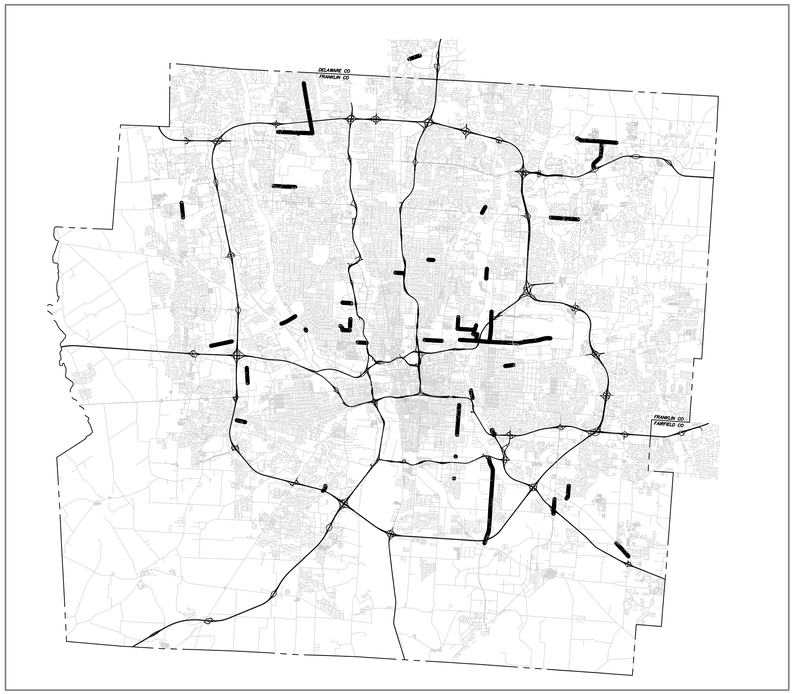
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LOCATION MAP

– PROJECT AREA

P.O.B. = LATITUDE: 40° 06' 54" N LONGITUDE: 82° 59' 34" W

SCALE IN MILES

0 1 2 3 6 12

Green = Completion Approval
Red = Waiting on AEP

Pole Attachments

Avery Rd - 92-94 - Completion Approval Received 10/18/2022
Smoky Row Rd - 106-108, 116 - Completion Approval Received 3/27/2024
Central College - 124-131
Oakland Park, Sunbury Rd - 140-142, 162-163 - Completion Approval Received 7/10/2023
Westerville Rd, Morse Rd - 158-159, 165-169
Fifth Ave - 172-187 - Completion Approval Received 1/5/2024
Fifth Ave - 198-200 - Completion Approval Received 3/24/2023
Nelson Ave, Woodland Ave - 207, 218
Cassady Ave - 209-214 - Completion Approval Received 10/23/2023
King Ave, Kenny Ave - 196, 267-268, 271-273 - Completion Approval Received 3/7/2023
Trabue Rd - 279-282 - Completion Approval Received 10/30/2023
Phillipi Rd - 294-296 - Completion Approval Received 3/27/2023
Gantz Rd - 298-299
Sullivant Ave - 307-308 - Completion Approval Received 2/17/2023
Fairwood Ave, Alum Creek Dr - 312-315, 342 - Completion Approval Received 10/31/2023
Williams Rd, Alum Creek Dr - 319, 324-331
Alum Creek Dr - 332-339
Noe-Bixby Rd, Winchester Pike - 348, 378

UNDERGROUND WORK PAGES

116-120, 129, 133-138, 144-146, 169-170, 198-199, 212-213, 233-225, 264-265, 269, 275-276, 284-287, 298, 301-305, 322-324, 341, 348-350, 352-356, 358-364, 366-370, 372-373

OTHER REVISIONS

125, 130, 295, 379-381

Matthew J. Graf
REGISTERED ENGINEER

7-7-2022
DATE

STATE OF OHIO
MATTHEW J. GRAF
E-73983
REGISTERED PROFESSIONAL ENGINEER

CITY OF COLUMBUS, OHIO
DEPARTMENT OF PUBLIC SERVICE
DIVISION OF DESIGN AND CONSTRUCTION

CITY OF COLUMBUS TRAFFIC SIGNAL SYSTEM (CTSS) PHASE F

FRA-COLUMBUS TRAFFIC SIGNAL SYSTEM-PHASE F

VOLUME 1 OF 3

STUDY AREA
SEE SHEET 2 OF 768

VOL. 1 – INTERCONNECT SHEETS 1 TO 226
VOL. 2 – INTERCONNECT SHEETS 227 TO 446
VOL. 3 – COMMUNICATIONS SHEETS 447 TO 768

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SPECIAL PROVISIONS
CITY OF COLUMBUS TRAFFIC SIGNAL SYSTEM PHASE F SPECIAL PROVISIONS

CITY OF COLUMBUS STANDARD CONSTRUCTION DRAWINGS				
1441 (07/01/21)	1500 (09/15/15)	1510 (09/15/15)	1511 (09/15/15)	1520 (09/15/15)
1530 (09/15/15)	1540 (09/15/15)	1550 (09/15/15)	2000 (03/30/18)	2020 (07/01/21)
2160 (12/31/18)	2161 (04/30/18)	2179 (07/01/21)	2201 (07/01/20)	2300 (07/01/21)
2303 (07/01/21)	2319 (07/01/20)	2331 (04/30/18)	4000 (08/10/17)	4001 (08/01/15)
4002 (05/01/14)	4020 (05/01/14)	4021 (07/01/20)	4022 (07/01/20)	4023 (07/01/20)
4110 (10/01/18)	4111 (08/10/17)	4122 (10/01/18)	4160 (10/01/18)	4162 (07/01/20)
4164 (10/01/20)	4170 (07/01/21)	4330 (08/10/17)	4331 (05/01/14)	4600 (07/01/20)
4601 (07/01/20)	4602 (07/01/20)	4603 (07/01/20)	4650 (07/01/20)	--------

ODOT STANDARD CONSTRUCTION DRAWINGS			
HL 30.11	(01/15/21)	MT 95.61	(04/19/19)
HL 30.21	(04/17/20)	MT 97.10	(04/19/19)
HL 30.22	(01/15/21)	MT 105.10	(01/17/20)
MT 95.30	(07/19/19)	TC 21.21	(07/16/21)
MT 95.31	(07/19/19)	TC 81.11	(07/16/21)
MT 95.32	(04/19/19)	TC 84.20	(10/18/13)
MT 95.50	(07/21/17)	TC 84.21	(10/18/13)
MT 95.60	(04/19/19)	ITS 14.11	(01/21/22)

ODOT SUPPLEMENTAL SPECIFICATIONS	
SS-800	(04/15/22)
SS-804	(04/15/22)
SS-809	(04/15/22)
SS-815	(04/16/21)
SS-904	(04/15/22)
SS-906	(10/15/10)

COLUMBUS SUPPLEMENTAL SPECIFICATIONS	
1551	(03/01/04)
1611	(02/01/13)
1620	(09/10/18)
1630	(11/13/09)

PROJECT DESCRIPTION

THE CTSS PHASE PROJECTS MIGRATE THE EXISTING COLUMBUS TRAFFIC SIGNAL SYSTEM TO AN OPEN ARCHITECTURE THAT WILL SERVE CENTRAL OHIO STAKEHOLDERS WITH REGIONAL SYSTEM CONNECTIVITY AND INTEROPERABILITY. PHASE F WILL UPGRADE SIGNAL AND COMMUNICATIONS INFRASTRUCTURE THAT WILL INTERCONNECT 213 SIGNALIZED INTERSECTIONS AND 6 PROPOSED COMMUNICATIONS NODE SITES WITH THE UPDATED CTSS CENTRAL SOFTWARE AND TRAFFIC MANAGEMENT CENTER.

EARTH DISTURBED AREA

TOTAL ESTIMATED DISTURBED AREA: 0.00 ACRES
PRE-CONSTRUCTION IMPERVIOUS AREA : IMPERVIOUS AREA UNCHANGED
POST-CONSTRUCTION IMPERVIOUS AREA: IMPERVIOUS AREA UNCHANGED

POST-CONSTRUCTIONS SCPS FOR STORM WATER QUANTITY AND QUALITY ARE NOT REQUIRED FOR THE SURFACE DISTURBANCE ON THIS PLAN. THIS PROJECT IS A LINEAR UTILITY IMPROVEMENT WHICH RESULTS IN NO ADDITIONAL IMPERVIOUS AREA AND DOES NOT MEET THE APPLICABILITY REQUIREMENTS OF THE STORM WATER DRAINAGE MANUAL (SWDM). NO FILL WILL BE ADDED IN THE 100-YEAR FLOODPLAIN.

2018 SPECIFICATIONS

THE CITY OF COLUMBUS CONSTRUCTION AND MATERIALS SPECIFICATIONS (CMSC), 2018 EDITION INCLUDING ALL REVISIONS AND SUPPLEMENTS IN EFFECT AT THE TIME OF SIGNATURE BY THE DIRECTOR OF PUBLIC SERVICE, SHALL GOVERN ALL CONSTRUCTION ITEMS THAT ARE A PART OF THIS PLAN UNLESS NOTED OTHERWISE.

Steven Wasosky — 8/4/2022
DESIGN SECTION ENGINEER, DIVISION OF DESIGN AND CONSTRUCTION — DATE

Patricia A. Austin per MG — 8/9/2022
ADMINISTRATOR, DIVISION OF POWER — DATE

RMV DH John Newsome — 8/8/2022
ADMINISTRATOR, DIVISION OF SEWERAGE AND DRAINAGE — DATE

TBH — 8/8/2022
ADMINISTRATOR, DIVISION OF WATER — DATE

kristen L. Atha by dMd — 8/10/2022
DIRECTOR, DEPARTMENT OF PUBLIC UTILITIES — DATE

Robert Comer — 8/9/2022
FIRE PREVENTION BUREAU, DIVISION OF FIRE — DATE

Brian Middley — 8/9/2022
ENGINEERING SUPERVISOR, DEPARTMENT OF TECHNOLOGY — DATE

Don E Evans for Bernita A Reese — 8/9/2022
DIRECTOR, DEPARTMENT OF RECREATION AND PARKS — DATE

James Young — 8/10/2022
CITY ENGINEER/ADMINISTRATOR, DIVISION OF DESIGN AND CONSTRUCTION — DATE

Jennifer Gallagher — 8/10/2022
DIRECTOR, DEPARTMENT OF PUBLIC SERVICE — DATE

REV NO	REVISION DESCRIPTION	SHEET(S)	INITIAL	DATE
3	Make-ready updates on one corridor, updates on four corridors to coordinate with	125, 158, 169-170A, 295, 350-364, 380-382, 463-464, 506, 506A, 567-569, 767, 722		
	other projects in design, communication changes on one corridor			
4	Updates to one node site, updates to two CCTV sites	261, 295, 409, 436-437, 738		
5	Change location of CCTV sites and revise communication network details for	125, 422-422A, 457, 472-473, 535-535B, 540, 550, 606, 609-611, 684-685A		
	several corridors			
6	Revise per project 3902-E and various communication network details	285-286, 457, 460, 535, 535B, 542, 549, 627, 629		
7	Revise per FCEO Trabue Rd signal project, DoT requests, and elimination of	298, 553, 560, 697		
	vlan distribution L2s at communication nodes.			
8	Separate CTSS/FCEO fiber networks, 5th Ave at 7th Ave aerial span	187-188, 475, 477-479, 608, 614-643, 646-647, 649-650, 723, 725		
9	Separate CTSS/FCEO fiber networks, Agler Rd and Gantz Rd signals	456, 463, 477, 481, 561, 659, 660, 739-740		
10	Separate CTSS/FCEO fiber networks, Trabue Rd signal	460, 481, 567-568, 657-658A, 743		
11	Relocation of CCTV at Morse/Cherry Bottom, DoT breakout at Alum Creek node,	165, 322, 391A-391C, 667A-667C, 680, 746-747, 747A-747E		
	corridor revision on SR-104			

800-362-2764 or 8-1-1
www.oups.org

3676-E

FEDERAL PROJECT NUMBER E150(399)

CIP: 540007-100060
PID NUMBER: 110521

TITLE SHEET
VOLUME 1 OF 3

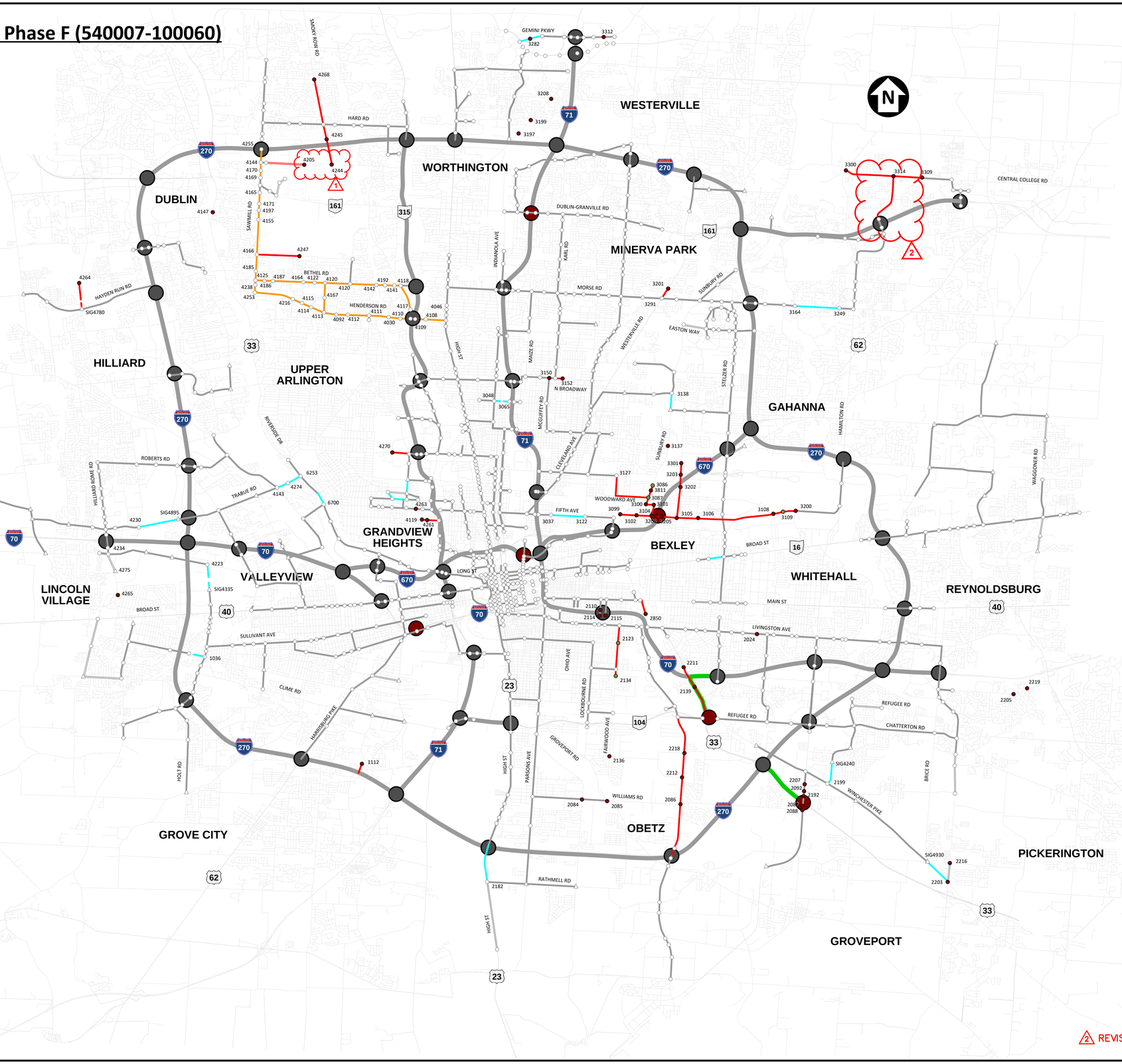
CITY OF COLUMBUS TRAFFIC SIGNAL SYSTEM (CTSS) PHASE F – FINAL SUBMITTAL

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Columbus Traffic Signal System Phase F (540007-100060)

Legend

- PROPOSED 144 SMF REDUNDANT LINK
- PROPOSED 288 SMF LINK
- CONNECTED VEHICLE ENVIRONMENT
- PROPOSED 144 SMF INTERCONNECT
- EXISTING CTSS – 144 SMF
- EXISTING CTSS – 288 SMF
- PHASE F INTERSECTION
- SLACK CABLE ONLY
- EXISTING CTSS – COLUMBUS SIGNAL
- EXISTING CTSS – FCEO SIGNAL
- WIRELESS LINK
- PHASE F NODE
- EXISTING NODE



REVISION 2.0

3676-E

NOT TO SCALE

CIP: 540007 - 100060
PID NUMBER: 110251

NODE OVERVIEW

CITY OF COLUMBUS TRAFFIC SIGNAL SYSTEM
(CTSS) PHASE F – FINAL SUBMITTAL

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EXISTING TRAFFIC SYMBOL LEGEND

- SIGNAL HEAD
- TR — EXISTING TRAFFIC CONDUIT
- EXISTING WOODEN UTILITY POLE
- EXISTING OVERHEAD SIGN
- EXISTING STRAIN POLE
- CB — EXISTING SIGNAL CONTROLLER
- PS — EXISTING POWER SUPPLY
- MAST ARM
- RAMP METER, EXISTING
- CONCRETE MEDIAN BARRIER WITHOUT MULTI-CELL CONDUIT
- CCTV — CCTV DEVICE, EXISTING
- BRACKET ARM, EXISTING
- OVERHEAD SIGN STRUCTURE, EXISTING
- DETECTOR LOOP, EXISTING
- DETECTOR STATION, EXISTING
- VDS CABINET, EXISTING
- EXISTING PULL BOXES (18", 24", 30", 36" SQUARE)
- EXISTING PULL BOX (30" x 48" RECTANGULAR DOUBLE DOOR)
- EXISTING PULL BOX (18", 725.06 RECTANGULAR; POLYCONCRETE)
- EXISTING PULL BOXES (27", 32", 48" ROUND)
- EXISTING JUNCTION BOX IN BARRIER WALL
- EXISTING ITS EQUIPMENT CABINET
- E — EXISTING 4' SQUARE VAULT
- EXISTING COMMUNICATION NODE
- EXISTING PEDESTRIAN SIGNAL/CROSSWALK PUSH BUTTON POLE
- PED — PEDESTRIAN CROSSWALK SIGNAL
- AMP — COAXIAL AMPLIFIER CABINET
- VD — EXISTING VIDEO TRAFFIC DETECTOR
- FO — EXISTING FIBER OPTIC CABLE
- TRANSMISSION TOWER
- T — GROUND MOUNTED TRANSFORMER

UTILITY LEGEND

- CATCH BASIN
- CURB INLET
- HYDRANT
- MANHOLE
- COMBINED MANHOLE
- ST — STORM MANHOLE
- SANITARY MANHOLE
- W — WATER VALVE
- ST — STORM SEWER
- S — SANITARY SEWER
- CS — COMBINED SEWER
- W — WATER
- E — E — UNDERGROUND ELECTRIC/POWER LINE
- G — G — G — GAS LINE AND VALVE
- P — PETROLEUM TRANSMISSION LINE
- CATV — UNDERGROUND CABLE TV
- CATV — CABLE TV PULL BOX

POWER, LIGHTING AND COMMUNICATIONS LEGEND

- LIGHTING CENTER
- L — LIGHTING CONDUIT
- T — TELECOMMUNICATIONS CONDUIT
- HIGH MAST LIGHTING TOWERS
- CM T — EXISTING TELECOMMUNICATIONS PULL BOX
- E — EXISTING ELECTRICAL PULL BOX
- LUMINARIES
- UTILITY POLE
- LIGHT POLE
- POWER/LIGHT POLE
- TELEPHONE/POWER POLE
- TELEPHONE POLE
- POWER POLE
- TRANSMISSION POWER POLE
- 1234 — STREET ADDRESS
- GUY WIRE
- GUY ANCHOR

LAND FEATURE LEGEND

- RAILROAD W/ CROSSBUCK FLASHERS AND BARRIER
- LAKES, RIVERS AND STREAMS
- HEADWALL
- UT — EXISTING UNDERGROUND TANKS
- NOISE WALL
- CABLE BARRIER
- GUARDRAIL
- FENCE
- CENTER LINE
- CORPORATION BOUNDARY
- LA RW — RIGHT OF WAY WITH LIMITED ACCESS
- RR R/W — RAILROAD RIGHT OF WAY / PROPERTY LINE
- R/W — RIGHT OF WAY LINE
- WS — WARRANTY DEED FOR SCENIC PURPOSES
- UTILITY EASEMENT
- SH — SH — STANDARD HIGHWAY RIGHT OF WAY EASEMENT
- EDGE OF PAVEMENT
- ROAD DASH STRIPING
- LANE STRIPING
- FLOODWAY FRINGE BOUNDARY
- FLOODWAY ZONE BOUNDARY
- FLAG POLE

ABBREVIATIONS

BTW – BETWEEN
CFN – COLUMBUS FIBERNET
CN – CITYNET (HYLAND)
COC – CITY OF COLUMBUS
CONT. – CONTROLLER
CTSS – COLUMBUS TRAFFIC SIGNAL SYSTEM
DOP – DIVISION OF POWER
DOW – DIVISION OF WATER
DOT – DEPARTMENT OF TECHNOLOGY
EA – EACH
EX – EXISTING
FOC – FIBER OPTIC CABLE
FO – FIBER OPTIC
FT – FEET
FV – FIELD VERIFIED
IC – INTERCONNECT
INT – INTERSECTION
ITS – INTELLIGENT TRANSPORTATION SYSTEM
OH – OVERHEAD
PB – PULL BOX
PR – PROPOSED
RSU – ROAD SIDE UNIT
RU – RACK UNIT
SMF – SINGLE MODE FIBER
STA. – STATION
TR or TRF – TRAFFIC
UG – UNDERGROUND
UNK – UNKNOWN
UT – UNDERGROUND TANKS
W/ – WITH

EXISTING UTILITY POLES

- AEP 1865463 760636 — AEP POLE WITH XY COORDINATES
- AT&T 1877088 758521 — AT&T POLE WITH XY COORDINATES
- DOP 760636 — DOP POLE WITH SIX DIGIT ID
- UNK NO ID FV — EXISTING POLE MISSING ID (FIELD VERIFIED)

CONNECTION TYPE

- PC — POLE CLAMP
- SO — STAND OFF
- NC — NO CONTACT

POLE TYPE

- SP — STRAIN POLE
- LP — LIGHT POLE
- MP — MISC. UTILITY POLE

3676-E

CIP: 540007-100060
PID NUMBER: 110521

EXISTING LEGEND & ABBREVIATIONS

CITY OF COLUMBUS TRAFFIC SIGNAL SYSTEM
(CTSS) PHASE F – FINAL SUBMITTAL

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PROPOSED ITS LINETYPES, EXISTING INFRASTRUCTURE

AEF 24 AEF 24 AEF 24	EXISTING AERIAL INTERCONNECT, PROPOSED 24 FIBER OVERLASHED TO EXISTING IC
AEF DROP 24 AEF DROP 24	EXISTING AERIAL INTERCONNECT, PROPOSED 24 FIBER DROP OVERLASHED TO EXISTING IC
AEF 144	EXISTING AERIAL INTERCONNECT, PROPOSED 144 FIBER OVERLASHED TO EXISTING IC
ARF 24 ARF 24 ARF 24	EXISTING AERIAL INTERCONNECT, REPLACE WITH 24 FIBER
ARF DROP 24 ARF DROP 24	EXISTING AERIAL INTERCONNECT, REPLACE WITH 24 FIBER DROP
ARF 144	EXISTING AERIAL INTERCONNECT, REPLACE WITH 144 FIBER
ARP ARP	EXISTING AERIAL POWER, REPLACE WITH PROPOSED POWER CABLE
UE5 UE5	EXISTING UNDERGROUND CONDUIT, PROPOSED CAT 5
UEF 24 UEF 24 UEF 24	EXISTING UNDERGROUND CONDUIT, PROPOSED 24 FIBER
UEF DROP 24 UEF DROP 24	EXISTING UNDERGROUND CONDUIT, PROPOSED 24 FIBER DROP
UEF DROP 72 UEF DROP 72	EXISTING UNDERGROUND CONDUIT, PROPOSED 72 FIBER DROP
UEF 144	EXISTING UNDERGROUND CONDUIT, PROPOSED 144 FIBER
UEF 288	EXISTING UNDERGROUND CONDUIT, PROPOSED 288 FIBER
URF 24 URF 24 URF 24	EXISTING UNDERGROUND CONDUIT, REPLACE EX IC WITH PROPOSED 24 FIBER
URF DROP 24 URF DROP 24	EXISTING UNDERGROUND CONDUIT, REPLACE EX IC WITH PROPOSED 24 FIBER DROP
URF 144	EXISTING UNDERGROUND CONDUIT, REPLACE EX IC WITH PROPOSED 144 FIBER
SEF 144	EXISTING STRUCTURAL CONDUIT, PROPOSED 144 FIBER
SRF 144	EXISTING STRUCTURAL CONDUIT, REPLACE EX IC WITH PROPOSED 144 FIBER
SEF 288	EXISTING STRUCTURAL CONDUIT, PROPOSED 288 FIBER
X X X X	EXISTING INTERCONNECT TO BE REMOVED
EX–IC	EXISTING INTERCONNECT

PROPOSED ITS LINETYPES, PROPOSED INFRASTRUCTURE

AP5 AP5	PROPOSED AERIAL CABLE, PROPOSED CAT 5
APC APC APC APC	PROPOSED AERIAL CABLE, PROPOSED CCTV COMPOSITE CABLE
APF 24 APF 24 APF 24	PROPOSED AERIAL INTERCONNECT, PROPOSED 24 FIBER
APF DROP 24 APF DROP 24	PROPOSED AERIAL INTERCONNECT, PROPOSED 24 FIBER DROP
APF 144	PROPOSED AERIAL INTERCONNECT, PROPOSED 144 FIBER
UPF 24 UPF 24 UPF 24	PROPOSED UNDERGROUND CONDUIT, PROPOSED 24 FIBER
UPF DROP 24 UPF DROP 24	PROPOSED UNDERGROUND CONDUIT, PROPOSED 24 FIBER DROP
UPF 144	PROPOSED UNDERGROUND CONDUIT, PROPOSED 144 FIBER
UPF 288	PROPOSED UNDERGROUND CONDUIT, PROPOSED 288 FIBER
UPP UPP	PROPOSED UNDERGROUND CONDUIT, PROPOSED UNDERGROUND POWER
UP5 UP5	PROPOSED UNDERGROUND CONDUIT, PROPOSED CAT 5
UPC UPC UPC UPC	PROPOSED UNDERGROUND CONDUIT, PROPOSED CCTV COMPOSITE CABLE
SPF 144	PROPOSED STRUCTURAL CONDUIT, PROPOSED 144 FIBER
SPF 288	PROPOSED STRUCTURAL CONDUIT, PROPOSED 288 FIBER
// // // // //	PROPOSED GUY WIRE
APP APP	PROPOSED AERIAL POWER

INTERCONNECT CALLOUTS

QUANTITIES INCLUDE ALL FIBER OPTIC CABLE AND ANY ASSOCIATED EQUIPMENT OR INFRASTRUCTURE REQUIRED TO INSTALL THE CABLE BETWEEN PROPOSED FIBER OPTIC SPLICE ENCLOSURES AT ADJACENT CONNECTED INTERSECTIONS. THE FIBER OPTIC SPLICE ENCLOSURE SERVES AS A DELINEATION POINT BETWEEN INTERCONNECT AND INTERSECTION QUANTITIES AND IS ITSELF TYPICALLY INCLUDED WITHIN THE INTERCONNECT QUANTITIES.

THE FOLLOWING ITEMS ARE QUANTIFIED WITHIN THE ASSOCIATED INTERCONNECT QUANTITY SHEET:

IC–# — FIBER OPTIC CABLE
INSTALLED IN EXISTING CONDUIT (CONDUIT CLEANED) OR NEW CONDUIT
- INSTALLED IN NEW CONDUIT
- INSTALLED ON NEW MESSENGER WIRE
- OVERLASHED TO EXISTING OVERHEAD INTERCONNECT
- REPLACING EXISTING OVERHEAD INTERCONNECT

SE %–# — FIBER OPTIC SPLICE ENCLOSURE
- % – DENOTES ENCLOSURE TYPE
- A: AERIAL, U: UNDERGROUND

SLK–% ###' — FIBER OPTIC CABLE SLACK
- % – DENOTES SLACK TYPE
- A: AERIAL, U: UNDERGROUND
- ###': LENGTH OF SLACK

R–# — REMOVE EXISTING EQUIPMENT

CN–# — COMMUNICATIONS NODE CABINET

TC–# — SIGNAL CONTROL CABINET
- 24 STRAND FIBER OPTIC TERMINATION PANEL
- LAYER 2 ETHERNET NETWORK SWITCH
- FIBER OPTIC–ETHERNET TRANSCEIVER
- ETHERNET–SERIAL DATA TERMINAL SERVER OR TRAFFIC SIGNAL CONTROLLER

EC–# — EQUIPMENT DATA/POWER CABLE

EC–# / IC–# — EQUIPMENT DATA/POWER CABLE AND FIBER OPTIC CABLE

IC–# / IC–# — FIBER OPTIC CABLE, TWO VARYING TYPES

WR–# — WIRELESS NETWORK RADIO

CTV–# — CCTV TRAFFIC SURVEILLANCE CAMERA

RSU–# — ROAD SIDE UNIT

CITY OF COLUMBUS UTILITY LEGEND

☒	SEWER	EXISTING SEWER LINES IN THE VICINITY OF PROPOSED UNDERGROUND WORK.
☒	WATER	EXISTING WATER LINES IN THE VICINITY OF PROPOSED UNDERGROUND WORK.
☒	POWER	EXISTING UNDERGROUND POWER LINES OR FACILITIES ARE WITHIN THE VICINITY OF PROPOSED UNDERGROUND WORK – OR – PROPOSED AERIAL INTERCONNECT CABLE IS TO BE INSTALLED IN THE VICINITY OF EXISTING OVERHEAD POWER LINES.
☒	LIGHTING	EXISTING UNDERGROUND LIGHTING LINES OR FACILITIES ARE WITHIN THE VICINITY OF PROPOSED UNDERGROUND WORK – OR – PROPOSED AERIAL INTERCONNECT CABLE IS TO BE INSTALLED IN THE VICINITY OF EXISTING OVERHEAD STREET LIGHTING LINES.
(#)		EXISTING UTILITY CROSSING. SEE UTILITY CROSSING INFO SHEET XX.
(S#)		EXISTING OVERHEAD SIGN CALLOUT

PROPOSED ITS SYMBOL LEGEND

⊗	PROPOSED WOODEN UTILITY POLE
S	PROPOSED STRAIN POLE
↓	PROPOSED GUY WIRE ANCHOR
CB	SIGNAL CONTROLLER REPLACED
■	CCTV DEVICE, PROPOSED
	PROPOSED WIRELESS ANTENNA
	PROPOSED ITS EQUIPMENT CABINET
	PROPOSED COMMUNICATION NODE
	PROPOSED MEDIAN JUNCTION BOX, 36"
	PROPOSED PULL BOXES (18" 725.06; POLYCONCRETE)
	PROPOSED PULL BOXES (18", 24" SQUARE)
	PROPOSED PULL BOXES (32", 48" ROUND)
	BORE PIT, 4'X8'
	RECEIVING PIT, 4'X4'
	ROAD SIDE UNIT
	PROPOSED 6' BRACKET
	PROPOSED BRACKET ARM
	TRENCH IN PAVEMENT, 1 1/2" PLANING AND 1 1/2" SURFACE COURSE
	CONDUIT RESTORATION
	SIDEWALK REPLACED

3676-E

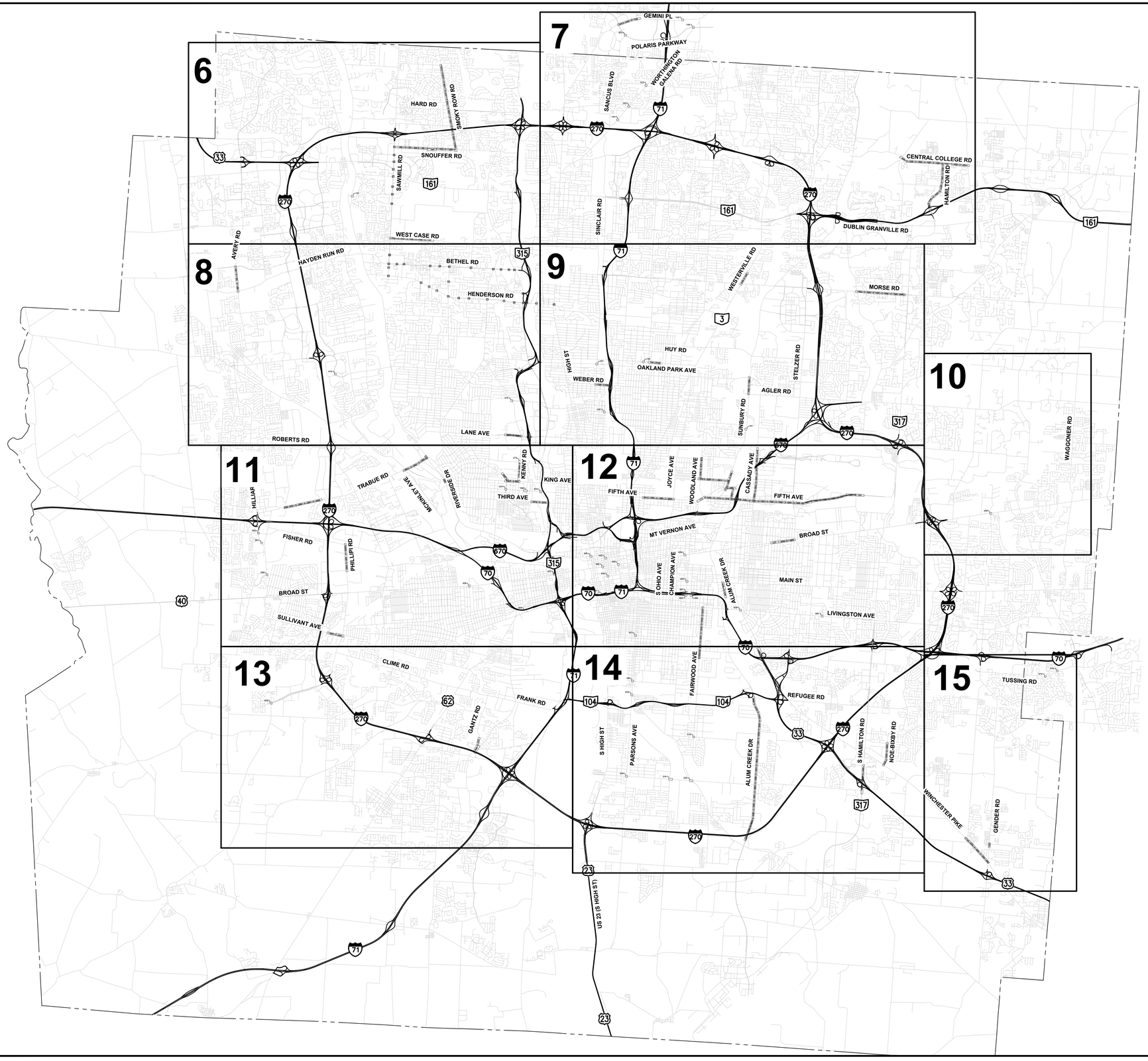
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PID NUMBER: 110521

PROPOSED LINETYPE AND SYMBOL LEGEND

CITY OF COLUMBUS TRAFFIC SIGNAL SYSTEM
(CTSS) PHASE F – FINAL SUBMITTAL

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HORIZONTAL SCALE IN FEET

CIP: 540007–100060
PID NUMBER: 110521

INTERCONNECT SHEET INDEX
OVERVIEW

CITY OF COLUMBUS TRAFFIC SIGNAL SYSTEM
(CTSS) PHASE F – FINAL SUBMITTAL

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768

J:\Jobs\70222 - CTSS Phase F\TECHPROD\Sheets\Index\CTSS_PhF_Overview_Index.dwg - INDEX OVERVIEW (VOL 1) layout - last saved by gburch 03/31/2022 10:07am ~ printed 06/01/2022 04:02pm PSLTS: 1 LTS: 1 CAS: 1" = 1'

MATCH LINE, SEE SHEET 7

MATCH LINE, SEE SHEET 8

3676-E

HORIZONTAL SCALE IN FEET
0 1500 3000

CIP: 540007-100060
PID NUMBER: 110521

INTERCONNECT SHEET INDEX
(1 OF 10)

CITY OF COLUMBUS TRAFFIC SIGNAL SYSTEM
(CTSS) PHASE F – FINAL SUBMITTAL

6
768

J:\Jobs\70202 - CTSS Phase F\TECHPROD\Sheets\Index\CTSS_PhF_Index01.dwg - INTERCONNECT INDEX-1 (VOL I) layout ~ last saved by: gburch 04/13/2022 10:13am ~ printed 06/01/2022 04:02pm PSLTS: 1 LTS: 1 CAS: 1" = 1'

0 2000 4000
HORIZONTAL SCALE IN FEET

CIP: 540007–100060
PID NUMBER: 110521

INTERCONNECT SHEET INDEX
(2 OF 10)

CITY OF COLUMBUS TRAFFIC SIGNAL SYSTEM
(CTSS) PHASE F – FINAL SUBMITTAL

7
768

3676-E

J:\Jobs\70202 – CTSS Phase F\TECHPROD\Sheets\Index\CTSS_PhF_Index01.dwg – INTERCONNECT INDEX–2 (VOL I) layout ~ last saved by: gburch 04/13/2022 10:13am ~ printed 06/01/2022 04:03pm PSLTS: 1 LTS: 1 CAS: 1" = 1'

MATCH LINE, SEE SHEET 6



MATCH LINE, SEE SHEET 11

3676-E

HORIZONTAL SCALE IN FEET
0 1500 3000

CIP: 540007-100060
PID NUMBER: 110521

INTERCONNECT SHEET INDEX
(3 OF 10)

CITY OF COLUMBUS TRAFFIC SIGNAL SYSTEM
(CTSS) PHASE F – FINAL SUBMITTAL

8
768

J:\Jobs\70202 – CTSS Phase F\TECHPROD\Sheets\Index\CTSS_PhF_Index01.dwg – INTERCONNECT INDEX-3 (VOL I) layout ~ last saved by: gburch 04/13/2022 10:13am ~ printed 06/01/2022 04:03pm PSLTS: 1 LTS: 1 CAS: 1" = 1'

MATCH LINE, SEE SHEET 7

MATCH LINE, SEE SHEET 8

MORSE RD
WESTERVILLE RD
CHERRY BOTTOM RD
HAMILTON RD
MORSE RD
82
GLENMONT AVE
N HIGH ST
INDIANOLA AVE
71
KARL RD
HUY RD
OAKLAND PARK AVE
NORTH BROADWAY
421
140
141
142
23
WEBER RD
155
156
HIAWATHA ST
MCGUFFEY RD
DRESDEN ST
420
HUDSON ST
SUNBURY RD
162
163
AGLER RD
STELZER RD
161
270
670
165
166
167
168
169
170

MATCH LINE, SEE SHEET 10

MATCH LINE, SEE SHEET 11

MATCH LINE, SEE SHEET 12

3676-E

CIP: 540007-100060
PID NUMBER: 110521

HORIZONTAL SCALE IN FEET
0
2000
4000

INTERCONNECT SHEET INDEX
(4 OF 10)

CITY OF COLUMBUS TRAFFIC SIGNAL SYSTEM
(CTSS) PHASE F – FINAL SUBMITTAL

9
768

J:\Jobs\70202 – CTSS Phase F\TECHPROD\Sheets\Index\CTSS_PhF_Index01.dwg – INTERCONNECT INDEX-4 (VOL I) layout – last saved by: gburch 04/13/2022 10:13am – printed 06/01/2022 04:03pm PSLTS: 1 LTS: 1 CAS: 1" = 1'

INTERCONNECT SHEET INDEX
(5 OF 10)

CITY OF COLUMBUS TRAFFIC SIGNAL SYSTEM
(CTSS) PHASE F – FINAL SUBMITTAL

CIP: 540007-100060
PID NUMBER: 110521

0 1500 3000
HORIZONTAL
SCALE IN FEET

10
768

3676-E

J:\Jobs\70202 - CTSS Phase F\TECHPROD\Sheets\Index\CTSS_PhF_Index01.dwg - INTERCONNECT INDEX-5 (VOL I) layout ~ last saved by: gburch 04/13/2022 10:13am ~ printed 06/01/2022 04:03pm PSLTS: 1 LTS: 1 CAS: 1" = 1'

MATCH LINE, SEE SHEET 8

MATCH LINE, SEE SHEET 9

MATCH LINE, SEE SHEET 12

MATCH LINE, SEE SHEET 13

INTERSTATE 270

INTERSTATE 70

INTERSTATE 670

INTERSTATE 71

US 315

TRABUE RD

RENNER RD

DUBLIN RD

RIVERSIDE DR

NORTHWEST BLVD

KING AVE

FIFTH AVE

THIRD AVE

KENNY RD

GRANDVIEW AVE

OLENTANGY RIVER RD

HILLIARD ROME RD

PHILLIPI RD

GEORGESVILLE RD

BROAD ST

SULLIVANT AVE

WHITETHORNE AVE

TOWN ST

MOUND ST

278 279 280 281 282 284 285 286 287 288 289 290 291 292 294 295 296 307 308 409 426 427 431 433 196 267 268 269 271 272 273 275 276

CIP: 540007-100060
PID NUMBER: 110521

INTERCONNECT SHEET INDEX
(6 OF 10)

CITY OF COLUMBUS TRAFFIC SIGNAL SYSTEM
(CTSS) PHASE F – FINAL SUBMITTAL

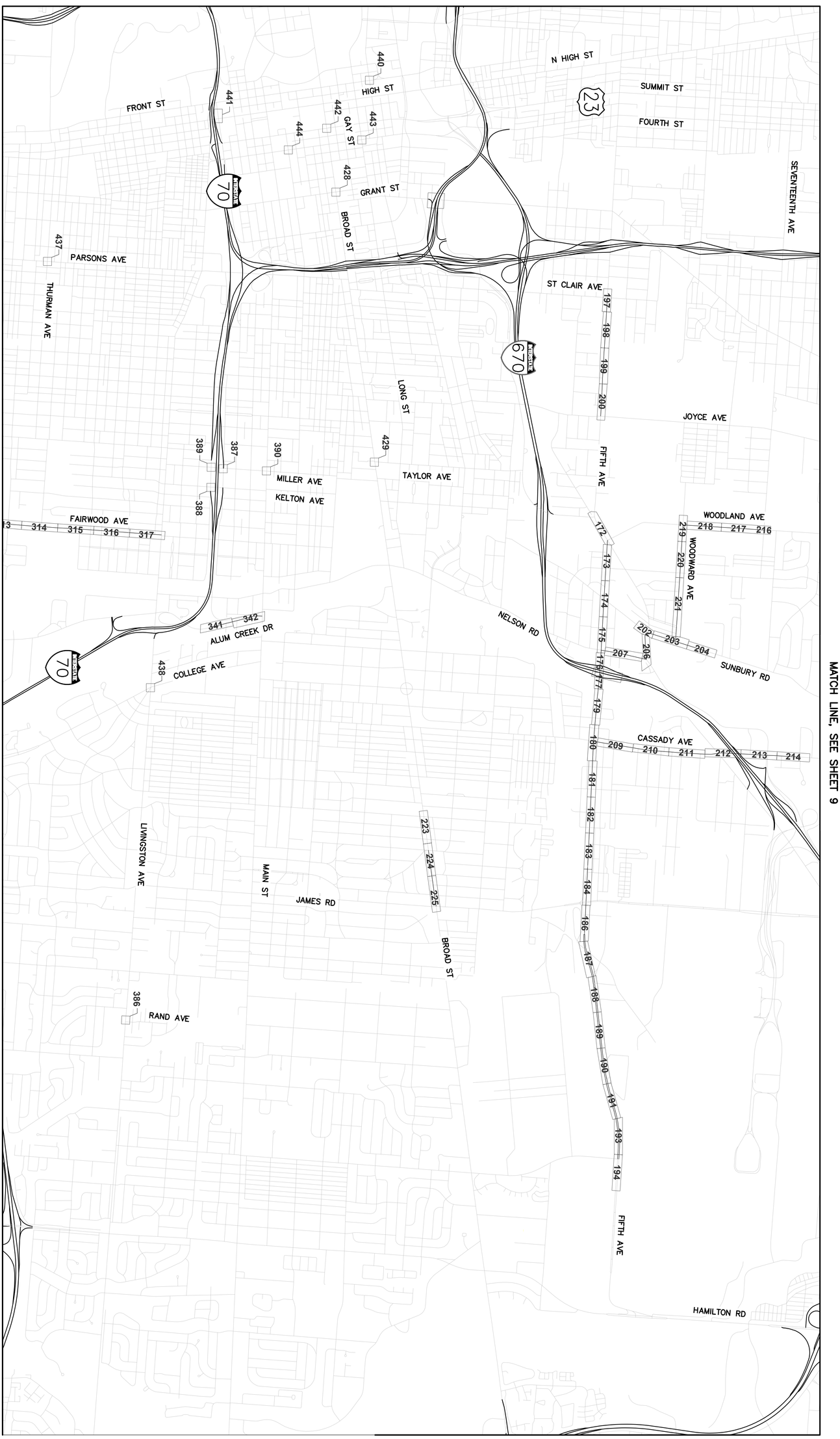
11
768

3676-E

J:\Jobs\70202 - CTSS Phase F\TECHPROD\Sheets\Index\CTSS_PhF_Index01.dwg - INTERCONNECT INDEX-6 (VOL I) layout ~ last saved by: gburch 04/13/2022 10:13am ~ printed 06/01/2022 04:03pm PSLTS: 1 LTS: 1 CAS: 1" = 1'

J:\Jobs\70202 - CTSS Phase F\TECHPROD\Sheets\Index\CTSS_PhF_Index01.dwg - INTERCONNECT INDEX-7 (VOL I) layout ~ last saved by: gburch 04/13/2022 10:13am ~ printed 06/01/2022 04:03pm PSLTS: 1 LTS: 1 CAS: 1" = 1'

MATCH LINE, SEE SHEET 11



MATCH LINE, SEE SHEET 14

MATCH LINE, SEE SHEET 9

MATCH LINE, SEE SHEET 10

3676-E

12 / 768	CITY OF COLUMBUS TRAFFIC SIGNAL SYSTEM (CTSS) PHASE F – FINAL SUBMITTAL	INTERCONNECT SHEET INDEX (7 OF 10)	CIP: 540007-100060 PID NUMBER: 110521	0 1500 3000 HORIZONTAL SCALE IN FEET

MATCH LINE, SEE SHEET 11

HALL RD
GEORGESVILLE RD
CLIME RD
NORTON RD
423
ALKIRE RD
424
HARRISBURG PIKE
BROWN RD
HARDY PKWY ST
FRANK RD
INTERSTATE 71
INTERSTATE 270
GANTZ RD
299
298
104

MATCH LINE, SEE SHEET 14

3676-E

HORIZONTAL SCALE IN FEET
0 1500 3000

CIP: 540007-100060
PID NUMBER: 110521

INTERCONNECT SHEET INDEX
(8 OF 10)

CITY OF COLUMBUS TRAFFIC SIGNAL SYSTEM
(CTSS) PHASE F – FINAL SUBMITTAL

13
768

J:\Jobs\70202 – CTSS Phase F\TECHPROD\Sheets\Index\CTSS_PhF_Index01.dwg – INTERCONNECT INDEX–8 (VOL I) layout ~ last saved by: gburch 04/13/2022 10:13am ~ printed 06/01/2022 04:03pm PSLTS: 1 LTS: 1 CAS: 1" = 1'

MATCH LINE, SEE SHEET 12

MATCH LINE, SEE SHEET 13

MATCH LINE, SEE SHEET 15

FAIRWOOD AVE
PARSONS AVE
GROVEPORT RD
LOCKBOURNE RD
WILLIAMS RD
ALUM CREEK DR
COLLEGE AVE
REFUGEE RD
HAMILTON RD
NOE-BIXBY RD
WINCHESTER PIKE

104
23
33
INTERSTATE 270

436
435
434
319
320
310

HORIZONTAL SCALE IN FEET
0 1500 3000

CIP: 540007-100060
PID NUMBER: 110521

INTERCONNECT SHEET INDEX
(9 OF 10)

CITY OF COLUMBUS TRAFFIC SIGNAL SYSTEM
(CTSS) PHASE F – FINAL SUBMITTAL

14
768

3676-E

J:\Jobs\70202 - CTSS Phase F\TECHPROD\Sheets\Index\CTSS_PhF_Index01.dwg - INTERCONNECT INDEX-9 (VOL I) layout ~ last saved by: gburch 04/13/2022 10:13am ~ printed 06/01/2022 04:03pm PSLTS: 1 LTS: 1 CAS: 1" = 1'

CITY OF COLUMBUS TRAFFIC SIGNAL SYSTEM
(CTSS) PHASE F – FINAL SUBMITTAL

INTERCONNECT SHEET INDEX
(10 OF 10)

CIP: 540007-100060
PID NUMBER: 110521

HORIZONTAL SCALE IN FEET
0 1500 3000

15
768

3676-E

J:\Jobs\70202 – CTSS Phase F\TECHPROD\Sheets\Index\CTSS_PhF_Index01.dwg – INTERCONNECT INDEX-10 (VOL I) layout ~ last saved by: gburch 04/13/2022 10:13am ~ printed 06/01/2022 04:03pm PSLTS: 1 LTS: 1 CAS: 1" = 1"

INT #	PLAN SHEET #	INTERSECTION NAME	CORRIDOR	STATION
0014	440	INT# 0014: FRONT ST. AT SPRING ST.	FRONT ST.	
0026	443	INT# 0026: FOURTH ST. AT LONG ST.	FOURTH ST.	
0041	442	INT# 0041: BROAD ST. AT THIRD ST.	BROAD ST.	
0045	428	INT# 0045: BROAD ST. AT GRANT AVE.	BROAD ST.	
0064	444	INT# 0064: FOURTH ST. AT TOWN ST.	FOURTH ST.	
0087	441	INT# 0087: FULTON ST. AT HIGH ST.	HIGH ST.	
1004	427	INT# 1004: BROAD ST. AT SR-315 SB OFF RAMP	BROAD ST.	
1033	307	INT# 1033: INDUSTRIAL MILE RD. AT SULLIVANT AVE.	SULLIVANT AVE.	STA. 110+00 TO 121+00
1036	308	INT# 1036: GEORGESVILLE RD. AT SULLIVANT AVE.	SULLIVANT AVE.	STA. 121+00 TO 131+00
1044	426	INT# 1044: BROAD ST. AT WHITETHORNE AVE.	BROAD ST.	
1089	423	INT# 1089: GEORGESVILLE RD. AT NORTON RD.	GEORGESVILLE RD.	
1090	424	INT# 1090: ALKIRE RD. AT HARRISBURG PIKE	ALKIRE RD.	
1112	299	INT# 1112: GANTZ RD. AT HARDY PKWY.	GANTZ RD.	STA. 98+00 TO 108+00
2015	317	INT# 2015: FAIRWOOD AVE. AT LIVINGSTON AVE.	FAIRWOOD AVE.	STA. 176+00 TO 187+00
2018	438	INT# 2018: COLLEGE AVE. AT LIVINGSTON AVE.	LIVINGSTON AVE.	
2024	386	INT# 2024: LIVINGSTON AVE. AT RAND AVE.	LIVINGSTON AVE.	
2037	390	INT# 2037: MAIN ST. AT MILLER AVE.	MAIN ST.	
2043	437	INT# 2043: PARSONS AVE. AT THURMAN AVE.	PARSONS AVE.	
2049	436	INT# 2049: BARTHMAN AVE. AT PARSONS AVE.	PARSONS AVE.	
2051	435	INT# 2051: GROVEPORT RD. AT PARSONS AVE.	PARSONS AVE.	
2083	434	INT# 2083: PARSONS AVE. AT WILLIAMS RD.	PARSONS AVE.	
2084	319	INT# 2084: LOCKBOURNE RD. AT WILLIAMS RD.	WILLIAMS RD.	
2085	320	INT# 2085: GROVEPORT RD. AT WILLIAMS RD.	WILLIAMS RD.	
2086	328	INT# 2086: ALUM CREEK DR. AT WILLIAMS RD.	ALUM CREEK DR.	STA. 251+00 TO 262+00
2087	344	INT# 2087: HAMILTON RD. AT US-33 EB RAMPS	HAMILTON RD.	STA. 93+00 TO 102+00
2088	344	INT# 2088: HAMILTON RD. AT WILLIAMS RD.	HAMILTON RD.	STA. 93+00 TO 102+00
2092	346	INT# 2092: HAMILTON RD. AT PROFESSIONAL PARKWAY & BLAKESTONE LN	HAMILTON RD.	STA. 115+00 TO 127+00
2104	342	INT# 2104: ALUM CREEK DR. AT MAIN ST.	ALUM CREEK DR.	STA. 514+00 TO 524+00
2111	387	INT# 2111: COLE ST. AT MILLER AVE.	MILLER AVE.	
2114	389	INT# 2114: MILLER AVE. AT MOOBERRY ST.	MILLER AVE.	
2115	388	INT# 2115: KELTON AVE. AT MOOBERRY ST.	KELTON AVE.	
2133	312	INT# 2133: FAIRWOOD AVE. AT FREBIS AVE.	FAIRWOOD AVE.	STA. 127+00 TO 133+00
2134	311	INT# 2134: FAIRWOOD AVE. AT MOLER RD.	FAIRWOOD AVE.	STA. 122+00 TO 127+00
2136	310	INT# 2136: FAIRWOOD AVE. AT WATKINS RD.	FAIRWOOD AVE.	
2139	360	INT# 2139: COLLEGE AVE. AT PETZINGER RD.	COLLEGE AVE.	STA. 74+00 TO 85+00
2182	301	INT# 2182: HIGH ST. AT RATHMELL RD.	HIGH ST.	STA. 219+00 TO 230+00
2192	345	INT# 2192: HAMILTON RD. AT US 33 WB RAMPS	HAMILTON RD.	STA. 106+00 TO 115+00
2199	348	INT# 2199: NOE BIXBY RD. AT WINCHESTER PIKE	NOE BIXBY RD.	STA. 0+00 TO 7+00
2203	382	INT# 2203: GENDER RD. AT WINCHESTER PIKE	WINCHESTER PIKE	STA. 349+00 TO 353+00
2204	339	INT# 2204: ALUM CREEK DR. AT PERFORMANCE WAY	ALUM CREEK DR.	STA. 361+00 TO 373+00
2205	375	INT# 2205: HINES RD. AT TUSSING RD.	TUSSING RD.	
2207	346	INT# 2207: HAMILTON RD. AT HAMILTON SQUARE	HAMILTON RD.	STA. 115+00 TO 127+00
2211	358	INT# 2211: COLLEGE AVE. AT SCHAAF DR.	COLLEGE AVE.	STA. 52+00 TO 63+00
2212	332	INT# 2212: ALUM CREEK DR. AT NEW WORLD RD.	ALUM CREEK DR.	STA. 284+00 TO 295+00
2216	384	INT# 2216: GENDER RD. AT LEHMAN RD.	GENDER RD.	STA. 135+00 TO 141+00
2218	335	INT# 2218: ALUM CREEK DR. AT WATKINS RD.	ALUM CREEK DR.	STA. 317+00 TO 328+00
2219	376	INT# 2219: HIGHLAND PARK DR. AT TUSSING RD.	TUSSING RD.	
2850	341	INT# 2850: ALUM CREEK DR. AT HANFORD VILLAGE PARK	ALUM CREEK DR.	STA. 504+00 TO 514+00
3006	429	INT# 3006: BROAD ST. AT TAYLOR AVE.	BROAD ST.	
3037	197	INT# 3037: FIFTH AVE. AT ST CLAIR AVE.	FIFTH AVE.	STA. 195+00 TO 202+00
3040	420	INT# 3040: FOURTH ST. AT HUDSON ST.	FOURTH ST.	
3047	421	INT# 3047: INDIANOLA AVE. AT NORTH BROADWAY	INDIANOLA AVE.	
3048	155	INT# 3048: INDIANOLA AVE. AT WEBER RD.	WEBER RD.	STA. 34+00 TO 45+00
3065	156	INT# 3065: SILVER DR. AT WEBER RD.	WEBER RD.	STA. 45+00 TO 53+00
3074	224	INT# 3074: BROAD ST. AT HARDING RD.	BROAD ST.	STA. 913+00 TO 923+00
3075	225	INT# 3075: BROAD ST. AT JAMES RD.	BROAD ST.	STA. 923+00 TO 934+00
3099	172	INT# 3099: FIFTH AVE. AT LEONARD AVE./ WOODLAND AVE.	FIFTH AVE.	STA. 263+00 TO 274+00
3100	202	INT# 3100: AIRPORT DR./LEONARD AVE. AT SUNBURY RD.	SUNBURY RD.	STA. 48+00 TO 54+00
3101	206	INT# 3101: AIRPORT DR. AT NELSON RD.	AIRPORT DR.	STA. 1+00 TO 10+50
3102	174	INT# 3102: FIFTH AVE. AT SUNBURY RD.	FIFTH AVE.	STA. 285+00 TO 296+00
3104	175	INT# 3104: FIFTH AVE. AT NELSON AVE.	FIFTH AVE.	STA. 296+00 TO 307+00
3105	180	INT# 3105: CASSADY AVE. AT FIFTH AVE.	FIFTH AVE.	STA. 329+00 TO 340+00
3106	182	INT# 3106: FIFTH AVE. AT RARIG AVE.	FIFTH AVE.	STA. 351+00 TO 362+00
3108	190	INT# 3108: COLUMBUS INTERNATIONAL AIRCENTER AT FIFTH AVE.	FIFTH AVE.	STA. 428+00 TO 439+00
3122	200	INT# 3122: FIFTH AVE. AT JOYCE AVE.	FIFTH AVE.	STA. 224+00 TO 235+00
3127	216	INT# 3127: SEVENTEENTH AVE. AT WOODLAND AVE.	WOODLAND AVE.	STA. 47+00 TO 51+00
3137	161	INT# 3137: MOCK RD. AT SUNBURY RD.	SUNBURY RD.	
3138	163	INT# 3138: AGLER RD./CASSADY AVE. AT SUNBURY RD.	SUNBURY RD.	STA. 183+00 TO 194+50
3150	140	INT# 3150: McGUFFEY RD. AT OAKLAND PARK RD.	OAKLAND PARK RD.	
3151	141	INT# 3151: KARL RD. AT OAKLAND PARK RD.	OAKLAND PARK RD.	STA. 106+00 TO 116+00
3152	142	INT# 3152: MEDINA AVE. AT OAKLAND PARK RD.	OAKLAND PARK RD.	STA. 116+00 TO 122+00
3164	165	INT# 3164: CHERRY BOTTOM RD. AT MORSE RD.	MORSE RD.	STA. 396+00 TO 407+00
3197	151	INT# 3197: DEARBORN DR. AT WORTHINGTON GALENA RD.	WORTHINGTON GALENA RD.	
3199	152	INT# 3199: WORTHINGTON GALENA RD. AT WORTHINGTON WOODS BLVD.	WORTHINGTON GALENA RD.	

INT #	PLAN SHEET #	INTERSECTION NAME	CORRIDOR	STATION
3200	194	INT# 3200: FIFTH AVE. AT YEARLING RD.	FIFTH AVE.	STA. 461+00 TO 472+00
3201	159	INT# 3201: THORNAPPLE RD. AT WESTERVILLE RD.	WESTERVILLE RD.	STA. 165+00 TO 174+00
3202	212	INT# 3202: CASSADY RD. AT JOHNSTOWN RD.	CASSADY RD.	STA. 43+00 TO 54+00
3203	213	INT# 3203: AIRPORT DR. AT CASSADY RD.	CASSADY RD.	STA. 54+00 TO 65+00
3205	176	INT# 3205: FIFTH AVE. AT I-670 WB	FIFTH AVE.	STA. 307+00 TO 313+00
3206	177	INT# 3206: FIFTH AVE. AT I-670 EB	FIFTH AVE.	STA. 313+00 TO 318+00
3208	153	INT# 3208: PARK RD. AT WORTHINGTON GALENA RD.	WORTHINGTON GALENA RD.	
3217	146	INT# 3217: GEMINI PL. AT SOLSTICE PKWY.	GEMINI PL.	STA. 117+00 TO 128+00
3232	422	INT# 3232: POLARIS PKWY. AT SANCUS BLVD.	POLARIS PKWY.	
3234	144	INT# 3234: GEMINI PL. AT POLARIS PKWY.	GEMINI PL.	STA. 12+00 TO 106+00
3249	170	INT# 3249: KOHL'S & STONERIDGE PL. AT MORSE RD.	MORSE RD.	STA. 451+00 TO 458+00
3267	430	INT# 3267: BRICE RD. AT BROAD ST.	BROAD ST.	
3282	145	INT# 3282: ANTARES AVE. AT GEMINI PL.	GEMINI PL.	STA. 106+00 TO 117+00
3291	158	INT# 3291: MORSE RD. AT WESTERVILLE RD.	WESTERVILLE RD.	STA. 156+00 TO 165+00
3292	135	INT# 3292: HAMILTON RD. AT HEATHLAND LN.	HAMILTON RD.	STA. 859+00 TO 870+00
3300	124	INT# 3300: CENTRAL COLLEGE RD. AT LEE RD. & ULRY RD.	CENTRAL COLLEGE RD.	STA. 63+00 TO 73+00
3301	214	INT# 3301: CASSADY RD. AT PLAZA PROPERTIES BLVD.	CASSADY RD.	STA. 65+00 TO 75+00
3307	136	INT# 3307: HAMILTON RD. AT WARNER RD.	HAMILTON RD.	STA. 870+00 TO 881+00
3308	149	INT# 3308: OLDE WORTHINGTON RD. AT POLARIS PARKWAY	POLARIS PARKWAY	
3309	131	INT# 3309: CENTRAL COLLEGE RD. AT HARLEM RD.	CENTRAL COLLEGE RD.	STA. 139+00 TO 150+50
3312	148	INT# 3312: FERMI DR. AT IKEA WAY	IKEA WAY	
3314	129	INT# 3314: CENTRAL COLLEGE RD. AT HAMILTON RD.	CENTRAL COLLEGE RD.	STA. 116+50 TO 128+00
3811	204	INT# 3811: OHIO DOMINICAN AT SUNBURY RD.	SUNBURY RD.	STA. 65+00 TO 74+00
4000	418	INT# 4000: ACKERMAN RD. AT KENNY RD.	ACKERMAN RD.	
4030	78	INT# 4030: HENDERSON RD. AT LAURALAND DR.	HENDERSON RD.	
4031	77	INT# 4031: HENDERSON RD. AT KNIGHTSBRIDGE BLVD & DESANTIS DR.	HENDERSON RD.	
4043	82	INT# 4043: HENDERSON RD. AT HIGH ST.	HENDERSON RD.	
4055	269	INT# 4055: CHAMBERS RD. AT NORTHWEST BLVD.	NORTHWEST BLVD.	STA. 30+75 TO 41+50
4079	276	INT# 4079: OLENTANGY RIVER RD. AT THIRD AVE.	THIRD AVE.	STA. 61+00 TO 72+00
4086	433	INT# 4086: FIFTH AVE. AT OLENTANGY RIVER RD.	FIFTH AVE.	
4089	431	INT# 4089: FIFTH AVE. AT NORTHWEST BLVD.	FIFTH AVE.	
4092	76	INT# 4092: HENDERSON RD. AT LARWELL DR.	HENDERSON RD.	
4097	268	INT# 4097: KENNY RD. AT KING AVE.	KING AVE.	STA. 60+00 TO 68+00
4098	267	INT# 4098: KING AVE. AT NORTHWEST BLVD.	KING AVE.	STA. 49+00 TO 60+00
4108	81	INT# 4108: HENDERSON RD. AT OLENTANGY BLVD.	HENDERSON RD.	
4109	81	INT# 4109: HENDERSON RD. AT SR-315 NB RAMPS	HENDERSON RD.	
4110	80	INT# 4110: HENDERSON RD. AT OLENTANGY RIVER RD.	HENDERSON RD.	
4111	77	INT# 4111: HENDERSON RD. AT KENNY RD.	HENDERSON RD.	
4112	76	INT# 4112: HENDERSON RD. AT WINTERSET DR.	HENDERSON RD.	
4113	74	INT# 4113: HENDERSON RD. AT REED RD.	HENDERSON RD.	
4114	73	INT# 4114: GETTYSBURG RD. & GREEN TREE CENTER DR. AT HENDERSON RD.	HENDERSON RD.	
4115	72	INT# 4115: DIERKER RD. AT HENDERSON RD.	HENDERSON RD.	
4117	80	INT# 4117: JASONWAY AVE. AT OLENTANGY RIVER RD.	HENDERSON RD.	
4118	90	INT# 4118: BETHEL RD. AT OLENTANGY RIVER RD.	BETHEL RD.	
4119	275	INT# 4119: EDGEHILL RD. AT THIRD AVE.	THIRD AVE.	STA. 50+00 TO 61+00
4120	87	INT# 4120: BETHEL RD. AT GODOWN RD.	BETHEL RD.	
4121	87	INT# 4121: BETHEL RD. AT REED RD.	BETHEL RD.	
4122	85	INT# 4122: BETHEL RD. AT MCKITRICK BLVD.	BETHEL RD.	
4125	62	INT# 4125: BETHEL RD. AT SAWMILL RD.	SAWMILL RD.	
4141	90	INT# 4141: BETHEL RD. AT OLENTANGY PLAZA & OLENTANGY SQ.	BETHEL RD.	
4142	88	INT# 4142: BETHEL RD. AT KENNY RD.	BETHEL RD.	
4143	284	INT# 4143: MCKINLEY AVE AT TRABUE RD.	TRABUE RD.	STA. 181+00 TO 192+00
4144	70	INT# 4144: SAWMILL RD. AT SNOUFFER	SAWMILL RD.	
4147	121	INT# 4147: RIVERSIDE DR. AT RIVERSIDE GREEN DR.	RIVERSIDE DR.	
4148	108	INT# 4148: HARD RD. AT SMOKY ROW RD.	SMOKY ROW RD.	STA. 1010+50 TO 1022+00
4155	64	INT# 4155: CRANSTON DR. AT SAWMILL RD.	SAWMILL RD.	
4158	265	INT# 4158: KENNY RD. AT LANE AVE.	LANE AVE.	STA. 45+00 TO 56+00
4164	85	INT# 4164: BETHEL RD. AT DIERKER RD.	BETHEL RD.	
4165	67	INT# 4165: MARTIN RD. AT SAWMILL RD.	SAWMILL RD.	
4166	116	INT# 4166: SAWMILL RD. AT W CASE RD.	W CASE RD.	STA. 1+00 TO 10+00
4167	74	INT# 4167: FRANCISCO RD. AT REED RD.	REED RD.	
4169	68	INT# 4169: BANKER DR. AT SAWMILL RD.	SAWMILL RD.	
4170	68	INT# 4170: FEDERATED BLVD. AT SAWMILL RD.	SAWMILL RD.	
4171	65	INT# 4171: MEIJER AT SAWMILL RD.	SAWMILL RD.	
4185	62	INT# 4185: RESLER RD. AT SAWMILL RD.	SAWMILL RD.	
4186	84	INT# 4186: BETHEL RD. AT CARRIAGE PLACE SHOPPING CENTER	BETHEL RD.	
4187	84	INT# 4187: BETHEL RD. AT PICKFORDE DR.	BETHEL RD.	
4192	88	INT# 4192: BETHEL RD. AT JASONWAY AVE.	BETHEL RD.	
4197	65	INT# 4197: KRIER DR. & TULLER PKWY. AT SAWMILL RD.	SAWMILL RD.	
4205	100	INT# 4205: BENT TREE BLVD. AT SNOUFFER RD.	SNOUFFER RD.	STA. 41+00 TO 53+00
4214	419	INT# 4214: FISHINGER BLVD. AT SPRING MILL DR.	FISHINGER BLVD.	
4216	72	INT# 4216: ARLINGTON CENTRE BLVD. AT HENDERSON RD.	HENDERSON RD.	
4220	96	INT# 4220: CAINE RD. AT SNOUFFER RD.	SNOUFFER RD.	STA. 3+00 TO 14+00
4223	296	INT# 4223: FISHER RD. AT PHILLIPI RD.	PHILLIPI RD.	STA. 48+00 TO 61+00

2 REVISION 2.0

3676-E

CIP: 540007-100060
PID NUMBER: 110521

INDEX LIST
FOR PLAN SHEETS SET 1 OF 2

CITY OF COLUMBUS TRAFFIC SIGNAL SYSTEM
(CTSS) PHASE F – FINAL SUBMITTAL

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\\colw00\PMWork\Jobs\70202 – CTSS Phase F\TECHPROD\Sheets\Index\CTSS_PhF_Index-List-placeholder.dwg – INDEX LIST 1 OF 2 (VOL I) layout – last saved by: nseling 12/22/2022 10:48am ~ printed 12/22/2022 10:48am PSLTS: 0 LTS: 30 CAS: 1" = 1"

INT #	PLAN SHEET #	INTERSECTION NAME	CORRIDOR	STATION
4230	278	INT# 4230: TRABUE RD. AT WALCUTT RD.	TRABUE RD.	STA. 26+00 TO 30+00
4234	292	INT# 4234: FISHER RD. AT HILLIARD-ROME RD.	HILLIARD-ROME RD.	
4238	61	INT# 4238: GIANT EAGLE AT SAWMILL RD.	SAWMILL RD.	
4244	104	INT# 4244: SMOKY ROW RD. AT SNOUFFER RD.	SMOKY ROW RD.	STA. 968+00 TO 978+00
4245	107	INT# 4245: BILLINGSLEY RD. AT SMOKY ROW RD.	SMOKY ROW RD.	STA. 999+00 TO 1010+50
4247	120	INT# 4247: DIERKER RD. AT W CASE RD.	W CASE RD.	STA. 43+00 TO 54+00
4253	61	INT# 4253: HENDERSON RD. AT SAWMILL RD.	SAWMILL RD.	
4255	70	INT# 4255: I-270 AT SAWMILL RD.	SAWMILL RD.	
4261	275	INT# 4261: THIRD AVE. AT YARD ST.	THIRD AVE.	STA. 50+00 TO 61+00
4263	196	INT# 4263: FIFTH AVE. AT HESS ST. & NORTON AVE.	FIFTH AVE.	
4264	94	INT# 4264: AVERY RD. AT RIGGINS RUN & HAYDEN RUN BLVD.	AVERY RD.	STA. 89+00 TO 100+00
4265	290	INT# 4265: GLENCHESTER DR. AT HILLIARD-ROME RD.	HILLIARD-ROME RD.	
4268	114	INT# 4268: SMOKY ROW RD. AT SUMMIT VIEW RD.	SMOKY ROW RD.	STA. 1066+00 TO 1077+00
4270	264	INT# 4270: CARMACK RD. AT LANE AVE.	LANE AVE.	STA. 34+00 TO 45+00
4275	291	INT# 4275: HILLIARD-ROME RD. AT MENARDS	HILLIARD-ROME RD.	
6253	287	INT# 6253: RIVERSIDE DR. AT TRABUE RD.	RIVERSIDE DR.	STA. 41+50 TO 46+00
SIG4015	162	INT# SIG4015: AGLER RD. AT SUNBURY RD.	SUNBURY RD.	STA. 172+00 TO 183+00
SIG4045	271	INT# SIG4045: CHAMBERS RD. AT KENNY RD.	KENNY RD.	STA. 12+00 TO 23+00
SIG4200	273	INT# SIG4200: KENNY RD. AT KINNEAR RD.	KENNY RD.	STA. 33+00 TO 37+00
SIG4240	350	INT# SIG4240: HARBOR BLVD. AT NOE BIXBY RD.	NOE BIXBY RD.	STA. 18+00 TO 29+00
SIG4335	294	INT# SIG4335: JANITROL RD. AT PHILLIPI RD.	PHILLIPI RD.	STA. 26+00 TO 37+00
SIG4780	92	INT# SIG4780: AVERY RD. AT HAYDEN RUN RD.	AVERY RD.	STA. 67+00 TO 78+00
SIG4895	282	INT# SIG4895: TRABUE RD. AT TRABUE WOODS BLVD.	TRABUE RD.	STA. 63+00 TO 74+00
SIG4930	378	INT# SIG4930: BRICE RD. AT WINCHESTER PIKE	WINCHESTER PIKE	STA. 310+00 TO 316+00

J:\Jobs\70202 - CTSS Phase F\TECHPROD\Sheets\Index\CTSS_PhF_Index-List-placeholder.dwg - INDEX LIST 2 OF 2 (VOL I) layout ~ last saved by: gburch 05/10/2022 10:06am ~ printed 06/01/2022 04:03pm PSLTS: 0 LTS: 30 CAS: 1" = 1"

CIP: 540007-100060
PID NUMBER: 110521

INDEX LIST
FOR PLAN SHEETS SET 2 OF 2

CITY OF COLUMBUS TRAFFIC SIGNAL SYSTEM
(CTSS) PHASE F – FINAL SUBMITTAL

3676-E

SHEET #	UTILITY CROSSING ID#	STATION	UTILITY TYPE/SIZE	TOP OF EXISTING UTILITY	EXISTING GROUND ELEVATION	BOTTOM OF PROPOSED ELEVATION	VERTICAL SEPARTION FEET	UTILITY REFERENCE PLAN OR OWNER
94	1	97+70, 53' LT	30" STORM	924.0 C	928.0 FG	925.0	1.0	CC6498
116	1	0+69, 23' LT	TELECOMS	-	891.4 SURV	888.4	-	AT&T
116	2	5+76, 20' LT	4" GAS	FV	895.5 SURV	892.5	-	COLUMBIA GAS
116	3	5+80, 18' LT	ELECTRIC	-	895.7 SURV	892.7	-	AT&T
116	4	5+81, 18' LT	TELECOMS	-	895.7 SURV	892.7	-	AEP
117	1	15+38, 15' LT	3" GAS	FV	902.1 SURV	899.1	-	COLUMBIA GAS
119	1	33+05, 14' LT	18" SANITARY	885.8 S	894.2 SURV	891.2	5.4	CC04925_007
119	2	33+39, 14' LT	48" STORM	893.6 LEVC	894.8 SURV	887.5 *(-)	-6.1	
119	3	33+95, 13' LT	FIBER OPTIC	FV	896.1 SURV	893.1	-	OSU
119	4	34+71, 13' LT	3" GAS	FV	896.3 SURV	893.3	-	COLUMBIA GAS
119	5	34+89, 13' LT	TELECOMS	-	896.3 SURV	893.3	-	AT&T
119	6	35+16, 13' LT	TELECOMS	-	896.4 SURV	893.4	-	AT&T
119	7	36+65, 13' LT	1" WATER	-	897.6 SURV	894.6	-	#204019
119	8	37+46, 13' LT	ELECTRIC	-	898.3 SURV	895.3	-	AEP
119	9	39+17, 14' LT	8" WATER	896.2 S	900.7 SURV	897.7	1.5	P1649_013
119	10	41+22, 13' LT	ELECTRIC	-	900.3 SURV	897.3	-	AEP
120	1	43+68, 13' LT	1" WATER	-	900.5 SURV	897.5	-	P-1649_013
129	1	118+12, 60' RT	30" SANITARY	953.0 C	978.1 SURV	975.1	22.1	RP18837
133	1	843+89, 91' LT	15" STORM	971.1 C	976.6 SURV	973.6	2.5	E01925
133	2	844+77, 92' LT	LIGHTING	-	976.4 SURV	973.4	-	
133	3	845+35, 85' LT	FIBER OPTIC	FV	974.9 SURV	971.9	-	L3 COMMUNICATIONS
133	4	847+85, 38' LT	12" STORM	973.8 C	975.3 SURV	971.2 *(-)	-2.6	E01806
134	1	852+06, 38' LT	12" STORM	973.2 C	976.1 SURV	974.2 *(+)	1.0	E01806
134	2	856+91, 38' LT	12" STORM	973.6 C	977.0 SURV	974.6 *(+)	1.0	E01806
134	3	858+62, 44' LT	15" SANITARY	956.1 C	978.3 SURV	975.3	19.1	RP09599
135	1	859+19, 34' LT	ELECTRIC	-	978.6 SURV	975.6	-	AEP
135	2	859+48, 29' LT	TRAFFIC	-	-	-	-	
135	3	859+63, 27' LT	4" GAS	-	-	-	-	COLUMBIA GAS
135	4	859+80, 25' LT	36" STORM	0.0 C	979.3 SURV	976.3	976.3	E01806
135	5	860+79, 24' LT	15" STORM	0.0 C	980.0 SURV	976.1 *(-)	976.1	E03361
135	6	860+94, 26' LT	15" STORM	-	-	-	-	E03361
135	7	860+97, 26' LT	ELECTRIC	-	980.2 SURV	977.2	-	AEP
135	8	861+40, 32' LT	6" WATER SERVICE	FV	979.5 SURV	976.5	-	WSP5432_002
135	9	861+81, 26' RT	LIGHTING	-	-	-	-	
135	10	863+40, 31' RT	1.5" WATER SERVICE	-	-	-	-	WSP5131_004
135	11	864+82, 31' RT	6" WATER	-	-	-	-	FRA_HAMILTON_RD_007
135	12	864+94, 32' RT	12" WATER	-	-	-	-	FRA_HAMILTON_RD_007
135	13	866+59, 32' RT	ELECTRIC	-	-	-	-	AEP
135	14	868+50, 30' RT	WATER SERVICE (UNK")	-	-	-	-	NO PLAN ID
135	15	868+52, 30' RT	WATER SERVICE (UNK")	-	-	-	-	NO PLAN ID
136	1	871+24, 33' RT	8" SANITARY	-	-	-	-	RP09599
136	2	871+79, 32' RT	21" STORM	-	-	-	-	E01806
136	3	873+89, 35' RT	6" WATER	-	-	-	-	FRA_HAMILTON_RD_007
136	4	874+31, 32' RT	LIGHTING	-	-	-	-	
136	5	875+57, 27' RT	4" GAS	-	-	-	-	COLUMBIA GAS
136	6	875+74, 28' RT	ELECTRIC	-	-	-	-	AEP
136	7	876+27, 31' RT	12" WATER	-	-	-	-	CTP0861_009
136	8	876+99, 32' RT	ELECTRIC	-	-	-	-	AEP
136	9	877+85, 29' RT	24" STORM	-	-	-	-	E01806
136	10	879+35, 28' RT	6" WATER	-	-	-	-	FRA_HAMILTON_RD_008
137	1	881+69, 33' RT	ELECTRIC	-	978.6 SURV	975.6	-	AEP
137	2	881+90, 33' RT	8" SANITARY	965.6 C	977.9 SURV	974.9	9.3	RP10793
137	3	889+59, 32' RT	ELECTRIC	-	968.7 SURV	965.7	-	AEP
137	4	891+68, 29' RT	36" STORM	967.0 LEVC	967.7 SURV	962.0 *(-)	-5.0	E01806
138	1	893+46, 32' RT	18" SANITARY	954.0 C	965.9 SURV	962.9	8.9	RP09600
138	2	893+91, 35' RT	12" STORM	964.8 C	965.4 SURV	962.2 *(-)	-2.6	E01806
138	3	894+08, 37' RT	24" STORM	-	-	-	-	E03431
138	4	897+07, 41' RT	ELECTRIC	-	969.1 SURV	966.1	-	AEP
138	5	898+04, 38' RT	8" WATER	FV	969.9 SURV	966.9	-	FRA-HAMILTON-RD_010
138	6	898+43, 41' RT	12" STORM	-	-	-	-	CC16463
138	7	898+68, 42' RT	30" STORM	968.0 C	969.9 SURV	963.6 *(-)	-4.4	E01806
138	8	900+21, 42' RT	ELECTRIC	-	971.2 SURV	968.2	-	AEP
138	9	901+70, 46' RT	12" STORM	970.9 C	973.2 SURV	968.3 *(-)	-2.6	E01806
138	10	901+77, 46' RT	ELECTRIC	-	973.3 SURV	970.3	-	AEP
138	11	902+98, 46' RT	2" WATER	-	975.6 SURV	972.6	-	FRA-HAMILTON-RD_010
144	1	12+68, 83' LT	LIGHTING	-	922.0 SURV	919.0	-	
144	2	12+80, 75' LT	LIGHTING	-	922.0 SURV	919.0	-	
144	3	13+25, 55' LT	TELECOMS	-	922.5 SURV	919.5	-	
144	4	100+07, 50' LT	FIBER OPTIC	PENDING	922.6 SURV	919.6	-	L3 COMMUNICATIONS
144	5	100+48, 42' LT	ELECTRIC	-	921.5 SURV	918.5	-	
144	6	100+63, 41' LT	LIGHTING	-	921.0 SURV	918.0	-	
144	7	100+87, 40' LT	12" WATER	909.1 S	920.6 SURV	917.6	8.5	WL1991-28_010
144	8	100+91, 40' LT	TRAFFIC	-	920.4 SURV	917.4	-	
144	9	100+99, 40' LT	15" SANITARY	901.7 C	920.2 SURV	917.2	15.5	RP07219
144	10	101+02, 40' LT	FIBER OPTIC	FV	920.2 SURV	917.2	-	COLUMBUS FIBERNET
144	11	101+14, 40' LT	4" GAS	FV	920.2 SURV	917.2	-	SUBURBAN NATURAL GAS

SHEET #	UTILITY CROSSING ID#	STATION	UTILITY TYPE/SIZE	TOP OF EXISTING UTILITY	EXISTING GROUND ELEVATION	BOTTOM OF PROPOSED ELEVATION	VERTICAL SEPARTION FEET	UTILITY REFERENCE PLAN OR OWNER
144	12	105+38, 35' LT	18" STORM	911.9 C	914.6 SURV	908.7 *(-)	-3.2	E01652
144	13	105+66, 35' LT	FIBER OPTIC	FV	914.6 SURV	911.6	-	
145	1	106+09, 35' LT	LIGHTING	-	915.0 SURV	912.0	-	
145	2	106+84, 32' LT	FIBER OPTIC	FV	915.2 SURV	909.0 *(-)	-	L3 COMMUNICATIONS
145	3	107+05, 32' LT	48" X 192" CULVERT	914.4 LEVC	915.2 SURV	905.9 *(-)	-8.5	E01652_019
145	4	107+35, 32' LT	TELECOMS	-	915.0 SURV	905.9 *(-)	-	
145	5	107+45, 32' LT	21" SANITARY	900.8 C	915.0 SURV	905.9 *(-)	5.1	CC07915
145	6	107+62, 32' LT	12" WATER	909.5 S	914.6 SURV	905.0 *(-)	-4.5	WL1991-28_010
145	7	108+55, 34' LT	LIGHTING	-	914.3 SURV	911.3	-	
145	8	108+83, 42' LT	ELECTRIC	-	914.4 SURV	911.4	-	
145	9	109+23, 45' LT	12" STORM	910.8 C	914.2 SURV	908.2 *(-)	-2.6	E02672
145	10	111+04, 45' LT	FIBER OPTIC	FV	914.7 SURV	911.7	-	
145	11	112+07, 43' LT	ELECTRIC	-	915.0 SURV	912.0	-	
145	12	113+09, 35' LT	LIGHTING	-	915.1 SURV	912.1	-	
145	13	113+17, 29' LT	18" STORM	912.9 C	914.9 SURV	909.7 *(-)	-3.2	E02264_011
145	14	113+59, 22' LT	6" WATER	910.0 S	915.1 SURV	912.1	2.1	WSP4389_001
145	15	115+45, 33' LT	LIGHTING	-	916.6 SURV	913.6	-	
145	16	115+62, 39' LT	FIBER OPTIC	-	917.0 SURV	914.0	-	L3 COMMUNICATIONS
145	17	115+70, 42' LT	6" GAS	FV	917.1 SURV	914.1	-	COLUMBIA GAS
145	18	116+17, 47' LT	LIGHTING	-	917.7 SURV	914.7	-	
146	1	118+60, 42' LT	FIBER OPTIC	FV	916.8 SURV	913.8	-	
146	2	119+07, 39' LT	12" STORM	914.1 C	916.4 SURV	911.5 *(-)	-2.6	E03400
146	3	119+25, 39' LT	6" WATER SERVICE	FV	916.3 SURV	913.3	-	WSP5840
146	4	120+20, 39' LT	6" WATER SERVICE	FV	915.2 SURV	912.2	-	WSP4393
146	5	121+87, 41' LT	FIBER OPTIC	FV	913.8 SURV	910.8	-	
146	6	122+77, 46' LT	FIBER OPTIC	FV	913.3 SURV	910.3	-	
146	7	122+84, 45' LT	ELECTRIC	-	913.2 SURV	910.2	-	AEP
146	8	122+84, 45' LT	ELECTRIC	-	913.2 SURV	910.2	-	AEP
163	1	192+32, 56' LT	42" WATER	798.6 S	804.8 FG	801.8	3.2	CTP0413_009
169	1	445+86, 36' LT	48" WATER	930.5 S	934.8 SURV	931.8	1.3	CTP0308
169	2	445+86, 34' LT	LIGHTING	-	934.8 SURV	931.8	-	
169	3	447+34, 9' LT	12" STORM	937.7 C	939.7 SURV	934.1 *(-)	-3.6	E01915
169	4	448+98, 10' LT	TELECOMS	-	945.5 SURV	942.5	-	AT&T
169	5	449+53, 10' LT	12" STORM	944.5 C	947.0 SURV	941.4 *(-)	-3.1	E01915
170	1	453+40, 16' LT	GAS	FV	949.7 SURV	946.7	-	COLUMBIA GAS
170	2	454+16, 35' LT	48" WATER	945.4 S	948.9 SURV	946.4 *(+)	1.0	CTP0541_016
170	3	454+17, 40' LT	TRAFFIC	-	948.7 SURV	945.7	-	
170	4	454+18, 42' LT	LIGHTING	-	948.6 SURV	945.6	-	
170	5	454+18, 46' LT	24" WATER	944.9 S	948.9 SURV	945.9 *(+)	1.0	CTP0461_004
170	6	454+20, 54' LT	TELECOMS	-	949.4 SURV	946.4	-	
170	7	454+20, 55' LT	20" WATER	FV	949.5 SURV	946.5	-	CTP0799
170	8	454+21, 63' LT	CABLE TV	-	950.1 SURV	947.1	-	
170	9	454+22, 67' LT	TELECOMS	-	950.5 SURV	947.5	-	
170	10	455+45, 55' RT	8" GAS	FV	946.4 SURV	943.4	-	
176	1	311+39, 49' RT	LIGHTING	-	776.0 FG	773.0	-	

FG: SURFACE ELEVATION DETERMINED BY FRANKLIN COUNTY GIS, ACCURACY OF ±0.5'
BG: ELEVATION BELOW GRADE
SURV: SURFACE ELEVATION DETERMINED BY SURVEY
LEVA: FIELD VERIFIED ELEVATION, LEVEL A SUE
LEVB: FIELD VERIFIED ELEVATION, LEVEL B SUE
LEVC: FIELD VERIFIED ELEVATION, LEVEL C SUE
S: ELEVATION SCALED FROM PLANS
C: ELEVATION CALCULATED USING INVERT FROM COC DEPT OF PUBLIC WORKS GIS DATABASE
UND: ELEVATIONS COULD NOT BE DETERMINED FROM RECORD PLANS AND WILL BE SHOWN AFTER THE FIELD SUE INVESTIGATION
–: VARYING ELEVATIONS. DEPTHS ARE UNKNOWN
*(+): PROPOSED CONDUIT HAS BEEN ADJUSTED ABOVE THE TOP OF EXISTING UTILITY TO MEET MINIMUM VERTICAL CLEARANCE REQUIREMENT OF 1.0'
*(–): PROPOSED CONDUIT HAS BEEN ADJUSTED BELOW THE BOTTOM OF EXISTING UTILITY TO MEET MINIMUM VERTICAL CLEARANCE REQUIREMENT OF 1.0'
FV: ACTUAL ELEVATION NOT IDENTIFIED DURING DESIGN. CONTRACTOR TO VERIFY DURING CONSTRUCTION.

IF THE VERTICAL SEPARATION IS LESS THAN ONE FOOT (1') OR IF THE ELEVATION IS NOT SHOWN OR IS LISTED AS UND, THE CONTRACTOR SHALL EXPOSE THE EXISTING UTILITY AND ADJUST THE PROPOSED CONDUIT DEPTH TO 18"–60" TO MEET VERTICAL CLEARANCE REQUIREMENTS BY DIRECTION OF THE CITY OF COLUMBUS REPRESENTATIVE.

2 REVISION 2.0

3676-E

CIP: 540007–100060
PID NUMBER: 110521

UTILITY CROSSING INDEX
1 OF 3

CITY OF COLUMBUS TRAFFIC SIGNAL SYSTEM
(CTSS) PHASE F – FINAL SUBMITTAL

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SHEET #	UTILITY CROSSING ID#	STATION	UTILITY TYPE/SIZE	TOP OF EXISTING UTILITY	EXISTING GROUND ELEVATION	BOTTOM OF PROPOSED ELEVATION	VERTICAL SEPARTION FEET	UTILITY REFERENCE PLAN OR OWNER
177	1	313+78, 43' RT	LIGHTING	-	778.0 FG	775.0	-	
184	1	382+25, 44' RT	21" STORM	788.4 C	800.7 FG	797.7	9.3	C00227
194	1	462+84, 46' LT	12" SANITARY	793.3 C	803.7 FG	800.7	7.4	RP01213
198	1	211+38, 32' LT	LIGHTING	-	820.2 FG	817.2	-	
198	2	211+42, 17' LT	15" STORM	817.5 C	820.0 FG	818.5 *(+)	1.0	CC00762_003
198	3	211+89, 5' LT	16" STORM (ABAN)	-	818.3 FG	815.3	-	CC00762_003
198	4	212+64, 5' LT	12" STORM	813.1 C	818.0 FG	815.0	1.9	CC00762_003
198	5	212+66, 5' LT	15" STORM	813.3 C	818.0 FG	815.0	1.7	CC00762_003
199	1	213+84, 7' LT	12" STORM	813.2 C	819.9 FG	816.9	3.7	CC00762_003
199	2	214+47, 34' LT	LIGHTING	-	823.0 FG	820.0	-	
199	3	216+11, 47' LT	27" STORM	830.7 C	834.6 FG	831.6	1.0	CC00762_003
199	4	216+12, 51' LT	16" WATER	831.0 S	835.9 FG	832.9	1.9	CTP0056_037
212	1	47+70, 42' LT	15" STORM	FV	814.0 FG	811.0	-	CC16860
212	2	48+76, 42' LT	12" WATER	810.8 S	814.0 FG	811.8	1.0	CTP0621_002
224	1	915+44, 43' LT	FIBER OPTIC	-	795.8 SURV	792.8	-	
224	2	915+49, 45' LT	LIGHTING	-	795.8 SURV	792.8	-	
224	3	915+58, 43' LT	LIGHTING	-	795.9 SURV	792.9	-	
224	4	915+57, 41' LT	FIBER OPTIC	-	795.8 SURV	792.8	-	
224	5	915+55, 33' LT	TELECOMS	-	795.8 SURV	792.8	-	
224	6	915+57, 27' RT	LIGHTING	-	796.1 SURV	793.1	-	
224	7	915+57, 33' RT	TRAFFIC	-	796.1 SURV	793.1	-	
224	8	916+03, 47' RT	LIGHTING	-	795.8 SURV	792.8	-	
224	9	919+14, 49' RT	12" STORM	791.4 C	794.7 SURV	791.7	0.3	CC15985
224	10	919+87, 49' RT	12" STORM	790.9 C	794.3 SURV	791.3	0.4	CC15985
225	1	924+18, 51' RT	12" STORM	788.4 C	792.3 SURV	789.4 *(+)	1.0	CC15985
225	2	928+62, 52' RT	12" STORM	786.4 C	790.1 SURV	787.4 *(+)	1.0	CC15985
225	3	928+79, 52' RT	8" WATER	FV	790.0 SURV	787.0	-	CYP0044_001
225	4	929+04, 53' RT	FIBER OPTIC	FV	790.0 SURV	787.0	-	
225	5	929+55, 54' RT	0.75" WATER SERVICE	-	790.4 SURV	787.4	-	#160182
264	1	36+04, 43' LT	FIBER OPTIC	789.3 S	793.9 FG	790.9	1.6	E03381_029
264	2	36+08, 44' LT	TELECOMS	786.2 S	793.7 FG	790.7	4.5	E03381_029
264	3	36+39, 42' LT	ELECTRIC	782.2 S	792.0 FG	789.0	6.9	E03381_029
264	4	36+66, 42' LT	12" WATER	780.5 S	792.0 FG	789.0	8.5	E03381_029
264	5	37+19, 41' LT	12" WATER	786.5 S	791.7 FG	788.7	2.2	E03381_029
264	6	37+29, 41' LT	TELECOMS	786.7 S	791.5 FG	788.5	1.8	E03381_029
264	7	39+36, 39' LT	12" STORM	780.1 S	786.0 FG	783.0	2.9	E03381_029
264	8	42+33, 38' LT	WATER SERVICE	776.2 S	779.6 FG	777.2 *(+)	1.0	E03381_030
265	1	45+27, 38' LT	2" WATER	768.8 S	773.0 FG	770.0	1.2	E03381_030
265	2	49+59, 37' LT	ELECTRIC	760.5 S	764.0 FG	761.5 *(+)	1.0	E03381_031
265	3	52+15, 49' LT	TELECOMS	758.5 S	760.4 SURV	757.4	-1.1	E03381_032
265	4	53+26, 54' LT	12" WATER	754.6 S	759.5 SURV	756.5	1.9	E03381_032
265	5	53+53, 57' LT	12" STORM	FV	759.4 SURV	756.4	-	E03381_032
267	1	51+63, 105' LT	GAS	FV	785.0 SURV	782.0	-	COLUMBIA GAS
267	2	51+70, 24' LT	4" GAS	FV	783.9 SURV	780.9	-	COLUMBIA GAS
267	3	51+79, 0' RT	30" STORM	777.9 C	783.4 SURV	780.4	2.5	RP00836
267	4	51+82, 7' RT	LIGHTING	-	783.3 SURV	780.3	-	
267	5	51+85, 10' RT	8" WATER	FV	783.2 SURV	780.2	-	K_1_104
267	6	51+86, 12' RT	18" STORM	778.1 C	783.1 SURV	780.1	2.0	RP00836
267	7	51+95, 22' RT	8" SANITARY	774.2 LEVC	783.0 SURV	780.0	5.8	RP00827
269	1	31+12, 20' RT	0.75" WATER SERVICE	-	785.9 SURV	782.9	-	#161118
269	2	31+23, 19' RT	8" WATER	FV	786.0 SURV	783.0	-	N_1_146
269	3	31+37, 18' RT	4" GAS	FV	785.9 SURV	782.9	-	COLUMBIA GAS
269	4	31+50, 17' RT	12" SANITARY	774.7 C	785.9 SURV	782.9	8.2	RP20103
269	5	31+56, 17' RT	GAS SERVICE	FV	785.7 SURV	782.7	-	COLUMBIA GAS
269	6	31+80, 17' RT	0.75" WATER SERVICE	-	785.3 SURV	782.3	-	#72379
269	7	32+05, 18' RT	0.75" WATER SERVICE	-	785.0 SURV	782.0	-	
269	8	32+24, 9' RT	10" SANITARY	775.5 LEVC	784.7 SURV	781.7	6.2	C221
269	9	32+25, 23' LT	LIGHTING	-	784.6 SURV	781.6	-	
269	10	32+26, 25' LT	1.5" WATER	-	784.6 SURV	781.6	-	12-233
269	11	32+26, 33' LT	4" GAS	FV	785.0 SURV	782.0	-	COLUMBIA GAS
269	12	32+61, 45' LT	GAS SERVICE	FV	785.1 SURV	782.1	-	COLUMBIA GAS
269	13	32+93, 44' LT	0.75" WATER SERVICE	-	784.9 SURV	781.9	-	#732801
269	14	33+51, 37' LT	1.5" WATER	-	783.6 SURV	780.6	-	12-233_004
269	15	33+69, 37' LT	8" STORM	779.6 C	783.0 SURV	780.6 *(+)	1.0	MSIUS 71-12
269	16	33+76, 37' LT	8" WATER	FV	783.0 SURV	780.0	-	12-233_004
269	17	34+07, 36' LT	8" SANITARY	783.8 LEVC	783.1 SURV	780.1	-3.7	MSIUS071-12
269	18	34+07, 36' LT	4" GAS	FV	783.1 SURV	780.1	-	COLUMBIA GAS
269	19	34+08, 36' LT	LIGHTING	-	783.0 SURV	780.0	-	
269	20	34+31, 36' LT	GAS	FV	783.3 SURV	780.3	-	COLUMBIA GAS
269	21	34+79, 37' LT	1" WATER SERVICE	-	784.2 SURV	781.2	-	#72765
269	22	35+27, 38' LT	1" WATER SERVICE	-	784.6 SURV	781.6	-	#72766
269	23	35+38, 38' LT	GAS SERVICE	FV	784.8 SURV	781.8	-	COLUMBIA GAS
269	24	35+40, 38' LT	GAS SERVICE	FV	784.9 SURV	781.9	-	COLUMBIA GAS
269	25	35+57, 38' LT	1" WATER SERVICE	-	785.3 SURV	782.3	-	#72767
269	26	35+92, 36' LT	GAS SERVICE	FV	786.0 SURV	783.0	-	COLUMBIA GAS
269	27	36+37, 35' LT	WATER SERVICE	-	786.9 SURV	783.9	-	

SHEET #	UTILITY CROSSING ID#	STATION	UTILITY TYPE/SIZE	TOP OF EXISTING UTILITY	EXISTING GROUND ELEVATION	BOTTOM OF PROPOSED ELEVATION	VERTICAL SEPARTION FEET	UTILITY REFERENCE PLAN OR OWNER
269	28	36+64, 34' LT	0.75" WATER SERVICE	-	787.2 SURV	784.2	-	
269	29	36+77, 34' LT	8" SANITARY	778.7 LEVC	787.3 SURV	784.3	5.6	C560
269	30	37+28, 34' LT	WATER SERVICE	-	788.0 SURV	785.0	-	
269	31	38+01, 37' LT	LIGHTING	-	788.7 SURV	785.7	-	
269	32	38+03, 38' LT	WATER SERVICE	-	788.7 SURV	785.7	-	
269	33	38+04, 38' LT	WATER SERVICE	-	788.7 SURV	785.7	-	
269	34	38+13, 38' LT	0.75" WATER SERVICE	-	788.8 SURV	785.8	-	#84007
269	35	38+71, 38' LT	4" GAS	FV	789.6 SURV	786.6	-	COLUMBIA GAS
280	1	44+36, 34' LT	18" STORM	901.9 C	906.6 FG	903.6	1.7	E03380
280	2	50+55, 22' LT	15" SANITARY	882.5 C	924.2 FG	921.2	38.7	CC01370
281	1	58+90, 28' LT	24" STORM	896.6 C	903.9 FG	900.9	4.3	E03380
282	1	64+60, 21' LT	16" WATER	885.0 S	890.3 FG	887.3	2.3	CTP0446_007
285	1	200+05, 36' RT	LIGHTING	-	768.0 FG	765.0	-	
285	2	200+12, 33' LT	LIGHTING	-	767.5 FG	764.5	-	
285	3	200+38, 31' LT	12" STORM	-	766.4 FG	763.4	-	CC08615_003
285	4	200+51, 24' LT	LIGHTING	-	766.4 FG	763.4	-	
286	1	205+15, 26' LT	LIGHTING	-	762.0 FG	759.0	-	
286	2	207+94, 28' LT	LIGHTING	-	760.9 FG	757.9	-	
286	3	209+96, 32' LT	LIGHTING	-	760.0 FG	757.0	-	
286	4	211+06, 38' LT	TELECOMS	-	760.0 FG	757.0	-	
286	5	211+07, 38' LT	LIGHTING	-	760.0 FG	757.0	-	
286	6	212+17, 45' RT	2" GAS	FV	760.1 FG	757.1	-	COLUMBIA GAS
286	7	212+19, 47' RT	12" STORM	FV	760.2 FG	757.2	-	CC07539
286	8	212+41, 50' RT	LIGHTING	-	760.8 FG	757.8	-	
286	9	212+52, 47' RT	8" WATER	754.1 S	761.1 FG	758.1	4.0	WL1995-62_5A
286	10	212+84, 41' RT	2" GAS	FV	761.7 FG	758.7	-	COLUMBIA GAS
286	11	212+84, 41' RT	12" STORM	FV	761.7 FG	758.7	-	CC07539
287	1	213+63, 38' RT	2" GAS	FV	763.2 FG	760.2	-	COLUMBIA GAS
287	2	214+20, 43' RT	2" GAS	FV	764.0 FG	761.0	-	COLUMBIA GAS
305	1	266+29, 75' LT	12" WATER	689.5 S	694.0 FG	691.0	1.5	CTP0600_013
305	2	266+29, 76' LT	LIGHTING	-	694.0 FG	691.0	-	
324	1	208+13, 73' RT	24" STORM	738.0 C	743.2 FG	740.2	2.2	E01831
324	2	213+43, 55' RT	6" STORM	742.4 C	746.0 FG	743.4 *(+)	1.0	E01831
324	3	215+77, 64' RT	12" SANITARY	FV	748.0 FG	745.0	-	E01831
324	4	216+08, 73' RT	27" STORM	741.9 C	748.0 FG	745.0	3.1	E01831
324	5	216+10, 84' RT	8" WATER	FV	748.3 FG	745.3	-	E01831
328	1	260+67, 46' LT	LIGHTING	-	758.5 FG	755.5	-	
328	2	260+68, 33' LT	30" WATER	753.7 S	758.3 FG	755.3	1.6	01-164_333
328	3	260+68, 19' LT	18" SANITARY	736.8 C	758.2 FG	755.2	18.4	CC18092
328	4	260+80, 45' RT	LIGHTING	-	756.0 FG	753.0	-	
341	1	509+02, 34' RT	8" SANITARY	734.5 C	752.0 FG	749.0	14.5	FRA-40-14.55
341	2	510+17, 35' RT	1" WATER	-	752.0 FG	749.0	-	#266414
348	1	5+18, 35' RT	6" GAS	FV	750.0 FG	747.0	-	
349	1	10+03, 28' RT	GAS	FV	750.7 FG	747.7	-	
349	2	14+44, 28' RT	GAS SERVICE	FV	750.0 FG	747.0	-	
349	3	16+ 42, 27' RT	GAS SERVICE	FV	748.0 FG	745.0	-	
349	4	17+76, 30' RT	GAS SERVICE	FV	748.0 FG	745.0	-	
350	1	19+92, 30' RT	GAS SERVICE	FV	748.0 FG	745.0	-	
350	2	21+50, 30 RT	GAS SERVICE	FV	749.5 FG	746.5	-	
350	3	22+95, 29' RT	2" GAS	FV	750.7 FG	747.7	-	
350	4	23+76, 28' RT	GAS SERVICE	FV	752.0 FG	749.0	-	
350	5	26+42, 24' RT	GAS SERVICE	FV	751.7 FG	748.7	-	
358	1	54+29, 63' RT	LIGHTING	-	762.0 FG	759.0	-	
358	2	54+44, 31' RT	ELECTRIC	-	762.0 FG	759.0	-	DPU
358	3	56+09, 7' LT	18" STORM	FV	759.3 FG	756.3	-	D04237
358	4	60+85, 30' LT	66" STORM	FV	754.0 FG	751.0	-	D04237
359	1	63+02, 29' LT	12" STORM	FV	752.6 FG	749.6	-	ATLAS
359	2	63+90, 176' LT	LIGHTING	-	759.2 FG	756.2	-	
359	3	65+05, 187' LT	LIGHTING	-	772.6 FG	769.6	-	
359	4	67+96, 27' LT	72" STORM	753.6 S	756.0 FG	754.6 *(+)	1.0	FRA-40-17.26_310
359	5	70+22, 30' LT	8" STORM	FV	757.6 FG	754.6	-	CC01581
359	6	72+26, 28' LT	12" WATER	752.4 S	758.0 FG	755.0	2.6	CTP0298_007
359	7	72+31, 28' LT	LIGHTING	-	758.0 FG	755.0	-	
360	1	80+67, 70' RT	LIGHTING	-	755.0 FG	752.0	-	
360	2	80+89, 30' RT	TRAFFIC	-	754.0 FG	751.0	-	
360	3	82+35, 13' RT	91" STORM	745.7	750.9 FG	747.9	2.2	FRA-33-22.46
361	1	95+08, 67' LT	LIGHTING	-	754.4 FG	751.4	-	
361	2	95+10, 67' LT	LIGHTING	-	754.4 FG	751.4	-	
363	1	4+25, 18' RT	STORM	FV	743.3 FG	740.3	-	
363	2	4+90, 18' RT	21" SANITARY	730.2 S	743.8 FG	740.8	10.6	RP02958
364	1	577+40, 110' LT	30" STORM	FV	739.4 FG	736.4	-	FRA-104-12.41_50
364	2	577+42, 133' LT	24" WATER	731.6 S	740.5 FG	737.5	5.9	CTP0362_005
364	3	120+21, 67' RT	LIGHTING	-	742.0 FG	739.0	-	
364	4	120+21, 71' RT	LIGHTING	-	741.4 FG	738.4	-	
366	1	212+38, 9' RT	15" STORM	FV	746.0 FG	743.0	-	FRA-270-15.19S_152
366	2	217+37, 6' RT	15" STORM	738.0 S	744.0 FG	741.0	3.0	FRA-270-15.19S_163

FG: SURFACE ELEVATION DETERMINED BY FRANKLIN COUNTY GIS, ACCURACY OF ±0.5'
BG: ELEVATION BELOW GRADE
SURV: SURFACE ELEVATION DETERMINED BY SURVEY
LEVA: FIELD VERIFIED ELEVATION, LEVEL A SUE
LEVB: FIELD VERIFIED ELEVATION, LEVEL B SUE
LEVC: FIELD VERIFIED ELEVATION, LEVEL C SUE
S: ELEVATION SCALED FROM PLANS
C: ELEVATION CALCULATED USING INVERT FROM COC DEPT OF PUBLIC WORKS GIS DATABASE
UND: ELEVATIONS COULD NOT BE DETERMINED FROM RECORD PLANS AND WILL BE SHOWN AFTER THE FIELD SUE INVESTIGATION
–: VARYING ELEVATIONS. DEPTHS ARE UNKNOWN
*(+): PROPOSED CONDUIT HAS BEEN ADJUSTED ABOVE THE TOP OF EXISTING UTILITY TO MEET MINIMUM VERTICAL CLEARANCE REQUIREMENT OF 1.0'
*(–): PROPOSED CONDUIT HAS BEEN ADJUSTED BELOW THE BOTTOM OF EXISTING UTILITY TO MEET MINIMUM VERTICAL CLEARANCE REQUIREMENT OF 1.0'
PENDING: ELEVATION TO BE PROVIDED IN A SUBSEQUENT SUBMITTAL

IF THE VERTICAL SEPARATION IS LESS THAN ONE FOOT (1') OR IF THE ELEVATION IS NOT SHOWN OR IS LISTED AS UND, THE CONTRACTOR SHALL EXPOSE THE EXISTING UTILITY AND ADJUST THE PROPOSED CONDUIT DEPTH TO 18"–60" TO MEET VERTICAL CLEARANCE REQUIREMENTS BY DIRECTION OF THE CITY OF COLUMBUS REPRESENTATIVE.

CIP: 540007–100060
PID NUMBER: 110521

UTILITY CROSSING INDEX
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CITY OF COLUMBUS TRAFFIC SIGNAL SYSTEM
(CTSS) PHASE F – FINAL SUBMITTAL

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SHEET #	UTILITY CROSSING ID#	STATION	UTILITY TYPE/SIZE	TOP OF EXISTING UTILITY	EXISTING GROUND ELEVATION	BOTTOM OF PROPOSED ELEVATION	VERTICAL SEPARTION FEET	UTILITY REFERENCE PLAN OR OWNER
367	1	223+83, 1' RT	15" STORM	FV	742.0 FG	739.0	-	FRA-270-15.19S_153
367	2	227+61, 6' RT	96" SANITARY	FV	740.0 FG	737.0	-	RP02631
367	3	229+62, 13' RT	15" STORM	736.1 C	742.0 FG	739.0	2.9	FRA-270-15.19S
372	1	266+59, 8' RT	36" WATER	737.2 S	746.0 FG	743.0	5.8	CTP0506_002
373	1	278+02, 5' RT	FIBER OPTIC	FV	748.1 FG	745.1	-	144 STRAND PHASE D PID #82573
399	1	593+97, 64' RT	LIGHTING	-	912.2 FG	909.2	-	
399	2	594+38, 58' RT	15" STORM	910.1 C	913.8 FG	911.1 *(+)	1.0	RP02004
399	3	594+62, 58' RT	18" STORM	909.4 C	914.0 FG	911.0	1.6	FRA-161-10.83
399	4	594+70, 58' RT	12" WATER	907.2 S	914.0 FG	911.0	3.8	WL1964-30
399	5	596+82, 64' RT	LIGHTING	-	914.0 FG	911.0	-	
403	1	17+10, 64' RT	15" STORM	780.3 C	784.0 FG	781.4 *(+)	1.1	FRA-3-17.17
403	2	17+15, 73' RT	15" STORM	780.4 C	784.0 FG	781.4 *(+)	1.0	FRA-3-17.17
403	3	17+18, 77' RT	15" STORM	780.4 C	784.0 FG	781.4 *(+)	1.0	FRA-3-17.17
403	4	17+23, 69' RT	TRAFFIC	-	784.0 FG	781.4 *(+)	-	
406	1	381+82, 112' RT	LIGHTING	-	778.0 FG	775.0	-	
406	2	381+53, 76' RT	TRAFFIC	-	761.0 FG	758.0	-	
406	3	383+15, 70' RT	16" WATER	FV	758.0 FG	755.0	-	FRA-670-03-93H
406	4	383+40, 70' RT	LIGHTING	-	769.5 FG	766.5	-	
409	1	153+74, 81' LT	LIGHTING	-	707.9 FG	704.9	-	
409	2	153+84, 81' LT	90" SANITARY	698.9 C	707.6 FG	704.6	5.7	RP02418
409	3	154+29, 63' LT	LIGHTING	-	706.4 FG	703.4	-	
412	1	94+28, 91' LT	36" WATER	739.4 S	750.9 FG	747.9	8.5	CTP0656
415	1	577+40, 110' LT	30" STORM	FV	739.4 FG	736.4	-	FRA-104-12.41_50
415	2	577+42, 133' LT	24" WATER	731.6 S	740.5 FG	737.5	5.9	CTP0362_005
415	3	577+50, 157' LT	LIGHTING	-	741.4 FG	738.4	-	
415	4	577+53, 157' LT	LIGHTING	-	742.0 FG	739.0	-	

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3676-E

CIP: 540007–100060
PID NUMBER: 110521

UTILITY CROSSING INDEX
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CITY OF COLUMBUS TRAFFIC SIGNAL SYSTEM
(CTSS) PHASE F – FINAL SUBMITTAL

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R3-1
S1



R3-2
S2



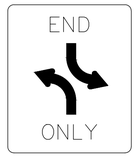
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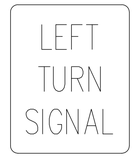
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S4



R3-9B
S5



S6



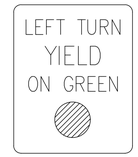
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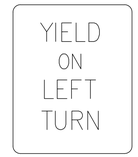
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S8



R3-5R
S9



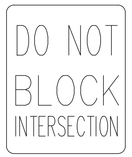
R10-12
S10



S10



S11



R10-7
S12



R5-1
S13



R6-2L
S14



R6-2R
S15



R6-7
S16



R6-6
S17



S18



R9-3a
S19



R3-5a
S20



R3-6R
S21



S22



R3-17
S23



S24



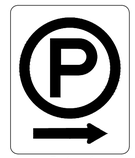
R5-1A
S25



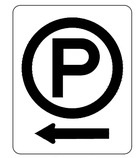
R5-2
S26



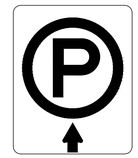
S27



D4-1
S28



D4-1
S29



D4-1
S30



R5-H2c
S31



R3-6L
S32



S33



S34



R3-4
S35



S36



R10-5
S37



S38



S39

S40

S41

S42

S43

S44

S45

S46

S47

S48

S49

S50

S51

R10-12
S52

S53

S54

S55

S56

S57

S58

S59

S60

S61

S62

S63

EXISTING OVERHEAD SIGNAGE SHOWN ON PLAN SHEETS

3676-E

CIP: 540007-100060
PID NUMBER: 110521

EXISTING OVERHEAD SIGNS

CITY OF COLUMBUS TRAFFIC SIGNAL SYSTEM
(CTSS) PHASE F – FINAL SUBMITTAL

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768

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PLAN SHEET DISCLAIMER

EVERY REASONABLE EFFORT HAS BEEN MADE TO ASSURE THE ACCURACY OF THESE PLANS AND ASSOCIATED DATA WITH THE CITY OF COLUMBUS, DEPARTMENT OF PUBLIC UTILITIES FACILITIES. THE CITY OF COLUMBUS, OHIO ASSUMES NO LIABILITY ARISING FROM THE ACCURACY OF THE DEPARTMENT OF PUBLIC UTILITIES FACILITIES DATA IN THESE PLANS OR FOR USE OF THIS DATA FOR PURPOSES NOT RELATED TO THE SUBJECT PROJECT. THIS DISCLAIMER APPLIES TO SHEETS 61–446 OF THIS PLAN SET.

IN AN EFFORT TO INCREASE THE CLARITY AND LEGIBILITY OF THE PLANS, EXISTING UNDERGROUND UTILITIES WILL NOT BE SHOWN UNLESS THERE IS PROPOSED WORK THAT WILL REQUIRE EXCAVATION OR ANY OTHER EARTH DISTURBING ACTIVITY. IF PROPOSED WORK WILL REQUIRE THIS TYPE OF ACTIVITY, EXISTING UNDERGROUND UTILITIES WILL BE PROPERLY INVESTIGATED AND REPRESENTED ON THE PLAN SHEET OF THE RESPECTIVE WORK LOCATION.

PRE–CONSTRUCTION CONFERENCE

UNLESS OTHERWISE PROVIDED FOR IN THE CONTRACT DOCUMENTS, NO WORK SHALL BE COMMENCED UNDER THIS CONTRACT UNTIL A PRECONSTRUCTION CONFERENCE HAS BEEN HELD.

AFTER THE CONTRACT IS FULLY EXECUTED, THE CITY WILL SEND PRECONSTRUCTION CONFERENCE NOTICES TO ALL PARTIES. IN GENERAL, FOURTEEN DAYS ARE REQUIRED TO NOTIFY ALL INTERESTED PARTIES OF A PRECONSTRUCTION CONFERENCE. THE CONTRACTOR SHALL TAKE DUE NOTE OF THIS REQUIREMENT AND AID IN THE TIMELY SCHEDULING OF THE PRECONSTRUCTION CONFERENCE TO AVOID UNNECESSARY DELAYS IN THE COMMENCEMENT OF THE WORK.

NOTIFICATIONS

THE PUBLIC, LOCAL SCHOOLS, POLICE, FIRE AND EMERGENCY SERVICES, AND THE ODOT DISTRICT 6 PUBLIC INFORMATION OFFICER (PIO) SHALL BE NOTIFIED A MINIMUM OF 14 DAYS PRIOR TO THE START OF CONSTRUCTION AND BEFORE ANY TEMPORARY ALTERATIONS TO TRAFFIC PATTERNS ARE MADE.

PERMITS

WHEN EXCAVATING WITHIN COLUMBUS PUBLIC RIGHT OF WAY LIMITS, THE CONTRACTOR SHALL OBTAIN AND EXCAVATION PERMIT FROM CITY OF COLUMBUS, DEPT. OF PUBLIC SERVICE – PERMIT OFFICE BETWEEN THE HOURS OF 7:30 AM AND 4:00 PM MONDAY THROUGH FRIDAY. PHONE 614–645–7497; FAX: 614–645–1876 EMAIL: COLSPERMITS@COLUMBUS.GOV

UTILITIES

THE IDENTITY AND LOCATION OF EXISTING UNDERGROUND UTILITIES LOCATED IN AND AROUND THE CONSTRUCTION AREA HAVE BEEN SHOWN AND LABELED ON THE PLANS BY USING INFORMATION PROVIDED BY THE RESPECTIVE UTILITY OWNERS. THE CITY OF COLUMBUS OR THE CONSULTING ENGINEER WILL NOT ASSUME RESPONSIBILITY FOR THE ACCURACY OF THE LOCATION OR DEPTH OF EXISTING UNDERGROUND UTILITIES AS SHOWN ON THE PLANS.

SUPPORT AND PROTECTION OF ALL UTILITIES AND APPURTENANCES SHALL BE THE RESPONSIBILITY OF THE CONTRACTOR. COSTS FOR THE REPAIR AND RESTORATION OF EXISTING UTILITIES DAMAGED BY THE CONTRACTOR SHALL BE THE RESPONSIBILITY OF THE CONTRACTOR. THE CITY OF COLUMBUS UTILITIES WILL ONLY LOCATE AND MARK MAIN LINE FACILITIES. THE CONTRACTOR IS RESPONSIBLE FOR LOCATING ALL SERVICE LATERALS AND LINES. COSTS ASSOCIATED WITH THE ABOVE WORK AND RESPONSIBILITIES SHALL BE INCLUDED IN THE PRICE BID FOR VARIOUS ITEMS.

PRIOR TO EXCAVATION THE CONTRACTOR SHALL GIVE A 48–HOUR NOTICE TO THE OHIO UTILITIES PROTECTION SERVICE (OUPS) BY CALLING 800–362–2764. A MINIMUM NOTICE OF 2 WORKING DAYS SHALL ALSO BE GIVEN TO THE OWNERS OF UNDERGROUND UTILITIES SHOWN ON THE PLANS WHO ARE NOT MEMBERS OF A REGISTERED UNDERGROUND PROTECTION SERVICE, EXCEPT FOR ODOT FREEWAY MANAGEMENT SYSTEM FACILITIES WHICH WILL REQUIRE A MINIMUM NOTICE OF 5 WORKING DAYS.

LISTED BELOW ARE UTILITY COMPANIES THAT HAVE FACILITIES LOCATED WITHIN THE WORK LIMITS OF THIS PROJECT AND DO NOT SUBSCRIBE TO A REGISTERED UNDERGROUND PROTECTION SERVICE.

BRANDON ALLEN
REAL ESTATE AND
DAMAGE PREVENTION SPECIALIST
BUCKEYE PIPELINE COMPANY, LP
993 BRODHEAD ROAD
SUITE 100
CORAOPOLIS, PA 15108
216–318–2124
BALLEN@BUCKEYE.COM

JAMES SCHNEIDER
PROJECT MANAGER
AT&T TRANSMISSION
METROPOLITAN COMMUNICATIONS
GROUP, OHIO (MCG)
155 COMMERCE PARK DRIVE, SUITE #1
WESTERVILLE, OHIO 43082
440–525–4322
JAMES.SCHNEIDER@MCGFIBER.COM
FIELD ENGINEER
WILLIAM TAGGART
614–370–5414

THE FOLLOWING CITY OF COLUMBUS, ODOT, FRANKLIN COUNTY, AND PRIVATE UTILITIES ARE LOCATED WITHIN THE WORK LIMITS OF THIS PROJECT AND SUBSCRIBE TO A REGISTERED UNDERGROUND PROTECTION SERVICE:
FAX ALL LOCATION REQUESTS (2) WORKING DAYS PRIOR TO THE START OF CONSTRUCTION

CITY OF COLUMBUS
SUPPORT SERVICES DIVISION – COMM
4211 GROVES ROAD
COLUMBUS, OHIO 43232
JOHN GREMBOWSKI
614–724–4006 – RADIO ROOM
JAGREMBOWSKI@COLUMBUS.GOV
WILLIAM GRIFFITH
614–645–7344 X100 – PHONE
WRGRIFFITH@COLUMBUS.GOV

STEPHEN A RENNER
DIRECTOR, FRANKLIN COUNTY
SANITARY ENGINEERS
280 EAST BROAD STREET, STE. 201
COLUMBUS, OH 43215
614–525–5850 – DIRECT
614–525–3940 – OFFICE
614–525–5210 – FAX
SARENNER@FRANKLINCOUNTYOHIO.GOV

DIVISION OF POWER
CHARLES HORNER
3568 INDIANOLA AVE.
COLUMBUS, OHIO 43214
614–645–7569 – VOICE
CRHORNER@COLUMBUS.GOV

CITY OF COLUMBUS
DIVISION OF WATER
910 DUBLIN ROAD
COLUMBUS, OHIO 43215
614–645–7788 – OFFICE

ODOT
DISTRICT 6 MAINTENANCE OF TRAFFIC
400 E. WILLIAMS STREET
DELAWARE, OHIO 43015
740–833–8433 – OFFICE
MOT ENGINEER – GARY FETHEROLF
740–833–8162 – OFFICE
740–601–8817 – CELL
TRAFFIC ENGINEER – DAVID CARLIN
740–833–8267 – OFFICE

PAUL PAXTON
(CITY PROJECTS/DISTRIBUTION)
ENGINEERING LIAISON COORDINATOR
AMERICAN ELECTRIC POWER
777 HOPEWELL DRIVE
HEATH, OHIO 43056
740–348–5322 – OFFICE
PTPAXTON@AEP.COM
SOLUTION CENTER: 800–277–2177

MICHAEL CARR (TRANSMISSION)
TRANSMISSION LINE
PROJECT ENGINEERING
AMERICAN ELECTRIC POWER
700 MORRISON ROAD
GAHANNA, OHIO 43230
614–552–1893 – OFFICE
614–552–1818 – FAX
TL_PUBLICPROJECTS@AEP.COM

CITY OF COLUMBUS
DEPARTMENT OF TECHNOLOGY
1355 MCKINLEY AVENUE
BUILDING C
COLUMBUS, OHIO 43222
614–645–7756
DWMCNALLY@COLUMBUS.GOV
ALSO COPY:
DARRYL JOYCE, DHJOYCE@COLUMBUS.GOV
BRIAN MICKLEY,
BCMICKLEY@COLUMBUS.GOV

CITY OF COLUMBUS
DEPARTMENT OF PUBLIC SERVICE
TRAFFIC MANAGEMENT
1820 E 17TH AVE
COLUMBUS, OHIO 43219
614–645–7393 – OFFICE

TCENERGY
700 LOUISIANA ST
SUITE 1300
HOUSTON, TEXAS 77002
800–562–8931
US_CROSSINGS@TCENERGY.COM

MATT BLACKSTONE
OPERATIONS MANAGER
COLUMBUS FIBERNET
1600 WALCUTT ROAD
COLUMBUS, OHIO 43228
614–921–8524 – OFFICE
614–395–9701 – CELL
MABLACKSTONE@COLUMBUSFIBER.NET
CFNINFO@COLUMBUSFIBER.NET

JON TARNOWSKI
MANAGER–FIBER CONSTRUCTION
CROWN CASTLE FIBER (AKA
FIBERTECH & LIGHTOWER)
COLUMBUS/DAYTON/CINCINNATI
2 EASTON OVAL
SUITE 425
COLUMBUS, OHIO 43219
585–445–5813 – T
614–940–2462 – M
JON.TARNOWSKI@CROWNCASTLE.COM

ERIC L. ALEXANDER
DIRECTOR, RETAIL FIELD
OPERATIONS
CITYNET
779 BROOKSEDGE BOULEVARD
WESTERVILLE, OH 43081
614–364–7825 – OFFICE
614–989–9655 – CELL
ERIC.ALEXANDER@CITYNET.NET

JIM LUMP
NETWORK OPERATIONS MANAGER
HORIZON
1123 GOODALE BOULEVARD
SUITE 550
COLUMBUS, OHIO 43212
740–772–8256 – OFFICE
HORIZONUTILITY@HORIZONCONNECTS.COM

DONALD G MARSHALL JR.
MANAGER OSPE
AT&T (FKA SBC)
111 N 4TH STREET
COLUMBUS, OHIO 43215
614–216–2396 – CELL
DM619W@ATT.COM
ALSO COPY:
TL9569@ATT.COM
KG1963@ATT.COM
BT2178@ATT.COM
REPAIR SERVICE:
888–611–4466
DAMAGE PREVENTION:
937–296–3929

STEVEN HUGHES
OSP ENGINEER
SPRINT ACCOUNT
11370 ENTERPRISE PARK DR.
SHARONVILLE, OHIO 45241
513–459–5796 – OFFICE
513–462–7221 – CELL
STEVEN.HUGHES@SPRINT.COM

AARON ROLL
DIRECTOR OF FIELD OPERATIONS
SUBURBAN NATURAL GAS
2626 LEWIS CENTER RD.
LEWIS CENTER, OHIO 43035
740–548–2450 – OFFICE
614–419–1103 – CELL
740–548–2455 – FAX
AROLL@SNGCO.COM

CHARTER COMMUNICATIONS
(AKA TIME WARNER COMM)
3760 INTERCHANGE ROAD
COLUMBUS, OHIO 43204
DL–MOH–CONSTRUCTION–
FRELO–TEAM@CHARTER.COM

AUSTIN GUYER
ADV. R/W SPECIALIST
MARATHON PIPE LINE LLC
10722 E COUNTY ROAD 300 N
INDIANAPOLIS, INDIANA 46234
317–473–7441 – CELL
AGUYER@
MARATHONPETROLEUM.COM

ROB CALDWELL
LEADER FIELD ENGINEERING
COLUMBIA GAS OF OHIO
3350 JOHNNY APPLESEED CT.
COLUMBUS, OHIO 43231
614–818–2104 – OFFICE
614–370–1906 – CELL
RCALDWELL@NISOURCE.COM
CUSTOMER SERVICE:
800–344–4077
DAMAGE PREVENTION:
866–632–6243
COLUMBIAGAS_COLUMBUSENG
@NISOURCE.COM

ODOT
STATEWIDE ITS
1606 WEST BROAD STREET
COLUMBUS, OHIO 43223
PRIMARY: 614–387–4113
SECONDARY: 614–387–4099
CEN.ITS.LAB@DOT.STATE.OH.US

VERIZON BUSINESS (AKA MCI/XO)
757 COMMERCE CT
LEWIS CENTER, OH 43035
614–816–0361 – CELL (BOB DILLOW)
VZ.NET.COLUMBUS@
VERIZON.COM

ZAC REED
DIRECTOR OF ENGINEERING
SOUTH CENTRAL POWER
2780 COONPATH ROAD NE
LANCASTER, OHIO 43130
740–689–6150
ZREED@SOUTHCENTRALPOWER.COM

LEON TAYLOR
OSPE ENGINEERING &
CONSTRUCTION MANAGER
WINDSTREAM–KDL INC.
(MCLEODUSA)
2165 STATE ROUTE 133 SOUTH
BLANCHESTER, OH 45107
937–725–5358 – CELL
LEON.TAYLOR@WINDSTREAM.COM

MARK CALLAHAN
OPERATIONS ENGINEER
NE OHIO NATURAL GAS CORP.
5640 LANCASTER–NEWARK RD.
PLEASANTVILLE, OHIO 43148
740– 862–3300 X247 – OFFICE
740–862–6330 – FAX
740–808–6040 – CELL
MCALLAHAN@NEOGAS.COM

LUMEN
(FKA CENTURY LINK/
LEVEL 3 COMMUNICATIONS
/TW TELECOM)
250 W. OLD WILSON BRIDGE,
SUITE 130
WORTHINGTON, OH 43085
PLEASE SEND PLANS
ELECTRONICALLY TO
RELOCATIONS@LUMEN.COM

ATLANTIC BROADBAND (AKA WOW)
3675 CORPORATE DRIVE
COLUMBUS, OH 43231
ADD BOTH:
DL_CMHFR@ATLANTICBB.COM
MFREY@ATLANTICBB.COM

CATHY BITLER
VP, MEMBER SERVICE
AND COMMUNITY RELATIONS
SOUTH CENTRAL POWER
PO BOX 250
LANCASTER, OH 43130
740–689–6282 – OFFICE
BITLER@SOUTHCENTRALPOWER.COM

ANDY VOLENIK
PLANNING AND OPERATIONS
TRAFFIC SIGNALS
1820 E. 17TH AVE.
COLUMBUS, OHIO 43219
614–645–7799 – OFFICE
AMVOLENIK@COLUMBUS.GOV

COTA
33 NORTH HIGH STREET
8TH FLOOR OF
WILLIAM J. LHOTA BUILDING
COLUMBUS, OHIO 43215
COTADESIGNREVIEW@COTA.COM
EVANSPM1@COTA.COM

ODOT
TROY BRYANT
UTILITY RELOCATION
COORDINATOR D6
400 E. WILLIAM STREET
DELAWARE, OH 43015
740–833–8110 – OFFICE
TROY.BRYANT@DOT.OHIO.GOV

CITY OF COLUMBUS
DIV. OF SEWERAGE AND DRAINAGE
1250 FAIRWOOD AV.
COLUMBUS, OHIO 43206
SMOC (SEWER MAINTENANCE
OPERATIONS CENTER)
614–645–7102
THIS OFFICE OPERATES 24/7.

DAVE WOLF
ENGINEERING SUPERVISOR
DELCO WATER
6658 OLENTANGY RIVER ROAD
DELAWARE, OHIO 43015
740–548–7746 X2403
DWOLF@DELCOWATER.COM

3676-E

CIP: 540007–100060
PID NUMBER: 110521

GENERAL NOTES SHEET
1 OF 11

CITY OF COLUMBUS TRAFFIC SIGNAL SYSTEM
(CTSS) PHASE F – FINAL SUBMITTAL

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EMERGENCY PROVISIONS

THE CONTRACTOR SHALL PROVIDE TO THE CITY OF COLUMBUS 24–HOUR EMERGENCY TELEPHONE NUMBERS, IN WRITING, PRIOR TO THE START OF CONSTRUCTION.

CONFLICTS WITH STREET TREES

CONTRACTOR SHALL CONTACT THE FORESTRY SECTION OF RECREATION AND PARKS DEPARTMENT WHEN A CONFLICT WITH STREET TREES EXISTS AT (614) 645–6640. APPROVAL REQUIRED PRIOR TO WORK COMMENCING.

CONTINGENCY QUANITIES

THE CONTRACTOR SHALL NOT ORDER MATERIALS OR PERFORM WORK SHOWN, LABELED, OR LISTED AS "CONTINGENCY" OR REFERENCED BY PLAN NOTE TO BE USED "AS DIRECTED BY THE ENGINEER," UNLESS AUTHORIZED BY THE ENGINEER, OR AN ACCEPTABLE REPRESENTATIVE FOR THE CITY OF COLUMBUS DIVISION OF DESIGN AND CONSTRUCTION.

DUST CONTROL

THE FOLLOWING ESTIMATED QUANTITIES HAVE BEEN INCLUDED TO BE USED AT THE DIRECTION OF THE ENGINEER FOR THE PURPOSE OF DUST CONTROL WITHIN THE PROJECT LIMITS:

ITEM 616 – CALCIUM CHLORIDE	24 TONS
ITEM 616 – WATER	10 M GAL

WATERING PERMANENT SEEDED AREAS

THE FOLLOWING ESTIMATED QUANTITY IS TO BE USED AS DIRECTED BY THE ENGINEER TO PROMOTE GROWTH FOR THE PERMANENT SEEDED AREAS AS PER 659.09:

ITEM 659 – WATER	10 M GAL

CONCRETE WALKS, AS PER PLAN

ALL EXISTING CONCRETE SIDEWALKS BEING REPLACED WITH NEW CONCRETE SIDEWALKS SHALL BE REMOVED AT AN EXISTING JOINT AND REPLACED AS PER SCD 2300.

ALL EXISTING CONCRETE SIDEWALKS NOT SCHEDULED FOR REPLACEMENT BUT BEING CROSSED BY THE INSTALLATION OF TRAFFIC ITEMS, ELECTRICAL CONDUIT, PIPING, ETC SHALL BE FULLY REMOVED AT AN EXISTING JOINT AND REPLACED AS PER STANDARD DRAWING 2300 UNLESS NOTED OTHERWISE. PAYMENT SHALL BE INCLUDED IN THE PRICE BID FOR ITEM 608, CONCRETE WALK.

IF EXISTING CURB RAMPS ARE DISTURBED – REPLACE WITH CURB RAMPS PER SCD 2319 RAMP HIERARCHY.

8" THICK WALK WILL BE REQUIRED AT EACH CURB RAMP PER SCD 2319.

IN CONJUNCTION WITH ANY CURB RAMP REPLACEMENT: TYPE 'E' DETECTABLE WARNINGS SHALL BE INSTALLED.

WORK LIMITS

THE WORK LIMITS SHOWN ON THESE PLANS ARE FOR PHYSICAL CONSTRUCTION ONLY. THE INSTALLATION AND OPERATION OF ALL TEMPORARY TRAFFIC CONTROL AND TEMPORARY TRAFFIC CONTROL DEVICES REQUIRED BY THESE PLANS SHALL BE PROVIDED BY THE CONTRACTOR WHETHER INSIDE OR OUTSIDE OF THESE WORK LIMITS.

C.O.T.A. – BUS SHELTERS/PADS

THE CONTRACTOR SHALL NOTIFY SENIOR SERVICE PLANNER OF COTA AT PH – (614) 308–4373 OR FAX – (614) 275–5933 A MINIMUM OF TWO WEEKS PRIOR TO THE REQUIRED REMOVAL OF A BUS SHELTER. COTA WILL DISASSEMBLE THE SHELTER AND THEN REINSTALL IT ONCE THE NEW CONCRETE SLAB IS IN PLACE. CONTRACTOR SHALL CONSTRUCT THE SLAB AS DIRECTED BY THE PLANS OR OTHER CONTRACT DOCUMENTS. ALL CONTRETE BUS PAD WORK REQUIRES PRIOR AUTHORIZATION OF THE ENGINEER AND SHALL BE PAID FOR VIA FORCE ACCOUNT AS A PER ITEM SPECIAL, REMOVE AND REPLACE BUS SHELTER SLAB, WITH THE CONTRACT UNIT PRICE PER EACH. THIS PAY ITEM SHALL INCLUDE ALL EXCAVATION AND REMOVAL WORK, EXPANSION JOINT MATERIAL, ITEM 608 – 6" CONCRETE WALK, AND ANY OTHER WORK AS REQUIRED OR DIRECTED BY THE ENGINEER.

BENCHMARKS AND SURVEY MONUMENTS

ANY ELEVATIONS IDENTIFIED ARE BASED ON 1988 NORTH AMERICAN VERTICAL DATUM (NAVD 88).

ANY VERTICAL CONTROL POINTS SET USED A COUNTY, OR CITY CERTIFIED SOURCE MONUMENT FOR ITS POINT OF ORIGIN, AND ARE CALLED OUT AND SHOWN ON THE PLAN AND PROFILE SHEETS AND/OR SCHEMATIC SHEET.

DO NOT DISTURB ANY FRANKLIN COUNTY CERTIFIED BENCHMARKS (VERTICAL AND/OR HORIZONTAL) LOCATED WITHIN THE WORKING LIMITS OF THE PROJECT. CONTRACTOR SHALL CONTACT THE FRANKLIN COUNTY SURVEY DEPARTMENT (614) 462–3026, PRIOR TO CONSTRUCTION, TO COORDINATE THE PROPER PROCEDURES FOR THE RESETTING, RELOCATION, OR REPLACEMENT OF ANY FRANKLIN COUNTY CERTIFIED BENCHMARK OR SURVEY MONUMENT.

ALL EXISTING RIGHT–OF–WAY MARKERS, CENTERLINE MARKERS, OR SURVEY MONUMENTS FOUND WITHIN THE WORK LIMITS OF OR ADJACENT TO THE PROJECT ARE SHOWN AND LABELED ON THE PLANS.

ANY CONSTRUCTION CONTROL POINTS SET FOR THIS PROJECT HAVE BEEN SUPPLIED WITH THREE POINT REFERENCES.

LIMITED ACCESS RIGHT OF WAY (LA R/W)

THE LA R/W INFORMATION SHOWN ON THE PLANS CAME FROM A VARIETY OF SOURCES; FOR MOST AREAS, AN ACTUAL FIELD SURVEY OF AREAS WAS NOT CONDUCTED; AND THE LA R/W INFORMATION WAS OBTAINED FROM FRANKLIN COUNTY MAPPING, FRANKLIN COUNTY AUDITOR AND EXISTING RECORD PLANS.

CLEARING AND GRUBBING

THE CITY OF COLUMBUS RESERVES THE RIGHT TO ORDER THE REMOVAL OF TREES OR STUMPS OUTSIDE THE LIMITS OF CONSTRUCTION BUT WITHIN THE RIGHT–OF–WAY AND / OR EASEMENT LINES. PAYMENT FOR REMOVAL OF THESE TREES OR STUMPS SHALL BE INCLUDED IN THE LUMP SUM BID PRICE FOR ITEM 201, CLEARING AND GRUBBING.

ALL TREES AND STUMPS SPECIFICALLY MARKED FOR REMOVAL WITHIN THE CONSTRUCTION LIMITS SHALL BE REMOVED UNDER THE LUMP SUM BID FOR ITEM 201, CLEARING AND GRUBBING. THE FOLLOWING IS AN APPROXIMATE ESTIMATE OF THE NUMBER OF TREES AND STUMPS TO BE REMOVED.

SIZES	NO. TREES	NO. STUMPS	TOTAL
18"	0	0	0
30"	0	0	0
48"	0	0	0
60"	0	0	0

BRICK SEWERS

THE CONTRACTOR SHALL MAINTAIN A MINIMUM CLEARANCE OF 10' HORIZONTAL AND 5' VERTICAL FROM THE OUTSIDE DIAMETER OF ALL BRICK/SEGMENTED BLOCK SEWERS. THE SEWERS MUST BE LABELED "BRICK" AND THE OUTSIDE DIAMETER PIPE SIZE INDICATED ON THE PLANS. BRICK/BLOCK SEWERS SHALL NOT BE EXPOSED, AS IT MAY CAUSE COLLAPSE OF THE SEWER DUE TO REMOVAL OF THE BACKFILL MATERIAL.

C.O.T.A. SIGN AND/OR BUS STOPS

PRIOR TO CONSTRUCTION THE CONTRACTOR SHALL CONTACT THE SENIOR SERVICE PLANNER OF THE CENTRAL OHIO TRANSIT AUTHORITY (COTA) @ PH– (614) 308–4373 OR FAX– (614) 275–5933 A MINIMUM OF TWO WEEKS PRIOR TO THE CONSTRUCTION NEAR A COTA BUS STOP TO COORDINATE PROPER BUS MOVEMENTS THROUGH OR AROUND THE JOB SITE DURING THE PROJECT. THIS WILL INCLUDE, BUT NOT BE LIMITED TO, THE TEMPORARY RELOCATION OR REMOVAL OF COTA SIGNS AND/OR BUS STOP LOCATIONS.

ITEM 633 – SIGNALIZATION, MISC.: SYSTEM INTEGRATION, LUMP SUM

THIS PAY ITEMS INCLUDES ALL WORK REQUIRED TO SEAMLESSLY INTEGRATE PHASE F SIGNALS AND COMPONENTS INTO THE CSS SYSTEM, IN ORDER TO ACHIEVE THE SAME LEVEL OF FUNCTIONALITY OF THE PHASE F INTERSECTIONS AS HAS BEEN ESTABLISHED THROUGH THE PREVIOUS CTSS PHASE INSTALLATION. FOR MORE INFORMATION, SEE SP–103.

MANHOLE AND / OR INLET ADJUSTED TO GRADE

BEFORE ADJUSTING EXISTING MANHOLES AND/OR CURB INLETS TO GRADE, THE CONTRACTOR, IN THE PRESENCE OF THE CITY ENGINEER OR AN ACCEPTABLE REPRESENTATIVE, SHALL INSPECT SAID STRUCTURES. IF STRUCTURES ARE IN POOR CONDITION, THEY SHALL BE REPLACED WITH NEW STRUCTURES AT THE APPROPRIATE ELEVATIONS.

MAINTAIN DRAINAGE

THE CONTRACTOR AT HIS OWN EXPENSE SHALL MAINTAIN THE FLOW IN ALL SEWERS, DRAINS, FIELD TILES, AND WATERCOURSES ENCOUNTERED IN AND AROUND THE PROJECT SITE. IF SUCH WATERCOURSES OR DRAINS ARE DISTURBED OR DESTROYED DURING THE EXECUTION OF THE PROJECT, THEY SHALL BE RESTORED BY THE CONTRACTOR AT HIS OWN EXPENSE TO A CONDITION SATISFACTORY TO THE ENGINEER.

USE OF HYDRANTS

THE CONTRACTOR SHALL OBTAIN THE PROPER HYDRANT PERMIT(S), AND PAY ANY APPLICABLE FEES, FOR ANY APPROVED HYDRANT USAGE DEEMED NECESSARY FOR WORK UNDER THIS IMPROVEMENT. PERMITS MAY BE OBTAINED THROUGH THE DIVISION OF WATER PERMIT OFFICE (645–7330). THE CONTRACTOR SHALL ADHERE TO ALL RULES AND REGULATIONS GOVERNING SAID PERMIT AND MUST HAVE THE ORIGINAL PERMIT ON SITE ANY TIME IN WHICH THE HYDRANT IS IN USE. COST TO BE INCLUDED IN THE VARIOUS BID ITEMS.

MONUMENTED RIGHT–OF–WAY AND PROPERTY CORNERS

AVOID DISTURBING EXISTING RIGHT–OF–WAY OR PROPERTY CORNER MARKERS DURING CONSTRUCTION. IF DISTURBED DURING CONSTRUCTION, THE MARKERS SHALL BE REPLACED PER CITY OF COLUMBUS CONSTRUCTION AND MATERIAL SPECIFICATIONS, SECTION 107.11.

SECURING EXCAVATIONS & TRENCHES FOR NON–WORKING HOURS

EXCAVATIONS AND TRENCHES OVER 24–INCHES DEEP SHALL BE SECURELY PLATED, OR BACKFILLED DURING NON–WORKING HOURS.

ITEM SPEC. – CRITICAL PATH METHOD PROGRESS SCHEDULE FOR LONG DURATION PROJECTS

THIS ITEM SHALL COMPLY WITH CMSC SECTION 108.3 – "TYPE 'B' CPM PROGRESS SCHEDULE"

PAVEMENT CUTTING, SAWING AND EXCAVATION OPERATIONS NOTE:

ALL PUBLIC AGENCIES AND PRIVATE CONTRACTORS PERFORMING PAVEMENT–CUTTING OPERATIONS ON CITY OF COLUMBUS STREETS AND ROADWAYS SHALL PROTECT THE ENVIRONMENT FROM DISCHARGES CREATED BY THEIR PAVEMENT CUTTING OPERATIONS. NOTE THAT COLUMBUS CITY CODE 1145 PROHIBITS NON–STORMWATER DISCHARGE INTO THE CITY OF COLUMBUS SEWER SYSTEM, CURB INLETS AND ANY PART OF ITS MS4 (MUNICIPAL SEPARATE STORM SEWER SYSTEM).

THIS REQUIREMENT INCLUDES BUT IS NOT LIMITED TO WET OR DRY SAW CUTTING, JACK HAMMERING, EXCAVATION EQUIPMENT USE, ETC. THE PUBLIC AGENCY AND/OR PRIVATE CONTRACTOR WORK CREWS SHALL RECOVER AND DISPOSE OF DETRITUS, POLLUTED WATERS, OR OTHER SUCH DISCHARGES RESULTING FROM THEIR PAVEMENT CUTTING OPERATIONS AND PROTECT ALL STORM SEWER INLETS FROM RECEIVING ANY DISCHARGES FROM THE CONSTRUCTION OPERATIONS. THE AGENCY OR CONTRACTOR RESPONSIBLE FOR EACH PAVEMENT CUTTING ACTIVITY SHALL BE SOLELY LIABLE FOR NOTICE OF VIOLATIONS (NOVs) AND FINES ISSUED BY THE CITY OF COLUMBUS AND/OR STATE OF OHIO AUTHORITIES.

EQUIPMENT, MATERIALS AND METHODS SHALL BE PROVIDED BY THE RESPONSIBLE PUBLIC AGENCY AND/OR PRIVATE CONTRACTOR TO WORK CREWS PERFORMING THE PAVEMENT CUTTING ACTIVITY AND MADE AVAILABLE TO WORK CREWS FOR USE IN CLEANING UP DISCHARGES RESULTING FROM SUCH CUTTING ACTIVITIES AND PREVENTING RUNOFF. ALL WORK CREWS SHALL BE TRAINED TO EXERCISE AND EMPLOY EQUIPMENT, MATERIALS, AND ENVIRONMENTAL PROTECTIVE MEASURES TO PREVENT POLLUTED DISCHARGES FROM ENTERING THE CITY OF COLUMBUS STORM SEWER SYSTEM AND WATERS OF THE STATE OF OHIO.

THE PUBLIC AGENCY AND/OR PRIVATE CONTRACTOR IS SOLELY RESPONSIBLE FOR ENSURING THAT THE INLET PROTECTION IS ADEQUATE. THE MOST STRINGENT PROJECT PLANS, NOTES AND/OR DRAWINGS INCLUDING STORMWATER POLLUTION PREVENTION PLAN (SWP3) OR SPILL PREVENTION/REMEDIATION PLAN SHALL APPLY TO ALL PAVEMENT CUTTING, SAWING OR EXCAVATION OPERATIONS.

NOTE TO SPECIFICATION WRITERS: IF SWP3 OR SPILL PREVENTION/REMEDIATION PLANS ARE INCLUDED IN CONTRACT DOCUMENTS, THEY SHOULD BE CITED IN THE LAST PARAGRAPH ABOVE BY VOLUME, PAGE OR SHEET NUMBERS; SO DIRECTING THE READER TO SUCH PLAN.

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GENERAL NOTES SHEET
2 OF 11

CITY OF COLUMBUS TRAFFIC SIGNAL SYSTEM
(CTSS) PHASE F – FINAL SUBMITTAL

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TREE PROTECTION DURING CONSTRUCTION

PUBLIC TREES WILL BE PROTECTED AGAINST INJURY OR DAMAGE TO ROOTS, TRUNKS, OR BRANCHES FROM EXCAVATIONS AND CONSTRUCTION. THIS SHALL BE DONE IN ACCORDANCE WITH THE CITY OF COLUMBUS, FORESTRY SECTION AND BY THE FOLLOWING REQUIREMENTS:

- ALL TREE PRUNING AND REMOVAL MUST BE DONE IN ACCORDANCE TO ANSI A300 AND ANSI Z133.1 STANDARDS. THE CONTRACTOR PERFORMING THE WORK MUST BE A PROFESSIONAL TREE CARE COMPANY WITH A CERTIFIED ARBORIST ON STAFF AND AVAILABLE TO DIRECT THE ON-SITE CREW.
- HEAVY EQUIPMENT WILL NOT BE ALLOWED TO COMPACT THE SOIL OVER THE CRITICAL ROOT ZONE (AREA FROM TRUNK TO ONE FOOT BEYOND DRIPLINE) OF EXISTING TREES. RESTRICTED EQUIPMENT ACCESS ROUTES WILL BE ESTABLISHED BEFORE WORK IS BEGUN. TEMPORARY PAVING MATERIALS SUCH AS PLYWOOD OR RUBBER MATTING SPREAD OVER THE ROOT ZONE MAY BE REQUIRED TO PREVENT COMPACTION.
- INSTALLATION OF UTILITIES UNDER THE DRIPLINE OF EXISTING TREES MUST BE DIRECTIONALLY BORED OR DRILLED BELOW THE ROOT ZONE. TOP OF THE BORE OR TUNNEL SHOULD BE NO HIGHER THAN 3 FEET DEEP. OPEN TRENCHES WITHIN THE ROOT ZONE MUST BE AVOIDED. WHEN ROOTS MUST BE SEVERED, CLEAN CUTS MUST BE MADE WITH PROPER PRUNING TOOLS.
- WHERE GRADE CHANGE IS REQUIRED WITHIN THE ROOT ZONE OF PUBLIC TREES, A SUFFICIENT RESIDUAL ROOT ZONE TO PROVIDE FOR THE GOOD HEALTH OF THE TREES SHOULD REMAIN UNDISTURBED AND PROTECTED BY EITHER A DRY WELL OR RETAINING WALL IF THE GRADE IS TO BE RAISED OR LOWERED.
- CONSTRUCTION MATERIALS, EXCAVATION DEBRIS, CHEMICALS, FUEL, EQUIPMENT OR VEHICLES ARE NOT TO BE STOCKPILED, STORED, DUMPED OR PARKED WITHIN THE DRIPLINE OF PUBLIC TREES.
- FIRES ARE NOT PERMITTED WITHIN THE DRIPLINE OF ANY TREES.
- ALL EXISTING TREES DESIGNATED FOR PRESERVATION WILL BE PROTECTED WITH A GOOD, SUBSTANTIAL FENCE, FRAME OR BOX NOT LESS THAN FOUR FEET HIGH AND AS FAR FROM THE TREE AS POSSIBLE. DRIPLINE IS PREFERABLE, HOWEVER, ACTUAL LOCATION WILL BE DETERMINED BY SITE LIMITATIONS.
- FENCING WILL BE INSTALLED BEFORE COMMENCING SITE PREPARATION WORK. FENCE MUST BE MAINTAINED DURING THE FULL CONSTRUCTION PERIOD.

ANY TREES DAMAGED OR DESTROYED DUE TO CONTRACTOR NEGLIGENCE WILL BE TREATED OR REMOVED AT THE CONTRACTOR'S EXPENSE. IF DAMAGED BEYOND REPAIR, THE CITY WILL REQUIRE REIMBURSEMENT FOR THE VALUE OF THE TREE AS DETERMINED BY THE CURRENT EDITION OF THE 'GUIDE FOR PLANT APPRAISAL' PUBLISHED BY THE INTERNATIONAL SOCIETY OF ARBORICULTURE.

DIVISION OF POWER

THE DIVISION OF POWER (DOP) MAY HAVE UNDERGROUND AND OVERHEAD PRIMARY, SECONDARY, AND STREET LIGHTING, AT THIS WORK LOCATION. THE CONTRACTOR IS HEREBY REQUIRED TO CONTACT OUPS AT 811 OR 1-800-362-2764 FORTY-EIGHT HOURS PRIOR TO CONDUCTING ANY ACTIVITY WITHIN THE CONSTRUCTION AREA.

ANY REQUIRED RELOCATION, SUPPORT, PROTECTION, OR ANY OTHER ACTIVITY CONCERNED WITH THE CITY'S ELECTRICAL FACILITIES IN THE CONSTRUCTION AREA IS TO BE PERFORMED BY THE CONTRACTOR UNDER THE DIRECTION OF DOP PERSONNEL AND AT THE EXPENSE OF THE PROJECT. THE CONTRACTOR SHALL USE MATERIAL AND MAKE REPAIRS TO A CITY OF COLUMBUS STREET LIGHTING SYSTEM BY FOLLOWING DOP'S "MATERIAL AND INSTALLATION SPECIFICATIONS" (MIS) AND THE CITY OF COLUMBUS "CONSTRUCTION AND MATERIAL SPECIFICATIONS" (CMS). ANY NEW OR RE-INSTALLED UNDERGROUND STREETLIGHT SYSTEM SHALL REQUIRE TESTING AS REFERRED TO IN SECTION 1000.18 OF THE CMS MANUAL. THE CONTRACTOR SHALL CONFORM TO DOP'S EXISTING CONDUCTOR SAFETY POLICY AND HOLD CARD SYSTEM, MIS-95, COPIES OF WHICH ARE AVAILABLE FROM DOP.

IF ANY ELECTRIC FACILITY BELONGING TO DOP IS DAMAGED IN ANY MANNER BY THE CONTRACTOR, ITS AGENTS, SERVANTS, OR EMPLOYEES, AND REQUIRES EMERGENCY REPAIRS, THE DOP DISPATCH OFFICE SHOULD BE CONTACTED IMMEDIATELY AT 614-645-7627. DOP SHALL MAKE ALL NECESSARY REPAIRS, AND THE EXPENSE OF SUCH REPAIRS AND OTHER RELATED COSTS SHALL BE PAID BY THE CONTRACTOR TO THE DIVISION OF POWER, CITY OF COLUMBUS, OHIO.

THE CONTRACTOR SHALL EXERCISE CAUTION AND FOLLOW ALL APPLICABLE SAFETY PROCEDURES WHEN WORKING ON OR NEAR A COMBINATION POLE--TRAFFIC SIGNAL POLE WITH AN ATTACHED STREET LIGHT LUMINAIRE. THE MAJORITY OF STREET LIGHTS OPERATE ON 480 VAC; SO GIVEN THAT SITUATION, THE CONTRACTOR CAN EXPECT 480 VAC STREET LIGHT WIRING TO BE CONTAINED INSIDE OR ATTACHED TO THE TRAFFIC SIGNAL POLE. IN CASE OF QUESTIONS REGARDING THE VOLTAGE OF A STREET LIGHT ON A COMBINATION POLE, THE CONTRACTOR SHALL CONTACT THE DIVISION OF POWER AT (614) 645-7627 OR THE DIVISION OF PLANNING AND OPERATIONS AT (614) 645-7933.

MISCELLANEOUS WORK ITEMS

THE CONTRACTOR SHALL PERFORM ALL ITEMS OF WORK CALLED FOR ON THE PLANS, FOR WHICH NO SPECIFIC METHOD OF PAYMENT IS PROVIDED. THE COST OF IT SHALL BE INCLUDED IN THE VARIOUS UNIT PRICES BID FOR THE PROJECT IMPROVEMENT.

DIVISION OF WATER

THE CITY OF COLUMBUS, CONSTRUCTION AND MATERIAL SPECIFICATIONS, 2018 EDITION AND ALL REVISIONS, INCLUDING ALL SUPPLEMENTS THERETO, SHALL GOVERN ALL CONSTRUCTION ITEMS THAT ARE PART OF THIS PLAN, UNLESS OTHERWISE NOTED.

FOR ANY EMERGENCIES INVOLVING THE WATER DISTRIBUTION SYSTEM, PLEASE CONTACT THE DIVISION OF WATER DISTRIBUTION MAINTENANCE OFFICE AT 614-645-7788.

THE CONTRACTOR SHALL OBTAIN THE PROPER HYDRANT PERMIT(S), AND PAY ANY APPLICABLE FEES, FOR ANY APPROVED HYDRANT USAGE DEEMED NECESSARY FOR WORK UNDER THIS IMPROVEMENT. PERMITS MAY BE OBTAINED THROUGH THE DIVISION OF WATER PERMIT OFFICE (645-7330). THE CONTRACTOR SHALL ADHERE TO ALL RULES & REGULATIONS GOVERNING SAID PERMIT AND MUST HAVE THE ORIGINAL PERMIT ON SITE ANYTIME IN WHICH THE HYDRANT IS IN USE. PERMITS MAY BE OBTAINED BY ACCESSING HTTP://PORTAL.COLUMBUS.GOV/PERMITS/. COST TO BE INCLUDED IN THE VARIOUS BID ITEMS.

WHEN CROSSING THE EXISTING WATER MAIN, AND LOW STRENGTH MORTAR (ITEM 613) IS TO BE USED AS BACKFILL, THE CONTRACTOR SHALL PROVIDE SIZE NO. 57 CRUSHED CARBONATE STONE (CCS) 1 FOOT BELOW TO 1 FOOT ABOVE THE EXISTING WATER MAIN.

IF DURING THE EXCAVATION, THE POLYETHYLENE ENCASEMENT ON THE EXISTING WATER MAIN BECOMES DAMAGED, THE CONTRACTOR SHALL REPAIR THE POLYETHYLENE ENCASEMENT PER MANUFACTURER'S SPECIFICATIONS AND DOW STANDARD DRAWINGS L-1003 AND L-1004, AT THEIR OWN EXPENSE. ENSURE THAT THE ENTIRE EXPOSED AREA IS COVERED WITH NEW POLYETHYLENE ENCASEMENT AND SECURELY TAPED, PRIOR TO BACKFILLING.

ALL WATER MAIN VALVE BOXES, SERVICE BOXES, TEST STATIONS, PITOMETER TAP STRUCTURES, METER PIT COVERS, AND OTHER SURFACE UTILITY STRUCTURES WITHIN THE DISTURBED AREA SHALL BE ADJUSTED TO GRADE. ANY OF THESE STRUCTURES LOCATED WITHIN PAVEMENT, DRIVEWAYS, OR OTHER TRAVELED AREAS, WHETHER EXISTING OR PROPOSED, SHALL BE EQUIPPED WITH A TRAFFIC RATED, HEAVY DUTY VALVE BOX AND/OR COVER IN ACCORDANCE WITH THE STANDARD DRAWINGS. EXISTING WATER TAP BOXES TO REMAIN THAT ARE ENCOUNTERED WITHIN THE PROJECT LIMITS SHALL BE CLEANED OUT, CENTERED OVER THE CURB STOP, AND ADJUSTED TO THE PROPOSED GRADE.

WHERE NEW CONDUIT IS PROPOSED TO CROSS AN EXISTING OR PROPOSED WATER MAIN OR WATER TAP/SERVICE LINE, A MINIMUM OF 12-INCHES VERTICAL CLEARANCE SHALL BE MAINTAINED BETWEEN THE CONDUIT AND THE WATER MAIN OR TAP SERVICE LINE. A MINIMUM OF 3-FEET OF HORIZONTAL CLEARANCE (OUT TO OUT) IS REQUIRED AT LOCATIONS WHERE THE CONDUIT IS PARALLEL TO THE WATER MAIN AND AT LOCATIONS OF WATER LINE THRUST BLOCKS.

A MINIMUM OF 3 FEET OF HORIZONTAL CLEARANCE (OUT TO OUT) SHALL BE MAINTAINED BETWEEN ALL EXISTING WATER MAINS AND FOUNDATIONS FOR POLES, PULL BOXES, PUSH BUTTON PEDESTALS, AND ANY OTHER MISCELLANEOUS ELECTRICAL STRUCTURE.

IF A LEAD WATER TAP IS ENCOUNTERED AND IS NEITHER DAMAGED NOR PART OF A PLANNED RELOCATION/REPLACEMENT, THE CONTRACTOR SHALL REPORT THE PRESENCE OF THE LEAD TAP TO THE DIVISION OF WATER DISTRIBUTION MAINTENANCE GROUP AT 614-645-7788.

IF A LEAD TAP IS EITHER DAMAGED DURING CONSTRUCTION OR IS PART OF A PLANNED WATER TAP RELOCATION/REPLACEMENT, THE CONTRACTOR SHALL TAKE THE FOLLOWING STEPS:

1. IF DAMAGED, IMMEDIATELY CONTACT LEW FLEMISTER, DIVISION OF WATER, (614-645-7028), TO REQUEST THE SHUT OFF OF THE EXISTING CURB STOP. IF LEW CANNOT BE REACHED, CONTACT THE DIVISION OF WATER DISTRIBUTION ENGINEERING OFFICE AT 614-645-7677 TO REQUEST THE SHUT OFF.
2. CONTRACTOR SHALL EXPOSE THE OWNER'S SIDE OF THE WATER SERVICE TO CONFIRM THE MATERIAL. THE INSPECTOR SHALL BE PRESENT FOR THIS.
3. IF THE CUSTOMER'S PRIVATE SERVICE MATERIAL IS LEAD, STOP WORK AND NOTIFY THE DIVISION OF WATER DISTRIBUTION ENGINEERING OFFICE (614-645-7677) IMMEDIATELY. IF THE MATERIAL IS NOT LEAD, THE CONTRACTOR SHALL REPLACE THE LEAD TAP (FROM EXISTING CORPORATION STOP TO CURB STOP) AND REINSTATE SERVICE TO THE CUSTOMER. PARTIAL REPAIRS OF THE LEAD TAP ARE NOT PERMITTED.
4. REFER TO DIVISION OF WATER STANDARD DRAWINGS L-7102C AND L-9901 FOR INFORMATION ON WATER TAP RELOCATIONS, PLACING NEW CURB STOPS, AND RELOCATING CURB BOXES.

ANY WORK ON THE PRIVATE WATER SERVICE LINE (BETWEEN CURB STOP AND METER) WITH REQUIRE ADDITIONAL INSPECTION BY THE UTILITY METER SERVICES SECTION (FOR 2-INCH AND SMALLER SERVICE LINES) OR THE UTILITY PERMIT OFFICE (FOR 3-INCH AND LARGER SERVICE LINES). FOR 2-INCH AND SMALLER SERVICE LINES, CALL 614-645-8276, AND FOR 3-INCH AND LARGER WATER SERVICE LINES, CALL 614-645-8119, PRIOR TO 1:00 PM FOR SAME DAY INSPECTION.

EXCAVATION OF ROADWAY AND RIGHT-OF-WAY AREAS

ANY CONTRACTOR PERFORMING EXCAVATION, INCLUDING BUT NOT LIMITED TO DISTURBING THE EARTH WITH POWERED OR NON-POWERED EQUIPMENT, DRILLING AND/OR BORING, SHALL CAUSE NOTICE TO BE GIVEN TO THE OHIO UTILITIES PROTECTION SERVICE (OUPS) BY CALLING 811 OR (800) 362-2764, OR ONLINE AT WWW.OUPS.ORG AT LEAST 48 HOURS BUT NOT MORE THAN 10 WORKING DAYS BEFORE EXCAVATING.

UPON NOTIFICATION BY OUPS, THE CITY OF COLUMBUS WILL MARK THE APPROXIMATE LOCATION OF CITY OWNED WATER, SEWER, AND ELECTRIC FACILITIES TO THE BEST OF ITS ABILITY. THE EXCAVATOR SHALL PROTECT AND PRESERVE THE MARKINGS UNTIL THOSE MARKINGS ARE NO LONGER NEEDED.

IF AN EXCAVATION WILL COVER A LARGE AREA AND/OR PROGRESS FROM ONE AREA TO THE NEXT OVER A PERIOD OF TIME, THE EXCAVATOR SHALL COORDINATE THE MARKING OF APPROXIMATE LOCATIONS OF CITY OWNED FACILITIES WITH THE ACTUAL EXCAVATION.

THE CONTRACTOR IS RESPONSIBLE FOR LOCATING ALL CUSTOMER OWNED SERVICE LINES/LATERALS. THE CONTRACTOR SHALL FIELD VERIFY THE HORIZONTAL AND VERTICAL LOCATION OF ANY CITY OR CUSTOMER OWNED MAIN OR SERVICE LINE/LATERALS THAT MAY BE AFFECTED BY THE PROPOSED CONSTRUCTION ACTIVITIES. FIELD VERIFICATION SHALL TAKE PLACE PRIOR TO ANY ACTIVITY THAT MAY JEOPARDIZE THE INTEGRITY OF THE FACILITY AND AT A LOCATION NEAREST THE POINT OF POSSIBLE CONFLICT.

ANY DAMAGES TO CITY OR CUSTOMER OWNED FACILITIES SHOULD FIRST BE REPORTED TO THE UTILITY OWNER THEN IMMEDIATELY NOTIFY THE PROJECT ENGINEER.

ANY REPAIR TO CITY OR CUSTOMER OWNED WATER OR SEWER FACILITIES ARE THE RESPONSIBILITY OF THE CONTRACTOR. SUCH REPAIRS SHALL BE COMPLETED BY A CITY OF COLUMBUS LICENSED SEWER AND/OR WATER CONTRACTOR. REPAIRS TO SEWER FACILITIES SHALL REQUIRE A SEPARATE SEWER PERMIT.

THE CONTRACTOR SHALL MAINTAIN A MINIMUM OF 3' HORIZONTAL AND 1' VERTICAL CLEARANCE FROM THE OUTSIDE DIAMETER OF ALL SEWER AND WATER LINES AND 5' FROM SUPPORTING BLOCKS TO THE NEAREST EDGE OF THE FACILITY BEING PLACED.

THE CONTRACTOR SHALL MAINTAIN A MINIMUM CLEARANCE OF 10' HORIZONTAL AND 5' VERTICAL FROM THE OUTSIDE DIAMETER OF ALL BRICK SEWERS. BRICK SEWERS SHALL NOT BE EXPOSED AS THIS MAY CAUSE A COLLAPSE OF THE SEWER.

PROJECT INSPECTION, PLAN CHANGES & NOTIFICATION

IN ADDITION TO PROJECT INSPECTION PERSONNEL, THE ENGINEER SHALL BE PRESENT TO INSPECT THE INSTALLATION AT ALL NEW NODE CABINETS. ANY CHANGE TO THE PLANS SHALL BE APPROVED BY THE ENGINEER PRIOR TO ITS IMPLEMENTATION.

MATERIAL INFORMATION SUBMITTAL

THE CONTRACTOR SHALL SUBMIT ALL REQUIRED MATERIALS FOR APPROVAL TO THE CITY OF COLUMBUS, DIVISION OF DESIGN AND CONSTRUCTION, TO THE CONSTRUCTION ENGINEER, 1800 E. 17TH AVENUE, COLUMBUS, OHIO 43219. THE MATERIAL SUBMISSION SHALL CONTAIN ONE (1) COMPLETE SET OF CATALOG CUTS, DIAGRAMS, SHOP DRAWINGS, BROCHURES OR OTHER DESCRIPTIVE MATERIAL FOR THE SIGNAL ITEMS THAT THE CONTRACTOR INTENDS TO FURNISH. THE CONTRACTOR SHALL ALSO PROVIDE A DETAILED LIST OF ALL VARIANCES FROM CMSC AND FROM THE SPECIFICATIONS CONTAINED HEREIN FOR EACH NONSPECIFIED ITEM THAT DOES NOT COMPLY 100% WITH THESE SPECIFICATIONS. UNLESS OTHERWISE STATED BY THE CONTRACTOR THE SUPPLIED ITEMS WILL BE CONSIDERED AS BEING IN STRICT ACCORDANCE WITH ALL SPECIFICATIONS, INCLUDING ALL SUPPLEMENTAL SPECIFICATIONS.

THE DOCUMENTS AND MATERIALS SHALL BE SUBMITTED AS A COMPLETE BID ITEM PACKAGE VIA THE CITY OF COLUMBUS'S PROJECT MANAGEMENT SOFTWARE (PMIS). THE CONTRACTOR SHALL REQUEST A PASSWORD FROM THE DIVISION OF DESIGN AND CONSTRUCTION FOR THIS PROJECT AND USE THE FOLLOWING LINK TO ACCESS THE SYSTEM:

HTTPS://ARCADIS.ORIONPMIS.COM/COLUMBUSPMIS/DBIASV4/INDEX.CFM?FUSEACTION=SECURITY.LOGINFORM&RETURNURL=&UNITID=116&PROJECTID=32&FACILITYID=39

VALVE BOXES & OTHER SURFACE STRUCTURES

ALL VALVE BOXES; METER PITS & OTHER UTILITY STRUCTURES SHALL BE ADJUSTED TO GRADE WHERE NEW WALK, PAVERS, CURBS, AND ETCETERA ARE CONSTRUCTED.

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ENVIRONMENTAL COMMITMENTS MADE AND RESOURCES TO BE AVOIDED.

PULLBOXES, CONDUIT, TRAFFIC CABINETS OR OTHER EQUIPMENT SHALL NOT BE INSTALLED WITHIN THE FLOODWAY. WHEN NECESSARY, PULLBOXES, CONDUIT AND TRAFFIC CABINETS MAY BE INSTALLED WITHIN THE FLOODWAY FRINGE PORTION OF THE 100-YEAR FLOODPLAIN. IF ADDITIONAL CONSTRUCTION IN THE FLOODWAY FRINGE BECOMES NECESSARY, THE DESIGN PROJECT MANAGER SHALL REVIEW AND APPROVE THE NEW EQUIPMENT LOCATIONS PRIOR TO THE COMMENCEMENT OF SUCH WORK. ANY CONDUITS INSTALLED ON BRIDGE STRUCTURES SHALL CLEAR THE BASE FLOOD ELEVATION BY AT LEAST 18 INCHES.

ALL WORK SHALL REMAIN IN THE EXISTING RIGHT-OF-WAY, AND EXCAVATION DEPTHS SHALL NOT EXCEED 6 FEET. IF EXCAVATION OF GREATER THAN 6 FEET IN DEPTH BECOMES NECESSARY, THE CITY OF COLUMBUS SHALL BE NOTIFIED AND WILL COORDINATE WITH ODOT-OES TO DETERMINE IF ADDITIONAL ENVIRONMENTAL SITE ASSESSMENT IS WARRANTED PRIOR TO THE COMMENCEMENT OF EXCAVATION ACTIVITES.

WATERSHED PROTECTION

THE WORK ASSOCIATED WITH THIS PROJECT IS BEING PERFORMED WITHIN THE DIRECT DRAINAGE AREA OF A MAJOR DRINKING WATER SUPPLY FOR THE CITY OF COLUMBUS. IT IS ESSENTIAL THAT ALL ACTIVITIES ASSOCIATED WITH THIS WORK BE PERFORMED IN A MANNER CONSISTENT WITH BEST WATERSHED MANAGEMENT PRACTICES INCLUDING, BUT NOT LIMITED TO:

AREAS OF DISTURBED GROUND SHALL HAVE APPROPRIATE EROSION AND SEDIMENT CONTROLS. IF HAZARDOUS/TOXIC MATERIALS INCLUDING BUT NOT LIMITED TO FUELS, OILS, BITUMEN'S PAINTS, SEALANTS, OR OTHER CHEMICALS, ARE STORED ON SITE, THEY SHALL BE STORED IN A DOUBLE-CONTAINMENT MANNER. ALL EQUIPMENT REPAIRS, MAINTENANCE, AND MECHANICAL WORK THAT COULD RESULT IN THE RELEASE OF HAZARDOUS/TOXIC MATERIALS SHALL BE PERFORMED IN AN APPROPRIATELY CONTAINED AREA, PREFERABLY OFF SITE OR AN APPROPRIATE OFF-SITE FACILITY.

IN THE EVENT THAT ANY HAZARDOUS/TOXIC MATERIALS INCLUDING, BUT NOT LIMITED TO FUELS, OILS, BITUMEN'S PAINTS, SEALANTS, OR OTHER CHEMICALS ARE SPILLED INTO THE SCIOTO RIVER OR ITS TRIBUTARIES, THE CONTRACTOR SHALL IMMEDIATELY NOTIFY THE CITY OF COLUMBUS DUBLIN ROAD WATER TREATMENT PLANT AT (614) 645-8297. THE CONTRACTOR SHOULD BE PREPARED TO PROVIDE DETAILED INFORMATION RELATIVE TO THE TYPE AND QUANTITY OF MATERIAL THAT HAS BEEN SPILLED AS WELL AS THE EXACT LOCATION AND THE EXACT TIME AT WHICH THE SPILL OCCURRED.

THE CONTRACTOR SHALL BE SOLELY RESPONSIBLE FOR INFORMING ALL SUBCONTRACTORS AND OTHER AGENTS OF THESE RESPONSIBILITIES, PRECAUTIONS, AND PROHIBITIONS.

STREAM/WETLAND/WATER COURSE AVOIDANCE

NO FILLING, GRADING, OPERATION OR PLACEMENT OF EQUIPMENT OF OTHER WORK SHALL BE PERMITTED BELOW THE ORDINARY HIGH WATER MARK OF ANY STREAM OR OTHER WATER COURSES OR WITHIN ANY WETLANDS UNLESS THE REQUIRED STATE AND/OR FEDERAL PERMITS HAVE BEEN OBTAINED IN ACCORDANCE WITH ALL APPLICABLE STATE AND/OR FEDERAL LAWS AND REGULATIONS. UNDER NO CIRCUMSTANCES SHALL THE CONTRACTOR STORE EQUIPMENT AND/OR MATERIALS IN ANY WETLANDS, STREAMS AND OTHER WATER COURSES OR WITHIN 100-YEAR FLOODPLAIN LIMITS OF ANY WATER COURSES.

WORK OCCURRING AT RAILROAD CROSSINGS

THE CONTRACTOR MUST SECURE ALL NECESSARY PERMITS AND/OR FORMS REQUIRED TO PERFORM WORK AT RAILROAD CROSSINGS AS SHOWN IN THE PLANS. ANY AND ALL COSTS INCURRED FROM THE RAILROAD INCLUDING, BUT NOT LIMITED TO, RIGHT-OF-WAY ENTRY FEES, APPLICATIONS, AND ON SITE RAILROAD INSPECTION FEES ARE THE RESPONSIBILITY OF THE CONTRACTOR AND WILL BE CONSIDERED INCIDENTAL TO THE COST OF ITEM 632: FIBER OPTIC CABLE, MISC.: 144 STRAND CABLE. NOTIFY THE ENGINEER IN WRITING TWO WEEKS PRIOR TO CONTACTING RAILROAD COMPANY, FOR COORDINATION.

COLUMBIA GAS DAMAGE PREVENTION CENTER

FOR INFORMATION CONCERNING COLUMBIA GAS LINES OR EQUIPMENT, OR IF DAMAGE OCCURS TO GAS LINES OR EQUIPMENT THE CONTRACTOR CAN CALL THE COLUMBIA GAS DAMAGE PREVENTION CENTER AT (614) 280-7372 OR TOLL FREE AT (866) 632-6243.

EROSION AND SEDIMENT CONTROL

LAND DISTURBANCE AREAS LESS THAN ONE ACRE AND NOT PART OF A LARGER COMMON PLAN DEVELOPMENT ARE NOT REQUIRED TO SUBMIT TO THE CITY OF COLUMBUS A FULL SCALE EROSION AND SEDIMENT CONTROL PLAN FOR APPROVAL. HOWEVER, THE PROPOSED LAND DISTURBING ACTIVITIES MUST COMPLY WITH ALL OF THE PROVISIONS OF THE DIVISION OF SEWERAGE AND DRAINAGE EROSION AND SEDIMENT CONTROL REGULATION. ALL LAND DISTURBING ACTIVITIES SHALL BE SUBJECT TO INSPECTION AND SITE INVESTIGATION BY THE CITY OF COLUMBUS TO DETERMINE COMPLIANCE WITH CITY STANDARDS AND REGULATIONS. FAILURE TO COMPLY WITH THESE REGULATIONS MAY SUBJECT THE SITE TO ENFORCEMENT ACTION BY THE CITY. QUESTIONS REGARDING EROSION AND SEDIMENT CONTROL MAY BE REFERRED TO THE STORMWATER MANAGEMENT OFFICE AT (614) 645-6311

ON-SITE CONTACT: RYAN BOLLO
PHONE: (614) 645-3946
FAX: (614) 645-7805
E-MAIL: RJBOLLO@COLUMBUS.GOV
SITE IS TRIBUTARY TO: SCIOTO RIVER, OLENTANGY RIVER, ALUM CREEK, BIG WALNUT CREEK

STREET CLEANING (ON AN AS-NEEDED BASIS) IS REQUIRED THROUGH THE DURATION OF THIS CONSTRUCTION PROJECT. THIS INCLUDES SWEEPING, POWER CLEANING AND (IF NECESSARY) MANUAL REMOVAL OF DIRT OR MUD IN THE STREET GUTTERS.

DIRECT DISCHARGE OF SEDIMENT LADEN WATER TO THE CITY'S SEWER SYSTEM OR A RECEIVING STREAM IS A VIOLATION OF OHIO EPA AND CITY OF COLUMBUS REGULATIONS. THE CONTRACTOR WILL BE HELD LIABLE FOR THE VIOLATION AND SUBSEQUENT FINES.

THE USE OF STRAW WATTLES HAS PROVEN TO BE A VERSATILE AND EFFECTIVE ESC BMP, ESPECIALLY IN RESIDENTIAL SETTINGS. STRAW WATTLES MAY BE SUBSTITUTED FOR SILT FENCE. ADDITIONALLY, THE USE OF COMPOST FILTER SOCKS AND COMPOST BLANKETS ARE GAINING WIDER ACCEPTANCE NATIONWIDE. THEY ARE NOW APPROVED FOR USE ON ALL COLUMBUS SWP3 PLANS AND CONSTRUCTION SITES.

WATER QUALITY PROTECTION

NO TOXIC OR HAZARDOUS MATERIALS SUCH AS SEALANTS, SOLVENTS, CLEANING AGENTS, WASTE-WATER, FUELS OR DEBRIS OF ANY KIND SHALL BE DISCHARGED TO ANY STREAMS, DRAINAGE COURSES, OR BODIES OF WATER. NO DEBRIS SHALL BE PLACED WITHIN THE 100-YEAR FLOODPLAIN BOUNDARY OF ANY WATERCOURSE.

THE CONTRACTOR SHALL TAKE GREAT CARE TO MINIMIZE THE POTENTIAL TO CONTAMINATE THE PUBLIC DRINKING WATER SUPPLY. ALL PROJECT RELATED REFUELING AND MAINTENANCE ACTIVITIES SHALL BE PERFORMED IN AN ENVIRONMENTALLY RESPONSIBLE MANNER.

THE CONTRACTOR SHALL TAKE THE APPROPRIATE ACTIONS IN THE EVENT OF A RELEASE AND WILL BE HELD RESPONSIBLE FOR THE CLEAN UP AND REMEDIATION OF ANY AND ALL SPILLS.

FRANKLIN COUNTY

THE CONTRACTOR SHALL SECURE A WRITTEN PERMIT FROM THE FRANKLIN COUNTY ENGINEER'S OFFICE, 970 DUBLIN RD, A MINIMUM OF TWO WORKING DAYS PRIOR TO BEGINNING WORK WITHIN FRANKLIN COUNTY R/W. THE CONTRACTOR MAY BE REQUIRED TO POST A BOND WITH THE FRANKLIN COUNTY ENGINEER PRIOR TO ISSUANCE OF THE PERMIT TO INSURE PROPER RESTORATION OF THE PAVEMENT AND R/W. THE CONTRACTOR SHALL PROVIDE THE FRANKLIN COUNTY ENGINEER'S OFFICE A 24-HOUR TELEPHONE NUMBER TO BE USED IN CASE OF AN EMERGENCY.

CONTACT STEVE BUSKIRK AT 614-525-3063

UNDERGROUND FIBER OPTIC CABLE INSTALLATION

THE QUANTITY FOR INSTALLATION OF UNDERGROUND FIBER OPTIC CABLE (FOC) IS CARRIED TO THE GENERAL SUMMARY AND WAS CALCULATED BY COMBINING UNDERGROUND INSTALLATION ELEMENT QUANTITIES AND WAS DERIVED AS FOLLOWS:

TOTAL LINEAR UNDERGROUND INSTALLATION	=	70,565 FT	(1)
TOTAL UNDERGROUND SLACK	=	5,050 FT	(2)
TOTAL UNDERGROUND SPLICE SLACK	=	7,000 FT	(3)
FIBER OPTIC CABLE, MISC.: UNDERGROUND FIBER OPTIC INSTALLATION	=	SUM(1-3)	
	=	82,615 FT	

POST-CONSTRUCTION STORM WATER POLLUTION PREVENTION PLAN

IN ACCORDANCE WITH THE OHIO ENVIRONMENTAL PROTECTION AGENCY'S GENERAL PERMIT AUTHORIZATION FOR STORM WATER DISCHARGES ASSOCIATED WITH CONSTRUCTION ACTIVITY UNDER THE NATIONAL POLLUTANT DISCHARGE ELIMINATION SYSTEM (PERMIT NO. OHC000004), THIS PROJECT IS CONSIDERED A LINEAR CONSTRUCTION PROJECT, WHICH DOES NOT RESULT IN THE INSTALLATION OF ADDITIONAL IMPERVIOUS SURFACE, AND THEREFORE IS NOT REQUIRED TO COMPLY WITH THE CONDITIONS OF THE POST-CONSTRUCTION STORM WATER MANAGEMENT REQUIREMENTS OF THE PERMIT. HOWEVER, LINEAR CONSTRUCTION PROJECTS SHALL BE DESIGNED TO MINIMIZE THE NUMBER OF STREAM CROSSINGS AND THE WIDTH OF DISTURBANCE AND ACHIEVE FINAL STABILIZATION OF THE DISTURBED AREA.
FINAL STABILIZATION IS DEFINED AS ALL SOIL DISTURBING ACTIVITIES AT THE SITE ARE COMPLETE AND A UNIFORM PERENNIAL VEGETATIVE COVER (E.G., EVENLY DISTRIBUTED, WITHOUT LARGE BARE AREAS) WITH A DENSITY OF AT LEAST 70 PERCENT COVER FOR THE AREA HAS BEEN ESTABLISHED ON ALL UNPAVED AREAS AND AREAS NOT COVERED BY PERMANENT STRUCTURES OR EQUIVALENT STABILIZATION MEASURES (SUCH AS THE USE OF MULCHES, RIP-RAP, GABIONS OR GEOTEXTILES) HAVE BEEN EMPLOYED. IN ADDITION, ALL TEMPORARY EROSION AND SEDIMENT CONTROL PRACTICES ARE REMOVED AND DISPOSED OF AND ALL TRAPPED SEDIMENT IS PERMANENTLY STABILIZED TO PREVENT FURTHER EROSION.

SUMMARY OF POST-CONSTRUCTION STORMWATER CONTROL FACILITIES
POST-CONSTRUCTION SCPS FOR STORM WATER QUANTITY AND QUALITY ARE NOT REQUIRED FOR THE SURFACE DISTURBANCE ON THIS PLAN. THIS PROJECT IS A LINEAR UTILITY IMPROVEMENT WHICH RESULTS IN NO ADDITIONAL IMPERVIOUS AREA AND DOES NOT MEET THE APPLICABILITY REQUIREMENTS OF THE STORM WATER DRAINAGE MANUAL (SWDM).

THE STORM WATER MANAGEMENT FOR THIS PLAN WAS DESIGNED IN ACCORDANCE WITH THE MAY 2021 STORM WATER DRAINAGE MANUAL.

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PID NUMBER: 110521

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CITY OF COLUMBUS TRAFFIC SIGNAL SYSTEM
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CONTRACTOR ACCESS TO EXISTING CONTROL CABINET

WHEN THE CONTRACTOR REQUIRES ENTRANCE TO AN EXISTING CONTROL CABINET, CONTRACTOR MUST PROVIDE THE ENGINEER WITH A MINIMUM NOTICE OF THREE (3) BUSINESS DAYS. A REPRESENTATIVE FROM THE DIVISION OF PLANNING AND OPERATIONS SHALL BE PRESENT ANYTIME THE CONTRACTOR REQUIRES ENTRY INTO AN EXISTING CITY OF COLUMBUS CONTROL CABINET TO PERFORM ANY WORK. THE CONTRACTOR SHALL CONTACT (614) 645-7933 TO MAKE ARRANGEMENTS. THE REPRESENTATIVE SHALL ACT IN A SUPERVISORY AND/OR INFORMATIONAL CAPACITY ONLY UNLESS OTHERWISE STATED IN THESE PLANS. EXISTING CABINET WIRING THAT WAS PREVIOUSLY DISCONNECTED BY THIS DIVISION SHALL BE CONNECTED BY THIS DIVISION IF CONNECTION IS REQUIRED FOR PROPER OPERATION OF THE TRAFFIC SIGNAL. ALL CONTRACTOR INSTALLED CABLE SHALL BE CONNECTED BY THE CONTRACTOR BUT OVERSEEN BY THE DIVISION'S REPRESENTATIVE. THERE IS NO CHARGE FOR THIS REPRESENTATIVE BETWEEN THE HOURS OF 8AM AND 3PM, MONDAY THROUGH FRIDAY. PRIOR TO OR AFTER THESE HOURS AND ON SATURDAYS THE HOURLY CHARGE IS $30 WITH A MINIMUM CHARGE OF $120 ON SATURDAY. SUNDAY HOURLY CHARGE IS $40 WITH A MINIMUM CHARGE OF $160.

DRAINAGE

D100 – STORMWATER FACILITIES: BEFORE ANY WORK IS STARTED ON THE PROJECT AND AGAIN BEFORE FINAL ACCEPTANCE BY THE OWNER, THE ENGINEER AND THE CONTRACTOR SHALL MAKE AN INSPECTION OF ALL EXISTING SEWERS WHICH ARE TO REMAIN IN SERVICE AND WHICH MAY BE AFFECTED BY THE WORK. THE CONDITION OF THE EXISTING CONDUITS AND THEIR APPURTENANCES SHALL BE DETERMINED FROM FIELD OBSERVATIONS. THE ENGINEER SHALL KEEP RECORDS OF THE INSPECTION IN WRITING.

ALL NEW CONDUITS, INLETS, CATCH BASINS, AND MANHOLES CONSTRUCTED OR RECONSTRUCTED AS A PART OF THE PROJECT SHALL BE FREE OF ALL FOREIGN MATTER AND IN A CLEAN CONDITION BEFORE THE PROJECT WILL BE ACCEPTED BY THE OWNER. ALL EXISTING MANHOLES, CATCH BASINS, DRAINS, SEWERS, AND APPURTENANCES INSPECTED INITIALLY BY THE ABOVE MENTIONED PARTIES SHALL BE MAINTAINED AND LEFT IN A CONDITION REASONABLE COMPARABLE TO THAT DETERMINED BY THE ORIGINAL INSPECTION. THE CONTRACTOR SHALL CORRECT ANY CHANGE IN THE CONDITION RESULTING FROM THE CONTRACTOR'S OPERATIONS TO THE SATISFACTION OF THE ENGINEER. THE ABOVE IS NOT APPLICABLE FOR STRUCTURES TO BE ABANDONED. THE CONTRACTOR SHALL REMOVE DEBRIS, SILT, ETC. FROM THE EXISTING MANHOLES AND CATCH BASINS THAT HAVE BEEN AFFECTED BY CONSTRUCTION OPERATIONS. THE CONTRACTOR SHALL MAINTAIN SERVICE IN EXISTING SEWERS DURING CONSTRUCTION.

D101 – EXISTING DRAINAGE SYSTEMS: EXISTING DRAINAGE SYSTEMS (FIELD TILES, ROOF IN OUTLETS, SUMP PUMPS, ETC.) ENCOUNTERED DURING CONSTRUCTION OF THE NEW STORM WERE OR REMOVAL OF EXISTING STORM SEWERS SHALL BE EXTENDED AS NECESSARY AND BLIND TAPPED TO THE NEW STORM SEWER PER DIVISION OF SEWERAGE AND DRAINAGE STANDARD DRAWING AA-S159 OR CONNECTED TO THE CATCH BASIN AS DIRECTED BY THE ENGINEER. ALL COSTS ASSOCIATED WITH THIS WORK SHALL BE INCLUDED IN THE UNIT PRICE BID FOR CMSC ITEM 901.

IF THE CONTRACTOR ENCOUNTERS A PIPE OR CONNECTION TO THE STORM SEWER THAT IN THE ESTIMATE OF THE ENGINEER MAY BE AN ILLICIT CONNECTION FROM AN ON-SITE SEWAGE DISPOSAL SYSTEM, COLUMBUS PUBLIC HEALTH SHALL BE CONTACTED AT 645-6448 TO DETERMINE WHETHER THE PIPE MAY BE RECONNECTED TO THE CITY'S STORM SEWER SYSTEM.

D102 – STORM STRUCTURE ADJUSTMENT: THE CONTRACTOR SHALL FIELD VERIFY THE TOP OF CASTING ELEVATION OF ALL NEW STORMWATER STRUCTURES. IF PRECAST STRUCTURES ARE UTILIZED, THE TOP 6 INCHES MINIMUM SHALL BE FIELD PLACED EITHER WITH GRADE RINGS OR BRICK AND MORTAR TO ALLOW FOR FIELD ADJUSTMENT. THE COST FOR THIS WORK SHALL BE INCLUDED IN THE UNIT PRICE BID FOR THE APPLICABLE CMSC ITEM 604.

IF THE ENGINEER DETERMINES THAT AN INLET IS TOO LOW/HIGH AFTER IT HAS BEEN PLACED AND ROUGH GRADING PERFORMED, THE CONTRACTOR SHALL ADJUST THE INLET AS DIRECTED BY THE ENGINEER AND REGRADE THE AREA ACCORDINGLY. FOR ADJUSTMENTS OF+/- 6 INCHES, THE COST TO ADJUST THE INLET SHALL BE INCLUDED IN THE UNIT PRICE BID FOR THE APPLICABLE CMSC ITEM 604. FOR ADJUSTMENTS GREATER THAN +/- 6 INCHES, THE COST TO ADJUST THE INLET SHALL BE PAID FOR IN THE UNIT PRICE BID FOR CMSC ITEM SPECIAL – INLET ADJUSTED, AS DIRECTED BY ENGINEER, AND SHALL CONSTITUTE FULL PAYMENT FOR ADJUSTING THE INLET INCLUDING GRADE RINGS, CONCRETE SAWING, MORTAR, EXCAVATION, BACKFILL, REGRADING, ETC.

TRENCH IN ROCK

TRENCH IN ROCK WILL BE PERFORMED AT THE DIRECTION OF THE ENGINEER. FOR ANY INSTANCE WHERE THIS WORK IS PERFORMED, THE COST FOR TRENCHING IN ROCK SHALL BE CONSIDERED INCIDENTAL TO THE BID ITEM 625 TRENCH, 36" DEEP, AS PER PLAN.

IT IS ANTICIPATED THAT APPROXIMATELY 2%, OR 1500 FT OF TRENCHING WILL BE LOCATED IN ROCK.

PAVEMENT CUTTING, SAWING AND EXCAVATION OPERATIONS

ALL PUBLIC AGENCIES AND PRIVATE CONTRACTORS PERFORMING PAVEMENT-CUTTING OPERATIONS ON CITY OF COLUMBUS STREETS AND ROADWAYS SHALL PROTECT THE ENVIRONMENT FROM DISCHARGES CREATED BY THEIR PAVEMENT CUTTING OPERATIONS. NOTE THAT COLUMBUS CITY CODE 1145 PROHIBITS NON-STORMWATER DISCHARGE INTO THE CITY OF COLUMBUS SEWER SYSTEM, CURB INLETS AND ANY PART OF ITS MS4 (MUNICIPAL SEPARATE STORM SEWER SYSTEM).

THE REQUIREMENT INCLUDES BUT IS NOT LIMITED TO WET OR DRY SAW-CUTTING, JACK HAMMERING, EXCAVATION EQUIPMENT USE, ETC. THE PUBLIC AGENCY AND/OR PRIVATE CONTRACTOR WORK CREWS SHALL RECOVER AND DISPOSE OF DETRITUS, POLLUTED WATERS, OR OTHER SUCH DISCHARGES RESULTING FROM THEIR PAVEMENT CUTTING OPERATIONS AND PROTECT ALL STORM SEWER INLETS FROM RECEIVING ANY DISCHARGES FROM THE CONSTRUCTION OPERATIONS . THE AGENCY OR CONTRACTOR RESPONSIBLE FOR EACH PAVEMENT CUTTING ACTIVITY SHALL BE SOLELY LIABLE FOR NOTICE OF VIOLATIONS (NOV/S) AND FINES ISSUED BY CITY OF COLUMBUS AND/OR STATE OF OHIO AUTHORITIES.

EQUIPMENT, MATERIALS AND METHODS SHALL BE PROVIDED BY THE RESPONSIBLE PUBLIC AGENCY AND/OR PRIVATE CONTRACTOR TO WORK CREWS PERFORMING THE PAVEMENT CUTTING ACTIVITY AND MADE AVAILABLE TO WORK CREWS FOR USE IN CLEANING UP DISCHARGES RESULTING FROM SUCH CUTTING ACTIVITIES AND PREVENTING RUNOFF. ALL WORK CREWS SHALL BE TRAINED TO EXERCISE AND EMPLOY EQUIPMENT, MATERIALS, AND ENVIRONMENTAL PROTECTIVE MEASURES TO PREVENT POLLUTED DISCHARGES FROM ENTERING THE CITY OF COLUMBUS STORM SEWER SYSTEM AND WATERS OF THE STATE OF OHIO.

THE PUBLIC AGENCY AND/OR PRIVATE CONTRACTOR IS SOLELY RESPONSIBLE FOR ENSURING THAT THE INLET PROTECTION IS ADEQUATE. THE MOST STRINGENT PROJECT PLANS, NOTES AND/OR DRAWINGS INCLUDING STORMWATER POLLUTION PREVENTION PLAN (SWP3)OR SPILL PREVENTION/REMEDIATION PLAN SHALL APPLY TO ALL PAVEMENT CUTTING, SAWING OR EXCAVATION OPERATIONS.

NOTE TO SPECIFICATION WRITERS: IF SWP3 OR SPILL PREVENTION/REMEDIATION PLANS ARE INCLUDED IN CONTRACT DOCUMENTS, THEY SHOULD BE CITED IN THE LAST PARAGRAPH ABOVE BY VOLUME, PAGE OR SHEET NUMBERS; SO DIRECTING THE READER TO SUCH PLAN.

FULL WIDTH PAVEMENT REPAIR

AT LOCATIONS WHERE TRENCHING IN PAVED AREA FOR DISTANCES GREATER THAN 100FT THE CONTRACTOR SHALL REPLACE THE SURFACE COURSE FOR THE FULL WIDTH OF THE LANE IN WHICH THE TRENCH HAS BEEN CONSTRUCTED.

LOCATIONS TO BE DIRECTED BY ENGINEER, CONTINGENCY ITEMS IN PLACE FOR ANY NECESSARY SURFACE COURSE REPLACEMENT.

SEPARATE BID ITEMS HAVE BEEN PROVIDED IN THE DETAILS OF THE PLANS AND CARRIED TO THE GENERAL SUMMARY FOR PAVING ITEMS.
REFER TO COLUMBUS STANDARD DRAWING 1441 FOR DETAILS.

		LOCATION		LENGTH	WIDTH	ITEM 254, PAVEMENT PLANING, 1-1/2" DEEP	ITEM 407, TACK COAT	ITEM 441, ASPHALT CONCRETE SURFACE COURSE, TYPE 1, (448), PG70-22M
	SHEET NO.	FROM	TO	FT	FT	SY	GAL	CY
MORSE RD	169	445+81	451+00	519	26	1500	118	56
MORSE RD	170	451+00	454+17	317	28	987	78	37
FIFTH AVE	198	211+37	213+00	189	20	420	33	16
FIFTH AVE	199	213+00	214+47	173	20	385	31	15
RIVERSIDE DR	288	6+08	7+03	110	24	294	24	11
COLLEGE AVE	361	85+77	87+10	133	17	252	20	10
					TOTAL	3838	304	145

DIVISION OF SEWERAGE AND DRAINAGE UTILITIES

CITY OF COLUMBUS LOCATORS WILL ONLY LOCATE AND MARK MAIN LINE SEWERS. THE CONTRACTOR IS RESPONSIBLE FOR LOCATING ALL SERVICE LATERALS AND FIELD VERIFYING THE LOCATION OF MAIN SEWER LINES. ANY DAMAGE AND/OR REPAIRS TO THE MAIN SEWER LINES OR SERVICE LATERALS ARE THE RESPONSIBILITY OF THE CONTRACTOR. REPAIRS MUST BE COMPLETED BY A LICENSED SEWER CONTRACTOR UNDER A SEPARATE SEWER PERMIT.

THE CONTRACTOR SHALL MAINTAIN A MINIMUM CLEARANCE OF 3' HORIZONTAL AND 1' VERTICAL FROM THE OUTSIDE DIAMETER OF ALL SEWER AND WATER LINES.

JACKING OR DRILLING IN ROCK

JACKING OR DRILLING IN ROCK WILL BE PERFORMED AT THE DIRECTION OF THE ENGINEER. FOR ANY INSTANCE WHERE JACKING OR DRILLING IN ROCK WORK IS PERFORMED, THE COST FOR JACKING OR DRILLING IN ROCK SHALL BE CONSIDERED INCIDENTAL TO THE BID ITEM 625 CONDUIT, JACKED OR DRILLED, 3", AS PER PLAN AND ITEM 625 CONDUIT, JACKED OR DRILLED, 4", AS PER PLAN.

FOR BIDDING PURPOSES IT IS ANTICIPATED THAT APPROXIMATELY 5%, OR 1250 FT OF CONDUIT TO BE JACKED OR DRILLED MAY BE LOCATED IN ROCK.

CONTINGENT QUANTITIES

THE PAY ITEM QUANTITIES IN THE FOLLOWING TABLE ARE CARRIED TO THE GENERAL SUMMARY AND ARE TO BE PERFORMED ONLY AT THE DIRECTION OF THE ENGINEER.

ITEM	QUANTITY	UNIT	DESCRIPTION
202	100	FT	CURB AND GUTTER REMOVED
202	100	FT	CURB REMOVED
202	5,000	FT	EXISTING CONDUIT CLEANED, AS PER PLAN
202	2	EACH	REMOVAL, MISC.: REMOVE EXISTING WOOD POLE
202	200	FT	CONCRETE BARRIER REMOVED
202	400	SF	WALK REMOVED
207	1	LS	ESC/SWP3, AS PER PLAN
254	100	SY	PAVEMENT PLANING, 1-1/2" DEEP
407	9	GAL	TACK COAT
441	5	CY	ASPHALT CONCRETE SURFACE COURSE, TYPE 1, (448), PG70-22M
605	250	EACH	4" PIPE UNDERDRAIN
608	200	SF	4" CONCRETE WALK
608	200	SF	8" CONCRETE WALK
608	4	EACH	CURB RAMP
608	50	SF	DETECTABLE WARNING, TYPE E
609	50	FT	COMBINATION CURB AND GUTTER, TYPE SPECIAL 8"
609	50	FT	COMBINATION CURB AND GUTTER, TYPE STANDARD
609	50	FT	CURB, STRAIGHT 18"
614	200	HR	LAW ENFORCEMENT OFFICER WITH PATROL CAR
622	200	FT	BARRIER, MISC.: MEDIAN BARRIER WALL
625	1	EACH	36" MEDIAN JUNCTION BOX
625	4	EACH	BRACKET ARM, 6', AS PER PLAN
625	100	FT	CONDUIT, 2", AS PER PLAN
625	5,000	FT	CONDUIT, 3", AS PER PLAN
625	500	FT	CONDUIT, 4", AS PER PLAN
625	2,000	FT	CONDUIT, CONCRETE ENCASED, 2-3", 725.051, AS PER PLAN
625	100	FT	CONDUIT, CONCRETE ENCASED, 4-3", 725.051, AS PER PLAN
625	100	FT	CONDUIT, JACKED OR DRILLED, 2", AS PER PLAN
625	2,400	FT	CONDUIT, JACKED OR DRILLED, 3", AS PER PLAN
625	100	FT	CONDUIT, JACKED OR DRILLED, 4", AS PER PLAN
625	750	FT	CONDUIT, MISC.: CONDUIT REPAIR
625	20	EACH	GROUND ROD
625	2	EACH	PULL BOX, 18", 725.06, AS PER PLAN
625	5	EACH	PULL BOX, 18", 725.08, AS PER PLAN
625	4	EACH	PULL BOX, 24", 725.08
625	20	EACH	PULL BOX, CONCRETE 32", AS PER PLAN
625	4	EACH	PULL BOX, CONCRETE 48", AS PER PLAN
625	20	EACH	PULL BOX, MISC.: PULL BOX REPAIRED
625	5	EACH	PULL BOX, REMOVED, AS PER PLAN
625	300	FT	TRENCH IN PAVED AREA, AS PER PLAN
625	3,200	FT	TRENCH, 36" DEEP, AS PER PLAN
632	10	EACH	CONDUIT RISER, 2", 725.04, AS PER PLAN
632	10	EACH	DOWN GUY
632	15,000	FT	INTERCONNECT CABLE, MISC.: FIBER OPTIC CABLE, 144 STRAND
632	500	FT	INTERCONNECT CABLE, MISC.: FIBER OPTIC CABLE, 24 STRAND
632	5,000	FT	INTERCONNECT CABLE, MISC.: FIBER OPTIC CABLE, 288 STRAND
632	250	FT	INTERCONNECT CABLE, MISC.: FIBER OPTIC CABLE, 72 STRAND
632	1,500	FT	INTERCONNECT CABLE, MISC.: FIBER OPTIC DROP CABLE, 24 STRAND
632	1,000	EACH	INTERCONNECT CABLE, MISC.: FIBER OPTIC FUSION SPLICE
632	250	FT	INTERCONNECT CABLE, MISC.: OVERLASH TO EXISTING INTERCONNECT
632	500	FT	INTERCONNECT CABLE, MISC.: REMOVE EXISTING OVERHEAD INTERCONNECT
632	1,000	FT	INTERCONNECT CABLE, MISC.: REMOVE EXISTING UNDERGROUND INTERCONNECT
632	10	EACH	INTERCONNECT CABLE, MISC.: TERMINATION PANEL, 24 FIBER
632	1,100	FT	INTERCONNECT, MISC.: CAT 5E CABLE, OUTDOOR RATED
632	1	EACH	INTERCONNECT, MISC.: DUAL PANEL ASSEMBLY, 24 FIBER, 1 RU, PRE-TERMINATED
632	6	EACH	INTERCONNECT, MISC.: SPLICE ENCLOSURE, DOME, 288 SPLICE
632	5	EACH	INTERCONNECT, MISC.: SPLICE ENCLOSURE, DOME, 800 SPLICE
632	1	EACH	INTERCONNECT, MISC.: TERMINATION PANEL, 288 FIBER, 4 RU
632	5,500	FT	INTERCONNECT, MISC.: UNDERGROUND FIBER OPTIC INSTALLATION
632	6,200	FT	MESSENGER WIRE, 7 STRAND, 1/4" DIAMETER WITH ACCESSORIES, AS PER PLAN
632	2	EACH	SIGNALIZATION, MISC.: CCTV IP-CAMERA SYSTEM
632	5	EACH	SIGNALIZATION, MISC.: CELLULAR ETHERNET COMMUNICATIONS UNIT
632	4	EACH	SPREAD SPECTRUM RADIO, AS PER PLAN
632	1	EACH	STRAIN POLE, DESIGN NO. 6
632	1	EACH	STRAIN POLE FOUNDATION, DESIGN NO. 6
632	100	FT	TETHER WIRE, WITH ACCESSORIES
632	5	EACH	WOOD POLE, CLASS 5, 35 FT
633	1	EACH	CABINET, POWER METER CABINET TYPE 2
633	1	EACH	CABINET, POLE MOUNTED, TYPE TS-2, AS PER PLAN
633	1	EACH	CABINET, GROUND MOUNTED, TYPE TS-2, AS PER PLAN
633	2	EACH	CONTROLLER ITEM, MISC.: CV APPLICATION MODULE
633	15	EACH	CONTROLLER ITEM, MISC.: FIBER OPTIC ETHERNET TRANSCEIVER, SHORT RANGE
633	4	EACH	CONTROLLER ITEM, MISC.: LAYER 2 ETHERNET SWITCH
633	4	EACH	CONTROLLER ITEM, MISC.: POE ENABLED LAYER 2 ETHERNET SWITCH
633	5	EACH	CONTROLLER UNIT, TYPE TS2/A2, AS PER PLAN
807	2	EACH	VALVE BOX ADJUSTED TO GRADE
807	2	EACH	VALVE BOX ADJUSTED TO GRADE USING RISER
SPEC	25	EACH	TOWING PARKED CARS

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CITY OF COLUMBUS TRAFFIC SIGNAL SYSTEM
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PROTECTION OF DRINKING WATER CORRIDOR MANAGEMENT ZONES

THIS PROJECT IS LOCATED IN OR NEAR THE SOURCE OF A PUBLIC DRINKING WATER SUPPLY. IN ORDER TO MINIMIZE THE POTENTIAL TO CONTAMINATE THIS WATER SUPPLY, PROJECT RELATED REFUELING AND MAINTENANCE ACTIVITIES SHALL NOT BE PERFORMED BETWEEN THE STATIONS LISTED IN THE TABLE BELOW. THE CONTRACTOR SHALL IMMEDIATELY TAKE STEPS TO MITIGATE ANY EVENT, SUCH AS SPILL OF FUELS, OILS, OR CHEMICALS THAT COULD THREATEN TO CONTAMINATE THE DRINKING WATER SUPPLY. ANY SUCH SPILL OR EVENT SHALL BE REPORTED IMMEDIATELY TO THE EMERGENCY CONTACT LISTED IN THE TABLE BELOW. IF THE SPILL IS A REPORTABLE AMOUNT, THE CONTRACTOR SHOULD CONTACT THE LOCAL HAZARDOUS MATERIAL RESPONSE TEAM LISTED IN THE TABLE BELOW FOR CLEANUP OF THE SPILL.

		Emergency Contact Information		Local Hazardous Material Response Team	
Street	Stationing	Contact	Phone	Contact	Phone
Sawmill Rd	16+00 to 197+00	City of Columbus	614-645-7788	Franklin County	614-794-0213
Henderson Rd	25+00 to 74+00	Division of Water		Emergency	
Bethel Rd	8+00 to 62+00			Management	
Avery Rd	67+00 to 100+00			*and*	
West Case Rd	0+00 to 45+50			Ohio EPA	800-282-9378
Riverside Dr	390+00 to 393+00			Environmental	
Central College Rd	63+00 to 96+00			Response and	
Trabue Rd	26+00 to 215+00			Revitalization	
Riverside Dr	41+00 to 46+00				
Hilliard-Rome Rd	71+00 to 86+00				
Phillipi Rd	26+00 to 61+00				
Fishinger Blvd	59+00 to 63+00				

FIELD OFFICE

THE CONTRACTOR SHALL FURNISH AND MAINTAIN A FIELD OFFICE, TYPE C, FOR USE BY CITY OF COLUMBUS CONSTRUCTION PERSONNEL, AT A LOCATION TO BE APPROVED BY THE ENGINEER, THROUGHOUT THE DURATION OF THE PROJECT. REFER TO CMSC SECTION 619 FOR DETAILS AND REQUIREMENTS.

ITEM 619 – FIELD OFFICE, TYPE C – 18 MONTHS

RIGHT OF WAY ENCROACHMENTS

DURING THE DESIGN STAGES OF THIS PROJECT, POTENTIAL ENCROACHMENTS INTO PUBLIC RIGHT OF WAY WERE IDENTIFIED. FIELD INVESTIGATION, AND COLUMBUS AND FRANKLIN COUNTY RECORD PLANS WERE USED TO RESEARCH THE POTENTIAL ENCROACHMENTS. LOCATIONS IN QUESTION WERE THEN SURVEYED AND RESEARCHED FURTHER IN ORDER TO DETERMINE WHETHER EASEMENTS OR PROPERTY AGREEMENTS EXISTED. A TABLE OF THOSE ENCROACHMENTS CAN BE FOUND BELOW.

PARCEL NO.	OWNER	CONSTRUCTION PLAN SHEET NO.	R/W PLAN SHEET NO.	AUDITOR'S PARCEL	PROPERTY ADDRESS	REMARKS
	STATE OF OHIO OSU	116		590-159027	2400 CASE RD, COLUMBUS, OH 43235	FENCE
	ROBERT D LAMBERT	159		600-159197	3141 WALLINGFORD AVE, COLUMBUS, OH 43231	UTILITY SHED
	MICHAEL L SMITH	206	757	010-077390	2321 AIRPORT DR, COLUMBUS, OH 43219	PARKING BLOCKS (8). ITEM MARKED DND AND TO REMAIN. NOT WITHIN CONSTRUCTION LIMITS.
	JAMES J SCHMIDT & MARY S SCHMIDT	206	757	010-077393	2345 AIRPORT DR, COLUMBUS, OH 43219	LANDSCAPING STONE. ITEM MARKED DND AND TO REMAIN. NOT WITHIN CONSTRUCTION LIMITS.
	GODFREY F. MENDES	206	757	010-077328	2329 AIRPORT DR, COLUMBUS, OH 43219	RAILROAD TIES. ITEM MARKED DND AND TO REMAIN. NOT WITHIN CONSTRUCTION LIMITS.
	DOMINICAN SISTERS, ST. MARYS OF THE SPRINGS, COLUMBUS, OHIO	206	757	010-077396	2355 AIRPORT DR, COLUMBUS, OH 43219	LANDSCAPING STONES. ITEM MARKED DND AND TO REMAIN. NOT WITHIN CONSTRUCTION LIMITS.
	DOMINICAN SISTERS, ST. MARYS OF THE SPRINGS, COLUMBUS, OHIO	206	757	010-077394	2355 AIRPORT DR, COLUMBUS, OH 43219	RAILROAD TIE. ITEM MARKED DND AND TO REMAIN. NOT WITHIN CONSTRUCTION LIMITS.
2	DOMINICAN SISTERS, ST. MARYS OF THE SPRINGS, COLUMBUS, OHIO	206	758	010-223711	2320 AIRPORT DR, COLUMBUS, OH 43219	STONE PILLAR
2	DOMINICAN SISTERS, ST. MARYS OF THE SPRINGS, COLUMBUS, OHIO	206	759	010-223711	2320 AIRPORT DR, COLUMBUS, OH 43219	FENCING (22')
	HORACE E PERKINS	203	759	010-008469	1039 SUNBURY AVE, COLUMBUS, OH 43219	STONE AND STUMP. ITEM MARKED DND AND TO REMAIN.
	JEFFERY R NOTTINGHAM	203	759	010-008468	1047 SUNBURY AVE, COLUMBUS, OH 43219	BUSHES AND STONES
	RAPHAEL S WONG & DOREEN W WONG	203	759	010-032695	1065 SUNBURY AVE, COLUMBUS, OH 43219	(8) PILLARS AND WALLS
	NARCISA GABRIELA SERRANO & JAMIE FRANCO CALDERON	203	759	010-032693	1071 SUNBURY AVE, COLUMBUS, OH 43219	LANDSCAPING, BLOCK PILLARS AND STONE WALLS
	HENRY KUNZE	203	759	010-035881	1083 SUNBURY AVE, COLUMBUS, OH 43219	STONE WALLS AND LIGHTS
	ZACHERY P HAFFNER & MELISSA L HAFFNER	203	760	010-032692	1095 SUNBURY AVE, COLUMBUS, OH 43219	LANDSCAPING STONES AND BLOCK WALLS
	SEQUOYAH PARKS	203	760	010-032662	1105 SUNBURY AVE, COLUMBUS, OH 43219	STONE WALLS
	REBECCA C CHANDLER	203	760	010-032462	1111 SUNBURY AVE, COLUMBUS, OH 43219	STONE WALLS
	CHEYENNE TAYLOR & PAUL L TAYLOR, SR	203	760	010-032534	1119 SUNBURY AVE, COLUMBUS, OH 43219	RAILROAD TIES
	LAR-JO LTD.	87	762	010-138788	1400 BETHEL RD, COLUMBUS, OH 43220	BUSHES AND PARKING BLOCKS
	CERTIFIED OIL CORPORATION	87	762	010-144409	1401 BETHEL RD, COLUMBUS, OH 43220	PARKING BLOCKS

PROTECTION OF GROUNDWATER SOURCE WATER PROTECTION AREAS – COLUMBUS

THIS PROJECT IS LOCATED WITHIN A PUBLIC DRINKING WATER PROTECTION AREA ESTABLISHED UNDER CHAPTER 1115 UNDER THE CITY OF COLUMBUS CODES. AS SUCH ALL CONSTRUCTION ACTIVITIES FROM STA 220+00 TO STA 250+00 ALONG US 23 MUST BE DONE IN COMPLIANCE WITH CHAPTER 1115. A SPILL PREVENTION CONTROL AND COUNTERMEASURE (SPCC) PLAN MUST BE SUBMITTED AND APPROVED BY WELLFIELD PROTECTION COORDINATOR PRIOR TO COMMENCEMENT OF CONSTRUCTION. THAT PLAN SHALL ENSURE THAT ALL ACTIVITIES ASSOCIATED WITH THIS WORK ARE PERFORMED IN A MANNER CONSISTENT WITH BEST WATERSHED MANAGEMENT PRACTICES, INCLUDING BUT NOT LIMITED TO: APPROPRIATE USE OF EROSION CONTROL/CONTAINMENT OF DISTURBED AREAS; HAZARDOUS/TOXIC MATERIALS INCLUDING FUEL, SHALL ONLY BE STORED ON–SITE AS NECESSARY TO PERFORM THIS WORK, AND IF STORED ON–SITE (WITHIN THE WATERSHED PROTECTION AREA), SHALL BE DOUBLE CONTAINED; ALL EQUIPMENT REPAIRS, MAINTENANCE AND MECHANICAL WORK THAT COULD RESULT IN THE RELEASE OF HAZARDOUS/TOXIC MATERIALS SHALL BE PERFORMED OUTSIDE THE WELLFIELD PROTECTION AREA. THE CONTRACTOR SHALL BE FULLY RESPONSIBLE FOR INFORMING ALL SUBCONTRACTORS AND OTHER AGENTS OF THE REQUIREMENTS OF CHAPTER 1115. ADDITIONALLY, THE CONTRACTOR MUST IMMEDIATELY REPORT ANY SPILLS TO THE WELLFIELD PROTECTION COORDINATOR. IF A SPILL IS ABOVE THE STATE REPORTABLE AMOUNT, THE CONTRACTOR SHOULD ALSO CONTACT THE FRANKLIN COUNTY EMERGENCY MANAGEMENT (614–794–0213) AND THE OHIO EPA ENVIRONMENTAL RESPONSE AND REVITALIZATION (800–282–9378) FOR OVERSIGHT OF THE CLEANUP OF THE SPILL. THE WELLFIELD PROTECTION COORDINATOR FOR THE CITY OF COLUMBUS CAN BE REACHED AT THE WELLFIELD PROTECTION OFFICE, PARSONS AVENUE WATER PLANT, 5600 PARSONS AVENUE, LOCKBOURNE, OHIO 43137; PHONE 614–645–3227; EMAIL REANDREWS@COLUMBUS.GOV.

PROTECTION OF GROUNDWATER SOURCE WATER PROTECTION AREAS – OBETZ

THIS WORK IS BEING PERFORMED WITHIN THE DIRECT DRAINAGE AREA OF A MAJOR DRINKING WATER SUPPLY FOR THE GREATER COLUMBUS METROPOLITAN AREA. IN ORDER TO MINIMIZE THE POTENTIAL TO CONTAMINATE THIS WATER SUPPLY, ALL ACTIVITIES ASSOCIATED WITH THIS WORK ARE TO BE PERFORMED IN A MANNER CONSISTENT WITH BEST WATERSHED MANAGEMENT PRACTICES, INCLUDING BUT NOT LIMITED TO: APPROPRIATE USE OF EROSION CONTROLLER/CONTAINMENT OF DISTURBED AREAS; HAZARDOUS/TOXIC MATERIALS INCLUDING FUEL, SHALL ONLY BE STORED ON–SITE AS NECESSARY TO PERFORM THIS WORK, AND IF STORED ON–SITE (WITHIN THE WATERSHED PROTECTION AREA), SHALL BE DOUBLE CONTAINED; ALL EQUIPMENT REPAIRS, MAINTENANCE AND MECHANICAL WORK THAT COULD RESULT IN THE RELEASE OF HAZARDOUS/TOXIC MATERIALS SHALL BE PERFORMED OUTSIDE THE WATERSHED AREA. PROJECT RELATED REFUELING AND MAINTENANCE ACTIVITIES SHALL NOT BE PERFORMED FROM STA 206+00 TO STA 270+50 ON ALUM CREEK DRIVE. THE CONTRACTOR SHALL IMMEDIATELY TAKE STEPS TO MITIGATE ANY EVENT, SUCH AS SPILL OF FUELS, OILS, OR CHEMICALS, THAT COULD THREATEN TO CONTAMINATE THE DRINKING WATER SUPPLY. ANY SUCH SPILL OR EVENT SHALL BE REPORTED IMMEDIATELY TO:

MARTY RYAN, VILLAGE OF OBETZ: 614–496–6770
TODD GARWICK, VILLAGE OF OBETZ: 614–409–4414

IF THE SPILL IS A REPORTABLE AMOUNT, THE CONTRACTOR SHOULD CONTACT THE MADISON TOWNSHIP FIRE DEPARTMENT HAZARDOUS MATERIAL RESPONSE TEAM AT 614–837–7883 FOR CLEAN–UP OF THE SPILL.

THE CONTRACTOR SHALL BE FULLY RESPONSIBLE FOR INFORMING ALL SUBCONTRACTORS AND OTHER AGENTS OF THESE RESPONSIBILITIES, PRECAUTIONS, AND PROHIBITIONS.

SCENIC RIVER COMMITMENTS

THE OLENTANGY RIVER IS DESIGNATED A STATE SCENIC RIVER FROM THE OLD WILSON BRIDGE ROAD IN WORTHINGTON (WITHIN THE PROJECT LIMITS) TO JUST BELOW THE DELAWARE DAM IN DELAWARE (NORTH OF THE PROJECT LIMITS).

THE CONTRACTOR SHALL NOT DISCHARGE TOXIC OR HAZARDOUS MATERIALS SUCH AS SEALANTS, PAINT, SOLVENTS, CLEANING AGENTS, EARTHEN MATERIALS, WASTE–WATER, FUELS OR DEBRIS OF ANY KIND TO A SCENIC RIVER, ITS TRIBUTARIES, OR DRAINAGE WAYS. IF REFUELING OF IMMOBILE EQUIPMENT IS NECESSARY WITHIN THE FLOODPLAIN OR NEAR ANY TRIBUTARY DRAINAGE WAYS, DITCHES, OR STREAM, THE CONTRACTOR SHALL PROVIDE SECONDARY CONTAINMENT WITH ENOUGH CAPACITY TO COMPLETELY CONTAIN AND COLLECT ALL POTENTIAL LIQUID WASTES IN THE EVENT OF A SPILL.

ANY AND ALL CONSTRUCTION DEBRIS, EARTHEN DEBRIS, EXCESS ASPHALT OR CONCRETE, WOOD DEBRIS FROM CLEARING, EXCESS FILL MATERIAL, AND TRASH SHOULD BE DISPOSED OF AT AN APPROVED UPLAND SITE OR LAND FILL ABOVE FEMA 100–YEAR FLOOD ELEVATIONS. DISPOSAL OF ANY SUCH MATERIALS WITHIN 1000 FEET OF THE OLENTANGY RIVER IS PROHIBITED.

IN ACCORDANCE WITH ORC 3750.06, REPORTABLE SPILLS MUST BE REPORTED TO THE LOCAL FIRE DEPARTMENT (911); THE LOCAL EMERGENCY COORDINATOR (740–368–1911 (DELAWARE COUNTY) OR 614–794–0213 (FRANKLIN COUNTY)), AND THE OHIO SPILL LINE (1–800–282–9378).

THE CONTRACTOR SHALL KEEP ALL IDLE EQUIPMENT, FUELS, LUBRICANTS, AND ANY STORAGE FOR/OF POTENTIALLY TOXIC OR HAZARDOUS MATERIALS OUT OF THE FEMA DESIGNATED SPECIAL FLOOD HAZARD AREA AND NOT WITHIN 1000 FEET OF THE STATE SCENIC RIVER SECTION OF THE OLENTANGY RIVER.

THE CONTRACTOR SHALL NOTIFY THE PROJECT ENGINEER 40 DAYS PRIOR TO WORK WITHIN 1000 FEET OF THE STATE SCENIC RIVER SECTION OF THE OLENTANGY RIVER. THE PROJECT ENGINEER SHALL NOTIFY THE DISTRICT ENVIRONMENTAL COORDINATOR 35 DAYS PRIOR TO WORK WITHIN 1000 FEET OF THE STATE SCENIC RIVER SECTION OF THE OLENTANGY RIVER. IF COORDINATION WITH ODNR HAS NOT ALREADY OCCURED, AND THE PROJECT REQUIRES NOTIFICATION TO THE SCENIC RIVER MANAGER PRIOR TO CONSTRUCTION PER THE SCENIC RIVER MOA, THE DISTRICT ENVIRONMENTAL COORDINATOR SHALL COORDINATE WITH ODNR SCENIC RIVERS 30 DAYS PRIOR TO ANY WORK WITHIN 1000 FEET OF STATE SCENIC RIVER SECTION OF THE OLENTANGY RIVER.

THE CONTRACTOR SHALL DEVELOP AND IMPLEMENT A SWPPP, PER CITY OF COLUMBUS CMS SECTION 207, BEFORE EARTHWORK COMMENCES. SEDIMENT AND EROSION CONTROLS SHALL BE PROPERLY INSTALLED AND MAINTAINED THROUGHOUT THE DURATION OF THE PROJECT. STRAW BALES SHALL NOT BE PERMITTED AS A FORM OF SEDIMENT CONTROL. ENSURE TIMELY ADHERENCE TO THE GENERAL CONSTRUCTION PERMIT FOR ALL SEDIMENT AND EROSION CONTROLS, INCLUDING SEEDING AND MULCHING. PARTICULAR ATTENTION SHALL BE GIVEN TO ANY DRAINAGE WAYS, UNPROTECTED SLOPES, DITCHES AND STREAMS THAT COULD CONVEY SEDIMENT LADEN WATERS DIRECTLY TO THE STATE SCENIC RIVER SECTION OF THE OLENTANGY RIVER.

WHEN CUTTING AND CLEARING OF ANY VEGETATION WITHIN 1000 FEET OF THE STATE SCENIC RIVER SECTION OF THE OLENTANGY RIVER, THE CONTRACTOR SHALL LIMIT THE AMOUNT OF VEGETATION BEING CLEARED TO THE ABSOLUTE MINIMUM NECESSARY TO ACCOMPLISH THE GOAL OF THE PROJECT. VERTICAL PRUNING OF TREES IS PERMITTED IF ANY OVERHANGING LIMBS CAUSE A SAFETY HAZARD OR OBSTRUCT VIEW. THE CONTRACTOR SHALL NOT USE A FLAIL MOWER FOR VERTICAL PRUNING. THE CONTRACTOR MUST AVOID GIRDLING OR SCUFFING TREE TRUNKS.

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GENERAL NOTES SHEET
6 OF 11

CITY OF COLUMBUS TRAFFIC SIGNAL SYSTEM
(CTSS) PHASE F – FINAL SUBMITTAL

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ITEM 614 – MAINTAINING TRAFFIC, LUMP SUM AS PER PLAN

IN ADDITION TO THE REQUIREMENTS OF ITEM 614 MAINTAINING TRAFFIC, THE FOLLOWING REQUIREMENTS SHALL ALSO APPLY:

TEMPORARY TRAFFIC CONTROL

1. ALL TEMPORARY TRAFFIC CONTROL (TTC) DEVICES SHALL BE FURNISHED, ERECTED, MAINTAINED AND REMOVED BY THE CONTRACTOR IN ACCORDANCE WITH THE OHIO MANUAL OF UNIFORM TRAFFIC CONTROL DEVICES FOR STREETS AND HIGHWAYS (CURRENT EDITION). COPIES ARE AVAILABLE FROM THE OHIO DEPARTMENT OF TRANSPORTATION, OFFICE OF CONTRACTS, 1980 WEST BROAD STREET, COLUMBUS, OHIO 43223. NOTE: ALL DEVICES SHALL COMPLY, FOR CONDITION AND LOCATION, WITH THE CURRENT EDITION OF THE NCHRP 350 AND MASH CRASH TESTING GUIDELINES.

2. CONSTRUCTION OPERATIONS SHALL NOT BEGIN UNTIL ALL TRAFFIC CONTROL IS IN PLACE AND APPROVED BY THE DEPARTMENT OF PUBLIC SERVICE INSPECTOR. IF THE CONTRACTOR DOES NOT COMPLY WITH THE STANDARDS, INCLUDING THE INSTALLATION OF TEMPORARY PAVEMENT MARKINGS AND THE REMOVAL OF CONFLICTING TRAFFIC CONTROLS, THEIR PERMIT SHALL BE REVOKED AND ALL WORK SHALL BE TERMINATED. TEMPORARY PAVEMENT MARKINGS TO INCLUDE, BUT NOT LIMITED TO, CHANNELIZING LINES, EDGE LINES, AND CENTERLINES SHALL BE INSTALLED AND MAINTAINED ON ALL CONSTRUCTION OPERATIONS LASTING A MINIMUM OF 14 CALENDAR DAYS OR AS DIRECTED BY THE TEMPORARY TRAFFIC CONTROL COORDINATOR OR THE PROJECT ENGINEER.

3. THE CONTRACTOR SHALL GIVE ADVANCE NOTIFICATION (WRITTEN AND VERBALLY) TO THE TEMPORARY TRAFFIC CONTROL COORDINATOR AT 614-645-0355 OR 614-645-5845 & THE DIVISION OF REFUSE COLLECTION'S OPERATION MANAGER AT 614-645-1675, WRITTEN NOTIFICATION TO PAVING THE WAY AT PAVINGTHEWAY@MORPC.ORG OR VERBAL TO (614)233-4200 , PROJECT ENGINEER, AND THE SENIOR SERVICE PLANNER OF COTA AT 614-308-4373 OR FAX 614-275-5933, INFORMING THEM OF ALL UPCOMING MAINTENANCE OF TRAFFIC CHANGES ON A WEEKLY BASIS. NOTIFICATION SHALL INCLUDE, BUT NOT BE LIMITED TO, WHAT, WHERE, WHEN, AND HOW PEDESTRIAN AND VEHICULAR TRAFFIC WILL BE AFFECTED, AND THE TEMPORARY TRAFFIC CONTROL PROCEDURES THE CONTRACTOR IS PLANNING TO USE. THE TYPE OF TRAFFIC CHANGE SHALL DETERMINE THE LENGTH OF ADVANCE NOTIFICATION REQUIRED

TYPE OF CHANGE	ADVANCE NOTIFICATION NEEDED
DETOURS/ROADCLOSURES	30-DAY NOTIFICATION PRIOR TO CLOSURE.
LANE CLOSURES LASTING 2 WEEKS OR MORE	2-WEEKS
LANE CLOSURES OF LESS THAN 2 WEEKS	3-DAYS
LANE CLOSURES OF 2 DAYS OR LESS	1-DAY

THE COTA SENIOR SERVICE PLANNER SHALL BE CONTACTED 30 DAYS PRIOR TO ANY PLANNED CLOSURE ON ASSIGNED COTA ROUTES. ANY OTHER UNFORESEEN IMPACTS TO TRAFFIC SHALL BE IMMEDIATELY REPORTED AS THEY OCCUR.

4. THE CONTRACTOR SHALL BE RESPONSIBLE FOR THE PROTECTION AND SAFE MOVEMENT OF PEDESTRIANS THROUGH, AROUND, OR DETOURED AWAY FROM THE CONSTRUCTION SITE. TRAFFIC CONTROL FOR PEDESTRIAN MOVEMENT SHALL BE AS PER CITY OF COLUMBUS CONSTRUCTION AND MATERIAL SPECIFICATIONS, CITY OF COLUMBUS STANDARD CONSTRUCTION DRAWINGS, AND FIGURES 6H-28 (TA-28) AND 6H-29 (TA-29) OF PART VI OF THE OHIO MANUAL OF UNIFORM TRAFFIC CONTROL DEVICES. WHEN NOT SHOWN ON A SIGNED PLAN, ALL SIDEWALK DIVERSIONS AND TEMPORARY MID-BLOCK CROSSINGS SHALL BE PRE-APPROVED BY THE PROJECT ENGINEER OR THE TEMPORARY TRAFFIC CONTROL COORDINATOR. ACCESS FOR PEDESTRIAN AND VEHICULAR TRAFFIC TO ALL ADJOINING PROPERTIES SHALL BE MAINTAINED AT ALL TIMES.

5. MAINTAINING TRAFFIC DURING HOLIDAYS AND SPECIAL EVENTS
NO WORK SHALL BE PERFORMED AND ALL EXISTING LANES SHALL BE OPEN TO TRAFFIC DURING DESIGNATED HOLIDAYS OR SPECIAL EVENTS INCLUDING THE OHIO STATE FOOTBALL HOME GAMES. THE PERIOD OF TIME THAT THE LANES ARE TO BE OPEN DEPENDS ON THE DAY OF THE WEEK ON WHICH THE HOLIDAY OR EVENT FALLS. CONTACT THE CITY OF COLUMBUS TEMPORARY TRAFFIC CONTROL COORDINATOR, 614-645-5845 OR CELL, 614-332-7472 FOR EVENT DATES, LOCATIONS, AND SCHEDULE. HOLIDAYS WILL CONSIST OF CHRISTMAS, NEW YEARS, FOURTH OF JULY-RED, WHITE AND BOOM FIREWORKS NIGHT (6:00AM-12MIDNIGHT), MEMORIAL DAY, LABOR DAY, AND THANKSGIVING. RED, WHITE AND BOOM, FIREWORKS CELEBRATION AND A MINIMUM OF ONE DAY PRIOR TO FIREWORKS NIGHT SHALL REQUIRE ALL TEMPORARY TRAFFIC CONTROL DEVICES TO BE REMOVED FROM THE PROJECT AREA AND PLACE EITHER IN A PRE-DETERMINED LOCATION APPROVED BY THE TEMPORARY TRAFFIC CONTROL COORDINATOR OR COMPLETELY REMOVED FROM THE SITE.

6. THE CONTRACTOR SHALL CONTACT THE CITY OF COLUMBUS TEMPORARY TRAFFIC CONTROL COORDINATOR FOR ANY ADDITIONAL MOT REQUIREMENTS FOR SPECIAL EVENTS, INCLUDING OSU FOOTBAL HOME GAMES.

7. THE CONTRACTOR SHALL MAINTAIN ALL PERMANENT TRAFFIC CONTROLS NOT IN CONFLICT WITH THE TEMPORARY TRAFFIC CONTROLS THROUGHOUT THIS PROJECT. PERMANENT TRAFFIC CONTROLS MAY BE TEMPORARILY RELOCATED OR COVERED, AS APPROVED BY THE ENGINEER. THE CONTRACTOR SHALL ASSUME ALL LIABILITY FOR MISSING, DAMAGED, OR IMPROPERLY PLACED SIGNS.

8. ANY WORK DONE BY THE DEPARTMENT OF PUBLIC SERVICE, INCLUDING INSTALLATION, RELOCATION, REMOVAL AND/OR REPLACEMENT OF TEMPORARY TRAFFIC CONTROL DEVICES AS A RESULT OF WORK DONE BY THE CONTRACTOR OR AS A RESULT OF NEGLIGENCE OF THE CONTRACTOR, SHALL BE AT THE CONTRACTORS' EXPENSE.

9. THE ROADWAY SHALL NOT BE OPENED TO NON-CONSTRUCTION TRAFFIC UNTIL THE CRITICAL PERMANENT TRAFFIC CONTROLS ARE IN PLACE, OR UNTIL TEMPORARY TRAFFIC CONTROLS APPROVED BY THE ENGINEER, ARE INSTALLED. THE CRITICAL PERMANENT TRAFFIC CONTROLS ARE STOP, YIELD, ONE – WAY, DO NOT ENTER, RESTRICTED TURN SIGNS AND ALL STREET NAME SIGNS. OTHER CRITICAL SIGNS MAY BE NOTED ON THE PLANS AS WELL. THE CONTRACTOR ASSUMES ALL LIABILITY FOR THE PREMATURE REMOVAL OF TEMPORARY TRAFFIC CONTROLS.

10. PORTABLE CHANGEABLE MESSAGE SIGNS (PCMS) SHALL BE INSTALLED A MINIMUM OF 7 DAYS PRIOR TO CLOSURE OF A ROADWAY. THE MESSAGE SHALL ADVISE THE MOTORIST OF THE DATES, TIMES, AND DURATION OF THE CLOSURE. THE PCMS SHALL REMAIN IN PLACE FOR 7 DAYS AFTER THE START OF THE CLOSURE.

11. WHEN NOT INCLUDED IN A SIGNED PLAN, A TTC PLAN (TTCP) INCLUDING PEDESTRIAN CONTROL SHALL BE SUBMITTED TO THE TTC COORDINATOR AT 614-645-0355 OR 614-645-5845 AT THE PRE-CONSTRUCTION MEETING OR A MINIMUM OF TEN (10) WORKING DAYS PRIOR TO BEGINNING WORK FOR APPROVAL. COPIES OF THE APPROVED TTCP SHALL BE GIVEN TO THE PROJECT ENGINEER AND KEPT ON SITE ALONG WITH THE STREET CLOSURE/OCCUPANCY PERMIT.

12. TYPE C STEADY-BURN OR TYPE D 360-DEGREE STEADY-BURN WARNING LIGHTS SHALL BE REQUIRED ON ALL BARRICADES, DRUMS, AND SIMILAR TRAFFIC CONTROL DEVICES IN USE AT NIGHT. ONLY 42□REFLECTORIZED CHANNELIZING DEVICES (CONES) SHALL BE PERMITTED FOR NIGHTTIME WORK WITH THE APPROVAL OF THE TTC COORDINATOR AT 614-645-0355 OR 614-645-5845 PER O.D.O.T. STANDARDS.

13. A FLASHING ARROW PANEL (48" X 96"-TYPE C) SHALL BE USED IN LANE CLOSURES AS PER THE OHIO MANUAL.

14. ALL TRENCHES WITHIN THE ROAD RIGHT OF WAY SHALL BE BACKFILLED OR SECURELY PLATED PER (CITY OF COLUMBUS GENERAL POLICY ON STEEL PLATE USAGE DATED 11/15/2006 AND STD. DWG. 1441, LATEST EDITION) DURING NON-WORKING HOURS.

15. THE DEPARTMENT OF PUBLIC SERVICE WILL REMOVE OR COVER ALL PARKING METER HEADS PUT OUT OF SERVICE BY THIS PROJECT. THERE IS A $60.00 DOLLAR CHARGE FOR THE REMOVAL AND REINSTALLATION OF EACH METER. IN ADDITION, A DAILY METER FEE WILL BE CHARGED FOR ALL ENFORCEMENT HOURS FOR EACH METER TAKEN OUT OF SERVICE, SEE THE PARKING METER OUT OF SERVICE FEES NOTE. THESE CHARGES WILL BE COLLECTED FROM THE CONTRACTOR IN ADVANCE WITH THE ISSUANCE OF THE STREET OCCUPANCY/EXCAVATION PERMIT FROM THE DEPARTMENT OF PUBLIC SERVICE'S PERMIT OFFICE. (614-645-7497) THE MANAGER OF PARKING SERVICES SUPPORT (614-645-7890) SHALL BE NOTIFIED A MINIMUM OF FORTY-EIGHT (48) HOURS (EXCLUDING SAT, SUN, & HOLIDAYS) PRIOR TO BEGINNING WORK. CALL 614-645-8376 IF UNABLE TO MAKE CONTACT THROUGH THE PRIOR PHONE NUMBER.

16. FOR MOBILE PAYMENT ONLY ZONES, PLEASE REVIEW THE POSTED MOBILE PAYMENT ZONE SIGN AND PROVIDE THE MOBILE PAYMENT ZONE NUMBER FOR THE PARKING SPACE(S) THAT WILL BE REMOVED FROM SERVICE. IF "TICK-MARKS" ARE INCLUDED WITHIN THE PARKING ZONE, THEN COUNT THE NUMBER OF SPACES NEEDED TO BE OUT OF SERVICE. IF NO "TICK-MARKS" ARE WITHIN THE PARKING ZONE, THEN CALCULATE THE NUMBER OF "SPACES" NEEDED BY USING 20 FEET PER SPACE. ONCE ALL THE INFORMATION LISTED ABOVE HAS BEEN COLLECTED FOR THE PAID PARKING TO BE REMOVED FROM SERVICE, CONTACT THE CITY OF COLUMBUS, DIVISION OF PARKING SERVICES AT PARKINGSERVICES@COLUMBUS.GOV FOR ASSISTANCE WITH ESTIMATING THE DAILY PAID PARKING REVENUE RATE. PROVIDE THE PROJECT LOCATION IN THE SUBJECT LINE OF THE EMAIL. PLEASE NOTE, IN THE SPRING/SUMMER OF 2020, THE ONLINE METER MAP WILL ALSO INCLUDE THE HOURLY RATE FOR MOBILE PAYMENT ZONES. THIS COST IS TO BE INCLUDED IN THE BID FOR THIS PROJECT AS A PART OF ITEM 614 MAINTENANCE OF TRAFFIC, LUMP SUM. AT THE TIME THE CONTRACTOR SUBMITS FOR THE STREET OCCUPANCY/EXCAVATION PERMIT, ALONG WITH THE PAID PARKING IDENTIFICATION NUMBERS TO BE INCLUDED ON THE PERMIT REQUEST FORM, THE CONTRACTOR IS TO PROVIDE A LISTING OF THE METER IDENTIFICATION NUMBERS AND/OR MOBILE PAYMENT ONLY ZONE NUMBERS AND THE NUMBER OF DAYS THAT EACH PAID PARKING SPACE IS TO BE OUT OF SERVICE, TO THE DEPARTMENT OF PUBLIC SERVICE PERMIT OFFICE. THE PERMIT OFFICE WILL VERIFY THAT THE HOURLY RATES ARE CORRECT AND CALCULATE THE COST OF THE PERMIT.

17. TEMPORARY "EMERGENCY NO PARKING" SIGNS SHALL BE INSTALLED AT 50' C/C MINIMUM BY USE OF ANY OF THE FOLLOWING ITEMS: EXISTING SIGN POSTS, EXISTING UTILITY POLES, DRUMS AND/OR 42"CONES AND REMOVED BY THE CONTRACTOR IN AREAS WITH NO PARKING METERS. THE SIGNS SHALL HAVE THE INSTALLATION DATE, WORKING DATES, AND HOURS OF RESTRICTION SHOWN ON EACH SIGN. THESE SIGNS MAY BE OBTAINED FROM THE DEPARTMENT OF PUBLIC SERVICE'S PERMIT OFFICE. THE POLICE DIVISION REQUIRES THE "EMERGENCY NO PARKING" SIGNS BE POSTED A MINIMUM OF SEVENTY-TWO (72) HOURS PRIOR TO ANY VEHICLES BEING TOWED. WITHIN TWENTY-FOUR (24) HOURS OF POSTING, THE CONTRACTOR SHALL SUPPLY THE DEPARTMENT OF PUBLIC SERVICE WITH A WRITTEN RECORD OF POSTED LOCATIONS (FAX: 614-645-3298).

18. THE CONTRACTOR SHALL CONTACT OHIO UTILITY PROTECTION SERVICE (OUPS) TO LOCATE AND MARK ALL UNDERGROUND TRAFFIC CONTROL CABLES PRIOR TO THE BEGINNING OF ANY WORK WITHIN 450 FEET OF ANY SIGNALIZED INTERSECTION(S) OR WITHIN ANY POSTED AREA WHERE THE DEPARTMENT HAS UNDERGROUND CABLE. THE SIGNAL OPERATION ENGINEER (614-645-6418) SHALL BE NOTIFIED SIX (6) WEEKS IN ADVANCE FOR SIGNAL REVISIONS OR POLE RELOCATIONS.

19. NO EXCAVATION SHALL BE MADE WITHIN FIVE (5) FEET OF ANY FOUNDATION THAT SUPPORTS SIGNAL POLES, TRAFFIC SIGNAL DISPLAYS OR SIGNS BY MAST ARM OR SIGNAL SPAN. EXCAVATION WITHIN EIGHT (8) FEET, BUT MORE THAN FIVE (5) FEET SHALL REQUIRE ADDITIONAL SUPPORT (DOWN GUY, HEAD GUY, BASE GUY, ETC.). THE CONTRACTOR SHALL CONTACT SIGNAL OPERATION PERSONNEL AT 614-645-0423(CELL 614-419-4501) AT LEAST FORTY-EIGHT (48) HOURS (EXCLUDING SAT. & SUN.) PRIOR TO THE BEGINNING OF SUCH EXCAVATION SO THAT THE CITY CAN APPROVE THE STABILIZATION SETUP BY THE CONTRACTOR. IF UNABLE TO MAKE CONTACT THROUGH ABOVE NUMBERS, CALL 614-645-7393. STABILIZATION WILL BE DONE BY THE CONTRACTOR AT THE OWNERS'/CONTRACTING AGENCY'S EXPENSE.

20. SIGNAL CONDUIT CLEARANCE 3' HORIZONTAL AND 1' VERTICAL FROM ADJACENT UTILITIES SHALL BE MAINTAINED AT ALL TIMES.

21. WHEN ANY TRAFFIC CONTROL DEVICE, CONDUIT, OR CABLE IS DAMAGED, THE CONTRACTOR SHALL NOTIFY SIGNAL OPERATION PERSONNEL AT 614-645-0423 (CELL 614-419-4501) BETWEEN 7:00 AM AND 4:00 PM, MONDAY THROUGH FRIDAY. IF UNABLE TO MAKE CONTACT THROUGH THE OTHER NUMBERS, CALL 614-645-7393.

22. THE ROADWAY OR ANY SECTION OF ROADWAY SHALL NOT BE OPENED TO NON-CONSTRUCTION TRAFFIC UNTIL ALL TEMPORARY, NON-REFLECTIVE, BLACKOUT TAPE HAS BEEN COMPLETELY REMOVED FROM NON-CONFLICTING PERMANENT PAVEMENT MARKINGS FOR THAT AREA OF THE ROADWAY, OR UNLESS OTHERWISE DIRECTED IN WRITING BY THE ENGINEER. THIS IS SUPPLEMENTAL TO CITY OF COLUMBUS, CMS-614.11- G, AND SHALL BE PAID FOR THROUGH THE 614-LUMP SUM.

23. WHENEVER YELLOW CENTERLINES OR TURN-LANE LINES ARE PAVED OVER, REMOVED, OR OTHERWISE UNSERVICEABLE, THE CONTRACTOR SHALL INSTALL CLASS II TEMPORARY STRIPING (MINIMUM 4' LONG SEGMENTS). TEMPORARY PAINT SHALL BE USED ON ALL MILLED SURFACES. TEMPORARY TAPE SHALL BE USED ON ALL FINAL COURSES OF ASPHALT. PAINT OR TAPE MAY BE USED ON INTERMEDIATE COURSES OF ASPHALT. IF APPROVED BY THE ENGINEER, DRUMS WITH STEADY BURNING TYPE C OR TYPE D 360 DEGREE WARNING LIGHTS AND "KEEP RIGHT" SIGNS MAY BE SUBSTITUTED FOR CENTERLINE MARKINGS.

24. CLASS II TEMPORARY STRIPING (MINIMUM 4' LONG SEGMENTS) SHALL BE AS PER ITEM 614 – WORK ZONE PAVEMENT MARKING AND SHALL BE PLACED WITHIN ONE (1) FOOT LONGITUDINAL TOLERANCE OF THE PERMANENT STRIPE(S). ALL TEMPORARY STRIPING NOT TO WITHIN ONE (1) FOOT TOLERANCE SHALL BE REMOVED AND REPLACED IN THE PROPER LOCATION BY THE CONTRACTOR. CLASS II TEMPORARY STRIPING SHALL BE OF THE APPROPRIATE COLOR AND SPACED A MAXIMUM OF FORTY (40) FEET CENTER TO CENTER.

25. ALL COSTS THAT CONSIST OF MAINTAINING AND PROTECTING VEHICULAR AND PEDESTRIAN TRAFFIC ACCORDING TO THE LATEST EDITION OF THE CITY OF COLUMBUS CONSTRUCTION AND MATERIAL SPECIFICATIONS, THE OHIO MANUAL OF UNIFORM TRAFFIC CONTROL DEVICES FOR STREETS AND HIGHWAYS (OMUTCD), AND PER THE REQUIREMENTS DESIGNATED IN THE PLAN INCLUDING ALL LAW ENFORCEMENT OFFICER (LEO) AND FLAGGER HOURS SHALL BE INCLUDED IN THE LUMP SUM ITEM 614.
IN ADDITION TO THE REQUIREMENTS HEREIN, AND THE LATEST EDITION OF THE OHIO MANUAL OF UNIFORM TRAFFIC CONTROL DEVICES, A UNIFORMED LAW ENFORCEMENT OFFICER (LEO) SHALL BE PROVIDED FOR CONTROLLING TRAFFIC UNDER THE FOLLOWING CONDITIONS:

- WORK WITHIN A SIGNALIZED INTERSECTION, DEFINED AS THE AREA BOUNDED BY THE REAR X-WALK LINES
- WHEN FLAGGING WITHIN THE INTERSECTION OF TWO ARTERIAL ROADWAYS
- WHEN SPECIFIED IN THE MAINTENANCE OF TRAFFIC PLAN OR AS WHEN DIRECTED BY THE PROJECT ENGINEER
- WHEN SHIFTING TRAFFIC LEFT OF CENTER, THROUGH A SIGNALIZED INTERSECTION, WITHOUT SHIFTING SIGNAL HEADS

A FLAGGER SHALL BE UTILIZED TO ASSIST IN CONTROLLING TRAFFIC WHILE EQUIPMENT IS ENTERING OR EXITING AN INTERSECTION OR WORK ZONE. THE CONTRACTOR MAY UTILIZE HIS OWN FLAGGER OR LEO UNDER PAY ITEM 614 MAINTAINING TRAFFIC, LUMP SUM.

FLAGGERS AND LEO'S SHALL BE EQUIPPED ACCORDING TO THE STANDARDS FOR FLAGGING TRAFFIC CONTAINED IN THE OMUTCD. FLAGGING OPERATIONS PERFORMED BY LEO'S OR DESIGNATED FLAGGERS SHALL ONLY BE PERMITTED AS LONG AS ALL TRAFFIC CONTROL IS IN PLACE ACCORDING TO FIGURE 6H-10 (TA-10) IN THE OHIO MANUAL. PATROL CARS SHALL NOT BE USED IN FLAGGING OPERATIONS.

IF THE CONTRACTOR WISHES TO UTILIZE LEO'S WITH OR WITHOUT PATROL CARS FOR TRAFFIC CONTROL OTHER THAN FOR THAT REQUIRED IN THE PLANS, THEY MAY DO SO AT THEIR OWN EXPENSE. THE CONTRACTOR SHALL MAKE ARRANGEMENT THROUGH THE COLUMBUS POLICE DIVISION AT (614) 645-4795.

LEO'S SHALL BE CONSIDERED TO BE EMPLOYED BY THE CONTRACTOR AND THE CONTRACTOR SHALL BE RESPONSIBLE FOR THEIR ACTIONS. ALTHOUGH EMPLOYED BY THE CONTRACTOR, THE CITY REPRESENTATIVE SHALL HAVE CONTROL OVER THEIR PLACEMENT. LEO'S SHALL NOT HAVE THE AUTHORITY TO CHANGE, EDIT OR MODIFY ANY MAINTENANCE OF TRAFFIC SCHEME WITHOUT THE PERMISSION OF THE TEMPORARY TRAFFIC CONTROL COORDINATOR OR PROJECT ENGINEER UNLESS AN EMERGENCY DEVELOPS.

IF A SAFETY HAZARD DEVELOPS, A LEO MAY BE ASSIGNED BY THE COLUMBUS PUBLIC SAFETY AND/OR THE PUBLIC SERVICE DIRECTOR AT THE CONTRACTOR'S EXPENSE.

EXISTING PERMANENT TRAFFIC CONTROL

1. ANY WORK DONE BY THE DEPARTMENT OF PUBLIC SERVICE, INCLUDING INSTALLATION, RELOCATION, REMOVAL AND/OR REPLACEMENT OF PERMANENT TRAFFIC CONTROL DEVICES AS A RESULT OF WORK DONE BY THE CONTRACTOR OR AS A RESULT OF NEGLIGENCE OF THE CONTRACTOR, SHALL BE AT THE CONTRACTORS' EXPENSE.

2. THE CONTRACTOR SHALL BE RESPONSIBLE FOR REINSTALLATION AND/OR REPLACEMENT OF ALL PERMANENT TRAFFIC CONTROL DEVICES DAMAGED OR REMOVED DURING CONSTRUCTION. PERMANENT TRAFFIC CONTROL NO LONGER IN CONFLICT WITH TEMPORARY TRAFFIC CONTROL SHALL BE REPLACED IMMEDIATELY.

3. THE CONTRACTOR SHALL REPLACE ALL PAVEMENT MARKINGS, INCLUDING RAISED PAVEMENT MARKERS (RPM) SHOWN IN CONFLICT, REMOVED DUE TO CONSTRUCTION OR MAINTENANCE OF TRAFFIC SET UP, DESTROYED, OR RENDERED UNSERVICEABLE BY THE PROJECT ENGINEER OR THE PUBLIC SERVICE PAVEMENT MARKING MANAGER. ALL PAVEMENT MARKING MATERIALS SHALL BE REPLACED IN-LIKE KIND IF NOT SHOWN IN THE PLAN OR PERMIT INCLUDING RAISED PAVEMENT MARKERS. ALL PAVEMENT MARKINGS SHALL BE REPLACED IN FULL. NO PARTIAL LENGTH OR SECTIONS OF PAVEMENT MARKINGS SHALL BE REPLACED WITHOUT REMOVING THE ENTIRE MARKING BY USE OF THE WATER BLAST METHOD. REMOVAL BY ABRASIVE WHEEL GRINDING SHALL ONLY BE APPROVED BY THE PUBLIC SERVICE PAVEMENT MARKING MANAGER.

4. ALL OVERHEAD CABLE, AND DOWN GUYS OR BACK GUYS SHALL NOT BLOCK ANY PORTION OF A TRAFFIC SIGNAL, TRAFFIC CONTROL SIGN, OR OTHER TRAFFIC CONTROL DEVICE SUCH THAT VISIBILITY OR OPERATION OF THE TRAFFIC CONTROL DEVICE IS IMPAIRED.

5. ALL PERMANENT PAVEMENT MARKINGS AND TRAFFIC CONTROL SIGNS AS SHOWN ON THIS PLAN SHALL BE INSTALLED BY THE CONTRACTOR AT THE PROJECTS EXPENSE. THE PROJECT ENGINEER SHALL BE NOTIFIED TO DIRECT APPROPRIATE PERSONNEL A MINIMUM OF FORTY-EIGHT (48) HOURS (EXCLUDING SAT. & SUN.) PRIOR TO THE INSTALLATION OF PERMANENT MARKINGS TO INSPECT AND APPROVE THE PAVEMENT MARKING LAYOUT PRIOR TO PLACING THE PERMANENT MARKINGS.

6. PERMANENT STRIPING OR CLASS I TEMPORARY STRIPING SHALL BE INSTALLED NO LATER THAN FOURTEEN (14) CALENDAR DAYS AFTER THE FINAL PAVING COURSE IS COMPLETED. THE PAVING CONTRACTOR SHALL BE RESPONSIBLE TO NOTIFY THE STRIPING CONTRACTOR TO INSURE THE PERMANENT STRIPING IS INSTALLED WITHIN THE FOURTEEN (14) CALENDAR DAY LIMIT.

7. IF THE DEPARTMENT OF PUBLIC SERVICE IS TO INSTALL PERMANENT STRIPING, THE PROJECT ENGINEER SHALL BE NOTIFIED TO DIRECT APPROPRIATE PERSONNEL A MINIMUM OF TEN (10) WORKING DAYS PRIOR TO THE APPLICATION OF THE FINAL COURSE OF PAVEMENT.

8. AT ANY LOCATION WHERE THE CONTRACTOR DAMAGES DETECTORS AND/OR THEIR LEAD-IN CABLES THE CONTRACTOR SHALL REPLACE THEM. AT ANY LOCATION WHERE DETECTION IS CHANGED FROM MAG PROBE UNITS TO LOOPS, THE CONTRACTOR SHALL REPLACE THE PROBE LEAD-IN WITH LOOP LEAD-IN CABLE. ALL REPAIRS TO DETECTION SHALL BE COMPLETED WITHIN 21 DAYS FROM DAMAGE TO DETECTION ON A PER INTERSECTION BASIS. IF THE 21DAY REPAIR REQUIREMENT CANNOT BE SATISFIED AT ANY LOCATION WHERE THE CONTRACTOR DAMAGES DETECTORS AND/OR THEIR LEAD-IN CABLES, THE CONTRACTOR, AT THE DISCRETION OF SIGNAL OPERATIONS PERSONNEL, MAY BE REQUIRED TO INSTALL A VERSICAM FLEX CAMERA SYSTEM, A WAVETRONIX RADAR SYSTEM, OR TEMPORARY LOOP DETECTION. ANY CONTRACTOR FAILING TO COMPLY WITH THESE GUIDELINES SHALL BE SUBJECT TO PENALTY TO THE SUM OF $100.00 PER DAY FOR EACH DAY BEYOND THE 21 DAY REPAIR PERIOD ON A PER INTERSECTION BASIS, UNTIL CONDITIONS ARE MET TO THE SATISFACTION OF THE SIGNAL OPERATIONS PERSONNEL. THIS PENALTY DEDUCTION SHALL BE SPECIFIC FOR EACH SIGNALIZED INTERSECTION EFFECTED BY THIS PROJECT AND SEPARATE FROM ANY LIQUIDATED DAMAGES FOR THE PROJECT AS A WHOLE. THE WORK TO INSTALL THE DETECTION SHALL CONFORM TO THE CITY OF COLUMBUS STANDARD DRAWING 4300 AND THE CITY OF COLUMBUS CONSTRUCTION AND MATERIAL SPECIFICATIONS, LATEST EDITION, WITH THE FOLLOWING PROVISIONS:

A. THE CONTRACTOR SHALL PROVIDE THE DEPARTMENT OF PUBLIC SERVICE'S INSPECTOR, PRIOR TO THE COMMENCEMENT OF WORK, THE IMSA (INTERNATIONAL MUNICIPAL SIGNAL ASSOCIATION) CERTIFICATION PAPERS FOR ALL SIGNAL TECHNICIANS WORKING ON THIS PROJECT.

B. LOCATIONS OF THE REPLACEMENT DETECTION SHALL BE FIELD MARKED OR DIMENSIONED DRAWINGS SHALL BE SUBMITTED TO THE CONSTRUCTION SECTION BY DEPARTMENT OF PUBLIC SERVICE PERSONNEL. LOCATION OF FINAL PAVEMENT MARKINGS OR THE MARKINGS THEMSELVES SHALL BE CLEARLY INDICATED ON THE ASPHALT PRIOR TO DETECTOR LOCATIONS BEING MARKED. THE CONTRACTOR SHALL LAYOUT THE LOOPS ON THE PAVEMENT IF DRAWINGS ARE SUBMITTED. IF DRAWINGS HAVE NOT BEEN PROVIDED, CONTACT SIGNAL OPERATIONS PERSONNEL AT 614-645-0423 (CELL 614-419-4501) AT LEAST TWO WORKING DAYS PRIOR TO NEEDING THE LOCATION MARKED. IF UNABLE TO MAKE CONTACT THROUGH THE ABOVE NUMBERS, CALL 614-645-7393.

C. THE SAW SLOT DEPTH FOR LOOP WIRE INSTALLATION SHALL BE FOUR (4) INCHES WITH SIX (6) INCHES AT THE CONDUIT ENTRANCE. IF ADVERSE PAVEMENT CONDITIONS WARRANT, DEPTH MAY BE INCREASED TO SIX (6) INCHES THROUGHOUT AND SHALL BE DETERMINED BY THE DEPARTMENT OF PUBLIC SERVICE INSPECTOR.

D. EACH LOOP SHALL HAVE ITS OWN CONDUIT FROM EDGE OF PAVEMENT TO PULL BOX UNLESS SPECIFIED OTHERWISE BY THE DEPARTMENT OF PUBLIC SERVICE INSPECTOR.

E. THE PULLBOX ASSEMBLY SHALL BE RATED AS MEDIUM TO HEAVY DUTY, TO BE INSTALLED IN CONCRETE WALKWAYS, AND SHALL HAVE ALL STAINLESS STEEL HARDWARE. THE PULLBOX COVER SHALL HAVE THE WORD "TRAFFIC" ON IT. THE COVER SHALL BE BOLTED TO THE BOX AND SHALL BE POLYMER CONCRETE. THE COVER PLUS HOUSING AS A UNIT SHALL BE RATED TO WITHSTAND A MINIMUM 20,000 LB. STATIC LOAD OVER A 10"X10" AREA AS PER ASTM C-857. THE BOX DEPTH SHALL BE 15 INCHES MINIMUM TO 30 INCHES MAXIMUM. IF THE PROJECT DOES NOT SPECIFY 725.06 POLYMER CONCRETE PULL BOXES, THE SUPPLIED ASSEMBLIES SHALL BE AS FOLLOWS: CDR SYSTEMS MODEL SA32-1015-18, OR SYNERTECH MODEL S1118B18FA. SIX (6) INCHES OF #57 AGGREGATE SHALL BE PLACED AT THE BOTTOM OF THE PULLBOX. NO CONDUIT SHALL PROTRUDE MORE THAN THREE (3) INCHES INSIDE THE PULLBOX. CONDUIT ELLS OR EXTENSIONS MAY BE USED TO ALIGN THE CONDUIT WITH THE HOUSING. THE COST FOR EXTENSIONS OR ELLS IF NEEDED SHALL BE INCIDENTAL TO THE PER UNIT PRICE.

F. WHEN A PULLBOX IS NOT USED, THE SOLDERED SPLICE SHALL BE MADE IN AN ANCHOR BASE STRAIN POLE OR A CONDUIT RISER SPECIFIED BY THE DEPARTMENT OF PUBLIC SERVICE'S REPRESENTATIVE, EXCEPT WHERE A CONTROLLER CABINET IS MOUNTED ON THAT POLE IN WHICH CASE THE LOOP WIRE SHALL BE ROUTED DIRECTLY INTO THE CABINET.

G. THE CONTRACTOR SHALL NOT MAKE ANY WIRING CONNECTIONS OR ADJUSTMENTS INSIDE THE CONTROL CABINET. WHEN SUCH CONNECTIONS ARE REQUIRED, THE CONTRACTOR SHALL NOTIFY THE TRAFFIC OPERATIONS SHOP 614-645-7393, MON.- FRI., 8 AM TO 4 PM, TO SCHEDULE CITY FORCES FOR MAKING THE ACTUAL CONNECTIONS. THE CONTRACTOR SHALL BE AVAILABLE AT THE AGREED TIME. THE CONTRACTOR WILL BE BILLED FOR ANY TIME THAT CITY FORCES ARE REQUIRED TO WAIT FOR THE CONTRACTORS' WORK TO BE COMPLETED.

H. CONDUIT PLACED IN "RIGHT OF WAY" AREAS BEARING NO TRAFFIC FOR DETECTOR LEAD IN SHALL BE ITEM 725.051, CITY OF COLUMBUS CONSTRUCTION AND MATERIAL SPECIFICATIONS, LATEST EDITION. CONDUIT PLACED UNDER A ROADWAY OR IN AREAS THAT MAY BEAR TRAFFIC SHALL BE CONCRETE ENCASED (SIZES AND TYPE TO BE DETERMINED BY THE DEPARTMENT OF PUBLIC SERVICE'S REPRESENTATIVE. ALL CONDUITS SHALL BE PLACED AT A MINIMUM DEPTH OF 24".

I. LOOP WIRE SHALL BE IDENTIFIED WITH A PLASTIC TAG (WBLT, EBRT, ETC.) AT THE SPLICE POINT OR AT ENTRANCE TO THE CABINET IF LEAD-IN CABLE IS NOT USED.

J. THE ITEMS AND ESTIMATED QUANTITIES FOR THE REPLACEMENT OF THE DEPARTMENT OF PUBLIC SERVICE'S DETECTION ITEMS SHALL BE INCLUDED IN THESE PLANS WHEN DIRECTED BY THE PLAN REVIEWER. THESE ESTIMATES ARE FOR THE PURPOSE OF BIDDING THE PROJECT.

THE CONTRACTOR SHALL NOTIFY SIGNAL OPERATION PERSONNEL AT 614-645-0423 (CELL 614-419-4501) AFTER ALL LOOPS HAVE BEEN INSTALLED AT EACH INTERSECTION. IF UNABLE TO MAKE CONTACT THROUGH THE ABOVE NUMBER, CALL 614-645-7393. THE DEPARTMENT OF PUBLIC SERVICE SHALL INSPECT ALL SENSORS AND TEST AS NECESSARY. THE CONTRACTOR SHALL REPLACE ALL LOOPS NOT MEETING SPECIFICATIONS.

LAW ENFORCEMENT OFFICER (LEO) WITH PATROL CAR, AS PER PLAN

IN ADDITION TO LEO AND FLAGGER HOURS INCLUDED IN ITEM 614 MAINTAINING TRAFFIC, LUMP SUM; THE FOLLOWING QUANTITIES HAVE BEEN CARRIED TO THE GENERAL SUMMARY TO BE USED AS DIRECTED BY THE ENGINEER OR AN ACCEPTABLE REPRESENTATIVE FOR THE CITY OF COLUMBUS. THE OFFICIAL PATROL CAR WITH TOP MOUNTED EMERGENCY FLASHING LIGHTS SHALL BE A PUBLIC SAFETY VEHICLE AS REQUIRED BY THE OHIO REVISED CODE. THE CONTRACTOR SHALL BE PAID FOR THIS BID ITEM ONLY IF DIRECTED BY THE ENGINEER.

ITEM 614, LAW ENFORCEMENT OFFICER WITH PATROL CAR, AS PER PLAN - 200 HOURS

LAW ENFORCEMENT OFFICER (LEO) WITHOUT PATROL CAR, AS PER PLAN

IN ADDITION TO LEO AND FLAGGER HOURS INCLUDED IN ITEM 614 MAINTAINING TRAFFIC, LUMP SUM; THE FOLLOWING QUANTITIES HAVE BEEN CARRIED TO THE GENERAL SUMMARY TO BE USED AS DIRECTED BY THE ENGINEER OR AN ACCEPTABLE REPRESENTATIVE FOR THE CITY OF COLUMBUS. THE CONTRACTOR SHALL BE PAID FOR THIS BID ITEM ONLY IF DIRECTED BY THE ENGINEER.

ITEM 614, LAW ENFORCEMENT OFFICER WITHOUT PATROL CAR, AS PER PLAN - 200 HOURS

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PID NUMBER: 110521

GENERAL NOTES SHEET 8 OF 11
MAINTENANCE OF TRAFFIC SHEET 2 OF 3

CITY OF COLUMBUS TRAFFIC SIGNAL SYSTEM
(CTSS) PHASE F - FINAL SUBMITTAL

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COORDINATION WITH OTHER PROJECTS

THE CONTRACTOR IS ADVISED OF THE POSSIBILITY OF OTHER CONSTRUCTION CONTRACTS IN THE SAME AREAS. THE OTHER PROJECTS MAY BE GOING ON CONCURRENTLY WITH THE PROJECT AND CLOSE COOPERATION BETWEEN CONTRACTORS IS NECESSARY TO ENSURE THAT THE TRAFFIC MAINTENANCE OPERATIONS FOR EACH AREA ARE, AT ALL TIMES, COMPATIBLE. THE ENGINEERS SHALL WORK TOGETHER TO RESOLVE ANY CONFLICTS.

THE CONTRACTOR'S ATTENTION IS DIRECTED TO SECTION 105.08 OF THE CMS.

ONGOING PROJECTS DURING PHASE F CONSTRUCTION	
AVERY ROAD WIDENING (530103-100057)	SULLIVANT AT I-70 EB RAMP (531034-100005)
CASSADY AVE (PID 105732)	HAMILTON RD, SR-161 TO CENTRAL COLLEGE (533001-100000)
WESTERVILLE RD (PID 110378)	
FRA-23-4.19 (PID 110380)	CENTRAL COLLEGE RD (3695-E)
TRABUE RD BRIDGE (FCEO)	US-33/PETZINGER R-CUT (PID 113744)

LANES OPEN DURING HOLIDAYS

NO WORK SHALL BE PERFORMED AND THE SAME NUMBER OF LANES AS WERE AVAILABLE AT THE START OF THE PROJECT SHALL BE OPEN TO TRAFFIC DURING THE FOLLOWING DESIGNATED HOLIDAYS OR EVENTS:

CHRISTMAS	FOURTH OF JULY
NEW YEARS	LABOR DAY
MEMORIAL DAY	THANKSGIVING

THE PERIOD OF TIME THAT THE LANES ARE TO BE OPEN DEPENDS ON THE DAY OF THE WEEK ON WHICH THE HOLIDAY OR EVENT FALLS. THE FOLLOWING SCHEDULE SHALL BE USED TO DETERMINE THIS PERIOD:

DAY OF HOLIDAY OR EVENT	TIME ALL LANES MUST BE OPEN TO TRAFFIC
SUNDAY	12:00N FRIDAY THROUGH 6:00 AM MONDAY
MONDAY	12:00N FRIDAY THROUGH 6:00 AM TUESDAY
TUESDAY	12:00N MONDAY THROUGH 6:00 AM WEDNESDAY
WEDNESDAY	12:00N TUESDAY THROUGH 6:00 AM THURSDAY
THURSDAY	12:00N WEDNESDAY THROUGH 6:00 AM FRIDAY
THURSDAY (THANKSGIVING ONLY)	5:00AM WEDNESDAY THROUGH 6:00 AM MONDAY
FRIDAY	12:00N THURSDAY THROUGH 6:00 AM MONDAY
SATURDAY	12:00N FRIDAY THROUGH 6:00 AM MONDAY

CITY OF COLUMBUS NOISE ORDINANCE

THE CONTRACTOR SHALL CONFORM TO THE CITY OF COLUMBUS CODE SECTION 2329.11.

CITY OF COLUMBUS SPECIAL EVENTS

THE CONTRACTOR SHALL CONTACT THE CITY OF COLUMBUS TEMPORARY TRAFFIC CONTROL COORDINATOR FOR ANY ADDITIONAL MOT REQUIREMENTS FOR SPECIAL EVENTS, INCLUDING OSU FOOTBALL HOME GAMES.

USE OF WEIGHTED CHANNELIZERS

THE WEIGHTED CHANNELIZER MAY BE USED IN ACCORDANCE WITH THIS SECTION. THE WEIGHTED CHANNELIZER SHALL BE PREDOMINANTLY ORANGE IN COLOR AND SHALL BE MADE OF LIGHTWEIGHT, FLEXIBLE, AND DEFORMABLE MATERIAL. THEY SHALL BE AT LEAST 42 INCHES IN HEIGHT WITH A WEIGHTED BASE. THE MAY HAVE A HANDLE OR LIFTING DEVICE WHICH EXTENDS ABOVE THE 42 INCHES MINIMUM HEIGHT.

THE MARKINGS ON THE WEIGHTED CHANNELIZER SHALL BE HORIZONTAL, CIRCUMFERENTIAL, ALTERNATING ORANGE AND WHITE RETROREFLECTIVE STRIPES 6 INCHES WIDE. EACH WEIGHTED CHANNELIZER SHALL HAVE A MINIMUM OF TWO ORANGE AND TWO WHITE STRIPES. ANY NON-RETROREFLECTIVE SPACES BETWEEN THE HORIZONTAL ORANGE AND WHITE STRIPES SHALL NOT EXCEED 2 INCHES WIDE. THE WEIGHTED CHANNELIZER SHALL HAVE A 4-INCH MINIMUM WIDTH, REGARDLESS OF ORIENTATION.

USE OF WEIGHTED CHANNELIZERS ON FREEWAYS AND MULTILANE HIGHWAYS SHALL BE LIMITED TO SHORT-TERM OPERATIONS FOR EITHER DAY OR NIGHT. UPON COMPLETION OF WORK, THE WEIGHTED CHANNELIZERS SHALL BE REMOVED. THE WEIGHTED CHANNELIZERS MAY AGAIN BE PLACED ON THE HIGHWAY WHEN THE WORK IS TO RESUME ON THE FOLLOWING DAY OR NIGHT. ANY LANE CLOSURE WORK USING CHANNELIZATION DEVICES, EXPECTED TO REMAIN FOR MORE THAN TWELVE HOUSE, SHALL REQUIRE THE USE OF DRUMS OR BARRICADES.

WHEN USED AT NIGHT, WEIGHTED CHANNELIZERS SHALL ONLY BE PLACED IN THE TANGENT AREA AND AT A MAXIMUM SPACING OF 40 FEET. THE TANGENT AREA IS DEFINED AS THE AREA AFTER THE TRANSITION TAPER WHERE THE WORK TAKES PLACE. DRUMS SHALL BE USED IN THE TRANSITION TAPERS FOR NIGHT OPERATIONS.

STEPS SHOULD BE TAKEN TO ENSURE THAT THE WEIGHTED CHANNELIZERS WILL NOT BE BLOWN OVER OR DISPLACED BY WIND OR MOVING TRAFFIC. BALLASTS SHOULD NOT PRESENT A HAZARD IF THE WEIGHTED CHANNELIZERS ARE INADVERTENTLY STRUCK, NOR SHOULD THEY AFFECT THE VISIBILITY OF THE WEIGHTED CHANNELIZERS. ALL BALLASTS USED SHOULD BE IN ACCORDANCE WITH THE MANUFACTURER'S SPECIFICATIONS.

PAYMENT SHALL BE INCLUDED IN THE LUMP SUM CONTRACT PRICE FOR ITEM 614 MAINTAINING TRAFFIC.

ITEM SPECIAL – TOWING PARKED CARS, EACH

THE CONTRACTOR IS TO BE RESPONSIBLE FOR NOTIFYING, BY LETTER WITH HIS COMPANY LETTERHEAD, RESIDENTS AND BUSINESSES ON STREETS WITH WORK TO BE PERFORMED. ADVANCED NOTICE SHALL BE TWO (2) WEEKS PRIOR TO THE FIRST DAY OF WORK ON THAT STREET. DOWNTOWN BUSINESS DISTRICT (DBD), DURATION OF THREE (3) WEEKS IS REQUIRED PRIOR TO MAKING NOTIFICATION IN THE DOWN TOWN AREA. FAILURE TO PROVIDE THE REQUIRED ADVANCED NOTICE WILL RESULT IN A ONE-HUNDRED (100) DOLLARS PER DAY PENALTY AS DETAILED IN NOTIFICATION REQUIREMENTS.

AFTER THE MINIMUM POSTING TIME HAS PASSED FOR "NO PARKING" RESTRICTION, VEHICLES IN THE WAY OF WORK CAN BE TOWED TO THE NEAREST ON STREET LOCATION OUTSIDE OF PLANNED WORK. THE CONTRACTOR MUST MAINTAIN A LIST OF VEHICLES TOWED INCLUDING THEIR LICENSE PLATE NUMBER AND LOCATION WHERE THEY WERE TOWED TO. PAYMENT FOR ALL WORK ASSOCIATED WITH TOWING VEHICLES WILL BE INCLUDED IN ITEM SPECIAL – TOWING PARKED CARS, EACH.

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GENERAL NOTES SHEET 9 OF 11
MAINTENANCE OF TRAFFIC SHEET 3 OF 3

CITY OF COLUMBUS TRAFFIC SIGNAL SYSTEM
(CTSS) PHASE F – FINAL SUBMITTAL

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Maintenance of Traffic Table for Multiple Locations

EXISTING CONDITIONS								MAINTENANCE OF TRAFFIC CONDITIONS						
STREET NAME	WORK LIMITS	SIGNALIZED INTERSECTIONS	PAVEMENT WIDTH	LANE WIDTH(S)	PARKING	COTA ROUTE	TRAFFIC PATTERN	TRAFFIC PATTERN	TYPE CLOSURE	LEO REQUIRED	SCD # OR DETAIL NAME/PG. #	DETOUR PG.#	WEEKDAY WORK HOURS	WEEKEND WORK HOURS
MORSE RD.	HIGHMEADOW DR. TO STONE RIDGE DR.	N	74'	12'/12'/12'/12'/12'	N	Y	2W-4L	2W-3L	LEFT LANE	Y	1510 & 1520	N	9AM - 3:30 PM	SEE NOTE
FIFTH AVE.	GRAY ST. TO 20TH ST.	N	55'	12'/12'/12'/12'	N	Y	2W-4L	2W-3L	LEFT LANE	Y	1510 & 1520	N	9AM - 3:30 PM	SEE NOTE
RIVERSIDE DR.	FIFTH AVE. TO WALTHAM RD.	N	52'	12'/12'/12'/12'	N	Y	2W-4L	2W-3L	RIGHT LANE	Y	1510 & 1520	N	9AM - 3:30 PM	SEE NOTE
COLLEGE AVE.	PETZINGER RD. TO SR-104	N	38'	12'/12'	N	Y	1W-2L	1W-1L	LEFT LANE	Y	1510 & 1520	N	9AM - 3:30 PM	SEE NOTE

SEE CITY OF COLUMBUS STANDARD DRAWINGS FOR STANDARD MOT LANE CLOSURE DIAGRAMS.

FLAGGING OPERATIONS ARE NOT PERMITTED DURING NIGHT WORK HOURS.

WEEKEND DAY WORK HOURS
7:00 AM TO 7:00 PM SAT/SUN

WEEKEND CLOSURE HOURS
8:00 PM FRI TO 5:00 AM MON

WEEKDAY NIGHT WORK HOURS
8:00 PM TO 5:00 AM

3676-E

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GENERAL NOTES SHEET 10 OF 11
MAINTENANCE OF TRAFFIC TABLE

CITY OF COLUMBUS TRAFFIC SIGNAL SYSTEM
(CTSS) PHASE F - FINAL SUBMITTAL

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J:\Jobs\70202 - CTSS Phase F\TECHPROD\Sheets\CTSS_PhF_General_Notes.dwg - 001_GN-13 ODOT FREEWAY MOT layout ~ last saved by: gburch 06/01/2022 03:56pm ~ printed 06/01/2022 04:10pm PSLTS: 1 LTS: 1 CAS: 1" = 1"

INNERBELT NOTE

NO WORK SHALL BE PERMITTED BETWEEN THE HOURS OF 5:00 A.M. AND 9:00 P.M., WEEKDAYS*, ON ANY INNERBELT, FREEWAY OR CONNECTOR ROADWAY WITHIN THE INNERBELT RIGHT-OF-WAY. [THE INNERBELT IS DEFINED BY I-670 ON THE NORTH, I-71 ON THE EAST, I-70 ON THE SOUTH, AND SR-315 ON THE WEST.]

WHEN MORE THAN ONE THROUGH LANE IS CLOSED AND/OR IF THE INTERSTATE IS REDUCED TO ONE LANE BETWEEN 9:00 P.M. AND 5:00 A.M., WEEKDAYS* OR ON THE WEEKENDS*** FROM 10:00 P.M. FRIDAY NIGHT UNTIL 5:00 A.M. MONDAY, ALL ENTRANCE RAMPS SHALL BE CLOSED USING THE STANDARDS SET FORTH IN THE OHIO MANUAL OF UNIFORM TRAFFIC CONTROL DEVICES AND THE TYPICAL DETAIL FOR RAMP CLOSURES INCLUDED.

RAMP CLOSURES MAY ALSO BE NECESSARY WHEN ONLY ONE LANE IS CLOSED IN A HIGHLY CONGESTED AREA. AS DIRECTED BY THE ENGINEER.

NO STAGING OF EQUIPMENT OR OCCUPYING SHOULDERS SHALL OCCUR PRIOR TO THE PERMITTED HOURS.

* WEEKDAYS ARE DEFINED AS MONDAY MORNING 5:00 A.M. UNTIL FRIDAY 10:00 P.M.

** AN ADD/DROP LANE BETWEEN INTERCHANGES IS NOT CONSIDERED A THROUGH DRIVING LANE.

***WEEKENDS ARE DEFINED AS FRIDAY NIGHT AT 10:00 P.M. UNTIL MONDAY AT 5:00 A.M.

NOTIFICATION OF TRAFFIC RESTRICTIONS ON FREEWAYS

THROUGHOUT THE DURATION OF THE PROJECT, THE CONTRACTOR SHALL NOTIFY THE ODOT-DISTRICT 6 OFFICE OF COMMUNICATIONS VIA EMAIL (d06.mot@dot.state.oh.us AND d06.pio@dot.state.oh.us) OF ALL TRAFFIC RESTRICTIONS AND UPCOMING MAINTENANCE OF TRAFFIC CHANGES ON THE FREEWAY. THE CONTRACTOR SHALL ENSURE THE WRITTEN NOTIFICATION IS SUBMITTED IN TIME TO MEET THE REQUIREMENTS SET FORTH IN THE TABLE BELOW AND PRIOR TO THE PHYSICAL SETUP OF ANY APPLICABLE SIGNS OR MESSAGE BOARDS.

INFORMATION SHOULD INCLUDE BUT IS NOT LIMITED TO ALL CONSTRUCTION ACTIVITIES THAT IMPACT OR INTERFERE WITH TRAFFIC AND SHALL LIST THE SPECIFIC LOCATION, TYPE OF WORK, ROAD STATUS, DATE AND TIME OF RESTRICTION, DURATION OF RESTRICTION, NUMBER OF LANES MAINTAINED, NUMBER OF LANES CLOSED, MINIMUM VERTICAL CLEARANCE, MINIMUM WIDTH OF DRIVABLE PAVEMENT, DETOUR ROUTES, IF APPLICABLE, AND ANY OTHER INFORMATION REQUESTED BY THE DISTRICT 6 OFFICE OF COMMUNICATIONS.

NOTIFICATION TIME FRAME TABLE

ITEM	DURATION OF CLOSURE	NOTIFICATION DUE TO DISTRICT 6 COMMUNICATION OFFICE
RAMP AND ROAD CLOSURE	> = 2 WEEKS	21 CALENDAR DAYS PRIOR TO CLOSURE
	> 12 HOURS AND < 2 WEEKS	14 CALENDAR DAYS PRIOR TO CLOSURE
	< 12 HOURS	4 BUSINESS DAYS PRIOR TO CLOSURE
LANE CLOSURES/RESTRICTIONS	> = 2 WEEKS	14 CALENDAR DAYS PRIOR TO CLOSURE
	< 2 WEEKS	5 BUSINESS DAYS PRIOR TO CLOSURE

ANY UNFORESEEN CONDITIONS NOT SPECIFIED IN THE PLANS REQUIRING TRAFFIC RESTRICTIONS SHALL ALSO BE REPORTED TO THE DISTRICT 6 OFFICE OF COMMUNICATION USING THE NOTIFICATION TIME FRAME TABLE.

SEND ALL NOTIFICATIONS TO D6.PIO@DOT.STATE.OH.US

LANE CLOSURE HOURS FOR WORK ON FREEWAYS (NON INNERBELT)

LANE, RAMP, AND/OR SHOULDER CLOSURE TIMES FOR ALL NON INNERBELT FREEWAYS AND MULTILANE HIGHWAYS ARE SHOWN IN THE FOLLOWING TABLES. ANY CHANGES TO THESE GUIDELINES SHALL RECEIVE PRIOR APPROVAL FROM THE DISTRICT WORK ZONE TRAFFIC MANAGER. ADDITIONAL PERMITTED LANE CLOSURE INFORMATION CAN BE VIEWED FROM THE DESIGN REFERENCE RESOURCE CENTER (DRRC) ON THE ODOT WEBSITE, WWW.DOT.STATE.OH.US.

SHORT DURATION RAMP CLOSURES

FOR THE PURPOSE OF PERFORMING THE REQUIRED WORK OR WHEN REQUIRED BY THE INTERSTATE ENTRANCE RAMP CLOSURE NOTE, RAMPS MAY BE CLOSED FOR SHORT DURATIONS AND DETOURED IN ACCORDANCE WITH THE RAMP CLOSURE TABLE IF APPROVED BY THE ENGINEER. RAMP CLOSURES ARE SUBJECT TO DISINCENTIVES.

FOR ALL SERVICE RAMP CLOSURES LASTING MORE THAN 12 HOURS BUT LESS THAN 60 HOURS AND/OR,
FOR ALL SYSTEM RAMP CLOSURES LASTING MORE THAN 12 HOURS BUT LESS THAN 24 HOURS

THE CONTRACTOR SHALL PROVIDE THE FOLLOWING:

- A MINIMUM OF TWO PORTABLE CHANGEABLE MESSAGE SIGNS (PCMS) PLACED, AS DIRECTED BY THE ENGINEER, TO WARN DRIVERS OF THE CLOSURE AND TO PROVIDE THE DESIGNATED DETOUR ROUTE.
- POSITIVE GUIDANCE ALONG THE DETOUR ROUTE WITH DETOUR SIGNS (M4-9 SERIES) IN ACCORDANCE WITH THE DETOUR SIGNS NOTE.

FOR ALL RAMP CLOSURES LASTING LESS THAN 12 HOURS, THE CONTRACTOR SHALL PROVIDE THE FOLLOWING:

- A MINIMUM OF TWO PORTABLE CHANGEABLE MESSAGE SIGNS (PCMS) PLACED, AS DIRECTED BY THE ENGINEER, TO WARN DRIVERS OF THE CLOSURE AND TO PROVIDE THE DESIGNATED DETOUR ROUTE.

WHEN CLOSING ENTRANCE RAMPS, CORRESPONDING LEAD-IN LANES AND TURN LANES SHALL BE CLOSED.

IF A DESIGNATED DETOUR ROUTE IS NOT PROVIDED IN THE PLANS, TRAFFIC SHALL BE DIRECTED TO THE NEXT INTERCHANGE, IF AVAILABLE, TO TURN AROUND. IF THE USE OF THE NEXT INTERCHANGE IS NOT POSSIBLE, AN ALTERNATIVE DETOUR ROUTE SHALL BE PROVIDED BY THE ENGINEER.

SERVICE RAMP: INTERCHANGE RAMPS BETWEEN FREEWAYS (OR EXPRESSWAYS) AND NON-FREEWAYS (OR NONEXPRESSWAYS). THESE RAMPS PROVIDE ACCESS (CONNECTIONS) BETWEEN FREEWAYS/EXPRESSWAYS AND OTHER PRINCIPAL/MINOR ARTERIALS, COLLECTORS OR LOCAL ROADS.

SYSTEM RAMP: INTERCHANGE RAMPS (OR CONNECTORS) BETWEEN FREEWAYS (OR EXPRESSWAYS) AND FREEWAYS (OR EXPRESSWAYS).

COORDINATION WITH ADJACENT PROJECTS

THE CONTRACTOR SHALL COORDINATE WORK WITH ODOT AND THE CONTRACTORS ON THE ADJACENT PROJECTS. COORDINATION SHALL BE MADE TO PREVENT CONFLICTING ADVANCE WARNING SIGNS, CONFLICTING DETOUR ROUTES, OVERLAPING/CONFLICTING LANE CLOSURES, AND TO ENSURE THAT A MINIMUM DISTANCE OF 2 MILES BETWEEN ADJACENT LANE CLOSURES IS MAINTAINED. THIS IS NOT AN EXHAUSTIVE LIST OF COORDINATION ITEMS THAT MAY NEED TO BE RESOLVED BETWEEN PROJECTS. THE DEPARTMENT RESERVES THE RIGHT TO DECIDE WHICH PROJECT'S ACTIVITIES TAKE PRECEDENCE. PROJECTS THAT HAVE ACTIVITIES DELAYED DUE TO CONFLICTS WILL CONSIDER THIS AN EXCUSABLE, NON-COMPENSABLE DELAY PER 108.06.B. ON PROJECTS THAT HAVE ACTIVITIES DELAYED DUE TO CONFLICTS WHERE THE CONTRACTOR FAILED TO MEET THE NOTIFICATION REQUIREMENTS, THE DELAYS SHALL NOT BE CONSIDERED EXCUSABLE OR COMPENSABLE.

ATTENDANCE AT DEPARTMENT ORDERED TRAFFIC COORDINATION MEETINGS BETWEEN ADJACENT PROJECTS SHALL BE CONSIDERED MANDATORY FOR EACH PROJECT'S SUPERINTENDENT AND WORKSITE TRAFFIC SUPERVISOR (WTS), AND INCIDENTAL TO THE LUMP SUM MAINTENANCE OF TRAFFIC PAYMENT ITEM.

SPECIAL EVENTS

MEMORIAL GOLF TOURNAMENT – LANE OR SHOULDER CLOSURES ARE NOT PERMITTED DURING THE WEEK OF THE GOLF TOURNAMENT 5AM-10PM DAILY ON THE FOLLOWING ROUTES:
I-270 BETWEEN I-70 (WEST SIDE) AND I-71 (NORTH SIDE)
SR 257 BETWEEN SR 161 AND US 42
SR 745 BETWEEN SR 161 AND US 42
SR 161 BETWEEN US 42 AND I-71
US 33 BETWEEN US 42 AND I-70
SR 750 BETWEEN SR 257 AND US 23

SPECIAL EVENTS

CIRCLEVILLE PUMPKIN SHOW – LANE OR SHOULDER CLOSURES ARE NOT PERMITTED ANY TIME DURING THE WEEK OF THE CIRCLEVILLE PUMPKIN SHOW ON THE FOLLOWING ROUTES:
US 22 IN PICKAWAY COUNTY
US 23 IN PICKAWAY COUNTY
SR 104 IN PICKAWAY COUNTY

TOUR OF THE SCIOTO RIVER VALLEY – LANE OR SHOULDER CLOSURES ARE NOT PERMITTED ANY TIME DURING THE WEEKEND OF THE TOUR OF SCIOTO RIVER VALLEY ON THE FOLLOWING ROUTES:
US 23 BETWEEN EAST FULTON ST AND DERING AVE
SR 188 BETWEEN N COURT ST AND WATER ST
US 22 BETWEEN SCIOTO ST AND MILL RD
SR 104 BETWEEN CANAL RD AND PICKAWAY COUNTY LINE (SOUTH SIDE)

OSU HOME FOOTBALL GAME DAYS – LANE, RAMP OR SHOULDER CLOSURES ARE NOT PERMITTED FROM 3 HOURS PRIOR TO KICKOFF TO 2 HOURS FOLLOWING THE CONCLUSION OF THE GAME ON THE FOLLOWING ROUTES:
US 23 BETWEEN I-270 (NORTH SIDE) AND SR 229 (DELAWARE COUNTY)
US 23 BETWEEN I-270 (SOUTH SIDE) AND SR 361 (PICKAWAY COUNTY)
SR 315 BETWEEN I-70 AND US 23 (DELAWARE COUNTY)

OHIO STATE FAIR – LANE AND SHOULDER CLOSURES ON I-71 BETWEEN I-70 AND SR 161 AND RAMP CLOSURES TO AND FROM 11TH AVENUE AND 17TH AVENUE ARE NOT PERMITTED DURING FAIR HOURS FROM 2 HOURS PRIOR TO GATES OPENING TO 2 HOURS FOLLOWING THE END OF THE LAST EVENT INCLUDING BUT NOT LIMITED TO RELATED CONCERTS.

MAPFRE (CREW) STADIUM EVENTS WITH EXPECTED ATTENDANCE OVER 10,000 – LANE AND SHOULDER CLOSURES ON I-71 BETWEEN I-70 AND SR 161 AND RAMP CLOSURES TO AND FROM 11TH AVENUE, 17TH AVENUE AND HUDSON STREET ARE NOT PERMITTED FROM 2 HOURS PRIOR TO KICKOFF (INBOUND AND OUTBOUND) TO 2 HOURS FOLLOWING THE CONCLUSION OF THE EVENT (OUTBOUND ONLY).

GOOD GUYS NATIONAL – LANE AND SHOULDER CLOSURES ON I-71 BETWEEN I-70 AND SR 161 AND RAMP CLOSURES TO AND FROM 17TH AVENUE ARE NOT PERMITTED DURING SCHEDULED EVEN HOURS INCLUDING 2 HOURS PRIOR TO SCHEDULED EVENT HOURS.

QUARTERHORSE CONGRESS – I-71 RAMP CLOSURES TO AND FROM 17TH AVENUE ARE NOT PERMITTED 5AM-10PM DAILY DURING THE QUARTERHORSE CONGRESS EVENT.

EQUINE AFFAIR – I-71 RAMP CLOSURES TO AND FROM 17TH AVENUE ARE NOT PERMITTED FROM FRIDAY AT 6AM TO SUNDAY AT 6PM DURING THE EQUINE AFFAIR.

FARM SCIENCE REVIEW – LANE OR SHOULDER CLOSURES ARE NOT PERMITTED DURING THE FARM SCIENCE REVIEW 5AM-10PM DAILY ON THE FOLLOWING ROUTES:
I-70 BETWEEN SR 54 (CLARK COUNTY) AND SR 142
SR 38 BETWEEN SR 29 AND US 42
SR 56 BETWEEN HOUSTON PIKE AND US 42
US 40 BETWEEN SR 54 (CLARK COUNTY) AND SR 142
US 42 BETWEEN SR 38 AND SR 29
SR 29 BETWEEN I-70 AND SR 187

DELAWARE COUNTY FAIR – LANE OR SHOULDER CLOSURES ARE NOT PERMITTED DURING THE DELAWARE COUNTY FAIR 6AM-10PM DAILY ON THE FOLLOWING ROUTES:
US 23 BETWEEN SR 750 AND SR 98
US 36 BETWEEN SR 257 AND I-71
SR 37 BETWEEN SR 257 AND I-71
US 42 BETWEEN SR 229 AND SR 745
SR 521 BETWEEN US 36 AND SR 61

ALL OHIO BALLOON FESTIVAL – LANE OR RAMP CLOSURES ARE NOT PERMITTED DURING THE ALL OHIO BALLOON FESTIVAL AT THE UNION COUNTY AIRPORT 12PM-12AM DAILY ON THE FOLLOWING ROUTES:
US 33 BETWEEN US 42 AND SR 739
US 36 BETWEEN MIDDLEBURG-PLAIN CITY RD AND MACKAN RD
SR 4 BETWEEN MIDDLEBURG-PLAIN CITY RD AND COUNTY HOME RD
SR 31 BETWEEN AMRINE WOOD RD AND SR 38
SR 38 BETWEEN SR 161 AND SR 31
SR 245 BETWEEN BUCK RUN RD AND US 33
SR 736 BETWEEN US 42 AND SR 38

IRON MAN 70.3 – LANE OR SHOULDER CLOSURES ARE NOT PERMITTED DURING THE IRON MAN OHIO DURING THE EVENT OR THE WEEK PRECEDING IT ON THE FOLLOWING ROUTES:
US 23 BETWEEN WILLEY RD AND SR 98
SR 98 BETWEEN US 23 AND SR 309
SR 309 BETWEEN SR 98 AND SR 746
SR 746 BETWEEN SR 309 AND US 42
US 42 BETWEEN SR 746 AND WHEELER RD

3676-E

CIP: 540007-100060
PID NUMBER: 110521

GENERAL NOTES SHEET 11 OF 11
ODOT FREEWAY MOT

CITY OF COLUMBUS TRAFFIC SIGNAL SYSTEM
(CTSS) PHASE F - FINAL SUBMITTAL

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GN	SUB SUMMARY - VOLUME 1					SUB SUMMARY - VOLUME 2										TOTAL	PARTICIPATION		ITEM	QUANTITY	UNIT	DESCRIPTION	REFERENCE
23-29	35	36	37	38	39	248	249	250	251	252	253	254	255	256	257		CMAQ	LOCAL					
ROADWAY																							
1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	1	1		201	1	LS	CLEARING AND GRUBBING	CMSC
100	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	100	100		202	100	FT	CURB REMOVED	CMSC
400	476	-	-	-	-	343	-	-	-	-	-	-	-	-	-	1,219	1,219		202	1,219	SF	WALK REMOVED	CMSC
100	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	100	100		202	100	FT	CURB AND GUTTER REMOVED	CMSC
5,000	4,009	-	-	-	-	16,301	-	-	-	-	755	-	-	-	-	26,065	26,065		202	26,065	FT	EXISTING CONDUIT CLEANED, AS PER PLAN	SP-103
2	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	2	2		202	2	EACH	REMOVAL, MISC.: REMOVE EXISTING WOOD POLE	SP-103
-	4	-	-	-	-	7	-	-	-	-	-	-	-	-	-	11	11		202	11	EACH	REMOVAL, MISC.: REMOVE EXISTING OVERHEAD EQUIPMENT	CMSC
1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	1	1		207	1	LS	ESC/SWP3, AS PER PLAN	CMSC
3,938	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	3,938	3,938		254	3,938	SY	PAVEMENT PLANING, 1-1/2" DEEP	CMSC
313	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	313	313		407	313	GAL	TACK COAT	CMSC
150	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	150	150		441	150	CY	ASPHALT CONCRETE SURFACE COURSE, TYPE 1, (448), PG70-22M	CMSC
50	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	50	50		608	50	SF	DETECTABLE WARNING, TYPE E	SHEET 23, SCD 2319
200	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	200	200		608	200	SF	4" CONCRETE WALK	SHEET 23, SCD 2300
200	476	-	-	-	-	343	-	-	-	-	-	-	-	-	-	1,019	1,019		608	1,019	SF	8" CONCRETE WALK	SHEET 23, SCD 2301
4	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	4	4		608	4	EACH	CURB RAMP	CMSC, SCD 2319
50	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	50	50		609	50	FT	COMBINATION CURB AND GUTTER, TYPE STANDARD	SCD 2010
50	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	50	50		609	50	FT	COMBINATION CURB AND GUTTER, TYPE SPECIAL 8"	SCD 2020
50	20	-	-	-	-	-	-	-	-	-	-	-	-	-	-	70	70		609	70	FT	CURB, STRAIGHT 18"	SCD 2000
400	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	400	400		614	400	HR	LAW ENFORCEMENT OFFICER WITH PATROL CAR	SHEET 29
200	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	200	200		614	200	HR	LAW ENFORCEMENT OFFICER WITHOUT PATROL CAR	SHEET 29
1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	1	1		614	1	LS	MAINTAINING TRAFFIC, AS PER PLAN	SHEETS 28 - 30
24	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	24	24		616	24	TON	CALCIUM CHLORIDE	SHEET 23
10	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	10	10		616	10	M GAL	WATER	SHEET 23
18	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	18	18		619	18	MONTH	FIELD OFFICE, TYPE C	CMSC
1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	1	1		624	1	LS	MOBILIZATION	CMSC
250	-	-	1,931	-	-	-	-	2,324	-	-	-	-	-	-	-	4,505	4,505		632	4,505	FT	INTERCONNECT CABLE, MISC.: OVERLASH TO EXISTING INTERCONNECT	SP-103
500	-	-	10,268	-	-	-	-	331	-	-	-	-	-	-	-	11,099	11,099		632	11,099	FT	INTERCONNECT CABLE, MISC.: REMOVE EXISTING OVERHEAD INTERCONNECT	SP-103
1,000	-	-	384	-	-	-	-	-	-	-	-	-	-	-	-	1,384	1,384		632	1,384	FT	INTERCONNECT CABLE, MISC.: REMOVE EXISTING UNDERGROUND INTERCONNECT	SP-103
88,115	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	88,115	88,115		632	88,115	FT	INTERCONNECT, MISC.: UNDERGROUND FIBER OPTIC INSTALLATION	SP-103
10	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	10	10		659	10	M GAL	WATER	SHEET 23
2	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	2	2		807	2	EACH	VALVE BOX ADJUSTED TO GRADE	CMSC
2	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	2	2		807	2	EACH	VALVE BOX ADJUSTED TO GRADE USING RISER	CMSC
1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	1	1		SPEC	1	LS	CRITICAL PATH METHOD PROGRESS SCHEDULE FOR LONG DURATION PROJECTS	CMSC
25	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	25	25		SPEC	25	EACH	TOWING PARKED CARS	CMSC
INTERCONNECT																							
200	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	200	200		202	200	FT	CONCRETE BARRIER REMOVED	CMSC
250	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	250	250		605	250	EACH	4" PIPE UNDERDRAIN	CMSC
200	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	200	200		622	200	FT	BARRIER, MISC.: MEDIAN BARRIER WALL	SP-103
1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	1	1		625	1	EACH	36" MEDIAN JUNCTION BOX	SHEET 47
100	-	-	-	-	-	7	-	-	-	-	-	-	-	-	-	107	107		625	107	FT	CONDUIT, 2", AS PER PLAN	SP-103, SCD 4000
5,000	63	-	-	-	-	27,839	-	-	-	-	809	-	-	-	-	33,711	33,711		625	33,711	FT	CONDUIT, 3", AS PER PLAN	SP-103, SCD 4000
500	-	-	-	-	-	2,057	-	-	-	-	126	-	-	-	-	2,683	2,683		625	2,683	FT	CONDUIT, 4", AS PER PLAN	SP-103, CMSC, SCD 4000
2,000	12,725	-	-	-	-	7,329	-	-	-	-	-	-	-	-	-	22,054	22,054		625	22,054	FT	CONDUIT, CONCRETE ENCASED, 2-3", 725.051, AS PER PLAN	SP-103, SCD 4001
100	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	100	100		625	100	FT	CONDUIT, CONCRETE ENCASED, 4-3", 725.051, AS PER PLAN	SP-103, SCD 4001
100	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	100	100		625	100	FT	CONDUIT, JACKED OR DRILLED, 2", AS PER PLAN	SP-103, SCD 4000
2,400	-	9,827	-	-	-	-	11,213	-	-	-	-	340	-	-	-	23,780	23,780		625	23,780	FT	CONDUIT, JACKED OR DRILLED, 3", AS PER PLAN	SP-103, SCD 4000
100	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	100	100		625	100	FT	CONDUIT, JACKED OR DRILLED, 4", AS PER PLAN	SP-103, SCD 4000
-	-	872	-	-	-	-	1,332	-	-	-	-	-	-	-	-	2,204	2,204		625	2,204	FT	CONDUIT, MISC.: 4" CONDUIT, FIBER-GLASS REINFORCED, ATTACHED TO STRUCTURE	SHEETS 43, 44, SP-103
750	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	750	750		625	750	FT	CONDUIT, MISC.: CONDUIT REPAIR	SHEET 48, SP-103
20	-	-	66	-	-	-	-	89	-	-	-	-	-	-	-	175	175		625	175	EACH	PULL BOX, CONCRETE 32", AS PER PLAN	SP-103, SCD 4022
4	-	-	1	-	-	-	-	8	-	-	-	-	2	-	-	15	15		625	15	EACH	PULL BOX, CONCRETE 48", AS PER PLAN	SP-103, SCD 4023
20	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	20	20		625	20	EACH	PULL BOX, MISC.: PULL BOX REPAIRED	SP-103
5	-	-	1	-	-	-	-	3	-	-	-	-	-	-	-	9	9		625	9	EACH	PULL BOX, REMOVED, AS PER PLAN	SP-103
3,200	-	-	11,561	-	-	-	-	22,876	-	-	-	-	872	-	-	38,509	38,509		625	38,509	FT	TRENCH, 36" DEEP, AS PER PLAN	SP-103, SCD 4000
300	-	-	1,227	-	-	-	-	399	-	-	-	-	-	-	-	1,926	1,926		625	1,926	FT	TRENCH IN PAVED AREA, AS PER PLAN	SP-103
1,000	-	-	4,356	-	-	-	-	7,188	-	-	-	-	1,584	-	-	14,128	3,128	11,000	632	14,128	EACH	INTERCONNECT CABLE, MISC.: FIBER OPTIC FUSION SPLICE	SP-103
10	-	-	42	-	-	-	-	35	-	-	-	-	-	-	-	87	87		632	87	EACH	CONDUIT RISER, 2", 725.04, AS PER PLAN	SP-103, SCD 4050
-	-	-	1	-	-	-	-	9	-	-	-	-	3	-	-	13	13		632	13	EACH	CONDUIT RISER, 2", 725.051, AS PER PLAN	SP-103
10	-	-	24	-	-	-	-	15	-	-	-	-	-	-	-	49	49		632	49	EACH	DOWN GUY	CMSC
10	-	-	75	-	-	-	-	33	-	-	-	-	-	-	-	118	118		632	118	EACH	INTERCONNECT CABLE, MISC.: TERMINATION PANEL, 24 FIBER	SP-103

2 REVISION 2.0

3676-E

CIP: 540007–100060
PID NUMBER: 110521

GENERAL SUMMARY
1 OF 2

CITY OF COLUMBUS TRAFFIC SIGNAL SYSTEM
(CTSS) PHASE F – FINAL SUBMITTAL

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\\colw00\PWWork\Jobs\70202 – CTSS Phase F\TECHPROD\Sheets\CTSS_PhF_GEN_SUM.dwg – SHEET 1 OF 6 layout ~ last saved by: nseling 12/28/2022 03:12pm ~ printed 12/28/2022 03:16pm PSLTS: 0 LTS: 30 CAS: 1" = 1'

GN	SUB SUMMARY - VOLUME 1					SUB SUMMARY - VOLUME 2											PARTICIPATION		ITEM	QUANTITY	UNIT	DESCRIPTION	REFERENCE
23-29	35	36	37	38	39	248	249	250	251	252	253	254	255	256	257		CMAQ	LOCAL					
INTERCONNECT (CONTINUED)																							
15,000	-	-	106,772	-	-	-	-	81,428	-	-	-	-	225	-	-	203,425	78,425	125,000	632	203,425	FT	INTERCONNECT CABLE, MISC.: FIBER OPTIC CABLE, 144 STRAND	SP-103
500	-	-	-	-	-	-	-	2,632	-	-	-	-	300	-	-	3,432	3,432		632	3,432	FT	INTERCONNECT CABLE, MISC.: FIBER OPTIC CABLE, 24 STRAND	SP-103
5,000	-	-	-	-	-	-	-	19,435	-	-	-	-	150	-	-	24,585	12,293	12,292	632	24,585	FT	INTERCONNECT CABLE, MISC.: FIBER OPTIC CABLE, 288 STRAND	SP-103
250	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	250	250		632	250	EACH	INTERCONNECT CABLE, MISC.: FIBER OPTIC CABLE, 72 STRAND	SP-103
1,500	-	-	18,160	-	-	-	-	9,388	-	-	-	-	-	-	-	29,048	29,048		632	29,048	FT	INTERCONNECT CABLE, MISC.: FIBER OPTIC DROP CABLE, 24 STRAND	SP-103
-	-	-	-	-	-	-	-	-	4	-	-	-	-	-	-	4	4		632	4	EACH	INTERCONNECT, MISC.: PRE-TERMINATED FIBER OPTIC DROP CABLE, 24 STRAND, 150FT	SP-103
-	-	-	-	-	-	-	-	-	15	-	-	-	-	14	-	29	13	16	632	29	EACH	INTERCONNECT, MISC.: PRE-TERMINATED FIBER OPTIC DROP CABLE, 144 STRAND, 150FT	SP-103
-	-	-	-	-	-	-	-	-	4	-	-	-	-	-	-	4	4		632	4	EACH	INTERCONNECT, MISC.: PRE-TERMINATED FIBER OPTIC DROP CABLE, 144 STRAND, 475FT	SP-103
1	-	-	-	-	-	-	-	6	-	-	-	-	2	-	-	9	9		632	9	EACH	INTERCONNECT, MISC.: DUAL PANEL ASSEMBLY, 24 FIBER, 1 RU, PRE-TERMINATED	SP-103
-	-	-	-	-	-	-	-	-	6	-	-	-	-	-	-	6	6		632	6	EACH	INTERCONNECT, MISC.: TERMINATION PANEL, 24 FIBER, 1 RU	SP-103
-	-	-	-	-	-	-	-	-	14	-	-	-	-	8	-	22	11	11	632	22	EACH	INTERCONNECT, MISC.: TERMINATION PANEL, 144 FIBER, 4 RU	SP-103
1	-	-	-	-	-	-	-	-	2	-	-	-	-	3	-	6	2	4	632	6	EACH	INTERCONNECT, MISC.: TERMINATION PANEL, 288 FIBER, 4 RU	SP-103
6,200	-	-	-	74,599	-	-	-	-	40,749	-	-	-	-	1,151	-	122,699	122,699		632	122,699	FT	MESSENGER WIRE, 7 STRAND, 1/4" DIAMETER WITH ACCESSORIES, AS PER PLAN	SP-103, CSD 4330, CSD 4331 & CSD 4600
-	-	-	-	-	1	-	-	-	-	-	-	-	-	-	-	1	1		632	1	EACH	WOOD POLE, CLASS 5, 25 FT	CMSC
5	-	-	-	-	32	-	-	-	-	15	-	-	-	-	2	54	54		632	54	EACH	WOOD POLE, CLASS 5, 35 FT	CMSC
6	-	-	-	24	-	-	-	-	27	-	-	-	-	1	-	58	28	30	632	58	EACH	INTERCONNECT, MISC.: SPLICE ENCLOSURE, DOME, 288 SPLICE	SP-103
5	-	-	-	8	-	-	-	-	16	-	-	-	-	4	-	33	5	28	632	33	EACH	INTERCONNECT, MISC.: SPLICE ENCLOSURE, DOME, 800 SPLICE	SP-103
1,100	-	-	8,100	-	-	-	-	1,106	-	-	-	-	2,938	-	-	13,244	13,244		632	13,244	FT	INTERCONNECT, MISC.: CAT 5E CABLE, OUTDOOR RATED	SP-103
4	-	-	-	2	-	-	-	-	4	-	-	-	-	-	-	10	10		632	10	EACH	SPREAD SPECTRUM RADIO, AS PER PLAN	SP-103
100	-	-	-	48	-	-	-	-	-	-	-	-	-	-	-	148	148		632	148	FT	TETHER WIRE, WITH ACCESSORIES	CMSC
SIGNAL EQUIPMENT																							
4	22	-	-	-	-	-	-	-	-	-	-	-	-	-	-	26	26		625	26	EACH	BRACKET ARM, 6', AS PER PLAN	SP-103
-	5	-	-	-	-	2	-	-	-	-	8	-	-	-	-	15	15		625	15	EACH	BRACKET ARM, 30', AS PER PLAN	SP-103, SCD 4110
-	-	-	-	-	-	-	2,070	-	-	-	-	-	-	-	-	2,070	2,070		625	2,070	FT	DISTRIBUTION CABLE, NO. 1	CMSC
-	-	-	-	-	-	-	2,836	-	-	-	-	-	-	-	-	2,836	2,836		625	2,836	FT	DISTRIBUTION CABLE, NO. 1/0	CMSC
-	-	-	-	-	-	-	1,035	-	-	-	-	-	-	-	-	1,035	1,035		625	1,035	FT	DISTRIBUTION CABLE, NO. 2	CMSC
-	-	-	-	-	-	-	-	-	-	-	-	1,840	-	-	-	1,840	1,840		625	1,840	FT	DISTRIBUTION CABLE, NO. 4	CMSC
-	-	-	-	-	-	-	616	-	-	-	-	604	-	-	-	1,220	1,220		625	1,220	FT	DISTRIBUTION CABLE, NO. 6	CMSC
20	-	-	-	-	-	-	12	-	-	-	-	6	-	-	-	38	38		625	38	EACH	GROUND ROD	CMSC
-	-	-	-	-	-	-	1	-	-	-	-	-	-	-	-	1	1		625	1	EACH	POWER SERVICE, TYPE A, WITH METER SETTING, AS PER PLAN	SHEETS 258 - 263, SP-103
-	-	-	-	-	-	-	1	-	-	-	-	-	-	-	-	1	1		625	1	EACH	POWER SERVICE, TYPE B, WITH METER SETTING, AS PER PLAN	SHEETS 258 - 263, SP-103
-	-	-	-	-	-	-	1	-	-	-	-	-	-	-	-	1	1		625	1	EACH	POWER SERVICE, TYPE C, WITH METER SETTING, AS PER PLAN	SHEETS 258 - 263, SP-103
-	-	-	-	-	-	-	1	-	-	-	-	-	-	-	-	1	1		625	1	EACH	POWER SERVICE, TYPE D, WITH METER SETTING, AS PER PLAN	SHEETS 258 - 263, SP-103
-	-	-	-	-	-	-	-	-	-	-	-	1	-	-	-	1	1		625	1	EACH	POWER SERVICE, TYPE E, WITH METER SETTING, AS PER PLAN	SHEETS 258 - 263, SP-103
-	-	-	-	-	-	-	-	-	-	-	-	1	-	-	-	1	1		625	1	EACH	POWER SERVICE, TYPE F, WITH METER SETTING, AS PER PLAN	SHEETS 258 - 263, SP-103
2	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	2	2		625	2	EACH	PULL BOX, 18", 725.06, AS PER PLAN	SP-103
5	-	-	-	-	-	-	12	-	-	-	-	5	-	-	-	22	22		625	22	EACH	PULL BOX, 18", 725.08, AS PER PLAN	SP-103
4	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	4	4		625	4	EACH	PULL BOX, 24", 725.08	CMSC
-	-	-	-	-	-	-	-	-	2	-	-	-	-	-	-	2	2		632	2	EACH	REMOVAL OF BRACKET ARM	CMSC
-	-	-	-	38	-	-	-	-	-	-	-	-	-	-	-	38	38		632	38	EACH	ROADSIDE UNIT RADIO, AS PER PLAN	SP-103
2	-	-	-	6	-	-	-	-	4	-	-	-	-	24	-	36	36		632	36	EACH	SIGNALIZATION, MISC.: CCTV IP-CAMERA SYSTEM	SHEET 50, SP-103, SCD 4111
1	-	-	-	2	-	-	-	-	-	-	-	-	-	-	-	3	3		632	3	EACH	STRAIN POLE, DESIGN NO. 6	CMSC
1	-	-	-	2	-	-	-	-	-	-	-	-	-	-	-	3	3		632	3	EACH	STRAIN POLE FOUNDATION, DESIGN NO. 6	CMSC
5	-	-	-	6	-	-	-	-	4	-	-	-	-	-	-	15	15		632	15	EACH	SIGNALIZATION, MISC.: CELLULAR ETHERNET COMMUNICATIONS UNIT	SP-103
1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	1	1		633	1	EACH	CABINET, POLE MOUNTED, TYPE TS-2, AS PER PLAN	SP-103
1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	1	1		633	1	EACH	CABINET, GROUND MOUNTED, TYPE TS-2, AS PER PLAN	SP-103, SCD 4162
1	-	-	-	-	-	-	-	-	-	1	-	-	-	-	-	2	2		633	2	EACH	CABINET, POWER METER CABINET TYPE 2	SCD 4164
5	-	-	-	-	29	-	-	-	-	24	-	-	-	-	-	58	58		633	58	EACH	CONTROLLER UNIT, TYPE TS2/A2, AS PER PLAN	SP-103
NETWORK EQUIPMENT																							
-	-	-	-	-	-	-	-	-	-	4	-	-	-	-	2	6	6		633	6	EACH	CONTROLLER ITEM, MISC.: COMMUNICATIONS NODE	SHEET 59, SP-103
-	-	-	-	-	-	-	-	-	-	1	-	-	-	-	-	1	1		633	1	EACH	CONTROLLER ITEM, MISC.: CONTROLLER WORK PAD	SP-103
2	-	-	-	-	37	-	-	-	-	-	-	-	-	-	-	39	39		633	39	EACH	CONTROLLER ITEM, MISC.: CV APPLICATION MODULE	SP-103
-	-	-	-	-	-	-	-	-	-	2	-	-	-	-	1	3	3		633	3	EACH	CONTROLLER ITEM, MISC.: FIBER OPTIC ETHERNET TRANSCEIVER, LONG RANGE	SP-103
15	-	-	-	-	125	-	-	-	-	93	-	-	-	-	18	251	251		633	251	EACH	CONTROLLER ITEM, MISC.: FIBER OPTIC ETHERNET TRANSCEIVER, SHORT RANGE	SP-103
4	-	-	-	-	40	-	-	-	-	4	-	-	-	-	19	67	67		633	67	EACH	CONTROLLER ITEM, MISC.: POE ENABLED LAYER 2 ETHERNET SWITCH	SP-103
4	-	-	-	-	28	-	-	-	-	24	-	-	-	-	-	56	56		633	56	EACH	CONTROLLER ITEM, MISC.: LAYER 2 ETHERNET SWITCH	SP-103
-	-	-	-	-	-	-	-	-	-	6	-	-	-	-	3	9	9		633	9	EACH	CONTROLLER ITEM, MISC.: LAYER 3 ETHERNET SWITCH, ENVIRONMENTALLY HARDENED	SP-103
1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	1	1		633	1	LS	SIGNALIZATION, MISC.: SYSTEM INTEGRATION	SP-103

REVISION 2.0

3676-E

CIP: 540007–100060
PID NUMBER: 110521

GENERAL SUMMARY
2 OF 2

CITY OF COLUMBUS TRAFFIC SIGNAL SYSTEM
(CTSS) PHASE F – FINAL SUBMITTAL

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768

\\colw00\PMWork\Jobs\70202 – CTSS Phase F\TECHPROD\Sheets\CTSS_PhF_GEN_SUM.dwg – SHEET 2 OF 6 layout ~ last saved by: nseling 12/28/2022 03:12pm ~ printed 12/28/2022 03:17pm PSLTS: 0 LTS: 30 CAS: 1" = 1'

LOCATION	SHEET NO.	202 EXISTING CONDUIT CLEANED, AS PER PLAN (FT)	202 REMOVAL, MISC.: REMOVE EXISTING AERIAL STANDOFF, POLE MOUNTED (EACH)	202 REMOVAL, MISC.: REMOVE EXISTING OVERHEAD EQUIPMENT (EACH)	202 REMOVAL, MISC.: REMOVE EXISTING WOOD POLE (EACH)	202 CONCRETE BARRIER REMOVED (FT)	202 WALK REMOVED (SF)	605 4" PIPE UNDERDRAIN (EACH)	608 8" CONCRETE WALK (SF)	609 CURB, STRAIGHT 18" (FT)	622 BARRIER, MISC.: MEDIAN BARRIER WALL (FT)	625 36" MEDIAN JUNCTION BOX (EACH)	625 BRACKET ARM, 6', AS PER PLAN (EACH)	625 BRACKET ARM, 30', AS PER PLAN (EACH)	625 CONDUIT, 2", AS PER PLAN (FT)	625 CONDUIT, 3", AS PER PLAN (FT)	625 CONDUIT, 4", AS PER PLAN (FT)	625 CONDUIT, CONCRETE ENCASED, 2-3", 725.051, AS PER PLAN (FT)	625 CONDUIT, CONCRETE ENCASED, 4-3", 725.051, AS PER PLAN (FT)	625 CONDUIT, JACKED OR DRILLED, 2", AS PER PLAN (FT)
SAWMILL RD.	63	55	-	-	-	-	-	-	-	-	-	-	2	1	-	-	-	-	-	-
SAWMILL RD.	66	43	-	-	-	-	-	-	-	-	-	-	3	-	-	-	-	-	-	-
SAWMILL RD.	69	35	-	-	-	-	-	-	-	-	-	-	3	-	-	-	-	-	-	-
SAWMILL RD.	71	194	-	-	-	-	-	-	-	-	-	-	1	-	-	-	-	-	-	-
HENDERSON RD.	75	42	-	-	-	-	-	-	-	-	-	-	3	-	-	-	-	-	-	-
HENDERSON RD.	79	69	-	-	-	-	-	-	-	-	-	-	3	-	-	-	-	-	-	-
HENDERSON RD.	83	344	-	-	-	-	-	-	-	-	-	-	2	-	-	-	-	-	-	-
BETHEL RD.	86	28	-	-	-	-	-	-	-	-	-	-	2	1	-	-	-	-	-	-
BETHEL RD.	89	52	-	-	-	-	-	-	-	-	-	-	2	-	-	-	-	-	-	-
BETHEL RD.	91	30	-	-	-	-	-	-	-	-	-	-	1	-	-	-	-	-	-	-
AVERY RD.	95	133	-	-	-	-	214	-	214	-	-	-	-	-	-	-	-	38	-	-
SNOUFFER RD.	103	21	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
SMOKY ROW RD.	109	77	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	229	-	-
SMOKY ROW RD.	115	23	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WEST CASE RD.	122	15	-	-	-	-	-	-	-	-	-	-	-	1	-	-	-	4,062	-	-
WEST CASE RD.	123	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
CENTRAL COLLEGE RD.	132	1,740	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	207	-	-
HAMILTON RD.	139	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	4,841	-	-
OAKLAND PARK AVE.	143	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
GEMINI PL.	147	260	-	-	-	-	122	-	122	-	-	-	-	-	-	-	-	414	-	-
POLARIS PKWY.	150	9	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WORTHINGTON GALENA RD.	154	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WEBER RD.	157	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WESTERVILLE RD.	160	28	-	2	-	-	-	-	-	-	-	-	-	-	-	-	-	113	-	-
SUNBURY RD.	164	240	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	54	-	-
MORSE RD.	171	90	-	-	-	-	32	-	32	-	-	-	-	1	-	-	-	932	-	-
FIFTH AVE.	178	32	-	-	-	-	-	-	-	-	-	-	-	1	-	-	-	43	-	-
FIFTH AVE.	185	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	29	-	-
FIFTH AVE.	192	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	12	-	-
FIFTH AVE.	195	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	23	-	-
FIFTH AVE.	201	20	-	-	-	-	72	-	72	20	-	-	-	-	-	-	-	942	-	-
SUNBURY RD.	205	39	-	-	-	-	-	-	-	-	-	-	-	-	-	63	-	-	-	-
AIRPORT DR.	208	7	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
CASSADY AVE.	215	17	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	82	-	-
WOODLAND RD.	222	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
BROAD ST.	226	366	-	2	-	-	36	-	36	-	-	-	-	-	-	-	-	704	-	-
SUB TOTAL		**4,009**	**-**	**4**	**-**	**-**	**476**	**-**	**476**	**20**	**-**	**-**	**22**	**5**	**-**	**63**	**-**	**12,725**	**-**	**-**

REVISION 2.0

3676-E

CIP: 540007–100060
PID NUMBER: 110521

SUB SUMMARY
VOLUME 1 – SHEET 1A

CITY OF COLUMBUS TRAFFIC SIGNAL SYSTEM
(CTSS) PHASE F – FINAL SUBMITTAL

35
768

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LOCATION	SHEET NO.	625 CONDUIT, JACKED OR DRILLED, 3", AS PER PLAN FT	625 CONDUIT, JACKED OR DRILLED, 4", AS PER PLAN FT	625 CONDUIT, MISC.: 4" CONDUIT, FIBER-GLASS REINFORCED, ATTACHED TO STRUCTURE FT	625 CONDUIT, MISC.: CONDUIT RESTORATION FT	625 DISTRIBUTION CABLE, NO. 1 FT	625 DISTRIBUTION CABLE, NO. 1/0 FT	625 DISTRIBUTION CABLE, NO. 2 FT	625 DISTRIBUTION CABLE, NO. 4 FT	625 DISTRIBUTION CABLE, NO. 6 FT	625 GROUND ROD EACH	625 POWER SERVICE, TYPE A, WITH METER SETTING, AS PER PLAN EACH	625 POWER SERVICE, TYPE B, WITH METER SETTING, AS PER PLAN EACH	625 POWER SERVICE, TYPE C, WITH METER SETTING, AS PER PLAN EACH	625 POWER SERVICE, TYPE D, WITH METER SETTING, AS PER PLAN EACH	625 POWER SERVICE, TYPE E, WITH METER SETTING, AS PER PLAN EACH	625 POWER SERVICE, TYPE F, WITH METER SETTING, AS PER PLAN EACH	625 PULL BOX, 18", 725.06, AS PER PLAN EACH	625 PULL BOX, 18", 725.08, AS PER PLAN EACH	625 PULL BOX, 24", 725.08 EACH
SAWMILL RD.	63	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
SAWMILL RD.	66	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
SAWMILL RD.	69	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
SAWMILL RD.	71	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
HENDERSON RD.	75	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
HENDERSON RD.	79	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
HENDERSON RD.	83	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
BETHEL RD.	86	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
BETHEL RD.	89	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
BETHEL RD.	91	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
AVERY RD.	95	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
SNOUFFER RD.	103	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
SMOKY ROW RD.	109	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
SMOKY ROW RD.	115	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WEST CASE RD.	122	776	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WEST CASE RD.	123	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
CENTRAL COLLEGE RD.	132	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
HAMILTON RD.	139	2,550	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
OAKLAND PARK AVE.	143	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
GEMINI PL.	147	3,756	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
POLARIS PKWY.	150	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WORTHINGTON GALENA RD.	154	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WEBER RD.	157	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WESTERVILLE RD.	160	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
SUNBURY RD.	164	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
MORSE RD.	171	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
FIFTH AVE.	178	-	-	456	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
FIFTH AVE.	185	330	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
FIFTH AVE.	192	12	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
FIFTH AVE.	195	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
FIFTH AVE.	201	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
SUNBURY RD.	205	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
AIRPORT DR.	208	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
CASSADY AVE.	215	245	-	416	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WOODLAND RD.	222	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
BROAD ST.	226	2,158	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
SUB TOTAL		**9,827**	-	**872**	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-

2 REVISION 2.0

3676-E

CIP: 540007-100060
PID NUMBER: 110521

SUB SUMMARY
VOLUME 1 – SHEET 1B

CITY OF COLUMBUS TRAFFIC SIGNAL SYSTEM
(CTSS) PHASE F – FINAL SUBMITTAL

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LOCATION	SHEET NO.	625 PULL BOX, CONCRETE 32", AS PER PLAN EACH	625 PULL BOX, CONCRETE 48", AS PER PLAN EACH	625 PULL BOX, REMOVED, AS PER PLAN EACH	625 TRENCH, 36" DEEP, AS PER PLAN FT	625 TRENCH IN PAVED AREA, AS PER PLAN FT	632 CONDUIT RISER, 2", 725.04, AS PER PLAN EACH	632 CONDUIT RISER, 2", 725.051, AS PER PLAN EACH	632 DOWN GUY EACH	632 INTERCONNECT CABLE, MISC.: FIBER OPTIC CABLE, 144 STRAND FT	632 INTERCONNECT CABLE, MISC.: FIBER OPTIC CABLE, 24 STRAND FT	632 INTERCONNECT CABLE, MISC.: FIBER OPTIC CABLE, 288 STRAND FT	632 INTERCONNECT CABLE, MISC.: FIBER OPTIC DROP CABLE, 24 STRAND FT	632 INTERCONNECT CABLE, MISC.: FIBER OPTIC FUSION SPLICE EACH	632 INTERCONNECT CABLE, MISC.: OVERLASH TO EXISTING INTERCONNECT FT	632 INTERCONNECT CABLE, MISC.: REMOVE EXISTING OVERHEAD INTERCONNECT FT	632 INTERCONNECT CABLE, MISC.: REMOVE EXISTING UNDERGROUND INTERCONNECT FT	632 INTERCONNECT CABLE, MISC.: TERMINATION PANEL, 24 FIBER EACH	632 INTERCONNECT, MISC.: CAT 5E CABLE, OUTDOOR RATED FT	632 INTERCONNECT, MISC.: DUAL PANEL ASSEMBLY, 24 FIBER, 1 RU, PRE-TERMINATED EACH
SAWMILL RD.	63	-	-	-	-	-	-	-	-	-	-	-	1,243	96	325	-	-	5	926	-
SAWMILL RD.	66	-	-	-	-	-	-	-	-	-	-	-	676	72	93	-	-	3	531	-
SAWMILL RD.	69	-	-	-	-	-	-	-	-	-	-	-	232	24	38	-	-	1	609	-
SAWMILL RD.	71	-	-	-	-	-	-	-	-	-	-	-	-	-	51	-	-	-	384	-
HENDERSON RD.	75	-	-	-	-	-	-	-	-	-	-	-	1,220	120	199	-	-	6	702	-
HENDERSON RD.	79	-	-	-	-	-	-	-	-	-	-	-	1,193	120	279	-	-	5	986	-
HENDERSON RD.	83	-	-	-	-	-	-	-	-	-	-	-	1,016	84	242	-	-	5	790	-
BETHEL RD.	86	-	-	-	-	-	-	-	-	-	-	-	844	96	96	-	-	4	607	-
BETHEL RD.	89	-	-	-	-	-	-	-	-	-	-	-	1,164	108	97	-	-	5	745	-
BETHEL RD.	91	-	-	-	-	-	-	-	-	-	-	-	550	48	160	-	-	2	416	-
AVERY RD.	95	1	-	-	38	-	2	-	-	3,682	-	-	355	24	15	-	-	2	-	-
SNOUFFER RD.	103	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	465	-
SMOKY ROW RD.	109	2	1	1	229	-	5	-	-	6,679	-	-	724	288	-	262	-	3	-	-
SMOKY ROW RD.	115	-	-	-	-	-	-	-	-	5,846	-	-	319	12	-	5,437	-	1	-	-
WEST CASE RD.	122	13	-	-	4,062	-	4	-	-	5,120	-	-	768	48	21	-	-	3	283	-
WEST CASE RD.	123	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
CENTRAL COLLEGE RD.	132	2	-	-	207	-	4	-	6	9,898	-	-	887	324	-	-	-	3	-	-
HAMILTON RD.	139	18	-	-	4,841	-	-	-	-	6,491	-	-	-	144	-	-	-	-	-	-
OAKLAND PARK AVE.	143	-	-	-	-	-	2	-	-	1,545	-	-	521	48	25	-	-	3	-	-
GEMINI PL.	147	6	-	-	414	-	-	-	-	2,923	-	-	319	180	-	-	-	2	-	-
POLARIS PKWY.	150	-	-	-	-	-	-	-	-	-	-	-	104	132	-	-	-	1	-	-
WORTHINGTON GALENA RD.	154	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WEBER RD.	157	-	-	-	-	-	-	-	-	2,082	-	-	428	312	103	1,432	-	2	55	-
WESTERVILLE RD.	160	1	-	-	113	-	-	-	-	1,893	-	-	327	132	-	-	-	1	-	-
SUNBURY RD.	164	-	-	-	54	-	-	1	-	2,350	-	-	285	156	-	-	-	1	-	-
MORSE RD.	171	6	-	-	62	870	2	-	4	7,294	-	-	-	288	-	-	-	-	201	-
FIFTH AVE.	178	2	-	-	43	-	3	-	-	5,962	-	-	1,372	252	70	-	-	6	337	-
FIFTH AVE.	185	1	-	-	29	-	3	-	1	8,430	-	-	198	24	-	-	-	1	-	-
FIFTH AVE.	192	1	-	-	12	-	2	-	3	7,800	-	-	325	24	-	1,194	-	1	-	-
FIFTH AVE.	195	-	-	-	23	-	4	-	-	1,481	-	-	180	156	-	1,181	-	1	-	-
FIFTH AVE.	201	4	-	-	585	357	4	-	3	4,358	-	-	344	312	111	-	-	1	-	-
SUNBURY RD.	205	-	-	-	63	-	1	-	1	3,533	-	-	1,138	216	6	65	-	3	-	-
AIRPORT DR.	208	-	-	-	-	-	-	-	-	2,468	-	-	293	24	-	697	-	1	-	-
CASSADY AVE.	215	3	-	-	82	-	6	-	2	7,796	-	-	1,135	60	-	-	-	3	63	-
WOODLAND RD.	222	-	-	-	-	-	-	-	4	6,742	-	-	-	144	-	-	-	-	-	-
BROAD ST.	226	6	-	-	704	-	-	-	-	2,399	-	-	-	288	-	-	384	-	-	-
SUB TOTAL		66	1	1	11,561	1,227	42	1	24	106,772	-	-	18,160	4,356	1,931	10,268	384	75	8,100	-

REVISION 2.0

3676-E

CIP: 540007–100060
PID NUMBER: 110521

SUB SUMMARY
VOLUME 1 – SHEET 1C

CITY OF COLUMBUS TRAFFIC SIGNAL SYSTEM
(CTSS) PHASE F – FINAL SUBMITTAL

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\\colw00\PWWork\Jobs\70202 – CTSS Phase F\TECHPROD\Sheets\CTSS_PhF_SUB_SUM_Volume1.dwg – VOLUME 1 – SHEET 3 OF 10 layout ~ last saved by: nseling 12/28/2022 03:16pm ~ printed 12/28/2022 03:18pm PSLTS: 0 LTS: 30 CAS: 1" = 1"

LOCATION	SHEET NO.	632 INTERCONNECT, MISC.: PRE-TERMINATED FIBER OPTIC DROP CABLE, 144 STRAND, 150FT EACH	632 INTERCONNECT, MISC.: PRE-TERMINATED FIBER OPTIC DROP CABLE, 144 STRAND, 475FT EACH	632 INTERCONNECT, MISC.: PRE-TERMINATED FIBER OPTIC DROP CABLE, 24 STRAND, 150FT EACH	632 INTERCONNECT, MISC.: PRE-TERMINATED FIBER OPTIC DROP CABLE, 24 STRAND, 475FT EACH	632 INTERCONNECT, MISC.: SPLICE ENCLOSURE, DOME, 288 SPLICE EACH	632 INTERCONNECT, MISC.: SPLICE ENCLOSURE, DOME, 800 SPLICE EACH	632 INTERCONNECT, MISC.: TERMINATION PANEL, 144 FIBER, 4 RU EACH	632 INTERCONNECT, MISC.: TERMINATION PANEL, 24 FIBER, 1 RU EACH	632 INTERCONNECT, MISC.: TERMINATION PANEL, 288 FIBER, 4 RU EACH	632 MESSENGER WIRE, 7 STRAND, 1/4" DIAMETER WITH ACCESSORIES, AS PER PLAN FT	632 REMOVAL OF BRACKET ARM EACH	632 ROADSIDE UNIT RADIO, AS PER PLAN EACH	632 SIGNALIZATION, MISC.: CCTV COMPOSITE CABLE FT	632 SIGNALIZATION, MISC.: CCTV IP-CAMERA SYSTEM EACH	632 SIGNALIZATION, MISC.: CELLULAR ETHERNET COMMUNICATIONS UNIT EACH	632 SPREAD SPECTRUM RADIO, AS PER PLAN EACH	632 STRAIN POLE, DESIGN NO. 6 EACH	632 STRAIN POLE FOUNDATION, DESIGN NO. 6 EACH	632 TETHER WIRE, WITH ACCESSORIES FT
SAWMILL RD.	63	-	-	-	-	-	-	-	-	-	239	-	4	-	1	-	-	-	-	-
SAWMILL RD.	66	-	-	-	-	-	-	-	-	-	305	-	3	-	-	-	-	-	-	-
SAWMILL RD.	69	-	-	-	-	-	-	-	-	-	391	-	3	-	-	-	-	-	-	-
SAWMILL RD.	71	-	-	-	-	-	-	-	-	-	-	-	2	-	-	-	-	-	-	-
HENDERSON RD.	75	-	-	-	-	-	-	-	-	-	243	-	5	-	-	-	-	-	-	-
HENDERSON RD.	79	-	-	-	-	-	-	-	-	-	600	-	5	-	-	-	-	-	-	-
HENDERSON RD.	83	-	-	-	-	-	-	-	-	-	213	-	4	-	-	-	-	-	-	48
BETHEL RD.	86	-	-	-	-	-	-	-	-	-	109	-	5	-	1	-	-	-	-	-
BETHEL RD.	89	-	-	-	-	-	-	-	-	-	423	-	4	-	-	-	-	-	-	-
BETHEL RD.	91	-	-	-	-	-	-	-	-	-	242	-	2	-	-	-	-	-	-	-
AVERY RD.	95	-	-	-	-	1	1	-	-	-	2,794	-	-	-	-	1	-	-	-	-
SNOUFFER RD.	103	-	-	-	-	-	-	-	-	-	299	-	-	-	-	-	2	1	1	-
SMOKY ROW RD.	109	-	-	-	-	2	1	-	-	-	5,264	-	-	-	-	-	-	-	-	-
SMOKY ROW RD.	115	-	-	-	-	1	-	-	-	-	5,437	-	-	-	-	-	-	-	-	-
WEST CASE RD.	122	-	-	-	-	1	1	-	-	-	410	-	1	-	1	1	-	-	-	-
WEST CASE RD.	123	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
CENTRAL COLLEGE RD.	132	-	-	-	-	1	1	-	-	-	7117	-	-	-	-	-	-	-	-	-
HAMILTON RD.	139	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
OAKLAND PARK AVE.	143	-	-	-	-	1	-	-	-	-	1,456	-	-	-	-	-	-	-	-	-
GEMINI PL.	147	-	-	-	-	1	-	-	-	-	-	-	-	-	-	-	-	-	-	-
POLARIS PKWY.	150	-	-	-	-	1	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WORTHINGTON GALENA RD.	154	-	-	-	-	-	-	-	-	-	-	-	-	-	-	3	-	-	-	-
WEBER RD.	157	-	-	-	-	-	-	-	-	-	1,432	-	-	-	-	-	-	-	-	-
WESTERVILLE RD.	160	-	-	-	-	1	1	-	-	-	1,549	-	-	-	-	-	-	-	-	-
SUNBURY RD.	164	-	-	-	-	-	1	-	-	-	1,976	-	-	-	-	1	-	-	-	-
MORSE RD.	171	-	-	-	-	-	-	-	-	-	5,578	-	-	-	1	-	-	1	1	-
FIFTH AVE.	178	-	-	-	-	4	1	-	-	-	5,023	-	-	-	1	-	-	-	-	-
FIFTH AVE.	185	-	-	-	-	1	-	-	-	-	6,069	-	-	-	-	-	-	-	-	-
FIFTH AVE.	192	-	-	-	-	1	-	-	-	-	6,992	-	-	-	-	-	-	-	-	-
FIFTH AVE.	195	-	-	-	-	1	-	-	-	-	1,398	-	-	-	-	-	-	-	-	-
FIFTH AVE.	201	-	-	-	-	1	-	-	-	-	3,029	-	-	-	-	-	-	-	-	-
SUNBURY RD.	205	-	-	-	-	2	1	-	-	-	2,265	-	-	-	-	-	-	-	-	-
AIRPORT DR.	208	-	-	-	-	1	-	-	-	-	2,168	-	-	-	-	-	-	-	-	-
CASSADY AVE.	215	-	-	-	-	3	-	-	-	-	5,511	-	-	-	1	-	-	-	-	-
WOODLAND RD.	222	-	-	-	-	-	-	-	-	-	6,067	-	-	-	-	-	-	-	-	-
BROAD ST.	226	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
SUB TOTAL		-	-	-	-	24	8	-	-	-	74,599	-	38	-	6	6	2	2	2	48

REVISION 2.0

3676-E

CIP: 540007-100060
PID NUMBER: 110521

SUB SUMMARY
VOLUME 1 – SHEET 1D

CITY OF COLUMBUS TRAFFIC SIGNAL SYSTEM
(CTSS) PHASE F – FINAL SUBMITTAL

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\\colw001\PMWork\Jobs\70202 – CTSS Phase F\TECHPROD\Sheets\CTSS_PhF_SUB_SUM_Volume1.dwg – VOLUME 1 – SHEET 4 OF 10 layout ~ last saved by: nseling 12/28/2022 03:16pm ~ printed 12/28/2022 03:19pm PSLTS: 0 LTS: 30 CAS: 1" = 1"

LOCATION	SHEET NO.	632	632	633	633	633	633	633	633	633	633	633	633	633					
		WOOD POLE, CLASS 5, 25 FT	WOOD POLE, CLASS 5, 35 FT	CABINET, GROUND MOUNTED, TYPE TS-2, AS PER PLAN	CABINET, POLE MOUNTED, TYPE TS-2, AS PER PLAN	CABINET, POWER METER CABINET TYPE 1	CONTROLLER ITEM, MISC.: COMMUNICATIONS NODE	CONTROLLER ITEM, MISC.: CONTROLLER WORK PAD	CONTROLLER ITEM, MISC.: CV APPLICATION MODULE	CONTROLLER ITEM, MISC.: FIBER OPTIC ETHERNET TRANSCEIVER, LONG RANGE	CONTROLLER ITEM, MISC.: FIBER OPTIC ETHERNET TRANSCEIVER, SHORT RANGE	CONTROLLER ITEM, MISC.: LAYER 2 ETHERNET SWITCH	CONTROLLER ITEM, MISC.: LAYER 3 ETHERNET SWITCH, ENVIRONMENTALLY HARDENED	CONTROLLER ITEM, MISC.: POE ENABLED LAYER 2 ETHERNET SWITCH	CONTROLLER UNIT, TYPE TS2/A2, AS PER PLAN					
		EACH	EACH	EACH	EACH	EACH	EACH	EACH	EACH	EACH	EACH	EACH	EACH	EACH	EACH					
SAWMILL RD.	63	-	-	-	-	-	-	-	4	-	7	-	-	5	-					
SAWMILL RD.	66	-	-	-	-	-	-	-	3	-	6	-	-	3	-					
SAWMILL RD.	69	-	-	-	-	-	-	-	3	-	3	-	-	1	-					
SAWMILL RD.	71	-	-	-	-	-	-	-	2	-	-	-	-	-	-					
HENDERSON RD.	75	-	-	-	-	-	-	-	5	-	10	-	-	5	-					
HENDERSON RD.	79	-	-	-	-	-	-	-	5	-	10	-	-	5	-					
HENDERSON RD.	83	-	-	-	-	-	-	-	4	-	8	-	-	5	-					
BETHEL RD.	86	-	-	-	-	-	-	-	4	-	9	-	-	5	-					
BETHEL RD.	89	-	-	-	-	-	-	-	4	-	8	-	-	4	-					
BETHEL RD.	91	-	-	-	-	-	-	-	2	-	4	-	-	2	-					
AVERY RD.	95	-	-	-	-	-	-	-	-	-	-	1	-	-	1					
SNOUFFER RD.	103	-	-	-	-	-	-	-	-	-	-	1	-	-	1					
SMOKY ROW RD.	109	-	1	-	-	-	-	-	-	-	6	2	-	-	2					
SMOKY ROW RD.	115	-	-	-	-	-	-	-	-	-	1	1	-	-	1					
WEST CASE RD.	122	-	-	-	-	-	-	-	1	-	-	-	-	-	-					
WEST CASE RD.	123	-	-	-	-	-	-	-	-	-	4	2	-	2	2					
CENTRAL COLLEGE RD.	132	-	5	-	-	-	-	-	-	-	4	1	-	-	1					
HAMILTON RD.	139	-	-	-	-	-	-	-	-	-	2	-	-	-	-					
OAKLAND PARK AVE.	143	-	-	-	-	-	-	-	-	-	4	2	-	-	2					
GEMINI PL.	147	-	-	-	-	-	-	-	-	-	2	1	-	-	-					
POLARIS PKWY.	150	-	-	-	-	-	-	-	-	-	2	-	-	-	-					
WORTHINGTON GALENA RD.	154	-	-	-	-	-	-	-	-	-	-	3	-	-	3					
WEBER RD.	157	-	-	-	-	-	-	-	-	-	-	-	-	-	-					
WESTERVILLE RD.	160	-	-	-	-	-	-	-	-	-	2	-	-	-	-					
SUNBURY RD.	164	-	-	-	-	-	-	-	-	-	-	1	-	-	1					
MORSE RD.	171	-	1	-	-	-	-	-	-	-	2	-	-	1	-					
FIFTH AVE.	178	-	-	-	-	-	-	-	-	-	10	4	-	1	5					
FIFTH AVE.	185	-	-	-	-	-	-	-	-	-	2	1	-	-	1					
FIFTH AVE.	192	-	19	-	-	-	-	-	-	-	2	1	-	-	1					
FIFTH AVE.	195	1	-	-	-	-	-	-	-	-	2	1	-	-	1					
FIFTH AVE.	201	-	-	-	-	-	-	-	-	-	2	1	-	-	1					
SUNBURY RD.	205	-	1	-	-	-	-	-	-	-	4	2	-	-	2					
AIRPORT DR.	208	-	-	-	-	-	-	-	-	-	2	1	-	-	1					
CASSADY AVE.	215	-	3	-	-	-	-	-	-	-	5	2	-	1	3					
WOODLAND RD.	222	-	2	-	-	-	-	-	-	-	-	-	-	-	-					
BROAD ST.	226	-	-	-	-	-	-	-	-	-	2	-	-	-	-					
SUB TOTAL		**1**	**32**	**-**	**-**	**-**	**-**	**-**	**37**	**-**	**125**	**28**	**-**	**40**	**29**	**-**	**-**	**-**	**-**	**-**

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3676-E

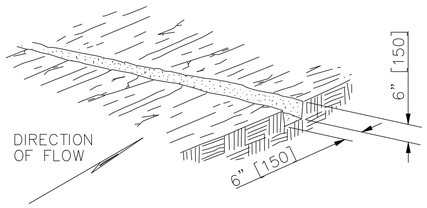
CIP: 540007-100060
PID NUMBER: 110521

SUB SUMMARY
VOLUME 1 – SHEET 1E

CITY OF COLUMBUS TRAFFIC SIGNAL SYSTEM
(CTSS) PHASE F – FINAL SUBMITTAL

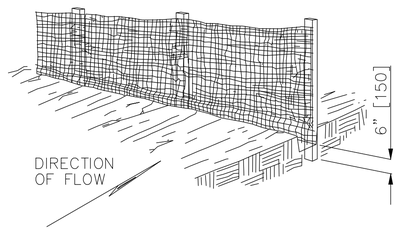
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PERIMETER FILTER FABRIC FENCE



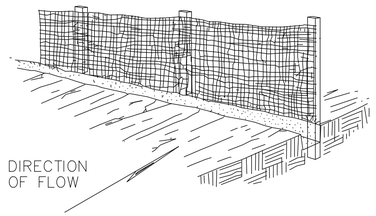
EXCAVATE A 6"X6" [150X150] TRENCH
ALONG THE PROPOSED FENCE LINE.

STEP 1



PLACE FABRIC AND SUPPORT STAKES
AND EXTEND FABRIC INTO THE TRENCH.

STEP 2



BACKFILL AND COMPACT THE EXCAVATED SOIL.

STEP 3

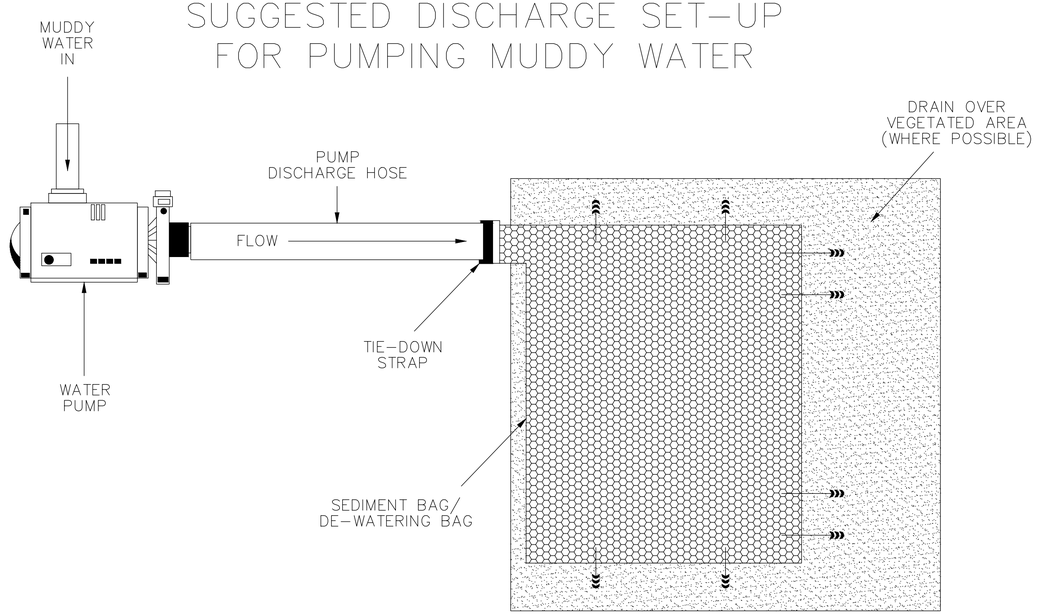
NOTES

MATERIALS:
FURNISH 30" [0.8 M] WIDE FILTER FABRIC WITH SOUND WOOD SUPPORTS WITH MAXIMUM ON-CENTER SPACING OF 10' [3.0 M]. USE FILTER FABRIC CONFORMING TO 712.09, TYPE C.

CONSTRUCTION:
TRENCH THE FILTER FABRIC FENCE AS DETAILED. THE CONTRACTOR MAY ELECT TO TRENCH THE FENCE DETAILED ON STEPS 1 THROUGH 3 IN ONE PLOWING OPERATION.

PAYMENT:
ALL LABOR AND MATERIALS REQUIRED FOR THE INSTALLATION OF PERIMETER FILTERS SHALL BE CONSIDERED INCIDENTAL TO THE COST OF ITEM 207: ESC/SWP3 PAY ITEMS - AS PER PLAN.

SUGGESTED DISCHARGE SET-UP FOR PUMPING MUDDY WATER



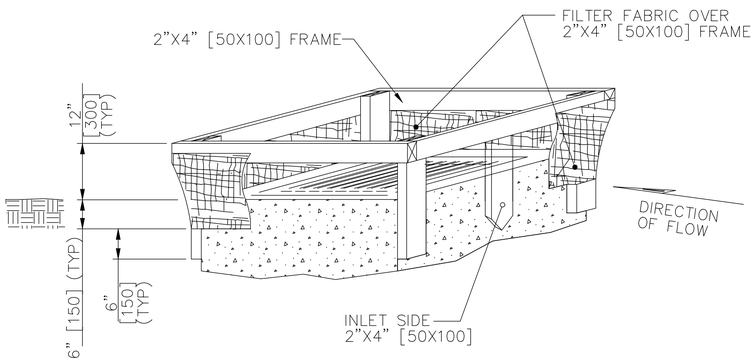
NOTES

THE PUMPING OR DIRECT DISCHARGE OF SEDIMENT-LADEN (MUDDY) WATER TO THE CITY'S SEWER SYSTEM OR A RECEIVING STREAM IS A VIOLATION OF OHIO EPA AND CITY OF COLUMBUS REGULATIONS.

ALL INLETS RECEIVING FLOW FROM RUNOFF, PUMPING ACTIVITIES, OR OTHER DIRECT DISCHARGES SHALL BE FITTED WITH AN INLET PROTECTION DEVICE THAT IS PROPERLY SIZED AND SECURED TO REDUCE THE DISCHARGE OF SEDIMENT INTO THE STORM SEWER SYSTEM AND RECEIVING STREAM. INLET PROTECTION IS REQUIRED ON ALL INLETS RECEIVING DISCHARGE REGARDLESS OF WHETHER OR NOT THE INLET IS TRIBUTARY TO ANY DOWNSTREAM EROSION AND SEDIMENT CONTROLS.

DISCHARGE HOSES USED DURING PUMPING ACTIVITIES SHALL BE FITTED WITH SEDIMENT BAGS THAT ARE PROPERLY SIZED PER MANUFACTURER'S RECOMMENDATIONS REGARDLESS OF WHAT OTHER SEDIMENT CONTROLS ARE IN PLACE FURTHER DOWNSTREAM. SEDIMENT BAGS MUST BE PROPERLY SECURED TO THE DISCHARGE HOSE AND PLACED OVER VEGETATED AREAS, WHERE FEASIBLE, DURING DISCHARGE. SEE DETAIL ABOVE OF A TYPICAL SEDIMENT BAG INSTALLATION.

INLET PROTECTION



INLET PROTECTION

NOTES

MATERIALS:
FURNISH INLET PROTECTION CONSISTING OF 18" [0.5 M] WIDE FILTER FABRIC FENCE WITH A SECURELY NAILED 2"X4" [50X100] WOOD FRAME WITH A VERTICALLY DRIVEN 2"X4" [50X100] ON THE INLET, OR FLOW, SIDE OF THE STRUCTURE. USE FILTER FABRIC CONFORMING TO 712.09, TYPE C.

CONSTRUCTION:
CONSTRUCT AN 18" [0.5 M] WIDE FILTER FABRIC FENCE SUPPORTED AROUND A STORM DRAIN INLET OR CATCH BASIN WITH A SECURELY NAILED 2"X4" [50X100] WOOD FRAME. EXCAVATE A 6" [150] TRENCH AROUND THE INLET, AND DRIVE SUPPORT POSTS 6" [150] BELOW THE EXCAVATED TRENCH BOTTOM. STRETCH THE FABRIC AROUND THE FRAME. SECURE IT TIGHTLY, ENSURING THAT 6" [150] OF FABRIC IS IN THE TRENCH. OVERLAP THE FABRIC ON ONE SIDE OF THE INLET SO THAT THE FABRIC ENDS ARE NOT ATTACHED TO THE SAME POST. BACKFILL AND COMPACT THE EXCAVATED SOIL TIGHTLY ONTO THE FABRIC. PLACE A VERTICAL 2"X4" [50X100] IN THE CENTER OF THE INLET SO THAT THE TOP IS AT THE TOP OF THE FENCE AND THE BOTTOM IS AT LEAST 6" [150] BELOW THE BOTTOM OF THE DITCH.

PAYMENT:
ALL LABOR AND MATERIALS REQUIRED, INCLUDING THOSE NOT SPECIFICALLY IDENTIFIED IN SS832, FOR THE INSTALLATION OF INLET PROTECTION SHALL BE CONSIDERED INCIDENTAL TO THE COST OF ITEM 207 - ESC/SWP3 PAY ITEMS - AS PER PLAN.

CIP: 540007-100060
PID NUMBER: 110521

EROSION CONTROL
STANDARD DETAILS

CITY OF COLUMBUS TRAFFIC SIGNAL SYSTEM
(CTSS) PHASE F - FINAL SUBMITTAL

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Corridor	Sheet		FIRM Panel No.	Effective Date	Zone	BFE	
	from	to				start	end
Sawmill Rd	61	62	39049C0154K	6/17/2008	X	-	-
Sawmill Rd	64	65	39049C0154K	6/17/2008	X	-	-
Sawmill Rd	67	68	39049C0152K	6/17/2008	X	-	-
Sawmill Rd	70	-	39049C0152K	6/17/2008	X	-	-
Henderson Rd	72	74	39049C0162K	6/17/2008	X	-	-
Henderson Rd	76	78	39049C0166K	6/17/2008	X	-	-
Henderson Rd	80	-	39049C0166K	6/17/2008	X	-	-
Henderson Rd	81	82	39049C0167K	6/17/2008	X	-	-
Bethel Rd	84	85	39049C0154K	6/17/2008	X	-	-
Bethel Rd	87	-	39049C0154K	6/17/2008	X	-	-
Bethel Rd	87	88	39049C0158K	6/17/2008	X	-	-
Bethel Rd	90	-	39049C0158K	6/17/2008	X	-	-
Avery Rd	92	-	39049C0141K	6/17/2008	AE	908	908
Avery Rd	92	94	39049C0141K	6/17/2008	X	-	-
Avery Rd	94	-	39049C0133K	6/17/2008	X	-	-
Snouffer Rd	96	102	39049C0152K	6/17/2008	X	-	-
Smoky Row Rd	104	108	39049C0152K	6/17/2008	X	-	-
Smoky Row Rd	110	112	39049C0152K	6/17/2008	X	-	-
Smoky Row Rd	112	114	39049C0039K	6/17/2008	X	-	-
W Case Rd	116	120	39049C0154K	6/17/2008	X	-	-
Riverside Dr	121	-	39049C0153K	6/17/2008	X	-	-
Central College Rd	124	130	39049C0201K	6/17/2008	X	-	-
Central College Rd	130	-	39049C0202K	6/17/2008	AE	968	968
Central College Rd	130	131	39049C0202K	6/17/2008	X	-	-
Hamilton Rd	133	136	39049C0203K	6/17/2008	X	-	-
Hamilton Rd	137	138	39049C0201K	6/17/2008	X	-	-
Oakland Park Ave	140	142	39049C0186K	6/17/2008	X	-	-
Gemini Pl	144	146	39049C0063K	6/17/2008	X	-	-
Ikea Way	148	-	39049C0064K	6/17/2008	X	-	-
Polaris Parkway	149	-	39049C0064K	6/17/2008	X	-	-
Worthington Galena Rd	151	-	39049C0176K	6/17/2008	X	-	-
Worthington Galena Rd	152	153	39049C0063K	6/17/2008	X	-	-
Weber Rd	155	-	39049C0169K	6/17/2008	X	-	-
Weber Rd	155	156	39049C0188K	6/17/2008	X	-	-
Westerville Rd	158	159	39049C0191K	6/17/2008	X	-	-
Sunbury Rd	161		39049C0193K	6/17/2008	AE	763	765
Sunbury Rd	162	163	39049C0193K	6/17/2008	X	-	-
Morse Rd	165	167	39049C0192K	6/17/2008	X	-	-
Morse Rd	168	170	39049C0211K	6/17/2008	X	-	-
Fifth Ave	172	176	39049C0327K	6/17/2008	X	-	-
Fifth Ave	176	-	39049C0327K	6/17/2008	AE	758	758
Fifth Ave	176	184	39049C0331K	6/17/2008	X	-	-
Fifth Ave	186	187	39049C0331K	6/17/2008	X	-	-
Fifth Ave	187	191	39049C0332L	6/16/2011	X	-	-
Fifth Ave	193	194	39049C0332L	6/16/2011	X	-	-
Fifth Ave	196	-	39049C0306K	6/17/2008	X	-	-
Fifth Ave	197	200	39049C0326K	6/17/2008	X	-	-
Fifth Ave	200	-	39049C0327K	6/17/2008	X	-	-
Sunbury Rd	202	204	39049C0327K	6/17/2008	X	-	-
Airport Dr/Nelson Rd	206	207	39049C0327K	6/17/2008	X	-	-

Corridor	Sheet		FIRM Panel No.	Effective Date	Zone	BFE	
	from	to				start	end
Cassady Ave	209	213	39049C0331K	6/17/2008	X	-	-
Cassady Ave	214	-	39049C0193K	6/17/2008	X	-	-
Woodland Ave	216	218	39049C0327K	6/17/2008	X	-	-
Woodward Ave	219	221	39049C0327K	6/17/2008	X	-	-
Broad St	223	225	39049C0331K	6/17/2008	X	-	-
Lane Ave	264	265	39049C0168K	6/17/2008	X	-	-
King Ave	267	268	39049C0306K	6/17/2008	X	-	-
Northwest Blvd	269	-	39049C0306K	6/17/2008	X	-	-
Kenny Rd	271	273	39049C0306K	6/17/2008	X	-	-
Third Ave	275	276	39049C0307K	6/17/2008	X	-	-
Trabue Rd	278	282	39049C0282K	6/17/2008	X	-	-
Trabue Rd	282	-	39049C0301K	6/17/2008	X	-	-
Trabue Rd	284	285	39049C0302K	6/17/2008	X	-	-
Trabue Rd	285	286	39049C0302K	6/17/2008	AE	742	742
Trabue Rd	286	287	39049C0302K	6/17/2008	X	-	-
Riverside Dr	288	-	39049C0302K	6/17/2008	X	-	-
Hilliard Rome Rd	290	292	39049C0282K	6/17/2008	X	-	-
Phillipi Rd	294	296	39049C0303K	6/17/2008	X	-	-
Phillipi Rd	296	-	39049C0301K	6/17/2008	X	-	-
Gantz Rd	298	299	39049C0318K	6/17/2008	X	-	-
High St	301	303	39049C0407K	6/17/2008	X	-	-
High St	304	305	39049C0407K	6/17/2008	AE	699	699
Sullivant Ave	307	308	39049C0303K	6/17/2008	X	-	-
Fairwood Ave	310	-	39049C0339K	6/17/2008	X	-	-
Fairwood Ave	311	314	39049C0337K	6/17/2008	X	-	-
Fairwood Ave	314	317	39049C0329K	6/17/2008	X	-	-
Williams Rd	319	320	39049C0339K	6/17/2008	X	-	-
Alum Creek Dr	322	323	39049C0431K	6/17/2008	X	-	-
Alum Creek Dr	324	330	39049C0343K	6/17/2008	X	-	-
Alum Creek Dr	332	335	39049C0343K	6/17/2008	X	-	-
Alum Creek Dr	336	339	39049C0341K	6/17/2008	X	-	-
Alum Creek Dr	341	342	39049C0329K	6/17/2008	X	-	-
Hamilton Rd	344	346	39049C0344K	6/17/2008	X	-	-
Noe-Bixby Rd	348	352	39049C0363K	6/17/2008	AE	750	751
I-70	352	355	39049C0341K	6/17/2008	X	-	-
James Rd	356	-	39049C0341K	6/17/2008	X	-	-
College Ave	358	361	39049C0341K	6/17/2008	X	-	-
Winchester Pike	362	-	39049C0341K	6/17/2008	X	-	-
US-33	363	364	39049C0341K	6/17/2008	X	-	-
US-33	366	367	39049C0344K	6/17/2008	X	-	-
US-33	367	368	39049C0344K	6/17/2008	AE	735	735
US-33	369	370	39049C0344K	6/17/2008	X	-	-
US-33	372	373	39049C0344K	6/17/2008	X	-	-
Tussing Rd	375	376	39049C0366K	6/17/2008	X	-	-
Winchester Pike	378	379	39049C0452K	6/17/2008	X	-	-
Winchester Pike	379	380	39049C0452K	6/17/2008	AE	757	757
Winchester Pike	381	382	39049C0452K	6/17/2008	X	-	-
Gender Rd	384	-	39049C0452K	6/17/2008	X	-	-
Livingston Ave	386	-	39049C0333K	6/17/2008	X	-	-
Miller/Kelton Ave	387	390	39049C0328K	6/17/2008	X	-	-

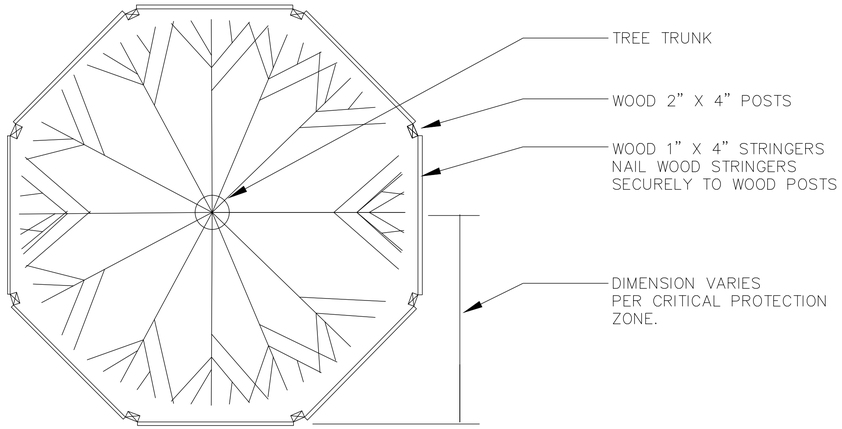
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PID NUMBER: 110521

FLOOD INSURANCE RATE MAP
STANDARD DETAILS

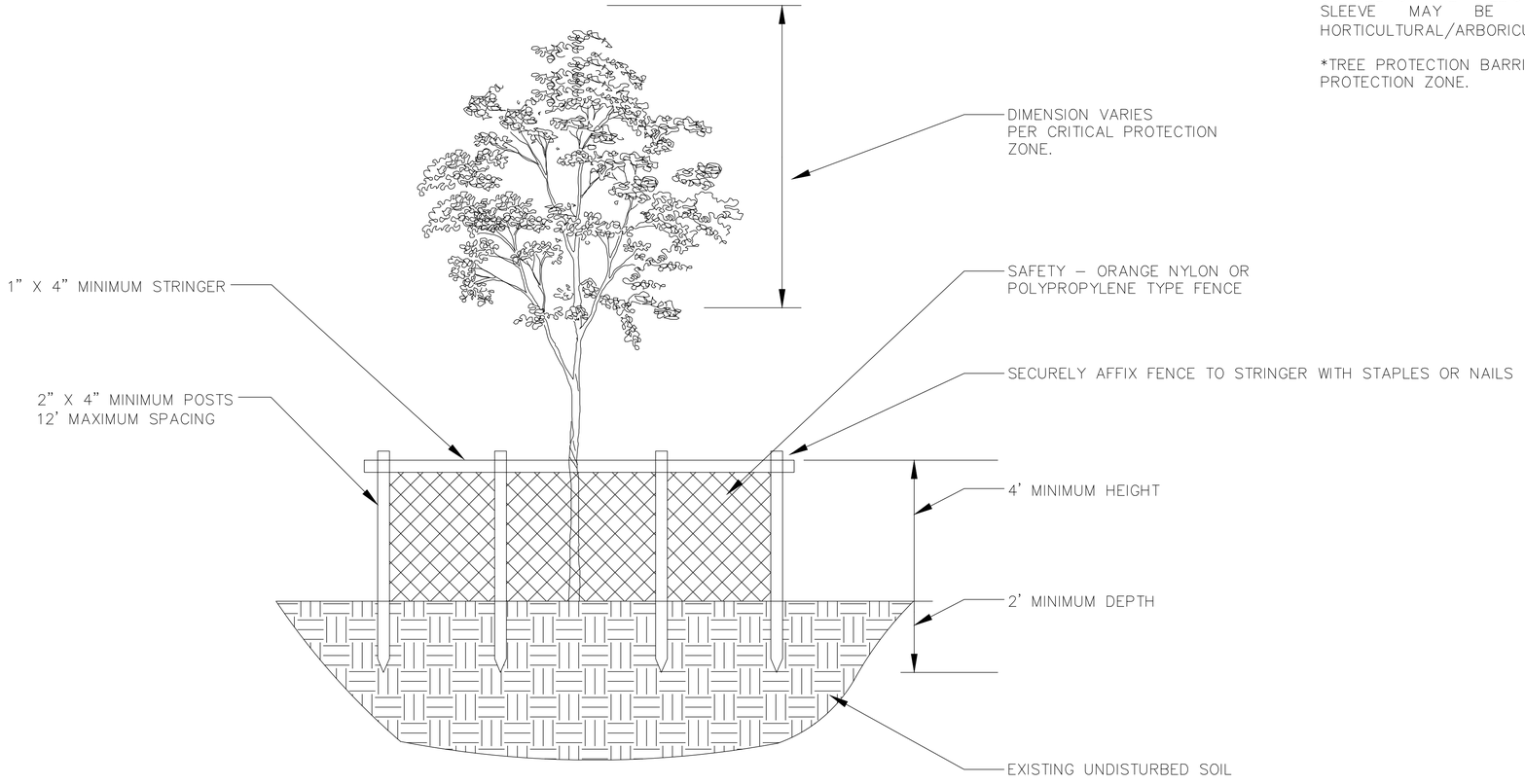
CITY OF COLUMBUS TRAFFIC SIGNAL SYSTEM
(CTSS) PHASE F – FINAL SUBMITTAL

3676-E

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NOTE: FOR GROUPS OF TREES PLACE BARRICADES BETWEEN TREES AND CONSTRUCTION ACTIVITY



NOTE:
1. FOR GROUPS OF TREES:
   A. PLACE THE BARRICADES AT THE DRIPLINE AROUND THE GROUPS PERIMETER.

2. INSTALLATION OF TREE PROTECTION BARRICADES SHALL BE PERFORMED BEFORE ANY SITE DEVELOPMENT ACTIVITY TAKES PLACE.

3. THE TREE PROTECTION BARRICADES SHALL REMAIN IN PLACE THROUGHOUT THE CONSTRUCTION PHASE AND UNTIL ALL SITE DEVELOPMENT ACTIVITIES ARE FULLY COMPLETE.

4. ANY DAMAGE THAT MAY OCCUR TO THE BARRICADES SHALL BE REPAIRED OR REPLACED TO THE ORIGINAL SPECIFICATIONS WITHIN 24 HOURS OF THE DAMAGE OCCURRING.

5. THE AREA WITHIN THE TREE PROTECTION BARRICADES SHALL NOT BE USED FOR THE STORAGE OF ANY MATERIALS, SUPPLIES OR DEBRIS OR THE DISPOSAL OF ANY SOLID, LIQUID OR GASEOUS MATERIALS THAT COULD CAUSE HARM TO THE TREES.

6. ANY TREE SCHEDULED TO REMAIN IF DAMAGED DURING CONSTRUCTION SHALL BE REPLACED BY PROVIDING EQUIVALENT MONETARY VALUE TO THE CITY'S TREE FUND.

7. MONETARY TREE VALUE SHALL BE DETERMINED BY USING THE GUIDE FOR PLANT APPRAISAL, PUBLISHED BY THE INTERNATIONAL SOCIETY OF ARBORICULTURE OR OTHER SOURCES AS DETERMINED BY THE CITY FORESTER.

8. BARRICADES SHALL PROTECT ALL TREES SCHEDULED TO REMAIN BEFORE AND DURING ALL CONSTRUCTION ACTIVITIES.

9. ANY PROPOSED UNDERGROUND UTILITIES SHALL BE ROUTED AROUND PROTECTED TREES TO THE OUTSIDE OF THE TREE'S DRIPLINE. IF THIS IS NOT FEASIBLE, AS DETERMINED BY THE COUNTY, A SLEEVE MAY BE USED UNDER THE TREE, PROVIDED THAT ALL ACCEPTABLE HORTICULTURAL/ARBORICULTURAL PRACTICES ARE ADHERED TO.

*TREE PROTECTION BARRICADES SHALL BE LOCATED TO PROTECT A MINIMUM OF 75% OF THE CRITICAL PROTECTION ZONE.

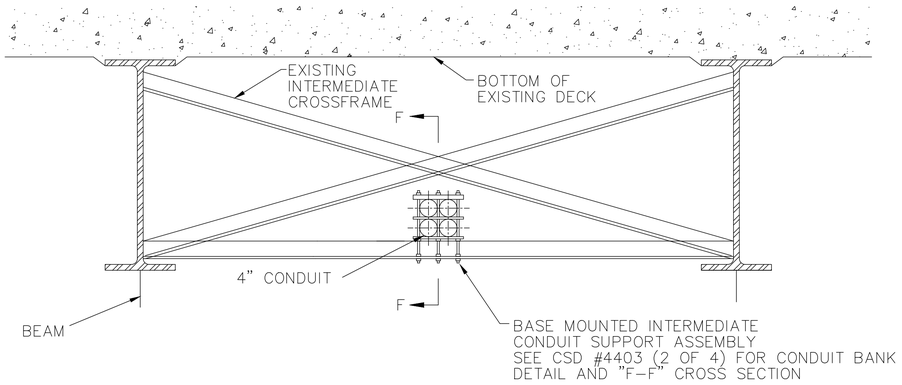
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PID NUMBER: 110521

TREE PROTECTION BARRICADE
STANDARD DETAILS

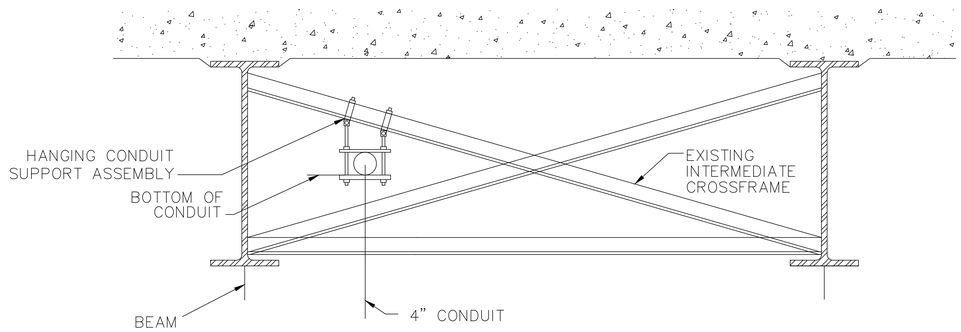
CITY OF COLUMBUS TRAFFIC SIGNAL SYSTEM
(CTSS) PHASE F – FINAL SUBMITTAL

3676-E

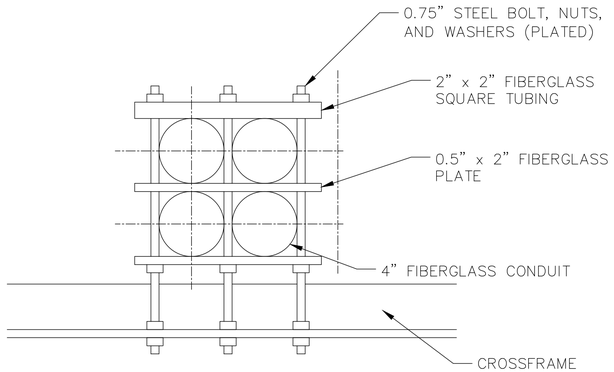
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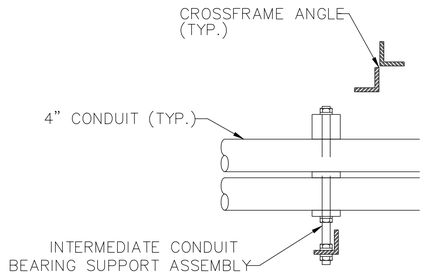
CONDUIT BEARING ATTACHMENT



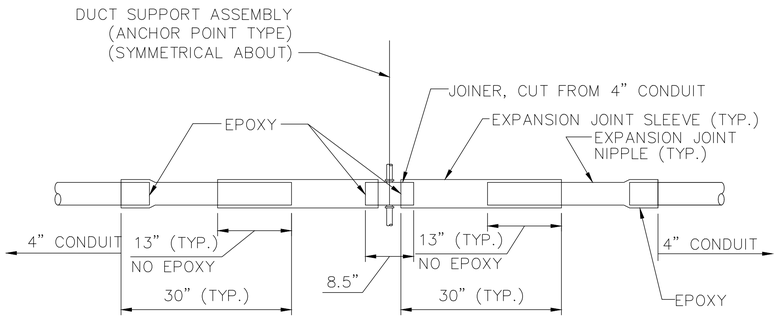
CONDUIT HANGING ATTACHMENT



CONDUIT BANK DETAIL

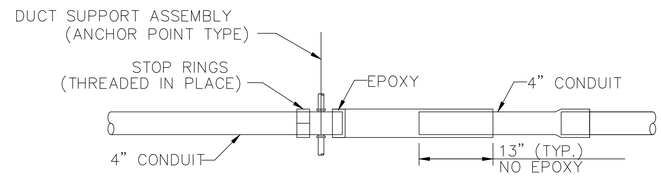


SECTION "F–F"



BACK–TO–BACK EXPANSION JOINT DETAIL

EXPANSION JOINT EVERY 150' AND AT
EACH RIGID ATTACHMENT – ENDS.



COMBINATION STOP RING AND EXPANSION JOINT

TYPICAL EXPANSION JOINT DETAILS

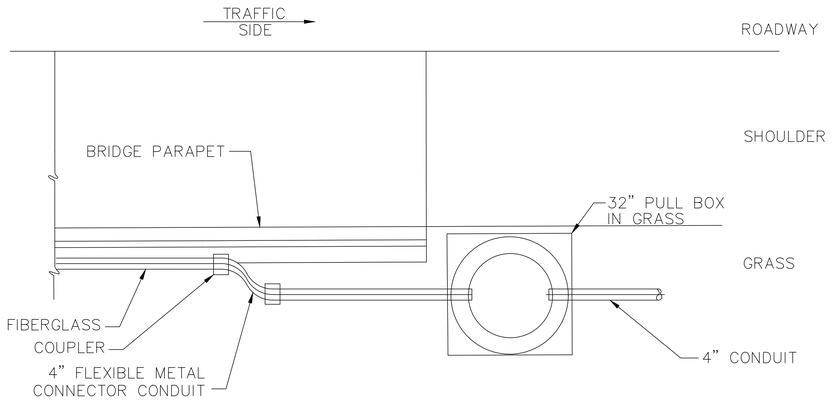
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SERVICE
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PID NUMBER: 110521

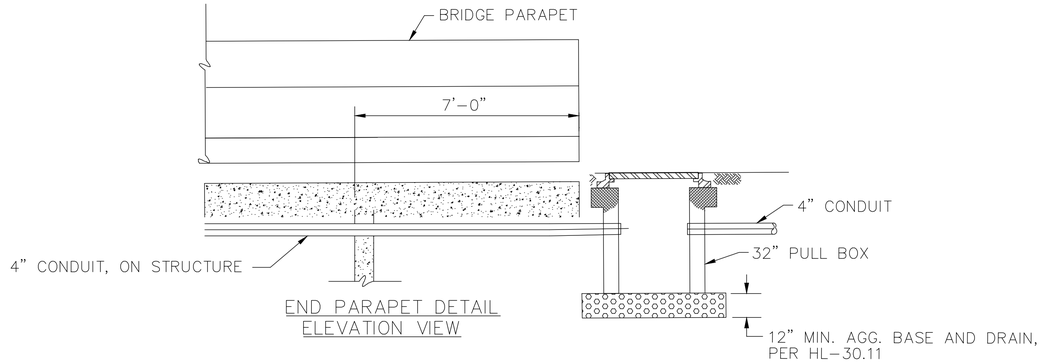
CONDUIT ATTACHMENT TO STRUCTURE DETAILS

CITY OF COLUMBUS TRAFFIC SIGNAL SYSTEM
(CTSS) PHASE F – FINAL SUBMITTAL

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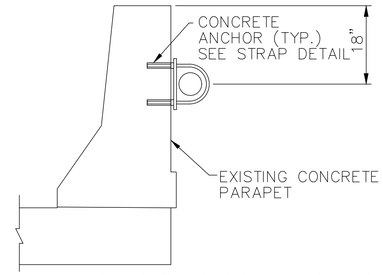


END PARAPET DETAIL
PLAN VIEW



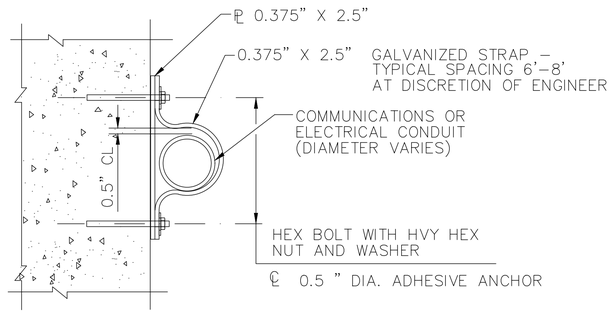
END PARAPET DETAIL
ELEVATION VIEW

TYPICAL CONDUIT
TREATMENT AT END OF BRIDGE PARAPET



MIN. PULLOUT CAPACITY = 2,000 LBS.

CONDUIT ATTACHMENT TO
PARAPET OR BACK OF
BARRIER WALL



MIN. PULLOUT CAPACITY = 2,000 LBS.

STRAP DETAIL
NOT TO SCALE

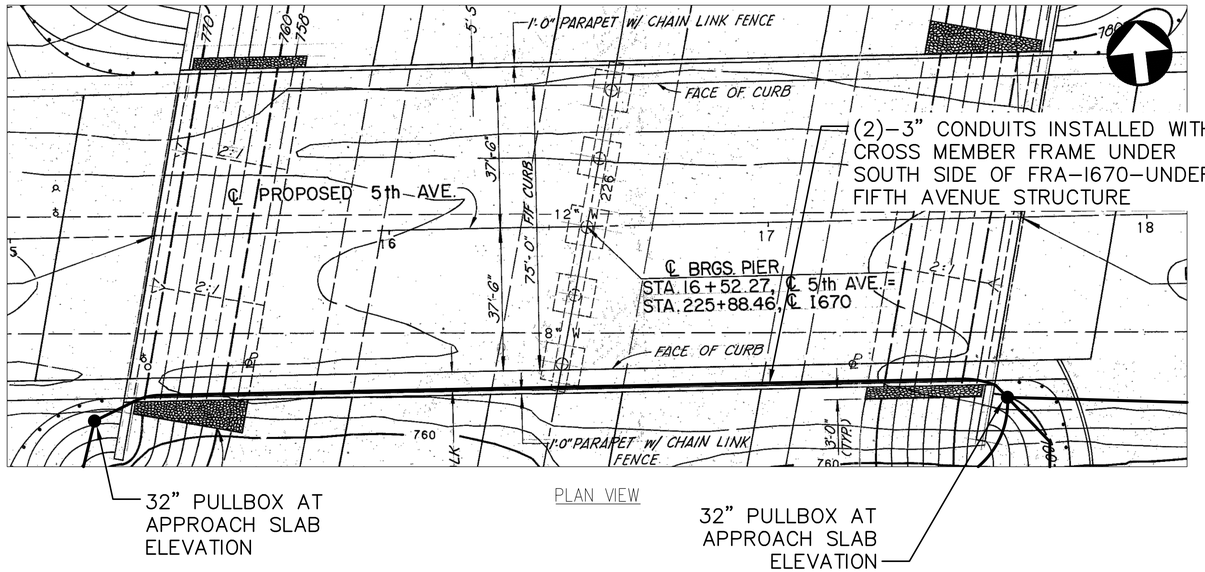
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PID NUMBER: 110521

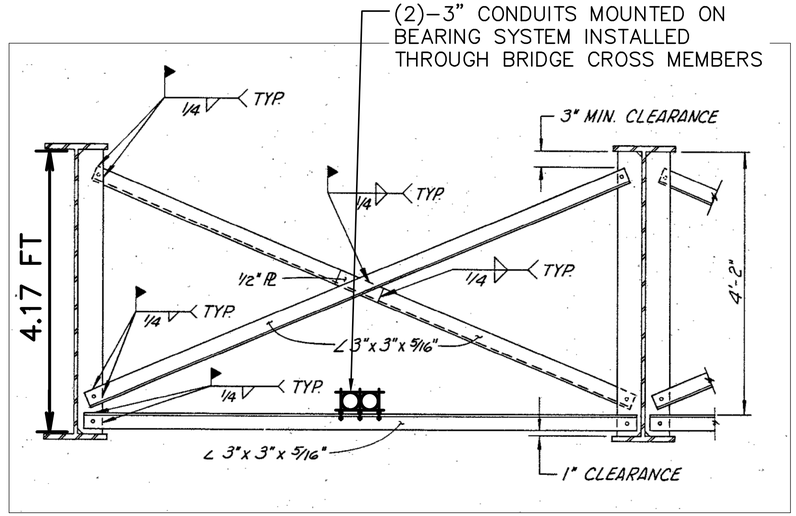
PARAPET DETAILS

CITY OF COLUMBUS TRAFFIC SIGNAL SYSTEM
(CTSS) PHASE F - FINAL SUBMITTAL

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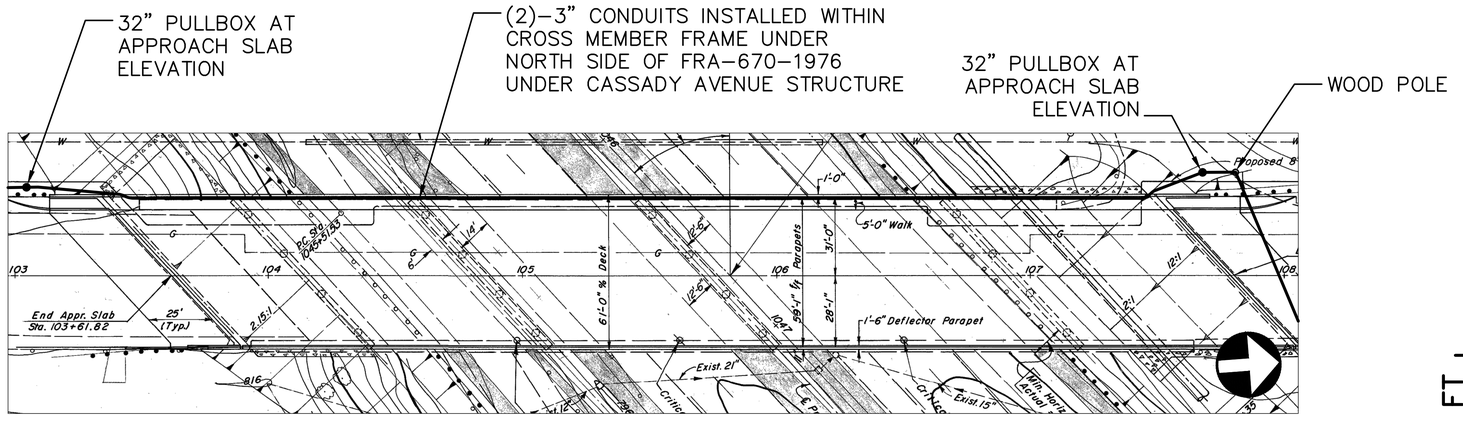
PLAN VIEW



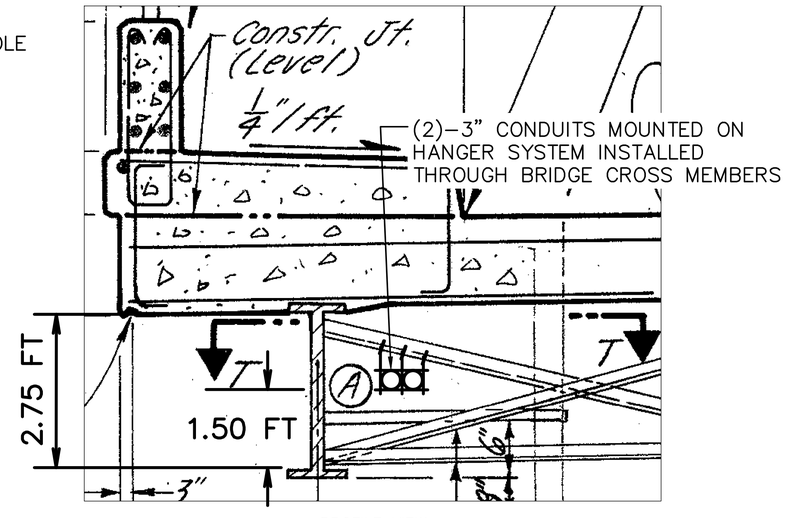
PROFILE VIEW

BRIDGE NO. FRA–I670–UNDER FIFTH AVENUE

SEE SHEETS 176 AND 177 FOR CONSTRUCTION PLAN



PLAN VIEW



PROFILE VIEW

BRIDGE NO. FRA–670–1976 UNDER CASSADY AVENUE

SEE SHEETS 212 AND 213 FOR CONSTRUCTION PLAN

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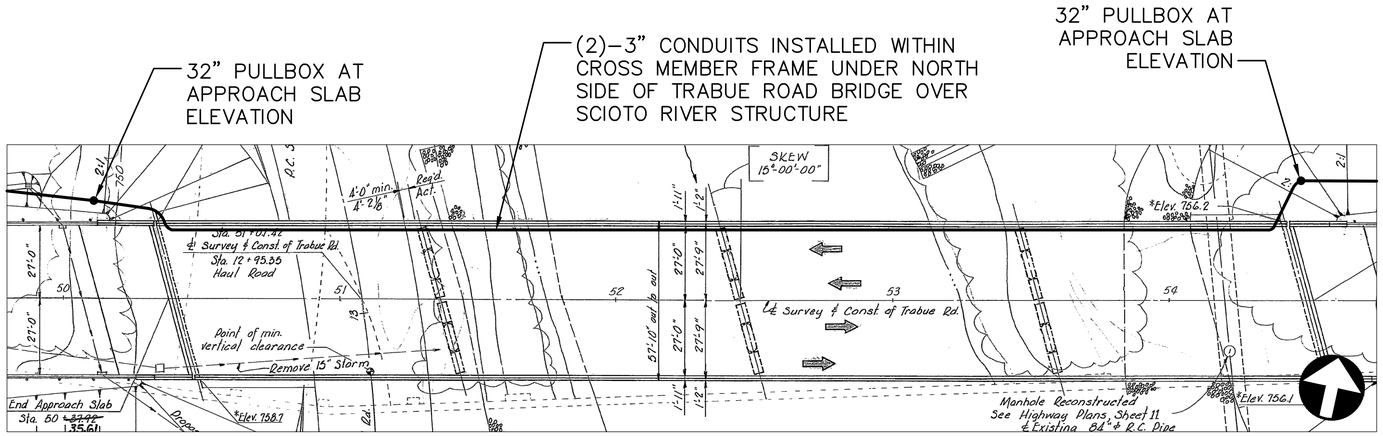
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PID NUMBER: 110521

BRIDGE PLANS – FIFTH AVENUE OVER I–670
& CASSADY AVENUE OVER I–670

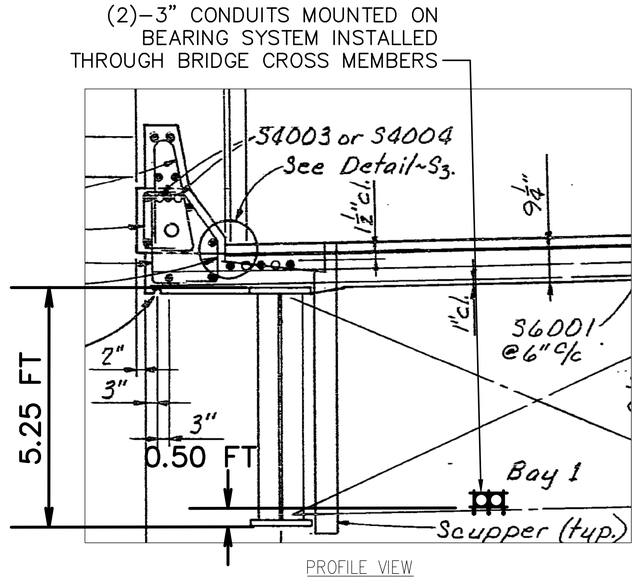
CITY OF COLUMBUS TRAFFIC SIGNAL SYSTEM
(CTSS) PHASE F – FINAL SUBMITTAL

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768

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PLAN VIEW

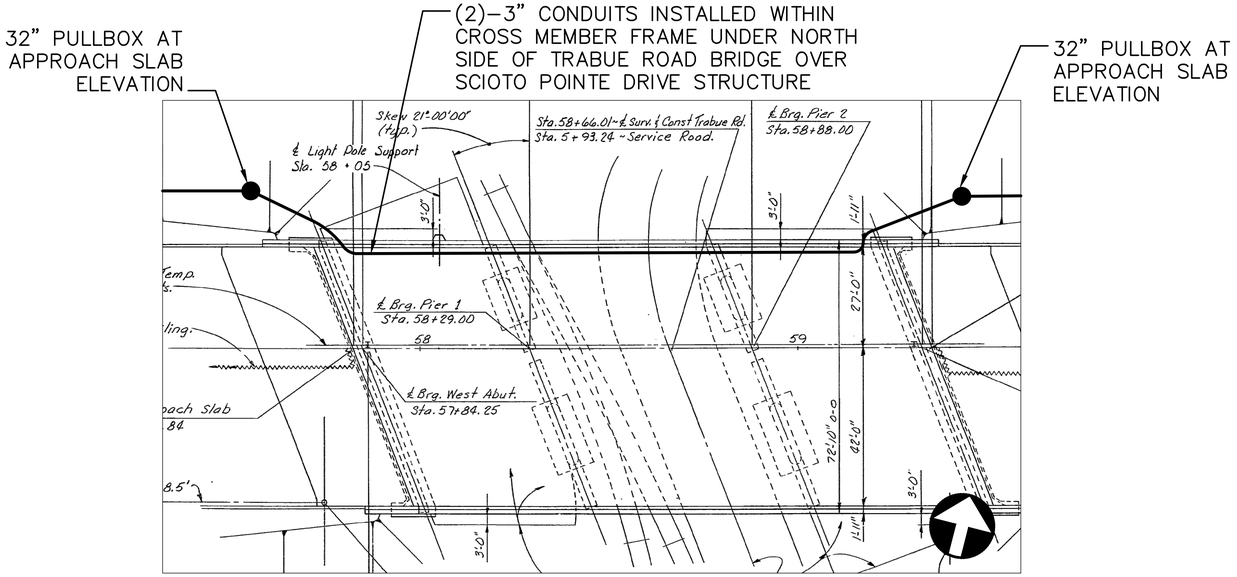


PROFILE VIEW

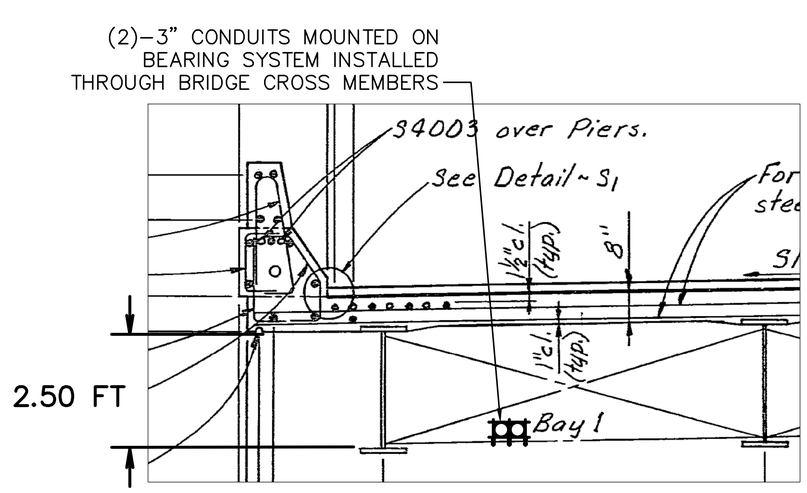
TRABUE ROAD BRIDGE OVER SCIOTO RIVER, FRA-27-10.77					
PIER (BAY 1)			CONDUIT (BOTTOM)		SEPARATION
#	STA	ELEV	ELEV	BFE	(FT)
1	51+34.63	758.75	759.25	738	21.25
2	52+33.38	758.12	758.62	738	20.62
3	53+52.13	757.41	757.91	738	19.91

TRABUE ROAD OVER SCIOTO RIVER, BRIDGE NO. FRA-27-10.77

SEE SHEETS 285 AND 286 FOR CONSTRUCTION PLAN



PLAN VIEW



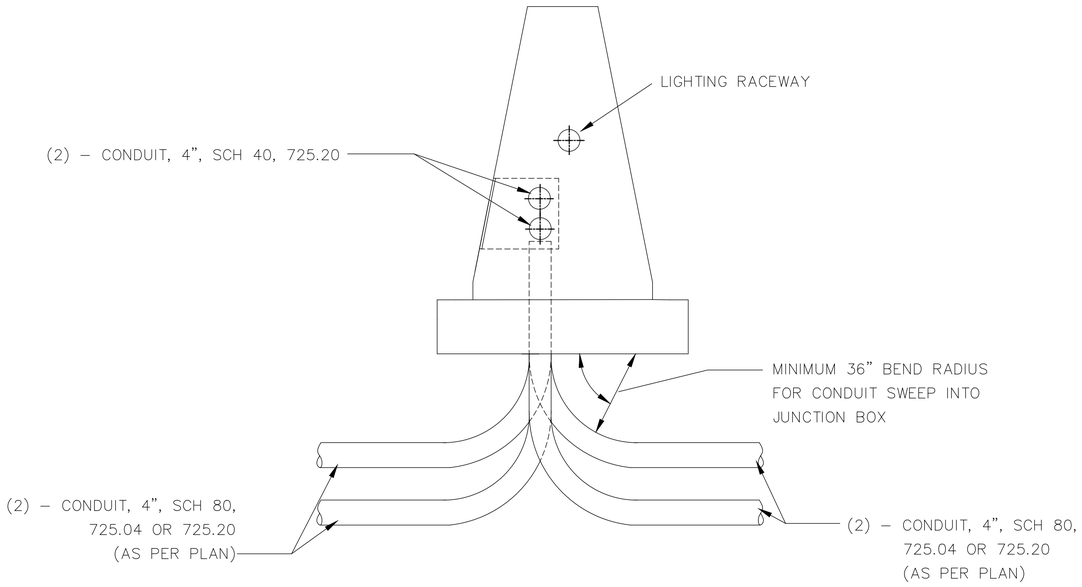
PROFILE VIEW

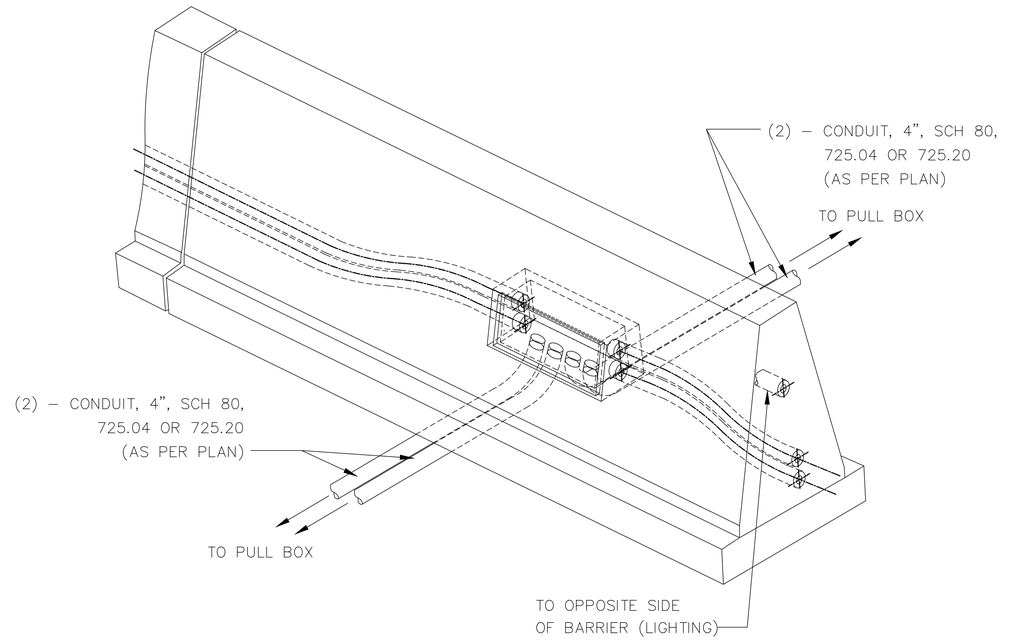
TRABUE ROAD OVER SCIOTO POINTE DRIVE, BRIDGE NO. FRA-27-10.89

SEE SHEET 286 FOR CONSTRUCTION PLAN

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36" MEDIAN JUNCTION BOX, AS PER PLAN

NOTES

COST OF REFINISHING AROUND BOX IS INCIDENTAL TO THE COST OF BARRIER WALL JUNCTION BOX INSTALLATION

ITEM 625E MEDIAN JUNCTION BOX, AS PER PLAN

THE CONTRACTOR SHALL SUPPLY A PULL BOX THAT MEETS THE FOLLOWING SPECIFICATIONS:

SHALL BE OF TYPE POLYMER-CONCRETE AND SHALL MEET THE FOLLOWING SPECIFICATIONS:

SIZE: 17 INCHES (HEIGHT) X 30 INCHES (LENGTH)
MINIMUM WALL THICKNESS: 1/2 INCH
MINIMUM LID THICKNESS: 2 INCHES
ANSI TIER 22 RATING WITH A MINIMUM DESIGN LOAD OF 22,000 POUNDS

LID SHALL BE MARKED "TRAFFIC"

THE MEDIAN JUNCTION BOX SHALL BE SECURED IN THE MEDIAN BARRIER WALL USING DOWELS. (NON-SHRINK GROUT MAY BE USED WHEN NECESSARY)

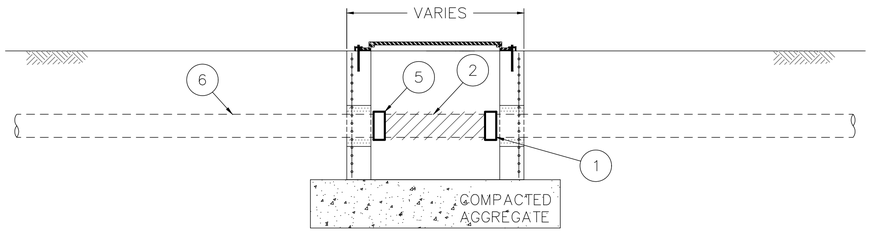
CIP: 540007-100060
PID NUMBER: 110521

TRAFFIC SURVEILLANCE
36" MEDIAN JUNCTION BOX DETAIL

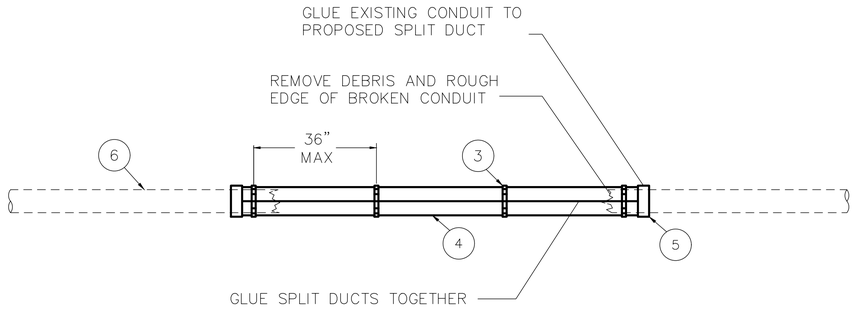
CITY OF COLUMBUS TRAFFIC SIGNAL SYSTEM
(CTSS) PHASE F - FINAL SUBMITTAL

3676-E

J:\Jobs\70202 - CTSS Phase F\TECHPROD\Sheets\Details\ST_CTSS_002_Detail13.dwg - MEDIAN BARRIER WALL JUNCTION BOX layout ~ last saved by: gburch 02/22/2022 09:13pm ~ printed 06/01/2022 04:15pm PSLTS: 1 LTS: 0.3 CAS: 1:1



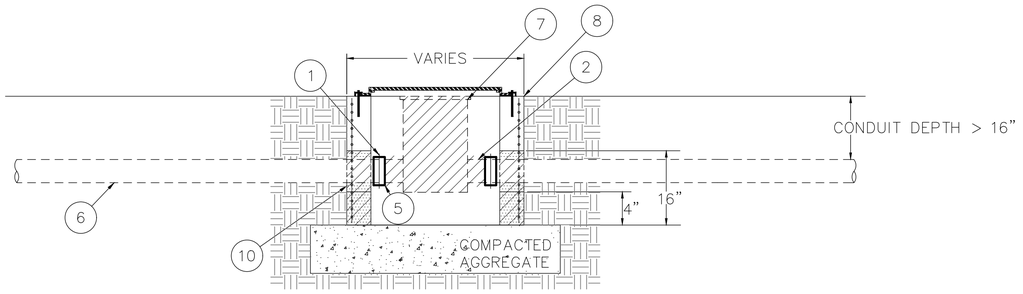
PROPOSED PULL BOX INTERCEPTING EXISTING CONDUIT RUN



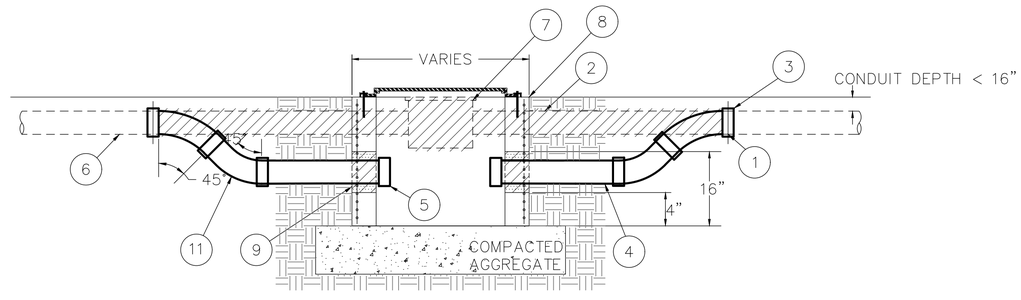
SPLIT DUCT CONDUIT REPAIR

1. CUT EXISTING CONDUIT
2. REMOVE EXISTING CONDUIT
3. CLAMP
4. PROPOSED SPLIT DUCT CONDUIT
5. CONDUIT BUSHING
6. EXISTING CONDUIT

* USE SPLIT DUCT CONDUIT AND BUSHINGS AS DIRECTED BY THE ENGINEER.



EXISTING PULLBOX W/ CONDUIT >16" BELOW SURFACE GRADE



EXISTING PULLBOX W/ CONDUIT <16" BELOW SURFACE GRADE

1. CUT EXISTING CONDUIT
2. REMOVE EXISTING CONDUIT
3. CONDUIT COUPLER
4. PROPOSED CONDUIT
5. CONDUIT BUSHING
6. EXISTING CONDUIT
7. REMOVE EXISTING PULLBOX
8. PROPOSED PULLBOX
9. REMOVE KNOCKOUT, INSERT CONDUIT, SEAL AROUND CONDUIT W/ MORTAR, COMPLETELY FILLING KNOCKOUT HOLE
10. REMOVE KNOCKOUT, LOWER PB OVER CONDUIT, SEAL AROUND CONDUIT W/ MORTAR, COMPLETELY FILLING KNOCKOUT HOLE
11. 45 DEGREE CONDUIT ELBOW

* USE SPLIT DUCT CONDUIT AND BUSHINGS AS DIRECTED BY THE ENGINEER.

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CIP: 540007-100060
PID NUMBER: 110521

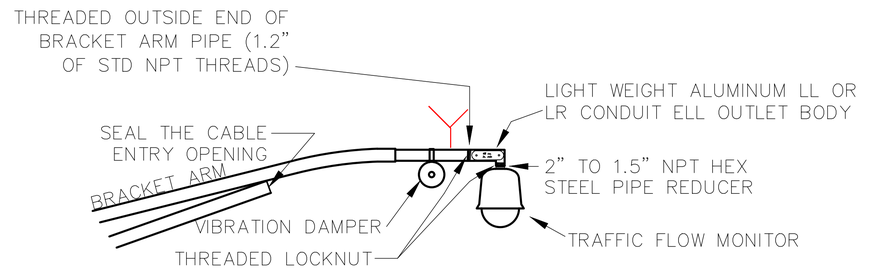
CONDUIT & PB DETAILS – INTERCEPTING EX. CONDUIT/SPLIT DUCT REPAIR & REMOVE AND REPLACE EX. PB

CITY OF COLUMBUS TRAFFIC SIGNAL SYSTEM (CTSS) PHASE F – FINAL SUBMITTAL

3676-E

J:\Jobs\70202 – CTSS Phase F\TECHPROD\Sheets\Details\ST_CTSS_002_Detail3.dwg – PB REMOVE AND REPLACE layout ~ last saved by gburch 02/22/2022 09:13pm ~ printed 06/01/2022 04:16pm PSLTS: 1 LTS: 0.5 CAS: 1" = 1"

RUN THE TRAFFIC FLOW MONITOR CABLE IN THE TOP ARM BRACKET.



ALL MOUNTING HARDWARE COLOR COATED TO MATCH BRACKET ARM COLOR.

LL/LR CONDUIT ELL SPECS

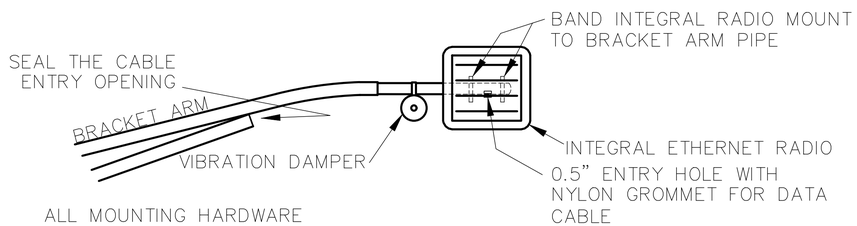
- THREADED BODY (NPT) WITH NON-CORROSIVE HARDWARE
- 48 CU." INTERIOR AREA
- FLAT COVER WITH SOLID NEOPRENE GASKET
- COVER OPENING – 6" X 2.4"
- LIGHT WEIGHT ALUMINUM BODY
- PROVIDE #10 RUBBER STOPPER FOR OUTGOING CABLE; ENLARGE STOPPER HOLE AS NEEDED JUST ENOUGH TO FIT CABLE DIAMETER

NOTES

- REFER TO CSD 4110 FOR BRACKET ARM DETAILS.
- REFER TO CSD 4122 FOR VIBRATION DAMPENER DETAILS.

TRAFFIC FLOW MONITOR
MOUNTING PROCEDURE
NOT TO SCALE

RUN THE INTEGRAL ETHERNET RADIO CABLE IN THE TOP ARM BRACKET.



ALL MOUNTING HARDWARE COLOR COATED TO MATCH BRACKET ARM COLOR.

INTEGRAL ETHERNET RADIO
MOUNTING PROCEDURE
NOT TO SCALE

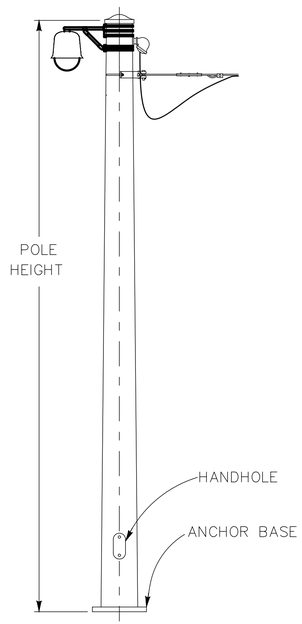
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www.oups.org

J:\Jobs\70202 - CTSS Phase F\TECHPROD\Sheets\Details\ST_CTSS_002_Details5.dwg - BRACKET ARM AND MOD CON RISER layout ~ last saved by: gburch 02/22/2022 09:14pm ~ printed 06/01/2022 04:16pm PSLTS: 1 LTS: 1 CAS: 1" = 1"

CIP: 540007-100060
PID NUMBER: 110521

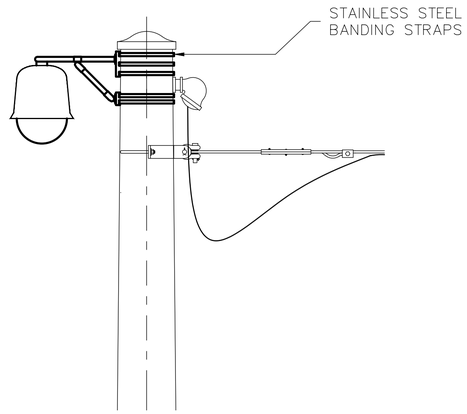
STRAIN POLE TIE OFF

CITY OF COLUMBUS TRAFFIC SIGNAL SYSTEM
(CTSS) PHASE F – FINAL SUBMITTAL



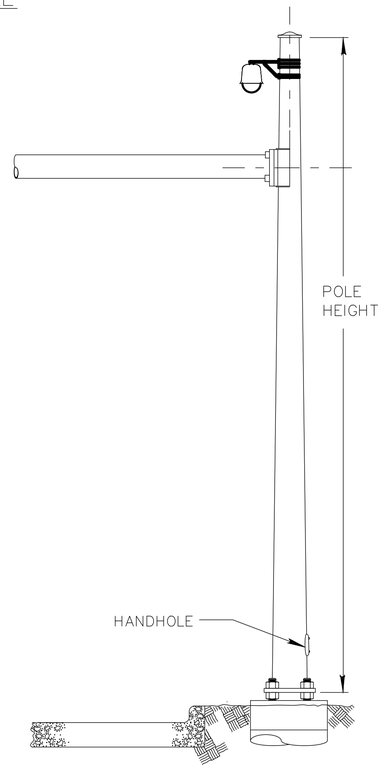
STRAIN POLE

NOT TO SCALE



DETAIL STRAIN POLE & BRACKET

NOT TO SCALE



SIGNAL POLE WITH MAST ARM

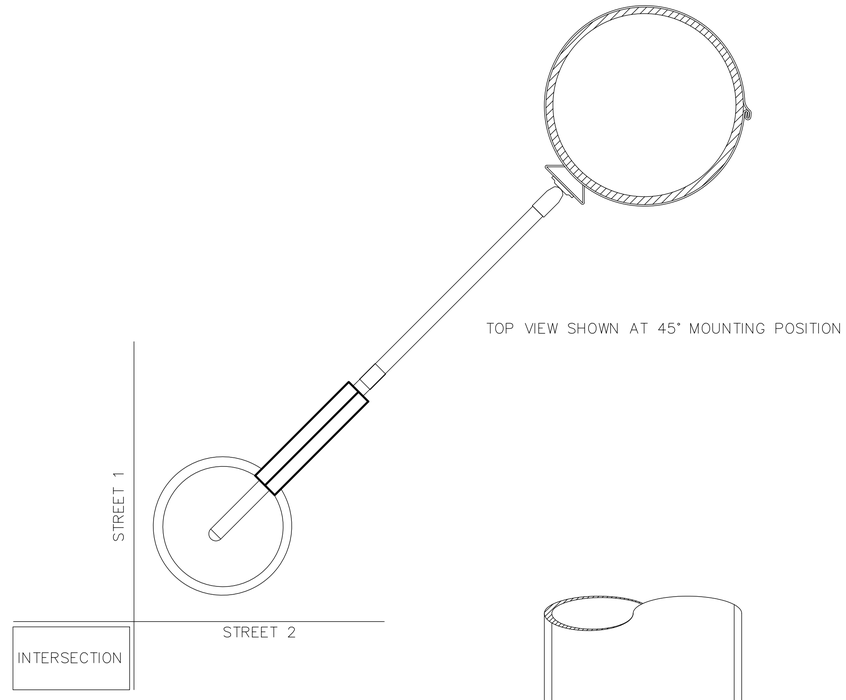
NOT TO SCALE

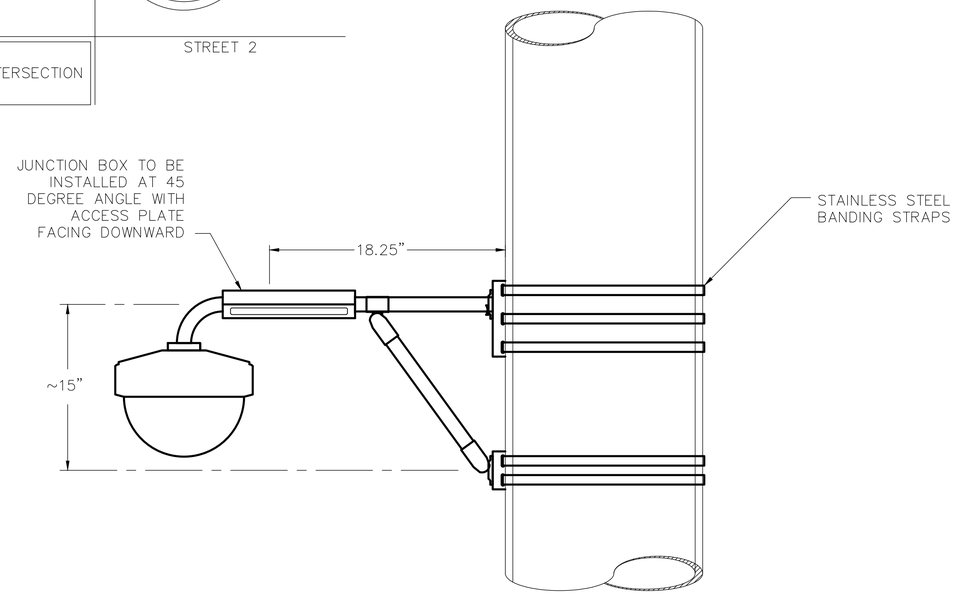
NOTES

1. CAMERA/CCTV DEVICES TO BE MOUNTED AT 45 DEGREES FROM EDGE OF PAVEMENT, OR AT THE DIRECTION OF THE ENGINEER.

POLE MOUNTED CAMERA BRACKET ASSEMBLY:

2. SHALL BE CONSTRUCTED OF LIGHTWEIGHT ALUMINUM
3. ALL HARDWARE SHALL BE STAINLESS STEEL
4. SHALL BE CAPABLE OF SUPPORTING CCTV ASSEMBLY UNITS UP TO 75LBS
5. NO EXPOSED CABLES – ALL CABLING SHALL BE HIDDEN BY BRACKET ASSEMBLY
6. SHALL INCLUDE ACCESS PANEL FOR INSTALLATION
7. ALL CONNECTION POINTS SHALL BE PROPOERLY SEALED TO ENSURE WEATHER PROOF CABLE PATHWAY FROM SIGNAL POLE INTO CCTV ASSEMBLY UNIT.





DETAIL POLE ADAPTERS & BRACKET

NOT TO SCALE

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CCTV INSTALLATION AND STRAIN POLE DETAILS

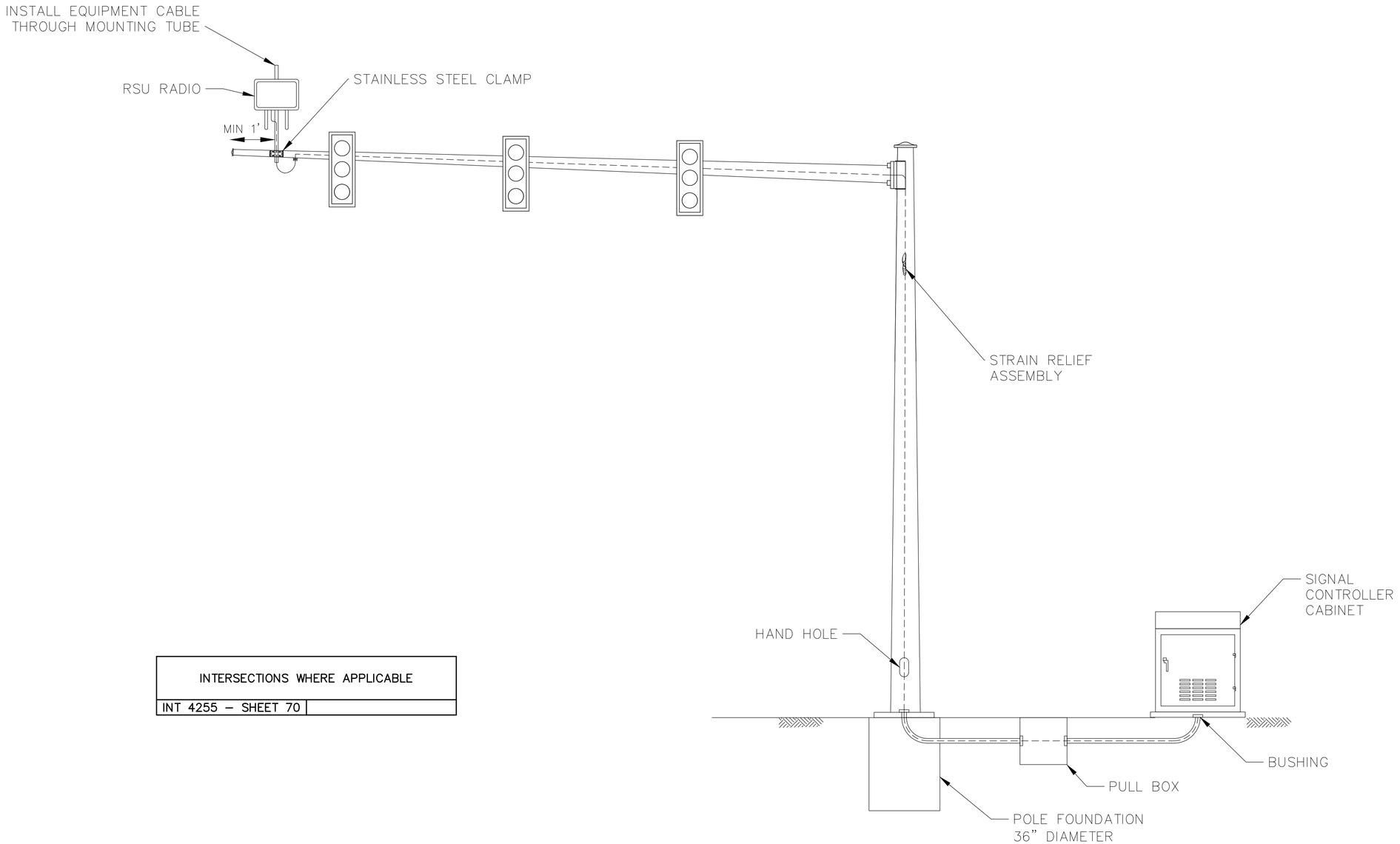
CITY OF COLUMBUS TRAFFIC SIGNAL SYSTEM
(CTSS) PHASE F – FINAL SUBMITTAL

CIP: 540007-100060
PID NUMBER: 110521

3676-E

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J:\Jobs\70202 – CTSS Phase F\TECHPROD\Sheets\Details\ST_CTSS_002_Details.dwg – STRAIN POLE AND MAST ARM layout ~ last saved by: gburch 02/22/2022 09:14pm ~ printed 06/01/2022 04:16pm PSLTS: 1 LTS: 1 CAS: 1" = 1'



RSU TYPICAL MAST ARM INSTALLATION

INTERSECTIONS WHERE APPLICABLE
INT 4255 – SHEET 70

NOTES

1. POSITION RSU RADIO TO ENSURE OPTIMUM LINE OF SIGHT ALONG MAINLINE WITHOUT OBSTRUCTING VIEW OF SIGNAL HEADS OR SIGNAGE.
2. NOT ALL OF THE SIGNALS THAT REFERENCE THIS DETAIL SHEET FOLLOW THIS EXACT CONFIGURATION. SOME MAY HAVE POLE MOUNTED CONTROLLERS, DIFFERENT SIGNAL CONFIGURATIONS, ETC.

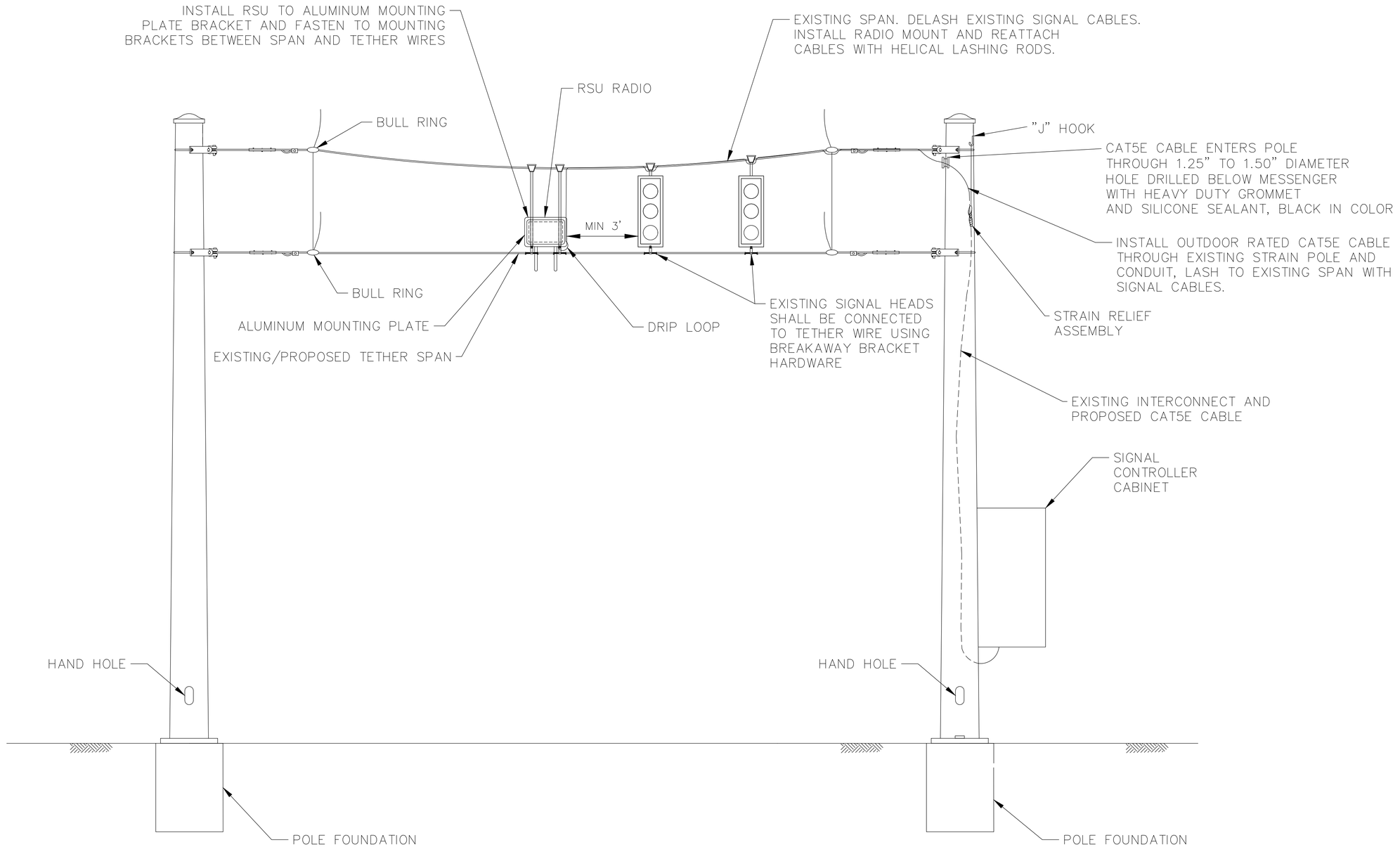
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J:\Jobs\70202 – CTSS Phase F\TECHPROD\Sheets\Details\DSRC_Mounting Details.dwg – MAST ARM layout ~ last saved by: gburch 03/30/2022 02:50pm ~ printed 06/01/2022 04:16pm PSLTS: 1 LTS: 1 CAS: 1" = 1'

CIP: 540007–100060
PID NUMBER: 110521

MAST ARM RADIO MOUNTING DETAILS

CITY OF COLUMBUS TRAFFIC SIGNAL SYSTEM
(CTSS) PHASE F – FINAL SUBMITTAL



INTERSECTIONS WHERE APPLICABLE	
INT 4144 – SHEET 70	INT 4114 – SHEET 73
INT 4030 – SHEET 78	INT 4110 – SHEET 80
INT 4108 – SHEET 81	

RSU TYPICAL AERIAL SPAN INSTALLATION

NOTES

1. POSITION RSU RADIO TO ENSURE OPTIMUM LINE OF SIGHT ALONG MAINLINE WITHOUT OBSTRUCTING VIEW OF SIGNAL HEADS OR SIGNAGE.
2. NOT ALL OF THE SIGNALS THAT REFERENCE THIS DETAIL SHEET FOLLOW THIS EXACT CONFIGURATION. DETAIL MAY VARY, SOME MAY HAVE GROUND MOUNTED CONTROLLERS, DIFFERENT SPAN CONFIGURATIONS, ETC.

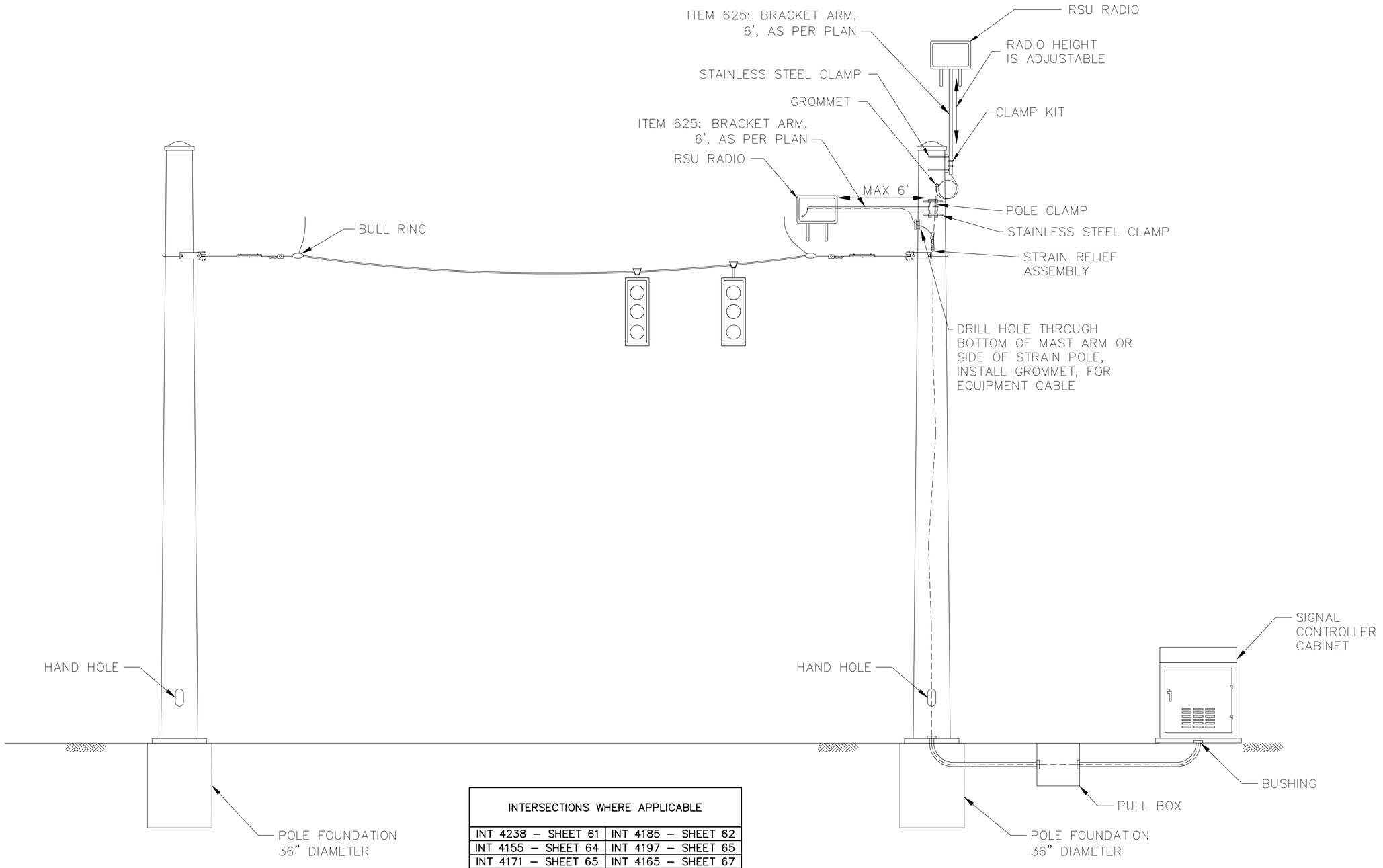
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CIP: 540007–100060
PID NUMBER: 110521

SPAN–TETHER RADIO MOUNTING DETAILS WITH SIGNALS

CITY OF COLUMBUS TRAFFIC SIGNAL SYSTEM (CTSS) PHASE F – FINAL SUBMITTAL

J:\Jobs\70202 – CTSS Phase F\TECHPROD\Sheets\Details\DSRC_Mounting Details.dwg – SPAN–TETHER layout ~ last saved by: gburch 03/30/2022 02:50pm ~ printed 06/01/2022 04:16pm PSLTS: 1 LTS: 1 CAS: 1" = 1'



INTERSECTIONS WHERE APPLICABLE	
INT 4238 – SHEET 61	INT 4185 – SHEET 62
INT 4155 – SHEET 64	INT 4197 – SHEET 65
INT 4171 – SHEET 65	INT 4165 – SHEET 67
INT 4169 – SHEET 68	INT 4170 – SHEET 68
INT 4216 – SHEET 72	INT 4115 – SHEET 72
INT 4167 – SHEET 74	INT 4092 – SHEET 76
INT 4112 – SHEET 76	INT 4031 – SHEET 77
INT 4117 – SHEET 80	INT 4109 – SHEET 81
INT 4186 – SHEET 84	INT 4187 – SHEET 84
INT 4122 – SHEET 85	INT 4121 – SHEET 87
INT 4142 – SHEET 88	INT 4141 – SHEET 90

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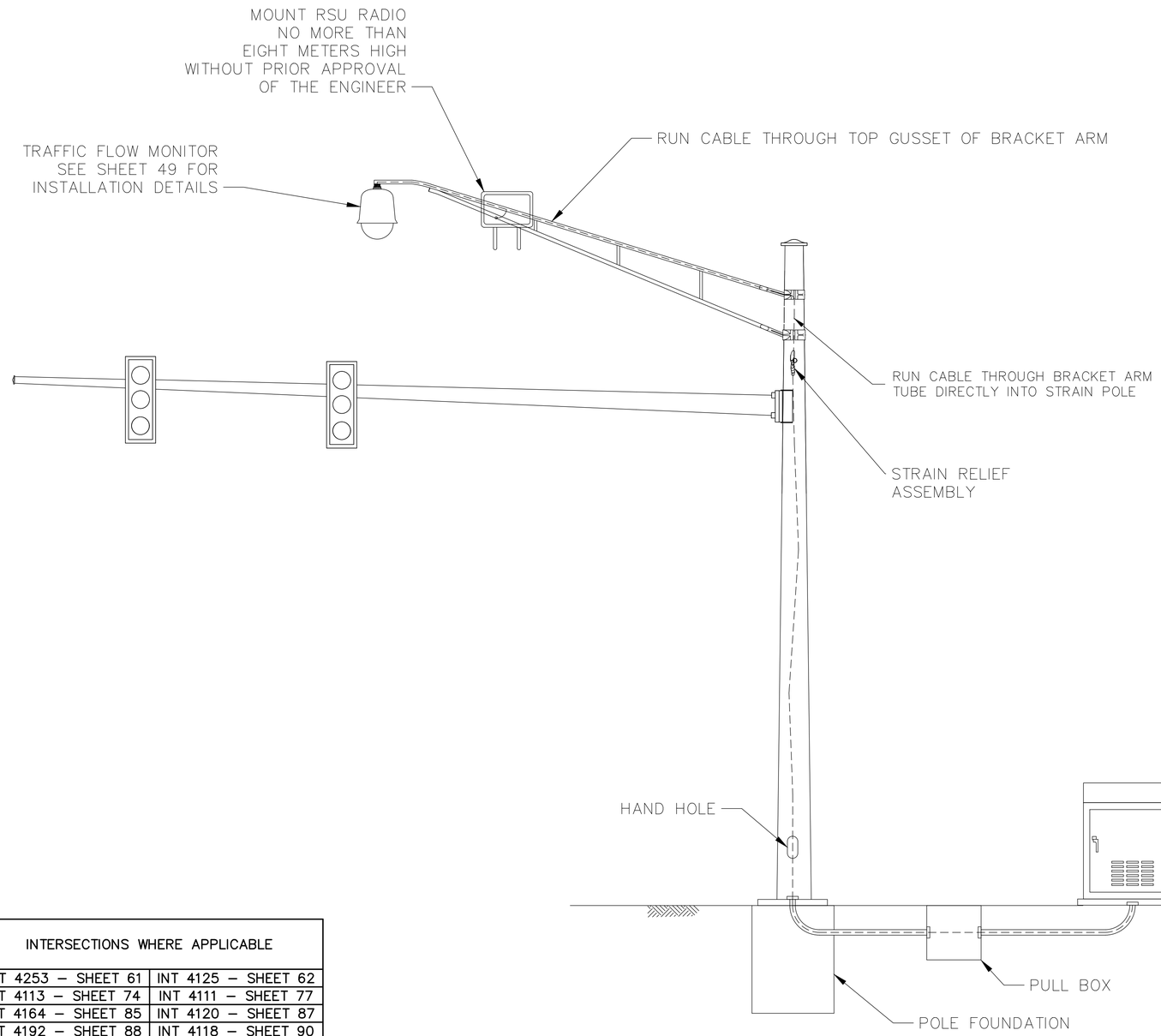
3676-E

CIP: 540007–100060
PID NUMBER: 110521

BRACKET RADIO MOUNTING DETAILS

CITY OF COLUMBUS TRAFFIC SIGNAL SYSTEM
(CTSS) PHASE F – FINAL SUBMITTAL

J:\Jobs\70202 – CTSS Phase F\TECHPROD\Sheets\Details\DSRC_Mounting Details.dwg – BRACKET ARM layout ~ last saved by: gburch 03/30/2022 02:50pm ~ printed 06/01/2022 04:16pm PSLTS: 1 LTS: 1 CAS: 1" = 1'



RSU TYPICAL STRAIN POLE
BRACKET INSTALLATION

INTERSECTIONS WHERE APPLICABLE	
INT 4253 – SHEET 61	INT 4125 – SHEET 62
INT 4113 – SHEET 74	INT 4111 – SHEET 77
INT 4164 – SHEET 85	INT 4120 – SHEET 87
INT 4192 – SHEET 88	INT 4118 – SHEET 90
INT 4166 – SHEET 116	

NOTES

1. POSITION RSU RADIO TO ENSURE OPTIMUM LINE OF SIGHT ALONG MAINLINE WITHOUT OBSTRUCTING VIEW OF SIGNAL HEADS OR SIGNAGE.
2. NOT ALL OF THE SIGNALS THAT REFERENCE THIS DETAIL SHEET FOLLOW THIS CONFIGURATION. SOME MAY HAVE POLE MOUNTED CONTROLLERS.

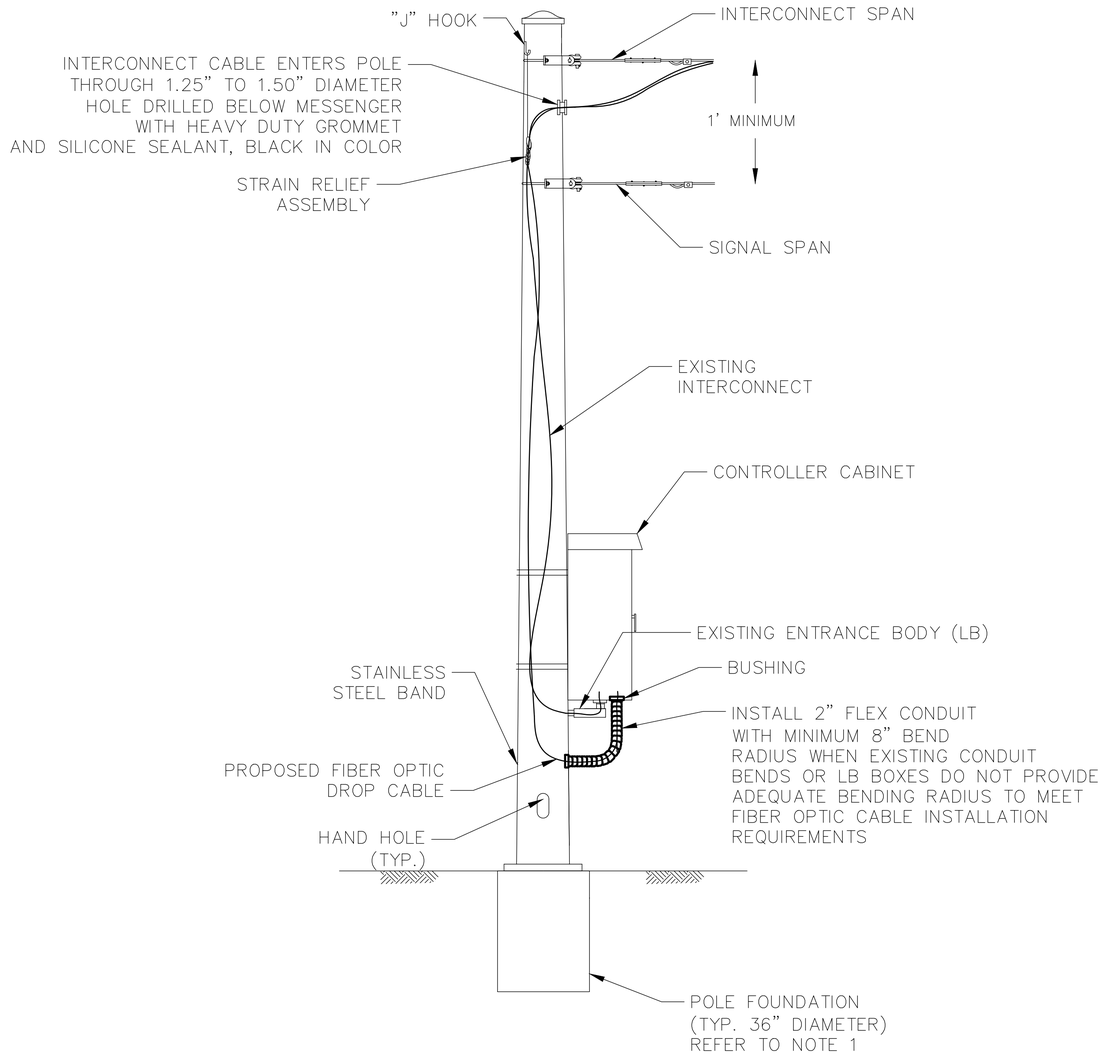
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J:\Jobs\70202 – CTSS Phase F\TECHPROD\Sheets\Details\DSRC_Mounting Details.dwg – HORIZONTAL MOUNT layout ~ last saved by gburch 03/30/2022 02:50pm ~ printed 06/01/2022 04:16pm PSLTS: 1 LTS: 1 CAS: 1" = 1'

BRACKET ARM RADIO MOUNTING DETAILS WITH TRAFFIC FLOW MONITOR

CITY OF COLUMBUS TRAFFIC SIGNAL SYSTEM
(CTSS) PHASE F – FINAL SUBMITTAL

CIP: 540007-100060
PID NUMBER: 110521



AERIAL SPAN TO
POLE MOUNTED CABINET

NOTES:

PROPOSED INTERCONNECT CABLE TO BE INSTALLED THROUGH DRILLED HOLE AS IDENTIFIED IN PLANS OR AS DIRECTED BY ENGINEER AND IS TO BE PAID INCIDENTAL TO COMPOSITE CABLE, CAT5E CABLE, OR PATCH PANEL.

FLEXIBLE METAL CONDUIT TO BE INSTALLED AS DIRECTED BY OR APPROVED BY THE ENGINEER AND IS TO BE PAID INCIDENTAL TO COMPOSITE CABLE, CAT5E CABLE, OR PATCH PANEL.

NOT TO SCALE.

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CIP: 540007-100060
PID NUMBER: 110521

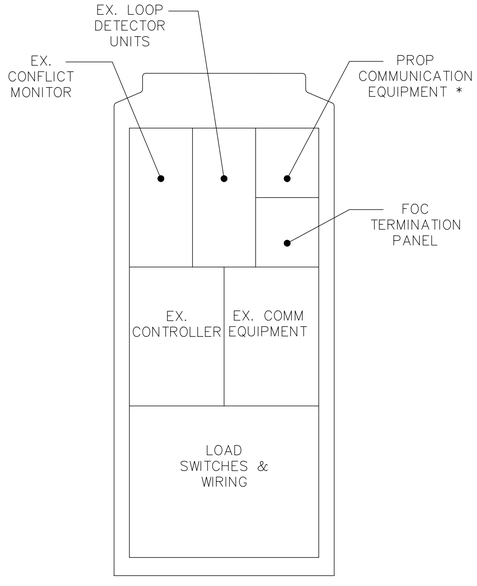
AERIAL DROP CABLE INSTALLATION
EMBEDDED POLE/WOOD POLE

CITY OF COLUMBUS TRAFFIC SIGNAL SYSTEM
(CTSS) PHASE F – FINAL SUBMITTAL

J:\Jobs\70202 – CTSS Phase F\TECHPROD\Sheets\Details\ST_CTSS_002_Detail9.dwg – AERIAL COM VIA RISER layout ~ last saved by: gburch 02/22/2022 09:20pm ~ printed 06/01/2022 04:16pm PSLTS: 1 LTS: 1 CAS: 1" = 1'

TYPICAL DETAIL FOR "P" CABINET
44"W x 55" TALL

TYPICAL DETAIL FOR "M" CABINET
30"W x 50" TALL



TYPICAL DETAIL FOR "M STRETCH" CABINET
30"W x 68" TALL

* – EQUIPMENT MOUNTED TO BACK, SIDE OR SHELF IN EXISTING CABINET.

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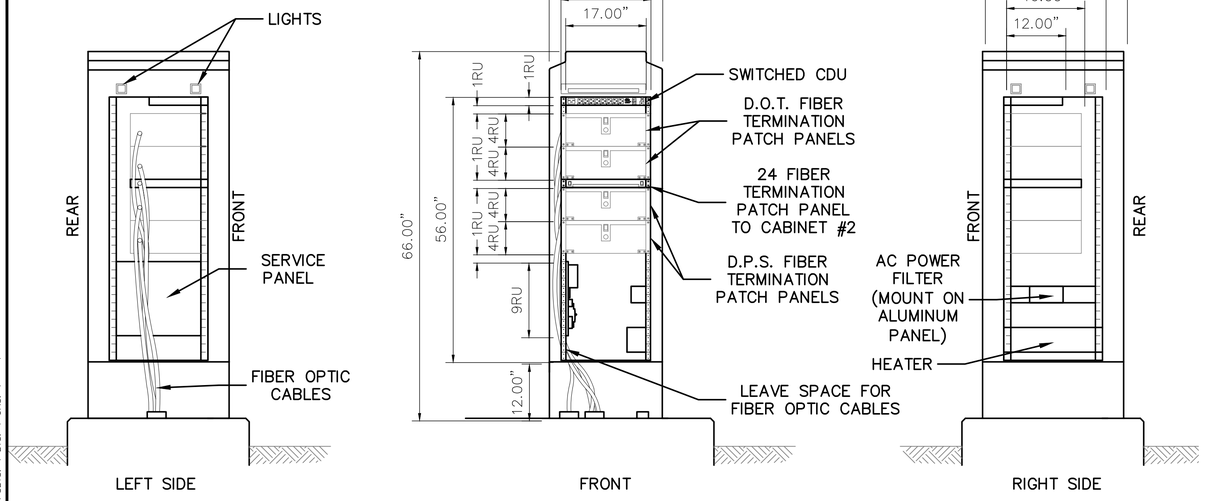
CIP: 540007-100060
PID NUMBER: 110521

SIGNAL CABINET DETAILS
TYPICAL FOR "P" CABINET, "M" CABINET AND "M STRETCH" CABINET

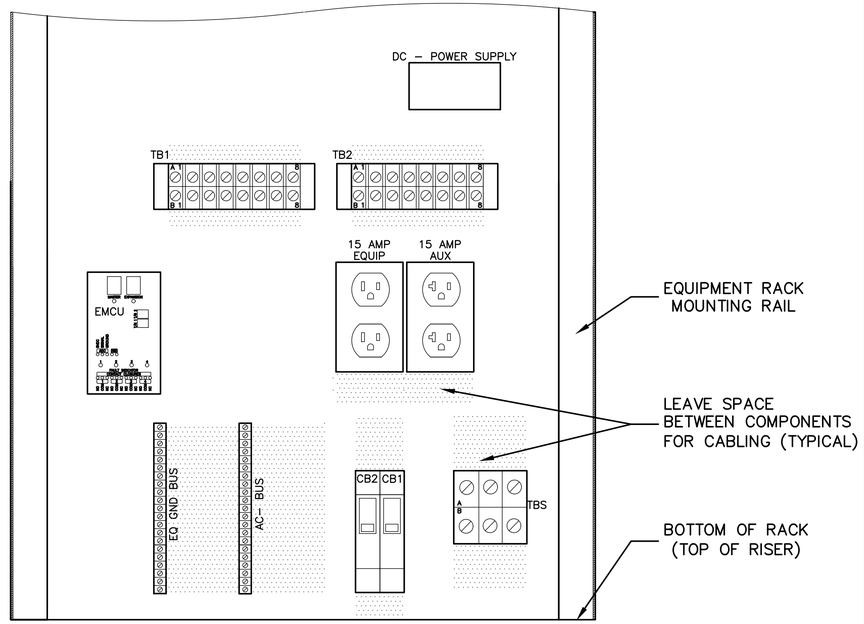
CITY OF COLUMBUS TRAFFIC SIGNAL SYSTEM
(CTSS) PHASE F – FINAL SUBMITTAL

3676-E

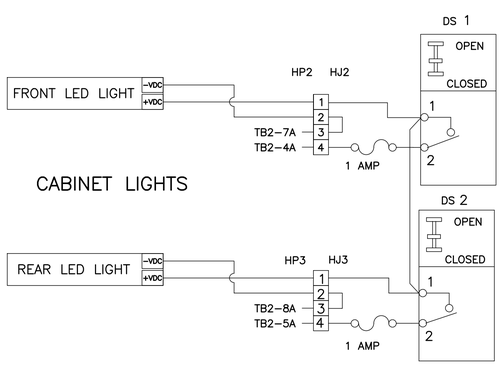
J:\Jobs\70202 – CTSS Phase F\TECHPROD\Sheets\Details\ST_CTSS_002_Detail6.dwg – CABINET DETAILS 1 layout ~ last saved by: jbeans 02/22/2022 09:34pm ~ printed 06/01/2022 04:16pm PSLTS: 1 LTS: 1 CAS: 1" = 1"



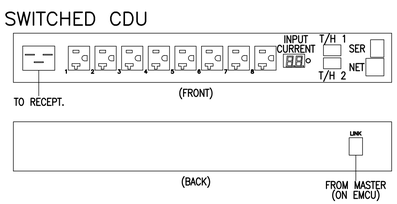
CABINET PROFILE



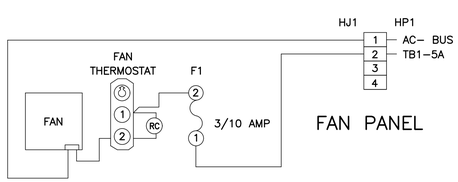
SERVICE PANEL – APPROXIMATE COMPONENT LAYOUT



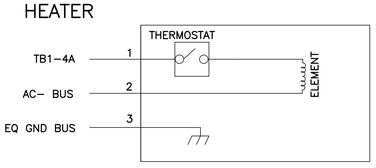
CABINET LIGHTS



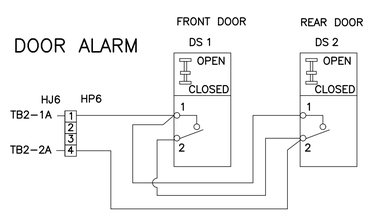
NOTE: 6 POSITION OUTLET STRIP PLUGS INTO OUTLET ON EQUIP. RACK SERVICE PANEL.

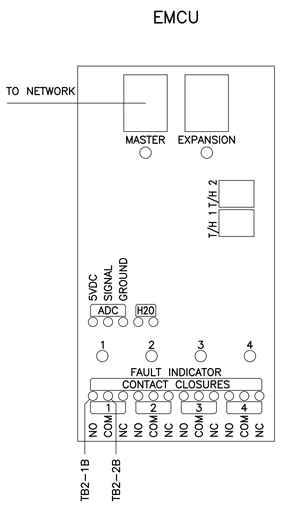


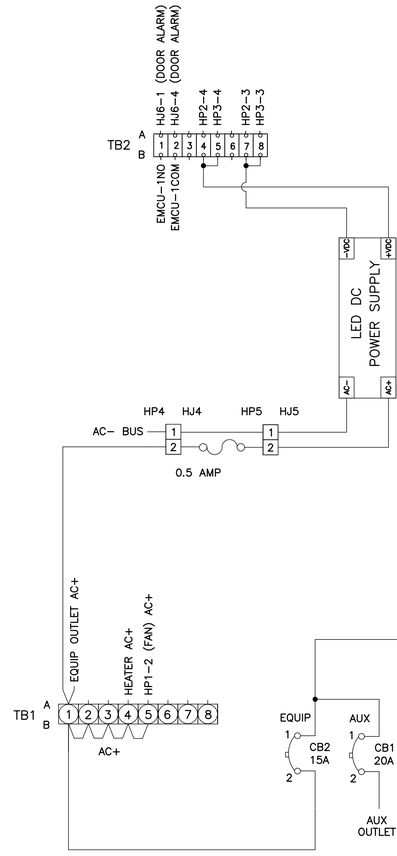
FAN PANEL

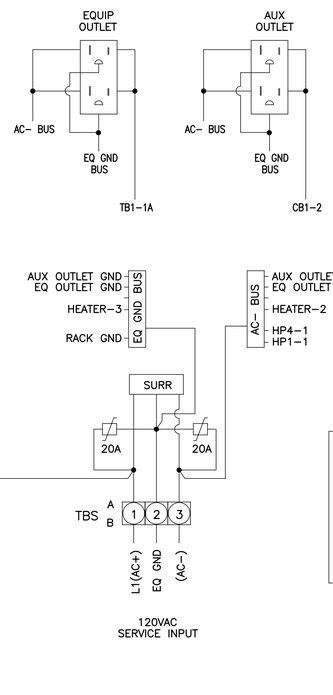


MOUNTED ON LOWER FRONT RAIL









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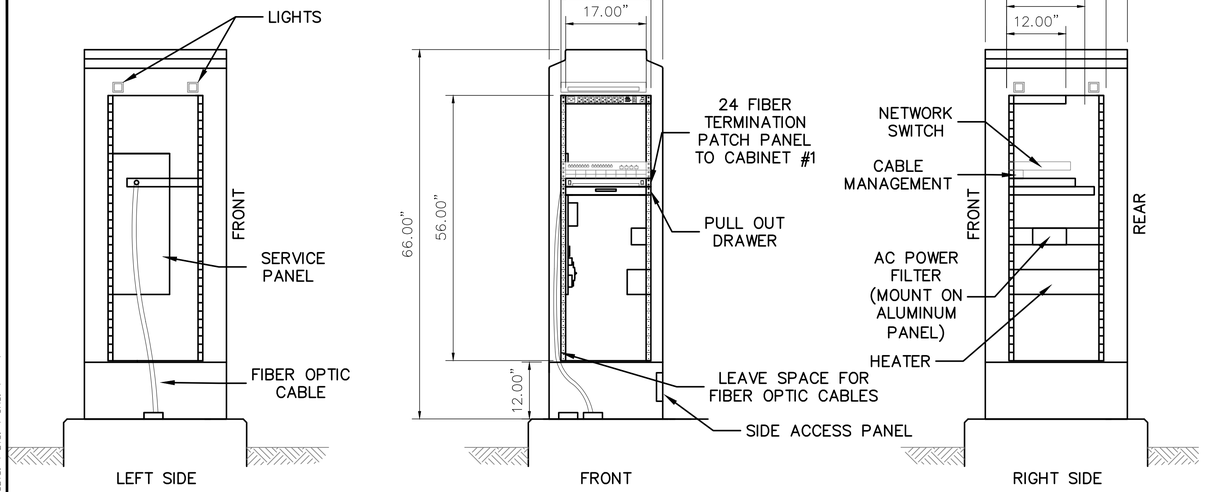
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PID NUMBER: 110521

COMMUNICATIONS NODE
CABINET #1 LAYOUT

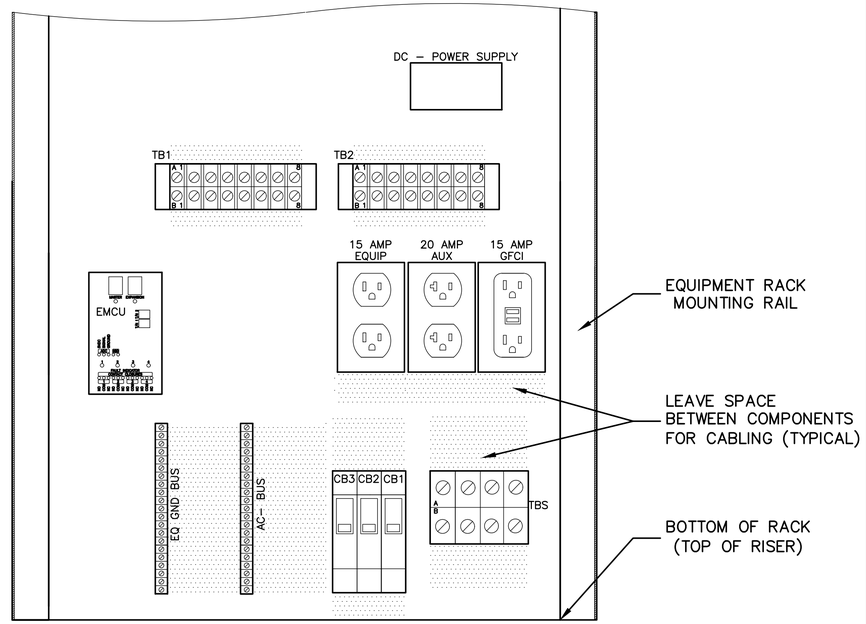
CITY OF COLUMBUS TRAFFIC SIGNAL SYSTEM
(CTSS) PHASE F – FINAL SUBMITTAL

57
768

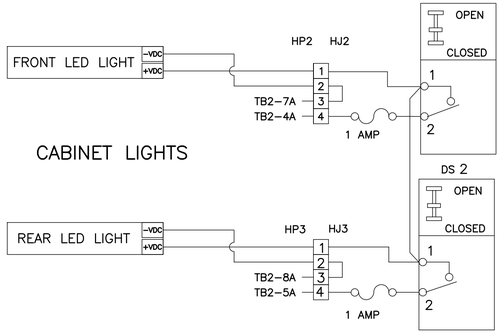
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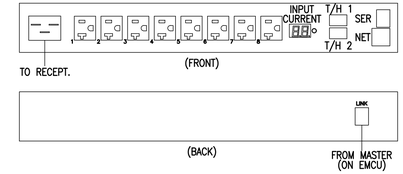


CABINET PROFILE

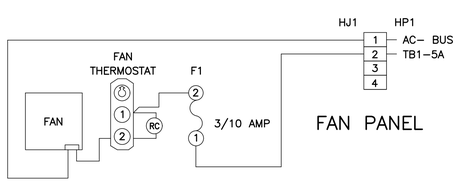


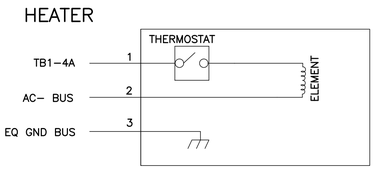
SERVICE PANEL – APPROXIMATE COMPONENT LAYOUT

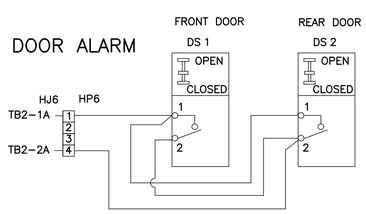


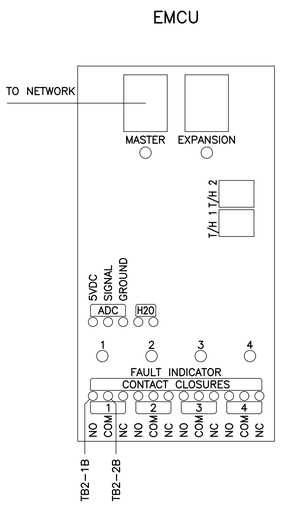


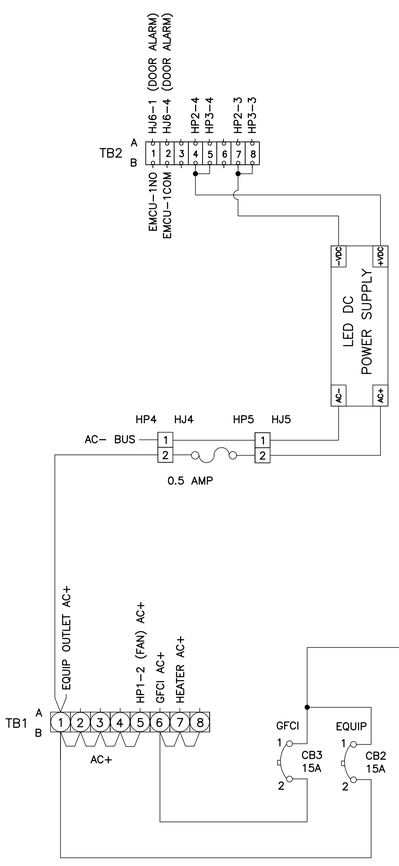
NOTE: 6 POSITION OUTLET STRIP PLUGS INTO OUTLET ON EQUIP. RACK SERVICE PANEL.

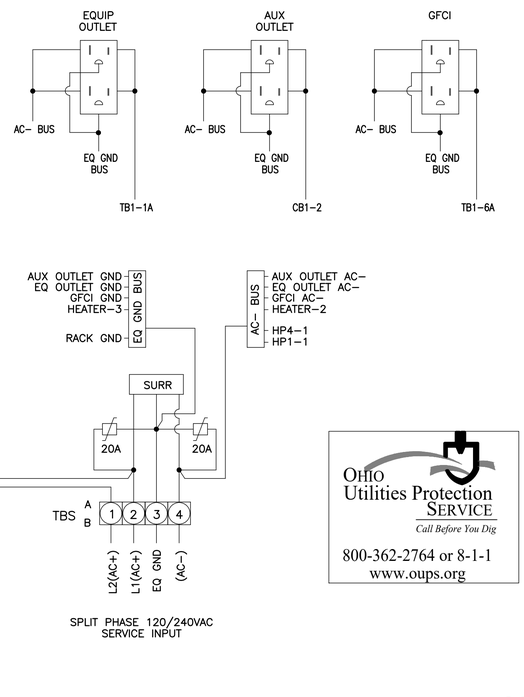












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3676-E

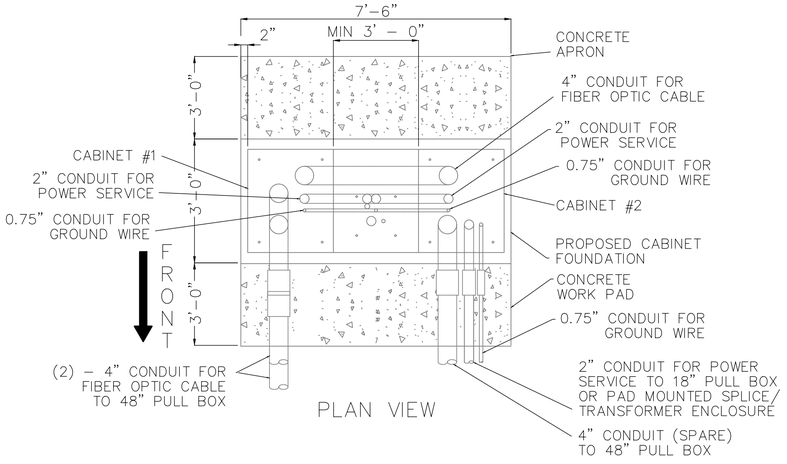
CIP: 540007–100060
PID NUMBER: 110521

COMMUNICATIONS NODE
CABINET #2 LAYOUT

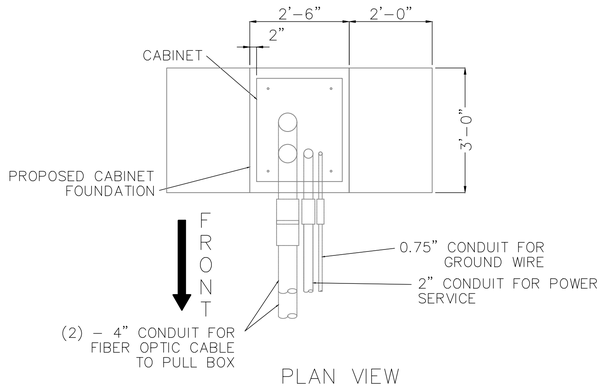
CITY OF COLUMBUS TRAFFIC SIGNAL SYSTEM
(CTSS) PHASE F – FINAL SUBMITTAL

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J:\Jobs\70202 – CTSS Phase F\TECHPROD\Sheets\Details\ST_CTSS_002_Detail6.dwg – CABINET DETAILS 2 B layout ~ last saved by: jbeans 02/22/2022 09:34pm ~ printed 06/01/2022 04:17pm PSLTS: 1 LTS: 1 CAS: 1" = 1"



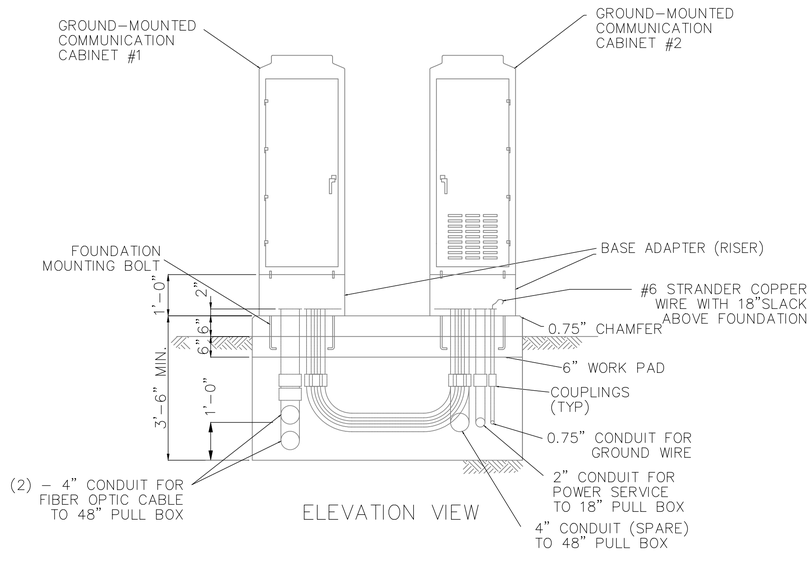
PLAN VIEW



PLAN VIEW

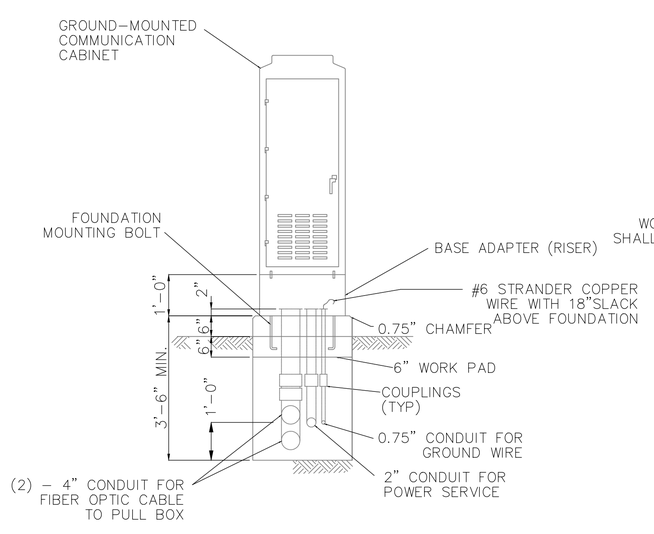
NOTES:

1. FOR 4" CONDUIT SWEEPS USE 36" BEND RADIUS.
2. FOR 0.75" AND 2" CONDUIT SWEEPS USE 24" BEND RADIUS.
3. CONDUIT SHALL TYPICALLY BE PVC SCH. 80 UNLESS OTHERWISE DIRECTED.
4. CABINET DOORS ARE TO BE POSITIONED AS TO NOT INTERFERE WITH CABINET DOORS OF ADJACENT CABINETS.
5. NOT TO SCALE.

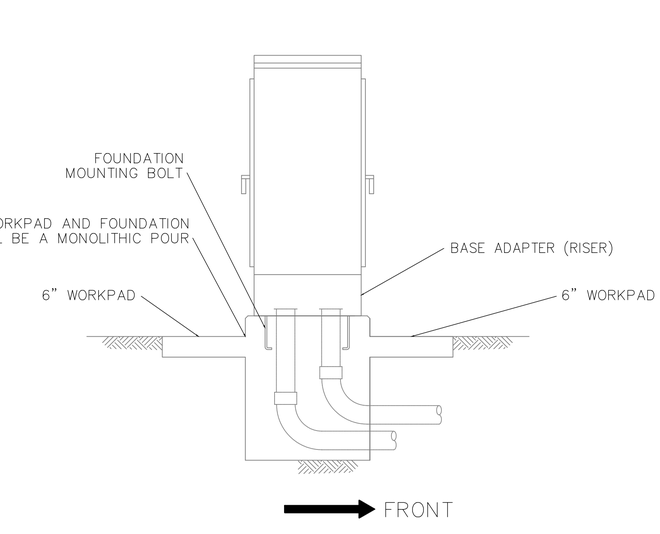


ELEVATION VIEW

DUAL 334 CABINET
COMMUNICATIONS NODE SITE



ELEVATION FRONT VIEW



ELEVATION LEFT SIDE VIEW

334 CABINET
FIBER ACCESS SITE

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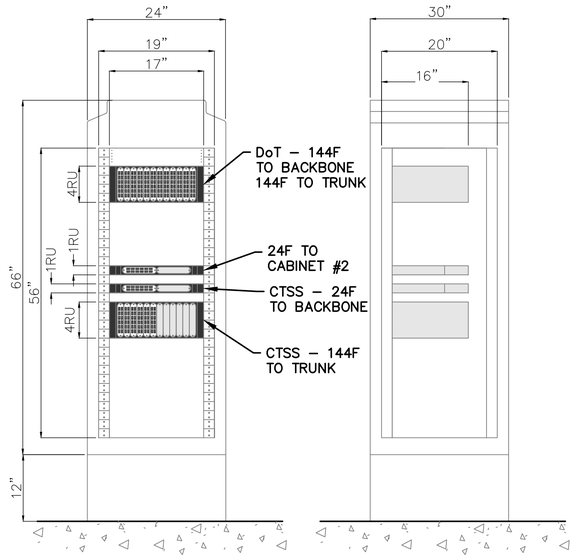
CIP: 540007-100060
PID NUMBER: 110521

COMMUNICATIONS NODE CABINET DETAILS

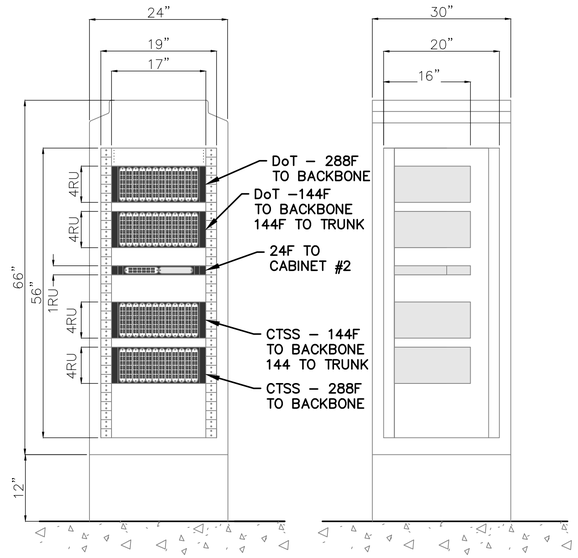
CITY OF COLUMBUS TRAFFIC SIGNAL SYSTEM
(CTSS) PHASE F - FINAL SUBMITTAL

3676-E

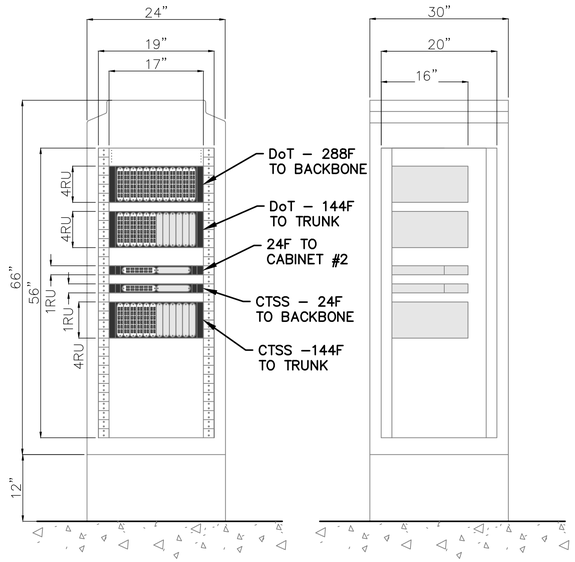
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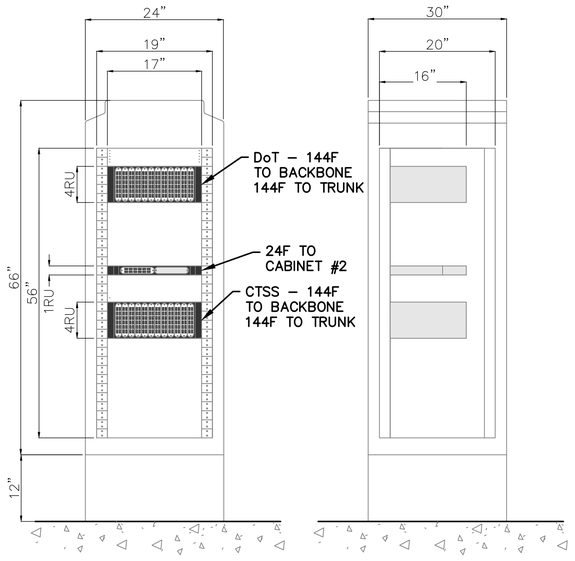
DETAIL 'A'



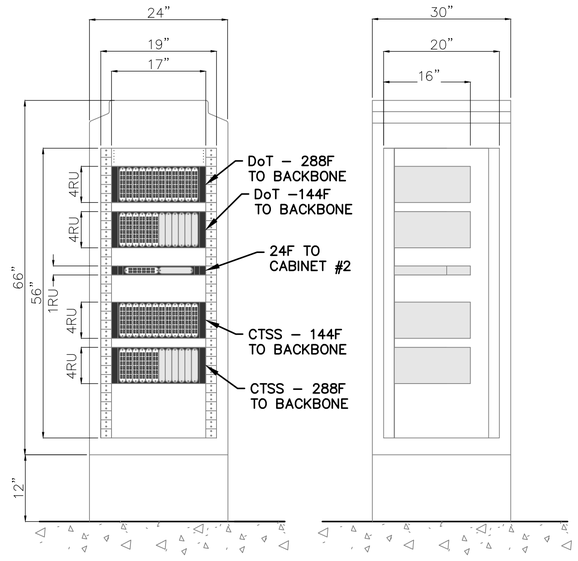
DETAIL 'B'



DETAIL 'C'



DETAIL 'D'



DETAIL 'E'

NODE SHEET INDEX

NODE #	MAJOR HIGHWAY	SECONDARY ROAD	PLAN SHEET #	COMM. SHEET #	DETAIL TYPE
071117.6	I–71	DUBLIN–GRANVILLE RD	398	707	A
070098.3	I–70	MOUND ST	409	737	D
033132.2	US–33	HAMILTON RD	412	726	D
104095.0	SR–104	REFUGEE RD	415	720	~~D~~ E
670005.0	I–670	CLEVELAND AVE	403	728	B
670007.5	I–670	FIFTH AVE	406	712	C

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NOTES

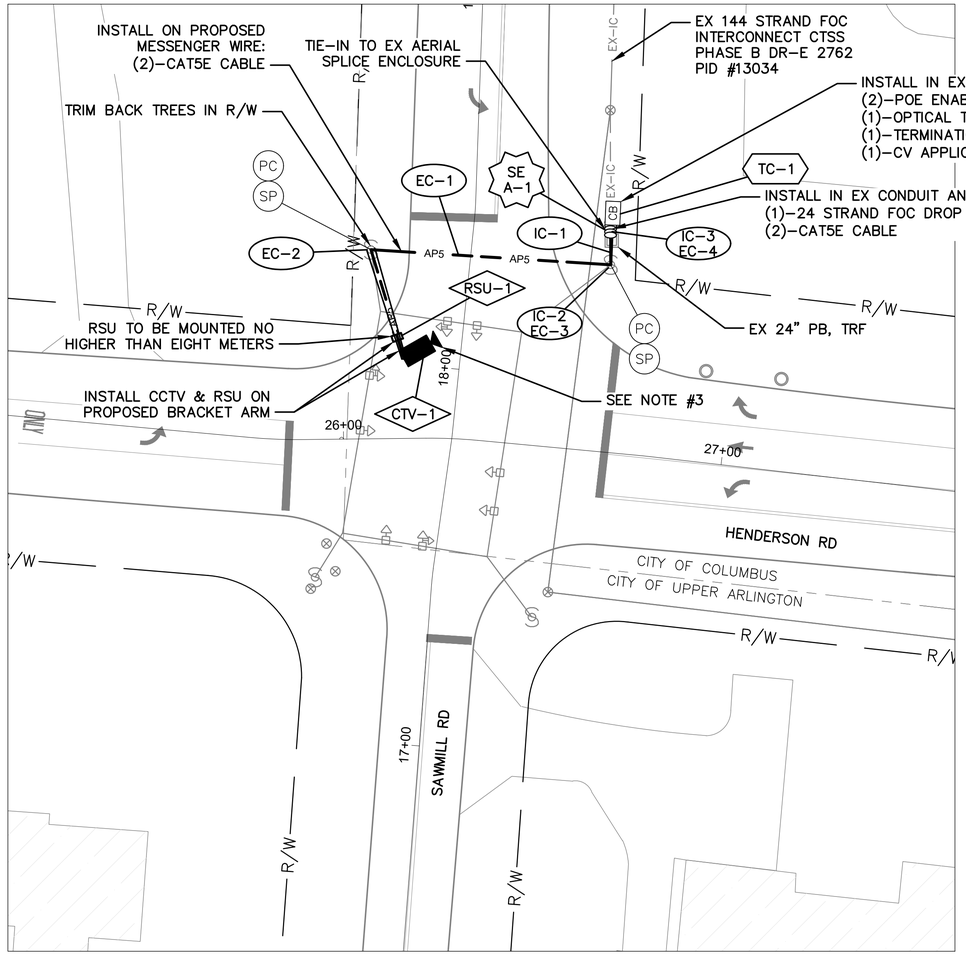
1. (1) RU = 1.75"
2. PATCH PANELS CAPABLE OF HOUSING TWELVE (12) HIGH DENSITY, DUPLEX LC–APC MODULES WITH 24F CAPACITY PER INSERT PLATE.
3. DoT – COLUMBUS DEPARTMENT OF TECHNOLOGY

CIP: 540007–100060
PID NUMBER: 110521

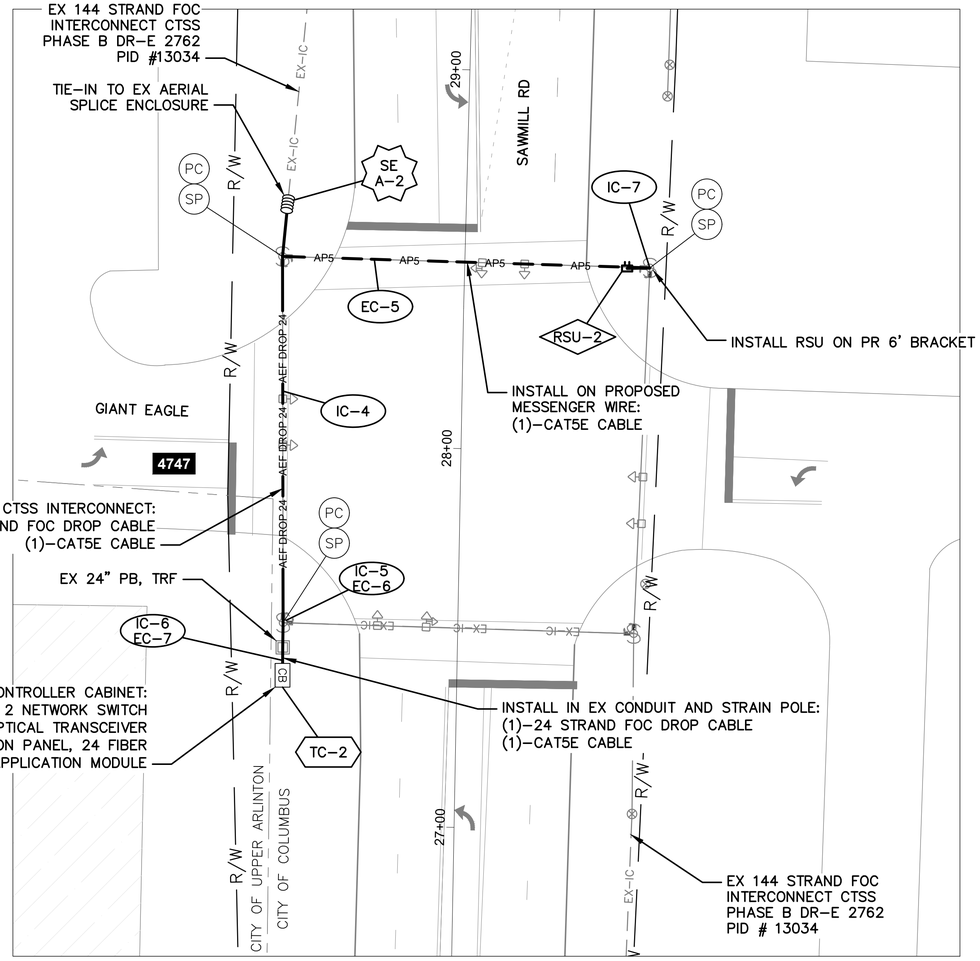
COMMUNICATION NODE SHEET
TERMINATION PANEL INDEX

CITY OF COLUMBUS TRAFFIC SIGNAL SYSTEM
(CTSS) PHASE F – FINAL SUBMITTAL

J:\Jobs\70202 – CTSS Phase F\TECHPROD\Sheets\Details\ST_CTSS_002_Details6.dwg – CABINET DETAILS 4 layout ~ last saved by: jbeans 02/22/2022 09:34pm ~ printed 06/01/2022 04:17pm PSLTS: 1 LTS: 1 CAS: 1" = 1"



DETAIL - INT 4253 - HENDERSON RD AT SAWMILL RD



DETAIL - INT 4238 - GIANT EAGLE AT SAWMILL RD

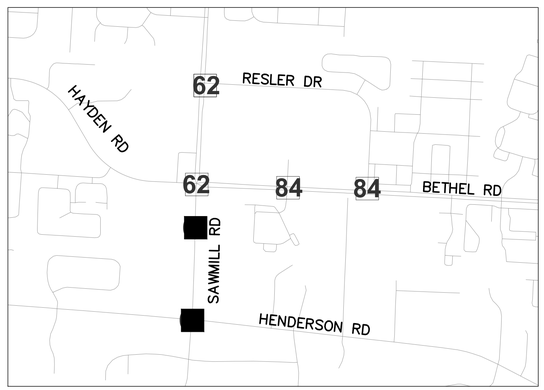
NOTES:

1. SEE SHEET 63 FOR QUANTITIES.
2. SEE SHEETS 451, 482, & 483 FOR COMMUNICATION DETAILS.
3. SEE SHEET 49 FOR CCTV MOUNTING DETAILS.
4. FOR RADIO MOUNTING DETAILS:
   INT 4253 – SEE SHEET 54
   INT 4238 – SEE SHEET 53

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CITY OF COLUMBUS UTILITY LEGEND

- ☐ SEWER
- ☐ WATER
- ☐ POWER
- ☐ LIGHTING



REFER TO SHEET 8 FOR INTERCONNECT SHEET INDEX

KEY PLAN
NOT TO SCALE

3676-E

HORIZONTAL SCALE IN FEET
0 20 40

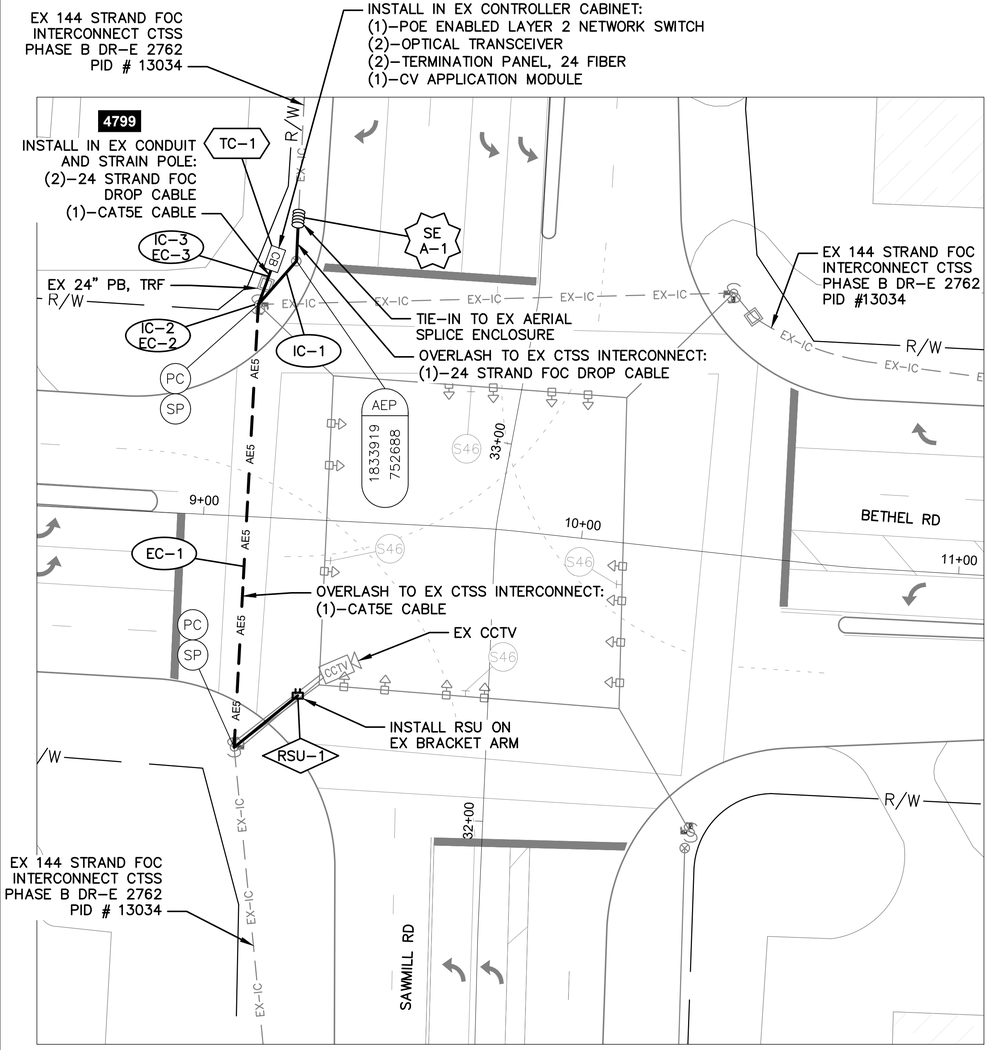
CIP: 540007–100060
PID NUMBER: 110521

INTERCONNECT PLAN – INT 4253 – HENDERSON RD AT SAWMILL RD
INT 4238 – GIANT EAGLE AT SAWMILL RD

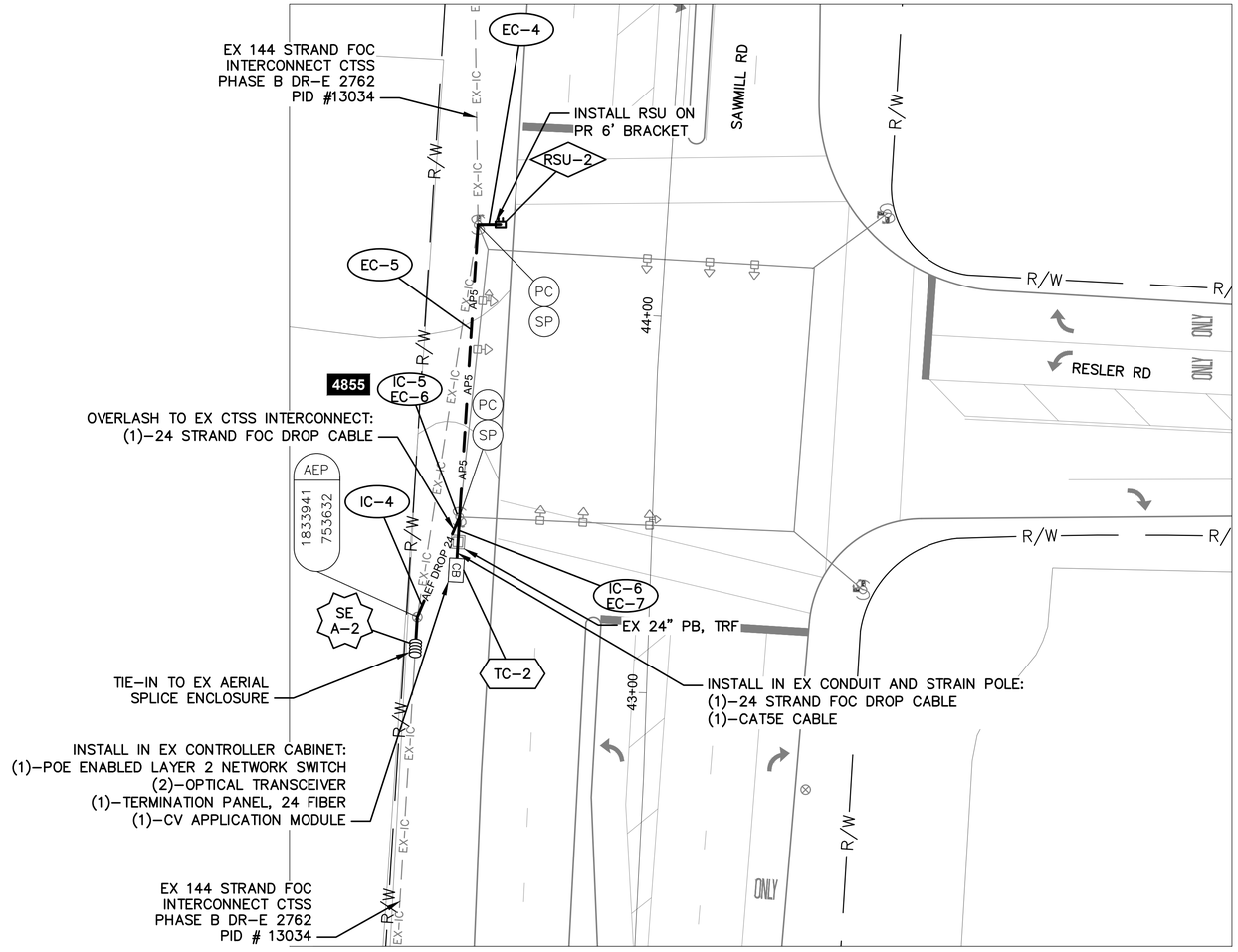
CITY OF COLUMBUS TRAFFIC SIGNAL SYSTEM (CTSS) PHASE F – FINAL SUBMITTAL

61
768

J:\Jobs\70202 – CTSS Phase F\TECHPROD\Sheets\CTSS_PhF_Trunk1_SAWMILL_INTERCONNECT.dwg – SAWMILL–1 layout ~ last saved by: gburch 05/26/2022 09:46pm ~ printed 06/01/2022 04:23pm PSLTS: 1 LTS: 1 CAS: 1:1



DETAIL - INT 4125 - BETHEL RD AT SAWMILL RD



DETAIL - INT 4185 - RESLER RD AT SAWMILL RD

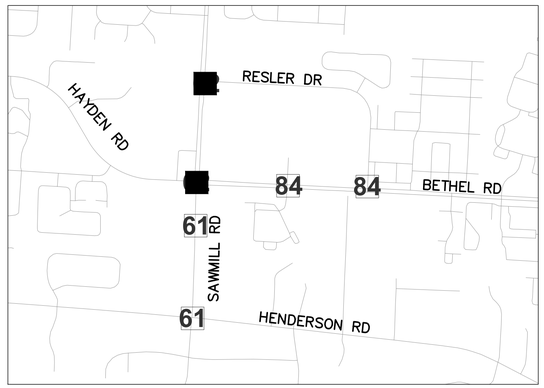
NOTES:

1. SEE SHEET 63 FOR QUANTITIES.
2. SEE SHEETS 451, 484 & 486 FOR COMMUNICATION DETAILS.
3. FOR RADIO MOUNTING DETAILS:
   INT 4125 – SEE SHEET 54
   INT 4185 – SEE SHEET 53

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CITY OF COLUMBUS UTILITY LEGEND

- ☐ SEWER
- ☐ WATER
- ☐ POWER
- ☐ LIGHTING



REFER TO SHEET 8 FOR INTERCONNECT SHEET INDEX

KEY PLAN
NOT TO SCALE

3676-E

HORIZONTAL SCALE IN FEET
0 20 40

CIP: 540007-100060
PID NUMBER: 110521

INTERCONNECT PLAN – INT 4125 – BETHEL RD AT SAWMILL RD
INT 4185 – RESLER RD AT SAWMILL RD

CITY OF COLUMBUS TRAFFIC SIGNAL SYSTEM
(CTSS) PHASE F – FINAL SUBMITTAL

62
768

J:\Jobs\70202 – CTSS Phase F\TECHPROD\Sheets\CTSS_PhF_Trunk1_SAWMILL_INTERCONNECT.dwg – SAWMILL-2 layout ~ last saved by: gburch 05/26/2022 – printed 06/01/2022 04:24pm PSLTS: 1 LTS: 1 CAS: 1:1

ESTIMATED QUANTITIES

SHEET NO.	REFERENCE NO.	LOCATION	STATION		202	625	625	632	632	632	632	632	632	632	633	633	633						
					EXISTING CONDUIT CLEANED, AS PER PLAN	BRACKET ARM, 6', AS PER PLAN	BRACKET ARM, 30', AS PER PLAN	INTERCONNECT CABLE, MISC.: FIBER OPTIC DROP CABLE, 24 STRAND	INTERCONNECT CABLE, MISC.: FIBER OPTIC FUSION SPLICE	INTERCONNECT CABLE, MISC.: OVERLASH TO EXISTING INTERCONNECT	INTERCONNECT CABLE, MISC.: TERMINATION PANEL, 24 FIBER	INTERCONNECT, MISC.: CAT 5E CABLE, OUTDOOR RATED	MESSENGER WIRE, 7 STRAND, 1/4" DIAMETER WITH ACCESSORIES, AS PER PLAN	ROADSIDE UNIT RADIO, AS PER PLAN	SIGNALIZATION, MISC.: CCTV IP-CAMERA SYSTEM	CONTROLLER ITEM, MISC.: CV APPLICATION MODULE	CONTROLLER ITEM, MISC.: FIBER OPTIC ETHERNET TRANSCEIVER, SHORT RANGE	CONTROLLER ITEM, MISC.: POE ENABLED LAYER 2 ETHERNET SWITCH						
			FROM	TO	FT	EACH	EACH	FT	EACH	FT	EACH	FT	FT	EACH	EACH	EACH	EACH	EACH						
SAWMILL RD., INTS 4253 & 4238																							
61	CTV-1	SAWMILL RD	18+01, 15' LT											1									
61	EC-2	SAWMILL RD	18+01, 15' LT	18+29, 26' LT			1					60											
61	RSU-1	SAWMILL RD	18+07, 17' LT												1								
61	EC-1	SAWMILL RD	18+29, 26' LT	18+31, 37' RT								128	64										
61	IC-1	SAWMILL RD	18+31, 37' RT	18+40, 36' RT				10		10													
61	IC-2	SAWMILL RD	18+31, 37' RT					35															
61	EC-3	SAWMILL RD	18+31, 37' RT									70											
61	IC-3	SAWMILL RD	18+31, 37' RT	18+43, 36' RT								28											
61	EC-4	SAWMILL RD	18+31, 37' RT	18+43, 36' RT	14							28											
61	SE A-1	SAWMILL RD	18+40, 36' RT					125	12														
61	TC-1	SAWMILL RD	18+43, 36' RT					20			1	40				1	1	2					
61	TC-2	SAWMILL RD	27+39, 46' LT					20			1	20				1	2	1					
61	IC-6	SAWMILL RD	27+39, 46' LT	27+53, 46' LT	14			14															
61	EC-7	SAWMILL RD	27+39, 46' LT	27+53, 46' LT								14											
61	IC-5	SAWMILL RD	27+53, 46' LT					35															
61	EC-6	SAWMILL RD	27+53, 46' LT									35											
61	IC-4	SAWMILL RD	27+53, 46' LT	28+63, 47' LT				111		111		111											
61	RSU-2	SAWMILL RD	28+45, 45' RT											1									
61	IC-7	SAWMILL RD	28+45, 45' RT	28+49, 49' RT		1						12											
61	EC-5	SAWMILL RD	28+49, 49' LT	28+49, 49' RT								96	96										
61	SE A-2	SAWMILL RD	28+63, 47' LT					125	24														
SAWMILL RD., INTS 4125 & 4185																							
62	RSU-1	SAWMILL RD	32+31, 50' LT											1									
62	EC-1	SAWMILL RD	32+31, 50' LT	33+23, 72' LT						141		141											
62	EC-2	SAWMILL RD	33+23, 72' LT									35											
62	IC-2	SAWMILL RD	33+23, 72' LT					70															
62	IC-3	SAWMILL RD	33+23, 72' LT	33+45, 70' LT	13			26															
62	EC-3	SAWMILL RD	33+23, 72' LT	33+45, 70' LT								13											
62	IC-1	SAWMILL RD	33+23, 72' LT	33+56, 65' LT				52		26													
62	TC-1	SAWMILL RD	33+45, 70' LT					40			2	20				1	2	1					
62	SE A-1	SAWMILL RD	33+56, 65' LT					250	36														
62	SE A-2	SAWMILL RD	43+09, 62' LT					125	24														
62	IC-4	SAWMILL RD	43+09, 62' LT	43+44, 51' LT				37		37													
62	TC-2	SAWMILL RD	43+30, 52' LT					20			1	20				1	2	1					
62	EC-7	SAWMILL RD	43+30, 52' LT	43+44, 51' LT	14							14											
62	IC-6	SAWMILL RD	43+30, 52' LT	43+44, 51' LT				14															
62	EC-6	SAWMILL RD	43+44, 51' LT									35											
62	EC-5	SAWMILL RD	43+44, 51' LT	44+21, 50' LT				79				79	79										
62	IC-5	SAWMILL RD	43+44, 51' LT					35															
62	EC-4	SAWMILL RD	44+21, 50' LT	44+22, 44' LT		1						6											
62	RSU-2	SAWMILL RD	44+22, 44' LT											1									
SHEET TOTAL					55	2	1	1,243	96	325	5	926	239	4	1	4	7	5	-	-	-	-	-	-

AERIAL SAG: 1.5% AERIAL SAG IS INCLUDED IN THE QUANTITIES FOR ANY AERIAL FIBER OR CABLE ITEMS.

3676-E

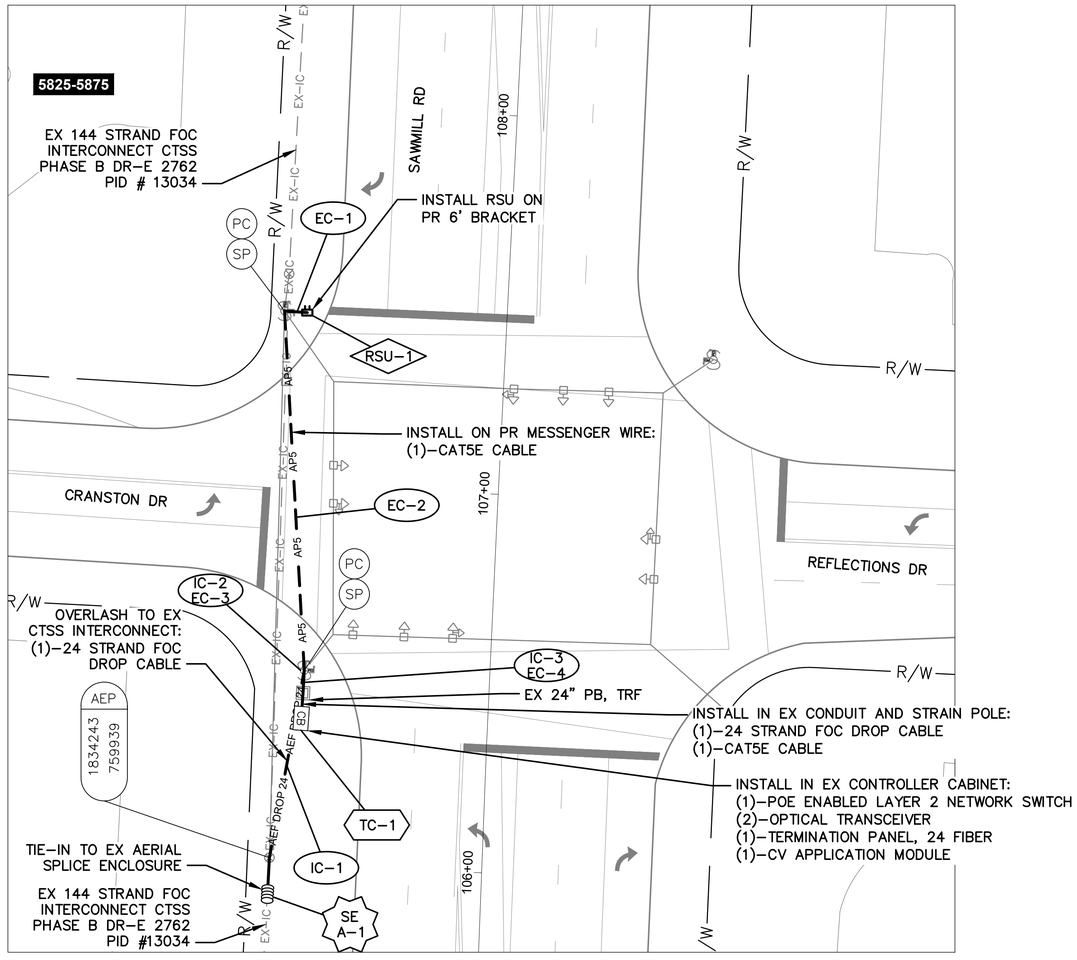
CIP: 540007–100060
PID NUMBER: 110521

CONNECTED VEHICLE ENVIRONMENT
SAWMILL RD

CITY OF COLUMBUS TRAFFIC SIGNAL SYSTEM
(CTSS) PHASE F – FINAL SUBMITTAL

63
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J:\Jobs\70202 – CTSS Phase F\TECHPROD\Sheets\CTSS_PhF_Trunk1_SAWMILL_IC_QUANTITIES.dwg – SAWMILL RD–Q1 layout ~ last saved by: gburch 02/22/2022 09:40pm ~ printed 06/02/2022 09:47am PSLTS: 1 LTS: 1 CAS: 1:1



DETAIL - INT 4155 - CRANSTON DR AT SAWMILL RD

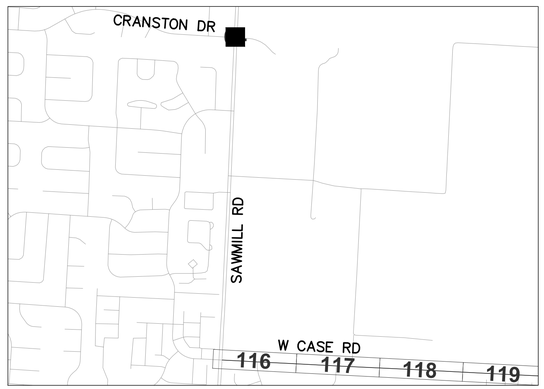
NOTES:

1. SEE SHEET 66 FOR QUANTITIES.
2. SEE SHEETS 451 & 488 FOR COMMUNICATION DETAILS.
3. FOR RADIO MOUNTING DETAILS:
   INT 4155 – SEE SHEET 53

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- ☐ WATER
- ☐ POWER
- ☐ LIGHTING



REFER TO SHEET 6 FOR INTERCONNECT SHEET INDEX

KEY PLAN
NOT TO SCALE

3676-E

HORIZONTAL SCALE IN FEET
0 20 40

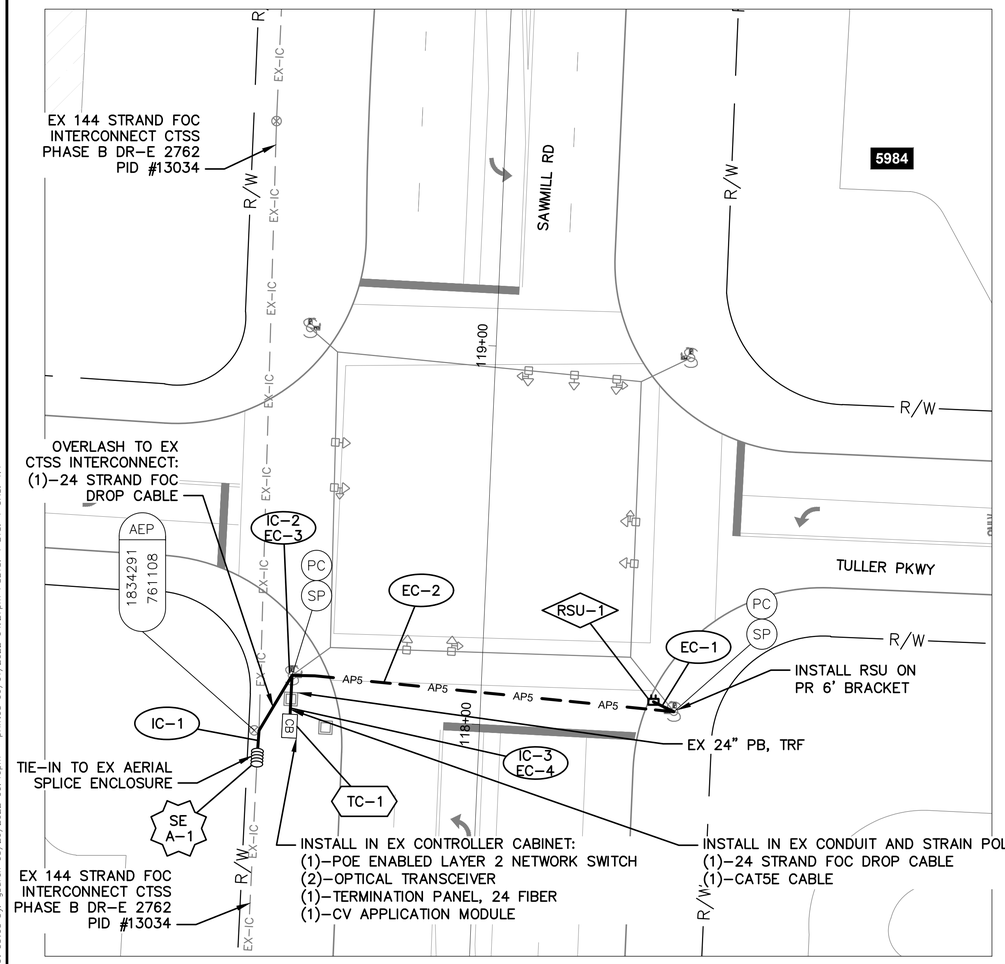
CIP: 540007-100060
PID NUMBER: 110521

INTERCONNECT PLAN
INT 4155 – CRANSTON DR AT SAWMILL RD

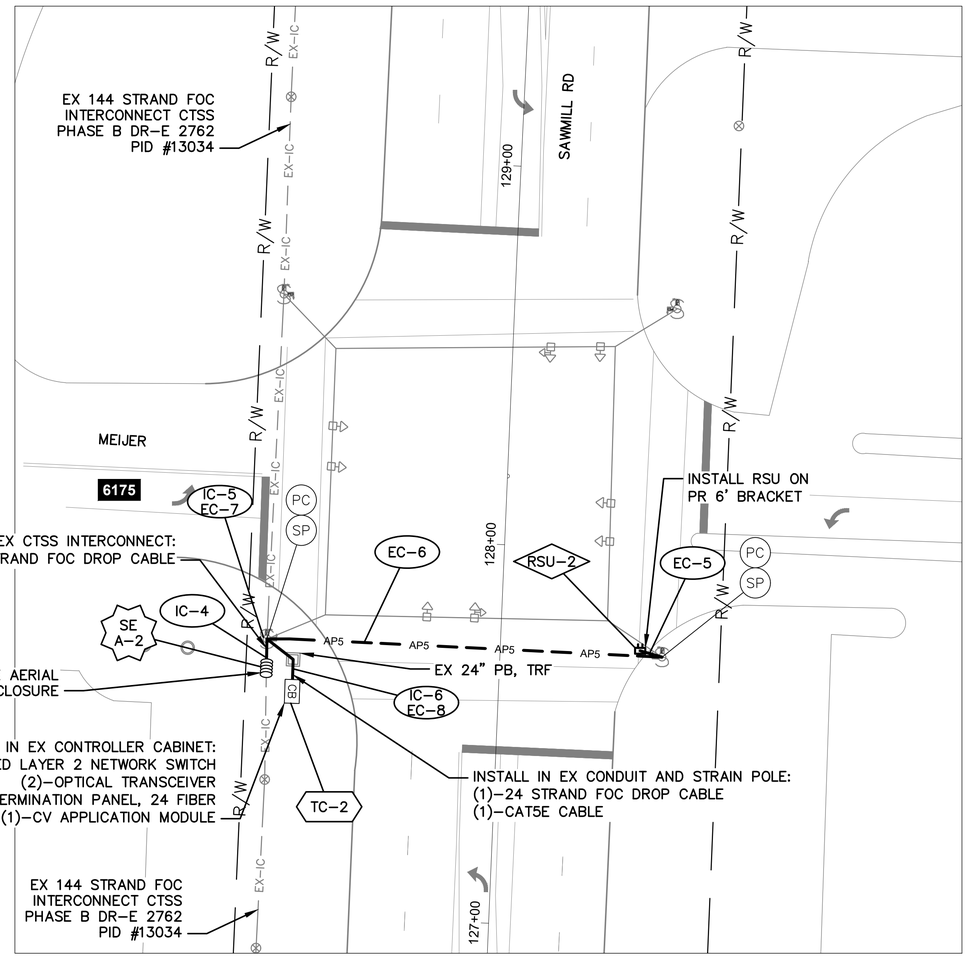
CITY OF COLUMBUS TRAFFIC SIGNAL SYSTEM
(CTSS) PHASE F – FINAL SUBMITTAL

64
768

J:\Jobs\70202 - CTSS Phase F\TECHPROD\Sheets\CTSS_PhF_Trunk1_SAWMILL_INTERCONNECT.dwg - SAWMILL-3 layout ~ last saved by: gburch 05/26/2022 09:46pm ~ printed 06/01/2022 04:25pm PSLTS: 1 LTS: 1 CAS: 1:1



DETAIL - INT 4197 - KRIER DR & TULLER PKWY AT SAWMILL RD



DETAIL - INT 4171 - MEIJER AT SAWMILL RD

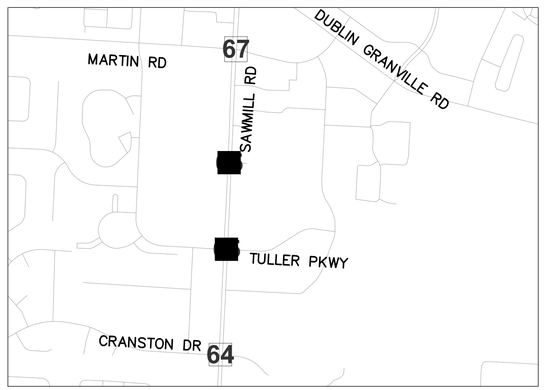
NOTES:

1. SEE SHEET 66 FOR QUANTITIES.
2. SEE SHEETS 451, 489 & 490 FOR COMMUNICATION DETAILS.
3. FOR RADIO MOUNTING DETAILS:
   INT 4197 – SEE SHEET 53
   INT 4171 – SEE SHEET 53

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- ☐ WATER
- ☐ POWER
- ☐ LIGHTING



REFER TO SHEET 6 FOR INTERCONNECT SHEET INDEX

KEY PLAN
NOT TO SCALE

3676-E

HORIZONTAL SCALE IN FEET
0 20 40

CIP: 540007-100060
PID NUMBER: 110521

INTERCONNECT PLAN – INT 4197 – TULLER PKWY AT SAWMILL RD
INT 4171 – MEIJER AT SAWMILL RD

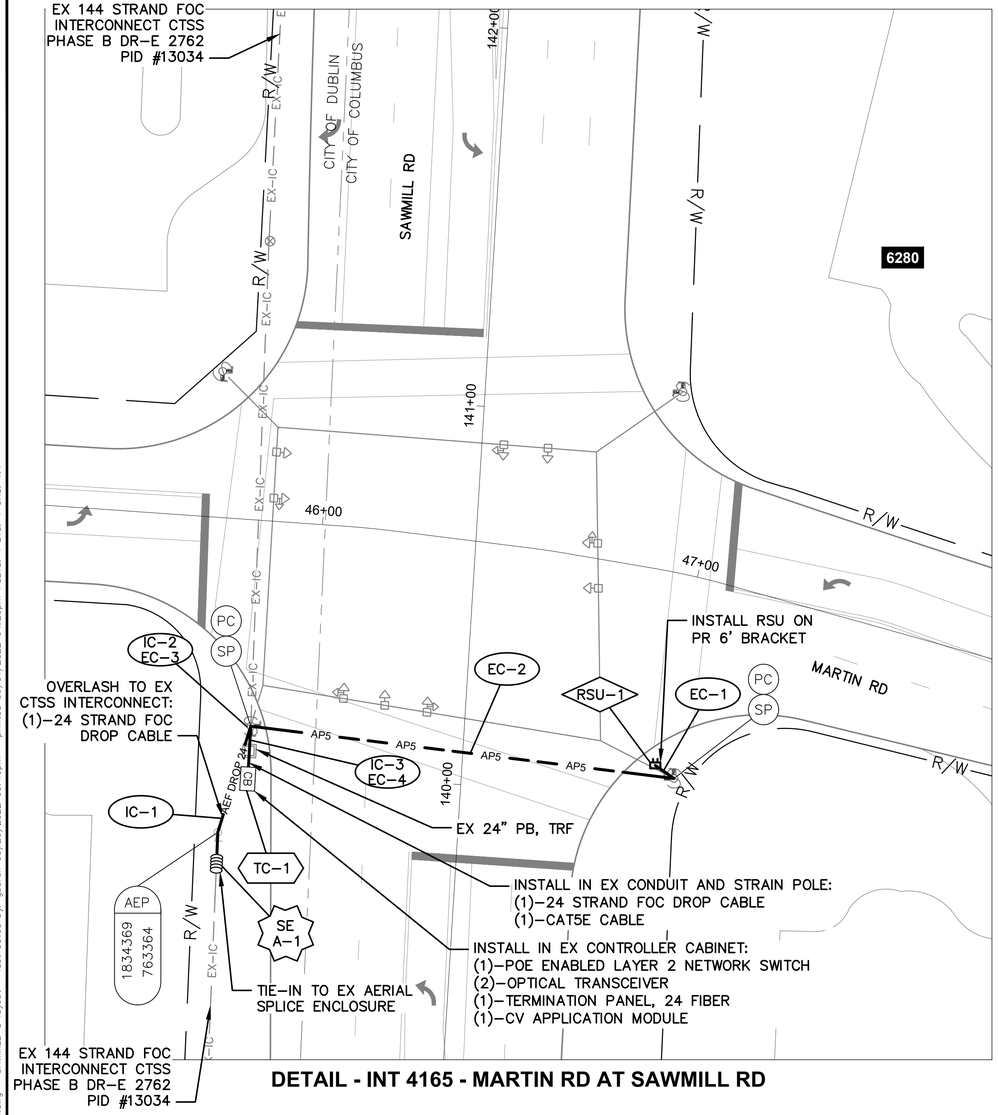
CITY OF COLUMBUS TRAFFIC SIGNAL SYSTEM
(CTSS) PHASE F – FINAL SUBMITTAL

65
768

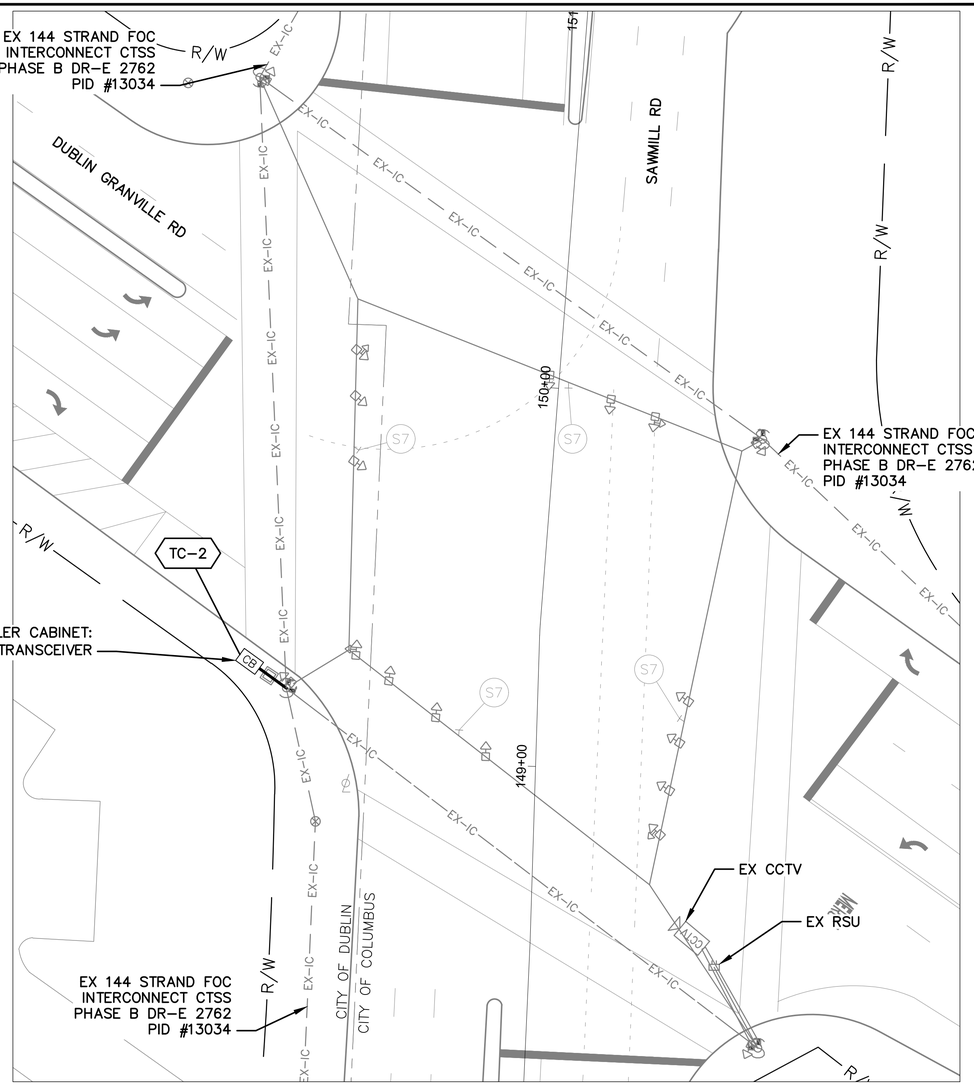
J:\Jobs\70202 – CTSS Phase F\TECHPROD\Sheets\CTSS_PhF_Trunk1_SAWMILL_INTERCONNECT.dwg – SAWMILL-4 layout – last saved by: gburch 05/26/2022 09:46pm – printed 06/01/2022 04:27pm PSLTS: 1 LTS: 1 CAS: 1:1

ESTIMATED QUANTITIES

SHEET NO.	REFERENCE NO.	LOCATION	STATION		202	625	632	632	632	632	632	632	632	633	633	633								
					EXISTING CONDUIT CLEANED, AS PER PLAN	BRACKET ARM, 6', AS PER PLAN	INTERCONNECT CABLE, MISC.: FIBER OPTIC DROP CABLE, 24 STRAND	INTERCONNECT CABLE, MISC.: FIBER OPTIC FUSION SPLICE	INTERCONNECT CABLE, MISC.: OVERLASH TO EXISTING INTERCONNECT	INTERCONNECT CABLE, MISC.: TERMINATION PANEL, 24 FIBER	INTERCONNECT, MISC.: CAT 5E CABLE, OUTDOOR RATED	MESSENGER WIRE, 7 STRAND, 1/4" DIAMETER WITH ACCESSORIES, AS PER PLAN	ROADSIDE UNIT RADIO, AS PER PLAN	CONTROLLER ITEM, MISC.: CV APPLICATION MODULE	CONTROLLER ITEM, MISC.: FIBER OPTIC ETHERNET TRANSCEIVER, SHORT RANGE	CONTROLLER ITEM, MISC.: POE ENABLED LAYER 2 ETHERNET SWITCH							
			FROM	TO	FT	EACH	FT	EACH	FT	EACH	FT	FT	EACH	EACH	EACH	EACH								
SAWMILL RD., INT 4155																								
64	SE A-1	SAWMILL RD	105+92, 56' LT				125	24																
64	IC-1	SAWMILL RD	105+92, 56' LT	106+51, 49' LT			60		60															
64	TC-1	SAWMILL RD	106+38, 49' LT				20			1	20			1	2	1								
64	EC-4	SAWMILL RD	106+38, 49' LT	106+51, 49' LT							13													
64	IC-3	SAWMILL RD	106+38, 49' LT	106+51, 49' LT	13		13																	
64	IC-2	SAWMILL RD	106+51, 49' LT				35																	
64	EC-3	SAWMILL RD	106+51, 49' LT								35													
64	EC-2	SAWMILL RD	106+51, 49' LT	107+45, 59' LT							96	96												
64	EC-1	SAWMILL RD	107+45, 59' LT	107+45, 53' LT		1					6													
64	RSU-1	SAWMILL RD	107+45, 53' LT										1											
SAWMILL RD., INTS 4197 & 4171																								
65	SE A-1	SAWMILL RD	117+88, 59' LT				125	24																
65	IC-1	SAWMILL RD	117+88, 59' LT	118+11, 50' LT			25		25															
65	TC-1	SAWMILL RD	117+97, 50' LT				20			1	20			1	2	1								
65	IC-3	SAWMILL RD	117+97, 50' LT	118+11, 50' LT	13		13																	
65	EC-4	SAWMILL RD	117+97, 50' LT	118+11, 50' LT							13													
65	EC-1	SAWMILL RD	118+06, 51' RT	118+08, 46' RT		1					6													
65	EC-2	SAWMILL RD	118+06, 51' RT	118+11, 50' LT							103	103												
65	RSU-1	SAWMILL RD	118+08, 46' RT										1											
65	IC-2	SAWMILL RD	118+11, 50' LT				218 35																	
65	EC-3	SAWMILL RD	118+11, 50' LT								35													
65	TC-2	SAWMILL RD	127+58, 54' LT				20			1	20			1	2	1								
65	EC-8	SAWMILL RD	127+58, 54' LT	127+72, 62' LT							17													
65	IC-6	SAWMILL RD	127+58, 54' LT	127+72, 62' LT	17		17																	
65	SE A-2	SAWMILL RD	127+64, 61' LT				125	24																
65	IC-4	SAWMILL RD	127+64, 61' LT	127+72, 62' LT			8		8															
65	IC-5	SAWMILL RD	127+72, 62' LT				35																	
65	EC-7	SAWMILL RD	127+72, 62' LT								35													
65	EC-6	SAWMILL RD	127+72, 62' LT	127+72, 43' RT							106	106												
65	EC-5	SAWMILL RD	127+72, 43' RT	127+74, 37' RT		1					6													
65	RSU-2	SAWMILL RD	127+74, 37' RT										1											



DETAIL - INT 4165 - MARTIN RD AT SAWMILL RD



DETAIL - INT 4126 - DUBLIN GRANVILLE RD AT SAWMILL RD

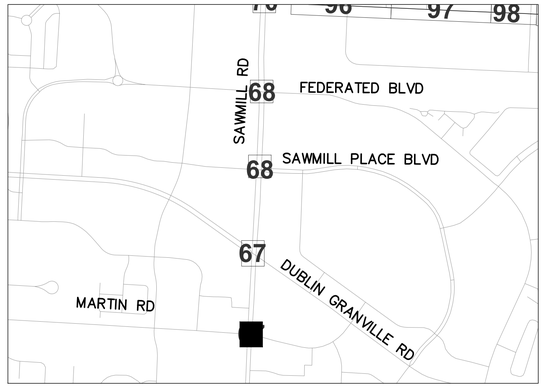
NOTES:

1. SEE SHEET 69 FOR QUANTITIES.
2. SEE SHEETS 452, 491 & 492 FOR COMMUNICATION DETAILS.
3. FOR RADIO MOUNTING DETAILS:
   INT 4165 – SEE SHEET 53

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- ☐ POWER
- ☐ LIGHTING



REFER TO SHEET 6 FOR INTERCONNECT SHEET INDEX

KEY PLAN
NOT TO SCALE

3676-E

HORIZONTAL SCALE IN FEET
0 20 40

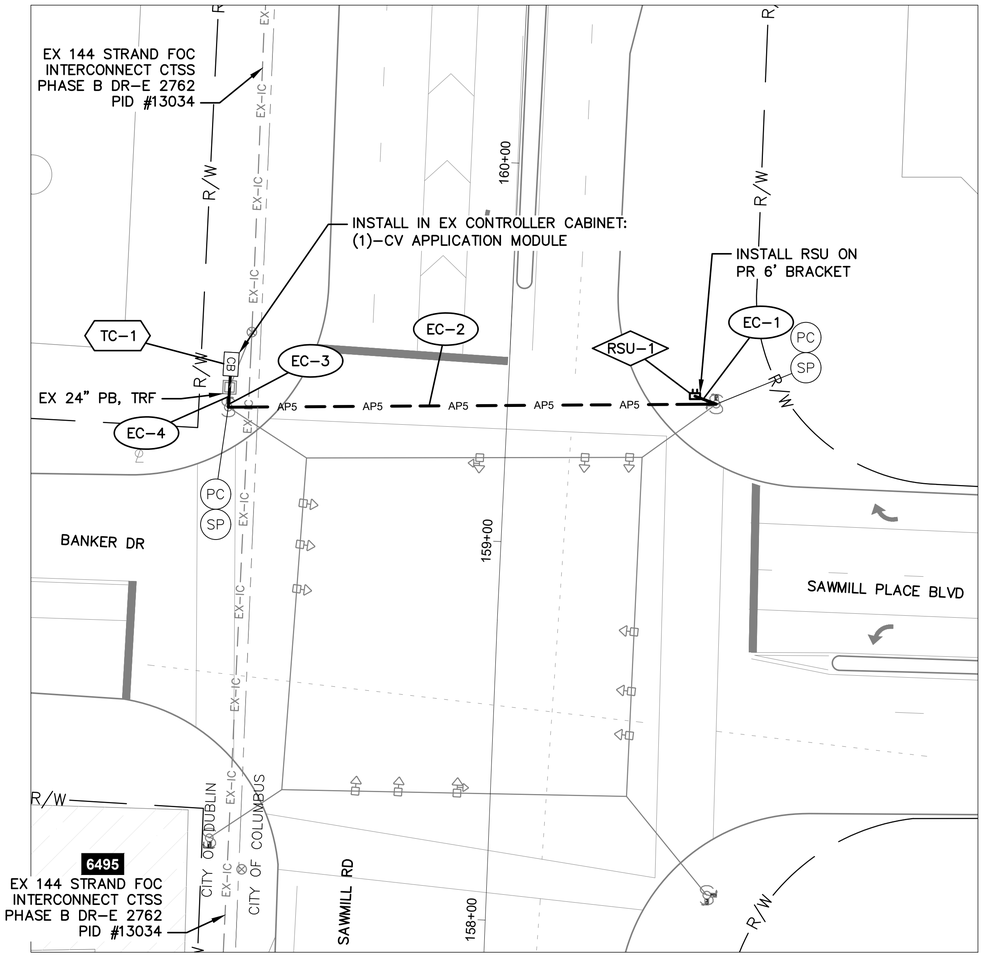
CIP: 540007-100060
PID NUMBER: 110521

INTERCONNECT PLAN – INT 4165 – MARTIN RD AT SAWMILL RD
INT 4126 – DUBLIN GRANVILLE RD AT SAWMILL RD

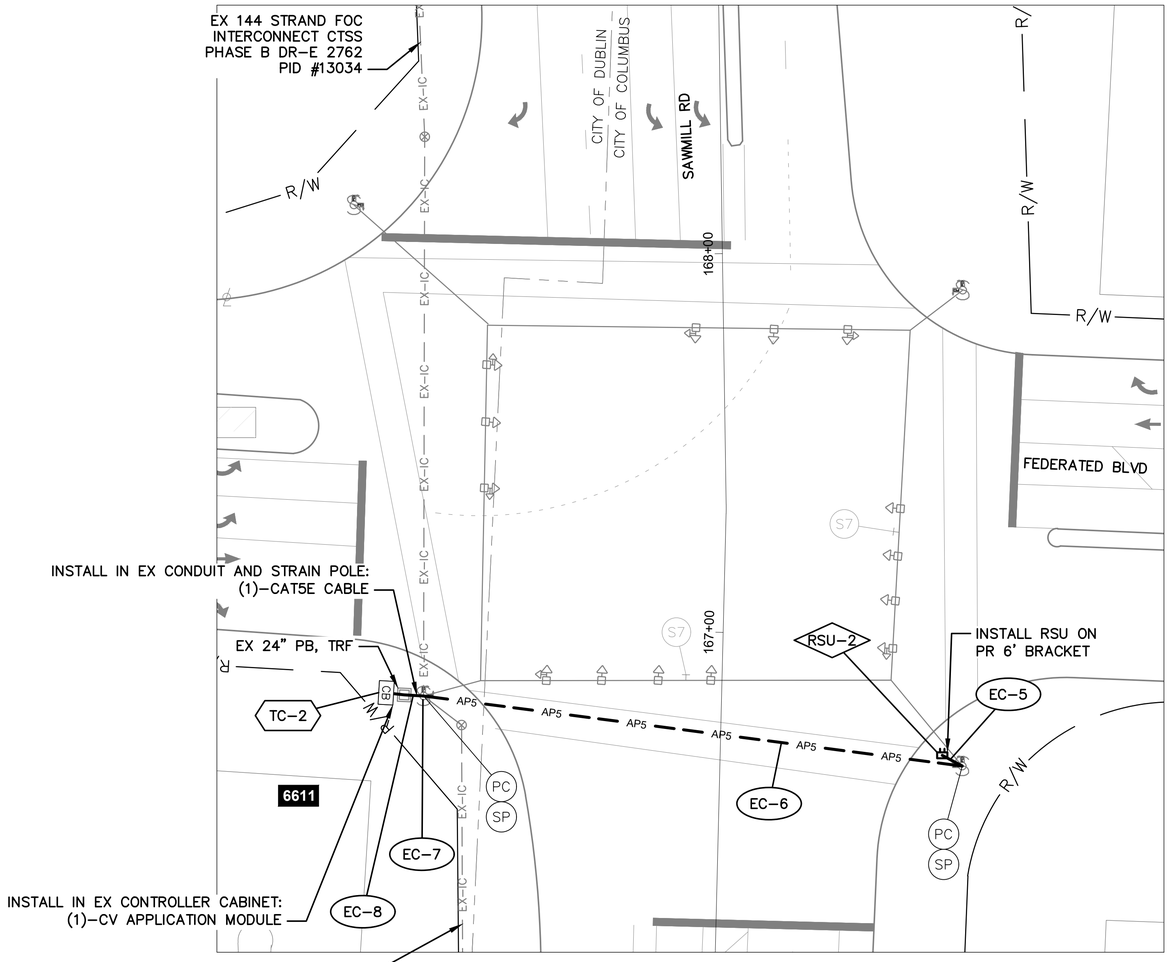
CITY OF COLUMBUS TRAFFIC SIGNAL SYSTEM
(CTSS) PHASE F – FINAL SUBMITTAL

67
768

J:\Jobs\70202 – CTSS Phase F\TECHPROD\Sheets\CTSS_PhF_Trunk1_SAWMILL_INTERCONNECT.dwg – SAWMILL-5 layout ~ last saved by: gburch 05/26/2022 09:46pm ~ printed 06/01/2022 04:29pm PSLTS: 1 LTS: 1 CAS: 1:1



DETAIL - INT 4169 - BANKER DR & SAWMILL PLACE BLVD AT SAWMILL RD



DETAIL - INT 4170 - FEDERATED BLVD AT SAWMILL RD

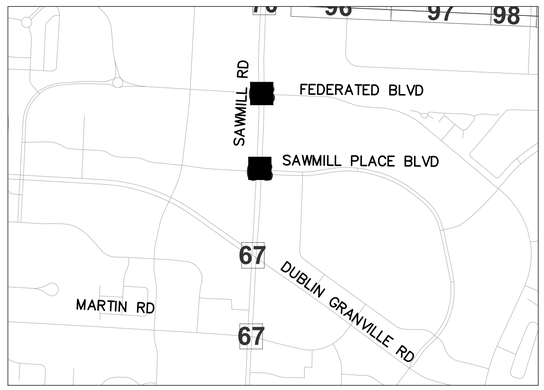
NOTES:

1. SEE SHEET 69 FOR QUANTITIES.
2. SEE SHEETS 452, 493 & 494 FOR COMMUNICATION DETAILS.
3. FOR RADIO MOUNTING DETAILS:
   INT 4169 – SEE SHEET 53
   INT 4170 – SEE SHEET 53

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- ☐ POWER
- ☐ LIGHTING



REFER TO SHEET 6 FOR INTERCONNECT SHEET INDEX

KEY PLAN
NOT TO SCALE

3676-E

HORIZONTAL SCALE IN FEET
0 20 40

CIP: 540007-100060
PID NUMBER: 110521

INTERCONNECT PLAN – INT 4169 – SAWMILL PLACE BLVD AT SAWMILL RD
INT 4170 – FEDERATED BLVD AT SAWMILL RD

CITY OF COLUMBUS TRAFFIC SIGNAL SYSTEM
(CTSS) PHASE F – FINAL SUBMITTAL

68
768

d:\Jobs\70202 – CTSS Phase F\TECHPROD\Sheets\CTSS_PhF_Trunk1_SAWMILL_INTERCONNECT.dwg – SAWMILL-6 layout ~ last saved by: gburch 05/26/2022 09:46pm ~ printed 06/01/2022 04:30pm PSLTS: 1 LTS: 1 CAS: 1:1

ESTIMATED QUANTITIES

SHEET NO.	REFERENCE NO.	LOCATION	STATION		202	625	632	632	632	632	632	632	632	633	633	633									
					EXISTING CONDUIT CLEANED, AS PER PLAN	BRACKET ARM, 6', AS PER PLAN	INTERCONNECT CABLE, MISC.: FIBER OPTIC DROP CABLE, 24 STRAND	INTERCONNECT CABLE, MISC.: FIBER OPTIC FUSION SPLICE	INTERCONNECT CABLE, MISC.: OVERLASH TO EXISTING INTERCONNECT	INTERCONNECT CABLE, MISC.: TERMINATION PANEL, 24 FIBER	INTERCONNECT, MISC.: CAT 5E CABLE, OUTDOOR RATED	MESSENGER WIRE, 7 STRAND, 1/4" DIAMETER WITH ACCESSORIES, AS PER PLAN	ROADSIDE UNIT RADIO, AS PER PLAN	CONTROLLER ITEM, MISC.: CV APPLICATION MODULE	CONTROLLER ITEM, MISC.: FIBER OPTIC ETHERNET TRANSCEIVER, SHORT RANGE	CONTROLLER ITEM, MISC.: POE ENABLED LAYER 2 ETHERNET SWITCH								
			FROM	TO	FT	EACH	FT	EACH	FT	EACH	FT	FT	EACH	EACH	EACH	EACH								
SAWMILL RD., INTS 4165 & 4126																								
67	SE A-1	SAWMILL RD	139+75, 63' LT				125	24																
67	IC-1	SAWMILL RD	139+75, 63' LT	140+12, 56' LT			38		38															
67	TC-1	SAWMILL RD	139+98, 56' LT				20			1	20			1	2	1								
67	IC-3	SAWMILL RD	139+98, 56' LT	140+12, 56' LT	14		14																	
67	EC-4	SAWMILL RD	139+98, 56' LT	140+12, 56' LT							14													
67	EC-1	SAWMILL RD	140+05, 56' RT	140+08, 51' RT		1					6													
67	EC-2	SAWMILL RD	140+05, 56' RT	140+12, 56' LT							115	115												
67	RSU-1	SAWMILL RD	140+08, 51' RT										1											
67	IC-2	SAWMILL RD	140+12, 56' LT				35																	
67	EC-3	SAWMILL RD	140+12, 56' LT								35													
67	TC-2	SAWMILL RD	149+26, 76' LT												1									
SAWMILL RD., INTS 4169 & 4170																								
68	EC-3	SAWMILL RD	159+32, 74' LT								35													
68	EC-4	SAWMILL RD	159+32, 74' LT	159+44, 73' LT	11						11													
68	EC-2	SAWMILL RD	159+39, 55' RT	159+32, 74' LT							131	131												
68	EC-1	SAWMILL RD	159+41, 49' RT	159+39, 55' RT		1					6													
68	RSU-1	SAWMILL RD	159+41, 49' RT										1											
68	TC-1	SAWMILL RD	159+44, 73' LT								20			1										
68	EC-6	SAWMILL RD	166+66, 64' RT	166+82, 79' LT							145	145												
68	EC-5	SAWMILL RD	166+66, 64' RT	166+69, 59' RT		1					6													
68	RSU-2	SAWMILL RD	166+69, 59' RT										1											
68	EC-8	SAWMILL RD	166+82, 79' LT	166+82, 89' LT	10						10													
68	EC-7	SAWMILL RD	166+82, 79' LT								35													
68	TC-2	SAWMILL RD	166+82, 89' LT								20			1										
SHEET TOTAL					35	3	232	24	38	1	609	391	3	3	3	1	-	-	-	-	-	-	-	-

AERIAL SAG: 1.5% AERIAL SAG IS INCLUDED IN THE QUANTITIES FOR ANY AERIAL FIBER OR CABLE ITEMS.

3676-E

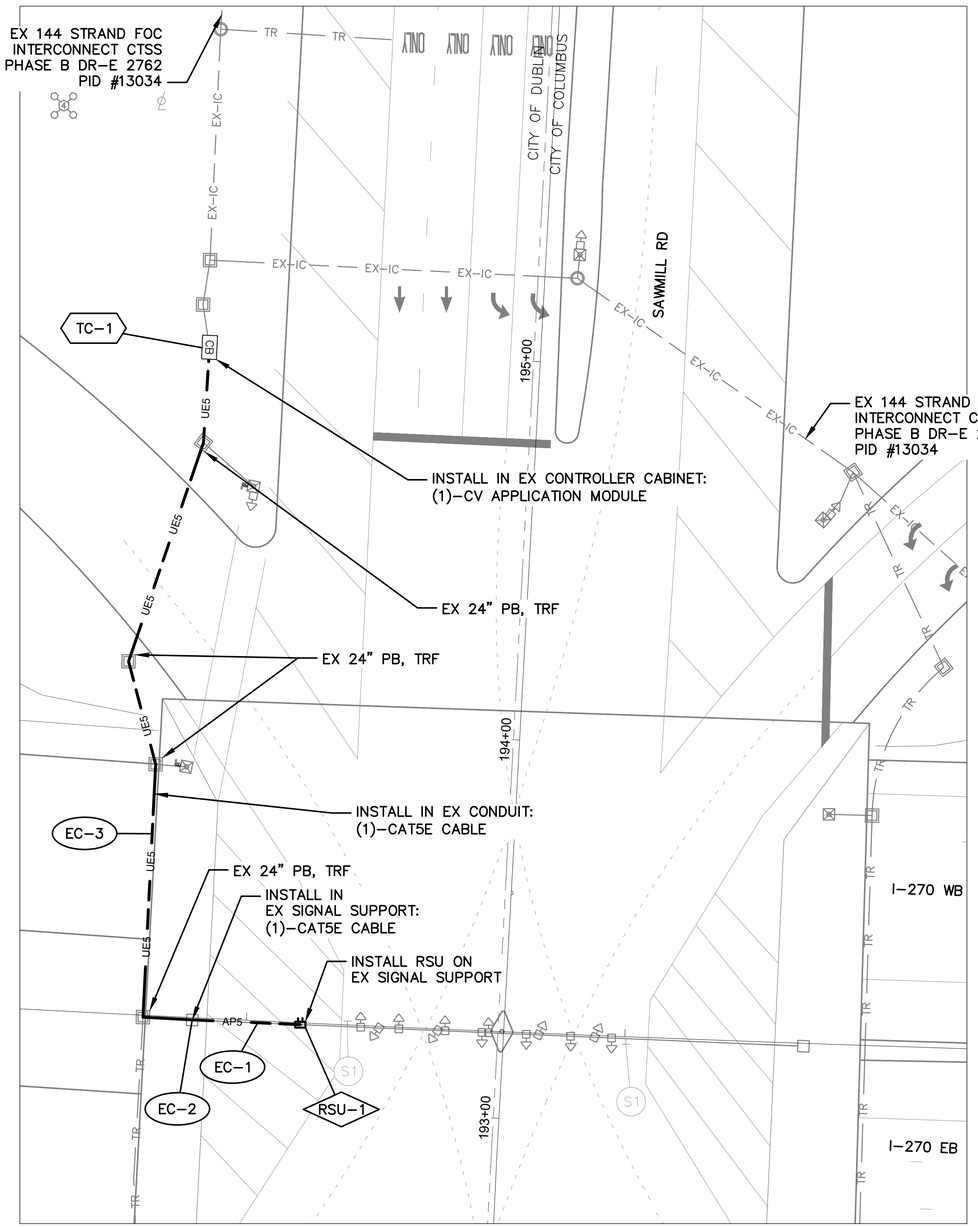
CIP: 540007-100060
PID NUMBER: 110521

CONNECTED VEHICLE ENVIRONMENT
SAWMILL RD

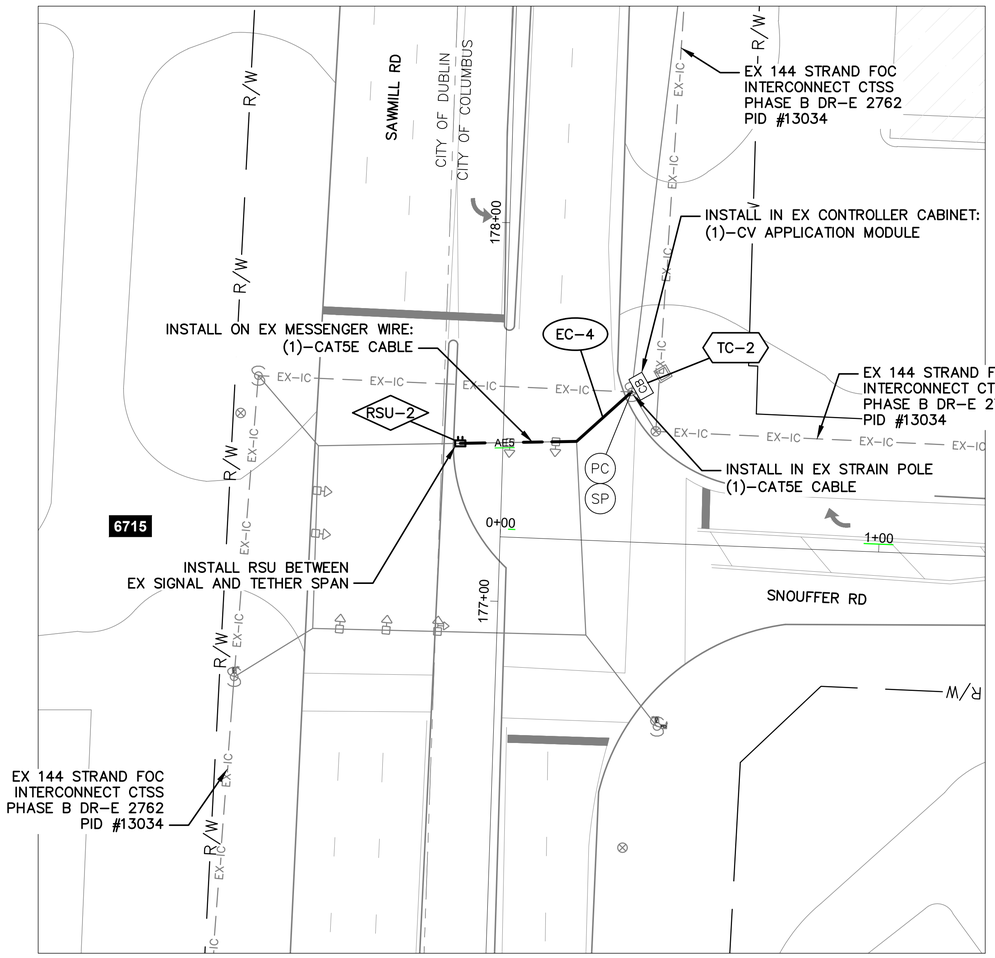
CITY OF COLUMBUS TRAFFIC SIGNAL SYSTEM
(CTSS) PHASE F – FINAL SUBMITTAL

69
768

J:\Jobs\70202 – CTSS Phase F\TECHPROD\Sheets\CTSS_PhF_Trunk1_SAWMILL_JC_QUANTITIES.dwg – SAWMILL RD-Q3 layout ~ last saved by: gburch 02/22/2022 09:40pm ~ printed 06/02/2022 09:48am PSLTS: 1 LTS: 1 CAS: 1:1



DETAIL - INT 4255 - I-270 AT SAWMILL RD



DETAIL - INT 4144 - SAWMILL RD AT SNOUFFER RD

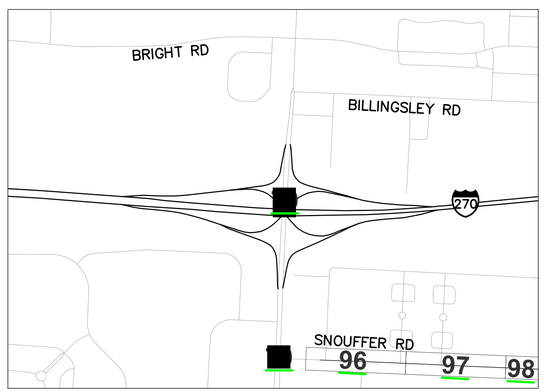
NOTES:

1. SEE SHEET 71 FOR QUANTITIES.
2. SEE SHEETS 452, 495, & 496 FOR COMMUNICATION DETAILS.
3. FOR RADIO MOUNTING DETAILS:
   INT 4255 – SEE SHEET 51
   INT 4144 – SEE SHEET 52

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- ☐ POWER
- ☐ LIGHTING



REFER TO SHEET 6 FOR INTERCONNECT SHEET INDEX

KEY PLAN
NOT TO SCALE

3676-E

HORIZONTAL SCALE IN FEET
0 20 40

CIP: 540007-100060
PID NUMBER: 110521

INTERCONNECT PLAN – INT 4144 – SAWMILL RD AT SNOUFFER RD
INT 4255 – I-270 AT SAWMILL RD

CITY OF COLUMBUS TRAFFIC SIGNAL SYSTEM
(CTSS) PHASE F – FINAL SUBMITTAL

70
768

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ESTIMATED QUANTITIES

SHEET NO.	REFERENCE NO.	LOCATION	STATION		202	625	632	632	632	633															
					EXISTING CONDUIT CLEANED, AS PER PLAN	BRACKET ARM, 6', AS PER PLAN	INTERCONNECT CABLE, MISC.: OVERLASH TO EXISTING INTERCONNECT	INTERCONNECT, MISC.: CAT 5E CABLE, OUTDOOR RATED	ROADSIDE UNIT RADIO, AS PER PLAN	CONTROLLER ITEM, MISC.: CV APPLICATION MODULE															
			FROM	TO	FT	EACH	FT	FT	EACH	EACH															
SAWMILL RD., INTS 4255 & 4144																									
70	EC-1	SAWMILL RD	193+21, 82' LT	193+22, 54' LT				29																	
70	EC-2	SAWMILL RD	193+21, 82' LT					35																	
70	EC-3	SAWMILL RD	193+21, 82' LT	194+99, 87' LT	194			194																	
70	RSU-1	SAWMILL RD	193+22, 54' LT						1																
70	TC-1	SAWMILL RD	194+99, 87' LT					20		1															
70	RSU-2	SAWMILL RD	177+41, 11' LT						1																
70	EC-4	SAWMILL RD	177+41, 11' LT	177+56, 34' RT			51	51																	
70	TC-2	SAWMILL RD	177+56, 34' RT			1		55		1															
SHEET TOTAL					194	1	51	384	2	2	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-

AERIAL SAG: 1.5% AERIAL SAG IS INCLUDED IN THE QUANTITIES FOR ANY AERIAL FIBER OR CABLE ITEMS.

3676-E

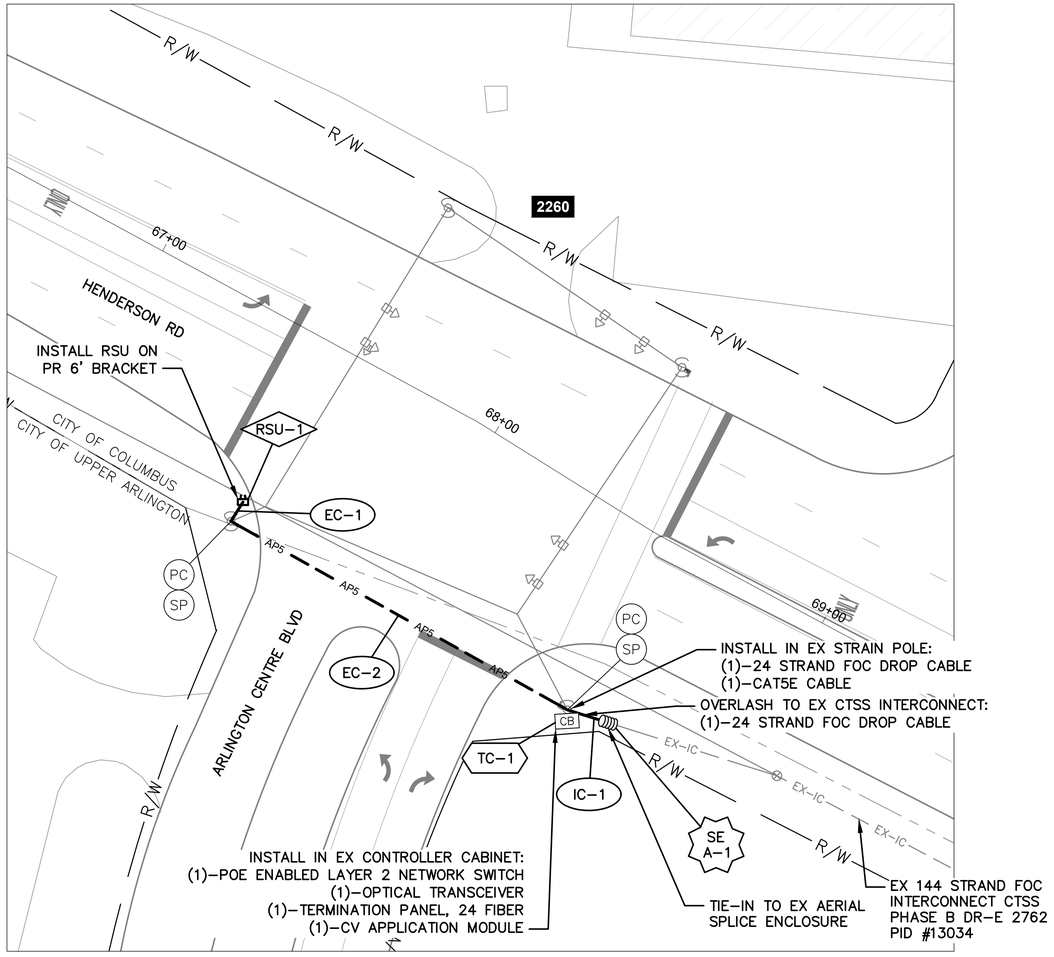
CIP: 540007–100060
PID NUMBER: 110521

CONNECTED VEHICLE ENVIRONMENT
SAWMILL RD

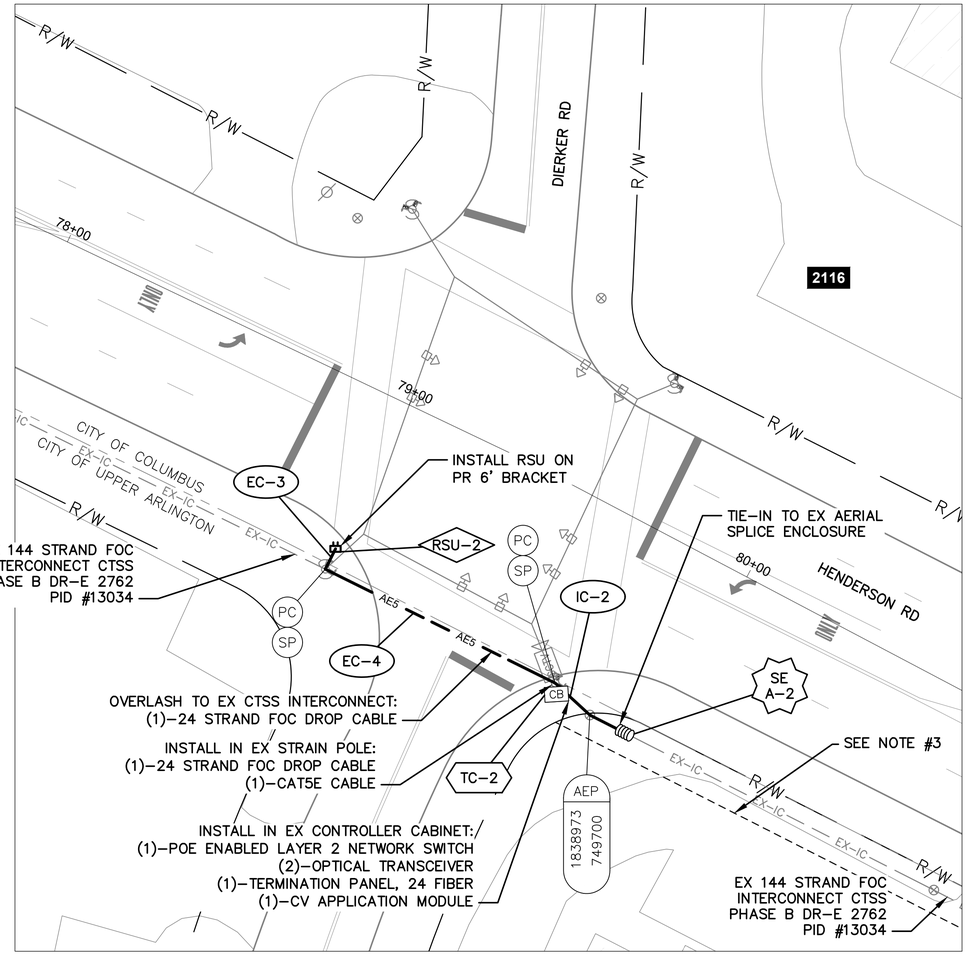
CITY OF COLUMBUS TRAFFIC SIGNAL SYSTEM
(CTSS) PHASE F – FINAL SUBMITTAL

71
768

J:\Jobs\70202 – CTSS Phase F\TECHPROD\Sheets\CTSS_PhF_Trunk1_SAWMILL_IC_QUANTITIES.dwg – SAWMILL RD–Q4 layout ~ last saved by: gburch 02/22/2022 09:40pm ~ printed 06/02/2022 09:49am PSLTS: 1 LTS: 1 CAS: 1:1



DETAIL - INT 4216 - ARLINGTON CENTRE BLVD AT HENDERSON RD



DETAIL - INT 4115 - DIERKER RD AT HENDERSON RD

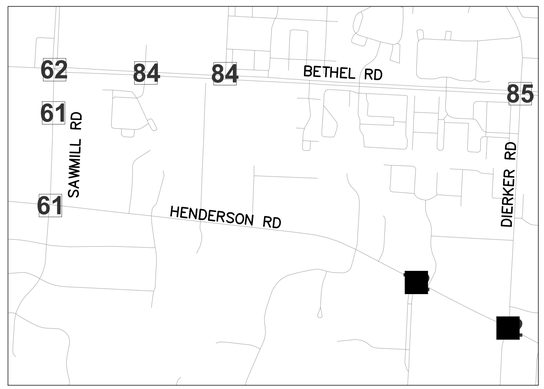
NOTES:

1. SEE SHEET 75 FOR QUANTITIES.
2. SEE SHEETS 454, 510 & 511 FOR COMMUNICATION DETAILS.
3. EASEMENT SHOWN PER AEP EASEMENT 30855.
4. FOR RADIO MOUNTING DETAILS:
   INT 4216 – SEE SHEET 53
   INT 4115 – SEE SHEET 53

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- ☐ WATER
- ☐ POWER
- ☐ LIGHTING



REFER TO SHEET 8 FOR INTERCONNECT SHEET INDEX

KEY PLAN
NOT TO SCALE

3676-E

HORIZONTAL SCALE IN FEET
0 20 40

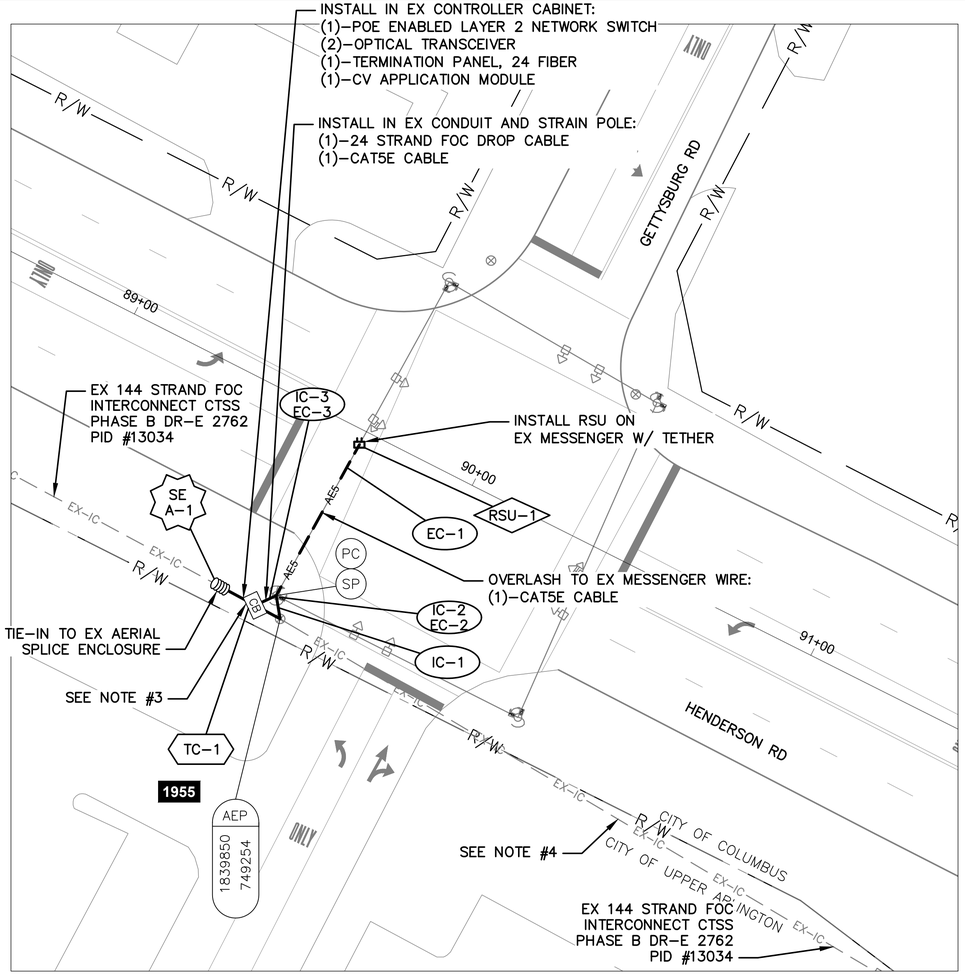
CIP: 540007-100060
PID NUMBER: 110521

INTERCONNECT PLAN – INT 4216 – ARLINGTON CENTRE BLVD
AT HENDERSON RD – INT 4115 – DIERKER RD AT HENDERSON RD

CITY OF COLUMBUS TRAFFIC SIGNAL SYSTEM
(CTSS) PHASE F – FINAL SUBMITTAL

72
768

\\colw00\PMWork\Jobs\70202 – CTSS Phase F\TECHPROD\Sheets\CTSS_PhF_Trunk1_HENDERSON_INTERCONNECT.dwg – HENDERSON–1 layout ~ last saved by: gburch 02/24/2022 11:26am ~ printed 06/01/2022 11:05pm PSLTS: 1 LTS: 1 CAS: 1:1



DETAIL - INT 4114 - GETTYSBURG RD & GREEN TREE CENTER DR AT HENDERSON RD

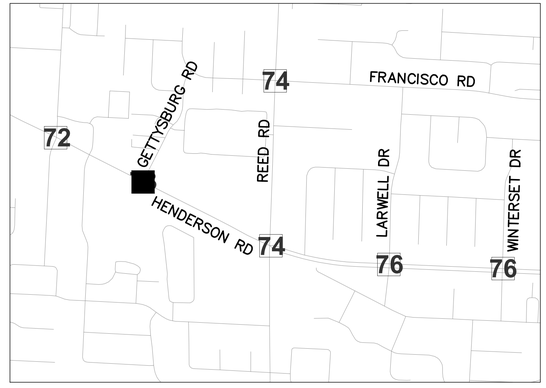
NOTES:

1. SEE SHEET 75 FOR QUANTITIES.
2. SEE SHEETS 454 & 512 FOR COMMUNICATION DETAILS.
3. SIGNAL MAINTENANCE AGREEMENT IN PLACE BETWEEN CITY OF COLUMBUS AND NEW PLAN FINANCING FOR MAINTENANCE OF TRAFFIC SIGNAL AT INT 4114.
4. EXISTING COLUMBUS RAILWAY, POWER, LIGHTING AND CO BLANKET UTILITY EASEMENT, INSTRUMENT #193006240240309.
5. FOR RADIO MOUNTING DETAILS:
   INT 4114 – SEE SHEET 52

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CITY OF COLUMBUS UTILITY LEGEND

- ☐ SEWER
- ☐ WATER
- ☐ POWER
- ☐ LIGHTING



REFER TO SHEET 8 FOR INTERCONNECT SHEET INDEX

KEY PLAN
NOT TO SCALE

3676-E

HORIZONTAL SCALE IN FEET
0 20 40

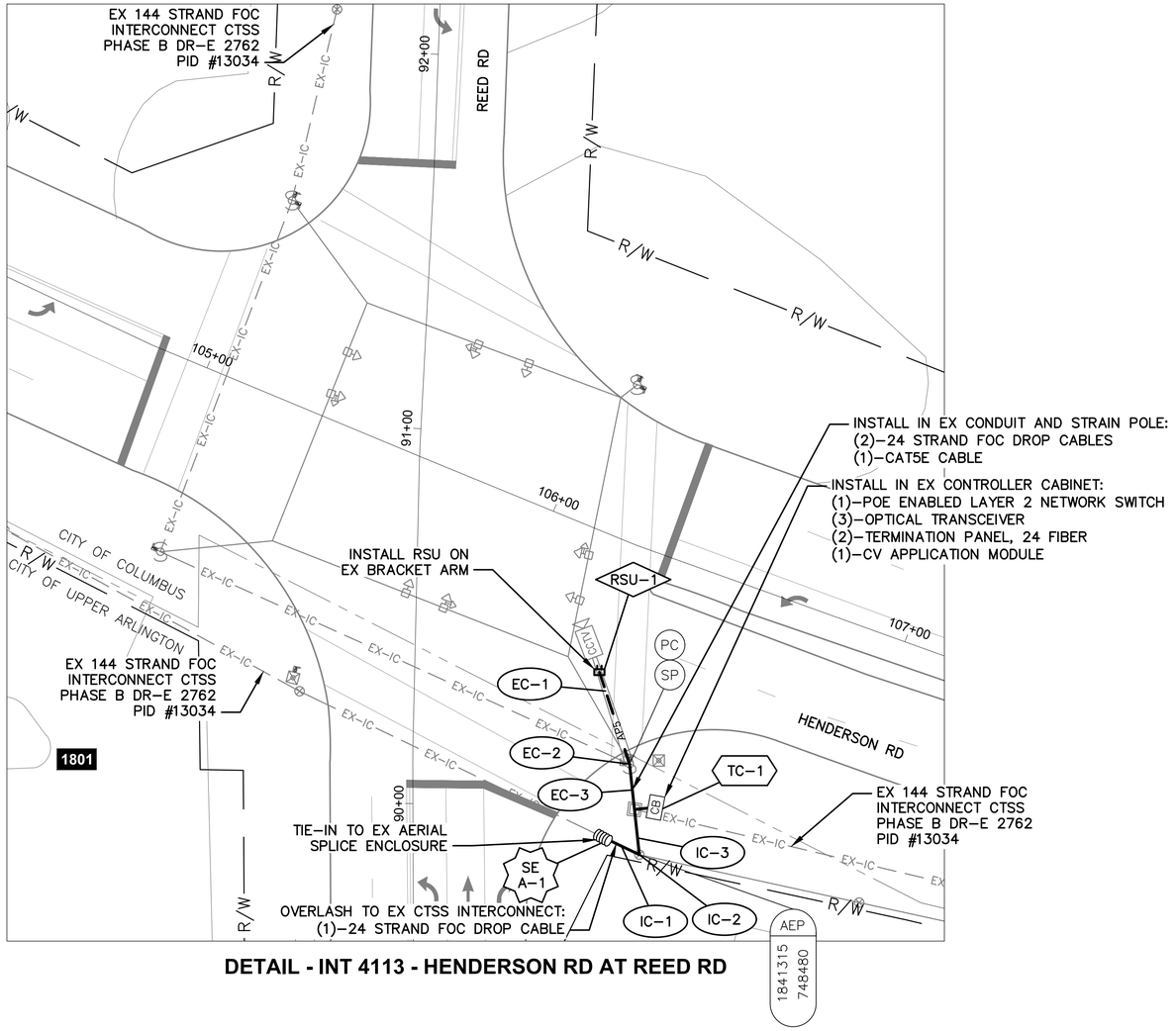
CIP: 540007–100060
PID NUMBER: 110521

INTERCONNECT PLAN
INT 4114 – GETTYSBURG RD & GREEN TREE CENTER AT HENDERSON RD

CITY OF COLUMBUS TRAFFIC SIGNAL SYSTEM
(CTSS) PHASE F – FINAL SUBMITTAL

73
768

\\colw00\PMWork\Jobs\70202 – CTSS Phase F\TECHPROD\Sheets\CTSS_PhF_Trunk1_HENDERSON_INTERCONNECT.dwg – HENDERSON–2 layout ~ last saved by: gburch 02/24/2022 11:26am ~ printed 06/01/2022 11:10pm PSLTS: 1 LTS: 1 CAS: 1:1



DETAIL - INT 4113 - HENDERSON RD AT REED RD

DETAIL - INT 4167 - FRANCISCO RD AT REED RD

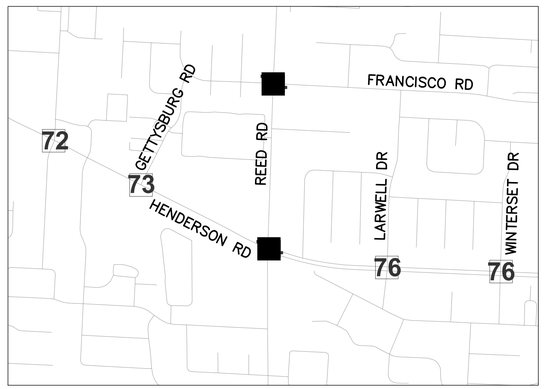
NOTES:

1. SEE SHEET 75 FOR QUANTITIES.
2. SEE SHEETS 454, 503, & 513 FOR COMMUNICATION DETAILS.
3. FOR RADIO MOUNTING DETAILS:
   INT 4113 – SEE SHEET 54
   INT 4167 – SEE SHEET 53

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CITY OF COLUMBUS UTILITY LEGEND

- ☐ SEWER
- ☐ WATER
- ☐ POWER
- ☐ LIGHTING



REFER TO SHEET 8 FOR INTERCONNECT SHEET INDEX

KEY PLAN
NOT TO SCALE

3676-E

HORIZONTAL SCALE IN FEET
0 20 40

CIP: 540007-100060
PID NUMBER: 110521

INTERCONNECT PLAN – INT 4113 – HENDERSON RD AT REED RD
INT 4167 – FRANCISCO RD AT REED RD

CITY OF COLUMBUS TRAFFIC SIGNAL SYSTEM
(CTSS) PHASE F – FINAL SUBMITTAL

74
768

\\colw00\PMWork\Jobs\70202 – CTSS Phase F\TECHPROD\Sheets\CTSS_PhF_Trunk1_HENDERSON_INTERCONNECT.dwg – HENDERSON-3 layout ~ last saved by: gburch 02/24/2022 11:26am ~ printed 06/01/2022 11:10pm PSLTS: 1 LTS: 1 CAS: 1:1

ESTIMATED QUANTITIES

SHEET NO.	REFERENCE NO.	LOCATION	STATION		202	625	632	632	632	632	632	632	632	633	633	633									
					EXISTING CONDUIT CLEANED, AS PER PLAN	BRACKET ARM, 6', AS PER PLAN	INTERCONNECT CABLE, MISC.: FIBER OPTIC DROP CABLE, 24 STRAND	INTERCONNECT CABLE, MISC.: FIBER OPTIC FUSION SPLICE	INTERCONNECT CABLE, MISC.: OVERLASH TO EXISTING INTERCONNECT	INTERCONNECT CABLE, MISC.: TERMINATION PANEL, 24 FIBER	INTERCONNECT, MISC.: CAT 5E CABLE, OUTDOOR RATED	MESSENGER WIRE, 7 STRAND, 1/4" DIAMETER WITH ACCESSORIES, AS PER PLAN	ROADSIDE UNIT RADIO, AS PER PLAN	CONTROLLER ITEM, MISC.: CV APPLICATION MODULE	CONTROLLER ITEM, MISC.: FIBER OPTIC ETHERNET TRANSCEIVER, SHORT RANGE	CONTROLLER ITEM, MISC.: POE ENABLED LAYER 2 ETHERNET SWITCH								
			FROM	TO	FT	EACH	FT	EACH	FT	EACH	FT	FT	EACH	EACH	EACH	EACH								
HENDERSON RD., INTS 4216 & 4115																									
72	EC-1	HENDERSON RD	67+50, 48' RT	67+50, 54' RT		1					6														
72	RSU-1	HENDERSON RD	67+50, 48' RT										1												
72	EC-2	HENDERSON RD	67+50, 54' RT	68+51, 52' RT							104	104													
72	TC-1	HENDERSON RD	68+51, 52' RT				55			1	55			1	1	1									
72	IC-1	HENDERSON RD	68+51, 52' RT	68+62, 50' RT			11		11																
72	SE A-1	HENDERSON RD	68+62, 50' RT				125	12																	
72	EC-3	HENDERSON RD	78+99, 49' RT	79+03, 45' RT		1					6														
72	EC-4	HENDERSON RD	78+99, 49' RT	79+68, 48' RT					67		67														
72	RSU-2	HENDERSON RD	79+03, 45' RT										1												
72	TC-2	HENDERSON RD	79+68, 48' RT				55			1	55			1	2	1									
72	IC-2	HENDERSON RD	79+68, 48' RT	79+91, 51' RT			23		23																
72	SE A-2	HENDERSON RD	79+91, 51' RT				125	24																	
HENDERSON RD., INT 4114																									
73	SE A-1	HENDERSON RD	89+53, 54' RT				125	24																	
73	IC-1	HENDERSON RD	89+53, 54' RT	89+67, 49' RT			24		24																
73	TC-1	HENDERSON RD	89+63, 54' RT				20			1	20			1	2	1									
73	IC-3	HENDERSON RD	89+63, 54' RT	89+67, 49' RT	6		6																		
73	EC-3	HENDERSON RD	89+63, 54' RT	89+67, 49' RT							6														
73	IC-2	HENDERSON RD	89+67, 49' RT				35																		
73	EC-2	HENDERSON RD	89+67, 49' RT								35														
73	EC-1	HENDERSON RD	89+67, 49' RT	89+69, 4' RT					45		45														
73	RSU-1	HENDERSON RD	89+69, 4' RT										1												
HENDERSON RD., INTS 4113 & 4167																									
74	RSU-1	HENDERSON RD	106+23, 32' RT										1												
74	EC-1	HENDERSON RD	106+23, 32' RT	106+41, 56' RT							30														
74	EC-2	HENDERSON RD	106+41, 56' RT								35														
74	EC-3	HENDERSON RD	106+41, 56' RT	106+52, 64' RT	18						18														
74	SE A-1	HENDERSON RD	106+41, 76' RT				250	36																	
74	IC-1	HENDERSON RD	106+41, 76' RT	106+53, 77' RT			22		11																
74	TC-1	HENDERSON RD	106+52, 64' RT				40			2	20			1	3	1									
74	IC-3	HENDERSON RD	106+52, 64' RT	106+53, 77' RT	18		36																		
74	IC-2	HENDERSON RD	106+53, 77' RT				70																		
74	EC-4	REED RD	108+68, 27' RT	109+44, 36' LT							139	139													
74	EC-5	REED RD	108+68, 27' RT	108+72, 22' RT		1					6														
74	RSU-2	REED RD	108+72, 22' RT										1												
74	TC-2	REED RD	109+44, 36' LT				55			1	55			1	2	1									
74	IC-4	REED RD	109+44, 36' LT	109+59, 30' LT			18		18																
74	SE A-2	REED RD	109+59, 30' LT				125	24																	
SHEET TOTAL					42	3	1,220	120	199	6	702	243	5	5	10	5	-	-	-	-	-	-	-	-	

AERIAL SAG: 1.5% AERIAL SAG IS INCLUDED IN THE QUANTITIES FOR ANY AERIAL FIBER OR CABLE ITEMS.

3676-E

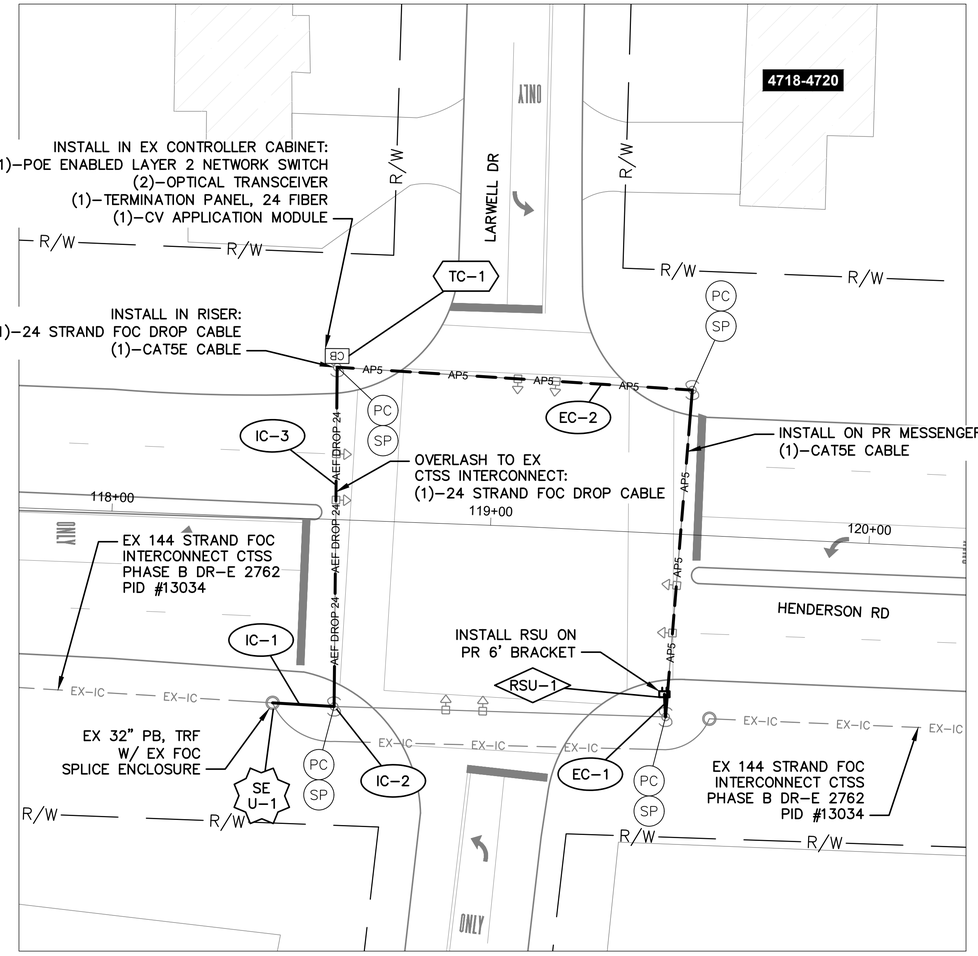
CIP: 540007-100060
PID NUMBER: 110521

CONNECTED VEHICLE ENVIRONMENT
HENDERSON RD

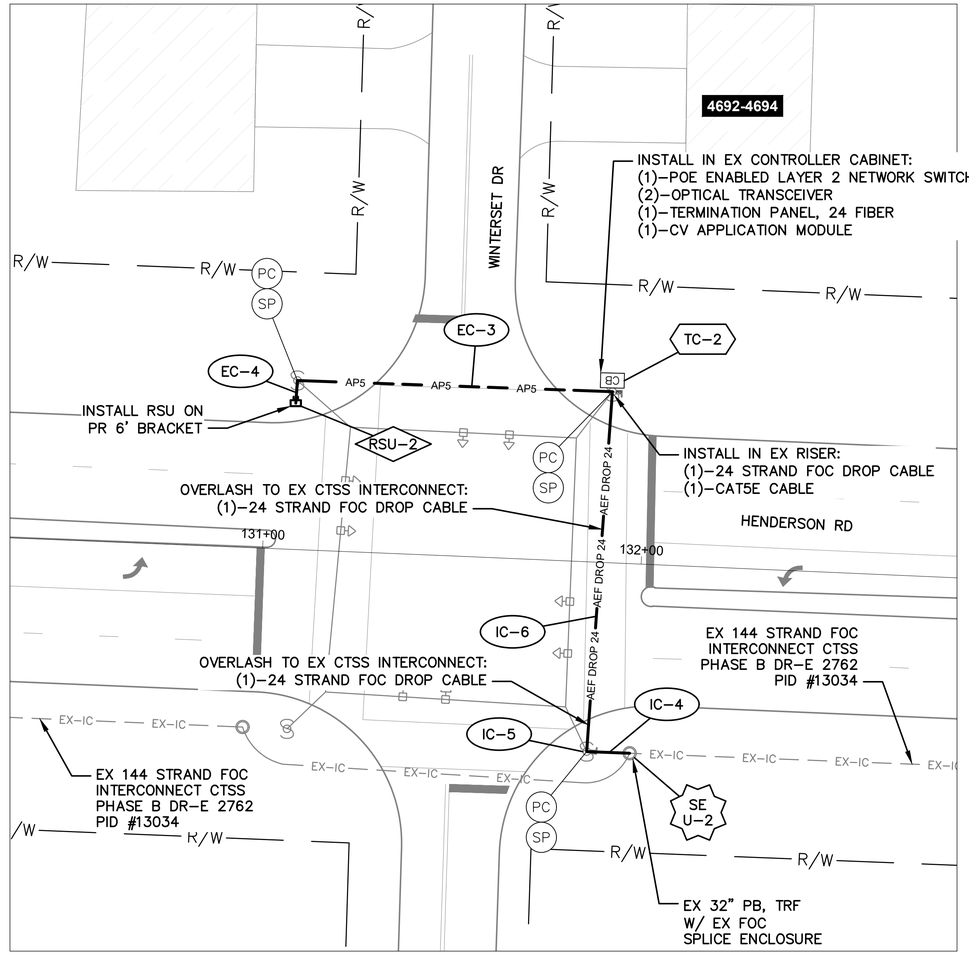
CITY OF COLUMBUS TRAFFIC SIGNAL SYSTEM
(CTSS) PHASE F – FINAL SUBMITTAL

75
768

J:\Jobs\70202 – CTSS Phase F\TECHPROD\Sheets\CTSS_PhF_Trunk1_HENDERSON_IC_QUANTITIES.dwg – HENDERSON RD-01 layout ~ last saved by: gburch 02/22/2022 09:40pm ~ printed 06/02/2022 09:50am PSLTS: 1 LTS: 1 CAS: 1:1



DETAIL - INT 4092 - HENDERSON RD AT LARWELL DR



DETAIL - INT 4112 - HENDERSON RD AT WINTERSET DR

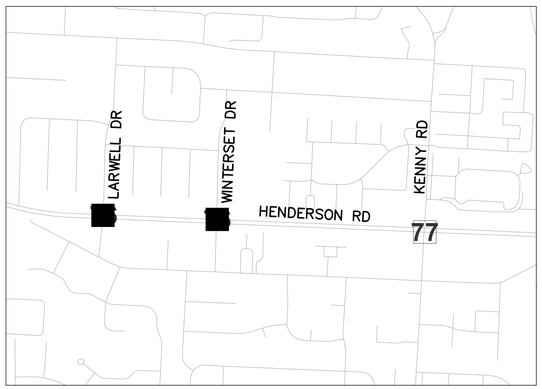
NOTES:

1. SEE SHEET 79 FOR QUANTITIES.
2. SEE SHEETS 454, 455, 515 & 516 FOR COMMUNICATION DETAILS.
3. FOR RADIO MOUNTING DETAILS:
   INT 4092 – SEE SHEET 53
   INT 4112 – SEE SHEET 53

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CITY OF COLUMBUS UTILITY LEGEND

- ☐ SEWER
- ☐ WATER
- ☐ POWER
- ☐ LIGHTING



REFER TO SHEET 8 FOR INTERCONNECT SHEET INDEX

KEY PLAN
NOT TO SCALE

3676-E

HORIZONTAL SCALE IN FEET
0 20 40

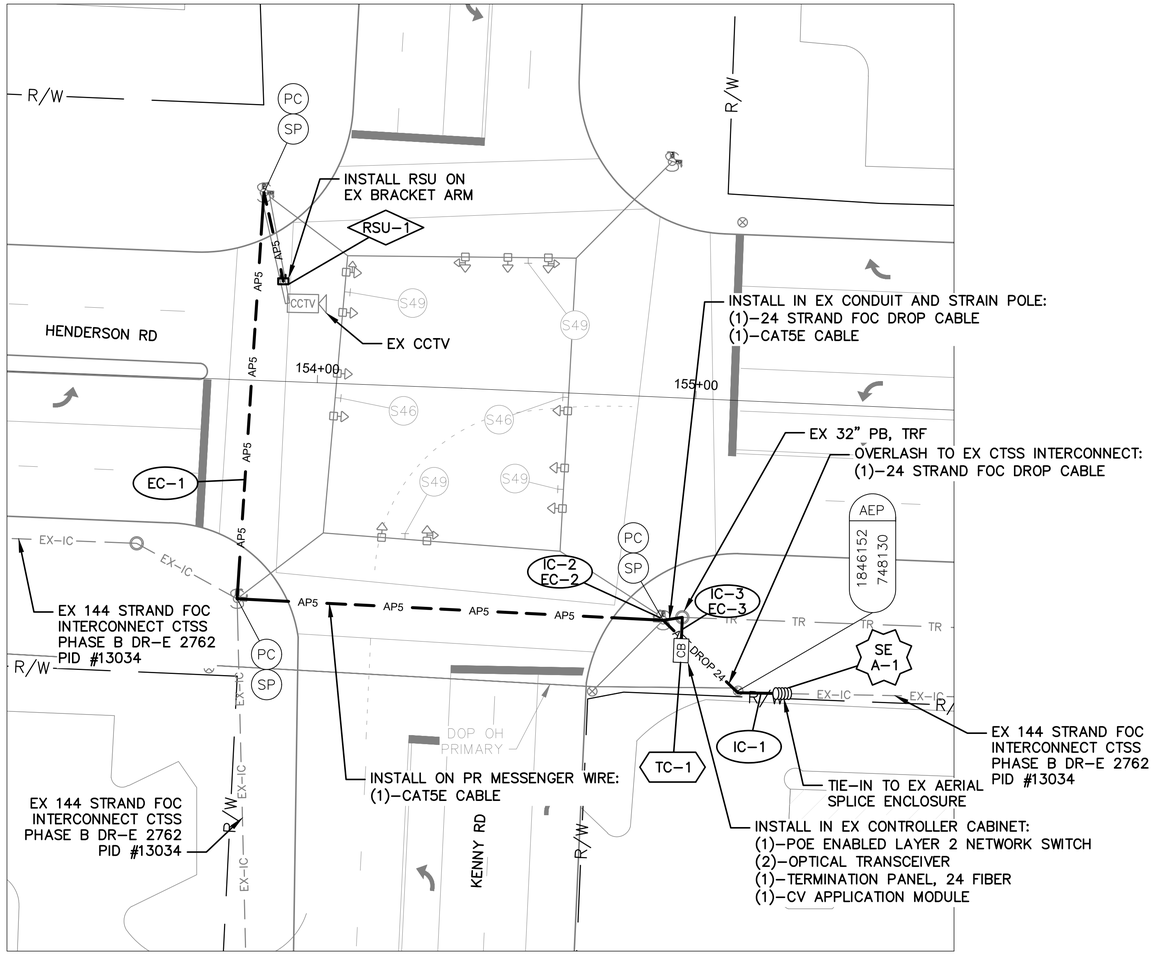
CIP: 540007–100060
PID NUMBER: 110521

INTERCONNECT PLAN – INT 4092 – HENDERSON RD AT LARWELL DR
INT 4112 – HENDERSON RD AT WINTERSET DR

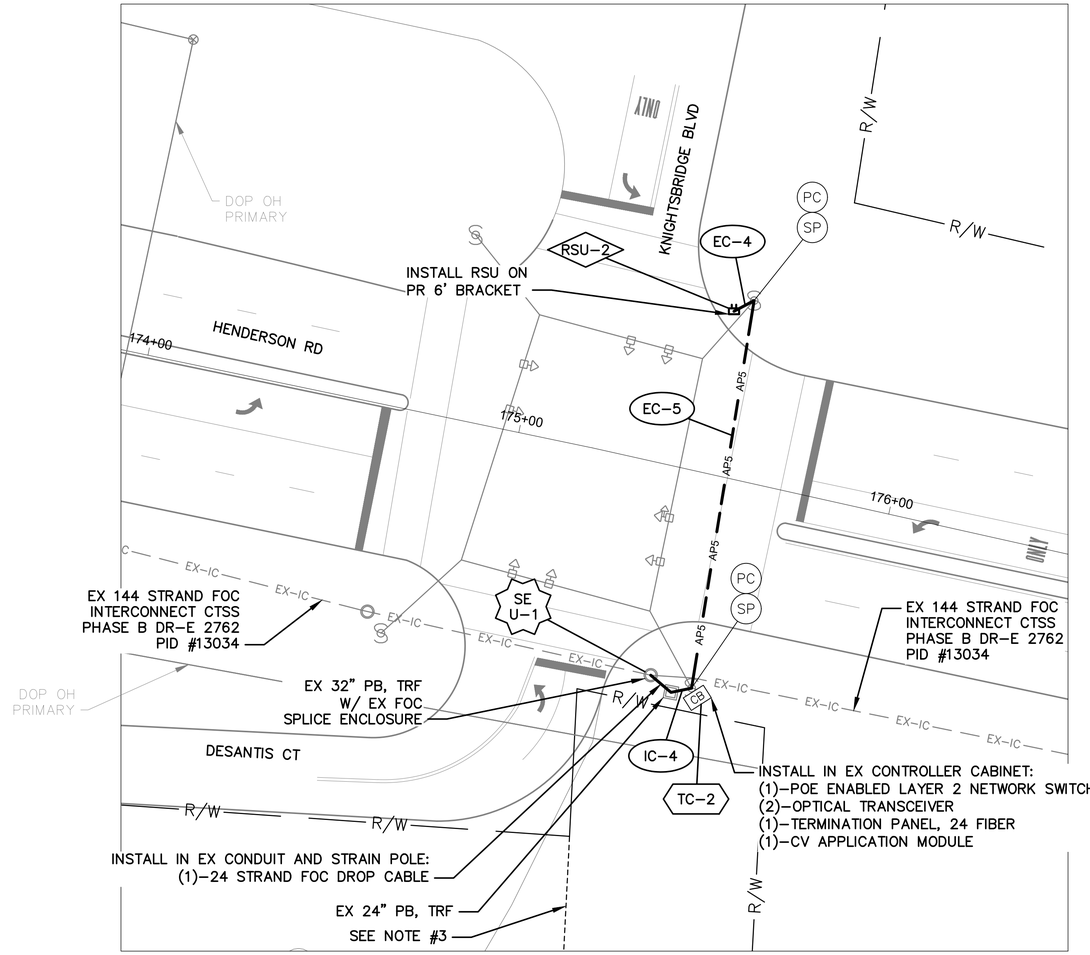
CITY OF COLUMBUS TRAFFIC SIGNAL SYSTEM
(CTSS) PHASE F – FINAL SUBMITTAL

76
768

\\colaw01\PWWork\Jobs\70202 – CTSS Phase F\TECHPROD\Sheets\CTSS_PhF_Trunk1_HENDERSON_INTERCONNECT.dwg – HENDERSON–4 layout ~ last saved by: gburch 02/24/2022 11:26am ~ printed 06/01/2022 11:11pm PSLTS: 1 LTS: 1 CAS: 1:1



DETAIL - INT 4111 - HENDERSON RD AT KENNY RD



DETAIL - INT 4031 - HENDERSON RD AT KNIGHTSBRIDGE BLVD & DESANTIS DR

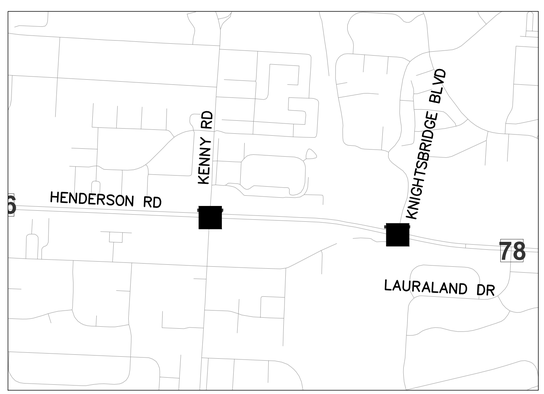
NOTES:

1. SEE SHEET 79 FOR QUANTITIES.
2. SEE SHEETS 455, 517 & 518 FOR COMMUNICATION DETAILS.
3. EXISTING CITY OF COLUMBUS EASEMENT, INSTRUMENT NUMBER #199812230331293.
4. FOR RADIO MOUNTING DETAILS:
   INT 4111 – SEE SHEET 54
   INT 4031 – SEE SHEET 53

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CITY OF COLUMBUS UTILITY LEGEND

- ☐ SEWER
- ☐ WATER
- ☒ POWER
- ☐ LIGHTING



REFER TO SHEET 8 FOR INTERCONNECT SHEET INDEX

KEY PLAN
NOT TO SCALE

3676-E

HORIZONTAL SCALE IN FEET
0 20 40

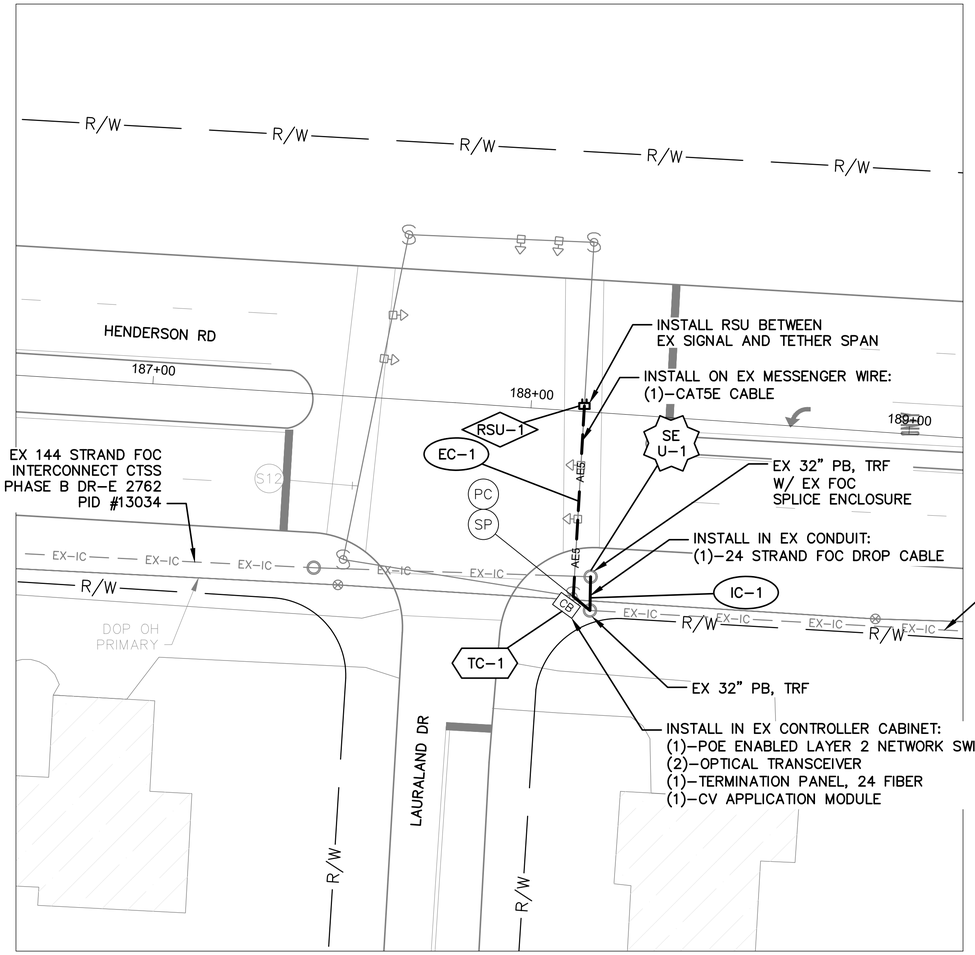
CIP: 540007-100060
PID NUMBER: 110521

INTERCONNECT PLAN – INT 4111 – HENDERSON RD AT KENNY RD
INT 4031 – HENDERSON RD AT KNIGHTSBRIDGE BLVD & DESANTIS DR

CITY OF COLUMBUS TRAFFIC SIGNAL SYSTEM
(CTSS) PHASE F – FINAL SUBMITTAL

77
768

\\colw00\PWWork\Jobs\70202 – CTSS Phase F\TECHPROD\Sheets\CTSS_PhF_Trunk1_HENDERSON_INTERCONNECT.dwg – HENDERSON-5 layout ~ last saved by: gburch 02/24/2022 11:26am ~ printed 06/01/2022 11:12pm PSLTS: 1 LTS: 1 CAS: 1:1



DETAIL - INT 4030 - HENDERSON RD AT LAURALAND DR

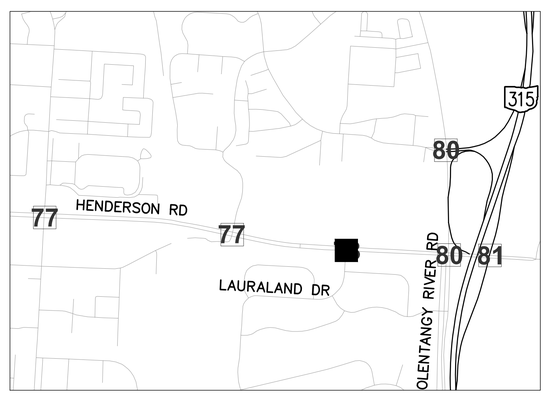
NOTES:

1. SEE SHEET 79 FOR QUANTITIES.
2. SEE SHEETS 455 & 519 FOR COMMUNICATION DETAILS.
3. FOR RADIO MOUNTING DETAILS:
   INT 4030 – SEE SHEET 52

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CITY OF COLUMBUS UTILITY LEGEND

- ☐ SEWER
- ☐ WATER
- ☒ POWER
- ☐ LIGHTING



REFER TO SHEET 8 FOR INTERCONNECT SHEET INDEX

KEY PLAN
NOT TO SCALE

3676-E

HORIZONTAL SCALE IN FEET
0 20 40

CIP: 540007–100060
PID NUMBER: 110521

INTERCONNECT PLAN
INT 4030 – HENDERSON RD AT LAURALAND DR

CITY OF COLUMBUS TRAFFIC SIGNAL SYSTEM
(CTSS) PHASE F – FINAL SUBMITTAL

78
768

\\colw00\PWWork\Jobs\70202 – CTSS Phase F\TECHPROD\Sheets\CTSS_PhF_Trunk1_HENDERSON_INTERCONNECT.dwg – HENDERSON–6 layout ~ last saved by: gburch 02/24/2022 11:26am ~ printed 06/01/2022 11:13pm PSLTS: 1 LTS: 1 CAS: 1:1

ESTIMATED QUANTITIES

SHEET NO.	REFERENCE NO.	LOCATION	STATION		202	625	632	632	632	632	632	632	632	633	633	633									
					EXISTING CONDUIT CLEANED, AS PER PLAN	BRACKET ARM, 6', AS PER PLAN	INTERCONNECT CABLE, MISC.: FIBER OPTIC DROP CABLE, 24 STRAND	INTERCONNECT CABLE, MISC.: FIBER OPTIC FUSION SPLICE	INTERCONNECT CABLE, MISC.: OVERLASH TO EXISTING INTERCONNECT	INTERCONNECT CABLE, MISC.: TERMINATION PANEL, 24 FIBER	INTERCONNECT, MISC.: CAT 5E CABLE, OUTDOOR RATED	MESSENGER WIRE, 7 STRAND, 1/4" DIAMETER WITH ACCESSORIES, AS PER PLAN	ROADSIDE UNIT RADIO, AS PER PLAN	CONTROLLER ITEM, MISC.: CV APPLICATION MODULE	CONTROLLER ITEM, MISC.: FIBER OPTIC ETHERNET TRANSCEIVER, SHORT RANGE	CONTROLLER ITEM, MISC.: POE ENABLED LAYER 2 ETHERNET SWITCH								
			FROM	TO	FT	EACH	FT	EACH	FT	EACH	FT	FT	EACH	EACH	EACH	EACH								
HENDERSON RD., INTS 4092 & 4112																									
76	SE U-1	HENDERSON RD	118+44, 49' RT				125	24																	
76	IC-1	HENDERSON RD	118+44, 49' RT	118+60, 49' RT	16		16																		
76	TC-1	HENDERSON RD	118+57, 40' LT				55			1	55			1	2	1									
76	EC-2	HENDERSON RD	118+57, 40' LT	119+45, 44' RT							184	184													
76	IC-3	HENDERSON RD	118+57, 40' LT	118+60, 49' RT			90		90																
76	IC-2	HENDERSON RD	118+60, 49' RT				35																		
76	EC-1	HENDERSON RD	119+45, 44' RT	119+48, 48' RT		1					6														
76	RSU-1	HENDERSON RD	119+45, 44' RT										1												
76	EC-3	HENDERSON RD	131+07, 45' LT	131+90, 45' LT							84	84													
76	EC-4	HENDERSON RD	131+07, 45' LT	131+11, 40' LT		1					6														
76	RSU-2	HENDERSON RD	131+11, 40' LT										1												
76	IC-6	HENDERSON RD	131+87, 50' RT	131+90, 45' LT			95		95																
76	IC-4	HENDERSON RD	131+87, 50' RT	131+99, 50' RT	11		11																		
76	IC-5	HENDERSON RD	131+87, 50' RT				35																		
76	TC-2	HENDERSON RD	131+90, 45' LT				55			1	55			1	2	1									
76	SE U-2	HENDERSON RD	131+99, 50' RT				125	24																	
HENDERSON RD., INTS 4111 & 4031																									
77	RSU-1	HENDERSON RD	153+90, 23' LT										1												
77	EC-1	HENDERSON RD	153+90, 23' LT	154+94, 59' RT							251	227													
77	EC-2	HENDERSON RD	154+94, 59' RT								35														
77	IC-2	HENDERSON RD	154+94, 59' RT				35																		
77	EC-3	HENDERSON RD	154+94, 59' RT	154+99, 67' RT							14														
77	IC-3	HENDERSON RD	154+94, 59' RT	154+99, 67' RT	14		14																		
77	IC-1	HENDERSON RD	154+94, 59' RT	155+26, 77' RT			39		39																
77	TC-1	HENDERSON RD	154+99, 67' RT				20			1	20			1	2	1									
77	SE A-1	HENDERSON RD	155+26, 77' RT				125	24																	
77	SE U-1	HENDERSON RD	175+47, 55' RT				125	24																	
77	IC-4	HENDERSON RD	175+47, 55' RT	175+59, 56' RT	13		13																		
77	RSU-2	HENDERSON RD	175+48, 43' LT										1												
77	EC-4	HENDERSON RD	175+48, 43' LT	175+53, 47' LT		1					6														
77	EC-5	HENDERSON RD	175+53, 47' LT	175+59, 56' RT							105	105													
77	TC-2	HENDERSON RD	175+59, 56' RT				20			1	55			1	2	1									
HENDERSON RD., INT 4030																									
78	RSU-1	HENDERSON RD	188+14, 2' LT										1												
78	EC-1	HENDERSON RD	188+14, 45' LT	188+14, 49' RT					55		55														
78	TC-1	HENDERSON RD	188+14, 49' RT				20			1	55			1	2	1									
78	IC-1	HENDERSON RD	188+14, 49' RT	188+18, 43' RT	15		15																		
78	SE U-1	HENDERSON RD	188+18, 43' RT				125	24																	
SHEET TOTAL					69	3	1,193	120	279	5	986	600	5	5	10	5	-	-	-	-	-	-	-	-	

AERIAL SAG: 1.5% AERIAL SAG IS INCLUDED IN THE QUANTITIES FOR ANY AERIAL FIBER OR CABLE ITEMS.

3676-E

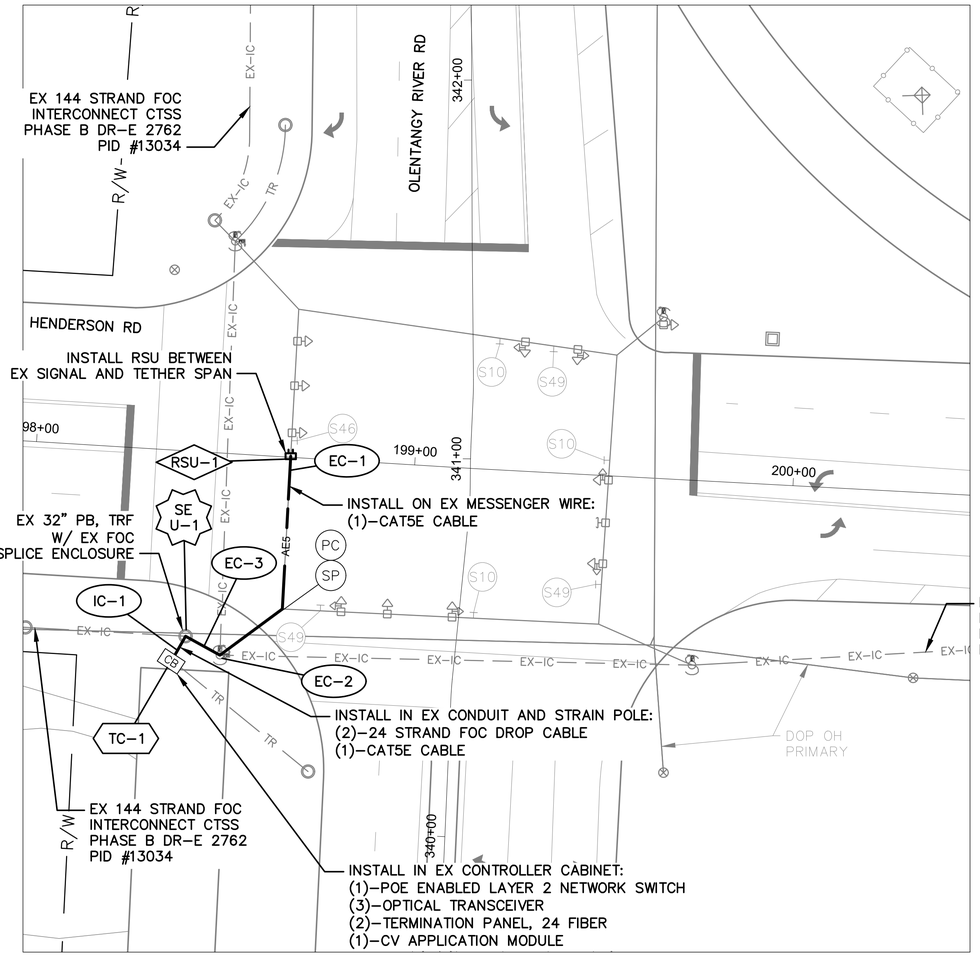
CIP: 540007-100060
PID NUMBER: 110521

CONNECTED VEHICLE ENVIRONMENT
HENDERSON RD

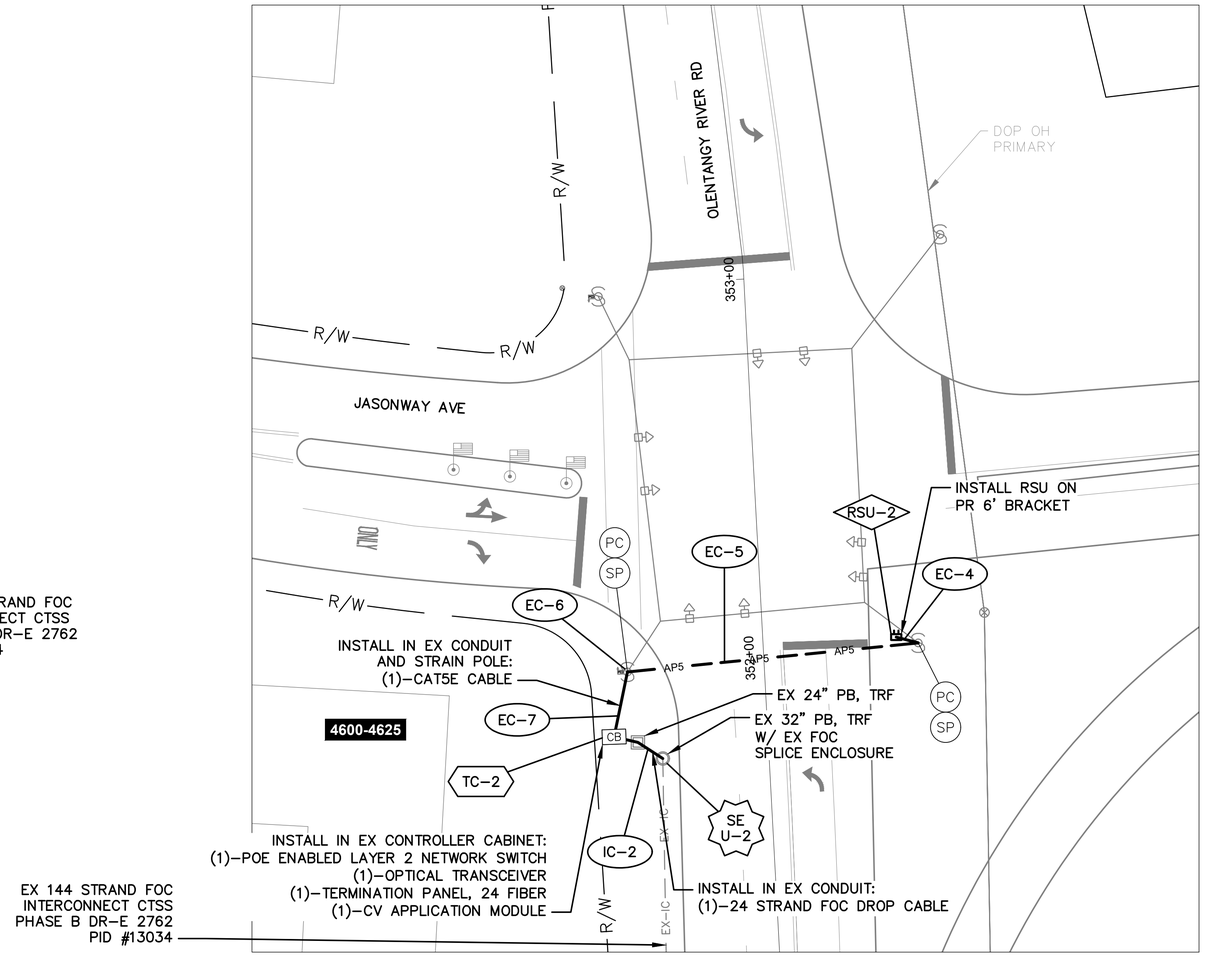
CITY OF COLUMBUS TRAFFIC SIGNAL SYSTEM
(CTSS) PHASE F – FINAL SUBMITTAL

79
768

J:\Jobs\70202 – CTSS Phase F\TECHPROD\Sheets\CTSS_PhF_Trunk1_HENDERSON_IC_QUANTITIES.dwg – HENDERSON RD-02 layout ~ last saved by: gburch 02/22/2022 09:40pm ~ printed 06/02/2022 09:50am PSLTS: 1 LTS: 1 CAS: 1:1



DETAIL - INT 4110 - HENDERSON RD AT OLENTANGY RIVER RD



DETAIL - INT 4117 - JASONWAY AVE AT OLENTANGY RIVER RD

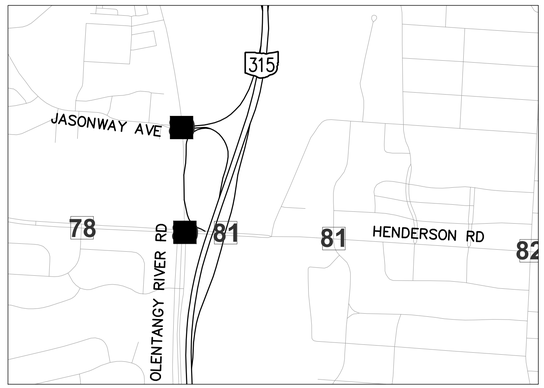
NOTES:

1. SEE SHEET 83 FOR QUANTITIES.
2. SEE SHEETS 456, 509 & 520 FOR COMMUNICATION DETAILS.
3. FOR RADIO MOUNTING DETAILS:
   INT 4110 – SEE SHEET 52
   INT 4117 – SEE SHEET 53

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CITY OF COLUMBUS UTILITY LEGEND

- ☐ SEWER
- ☐ WATER
- ☒ POWER
- ☐ LIGHTING



REFER TO SHEET 8 FOR INTERCONNECT SHEET INDEX

KEY PLAN
NOT TO SCALE

3676-E

HORIZONTAL SCALE IN FEET
0 20 40

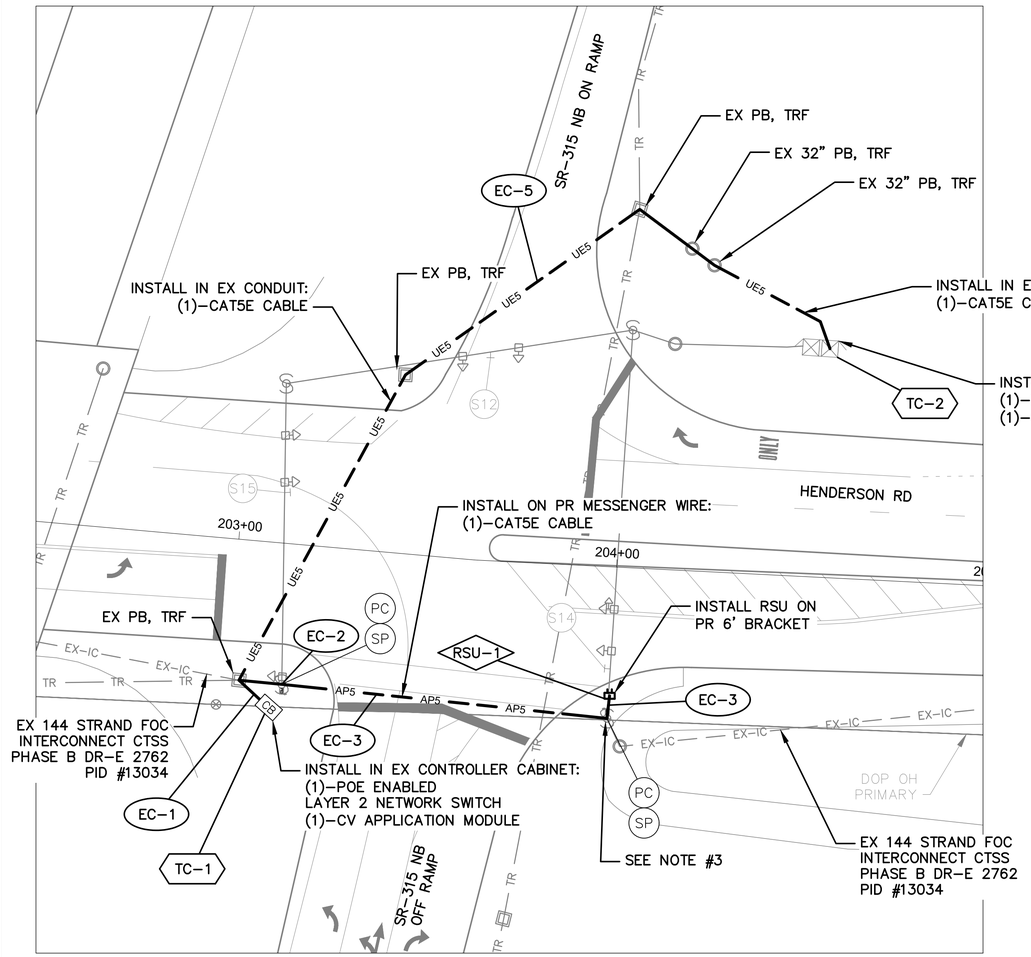
CIP: 540007-100060
PID NUMBER: 110521

INTERCONNECT PLAN – INT 4110 – HENDERSON RD AT OLENTANGY RIVER RD – INT 4117 – JASONWAY AVE AT OLENTANGY RIVER RD

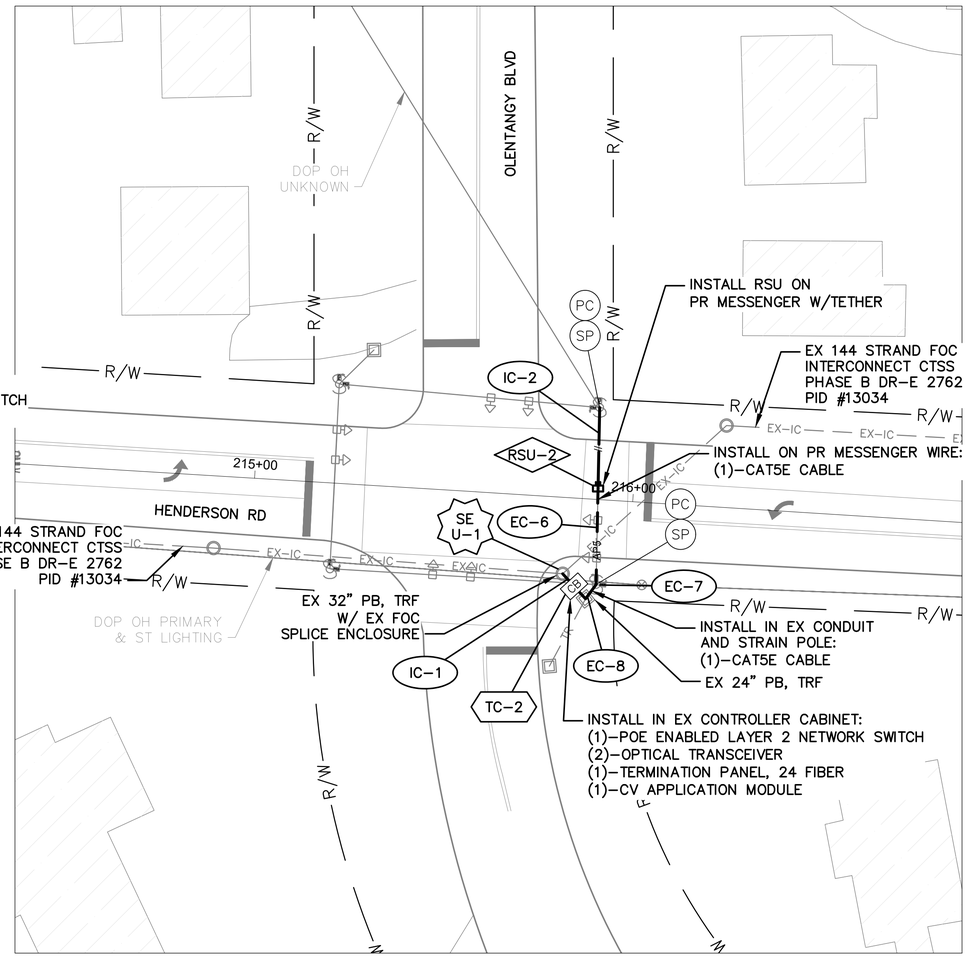
CITY OF COLUMBUS TRAFFIC SIGNAL SYSTEM
(CTSS) PHASE F – FINAL SUBMITTAL

80
768

\\colw001\PWWork\Jobs\70202 – CTSS Phase F\TECHPROD\Sheets\CTSS_PhF_Trunk1_HENDERSON_INTERCONNECT.dwg – HENDERSON-7 layout – last saved by: gburch 02/24/2022 11:26am – printed 06/01/2022 11:14pm PSLTS: 1 LTS: 1 CAS: 1:1



DETAIL - INT 4109 - HENDERSON RD AT SR-315 NB RAMPS



DETAIL - INT 4108 - HENDERSON RD AT OLENTANGY BLVD

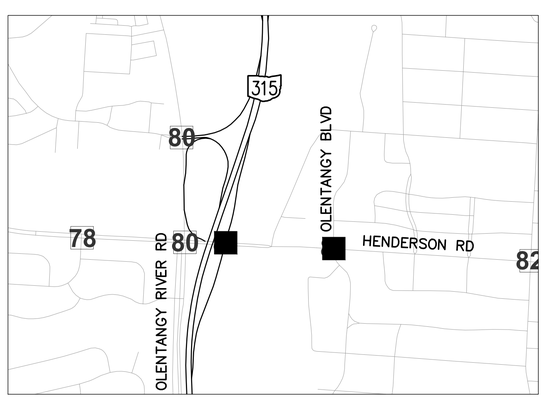
NOTES:

1. SEE SHEET 83 FOR QUANTITIES.
2. SEE SHEETS 456, 522 & 523 FOR COMMUNICATION DETAILS.
3. RAISE SIGNAL INTERCONNECT TO ALLOW ROOM FOR BRACKET TO BE INSTALLED.
4. FOR RADIO MOUNTING DETAILS:
   INT 4109 – SEE SHEET 53
   INT 4108 – SEE SHEET 52

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☒	POWER
☒	LIGHTING



REFER TO SHEET 8 FOR INTERCONNECT SHEET INDEX

KEY PLAN
NOT TO SCALE

3676-E

HORIZONTAL SCALE IN FEET
0 20 40

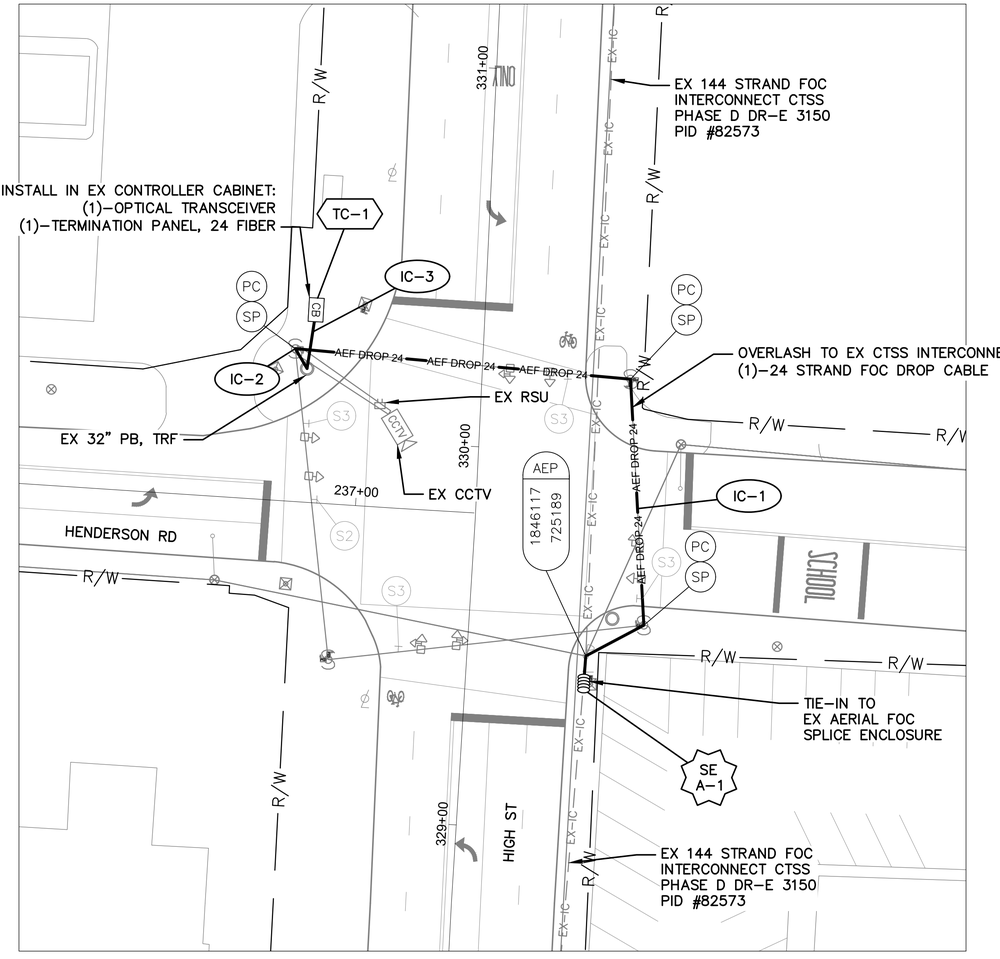
CIP: 540007-100060
PID NUMBER: 110521

INTERCONNECT PLAN – INT 4109 HENDERSON RD AT SR-315 NB RAMPS
INT 4108 – HENDERSON RD AT OLENTANGY BLVD

CITY OF COLUMBUS TRAFFIC SIGNAL SYSTEM
(CTSS) PHASE F – FINAL SUBMITTAL

81
768

\\colw00\PMWork\Jobs\70202 – CTSS Phase F\TECHPROD\Sheets\CTSS_PhF_Trunk1_HENDERSON_INTERCONNECT1.dwg – HENDERSON–8 layout – last saved by: gburch 02/24/2022 11:26am – printed 06/01/2022 11:15pm PSLTS: 1 LTS: 1 CAS: 1:1



DETAIL - INT 4043 - HENDERSON RD AT HIGH ST

NOTES:

1. SEE SHEET 83 FOR QUANTITIES.
2. SEE SHEETS 456, 524 & 525 FOR COMMUNICATION DETAILS.

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- ☒ POWER
- ☒ LIGHTING



REFER TO SHEET 8 FOR INTERCONNECT SHEET INDEX

KEY PLAN
NOT TO SCALE

3676-E

HORIZONTAL SCALE IN FEET
0 20 40

CIP: 540007-100060
PID NUMBER: 110521

INTERCONNECT PLAN
INT 4043 - HENDERSON RD AT HIGH ST

CITY OF COLUMBUS TRAFFIC SIGNAL SYSTEM
(CTSS) PHASE F - FINAL SUBMITTAL

82
768

\\colw00\PWWork\Jobs\70202 - CTSS Phase F\TECHPROD\Sheets\CTSS_PhF_Trunk1_HENDERSON_INTERCONNECT.dwg - HENDERSON-9 layout ~ last saved by: gburch 02/24/2022 11:26am ~ printed 06/01/2022 11:15pm PSLTS: 1 LTS: 1 CAS: 1:1

ESTIMATED QUANTITIES

SHEET NO.	REFERENCE NO.	LOCATION	STATION		202	625	632	632	632	632	632	632	632	632	633	633	633								
					EXISTING CONDUIT CLEANED, AS PER PLAN	BRACKET ARM, 6', AS PER PLAN	INTERCONNECT CABLE, MISC.: FIBER OPTIC DROP CABLE, 24 STRAND	INTERCONNECT CABLE, MISC.: FIBER OPTIC FUSION SPLICE	INTERCONNECT CABLE, MISC.: OVERLASH TO EXISTING INTERCONNECT	INTERCONNECT CABLE, MISC.: TERMINATION PANEL, 24 FIBER	INTERCONNECT, MISC.: CAT 5E CABLE, OUTDOOR RATED	MESSENGER WIRE, 7 STRAND, 1/4" DIAMETER WITH ACCESSORIES, AS PER PLAN	ROADSIDE UNIT RADIO, AS PER PLAN	TETHER WIRE, WITH ACCESSORIES	CONTROLLER ITEM, MISC.: CV APPLICATION MODULE	CONTROLLER ITEM, MISC.: FIBER OPTIC ETHERNET TRANSCEIVER, SHORT RANGE	CONTROLLER ITEM, MISC.: POE ENABLED LAYER 2 ETHERNET SWITCH							
			FROM	TO	FT	EACH	FT	EACH	FT	EACH	FT	FT	EACH	FT	EACH	EACH	EACH							
HENDERSON RD., INTS 4110 & 4117																									
80	TC-1	HENDERSON RD	198+39, 56' RT				40			2	20				1	3	1								
80	IC-1	HENDERSON RD	198+39, 56' RT	198+42, 49' RT	18		36																		
80	EC-3	HENDERSON RD	198+39, 56' RT	198+51, 53' RT	18						18														
80	SE U-1	HENDERSON RD	198+42, 49' RT				250	36																	
80	EC-2	HENDERSON RD	198+51, 53' RT								35														
80	EC-1	HENDERSON RD	198+51, 53' RT	198+67, 0' LT					62		62														
80	RSU-1	HENDERSON RD	198+67, 0' LT										1												
80	SE U-2	OLENTANGY RIVER RD	351+75, 28' LT				125	12																	
80	IC-2	OLENTANGY RIVER RD	351+75, 28' LT	351+81, 41' LT	14		14																		
80	TC-2	OLENTANGY RIVER RD	351+81, 41' LT				20			1	20				1	1	1								
80	EC-7	OLENTANGY RIVER RD	351+81, 41' LT	351+98, 36' LT	17						17														
80	EC-6	OLENTANGY RIVER RD	351+98, 36' LT								35														
80	EC-5	OLENTANGY RIVER RD	351+98, 36' LT	352+02, 41' RT							78	78													
80	EC-4	OLENTANGY RIVER RD	352+02, 41' RT	352+03, 35' RT		1					6														
80	RSU-2	OLENTANGY RIVER RD	352+03, 35' RT										1												
HENDERSON RD., INTS 4109 & 4108																									
81	EC-1	HENDERSON RD	203+03, 37' RT	203+12, 44' RT	11						11														
81	TC-1	HENDERSON RD	203+12, 44' RT								20				1		1								
81	EC-2	HENDERSON RD	203+15, 37' RT								35														
81	EC-3	HENDERSON RD	203+15, 37' RT	203+99, 40' RT							87	87													
81	EC-5	HENDERSON RD	203+15, 37' RT	204+54, 60' LT	231						231														
81	EC-4	HENDERSON RD	203+96, 35' RT	203+99, 40' RT		1					6														
81	RSU-1	HENDERSON RD	203+96, 35' RT										1												
81	TC-2	HENDERSON RD	204+54, 60' LT								20					1	1								
81	SE U-1	HENDERSON RD	215+82, 20' RT				125	24																	
81	IC-1	HENDERSON RD	215+82, 20' RT	215+85, 23' RT	4		4																		
81	TC-3	HENDERSON RD	215+85, 23' RT				20			1	20				1	2	1								
81	EC-8	HENDERSON RD	215+85, 23' RT	215+91, 22' RT	9						9														
81	IC-2	HENDERSON RD	215+90, 24' LT	215+91, 22' RT										48											
81	EC-6	HENDERSON RD	215+90, 24' LT	215+91, 22' RT							25	48													
81	EC-7	HENDERSON RD	215+91, 22' RT								35														
81	RSU-2	HENDERSON RD	215+91, 3' LT										1												
HENDERSON RD., INT 4043																									
82	SE A-1	HIGH ST	329+39, 31' RT				125	12																	
82	IC-1	HIGH ST	329+39, 31' RT	330+24, 50' LT			180		180																
82	IC-2	HIGH ST	330+24, 50' LT				35																		
82	IC-3	HIGH ST	330+24, 50' LT	330+34, 45' LT	22		22																		
82	TC-1	HIGH ST	330+34, 45' LT				20			1						1									
SHEET TOTAL					344	2	1,016	84	242	5	790	213	4	48	4	8	5	-	-	-	-	-	-	-

AERIAL SAG: 1.5% AERIAL SAG IS INCLUDED IN THE QUANTITIES FOR ANY AERIAL FIBER OR CABLE ITEMS.

3676-E

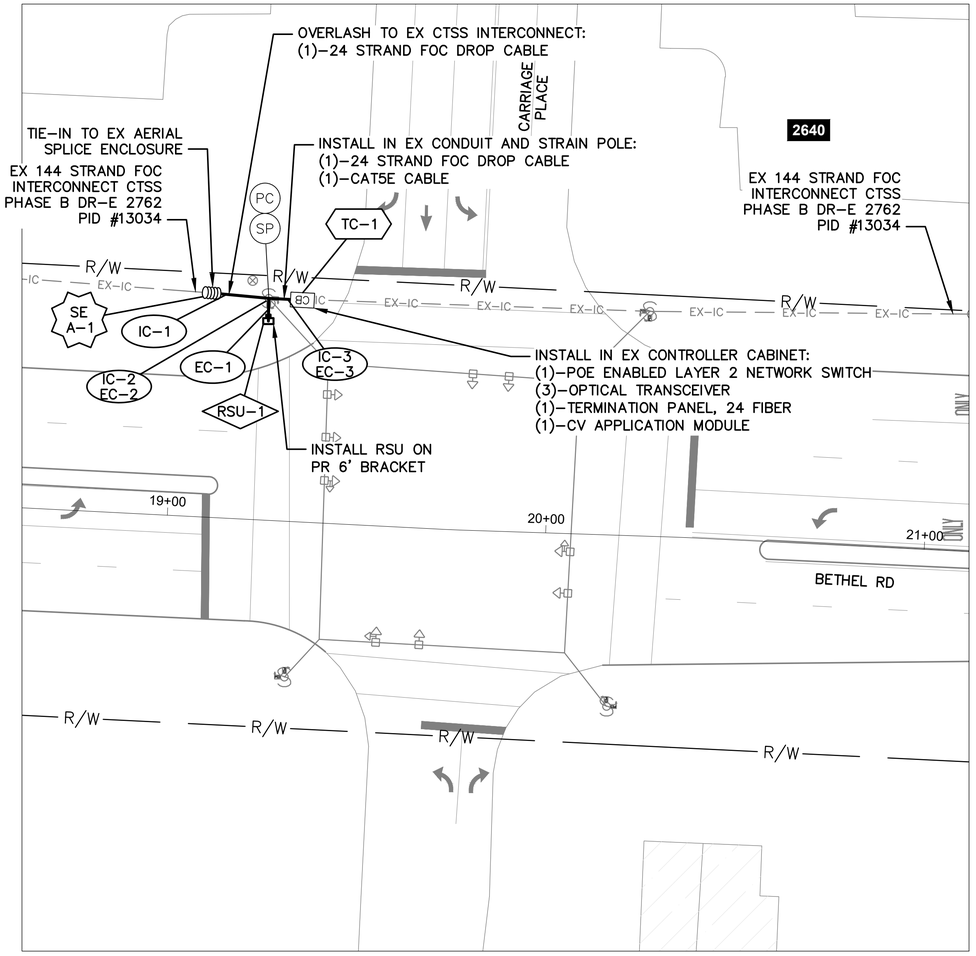
CIP: 540007-100060
PID NUMBER: 110521

CONNECTED VEHICLE ENVIRONMENT
HENDERSON RD

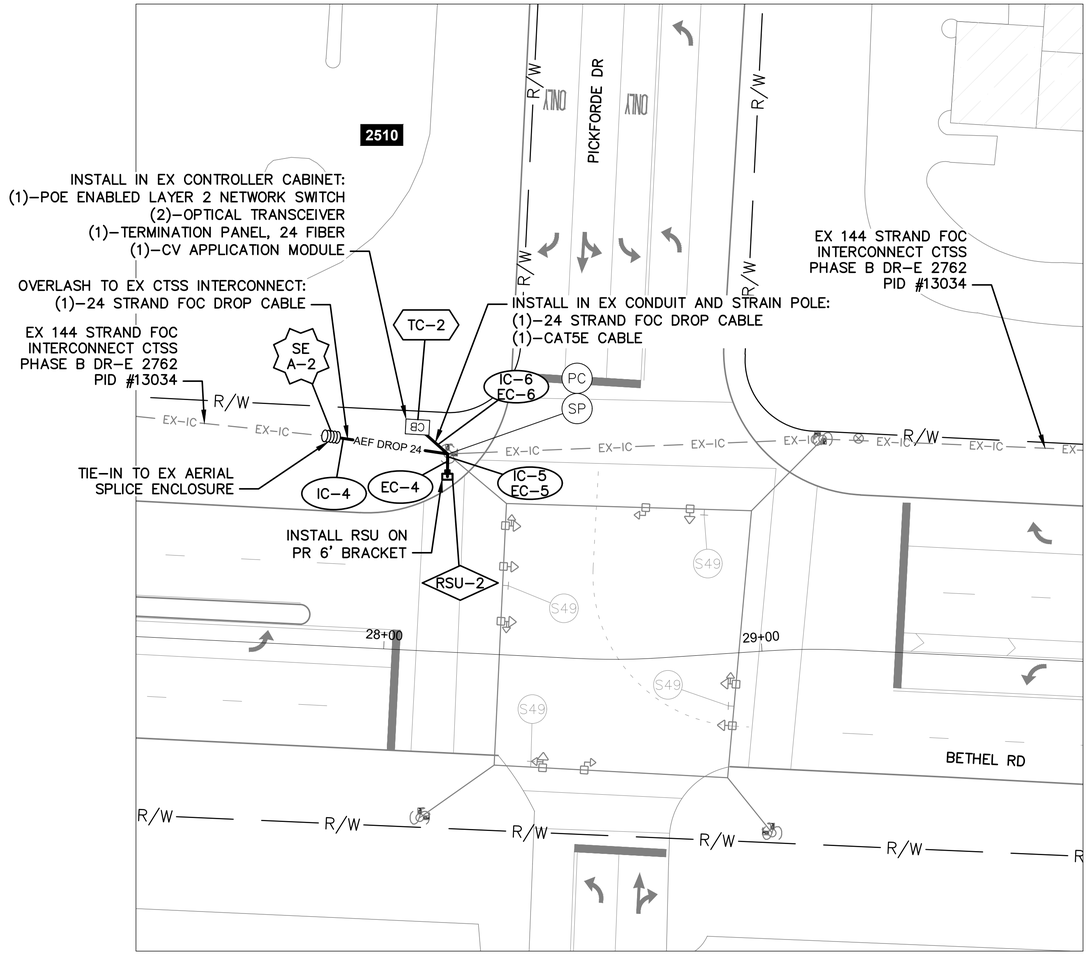
CITY OF COLUMBUS TRAFFIC SIGNAL SYSTEM
(CTSS) PHASE F – FINAL SUBMITTAL

83
768

J:\Jobs\70202 – CTSS Phase F\TECHPROD\Sheets\CTSS_PhF_Trunk1_HENDERSON_IC_QUANTITIES.dwg – HENDERSON RD-03 layout ~ last saved by: gburch 02/22/2022 09:40pm ~ printed 06/02/2022 09:51am PSLTS: 1 LTS: 1 CAS: 1:1



DETAIL - INT 4186 - BETHEL RD AT CARRIAGE PLACE SHOPPING CENTER



DETAIL - INT 4187 - BETHEL RD AT PICKFORDE DR

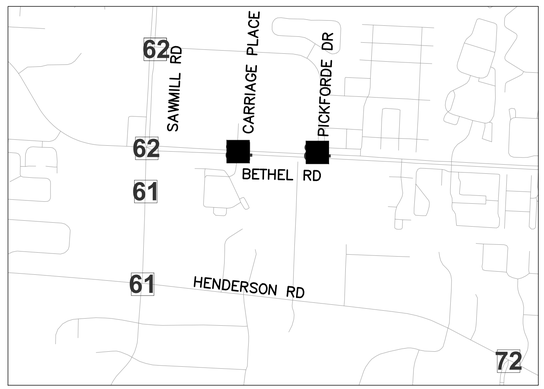
NOTES:

1. SEE SHEET 86 FOR QUANTITIES.
2. SEE SHEETS 454, 497 & 498 FOR COMMUNICATION DETAILS.
3. FOR RADIO MOUNTING DETAILS:
   INT 4186 – SEE SHEET 53
   INT 4187 – SEE SHEET 53

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- ☐ LIGHTING



REFER TO SHEET 8 FOR INTERCONNECT SHEET INDEX

KEY PLAN
NOT TO SCALE

3676-E

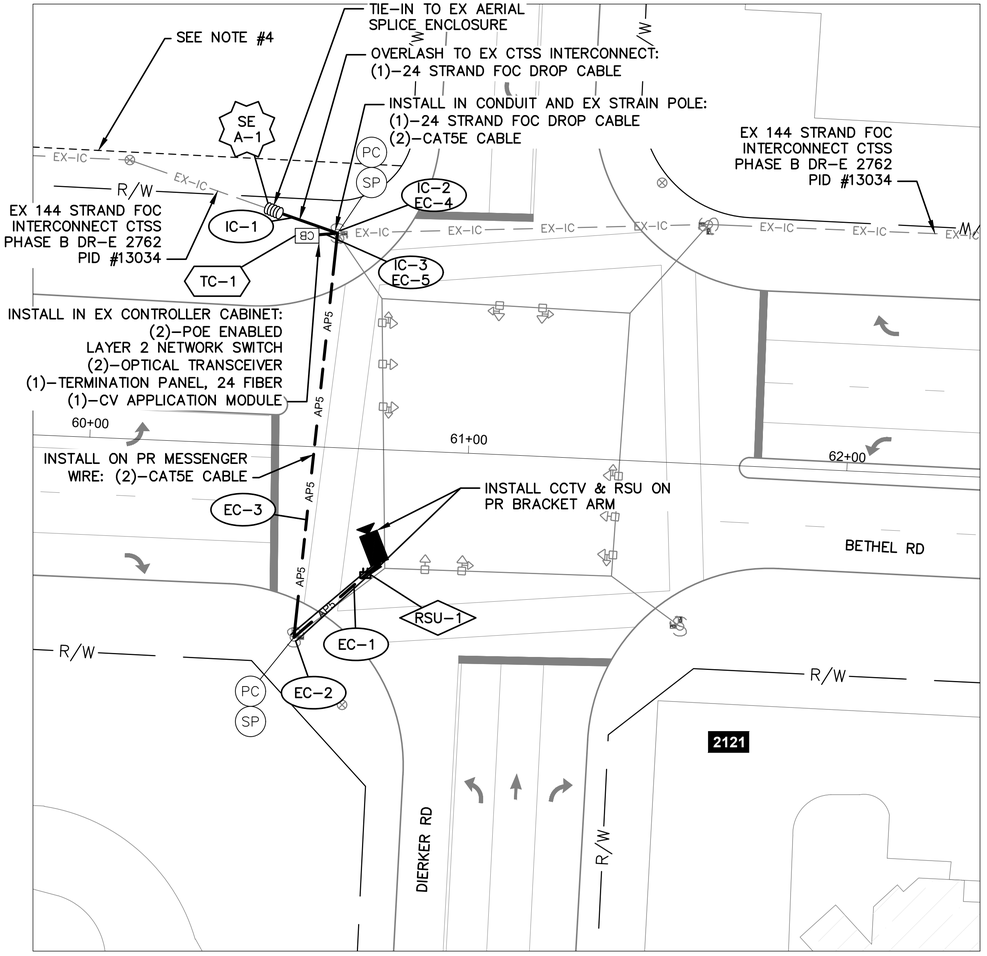
HORIZONTAL SCALE IN FEET
0 20 40

CIP: 540007–100060
PID NUMBER: 110521

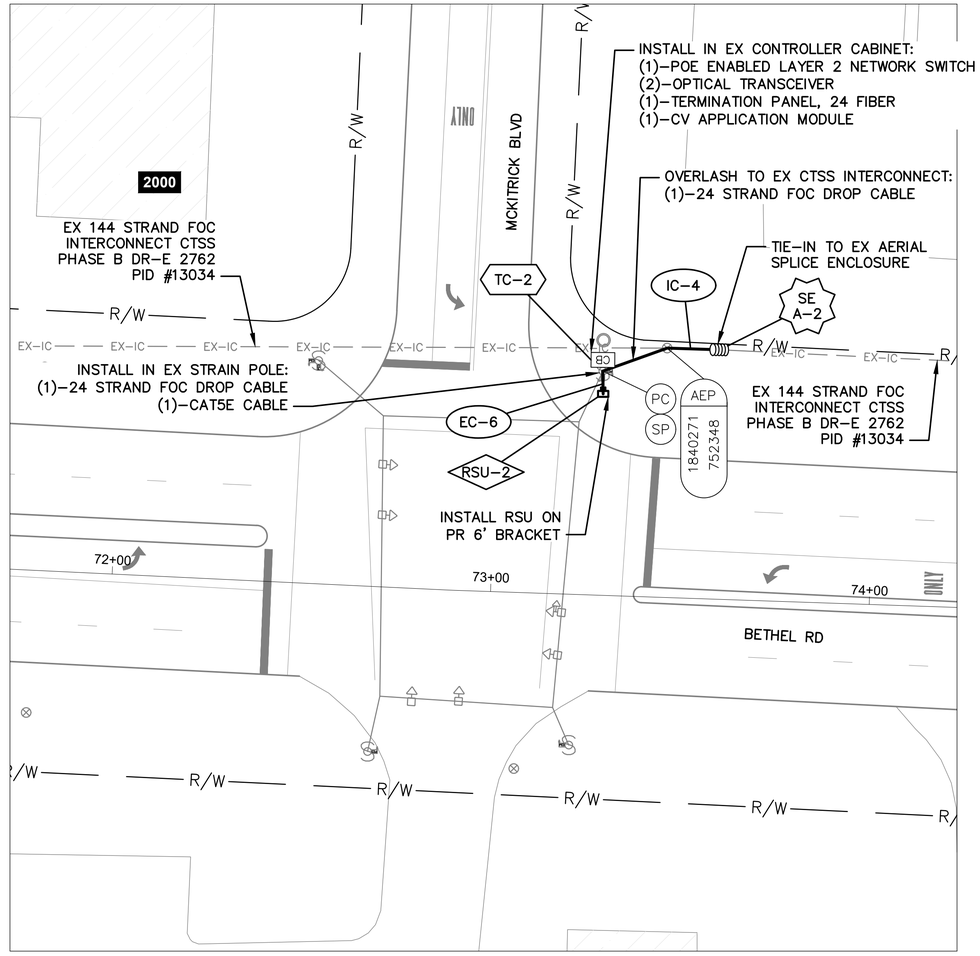
INTERCONNECT PLAN – INT 4186
INT 4187 – BETHEL RD AT CARRIAGE PLACE
INT 4187 – BETHEL RD AT PICKFORDE DR

CITY OF COLUMBUS TRAFFIC SIGNAL SYSTEM
(CTSS) PHASE F – FINAL SUBMITTAL

\\colw00\PMWork\Jobs\70202 – CTSS Phase F\TECHPROD\Sheets\CTSS_PhF_Trunk1_BETHEL_INTERCONNECT.dwg – BETHEL–1 layout ~ last saved by: gburch 04/12/2022 10:19pm ~ printed 06/01/2022 11:17pm PSLTS: 1 LTS: 1 CAS: 1:1



DETAIL - INT 4164 - BETHEL RD AT DIERKER RD



DETAIL - INT 4122 - BETHEL RD AT MCKITRICK BLVD

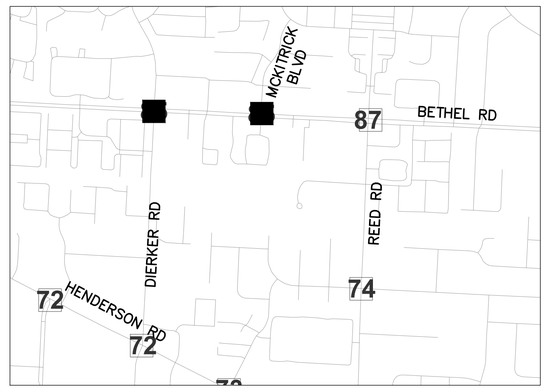
NOTES:

1. SEE SHEET 86 FOR QUANTITIES.
2. SEE SHEETS 454, 499 & 500 FOR COMMUNICATION DETAILS.
3. SEE SHEET 49 FOR CCTV MOUNTING DETAILS.
4. AEP EASEMENT 69524.
5. FOR RADIO MOUNTING DETAILS:
   INT 4164 – SEE SHEET 54
   INT 4122 – SEE SHEET 53

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CITY OF COLUMBUS UTILITY LEGEND

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- ☐ POWER
- ☐ LIGHTING



REFER TO SHEET 8 FOR INTERCONNECT SHEET INDEX

KEY PLAN
NOT TO SCALE

3676-E

HORIZONTAL SCALE IN FEET
0 20 40

CIP: 540007-100060
PID NUMBER: 110521

INTERCONNECT PLAN – INT 4164 – BETHEL RD AT DIERKER RD
INT 4122 – BETHEL RD AT MCKITRICK BLVD

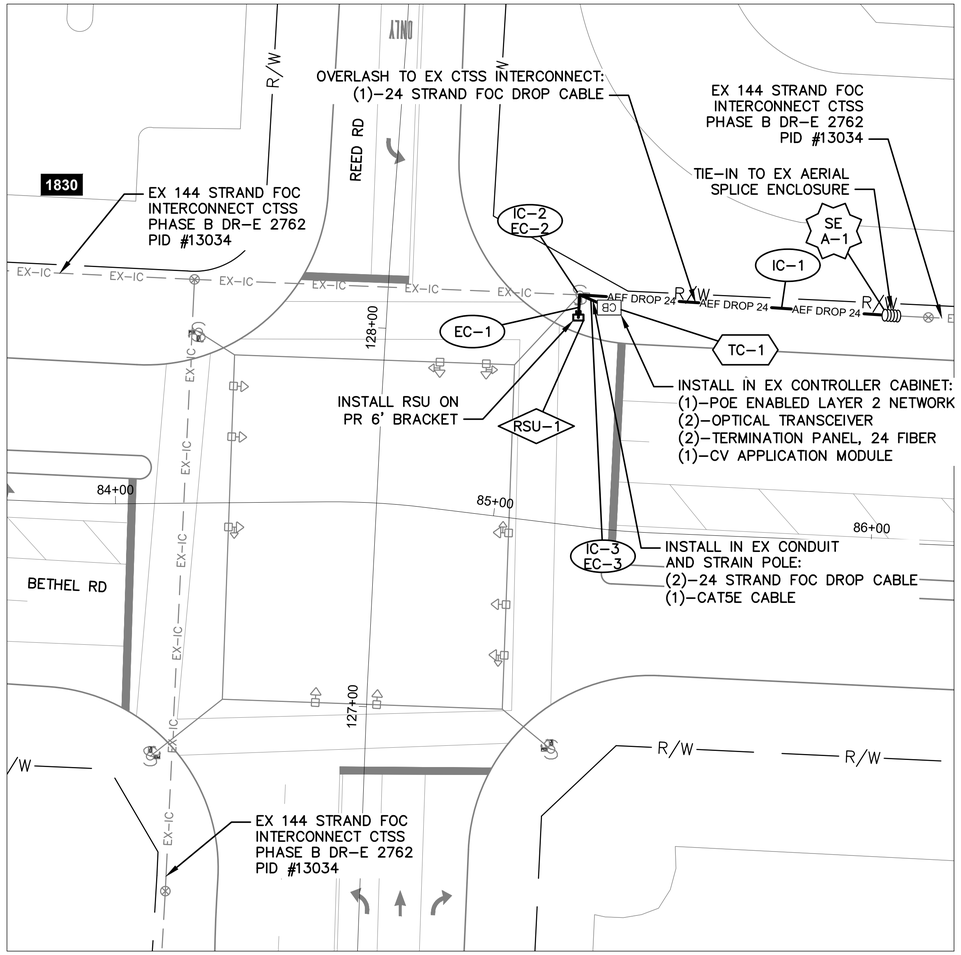
CITY OF COLUMBUS TRAFFIC SIGNAL SYSTEM
(CTSS) PHASE F – FINAL SUBMITTAL

85
768

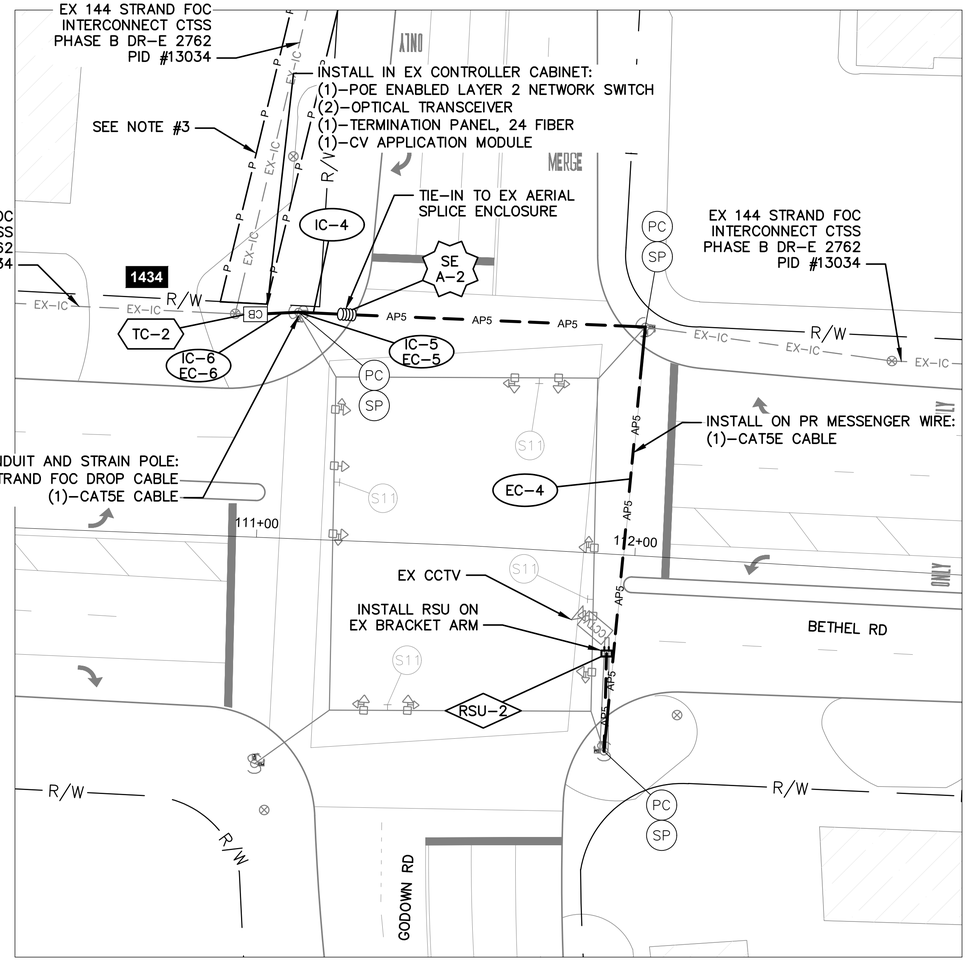
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ESTIMATED QUANTITIES

SHEET NO.	REFERENCE NO.	LOCATION	STATION		202	625	625	632	632	632	632	632	632	632	632	633	633	633						
					EXISTING CONDUIT CLEANED, AS PER PLAN	BRACKET ARM, 6', AS PER PLAN	BRACKET ARM, 30', AS PER PLAN	INTERCONNECT CABLE, MISC.: FIBER OPTIC DROP CABLE, 24 STRAND	INTERCONNECT CABLE, MISC.: FIBER OPTIC FUSION SPLICE	INTERCONNECT CABLE, MISC.: OVERLASH TO EXISTING INTERCONNECT	INTERCONNECT CABLE, MISC.: TERMINATION PANEL, 24 FIBER	INTERCONNECT, MISC.: CAT 5E CABLE, OUTDOOR RATED	MESSENGER WIRE, 7 STRAND, 1/4" DIAMETER WITH ACCESSORIES, AS PER PLAN	ROADSIDE UNIT RADIO, AS PER PLAN	SIGNALIZATION, MISC.: CCTV IP-CAMERA SYSTEM	CONTROLLER ITEM, MISC.: CV APPLICATION MODULE	CONTROLLER ITEM, MISC.: FIBER OPTIC ETHERNET TRANSCEIVER, SHORT RANGE	CONTROLLER ITEM, MISC.: POE ENABLED LAYER 2 ETHERNET SWITCH						
			FROM	TO	FT	EACH	EACH	FT	EACH	FT	EACH	FT	FT	EACH	EACH	EACH	EACH	EACH						
BETHEL RD., INTS 4186 & 4187																								
84	SE A-1	BETHEL RD	19+08, 59' LT					125	24															
84	IC-1	BETHEL RD	19+08, 59' LT	19+23, 59' LT				15		15														
84	IC-2	BETHEL RD	19+23, 59' LT					35																
84	EC-2	BETHEL RD	19+23, 59' LT			1						35												
84	IC-3	BETHEL RD	19+23, 59' LT	19+32, 59' LT	9			9																
84	EC-3	BETHEL RD	19+23, 59' LT	19+32, 59' LT								9												
84	EC-1	BETHEL RD	19+23, 59' LT	19+27, 54' LT								6												
84	RSU-1	BETHEL RD	19+27, 54' LT											1										
84	TC-1	BETHEL RD	19+32, 59' LT					20			1	20		1		1	3	1						
84	SE A-2	BETHEL RD	27+83, 55' LT					125	24															
84	IC-4	BETHEL RD	27+83, 55' LT	28+14, 52' LT				31		31														
84	TC-2	BETHEL RD	28+06, 59' LT					20			1	20				1	2	1						
84	IC-6	BETHEL RD	28+06, 59' LT	28+14, 52' LT	11			11																
84	EC-6	BETHEL RD	28+06, 59' LT	28+14, 52' LT								11												
84	EC-4	BETHEL RD	28+14, 52' LT	28+18, 47' LT								6												
84	IC-5	BETHEL RD	28+14, 52' LT					35																
84	EC-5	BETHEL RD	28+14, 52' LT			1						35												
84	RSU-2	BETHEL RD	28+18, 47' LT											1										
BETHEL RD., INTS 4164 & 4122																								
85	SE A-1	BETHEL RD	60+45, 62' LT					125	24															
85	IC-1	BETHEL RD	60+45, 62' LT	60+63, 57' LT				18		18														
85	TC-1	BETHEL RD	60+55, 56' LT					20			1	40				1	2	2						
85	IC-3	BETHEL RD	60+55, 56' LT	60+63, 57' LT	8			8																
85	EC-5	BETHEL RD	60+55, 56' LT	60+63, 57' LT								16												
85	EC-2	BETHEL RD	60+56, 51' RT				1																	
85	IC-2	BETHEL RD	60+63, 57' LT					35																
85	EC-4	BETHEL RD	60+63, 57' LT									70												
85	EC-3	BETHEL RD	60+63, 57' LT	60+73, 34' RT								218	109											
85	EC-1	BETHEL RD	60+63, 57' LT	60+77, 30' RT								60												
85	CTV-1	BETHEL RD	60+73, 34' RT												1									
85	RSU-1	BETHEL RD	60+77, 30' RT											1										
85	EC-6	BETHEL RD	73+23, 55' LT	73+27, 59' LT								6												
85	RSU-2	BETHEL RD	73+23, 55' LT											1										
85	TC-2	BETHEL RD	73+27, 59' LT					55			1	55				1	2	1						
85	IC-4	BETHEL RD	73+27, 59' LT	73+58, 66' LT				32		32														
85	SE A-2	BETHEL RD	73+58, 66' LT					125	24															



DETAIL - INT 4121 - BETHEL RD AT REED RD



DETAIL - INT 4120 - BETHEL RD AT GODOWN RD

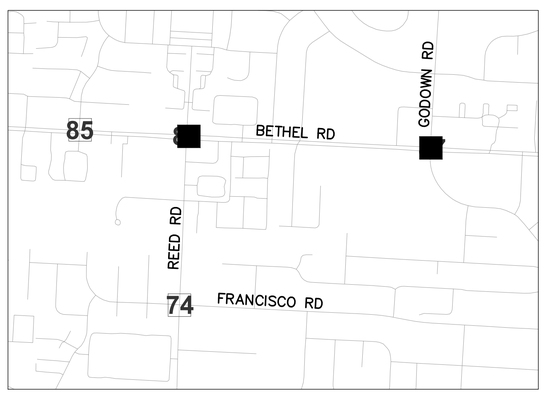
NOTES:

1. SEE SHEET 89 FOR QUANTITIES.
2. SEE SHEETS 454, 455, 501, 502 & 504 FOR COMMUNICATION DETAILS.
3. PROPOSED EASEMENT – SEE R/W PLANS SHEET 768 (12–A).
4. FOR RADIO MOUNTING DETAILS:
   INT 4121 – SEE SHEET 53
   INT 4120 – SEE SHEET 54

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- ☐ POWER
- ☐ LIGHTING



REFER TO SHEET 8 FOR INTERCONNECT SHEET INDEX

KEY PLAN
NOT TO SCALE

3676-E

HORIZONTAL SCALE IN FEET
0 20 40

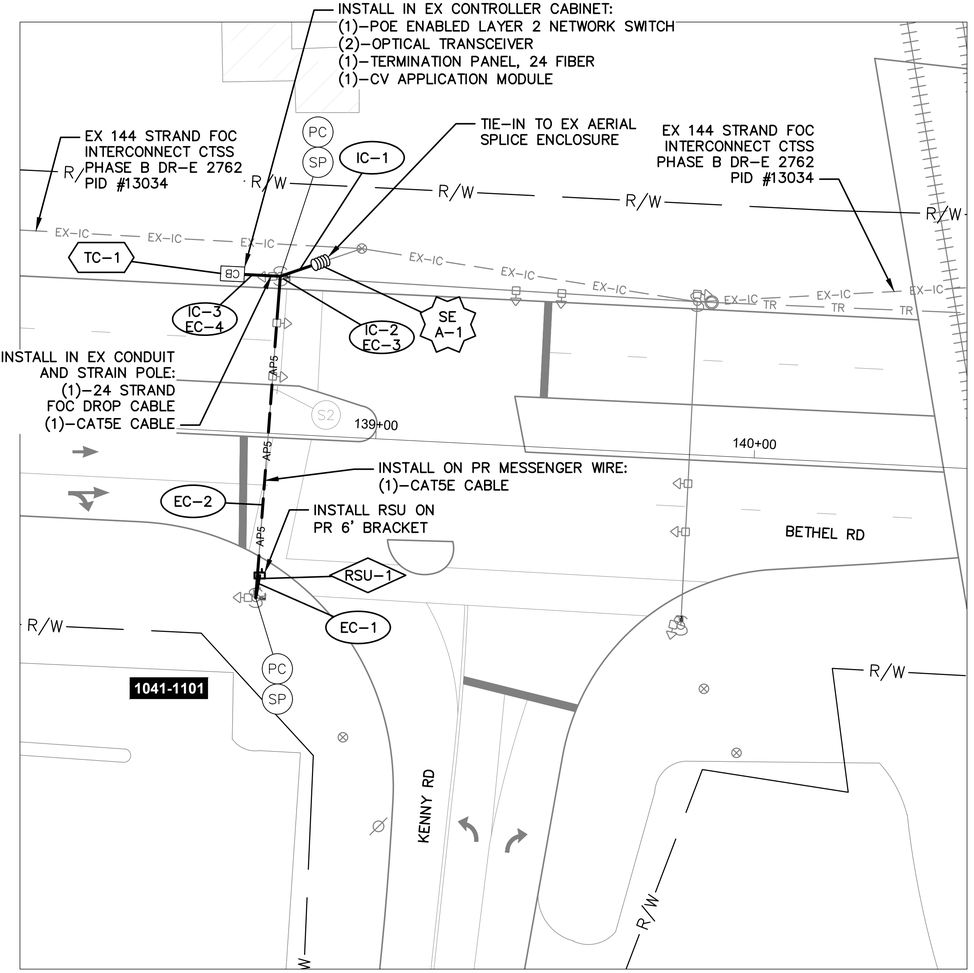
CIP: 540007–100060
PID NUMBER: 110521

INTERCONNECT PLAN – INT 4121 – BETHEL RD AT REED RD
INT 4120 – BETHEL RD AT GODOWN RD

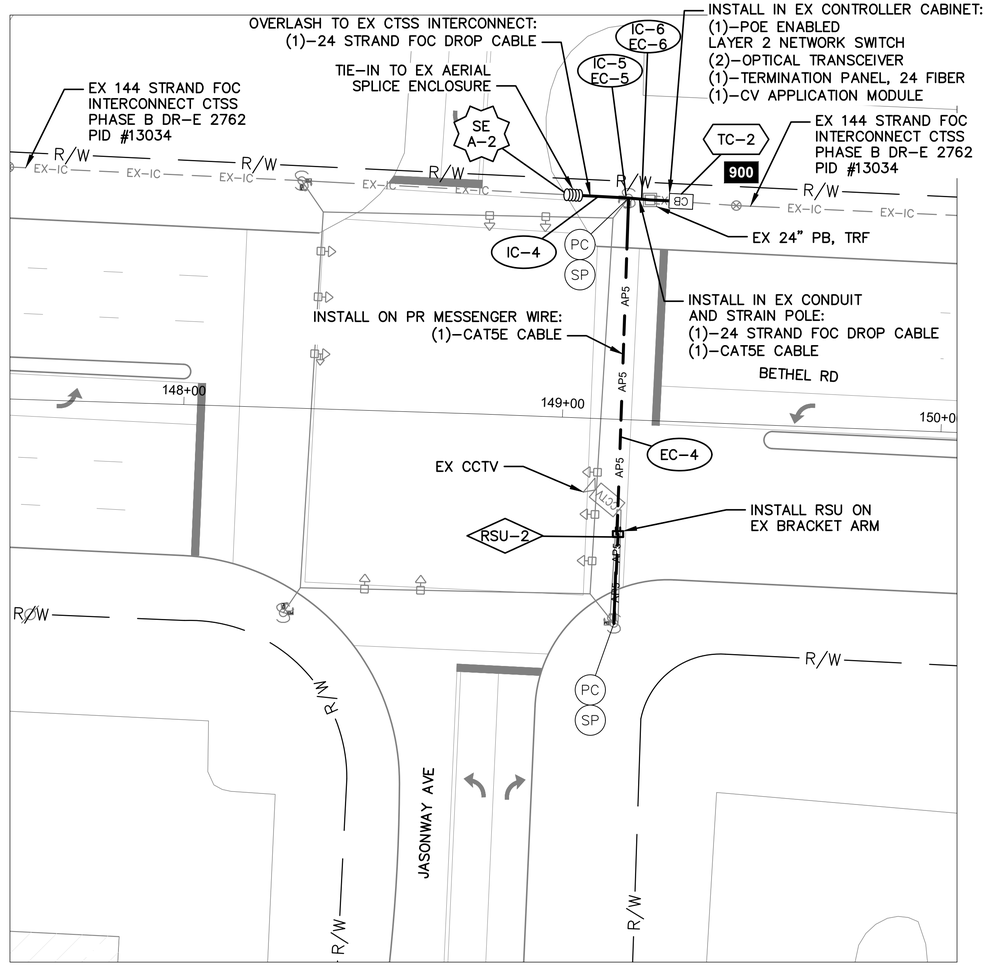
CITY OF COLUMBUS TRAFFIC SIGNAL SYSTEM
(CTSS) PHASE F – FINAL SUBMITTAL

87
768

\\colw00\PMWork\Jobs\70202 – CTSS Phase F\TECHPROD\Sheets\CTSS_PhF_Trunk1_BETHEL_INTERCONNECT.dwg – BETHEL–3 layout ~ last saved by: gburch 04/12/2022 10:19pm ~ printed 06/01/2022 11:19pm PSLTS: 1 LTS: 1 CAS: 1:1



DETAIL - INT 4142 - BETHEL RD AT KENNY RD



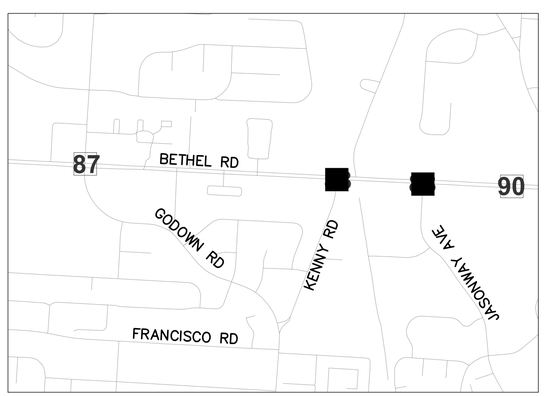
DETAIL - INT 4192 - BETHEL RD AT JASONWAY AVE

NOTES:

1. SEE SHEET 89 FOR QUANTITIES.
2. SEE SHEETS 455, 505 & 506 FOR COMMUNICATION DETAILS.
3. FOR RADIO MOUNTING DETAILS:
   INT 4142 – SEE SHEET 53
   INT 4192 – SEE SHEET 54

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- ☐ POWER
- ☐ LIGHTING



REFER TO SHEET 8 FOR INTERCONNECT SHEET INDEX

KEY PLAN
NOT TO SCALE

3676-E

HORIZONTAL SCALE IN FEET
0 20 40

CIP: 540007–100060
PID NUMBER: 110521

INTERCONNECT PLAN – INT 4142 – BETHEL RD AT KENNY RD
INT 4192 – BETHEL RD AT JASONWAY AVE

CITY OF COLUMBUS TRAFFIC SIGNAL SYSTEM
(CTSS) PHASE F – FINAL SUBMITTAL

88
768

\\colaw00\PWWork\Jobs\70202 – CTSS Phase F\TECHPROD\Sheets\CTSS_PhF_Trunk1_BETHEL_INTERCONNECT.dwg – BETHEL–4 layout ~ last saved by: gburch 04/12/2022 10:19pm ~ printed 06/01/2022 11:20pm PSLTS: 1 LTS: 1 CAS: 1:1

ESTIMATED QUANTITIES

SHEET NO.	REFERENCE NO.	LOCATION	STATION		202	625	632	632	632	632	632	632	632	633	633	633									
					EXISTING CONDUIT CLEANED, AS PER PLAN	BRACKET ARM, 6', AS PER PLAN	INTERCONNECT CABLE, MISC.: FIBER OPTIC DROP CABLE, 24 STRAND	INTERCONNECT CABLE, MISC.: FIBER OPTIC FUSION SPLICE	INTERCONNECT CABLE, MISC.: OVERLASH TO EXISTING INTERCONNECT	INTERCONNECT CABLE, MISC.: TERMINATION PANEL, 24 FIBER	INTERCONNECT, MISC.: CAT 5E CABLE, OUTDOOR RATED	MESSENGER WIRE, 7 STRAND, 1/4" DIAMETER WITH ACCESSORIES, AS PER PLAN	ROADSIDE UNIT RADIO, AS PER PLAN	CONTROLLER ITEM, MISC.: CV APPLICATION MODULE	CONTROLLER ITEM, MISC.: FIBER OPTIC ETHERNET TRANSCEIVER, SHORT RANGE	CONTROLLER ITEM, MISC.: POE ENABLED LAYER 2 ETHERNET SWITCH								
			FROM	TO	FT	EACH	FT	EACH	FT	EACH	FT	FT	EACH	EACH	EACH	EACH								
BETHEL RD., INTS 4121 & 4120																									
87	EC-1	BETHEL RD	85+14, 55' LT	85+23, 59' RT							6														
87	RSU-1	BETHEL RD	85+14, 55' LT										1												
87	IC-2	BETHEL RD	85+15, 61' LT				70																		
87	EC-2	BETHEL RD	85+15, 61' LT			1					35														
87	IC-3	BETHEL RD	85+15, 61' LT	85+23, 58' LT	8		16																		
87	EC-3	BETHEL RD	85+15, 61' LT	85+23, 58' LT							8														
87	IC-1	BETHEL RD	85+15, 61' LT	86+02, 60' LT			164		82																
87	TC-1	BETHEL RD	85+23, 58' LT				40			2	20			1	2	1									
87	SE A-1	BETHEL RD	86+02, 60' LT				250	36																	
87	TC-2	BETHEL RD	110+91, 59' LT				20			1	20			1	2	1									
87	EC-6	BETHEL RD	110+91, 59' LT	111+07, 61' LT							17														
87	IC-6	BETHEL RD	110+91, 59' LT	111+07, 61' LT	17		17																		
87	EC-4	BETHEL RD	111+07, 30' RT	111+07, 61' LT							237	207													
87	RSU-2	BETHEL RD	111+07, 30' RT										1												
87	IC-5	BETHEL RD	111+07, 61' LT				35																		
87	EC-5	BETHEL RD	111+07, 61' LT								35														
87	IC-4	BETHEL RD	111+07, 61' LT	111+21, 61' LT			14					14													
87	SE A-2	BETHEL RD	111+21, 61' LT				125	24																	
BETHEL RD., INTS 4142 & 4192																									
88	TC-1	BETHEL RD	138+60, 42' LT				20			1	20			1	2	1									
88	IC-3	BETHEL RD	138+60, 42' LT	138+73, 42' LT	13		13																		
88	EC-4	BETHEL RD	138+60, 42' LT	138+73, 42' LT							13														
88	EC-1	BETHEL RD	138+70, 44' RT	138+74, 39' RT		1					6														
88	EC-2	BETHEL RD	138+70, 44' RT	138+73, 42' LT							86	86													
88	IC-2	BETHEL RD	138+73, 42' LT				35																		
88	EC-3	BETHEL RD	138+73, 42' LT								35														
88	IC-1	BETHEL RD	138+73, 42' LT	138+83, 48' LT			11					11													
88	RSU-1	BETHEL RD	138+74, 39' RT										1												
88	SE A-1	BETHEL RD	138+83, 48' LT				125	24																	
88	SE A-2	BETHEL RD	149+01, 59' LT				125	24																	
88	IC-5	BETHEL RD	149+01, 59' LT	149+15, 58' LT			15		15																
88	IC-6	BETHEL RD	149+15, 58' LT				35																		
88	EC-5	BETHEL RD	149+15, 58' LT								35														
88	IC-7	BETHEL RD	149+15, 58' LT	149+29, 58' LT	14		14																		
88	EC-6	BETHEL RD	149+15, 58' LT	149+29, 58' LT							14														
88	EC-4	BETHEL RD	149+15, 58' LT	149+16, 30' RT							138	105													
88	RSU-2	BETHEL RD	149+16, 30' RT										1												
88	TC-2	BETHEL RD	149+29, 58' LT				20			1	20			1	2	1									
SHEET TOTAL					52	2	1,164	108	97	5	745	423	4	4	8	4	-	-	-	-	-	-	-	-	

AERIAL SAG: 1.5% AERIAL SAG IS INCLUDED IN THE QUANTITIES FOR ANY AERIAL FIBER OR CABLE ITEMS.

3676-E

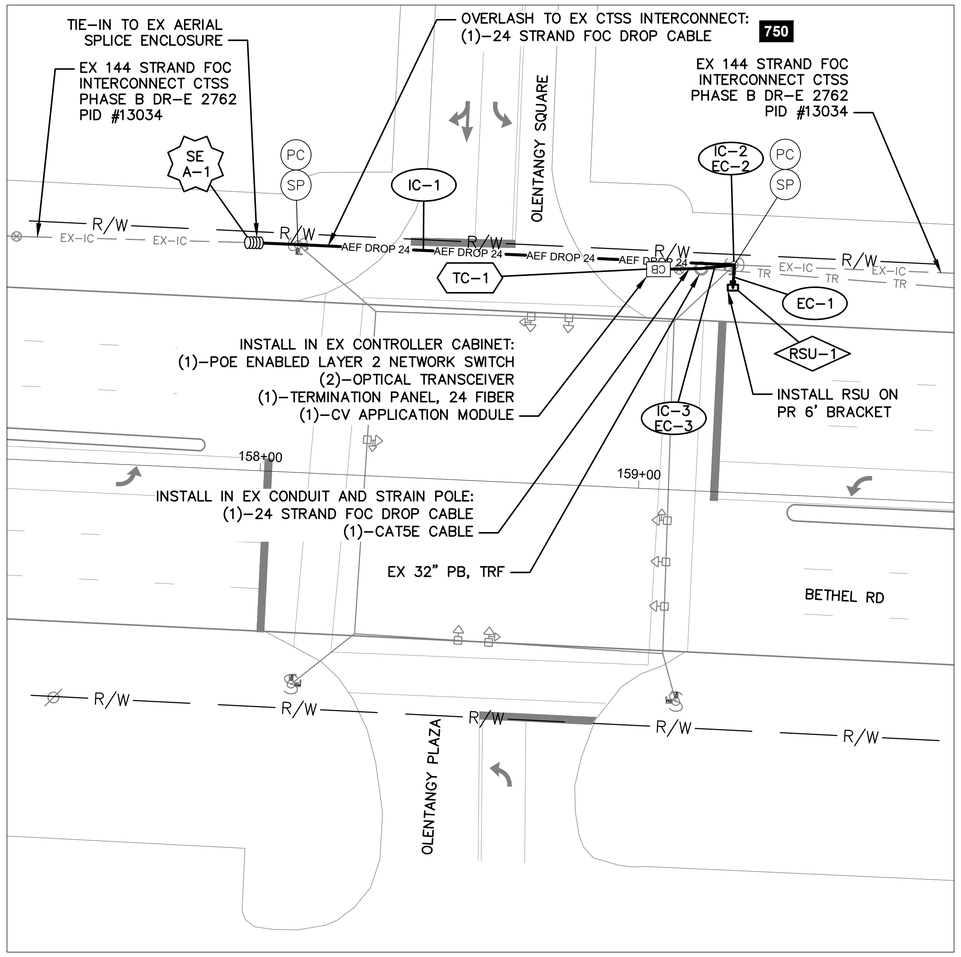
CIP: 540007-100060
PID NUMBER: 110521

CONNECTED VEHICLE ENVIRONMENT
BETHEL RD

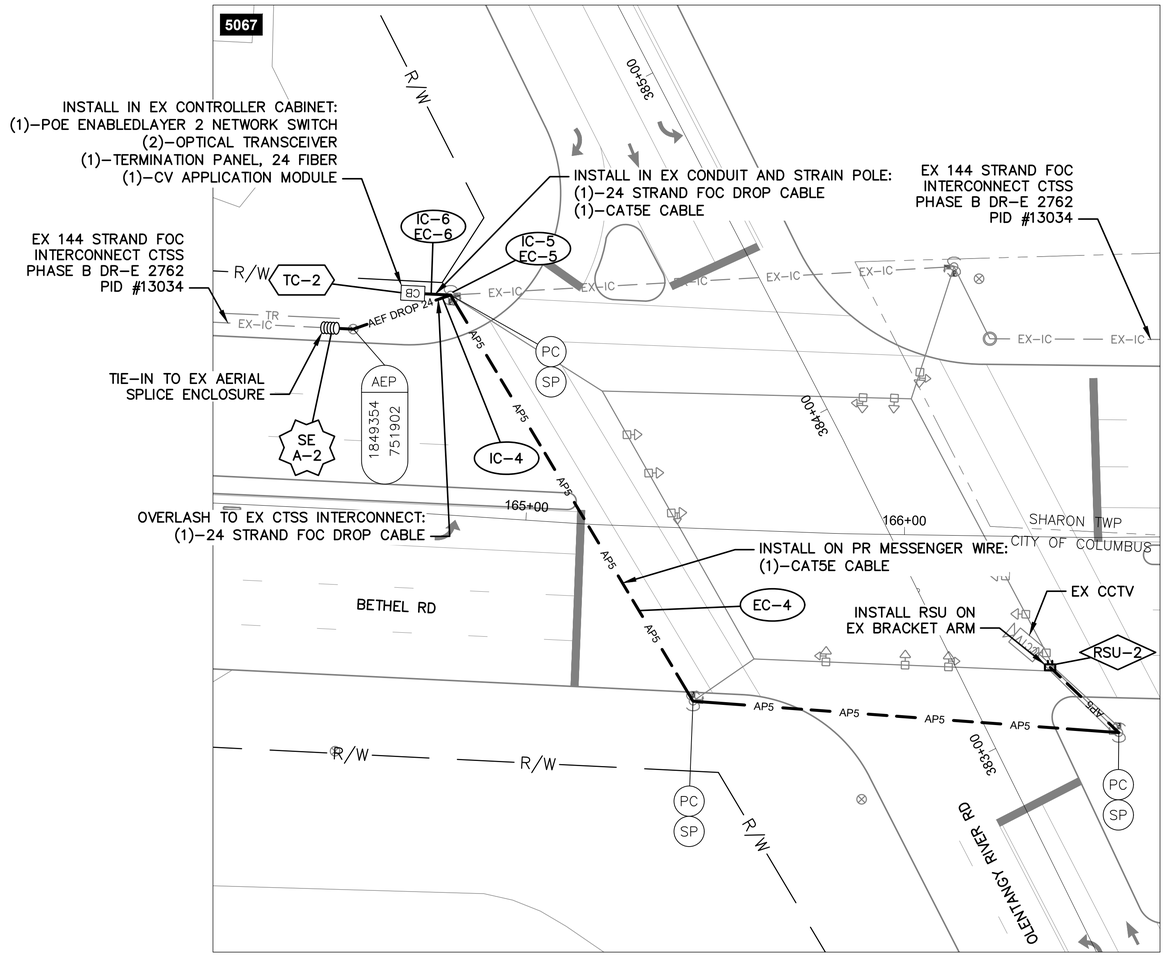
CITY OF COLUMBUS TRAFFIC SIGNAL SYSTEM
(CTSS) PHASE F – FINAL SUBMITTAL

89
768

J:\Jobs\70202 – CTSS Phase F\TECHPROD\Sheets\CTSS_PhF_Trunk1_BETHEL_IC_QUANTITIES.dwg – BETHEL RD-02 layout ~ last saved by: gburch 02/22/2022 09:40pm ~ printed 06/02/2022 09:52am PSLTS: 1 LTS: 1 CAS: 1-1



DETAIL - INT 4141 - BETHEL RD AT OLENTANGY PLAZA & OLENTANGY SQ



DETAIL - INT 4118 - BETHEL RD AT OLENTANGY RIVER RD

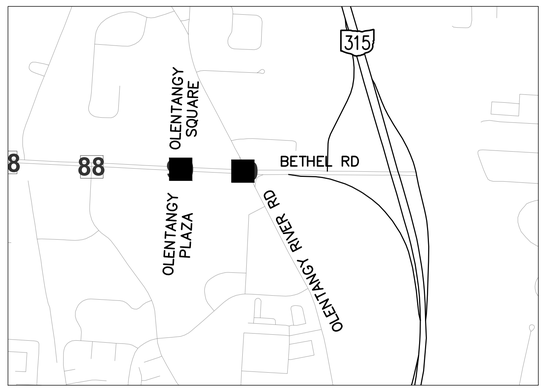
NOTES:

1. SEE SHEET 91 FOR QUANTITIES.
2. SEE SHEETS 455, 456, 507 & 508 FOR COMMUNICATION DETAILS.
3. FOR RADIO MOUNTING DETAILS:
   INT 4141 – SEE SHEET 53
   INT 4118 – SEE SHEET 54

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CITY OF COLUMBUS UTILITY LEGEND

- ☐ SEWER
- ☐ WATER
- ☐ POWER
- ☐ LIGHTING



REFER TO SHEET 8 FOR INTERCONNECT SHEET INDEX

KEY PLAN
NOT TO SCALE

3676-E

HORIZONTAL SCALE IN FEET
0 20 40

CIP: 540007–100060
PID NUMBER: 110521

INTERCONNECT PLAN – BETHEL RD AT OLENTANGY SQ
INT 4118 – BETHEL RD AT OLENTANGY RIVER RD

CITY OF COLUMBUS TRAFFIC SIGNAL SYSTEM
(CTSS) PHASE F – FINAL SUBMITTAL

90
768

\\colw001\PWWork\Jobs\70202 – CTSS Phase F\TECHPROD\Sheets\CTSS_PhF_Trunk1_BETHEL_INTERCONNECT.dwg – BETHEL–5 layout ~ last saved by: gburch 04/12/2022 10:19pm ~ printed 06/01/2022 11:20pm PSLTS: 1 LTS: 1 CAS: 1:1

ESTIMATED QUANTITIES

SHEET NO.	REFERENCE NO.	LOCATION	STATION		202	625	632	632	632	632	632	632	632	633	633	633									
					EXISTING CONDUIT CLEANED, AS PER PLAN	BRACKET ARM, 6', AS PER PLAN	INTERCONNECT CABLE, MISC.: FIBER OPTIC DROP CABLE, 24 STRAND	INTERCONNECT CABLE, MISC.: FIBER OPTIC FUSION SPLICE	INTERCONNECT CABLE, MISC.: OVERLASH TO EXISTING INTERCONNECT	INTERCONNECT CABLE, MISC.: TERMINATION PANEL, 24 FIBER	INTERCONNECT, MISC.: CAT 5E CABLE, OUTDOOR RATED	MESSENGER WIRE, 7 STRAND, 1/4" DIAMETER WITH ACCESSORIES, AS PER PLAN	ROADSIDE UNIT RADIO, AS PER PLAN	CONTROLLER ITEM, MISC.: CV APPLICATION MODULE	CONTROLLER ITEM, MISC.: FIBER OPTIC ETHERNET TRANSCEIVER, SHORT RANGE	CONTROLLER ITEM, MISC.: POE ENABLED LAYER 2 ETHERNET SWITCH								
			FROM	TO	FT	EACH	FT	EACH	FT	EACH	FT	FT	EACH	EACH	EACH	EACH								
BETHEL RD., INTS 4141 & 4118																									
90	SE A-1	BETHEL RD	157+95, 60' LT				125	24																	
90	IC-1	BETHEL RD	157+95, 60' LT	159+23, 60' LT			127		127																
90	TC-1	BETHEL RD	159+03, 58' LT				20			1	20			1	2	1									
90	EC-3	BETHEL RD	159+03, 58' LT	159+23, 60' LT							20														
90	IC-3	BETHEL RD	159+03, 58' LT	159+23, 60' LT	20		20																		
90	RSU-1	BETHEL RD	159+20, 54' LT										1												
90	EC-1	BETHEL RD	159+20, 54' LT	159+23, 60' LT							6														
90	IC-2	BETHEL RD	159+23, 60' LT				35																		
90	EC-2	BETHEL RD	159+23, 60' LT			1					35														
90	SE A-2	BETHEL RD	164+46, 48' LT				125	24																	
90	IC-4	BETHEL RD	164+46, 48' LT	164+76, 58' LT			33		33																
90	TC-2	BETHEL RD	164+66, 58' LT				20			1	20			1	2	1									
90	IC-6	BETHEL RD	164+66, 58' LT	164+76, 58' LT	10		10																		
90	EC-6	BETHEL RD	164+66, 58' LT	164+76, 58' LT							10														
90	EC-4	BETHEL RD	164+76, 58' LT	166+39, 34' RT							270	242													
90	IC-5	BETHEL RD	164+76, 58' LT				35																		
90	EC-5	BETHEL RD	164+76, 58' LT								35														
90	RSU-2	BETHEL RD	166+39, 34' RT										1												
SHEET TOTAL					30	1	550	48	160	2	416	242	2	2	4	2	-	-	-	-	-	-	-	-	

AERIAL SAG: 1.5% AERIAL SAG IS INCLUDED IN THE QUANTITIES FOR ANY AERIAL FIBER OR CABLE ITEMS.

3676-E

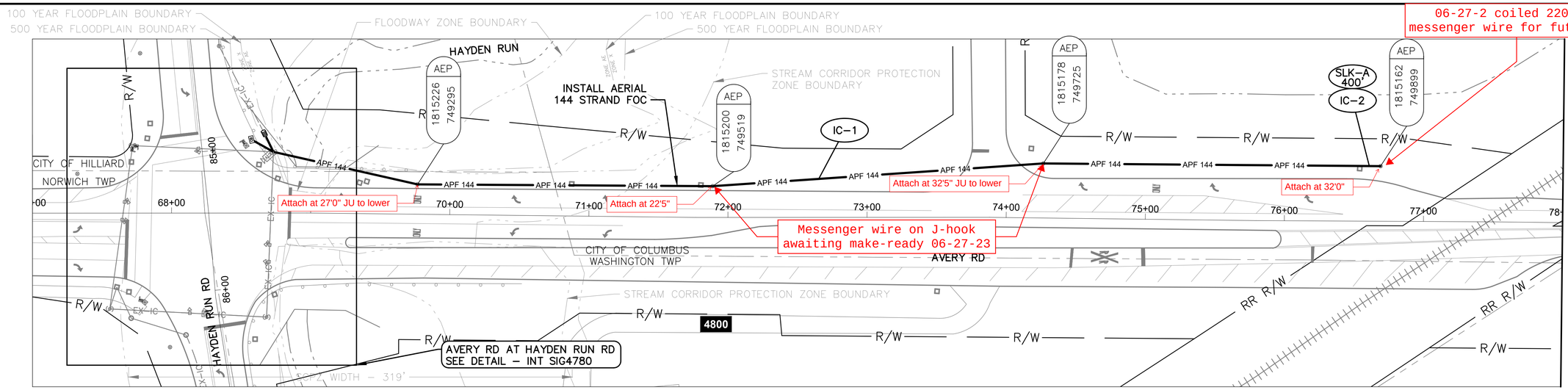
CIP: 540007-100060
PID NUMBER: 110521

CONNECTED VEHICLE ENVIRONMENT
BETHEL RD

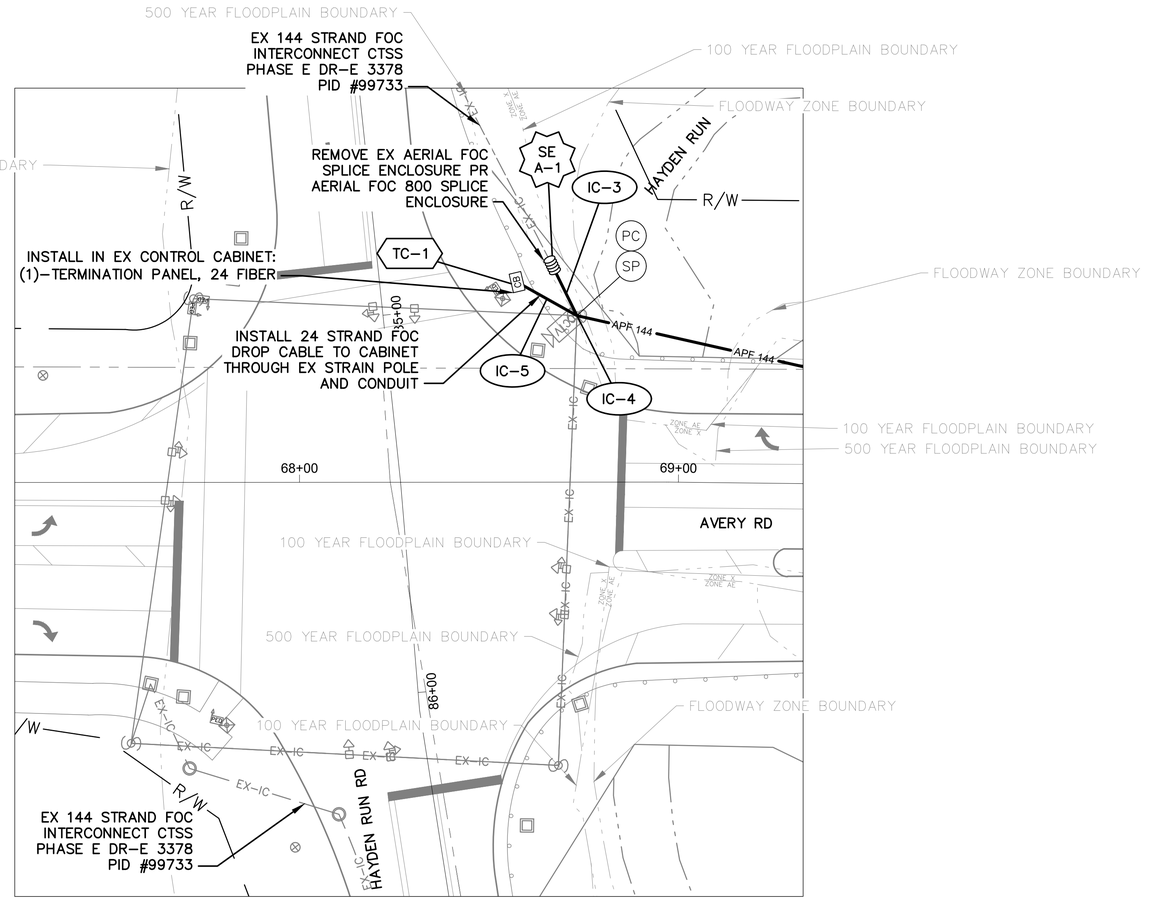
CITY OF COLUMBUS TRAFFIC SIGNAL SYSTEM
(CTSS) PHASE F – FINAL SUBMITTAL

91
768

J:\Jobs\70202 – CTSS Phase F\TECHPROD\Sheets\CTSS_PhF_Trunk1_BETHEL_IC_QUANTITIES.dwg – BETHEL RD-Q3 layout ~ last saved by: gburch 02/22/2022 09:40pm ~ printed 06/02/2022 09:53am PSLTS: 1 LTS: 1 CAS: 1-1



AVERY RD BETWEEN STATION 67+00 AND 78+00



DETAIL - INT SIG4780

0 20 40
HORIZONTAL
SCALE IN FEET

SEE SHEET 535B on page 774 of this document, part of draft revision 6.0

Sheet 535A on page 772 of this document

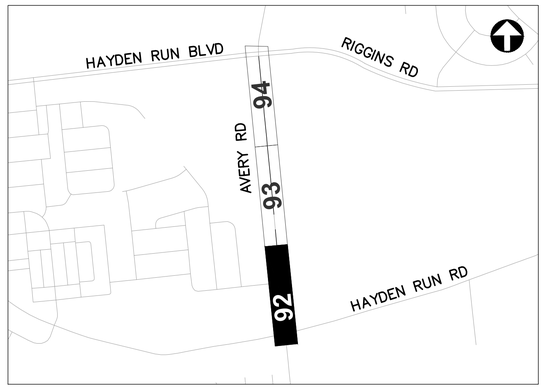
NOTES:

1. SEE SHEET 95 FOR QUANTITIES.
2. SEE SHEETS 457 & 535 FOR COMMUNICATION DETAILS.
3. COORDINATE WITH CITY OF COLUMBUS PROJECT 530103–100057 ARTERIAL STREET REHABILITATION – AVERY ROAD WIDENING DR–E 3713. WORK MAY NOT NEED TO BE PERFORMED DEPENDING ON PROJECT SCHEDULES.

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CITY OF COLUMBUS UTILITY LEGEND

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- ☐ POWER
- ☐ LIGHTING



REFER TO SHEET 8 FOR INTERCONNECT SHEET INDEX

KEY PLAN
NOT TO SCALE

3676-E

0 40 80
HORIZONTAL
SCALE IN FEET

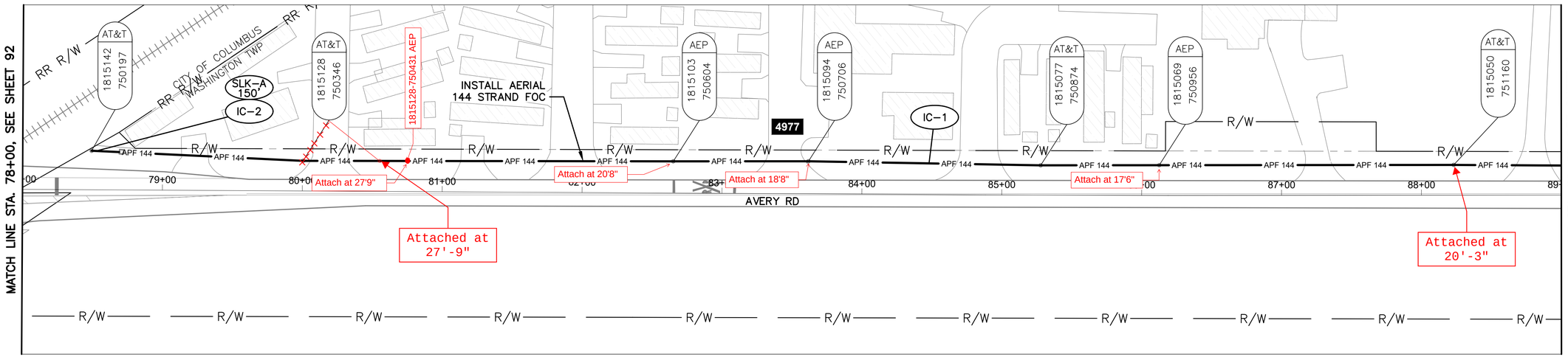
CIP: 540007–100060
PID NUMBER: 110521

INTERCONNECT PLAN
AVERY RD BETWEEN STATION 67+00 AND 78+00, INT SIG4780

CITY OF COLUMBUS TRAFFIC SIGNAL SYSTEM
(CTSS) PHASE F – FINAL SUBMITTAL

92
768

\\colw001\PWWork\Jobs\70202 – CTSS Phase F\TECHPROD\Sheets\CTSS_PhF_Trunk1_AVERY_INTERCONNECT.dwg – AVERY–1 layout ~ last saved by: gburch 05/26/2022 09:59pm ~ printed 06/01/2022 11:25pm PSLTS: 1 LTS: 1 CAS: 1:1



AVERY RD BETWEEN STATION 78+00 AND 89+00

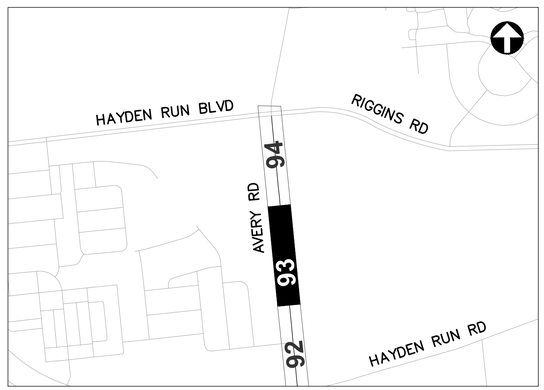
NOTES:

1. SEE SHEET 95 FOR QUANTITIES.
2. SEE SHEET 457 FOR COMMUNICATION DETAILS.
3. COORDINATE WITH CITY OF COLUMBUS PROJECT 530103-100057 ARTERIAL STREET REHABILITATION - AVERY ROAD WIDENING DR-E 3713. WORK MAY NOT NEED TO BE PERFORMED DEPENDING ON PROJECT SCHEDULES.

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- ☐ SEWER
- ☐ WATER
- ☐ POWER
- ☐ LIGHTING



REFER TO SHEET 8 FOR INTERCONNECT SHEET INDEX

KEY PLAN
NOT TO SCALE

3676-E

HORIZONTAL SCALE IN FEET
0 40 80

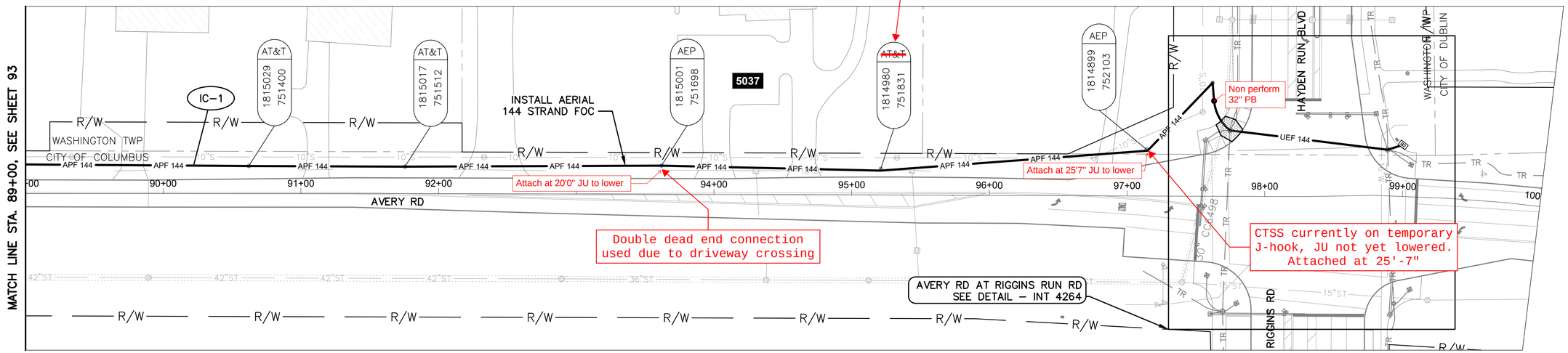
CIP: 540007-100060
PID NUMBER: 110521

INTERCONNECT PLAN
AVERY RD BETWEEN STATION 78+00 AND 89+00

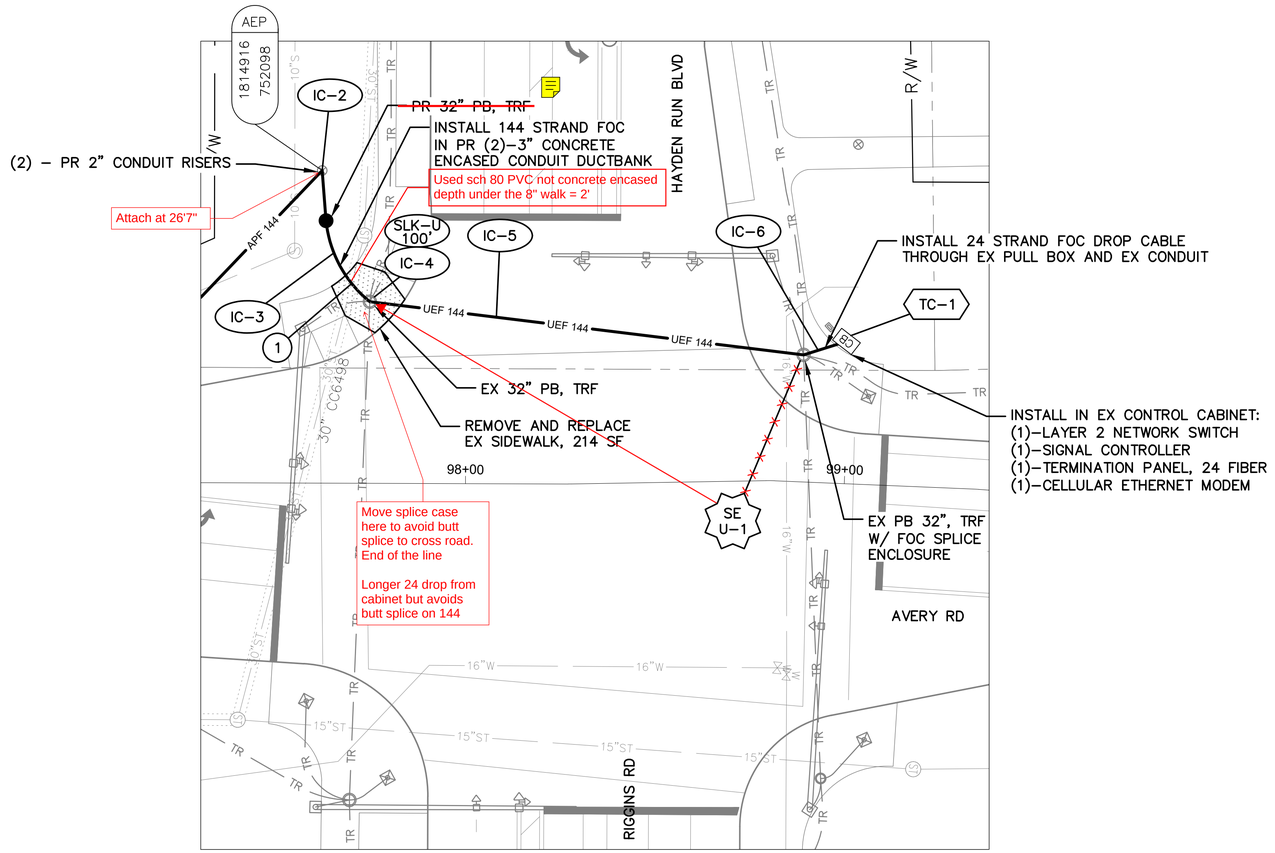
CITY OF COLUMBUS TRAFFIC SIGNAL SYSTEM
(CTSS) PHASE F - FINAL SUBMITTAL

93
768

\\colw001\PWWork\Jobs\70202 - CTSS Phase F\TECHPROD\Sheets\CTSS_PhF_Trunk1_AVERY_INTERCONNECT.dwg - AVERY-2 layout ~ last saved by: gburch 05/26/2022 09:59pm ~ printed 06/01/2022 11:25pm PSLTS: 1 LTS: 1 CAS: 1:1



AVERY RD BETWEEN STATION 89+00 AND 100+00



DETAIL - INT 4264

0 20 40
HORIZONTAL SCALE IN FEET

NOTES:

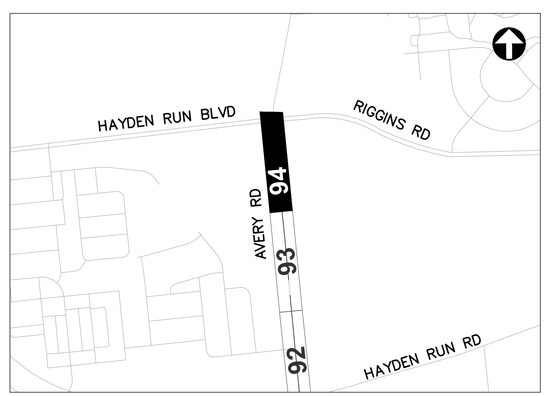
1. SEE SHEET 95 FOR QUANTITIES.
2. SEE SHEETS 457 & 534 FOR COMMUNICATION DETAILS.
3. COORDINATE WITH CITY OF COLUMBUS PROJECT 530103-100057 ARTERIAL STREET REHABILITATION - AVER ROAD WIDENING DR-E 3713. WORK MAY NOT NEED TO BE PERFORMED DEPENDING ON PROJECT SCHEDULES.

(#) EXISTING UTILITY CROSSING. SEE UTILITY CROSSING INFO SHEET 18.

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CITY OF COLUMBUS UTILITY LEGEND

- [x] SEWER
- [ ] WATER
- [ ] POWER
- [ ] LIGHTING



REFER TO SHEET 8 FOR INTERCONNECT SHEET INDEX

KEY PLAN
NOT TO SCALE

3676-E

0 40 80
HORIZONTAL SCALE IN FEET

CIP: 540007-100060
PID NUMBER: 110521

INTERCONNECT PLAN
AVERY RD BETWEEN STATION 89+00 AND 100+00, INT 4264

CITY OF COLUMBUS TRAFFIC SIGNAL SYSTEM
(CTSS) PHASE F - FINAL SUBMITTAL

94
768

\\colw00\PMWork\Jobs\70202 - CTSS Phase F\TECHPROD\Sheets\CTSS_PhF_Trunk1_AVERY_INTERCONNECT.dwg - AVERY-3 layout ~ last saved by: gburch 05/26/2022 09:59pm ~ printed 06/01/2022 11:27pm PSLTS: 1 LTS: 1 CAS: 1:1

ESTIMATED QUANTITIES

SHEET NO.	REFERENCE NO.	LOCATION	STATION		202	202	608	625	625	625	632	632	632	632	632	632	632	632	632	633	633		
					EXISTING CONDUIT CLEANED, AS PER PLAN	WALK REMOVED	8" CONCRETE WALK	CONDUIT, CONCRETE ENCASED, 2-3", 725.051, AS PER PLAN	PULL BOX, CONCRETE 32", AS PER PLAN	TRENCH, 36" DEEP, AS PER PLAN	CONDUIT RISER, 2", 725.04, AS PER PLAN	INTERCONNECT CABLE, MISC.: FIBER OPTIC CABLE, 144 STRAND	INTERCONNECT CABLE, MISC.: FIBER OPTIC DROP CABLE, 24 STRAND	INTERCONNECT CABLE, MISC.: FIBER OPTIC FUSION SPLICE	INTERCONNECT CABLE, MISC.: OVERLASH TO EXISTING INTERCONNECT	INTERCONNECT CABLE, MISC.: TERMINATION PANEL, 24 FIBER	INTERCONNECT, MISC.: SPLICE ENCLOSURE, DOME, 288 SPLICE	INTERCONNECT, MISC.: SPLICE ENCLOSURE, DOME, 800 SPLICE	MESSENGER WIRE, 7 STRAND, 1/4" DIAMETER WITH ACCESSORIES, AS PER PLAN	SIGNALIZATION, MISC.: CELLULAR ETHERNET COMMUNICATIONS UNIT	CONTROLLER ITEM, MISC.: LAYER 2 ETHERNET SWITCH	CONTROLLER UNIT, TYPE TS2/A2, AS PER PLAN		
			FROM	TO	FT	SF	SF	FT	EACH	FT	EACH	FT	FT	EACH	FT	EACH	EACH	EACH	FT	EACH	EACH	EACH		
AVERY RD. BETWEEN STA. 67+00 AND 78+00, INT SIG4780																							
92	TC-1	AVERY RD	68+58, 53' LT										20			1							
92	IC-5	AVERY RD	68+58, 53' LT	68+73, 44' LT	18								18										
92	SE A-1	AVERY RD	68+67, 57' LT									75	125	12				1					
92	IC-1	AVERY RD	68+67, 57' LT	76+69, 40' LT								829							829				
92	IC-3	AVERY RD	68+67, 57' LT	68+73, 44' LT								15			15								
92	IC-4	AVERY RD	68+73, 44' LT										35										
92	IC-2	AVERY RD	76+61, 40' LT									400											
AVERY RD. BETWEEN STA. 78+00 AND 89+00																							
93	IC-1	AVERY RD	78+48, 20' LT	89+00, 22' LT								1,068							1,068				
93	IC-2	AVERY RD	78+48, 20' LT									35											
AVERY RD. BETWEEN STA. 89+00 AND 100+00, INT 4264																							
94	IC-1	AVERY RD	89+00, 22' LT	97+62, 83' LT								897							897				
94	IC-2	AVERY RD	97+62, 83' LT								2	35											
94	IC-3	AVERY RD	97+62, 83' LT	97+75, 48' LT		49 ~~214~~	214	74 38		~~1~~ 30 ~~38~~		38											
94	IC-4	AVERY RD	97+75, 48' LT									100											
94	IC-5	AVERY RD	97+75, 48' LT	98+88, 34' LT	115							115											
94	SE U-1	AVERY RD	98+88, 34' LT									75	125	12			1						
94	IC-6	AVERY RD	98+88, 34' LT	98+99, 38' LT									12										
94	TC-1	AVERY RD	98+99, 38' LT										20			1				1	1	1	
SHEET TOTAL					133	214	214	38	1	38	2	3,682	355	24	15	2	1	1	2,794	1	1	1	-	-

AERIAL SAG: 1.5% AERIAL SAG IS INCLUDED IN THE QUANTITIES FOR ANY AERIAL FIBER OR CABLE ITEMS.

3676-E

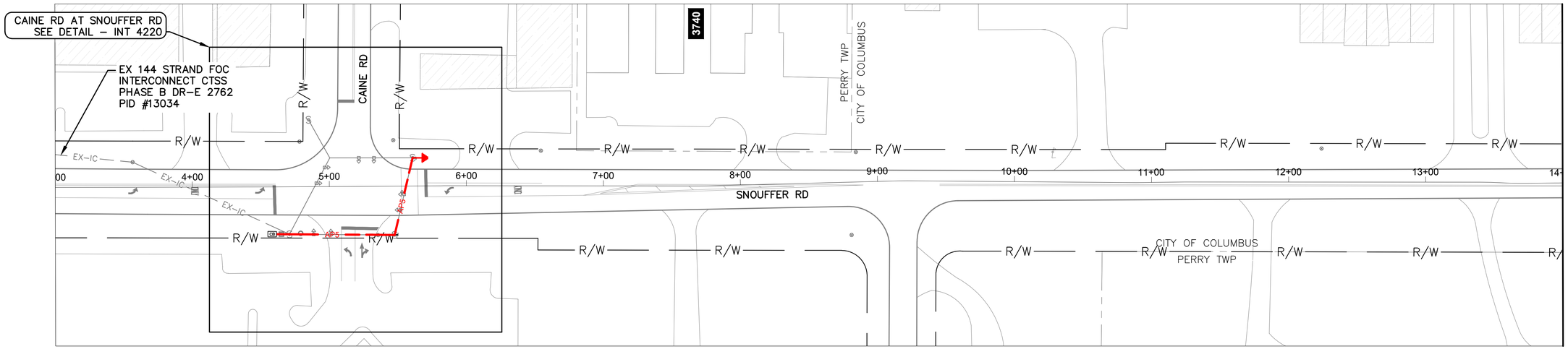
CIP: 540007-100060
PID NUMBER: 110521

AVERY RD BETWEEN STA. 67+00 & 100+00
INTS SIG4780 AND 4264

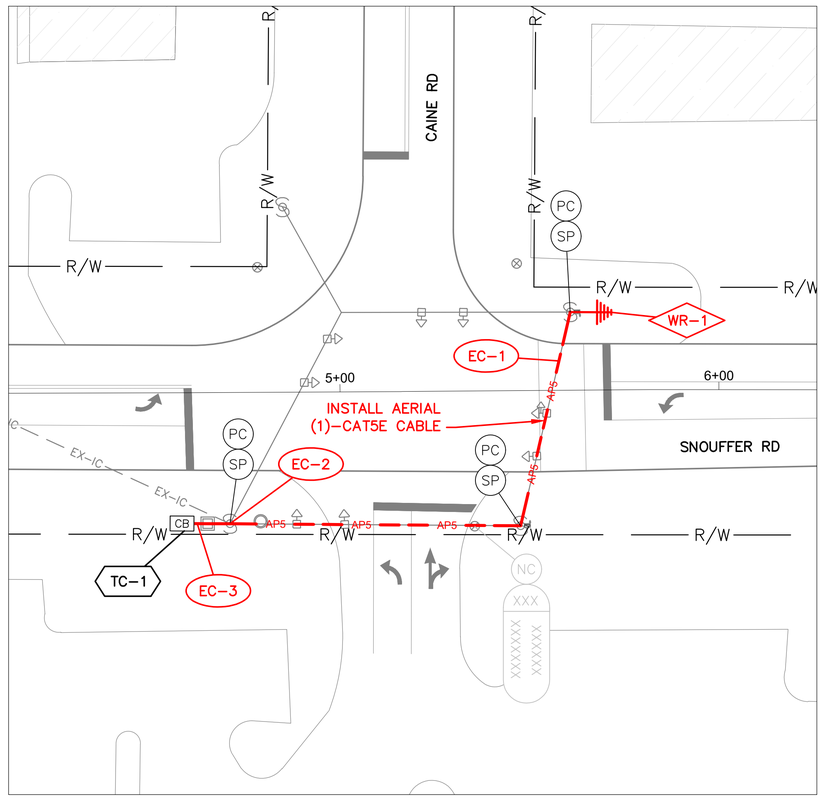
CITY OF COLUMBUS TRAFFIC SIGNAL SYSTEM
(CTSS) PHASE F – FINAL SUBMITTAL

95
768

J:\Jobs\70202 – CTSS Phase F\TECHPROD\Sheets\CTSS_PhF_Trunk1_AVERY_IC_QUANTITIES.dwg – AVERY RD–Q1 layout ~ last saved by: robevans 02/22/2022 09:41pm ~ printed 06/02/2022 09:54am PSLTS: 1 LTS: 1 CAS: 1:1



SNOUFFER RD BETWEEN STATION 3+00 AND 14+00



DETAIL - INT 4220

0 20 40
HORIZONTAL
SCALE IN FEET

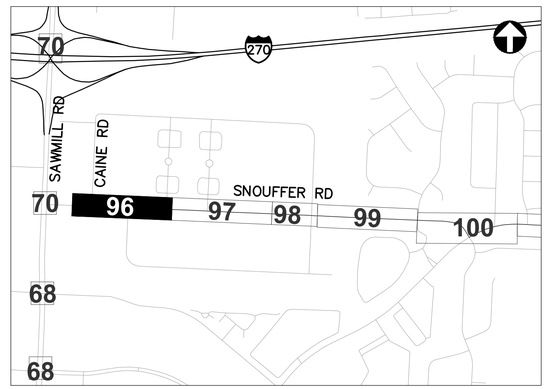
NOTES:

1. SEE SHEET 103 FOR QUANTITIES.
2. SEE SHEETS 452 & 528 FOR COMMUNICATION DETAILS.

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CITY OF COLUMBUS UTILITY LEGEND

- ☐ SEWER
- ☐ WATER
- ☐ POWER
- ☐ LIGHTING



REFER TO SHEET 6 FOR
INTERCONNECT SHEET INDEX

KEY PLAN
NOT TO SCALE

⚠1 REVISION 1.0

3676-E

0 40 80
HORIZONTAL
SCALE IN FEET

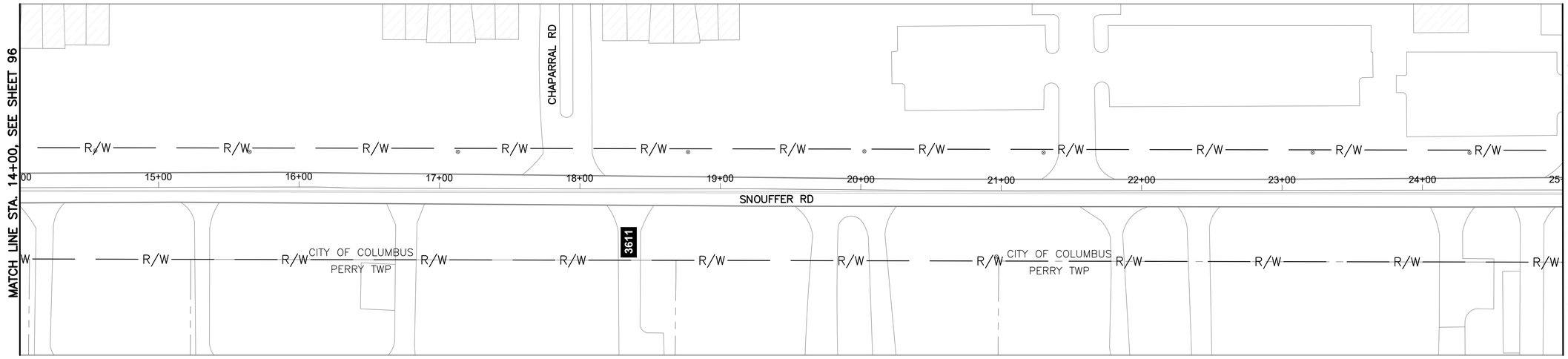
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PID NUMBER: 110521

INTERCONNECT PLAN
SNOUFFER RD BETWEEN STA. 3+00 AND 14+00, INT 4220

CITY OF COLUMBUS TRAFFIC SIGNAL SYSTEM
(CTSS) PHASE F – FINAL SUBMITTAL

96
768

J:\Jobs\70202 – CTSS Phase F\TECHPROD\Sheets\CTSS_PhF_Trunk1_SNOUFFER_INTERCONNECT.dwg – SNOUFFER-1 layout ~ last saved by: gburch 10/10/2022 08:22am ~ printed 10/10/2022 08:44am PSLTS: 1 LTS: 1 CAS: 1:1



SNOUFFER RD BETWEEN STATION 14+00 AND 25+00

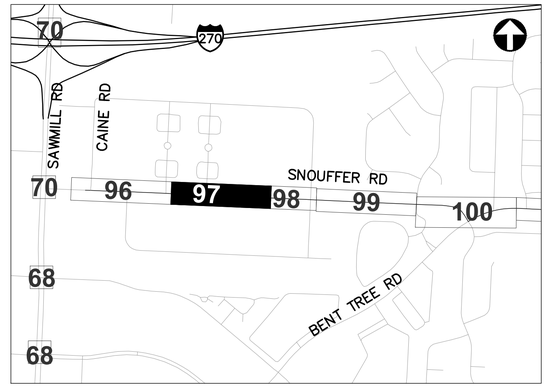
NOTES:

1. NO WORK ON THIS SHEET. FOR REFERENCE ONLY. ⚠1

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CITY OF COLUMBUS UTILITY LEGEND

- ☐ SEWER
- ☐ WATER
- ☐ POWER
- ☐ LIGHTING



REFER TO SHEET 6 FOR INTERCONNECT SHEET INDEX

KEY PLAN
NOT TO SCALE

⚠1 REVISION 1.0

3676-E

HORIZONTAL SCALE IN FEET
0 40 80

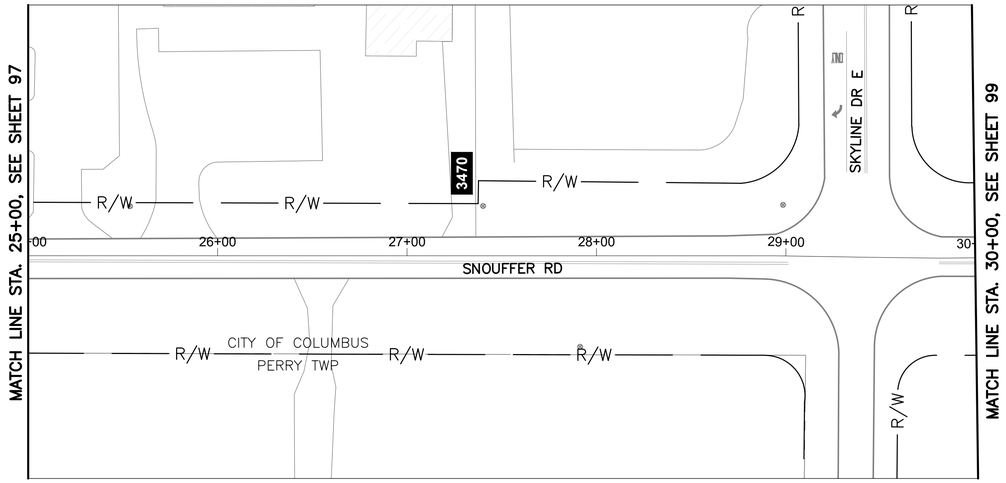
CIP: 540007-100060
PID NUMBER: 110521

INTERCONNECT PLAN
SNOUFFER RD BETWEEN STA. 14+00 AND 25+00

CITY OF COLUMBUS TRAFFIC SIGNAL SYSTEM
(CTSS) PHASE F – FINAL SUBMITTAL

97
768

J:\Jobs\70202 - CTSS Phase F\TECHPROD\Sheets\CTSS_PhF_Trunk1_SNOUFFER_INTERCONNECT.dwg - SNOUFFER-2 layout ~ last saved by gburch 06/22/2022 11:34am ~ printed 06/22/2022 11:38am PSLTS: 1 LTS: 1 CAS: 1:1



SNOUFFER RD BETWEEN STATION 25+00 AND 30+00

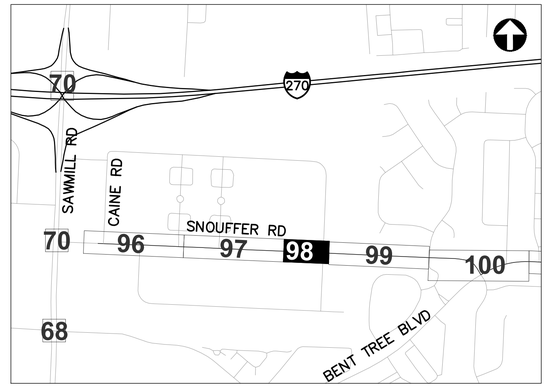
NOTES:

1. NO WORK ON THIS SHEET. FOR REFERENCE ONLY. ⚠1

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CITY OF COLUMBUS UTILITY LEGEND

- ☐ SEWER
- ☐ WATER
- ☐ POWER
- ☐ LIGHTING



REFER TO SHEET 6 FOR INTERCONNECT SHEET INDEX

KEY PLAN
NOT TO SCALE

⚠1 REVISION 1.0

3676-E

HORIZONTAL SCALE IN FEET
0 40 80

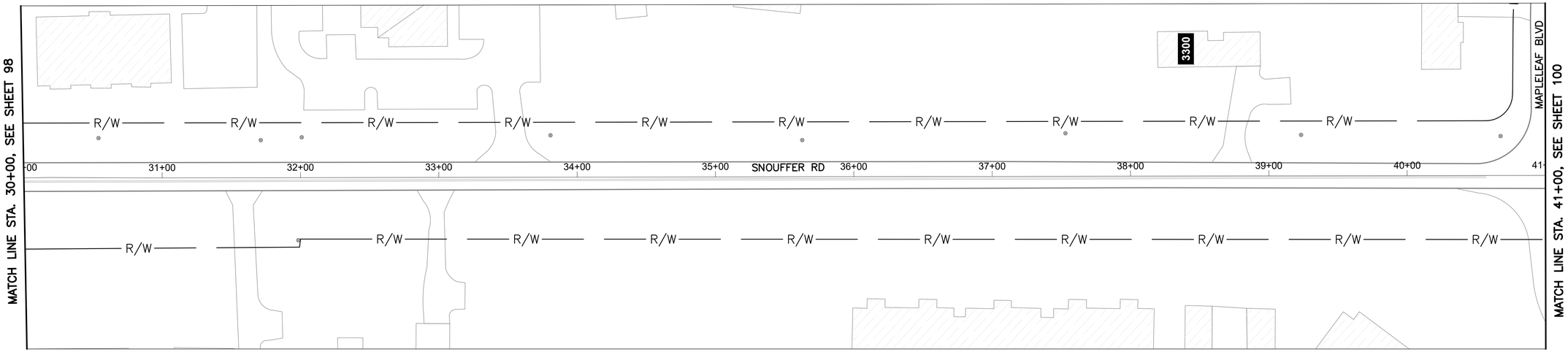
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INTERCONNECT PLAN
SNOUFFER RD BETWEEN STA. 25+00 AND 30+00

CITY OF COLUMBUS TRAFFIC SIGNAL SYSTEM
(CTSS) PHASE F – FINAL SUBMITTAL

98
768

J:\Jobs\70202 - CTSS Phase F\TECHPROD\Sheets\CTSS_PhF_Trunk1_SNOUFFER_INTERCONNECT.dwg - SNOUFFER-3 layout ~ last saved by gburch 06/22/2022 11:34am ~ printed 06/22/2022 11:39am PSLTS: 1 LTS: 1 CAS: 1:1



SNOUFFER RD BETWEEN STATION 30+00 AND 41+00

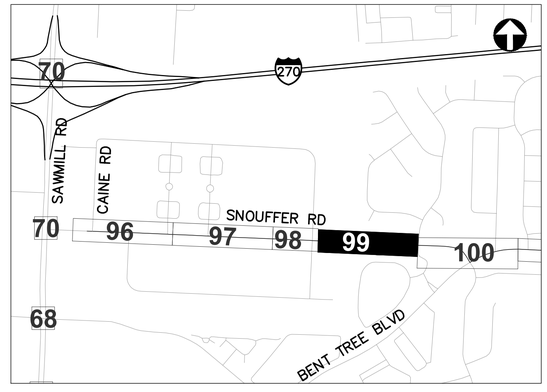
NOTES:

1. NO WORK ON THIS SHEET. FOR REFERENCE ONLY. ⚠1

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CITY OF COLUMBUS UTILITY LEGEND

- ☐ SEWER
- ☐ WATER
- ☐ POWER
- ☐ LIGHTING



REFER TO SHEET 6 FOR INTERCONNECT SHEET INDEX

KEY PLAN
NOT TO SCALE

⚠1 REVISION 1.0

3676-E

HORIZONTAL SCALE IN FEET
0 40 80

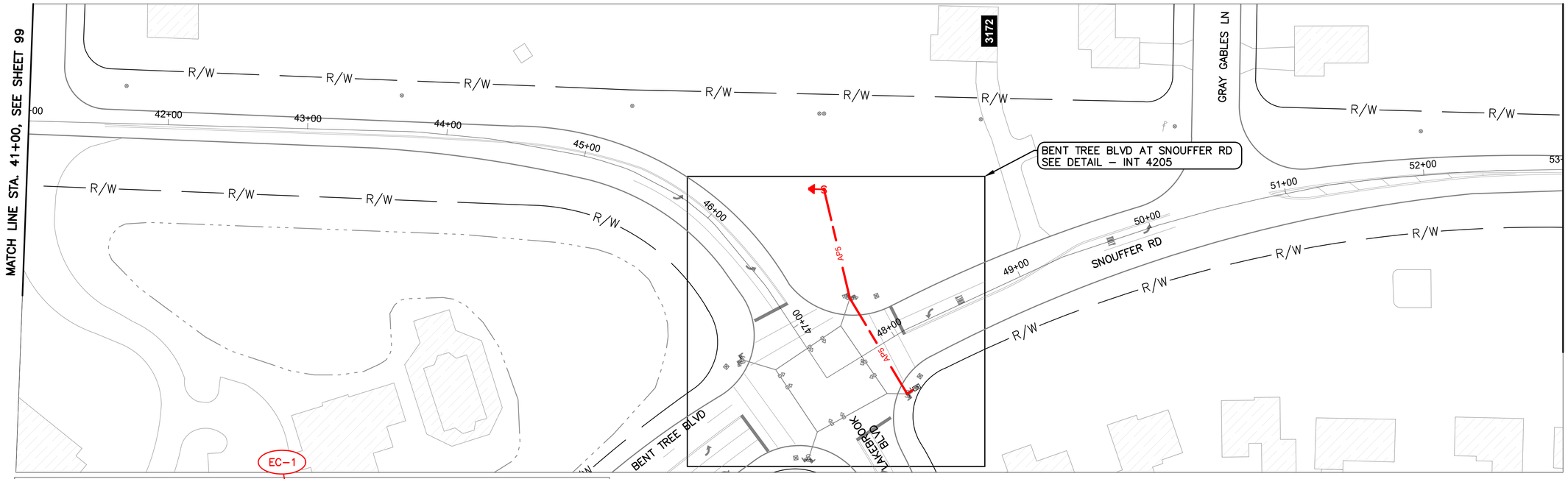
CIP: 540007-100060
PID NUMBER: 110521

INTERCONNECT PLAN
SNOUFFER RD BETWEEN STA. 30+00 AND 41+00

CITY OF COLUMBUS TRAFFIC SIGNAL SYSTEM
(CTSS) PHASE F – FINAL SUBMITTAL

99
768

J:\Jobs\70202 - CTSS Phase F\TECHPROD\Sheets\CTSS_PhF_Trunk1_SNOUFFER_INTERCONNECT.dwg - SNOUFFER-4 layout ~ last saved by gburch 06/22/2022 11:34am ~ printed 06/22/2022 11:39am PSLTS: 1 LTS: 1 CAS: 1:1



SNOUFFER RD BETWEEN STATION 41+00 AND 53+00

DETAIL - INT 4205

0 20 40
HORIZONTAL
SCALE IN FEET

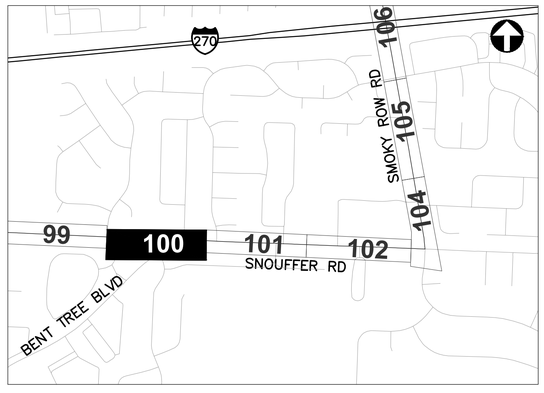
NOTES:

1. SEE SHEET 103 FOR QUANTITIES.
2. SEE SHEETS 452 & 529 FOR COMMUNICATION DETAILS.

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CITY OF COLUMBUS
UTILITY LEGEND

- ☐ SEWER
- ☐ WATER
- ☐ POWER
- ☐ LIGHTING



REFER TO SHEET 6 FOR
INTERCONNECT SHEET INDEX

KEY PLAN
NOT TO SCALE

⚠1 REVISION 1.0

3676-E

0 40 80
HORIZONTAL
SCALE IN FEET

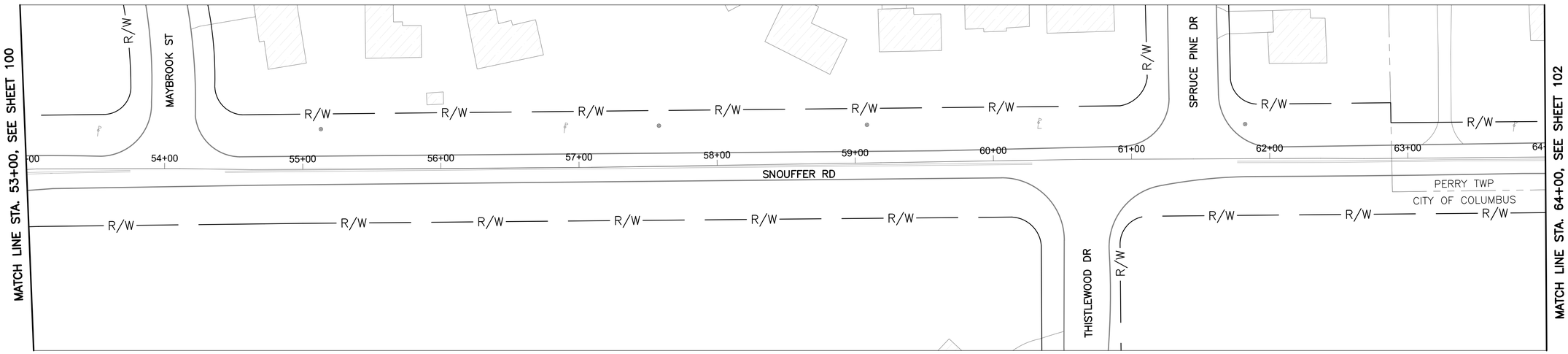
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PID NUMBER: 110521

INTERCONNECT PLAN
SNOUFFER RD BETWEEN STA. 41+00 AND 53+00, INT 4205

CITY OF COLUMBUS TRAFFIC SIGNAL SYSTEM
(CTSS) PHASE F – FINAL SUBMITTAL

100
768

J:\Jobs\70202 – CTSS Phase F\TECHPROD\Sheets\CTSS_PhF_Trunk1_SNOUFFER_INTERCONNECT.dwg – SNOUFFER–5 layout ~ last saved by: gburch 10/10/2022 08:22am ~ printed 10/10/2022 08:43am PSLTS: 1 LTS: 1 CAS: 1:1



SNOUFFER RD BETWEEN STATION 53+00 AND 64+00

NOTES:

1. NO WORK ON THIS SHEET. FOR REFERENCE ONLY. ⚠1

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CITY OF COLUMBUS UTILITY LEGEND

- ☐ SEWER
- ☐ WATER
- ☐ POWER
- ☐ LIGHTING



REFER TO SHEET 6 FOR INTERCONNECT SHEET INDEX

KEY PLAN
NOT TO SCALE

⚠1 REVISION 1.0

3676-E

HORIZONTAL SCALE IN FEET
0 40 80

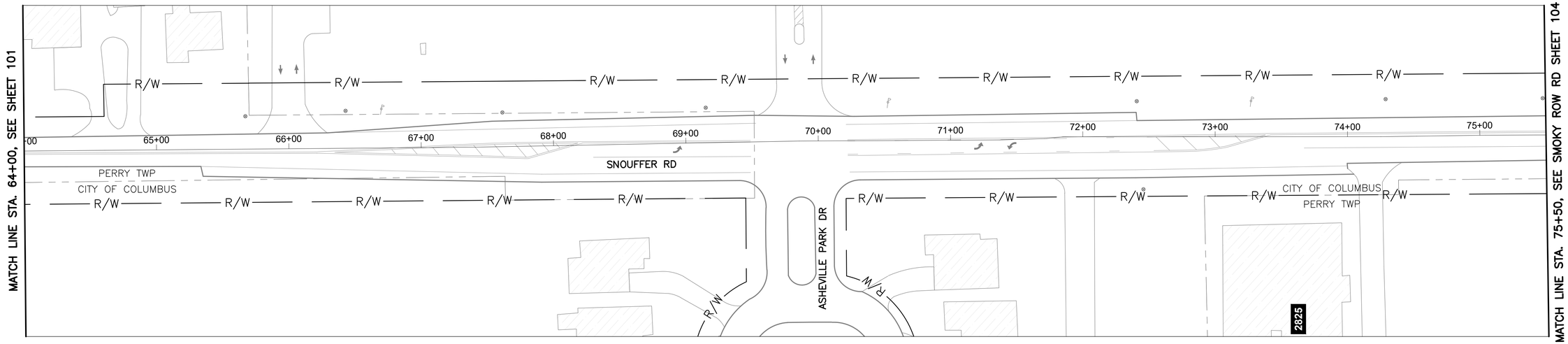
CIP: 540007-100060
PID NUMBER: 110521

INTERCONNECT PLAN
SNOUFFER RD BETWEEN STA. 53+00 AND 64+00

CITY OF COLUMBUS TRAFFIC SIGNAL SYSTEM
(CTSS) PHASE F – FINAL SUBMITTAL

101
768

J:\Jobs\70202 - CTSS Phase F\TECHPROD\Sheets\CTSS_PhF_Trunk1_SNOUFFER_INTERCONNECT.dwg - SNOUFFER-6 layout ~ last saved by gburch 06/22/2022 11:34am ~ printed 06/22/2022 11:41am PSLTS: 1 LTS: 1 CAS: 1:1



SNOUFFER RD BETWEEN STATION 64+00 AND 75+50

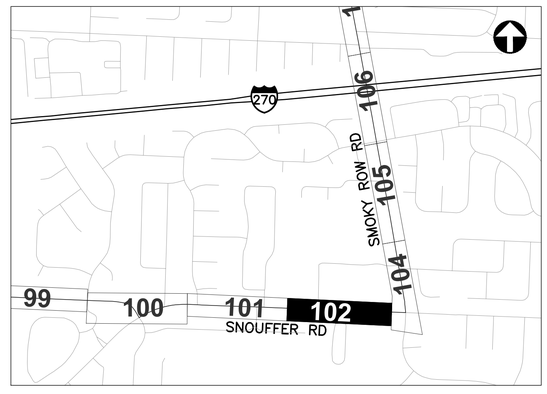
NOTES:

1. NO WORK ON THIS SHEET. FOR REFERENCE ONLY. ⚠1

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CITY OF COLUMBUS UTILITY LEGEND

- ☐ SEWER
- ☐ WATER
- ☐ POWER
- ☐ LIGHTING



REFER TO SHEET 6 FOR INTERCONNECT SHEET INDEX

KEY PLAN
NOT TO SCALE

⚠1 REVISION 1.0

3676-E

HORIZONTAL SCALE IN FEET
0 40 80

CIP: 540007-100060
PID NUMBER: 110521

INTERCONNECT PLAN
SNOUFFER RD BETWEEN STA. 64+00 AND 75+50

CITY OF COLUMBUS TRAFFIC SIGNAL SYSTEM
(CTSS) PHASE F – FINAL SUBMITTAL

102
768

J:\Jobs\70202 - CTSS Phase F\TECHPROD\Sheets\CTSS_PhF_Trunk1_SNOUFFER_INTERCONNECT.dwg - SNOUFFER-7 layout ~ last saved by gburch 06/22/2022 11:34am ~ printed 06/22/2022 11:42am PSLTS: 1 LTS: 1 CAS: 1:1

ESTIMATED QUANTITIES

SHEET NO.	REFERENCE NO.	LOCATION	STATION FROM	STATION TO	202 EXISTING CONDUIT CLEANED, AS PER PLAN FT	632 INTERCONNECT, MISC.: CAT 5E CABLE, OUTDOOR RATED FT	632 MESSENGER WIRE, 7 STRAND, 1/4" DIAMETER WITH ACCESSORIES, AS PER PLAN FT	632 SPREAD SPECTRUM RADIO, AS PER PLAN EACH	632 STRAIN POLE, DESIGN NO. 6 EACH	632 STRAIN POLE FOUNDATION, DESIGN NO. 6 EACH	633 CONTROLLER ITEM, MISC.: LAYER 2 ETHERNET SWITCH EACH	633 CONTROLLER UNIT, TYPE TS2/A2, AS PER PLAN EACH
SNOUFFER RD. BETWEEN STA. 3+00 AND 14+00, INT 4220												
96	TC-1	SNOUFFER RD	4+58, 35' RT			20						
96	EC-3	SNOUFFER RD	4+58, 35' RT	4+71, 35' RT	13	13						
96	EC-2	SNOUFFER RD	4+71, 35' RT			35						
96	EC-1	SNOUFFER RD	4+71, 35' RT	5+61, 21' LT		137	137					
96	WR-1	SNOUFFER RD	5+61, 21' LT					1				
SNOUFFER RD. BETWEEN STA. 41+00 AND 53+00, INT 4205												
100	WR-1	SNOUFFER RD	46+38, 76' LT					1				
100	EC-1	SNOUFFER RD	46+38, 76' LT			35			1	1		
100	EC-2	SNOUFFER RD	46+38, 76' LT	47+86, 40' RT		162	162					
100	EC-3	SNOUFFER RD	47+86, 40' RT			35						
100	EC-4	SNOUFFER RD	47+86, 40' RT	47+94, 40' RT	8	8						
100	TC-1	SNOUFFER RD	47+94, 40' RT			20					1	1
										1		
SHEET TOTAL					21	465	299	2	1	1	1	1
										1		

AERIAL SAG: 1.5% AERIAL SAG IS INCLUDED IN THE QUANTITIES FOR ANY AERIAL FIBER OR CABLE ITEMS.

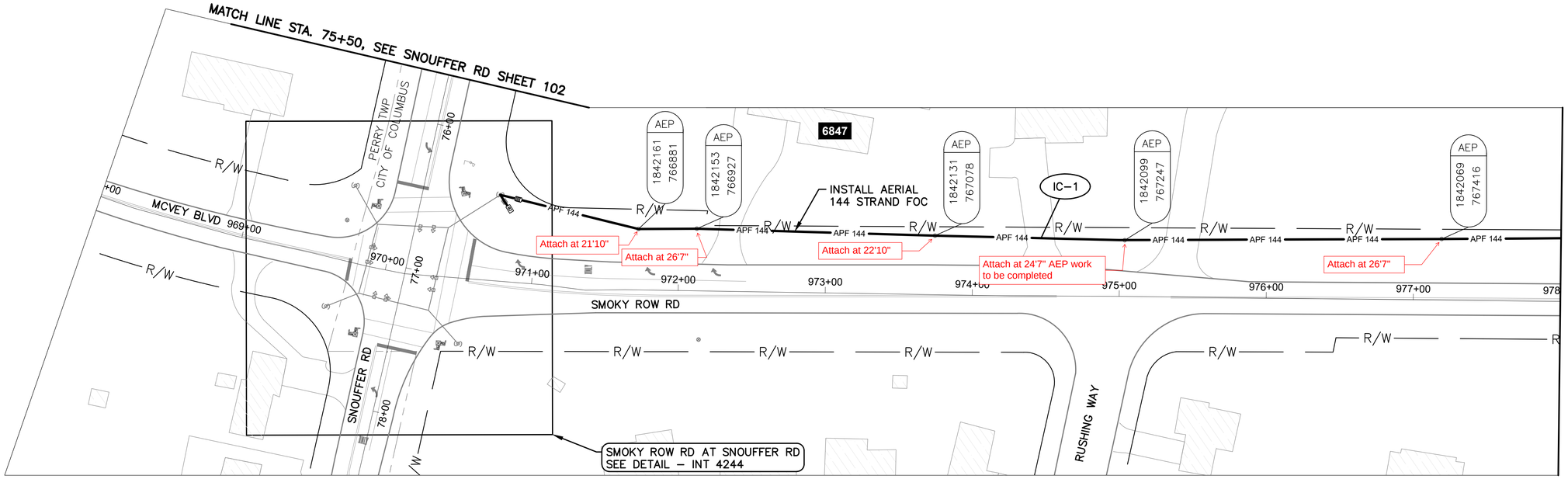
1 REVISION 1.0 **3676-E**

CIP: 540007-100060
PID NUMBER: 110521

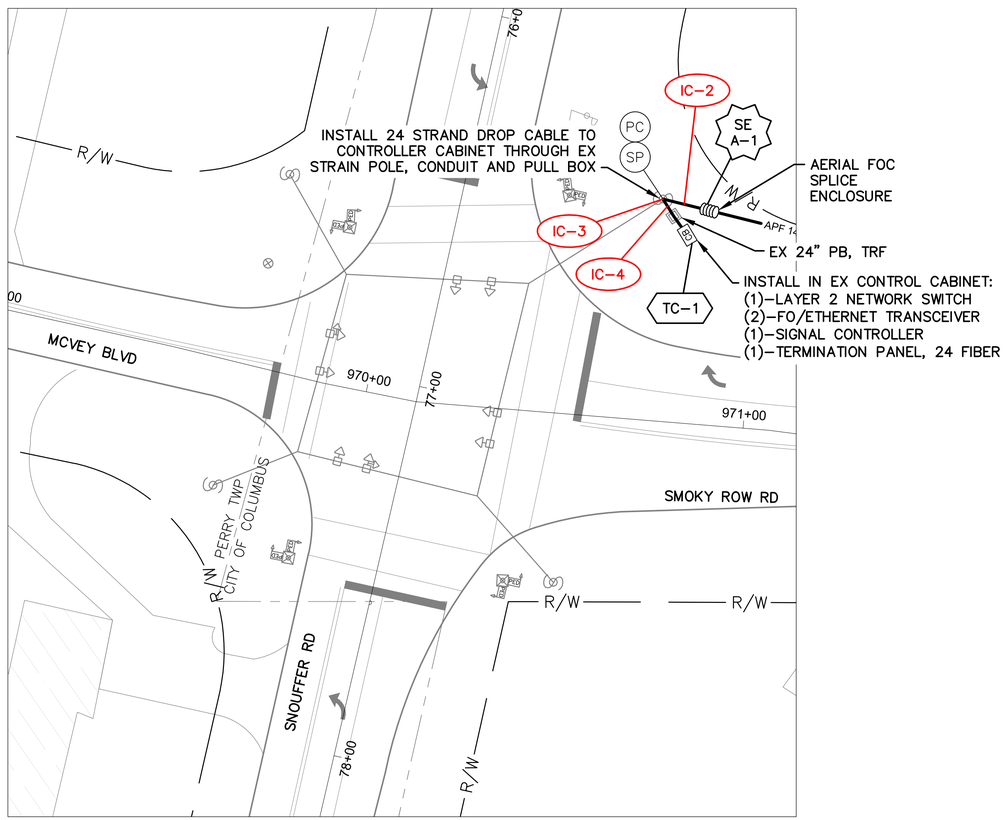
SNOUFFER RD BETWEEN STA. 3+00 & 75+50
INTS 4220 AND 4205

CITY OF COLUMBUS TRAFFIC SIGNAL SYSTEM
(CTSS) PHASE F – FINAL SUBMITTAL

J:\Jobs\70202 – CTSS Phase F\TECHPROD\Sheets\CTSS_PhF_Trunk1_SNOUFFER_IC_QUANTITIES.dwg – SNOUFFER RD-Q1 layout ~ last saved by: gburch 10/13/2022 10:48am ~ printed 10/13/2022 10:49am PSLTS: 1 LTS: 1 CAS: 1:1



SMOKY ROW RD BETWEEN STATION 968+00 AND 978+00



DETAIL - INT 4244

0 20 40
HORIZONTAL
SCALE IN FEET

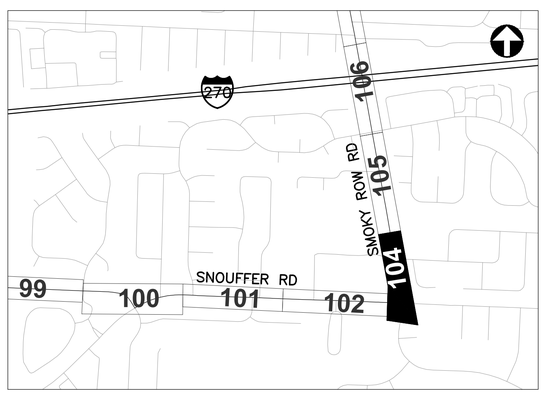
NOTES:

1. SEE SHEET 109 FOR QUANTITIES.
2. SEE SHEETS 452 & 530 FOR COMMUNICATION DETAILS.

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CITY OF COLUMBUS UTILITY LEGEND

- ☐ SEWER
- ☐ WATER
- ☐ POWER
- ☐ LIGHTING



REFER TO SHEET 6 FOR INTERCONNECT SHEET INDEX

KEY PLAN
NOT TO SCALE

1 REVISION 1.0

3676-E

0 40 80
HORIZONTAL
SCALE IN FEET

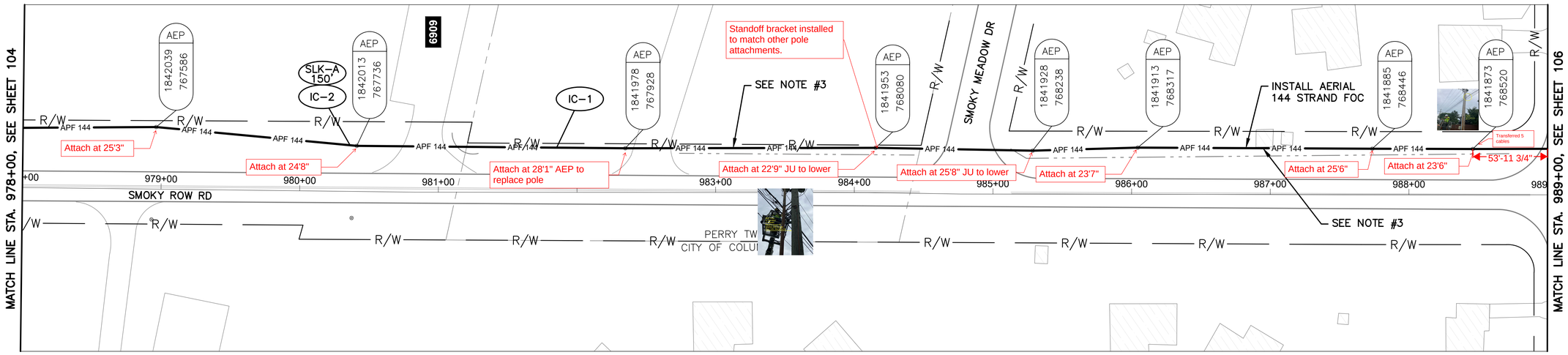
CIP: 540007–100060
PID NUMBER: 110521

INTERCONNECT PLAN
SMOKY ROW RD BETWEEN STA. 968+00 AND 978+00, INT 4244

CITY OF COLUMBUS TRAFFIC SIGNAL SYSTEM
(CTSS) PHASE F – FINAL SUBMITTAL

104
768

J:\Jobs\70202 – CTSS Phase F\TECHPROD\Sheets\CTSS_PhF_Trunk1_SMOKY_ROW_INTERCONNECT.dwg – SMOKY-ROW-1 layout ~ last saved by: gburch 10/10/2022 08:24am ~ printed 10/10/2022 08:24am PSLTS: 1 LTS: 1 CAS: 1:1



SMOKY ROW RD BETWEEN STATION 978+00 AND 989+00

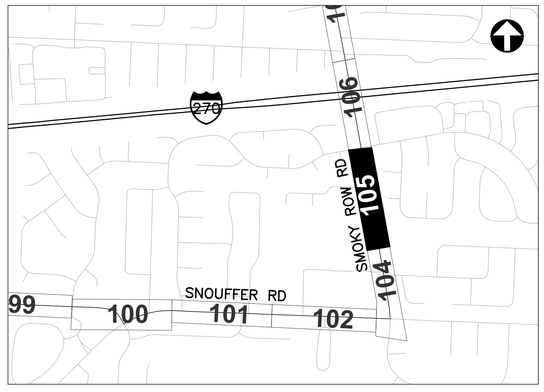
NOTES:

1. SEE SHEET 109 FOR QUANTITIES.
2. SEE SHEET 452 FOR COMMUNICATION DETAILS.
3. INSTALL CABLE GUARD WHERE AERIAL OBSTRUCTIONS ARE PRESENT.

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CITY OF COLUMBUS UTILITY LEGEND

- ☐ SEWER
- ☐ WATER
- ☐ POWER
- ☐ LIGHTING



REFER TO SHEET 6 FOR INTERCONNECT SHEET INDEX

KEY PLAN
NOT TO SCALE

3676-E

HORIZONTAL SCALE IN FEET
0 40 80

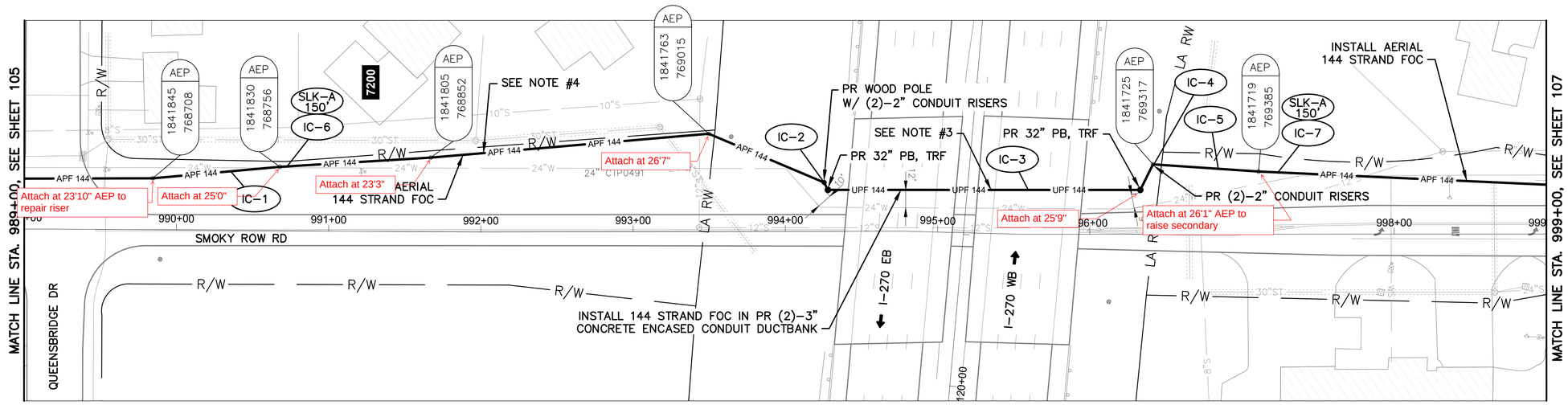
CIP: 540007-100060
PID NUMBER: 110521

INTERCONNECT PLAN
SMOKY ROW RD BETWEEN STA. 978+00 AND 989+00

CITY OF COLUMBUS TRAFFIC SIGNAL SYSTEM
(CTSS) PHASE F – FINAL SUBMITTAL

105
768

\\colw001\PWork\Jobs\70202 - CTSS Phase F\TECHPROD\Sheets\CTSS_PhF_Trunk1_SMOKY_ROW_INTERCONNECT.dwg - SMOKY-ROW-2 layout ~ last saved by: nseling 02/22/2022 09:41pm ~ printed 06/01/2022 11:34am PSLTS: 1 LTS: 1 CAS: 1:1



SMOKY ROW RD BETWEEN STATION 989+00 AND 999+00

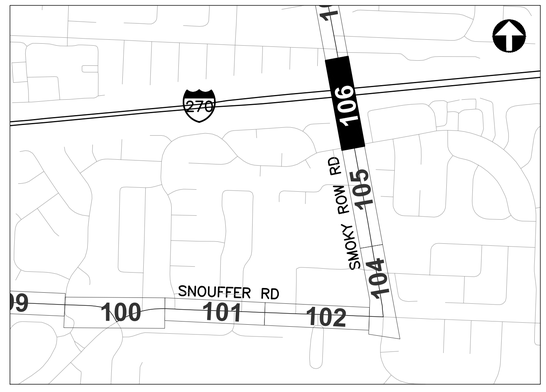
NOTES:

1. SEE SHEET 109 FOR QUANTITIES.
2. SEE SHEET 452 FOR COMMUNICATION DETAILS.
3. PROPOSED UPF 144 STRAND TO BE TRENCHED BETWEEN CONCRETE SLOPE PROTECTION AND MULTI COLUMN PIER. TRENCH AS CLOSE TO THE CONCRETE SLOPE PROTECTION AS POSSIBLE.
4. INSTALL CABLE GUARD WHERE AERIAL OBSTRUCTIONS ARE PRESENT.

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CITY OF COLUMBUS UTILITY LEGEND

☒	SEWER
☒	WATER
☐	POWER
☐	LIGHTING



REFER TO SHEET 6 FOR INTERCONNECT SHEET INDEX

KEY PLAN
NOT TO SCALE

3676-E

HORIZONTAL SCALE IN FEET
0 40 80

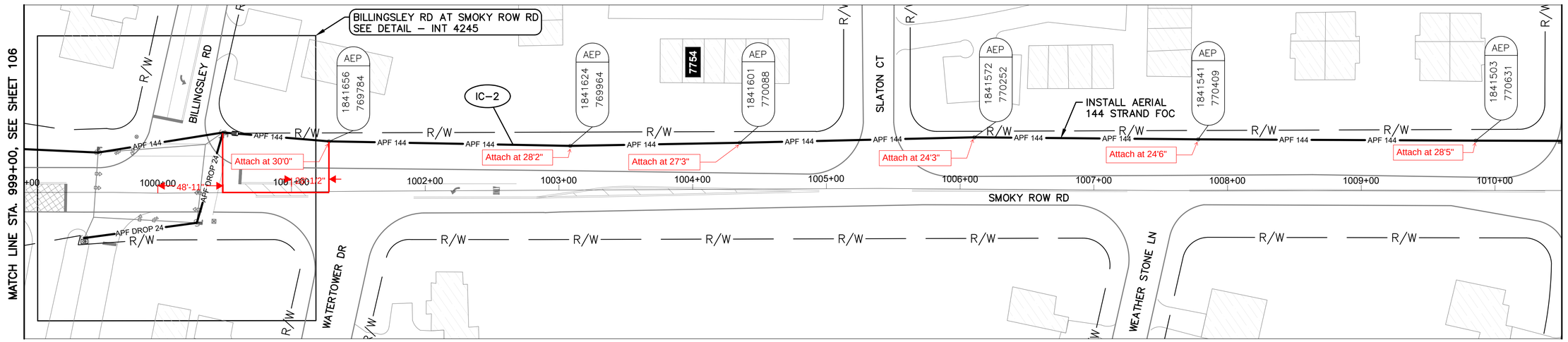
CIP: 540007-100060
PID NUMBER: 110521

INTERCONNECT PLAN
SMOKY ROW RD BETWEEN STA. 989+00 AND 999+00

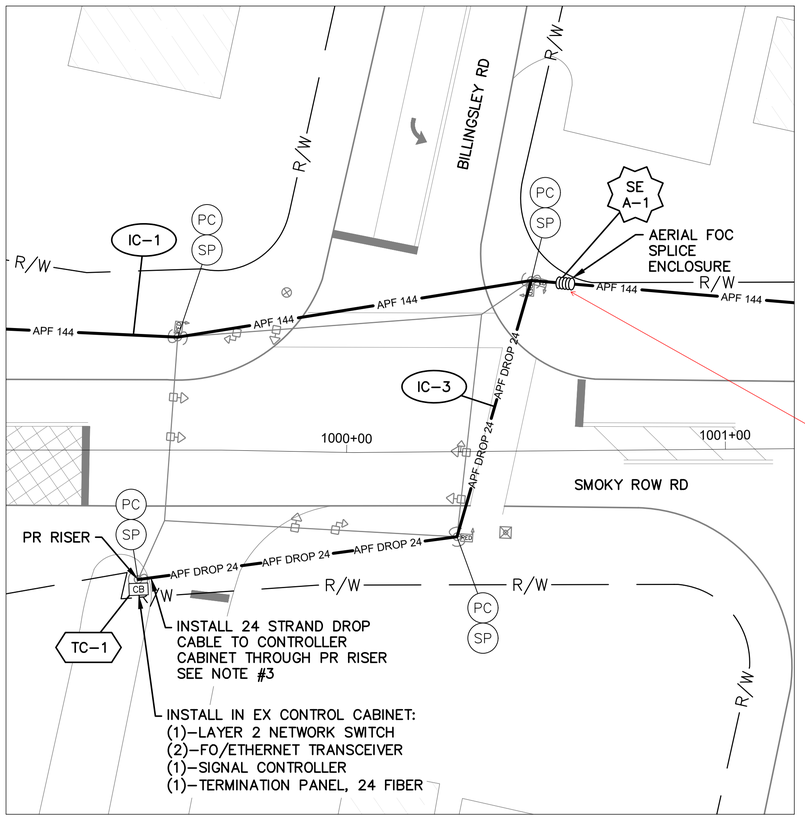
CITY OF COLUMBUS TRAFFIC SIGNAL SYSTEM
(CTSS) PHASE F – FINAL SUBMITTAL

106
768

\\colw001\PWork\Jobs\70202 - CTSS Phase F\TECHPROD\Sheets\CTSS_PhF_Trunk1_SMOKY_ROW_INTERCONNECT.dwg - SMOKY-ROW-3 layout ~ last saved by: nseling 02/22/2022 09:41pm ~ printed 06/01/2022 11:35am PSLTS: 1 LTS: 1 CAS: 1:1



SMOKY ROW RD BETWEEN STATION 999+00 AND 1010+50



There will be a full cut here and a butt splice, according to SP-103. This is Gudenkauf's choice for the ease of installation of the 144 FOC

DETAIL - INT 4245

0 20 40
HORIZONTAL
SCALE IN FEET

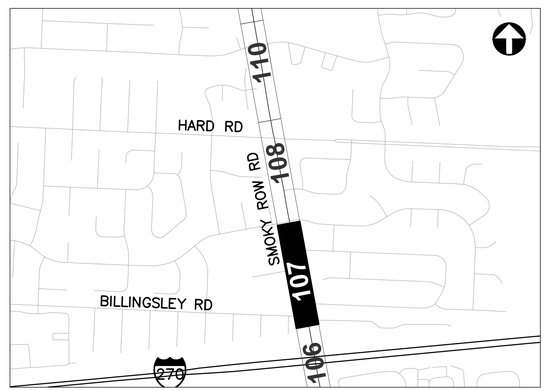
NOTES:

1. SEE SHEET 109 FOR QUANTITIES.
2. SEE SHEETS 452 & 531 FOR COMMUNICATION DETAILS.
3. EXISTING CONDUIT TO CONTROLLER CABINET IS FULL. INSTALL NEW FLEXIBLE CONDUIT TO CABINET FOR PROPOSED DROP CABLE.

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CITY OF COLUMBUS UTILITY LEGEND

- ☐ SEWER
- ☐ WATER
- ☐ POWER
- ☐ LIGHTING



REFER TO SHEET 6 FOR INTERCONNECT SHEET INDEX

KEY PLAN
NOT TO SCALE

3676-E

0 40 80
HORIZONTAL
SCALE IN FEET

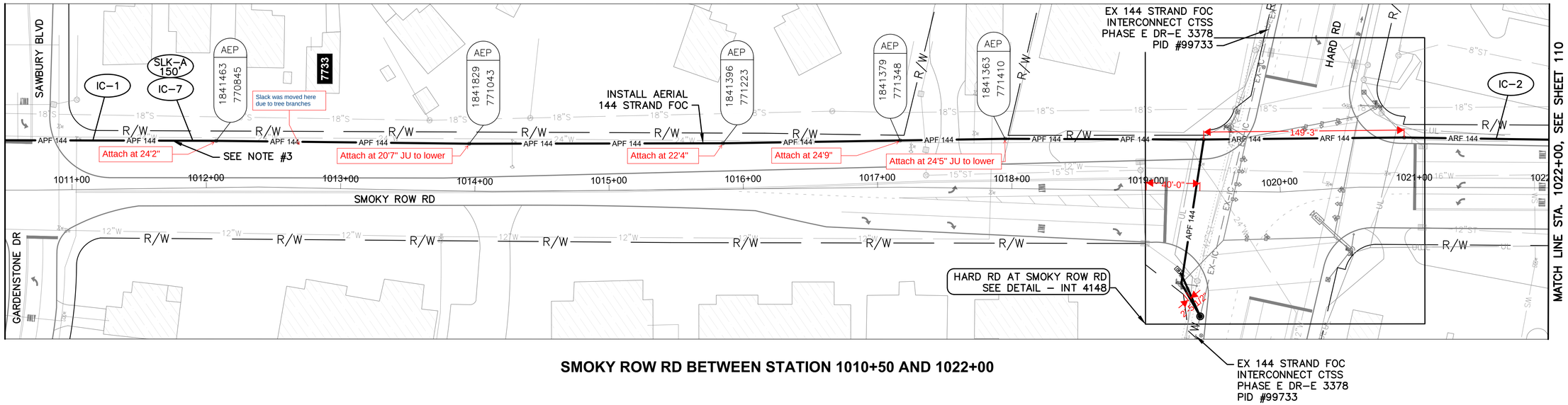
CIP: 540007–100060
PID NUMBER: 110521

INTERCONNECT PLAN
SMOKY ROW RD BETWEEN STA. 999+00 AND 1010+50, INT 4245

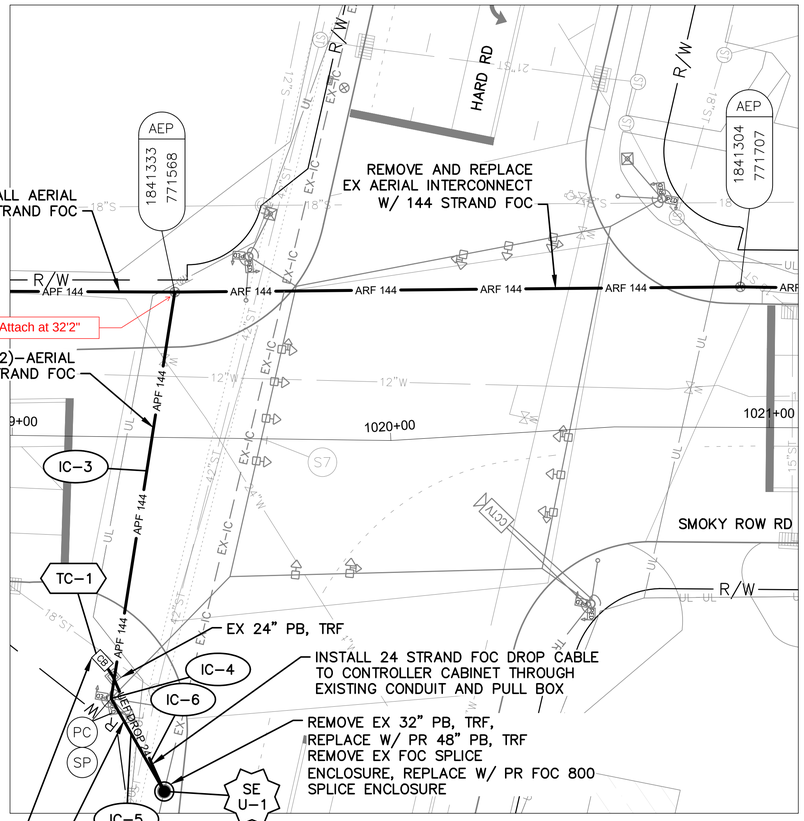
CITY OF COLUMBUS TRAFFIC SIGNAL SYSTEM
(CTSS) PHASE F – FINAL SUBMITTAL

107
768

\\colw00\PWWork\Jobs\Y2022 – CTSS Phase F\TECHPROD\Sheets\CTSS_PhF_Trunk1_SMOKY_ROW_INTERCONNECT.dwg – SMOKY–ROW–4 layout ~ last saved by: nseling 02/22/2022 09:41pm ~ printed 06/01/2022 11:36pm PSLTS: 1 LTS: 1 CAS: 1:1

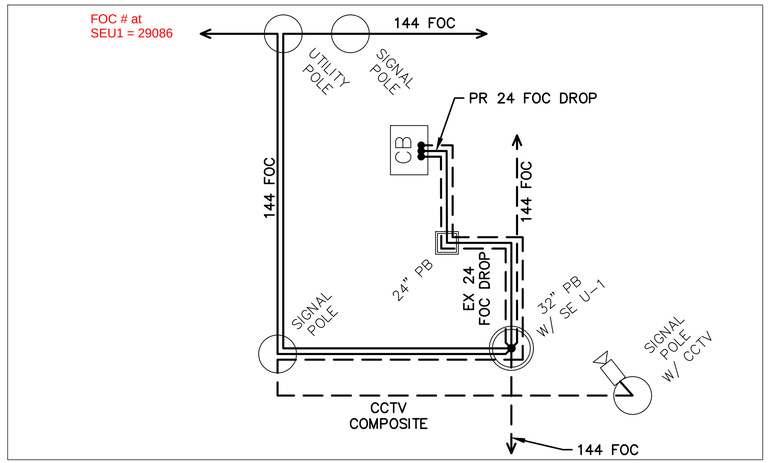


SMOKY ROW RD BETWEEN STATION 1010+50 AND 1022+00



DETAIL - INT 4148

0 20 40
HORIZONTAL SCALE IN FEET



CABLE SCHEMATIC - INT 4148

NOTES:

1. SEE SHEET 109 FOR QUANTITIES.
2. SEE SHEETS 453 & 532 FOR COMMUNICATION DETAILS.
3. INSTALL CABLE GUARD WHERE AERIAL OBSTRUCTIONS ARE PRESENT.

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CITY OF COLUMBUS UTILITY LEGEND
- ☐ SEWER
- ☐ WATER
- ☐ POWER
- ☐ LIGHTING



REFER TO SHEET 6 FOR INTERCONNECT SHEET INDEX

KEY PLAN
NOT TO SCALE

3676-E

0 40 80
HORIZONTAL SCALE IN FEET

CIP: 540007-100060
PID NUMBER: 110521

INTERCONNECT PLAN
SMOKY ROW RD BETWEEN STA. 1010+50 AND 1022+00, INT 4148

CITY OF COLUMBUS TRAFFIC SIGNAL SYSTEM (CTSS) PHASE F - FINAL SUBMITTAL

108
768

\\colw00\PWWork\Jobs\70202 - CTSS Phase F\TECHPROD\Sheets\CTSS_PhF_Trunk1_SMOKY_ROW_INTERCONNECT.dwg - SMOKY-ROW-5 layout ~ last saved by: nseling 02/22/2022 09:41pm ~ printed 06/01/2022 11:36pm PSLTS: 1 LTS: 1 CAS: 1:1

ESTIMATED QUANTITIES

SHEET NO.	REFERENCE NO.	LOCATION	STATION		202	625	625	625	625	625	632	632	632	632	632	632	632	632	632	633	633	633	
					EXISTING CONDUIT CLEANED, AS PER PLAN	CONDUIT, CONCRETE ENCASED, 2-3", 725.051, AS PER PLAN	PULL BOX, CONCRETE 32", AS PER PLAN	PULL BOX, CONCRETE 48", AS PER PLAN	PULL BOX, REMOVED, AS PER PLAN	TRENCH, 36" DEEP, AS PER PLAN	CONDUIT RISER, 2", 725.04, AS PER PLAN	INTERCONNECT CABLE, MISC.: FIBER OPTIC CABLE, 144 STRAND	INTERCONNECT CABLE, MISC.: FIBER OPTIC DROP CABLE, 24 STRAND	INTERCONNECT CABLE, MISC.: FIBER OPTIC FUSION SPLICE	INTERCONNECT CABLE, MISC.: REMOVE EXISTING OVERHEAD INTERCONNECT	INTERCONNECT CABLE, MISC.: TERMINATION PANEL, 24 FIBER	INTERCONNECT, MISC.: SPLICE ENCLOSURE, DOME, 288 SPLICE	INTERCONNECT, MISC.: SPLICE ENCLOSURE, DOME, 800 SPLICE	MESSENGER WIRE, 7 STRAND, 1/4" DIAMETER WITH ACCESSORIES, AS PER PLAN	WOOD POLE, CLASS 5, 35 FT	CONTROLLER ITEM, MISC.: FIBER OPTIC ETHERNET TRANSCEIVER, SHORT RANGE	CONTROLLER ITEM, MISC.: LAYER 2 ETHERNET SWITCH	CONTROLLER UNIT, TYPE TS2/A2, AS PER PLAN	
			FROM	TO	FT	FT	EACH	EACH	EACH	FT	EACH	FT	FT	EACH	FT	EACH	EACH	EACH	FT	EACH	EACH	EACH	EACH	
SMOKY ROW RD. BETWEEN STA. 968+00 AND 978+00, INT 4244																								
104	IC-2	SMOKY ROW RD	970+74, 59' LT	970+86, 57' LT									13						13					
104	IC-3	SMOKY ROW RD	970+74, 59' LT										35											
104	IC-4	SMOKY ROW RD	970+74, 59' LT	970+81, 50' LT	11								11											
104	TC-1	SMOKY ROW RD	970+81, 50' LT										20			1					2	1	1	
104	SE A-1	SMOKY ROW RD	970+86, 57' LT									150	125	12 ~~24~~			1							
104	IC-1	SMOKY ROW RD	970+86, 57' LT	978+00, 43' LT								723							723					
SMOKY ROW RD. BETWEEN STA. 978+00 AND 989+00																								
105	IC-1	SMOKY ROW RD	978+00, 43' LT	989+00, 33' LT								1,117							1,117					
105	IC-2	SMOKY ROW RD	980+36, 33' LT									150												
SMOKY ROW RD. BETWEEN STA. 989+00 AND 999+00																								
106	IC-1	SMOKY ROW RD	989+00, 33' LT	994+25, 32' LT								541							541					
106	IC-6	SMOKY ROW RD	990+72, 42' LT									150												
106	IC-2	SMOKY ROW RD	994+25, 32' LT								2	35								1				
106	IC-3	SMOKY ROW RD	994+25, 32' LT	996+41, 46' LT		229	2			229		229												
106	IC-4	SMOKY ROW RD	996+41, 46' LT								2	35												
106	IC-5	SMOKY ROW RD	996+41, 46' LT	999+00, 32' LT								263							263					
106	IC-7	SMOKY ROW RD	997+24, 41' LT									150												
SMOKY ROW RD. BETWEEN STA. 999+00 AND 1010+50, INT 4245																								
107	IC-1	SMOKY ROW RD	999+00, 32' LT	1000+58, 44' LT								161							161					
107	IC-3	SMOKY ROW RD	999+44, 34' RT	1000+49, 45' LT									157						157					
107	SE A-1	SMOKY ROW RD	1000+58, 44' LT									150	125	24			1							
107	IC-2	SMOKY ROW RD	1000+58, 44' LT	1010+50, 37' LT								1,008							1,008					
107	TC-1	SMOKY ROW RD	999+44, 34' RT								1		55			1					2	1	1	
SMOKY ROW RD. BETWEEN STA. 1010+50 AND 1022+00, INT 4148																								
108	IC-1	SMOKY ROW RD	1010+50, 37' LT	1019+43, 38' LT								908							908					
108	TC-1	SMOKY ROW RD	1019+24, 59' RT										20			1					2			
108	IC-6	SMOKY ROW RD	1019+24, 59' RT	1019+41, 93' RT	38								38											
108	IC-3	SMOKY ROW RD	1019+27, 69' RT	1019+42, 38' LT								221							111					
108	IC-4	SMOKY ROW RD	1019+27, 69' RT									70												
108	IC-5	SMOKY ROW RD	1019+27, 69' RT	1019+41, 93' RT	28							56												
108	IC-2	SMOKY ROW RD	1019+43, 38' LT	1022+00, 36' LT								262			262				262					
108	SE U-1	SMOKY ROW RD	1019+41, 93' RT					1	1			150	125	240				1						
108	IC-7	SMOKY ROW RD	1011+90, 35' LT									150												
SHEET TOTAL					77	229	2	1	1	229	5	6,679	724	288	262	3	2	1	5,264	1	6	2	2	-

AERIAL SAG: 1.5% AERIAL SAG IS INCLUDED IN THE QUANTITIES FOR ANY AERIAL FIBER OR CABLE ITEMS.

REVISION 1.0

3676-E

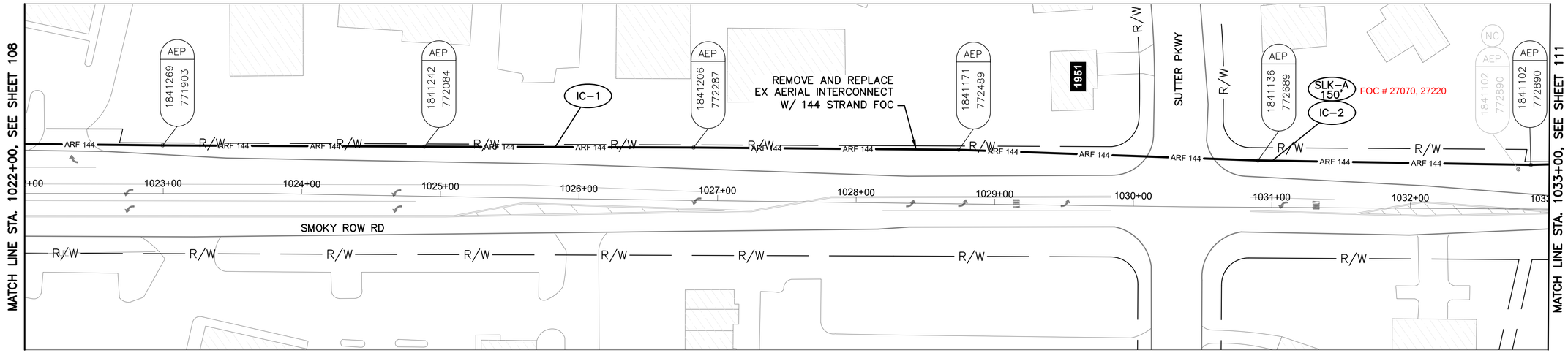
CIP: 540007-100060
PID NUMBER: 110521

SMOKY ROW RD BETWEEN STA. 968+00 & 1022+00
INTS 4244, 4245, AND 4148

CITY OF COLUMBUS TRAFFIC SIGNAL SYSTEM
(CTSS) PHASE F – FINAL SUBMITTAL

109
768

J:\Jobs\70202 – CTSS Phase F\TECHPROD\Sheets\CTSS_PhF_Trunk1_SMOKY_ROW_IC_QUANTITIES.dwg – SMOKY ROW RD-Q1 layout ~ last saved by: gburch 10/13/2022 10:46am ~ printed 10/13/2022 10:46am PSLTS: 1 LTS: 1 CAS: 1:1



SMOKY ROW RD BETWEEN STATION 1022+00 AND 1033+00

NOTES:

1. SEE SHEET 115 FOR QUANTITIES.
2. SEE SHEET 453 FOR COMMUNICATION DETAILS.

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CITY OF COLUMBUS UTILITY LEGEND

- ☐ SEWER
- ☐ WATER
- ☐ POWER
- ☐ LIGHTING



REFER TO SHEET 6 FOR INTERCONNECT SHEET INDEX

KEY PLAN
NOT TO SCALE

3676-E

HORIZONTAL SCALE IN FEET
0 40 80

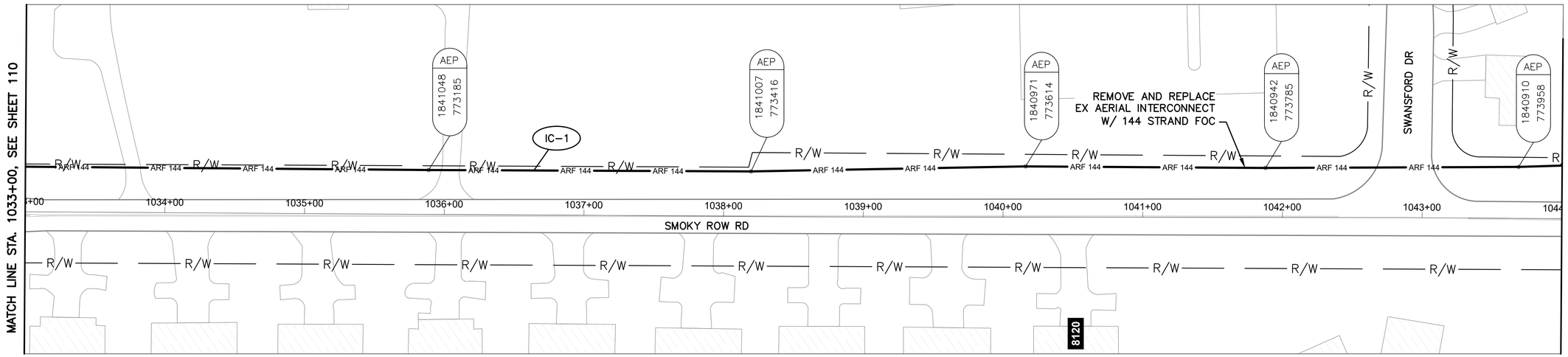
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PID NUMBER: 110521

INTERCONNECT PLAN
SMOKY ROW RD BETWEEN STA. 1022+00 AND 1033+00

CITY OF COLUMBUS TRAFFIC SIGNAL SYSTEM
(CTSS) PHASE F - FINAL SUBMITTAL

110
768

\\colaw00\PWWork\Jobs\70202 - CTSS Phase F\TECHPROD\Sheets\CTSS_PhF_Trunk1_SMOKY_ROW_INTERCONNECT.dwg - SMOKY-ROW-6 layout ~ last saved by: nseling 02/22/2022 09:41pm ~ printed 06/01/2022 11:41pm PSLTS: 1 LTS: 1 CAS: 1:1



SMOKY ROW RD BETWEEN STATION 1033+00 AND 1044+00

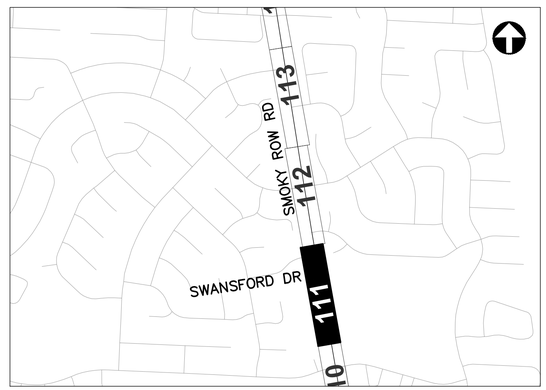
NOTES:

1. SEE SHEET 115 FOR QUANTITIES.
2. SEE SHEET 453 FOR COMMUNICATION DETAILS.

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CITY OF COLUMBUS UTILITY LEGEND

- ☐ SEWER
- ☐ WATER
- ☐ POWER
- ☐ LIGHTING



REFER TO SHEET 6 FOR INTERCONNECT SHEET INDEX

KEY PLAN
NOT TO SCALE

3676-E

HORIZONTAL SCALE IN FEET
0 40 80

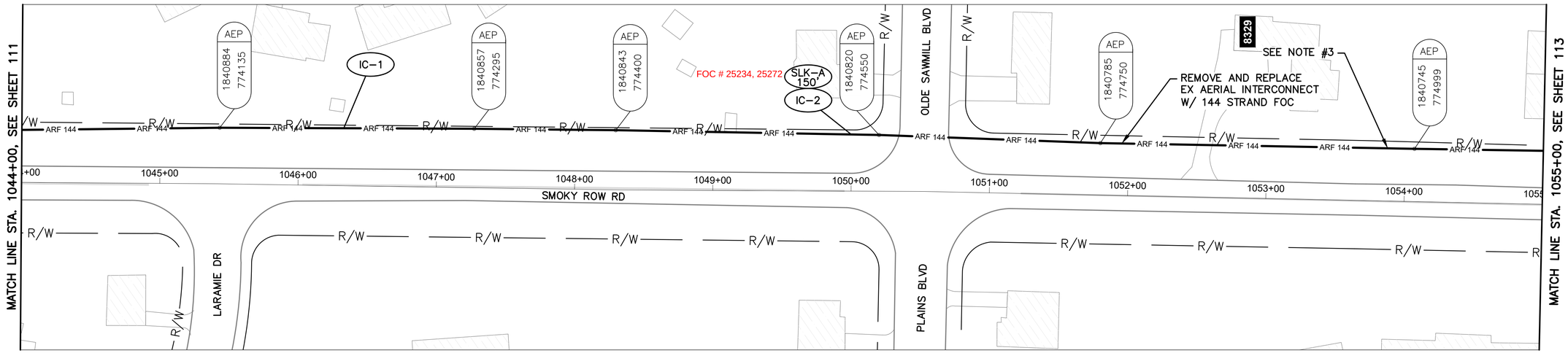
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PID NUMBER: 110521

INTERCONNECT PLAN
SMOKY ROW RD BETWEEN STA. 1033+00 AND 1044+00

CITY OF COLUMBUS TRAFFIC SIGNAL SYSTEM
(CTSS) PHASE F - FINAL SUBMITTAL

111
768

\\colaw00\PWWork\Jobs\70202 - CTSS Phase F\TECHPROD\Sheets\CTSS_PhF_Trunk1_SMOKY_ROW_INTERCONNECT.dwg - SMOKY-ROW-7 layout ~ last saved by: nseling 02/22/2022 09:41pm ~ printed 06/01/2022 11:42pm PSLTS: 1 LTS: 1 CAS: 1:1



SMOKY ROW RD BETWEEN STATION 1044+00 AND 1055+00

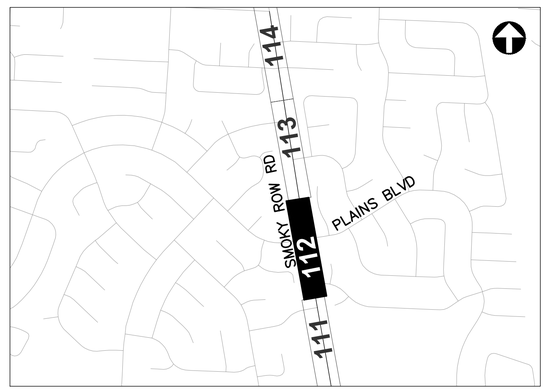
NOTES:

1. SEE SHEET 115 FOR QUANTITIES.
2. SEE SHEET 453 FOR COMMUNICATION DETAILS.
3. INSTALL CABLE GUARD WHERE AERIAL OBSTRUCTIONS ARE PRESENT.

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CITY OF COLUMBUS UTILITY LEGEND

- ☐ SEWER
- ☐ WATER
- ☐ POWER
- ☐ LIGHTING



REFER TO SHEET 6 FOR INTERCONNECT SHEET INDEX

KEY PLAN
NOT TO SCALE

3676-E

HORIZONTAL SCALE IN FEET
0 40 80

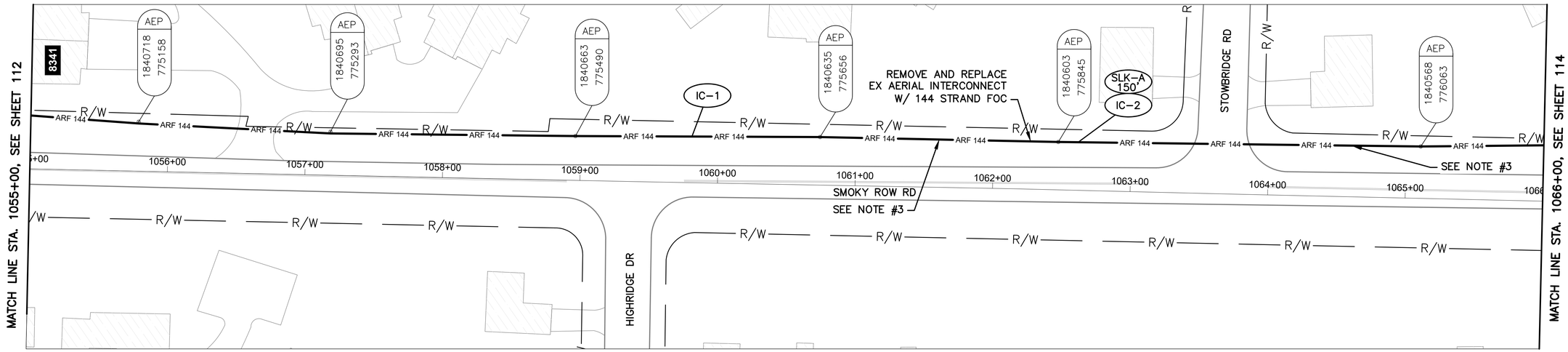
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PID NUMBER: 110521

INTERCONNECT PLAN
SMOKY ROW RD BETWEEN STA. 1044+00 AND 1055+00

CITY OF COLUMBUS TRAFFIC SIGNAL SYSTEM
(CTSS) PHASE F – FINAL SUBMITTAL

112
768

\\colaw00\PWWork\Jobs\70202 – CTSS Phase F\TECHPROD\Sheets\CTSS_PhF_Trunk1_SMOKY_ROW_INTERCONNECT.dwg – SMOKY-ROW-8 layout ~ last saved by: nseling 02/22/2022 09:41pm ~ printed 06/01/2022 11:42pm PSLTS: 1 LTS: 1 CAS: 1:1



SMOKY ROW RD BETWEEN STATION 1055+00 AND 1066+00

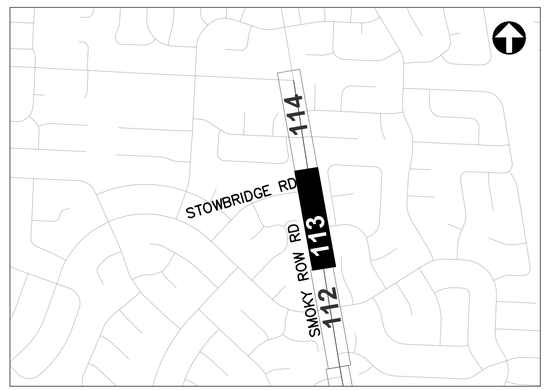
NOTES:

1. SEE SHEET 115 FOR QUANTITIES.
2. SEE SHEET 453 FOR COMMUNICATION DETAILS.
3. INSTALL CABLE GUARD WHERE AERIAL OBSTRUCTIONS ARE PRESENT.

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CITY OF COLUMBUS UTILITY LEGEND

- ☐ SEWER
- ☐ WATER
- ☐ POWER
- ☐ LIGHTING



REFER TO SHEET 6 FOR INTERCONNECT SHEET INDEX

KEY PLAN
NOT TO SCALE

3676-E

HORIZONTAL SCALE IN FEET
0 40 80

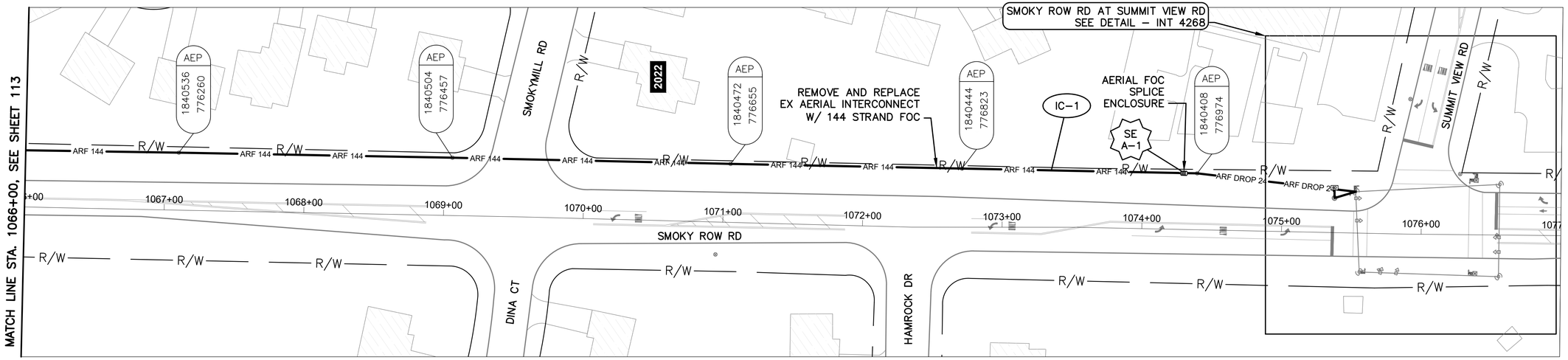
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PID NUMBER: 110521

INTERCONNECT PLAN
SMOKY ROW RD BETWEEN STA. 1055+00 AND 1066+00

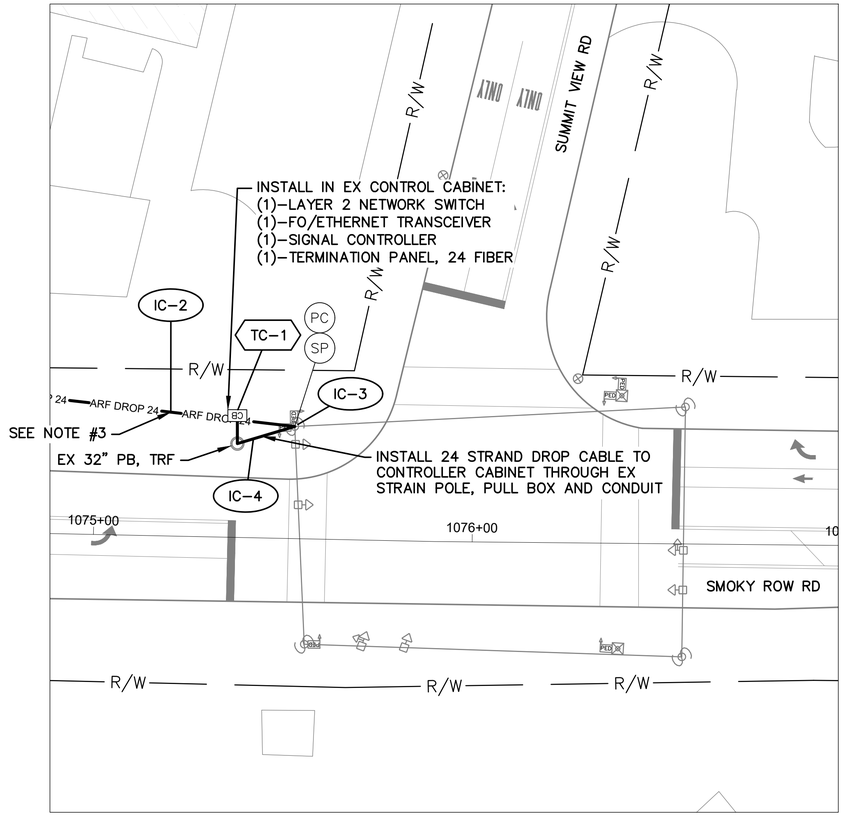
CITY OF COLUMBUS TRAFFIC SIGNAL SYSTEM
(CTSS) PHASE F - FINAL SUBMITTAL

113
768

\\colaw00\PWWork\Jobs\70202 - CTSS Phase F\TECHPROD\Sheets\CTSS_PhF_Trunk1_SMOKY_ROW_INTERCONNECT.dwg - SMOKY-ROW-9 layout ~ last saved by: nseling 02/22/2022 09:41pm ~ printed 06/01/2022 11:43am PSLTS: 1 LTS: 1 CAS: 1:1



SMOKY ROW RD BETWEEN STATION 1066+00 AND 1077+00



DETAIL - INT 4268

0 20 40
HORIZONTAL
SCALE IN FEET

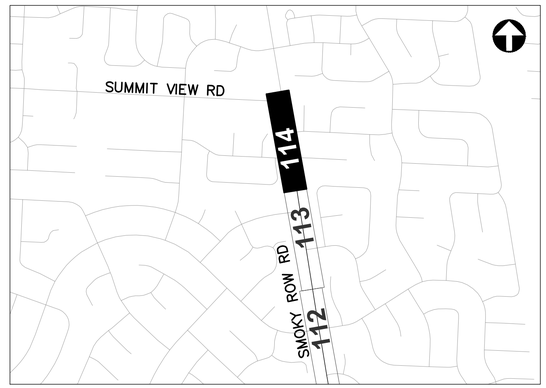
NOTES:

1. SEE SHEET 115 FOR QUANTITIES.
2. SEE SHEETS 453 & 533 FOR COMMUNICATION DETAILS.
3. INSTALL CABLE GUARD WHERE AERIAL OBSTRUCTIONS ARE PRESENT.

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CITY OF COLUMBUS
UTILITY LEGEND

- ☐ SEWER
- ☐ WATER
- ☐ POWER
- ☐ LIGHTING



REFER TO SHEET 6 FOR INTERCONNECT SHEET INDEX

KEY PLAN
NOT TO SCALE

3676-E

0 40 80
HORIZONTAL
SCALE IN FEET

CIP: 540007–100060
PID NUMBER: 110521

INTERCONNECT PLAN
SMOKY ROW RD BETWEEN STA. 1066+00 AND 1077+00, INT 4268

CITY OF COLUMBUS TRAFFIC SIGNAL SYSTEM
(CTSS) PHASE F – FINAL SUBMITTAL

114
768

\\colw00\PMWork\Jobs\70202 – CTSS Phase F\TECHPROD\Sheets\CTSS_PhF_Trunk1_SMOKY_ROW_INTERCONNECT.dwg – SMOKY–ROW–10 layout ~ last saved by: nseling 02/22/2022 09:41pm ~ printed 06/01/2022 11:44pm PSLTS: 1 LTS: 1 CAS: 1:1

ESTIMATED QUANTITIES

SHEET NO.	REFERENCE NO.	LOCATION	STATION		202	632	632	632	632	632	632	632	633	633	633										
					EXISTING CONDUIT CLEANED, AS PER PLAN	INTERCONNECT CABLE, MISC.: FIBER OPTIC CABLE, 144 STRAND	INTERCONNECT CABLE, MISC.: FIBER OPTIC DROP CABLE, 24 STRAND	INTERCONNECT CABLE, MISC.: FIBER OPTIC FUSION SPLICE	INTERCONNECT CABLE, MISC.: REMOVE EXISTING OVERHEAD INTERCONNECT	INTERCONNECT CABLE, MISC.: TERMINATION PANEL, 24 FIBER	INTERCONNECT, MISC.: SPLICE ENCLOSURE, DOME, 288 SPLICE	MESSENGER WIRE, 7 STRAND, 1/4" DIAMETER WITH ACCESSORIES, AS PER PLAN	CONTROLLER ITEM, MISC.: FIBER OPTIC ETHERNET TRANSCEIVER, SHORT RANGE	CONTROLLER ITEM, MISC.: LAYER 2 ETHERNET SWITCH	CONTROLLER UNIT, TYPE TS2/A2, AS PER PLAN									
			FROM	TO	FT	FT	FT	EACH	FT	EACH	EACH	FT	EACH	EACH	EACH									
SMOKY ROW RD. BETWEEN STA. 1022+00 AND 1033+00																									
110	IC-1	SMOKY ROW RD	1022+00, 36' LT	1033+00, 40' LT		1,117			1,117			1,117													
110	IC-2	SMOKY ROW RD	1031+00, 34' LT			150																			
SMOKY ROW RD. BETWEEN STA. 1033+00 AND 1044+00																									
111	IC-1	SMOKY ROW RD	1033+00, 40' LT	1044+00, 41' LT		1,117			1,117			1,117													
SMOKY ROW RD. BETWEEN STA. 1044+00 AND 1055+00																									
112	IC-1	SMOKY ROW RD	1044+00, 41' LT	1055+00, 41' LT		1,118			1,118			1,118													
112	IC-2	SMOKY ROW RD	1050+00, 41' LT			150																			
SMOKY ROW RD. BETWEEN STA. 1055+00 AND 1066+00																									
113	IC-1	SMOKY ROW RD	1055+00, 41' LT	1066+00, 41' LT		1,117			1,117			1,117													
113	IC-2	SMOKY ROW RD	1062+61, 35' LT			150																			
SMOKY ROW RD. BETWEEN STA. 1066+00 AND 1077+00, INT 4268																									
114	IC-1	SMOKY ROW RD	1066+00, 41' LT	1074+38, 40' LT		852			852			852													
114	SE A-1	SMOKY ROW RD	1074+29, 40' LT			75	125	12			1														
114	IC-2	SMOKY ROW RD	1074+38, 40' LT	1075+52, 30' LT			116		116			116													
114	TC-1	SMOKY ROW RD	1075+37, 32' LT	1075+52, 30' LT			20			1			1	1	1										
114	IC-4	SMOKY ROW RD	1075+37, 32' LT	1075+52, 30' LT	23		23																		
114	IC-3	SMOKY ROW RD	1075+52, 30' LT				35																		
SHEET TOTAL					23	5,846	319	12	5,437	1	1	5,437	1	1	1	-	-	-	-	-	-	-	-	-	-

AERIAL SAG: 1.5% AERIAL SAG IS INCLUDED IN THE QUANTITIES FOR ANY AERIAL FIBER OR CABLE ITEMS.

3676-E

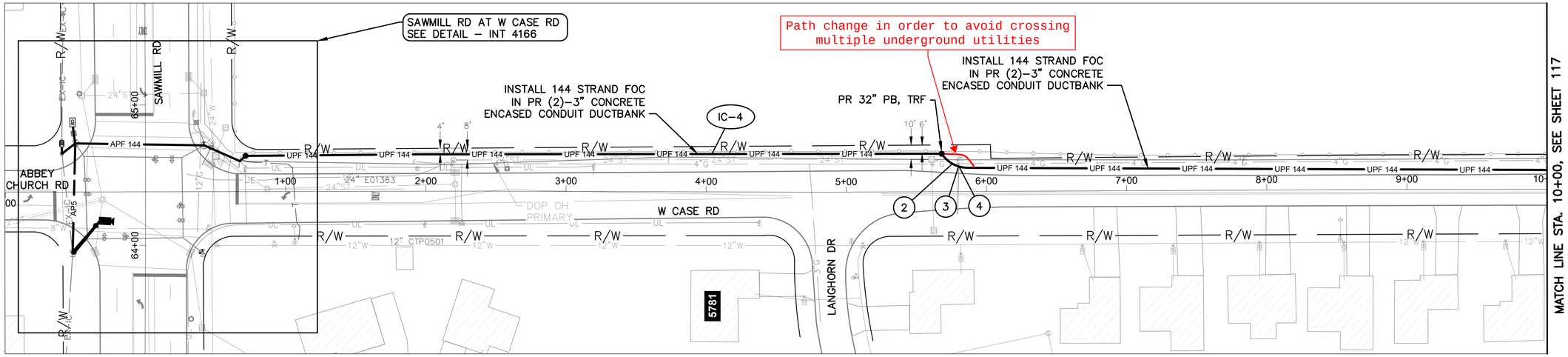
CIP: 540007-100060
PID NUMBER: 110521

SMOKY ROW RD BETWEEN STA. 1022+00 & 1077+00
INT 4268

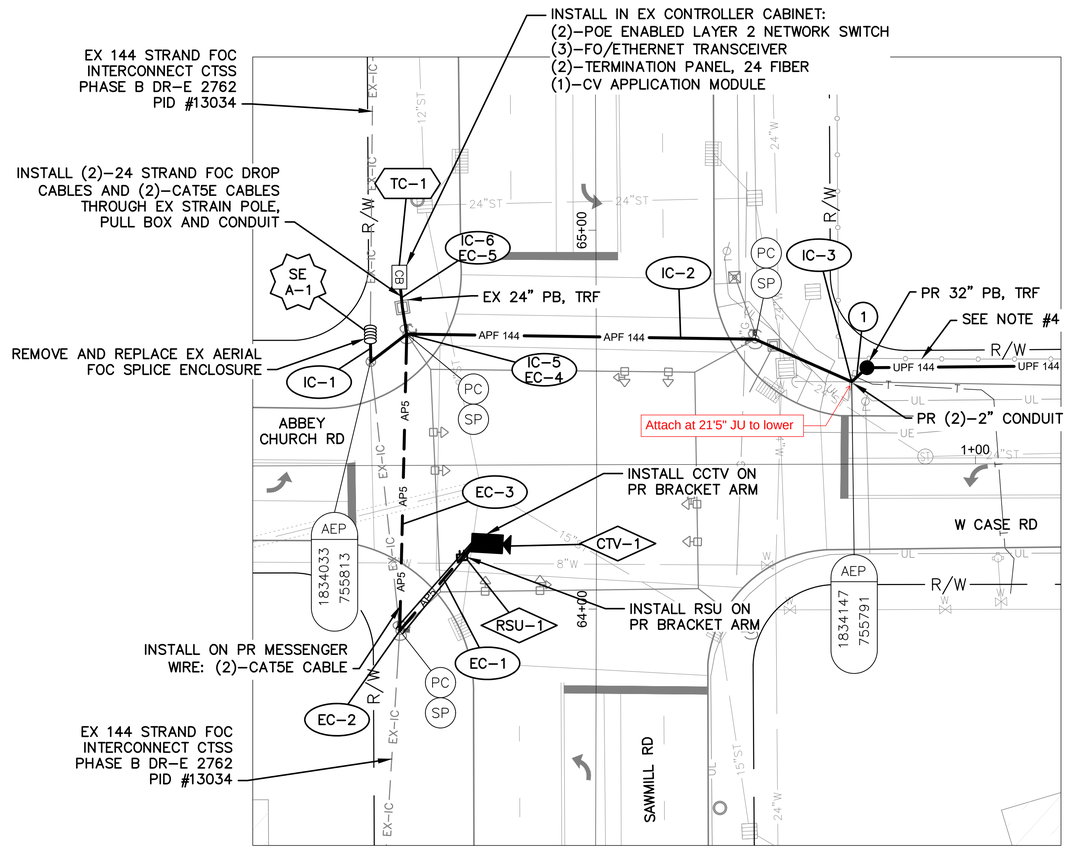
CITY OF COLUMBUS TRAFFIC SIGNAL SYSTEM
(CTSS) PHASE F – FINAL SUBMITTAL

115
768

J:\Jobs\70202 – CTSS Phase F\TECHPROD\Sheets\CTSS_PhF_Trunk1_SMOKY_ROW_IC_QUANTITIES.dwg – SMOKY ROW RD-Q2 layout ~ last saved by: gburch 02/22/2022 09:41pm ~ printed 06/02/2022 09:56am PSLTS: 1 LTS: 1 CAS: 1:1



ABBEY CHURCH RD AND W CASE RD BETWEEN STATION 1+00 AND 10+00



DETAIL - INT 4166

HORIZONTAL SCALE IN FEET

NOTES:

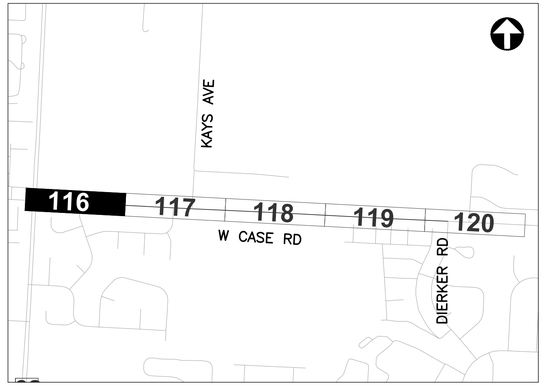
1. SEE SHEET 122 FOR QUANTITIES.
2. SEE SHEETS 451 & 487 FOR COMMUNICATION DETAILS.
3. SEE SHEET 49 FOR CCTV MOUNTING DETAILS.
4. EXISTING FENCE ENCROACHES INTO R/W. DO NOT DISTURB. SEE SHEET 27 FOR LIST OF EXISTING R/W ENCROACHMENTS.
5. FOR RADIO MOUNTING DETAILS: INT 4166 – SEE SHEET 54

(#) EXISTING UTILITY CROSSING. SEE UTILITY CROSSING INFO SHEET 18.

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CITY OF COLUMBUS UTILITY LEGEND

- ☒ SEWER
- ☒ WATER
- ☒ POWER
- ☒ LIGHTING



REFER TO SHEET 6 FOR INTERCONNECT SHEET INDEX

KEY PLAN
NOT TO SCALE

3676-E

HORIZONTAL SCALE IN FEET

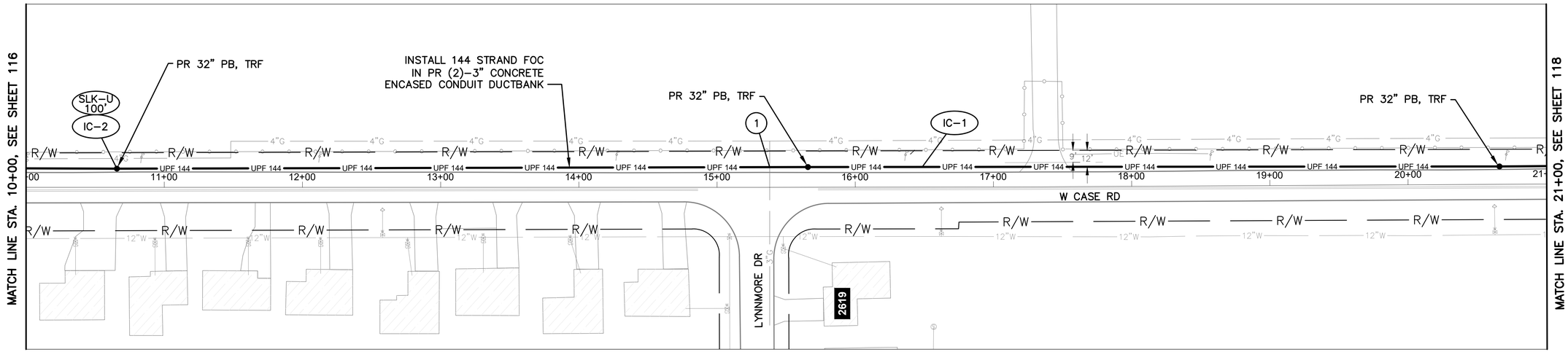
CIP: 540007–100060
PID NUMBER: 110521

INTERCONNECT PLAN – ABBEY CHURCH RD AND W CASE RD BETWEEN STA. 1+00 AND 10+00, INT 4166

CITY OF COLUMBUS TRAFFIC SIGNAL SYSTEM (CTSS) PHASE F – FINAL SUBMITTAL

116
768

\\colw00\PWork\Jobs\70202 – CTSS Phase F\TECHPROD\Sheets\CTSS_PhF_Trunk1_CASE_INTERCONNECT.dwg – CASE–1 layout – last saved by gburch 04/12/2022 10:22pm – printed 06/01/2022 11:46pm PSLTS: 1 LTS: 1 CAS: 1:1



W CASE RD BETWEEN STATION 10+00 AND 21+00

NOTES:

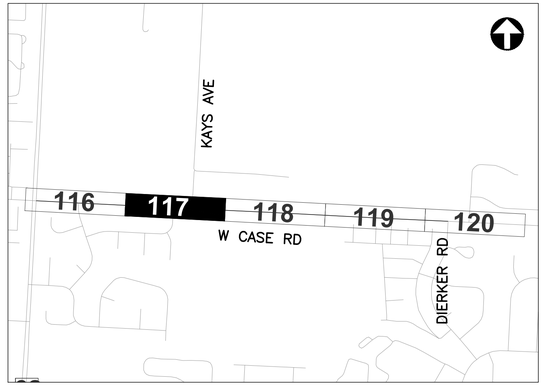
1. SEE SHEET 122 FOR QUANTITIES.
2. SEE SHEET 451 FOR COMMUNICATION DETAILS.

(#) EXISTING UTILITY CROSSING. SEE UTILITY CROSSING INFO SHEET 18.

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CITY OF COLUMBUS UTILITY LEGEND

☒	SEWER
☒	WATER
☐	POWER
☐	LIGHTING



REFER TO SHEET 6 FOR INTERCONNECT SHEET INDEX

KEY PLAN
NOT TO SCALE

3676-E

HORIZONTAL SCALE IN FEET
0 40 80

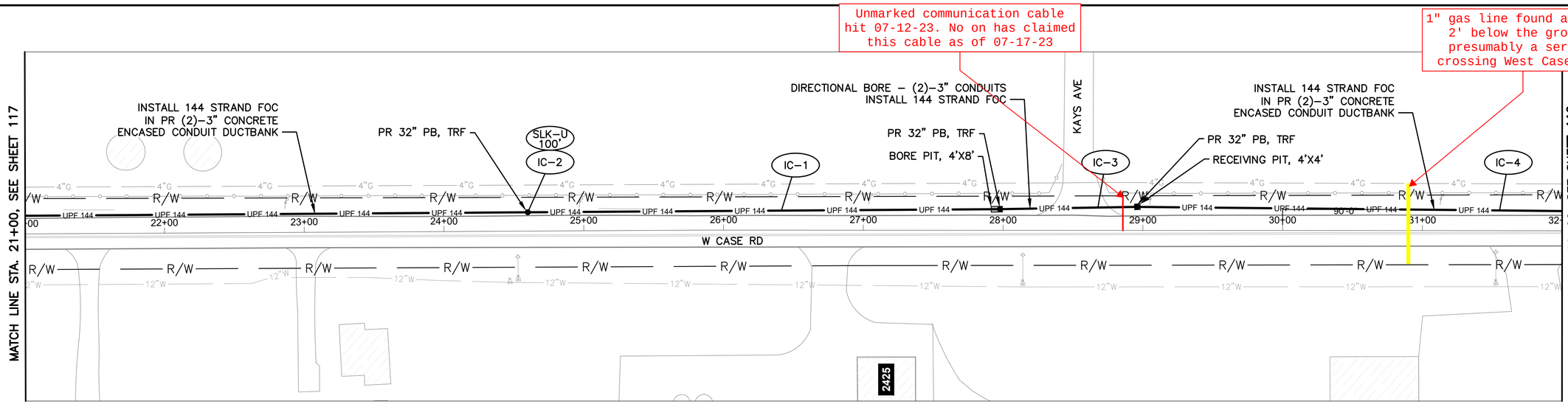
CIP: 540007-100060
PID NUMBER: 110521

INTERCONNECT PLAN
W CASE RD BETWEEN STA. 10+00 AND 21+00

CITY OF COLUMBUS TRAFFIC SIGNAL SYSTEM
(CTSS) PHASE F – FINAL SUBMITTAL

117
768

\\colw001\PWWork\Jobs\70202 - CTSS Phase F\TECHPROD\Sheets\CTSS_PhF_Trunk1_CASE_INTERCONNECT.dwg - CASE-2 layout ~ last saved by: gburch 04/12/2022 10:22pm ~ printed 06/01/2022 11:46pm PSLTS: 1 LTS: 1 CAS: 1:1



W CASE RD BETWEEN STATION 21+00 AND 32+00

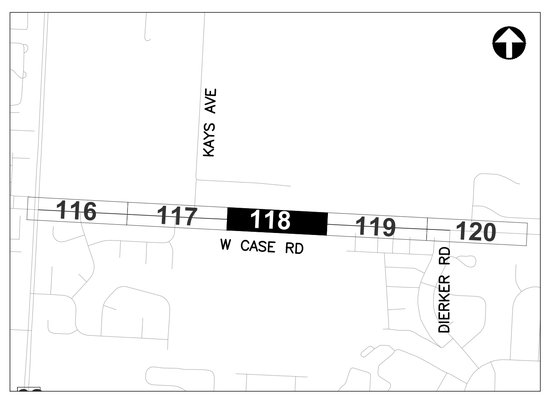
NOTES:

1. SEE SHEET 122 FOR QUANTITIES.
2. SEE SHEET 451 FOR COMMUNICATION DETAILS.

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CITY OF COLUMBUS UTILITY LEGEND

- ☒ SEWER
- ☒ WATER
- ☐ POWER
- ☐ LIGHTING



REFER TO SHEET 6 FOR INTERCONNECT SHEET INDEX

KEY PLAN
NOT TO SCALE

3676-E

HORIZONTAL SCALE IN FEET
0
40
80

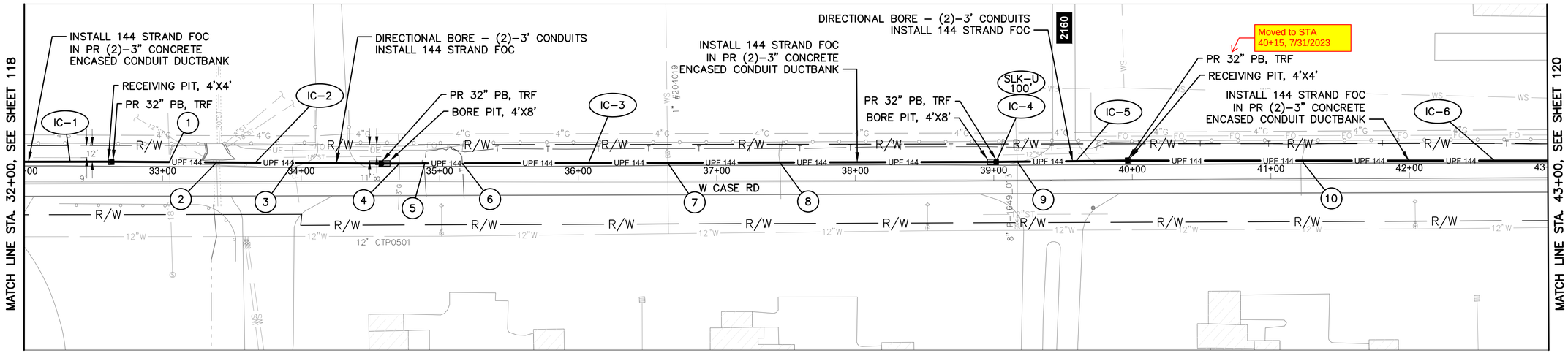
CIP: 540007–100060
PID NUMBER: 110521

INTERCONNECT PLAN
W CASE RD BETWEEN STA. 21+00 AND 32+00

CITY OF COLUMBUS TRAFFIC SIGNAL SYSTEM
(CTSS) PHASE F – FINAL SUBMITTAL

118
768

\\colw00\PMWork\Jobs\70202 - CTSS Phase F\TECHPROD\Sheets\CTSS_PhF_Trunk1_CASE_INTERCONNECT.dwg - CASE–3 layout ~ last saved by: gburch 04/12/2022 10:22pm ~ printed 06/01/2022 11:47pm PSLTS: 1 LTS: 1 CAS: 1:1



W CASE RD BETWEEN STATION 32+00 AND 43+00

NOTES:

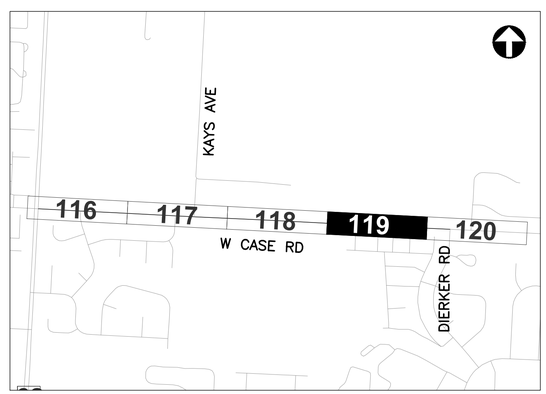
1. SEE SHEET 122 FOR QUANTITIES.
2. SEE SHEET 451 FOR COMMUNICATION DETAILS.

(#) EXISTING UTILITY CROSSING. SEE UTILITY CROSSING INFO SHEET 18.

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CITY OF COLUMBUS UTILITY LEGEND

- [x] SEWER
- [x] WATER
- [ ] POWER
- [ ] LIGHTING



REFER TO SHEET 6 FOR INTERCONNECT SHEET INDEX

KEY PLAN
NOT TO SCALE

3676-E

HORIZONTAL SCALE IN FEET
0 40 80

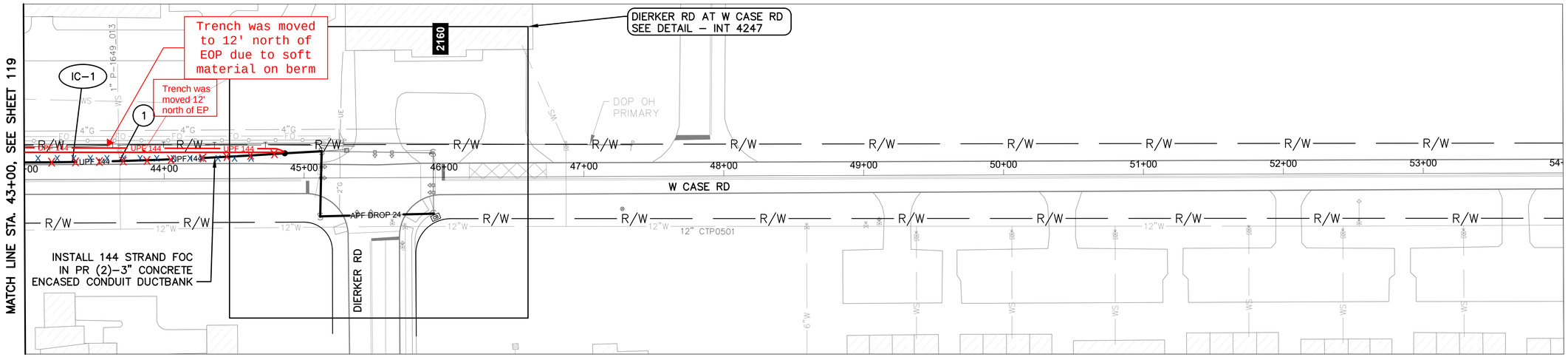
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PID NUMBER: 110521

INTERCONNECT PLAN
W CASE RD BETWEEN STA. 32+00 AND 43+00

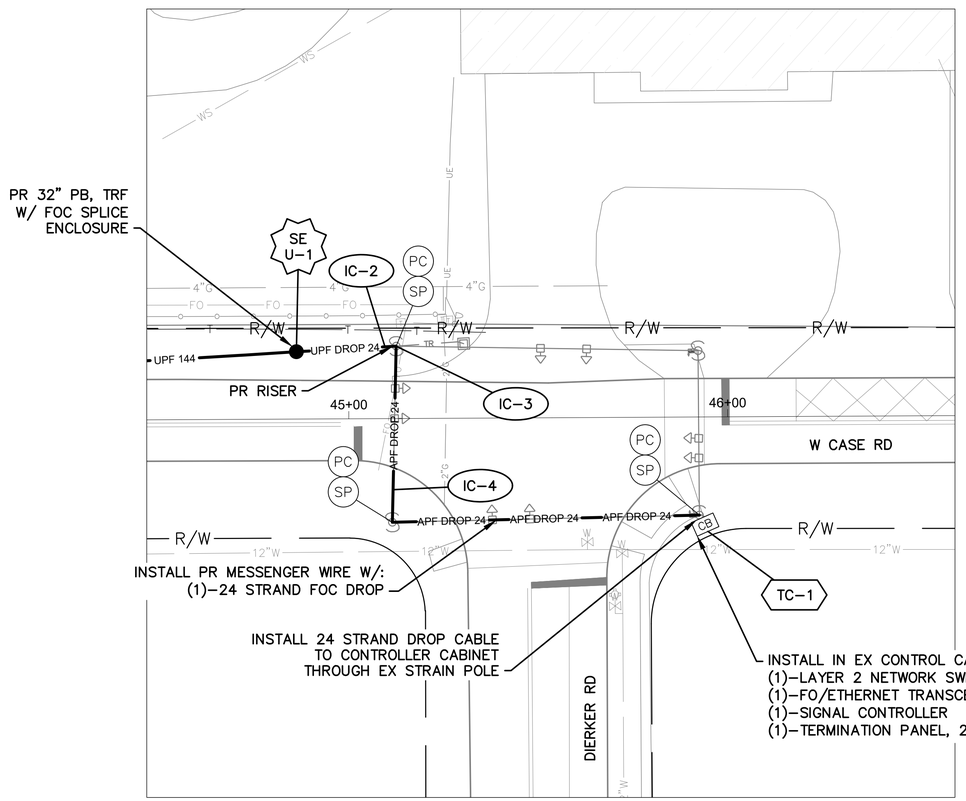
CITY OF COLUMBUS TRAFFIC SIGNAL SYSTEM
(CTSS) PHASE F – FINAL SUBMITTAL

119
768

\\colw001\PWWork\Jobs\70202 – CTSS Phase F\TECHPROD\Sheets\CTSS_PhF_Trunk1_CASE_INTERCONNECT.dwg – CASE-4 layout ~ last saved by: gburch 04/12/2022 10:22pm ~ printed 06/01/2022 11:48am PSLTS: 1 LTS: 1 CAS: 1:1



W CASE RD BETWEEN STATION 43+00 AND 54+00



DETAIL - INT 4247

0 20 40

HORIZONTAL
SCALE IN FEET

NOTES:

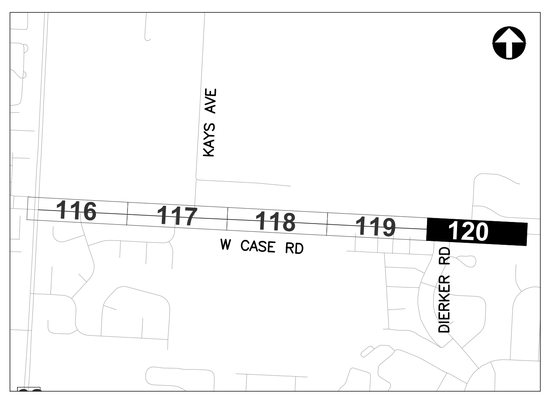
1. SEE SHEET 122 FOR QUANTITIES.
2. SEE SHEETS 451 & 526 FOR COMMUNICATION DETAILS.

(#) EXISTING UTILITY CROSSING.
SEE UTILITY CROSSING INFO
SHEET 18.

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CITY OF COLUMBUS UTILITY LEGEND

- ☐ SEWER
- ☒ WATER
- ☒ POWER
- ☐ LIGHTING



REFER TO SHEET 6 FOR
INTERCONNECT SHEET INDEX

KEY PLAN
NOT TO SCALE

3676-E

0 40 80
HORIZONTAL
SCALE IN FEET

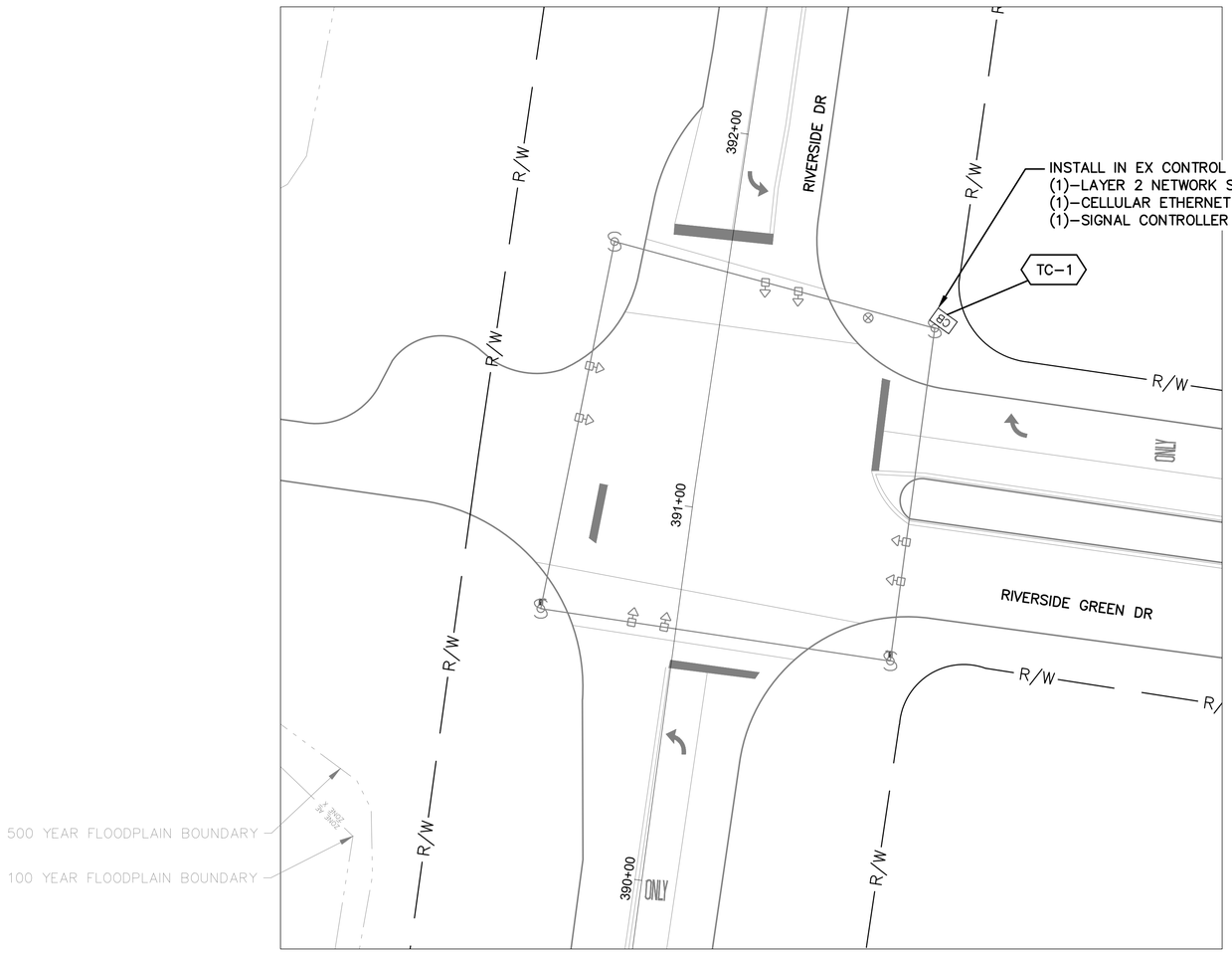
CIP: 540007–100060
PID NUMBER: 110521

INTERCONNECT PLAN
W CASE RD BETWEEN STA. 43+00 AND 54+00, INT 4247

CITY OF COLUMBUS TRAFFIC SIGNAL SYSTEM
(CTSS) PHASE F – FINAL SUBMITTAL

120
768

\\colw00\PMWork\Jobs\70202 - CTSS Phase F\TECHPROD\Sheets\CTSS_PhF_Trunk1_CASE_INTERCONNECT.dwg - CASE-5 layout ~ last saved by: gburch 04/12/2022 10:22pm ~ printed 06/01/2022 11:49pm PSLTS: 1 LTS: 1 CAS: 1:1



DETAIL - INT 4147

0 20 40

HORIZONTAL SCALE IN FEET

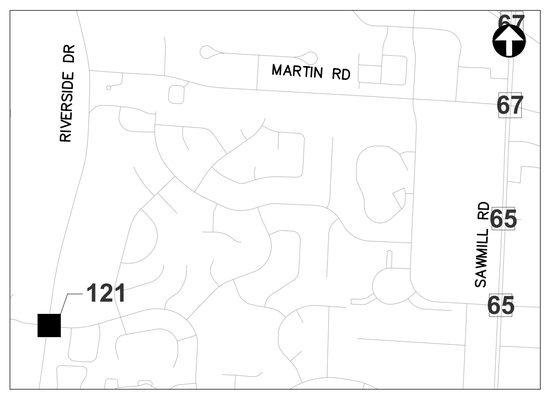
NOTES:

1. SEE SHEET 122 FOR QUANTITIES.
2. SEE SHEETS 451 & 527 FOR COMMUNICATION DETAILS.

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CITY OF COLUMBUS UTILITY LEGEND

- ☐ SEWER
- ☐ WATER
- ☐ POWER
- ☐ LIGHTING



REFER TO SHEET 8 FOR INTERCONNECT SHEET INDEX

KEY PLAN
NOT TO SCALE

3676-E

0 40 80
HORIZONTAL SCALE IN FEET

CIP: 540007–100060
PID NUMBER: 110521

INTERCONNECT PLAN
INT 4147 – RIVERSIDE DR AT RIVERSIDE GREEN DR

CITY OF COLUMBUS TRAFFIC SIGNAL SYSTEM
(CTSS) PHASE F – FINAL SUBMITTAL

121
768

\\colw001\PWWork\Jobs\70202 – CTSS Phase F\TECHPROD\Sheets\CTSS_PhF_Trunk1_MARTIN_INTERCONNECT.dwg – RIVERSIDE–1 layout ~ last saved by gburch 02/22/2022 09:41pm ~ printed 06/01/2022 11:50pm PSLTS: 1 LTS: 1 CAS: 1:1

ESTIMATED QUANTITIES

SHEET NO.	REFERENCE NO.	LOCATION	STATION		202	625	625	625	625	625	632	632	632	632	632	632	632	632	632	632	632	633
					EXISTING CONDUIT CLEANED, AS PER PLAN	BRACKET ARM, 30', AS PER PLAN	CONDUIT, CONCRETE ENCASED, 2-3", 725.051, AS PER PLAN	CONDUIT, JACKED OR DRILLED, 3", AS PER PLAN	PULL BOX, CONCRETE 32", AS PER PLAN	TRENCH, 36" DEEP, AS PER PLAN	CONDUIT RISER, 2", 725.04, AS PER PLAN	INTERCONNECT CABLE, MISC.: FIBER OPTIC CABLE, 144 STRAND	INTERCONNECT CABLE, MISC.: FIBER OPTIC DROP CABLE, 24 STRAND	INTERCONNECT CABLE, MISC.: FIBER OPTIC FUSION SPLICE	INTERCONNECT CABLE, MISC.: OVERLASH TO EXISTING INTERCONNECT	INTERCONNECT CABLE, MISC.: TERMINATION PANEL, 24 FIBER	INTERCONNECT, MISC.: CAT 5E CABLE, OUTDOOR RATED	INTERCONNECT, MISC.: SPLICE ENCLOSURE, DOME, 288 SPLICE	INTERCONNECT, MISC.: SPLICE ENCLOSURE, DOME, 800 SPLICE	MESSENGER WIRE, 7 STRAND, 1/4" DIAMETER WITH ACCESSORIES, AS PER PLAN	ROADSIDE UNIT RADIO, AS PER PLAN	SIGNALIZATION, MISC.: CCTV IP-CAMERA SYSTEM	SIGNALIZATION, MISC.: CELLULAR ETHERNET COMMUNICATIONS UNIT	CONTROLLER ITEM, MISC.: CV APPLICATION MODULE
			FROM	TO	FT	EACH	FT	FT	EACH	FT	EACH	FT	FT	EACH	FT	EACH	FT	EACH	EACH	FT	EACH	EACH	EACH	EACH
W CASE RD. BETWEEN STA. 1+00 AND 10+00, INT 4166																								
116	IC-1	ABBEY CHURCH RD	0+60, 35' RT	0+50, 35' RT								21	42		21									
116	SE A-1	ABBEY CHURCH RD	0+60, 35' RT									75	250	36					1					
116	IC-2	ABBEY CHURCH/WEST CASE	0+50, 35' RT	0+67, 22' LT								120								120				
116	TC-1	ABBEY CHURCH RD	0+52, 50' RT										40			2	40							1
116	IC-6	ABBEY CHURCH RD	0+52, 50' RT	0+50, 35' RT	15								30											
116	IC-5	ABBEY CHURCH RD	0+50, 35' RT										70											
116	IC-3	WEST CASE RD	0+67, 22' LT								2	35												
116	IC-4	WEST CASE RD	0+67, 22' LT	10+00, 14' LT			938		2	938		938												
116	EC-2	ABBEY CHURCH RD	0+52, 44' LT			1																		
116	EC-3	ABBEY CHURCH RD	0+36, 24' LT	0+50, 35' RT													103			80				
116	RSU-1	ABBEY CHURCH RD	0+36, 24' LT																		1			
116	CTV-1	ABBEY CHURCH RD	0+33, 20' LT																			1		
116	EC-1	ABBEY CHURCH RD	0+33, 20' LT	0+50, 35' RT													110			80				
116	EC-4	ABBEY CHURCH RD	0+50, 35' RT									70												
116	EC-5	ABBEY CHURCH RD	0+52, 50' RT	0+50, 35' RT													30							
W CASE RD. BETWEEN STA. 10+00 AND 21+00																								
117	IC-1	WEST CASE RD	10+00, 14' LT	21+00, 13' LT			1,100		2	1,100		1,100												
117	IC-2	WEST CASE RD	10+65, 14' LT						1			100												
W CASE RD. BETWEEN STA. 21+00 AND 32+00																								
118	IC-1	WEST CASE RD	21+00, 13' LT	27+97, 15' LT			698			698		698												
118	IC-2	WEST CASE RD	24+60, 13' LT						1			100												
118	IC-3	WEST CASE RD	27+97, 15' LT	28+95, 17' LT				196	2			98												
118	IC-4	WEST CASE RD	28+95, 17' LT	32+00, 14' LT			304			304		304												
W CASE RD. BETWEEN STA. 32+00 AND 43+00																								
119	IC-1	WEST CASE RD	32+00, 14' LT	32+63, 14' LT			63			63		63												
119	IC-2	WEST CASE RD	32+63, 14' LT	34+58, 13' LT				390	2			195												
119	IC-3	WEST CASE RD	34+58, 13' LT	39+02, 13' LT			444			444		444												
119	IC-4	WEST CASE RD	39+02, 13' LT						1			100												
119	IC-5	WEST CASE RD	39+02, 13' LT	39+96, 14' LT				190	1			95												
119	IC-6	WEST CASE RD	39+96, 14' LT	43+00, 12' LT			303			303		303												
W CASE RD. BETWEEN STA. 43+00 AND 54+00, INT 4247																								
120	IC-1	WEST CASE RD	43+00, 12' LT	44+86, 17' LT			186			186		186												
120	SE U-1	WEST CASE RD	44+86, 17' LT						1			75	125	12				1						
120	IC-2	WEST CASE RD	44+86, 17' LT	45+12, 19' LT			26			26			26											
120	IC-3	WEST CASE RD	45+12, 19' LT								2		35											
120	IC-4	WEST CASE RD	45+12, 19' LT	45+92, 26' RT									130							130				
120	TC-1	WEST CASE RD	45+92, 26' RT										20			1								
RIVERSIDE DR., INT 4147																								
121	TC-1	RIVERSIDE DR	391+56, 57' RT																					1
SHEET TOTAL					15	1	4,062	776	13	4,062	4	5,120	768	48	21	3	283	1	1	410	1	1	1	1

AERIAL SAG: 1.5% AERIAL SAG IS INCLUDED IN THE QUANTITIES FOR ANY AERIAL FIBER OR CABLE ITEMS.

3676-E

CIP: 540007-100060
PID NUMBER: 110521

WEST CASE RD BETWEEN STA. 0+00 & 54+00 AND RIVERSIDE DR
INTS 4166, 4247 AND 4147

CITY OF COLUMBUS TRAFFIC SIGNAL SYSTEM
(CTSS) PHASE F – FINAL SUBMITTAL

122
768

J:\Jobs\70202 – CTSS Phase F\TECHPROD\Sheets\CTSS_PhF_Trunk1_WEST_CASE_IC_QUANTITIES.dwg – WEST CASE RD-Q1 layout ~ last saved by: gburch 02/22/2022 09:41pm ~ printed 06/02/2022 10:00am PSLTS: 1 LTS: 1 CAS: 1:1

ESTIMATED QUANTITIES

SHEET NO.	REFERENCE NO.	LOCATION	STATION		633	633	633	633																	
					CONTROLLER ITEM, MISC.: FIBER OPTIC ETHERNET TRANSCEIVER, SHORT RANGE	CONTROLLER ITEM, MISC.: LAYER 2 ETHERNET SWITCH	CONTROLLER ITEM, MISC.: POE ENABLED LAYER 2 ETHERNET SWITCH	CONTROLLER UNIT, TYPE TS2/A2, AS PER PLAN																	
			FROM	TO	EACH	EACH	EACH	EACH																	
W CASE RD. BETWEEN STA. 1+00 AND 10+00, INT 4166																									
116	IC-1	ABBEY CHURCH RD	0+60, 35' RT	0+50, 35' RT																					
116	SE A-1	ABBEY CHURCH RD	0+60, 35' RT																						
116	IC-2	ABBEY CHURCH/WEST CASE	0+50, 35' RT	0+67, 22' LT																					
116	TC-1	ABBEY CHURCH RD	0+52, 50' RT		3		2																		
116	IC-6	ABBEY CHURCH RD	0+52, 50' RT	0+50, 35' RT																					
116	IC-5	ABBEY CHURCH RD	0+50, 35' RT																						
116	IC-3	WEST CASE RD	0+67, 22' LT																						
116	IC-4	WEST CASE RD	0+67, 22' LT	10+00, 14' LT																					
116	EC-2	ABBEY CHURCH RD	0+52, 44' LT																						
116	EC-3	ABBEY CHURCH RD	0+36, 24' LT	0+50, 35' RT																					
116	RSU-1	ABBEY CHURCH RD	0+36, 24' LT																						
116	CTV-1	ABBEY CHURCH RD	0+33, 20' LT																						
116	EC-1	ABBEY CHURCH RD	0+33, 20' LT	0+50, 35' RT																					
116	EC-4	ABBEY CHURCH RD	0+50, 35' RT																						
116	EC-5	ABBEY CHURCH RD	0+52, 50' RT	0+50, 35' RT																					
W CASE RD. BETWEEN STA. 10+00 AND 21+00																									
117	IC-1	WEST CASE RD	10+00, 14' LT	21+00, 13' LT																					
117	IC-2	WEST CASE RD	10+65, 14' LT																						
W CASE RD. BETWEEN STA. 21+00 AND 32+00																									
118	IC-1	WEST CASE RD	21+00, 13' LT	27+97, 15' LT																					
118	IC-2	WEST CASE RD	24+60, 13' LT																						
118	IC-3	WEST CASE RD	27+97, 15' LT	28+95, 17' LT																					
118	IC-4	WEST CASE RD	28+95, 17' LT	32+00, 14' LT																					
W CASE RD. BETWEEN STA. 32+00 AND 43+00																									
119	IC-1	WEST CASE RD	32+00, 14' LT	32+63, 14' LT																					
119	IC-2	WEST CASE RD	32+63, 14' LT	34+58, 13' LT																					
119	IC-3	WEST CASE RD	34+58, 13' LT	39+02, 13' LT																					
119	IC-4	WEST CASE RD	39+02, 13' LT																						
119	IC-5	WEST CASE RD	39+02, 13' LT	39+96, 14' LT																					
119	IC-6	WEST CASE RD	39+96, 14' LT	43+00, 12' LT																					
W CASE RD. BETWEEN STA. 43+00 AND 54+00, INT 4247																									
120	IC-1	WEST CASE RD	43+00, 12' LT	44+86, 17' LT																					
120	SE U-1	WEST CASE RD	44+86, 17' LT																						
120	IC-2	WEST CASE RD	44+86, 17' LT	45+12, 19' LT																					
120	IC-3	WEST CASE RD	45+12, 19' LT																						
120	IC-4	WEST CASE RD	45+12, 19' LT	45+92, 26' RT																					
120	TC-1	WEST CASE RD	45+92, 26' RT		1	1		1																	
RIVERSIDE DR., INT 4147																									
121	TC-1	RIVERSIDE DR	391+56, 57' RT			1		1																	
SHEET TOTAL					4	2	2	2	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-

AERIAL SAG: 1.5% AERIAL SAG IS INCLUDED IN THE QUANTITIES FOR ANY AERIAL FIBER OR CABLE ITEMS.

CIP: 540007-100060
PID NUMBER: 110521

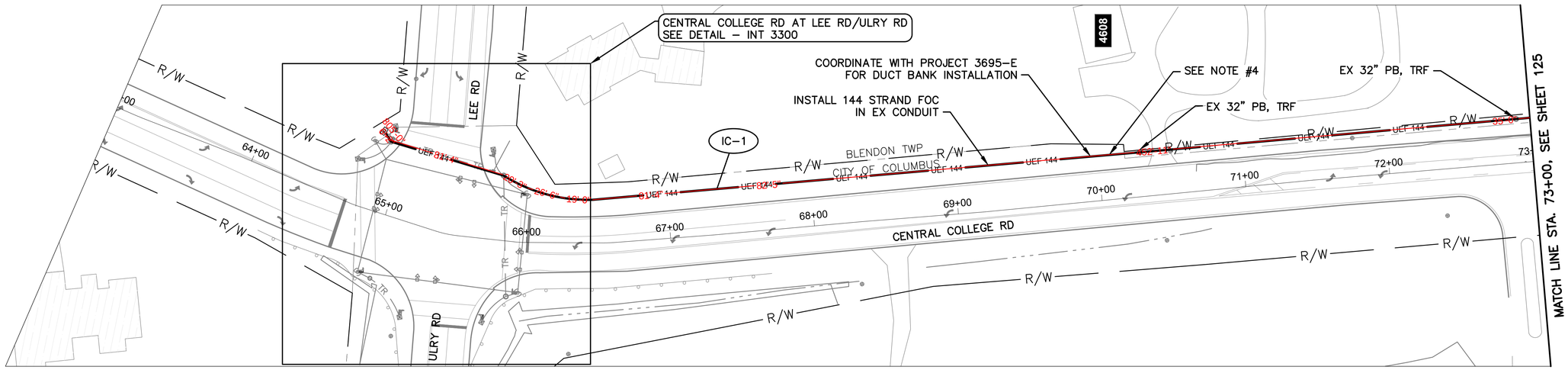
WEST CASE RD BETWEEN STA. 0+00 & 54+00 AND RIVERSIDE DR
INTS 4166, 4247 AND 4147

CITY OF COLUMBUS TRAFFIC SIGNAL SYSTEM
(CTSS) PHASE F – FINAL SUBMITTAL

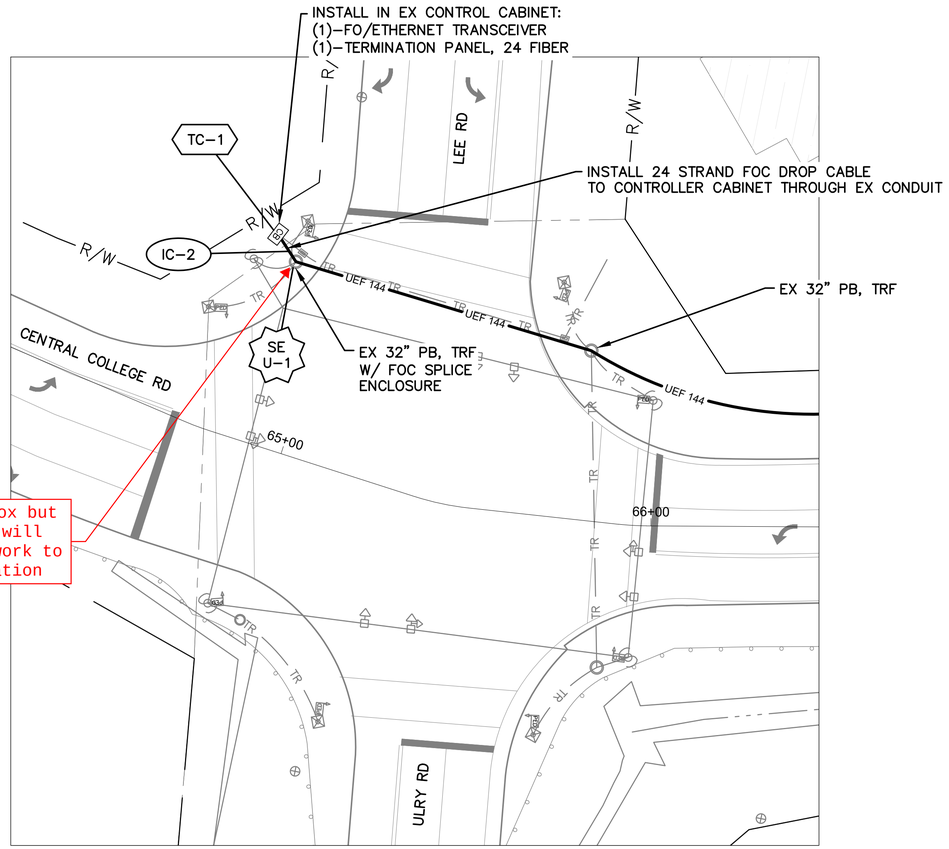
3676-E

123
768

J:\Jobs\70202 – CTSS Phase F\TECHPROD\Sheets\CTSS_PhF_Trunk1_WEST_CASE_IC_QUANTITIES.dwg – WEST CASE RD-Q2 layout ~ last saved by: gburch 02/22/2022 09:41pm ~ printed 06/02/2022 10:01am PSLTS: 1 LTS: 1 CAS: 1:1



CENTRAL COLLEGE RD BETWEEN STATION 63+00 AND 73+00



DETAIL - INT 3300

0 20 40

HORIZONTAL
SCALE IN FEET

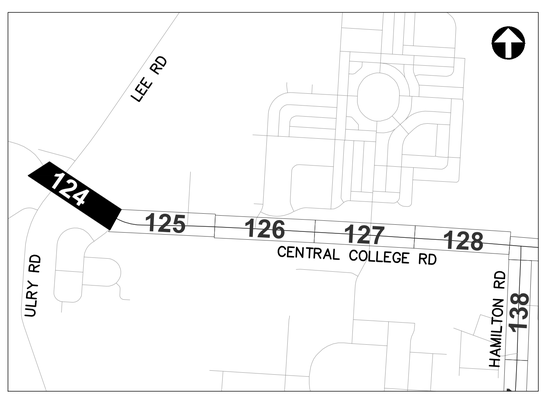
NOTES:

1. SEE SHEET 132 FOR QUANTITIES.
2. SEE SHEETS 461 & 544 FOR COMMUNICATION DETAILS.
3. REMOVE EXISTING CELLULAR MODEM FROM SIGNAL CONTROL CABINET AND RETURN TO CITY.
4. TRAFFIC CONDUIT AND PULL BOXES ARE TO BE INSTALLED BY CITY OF COLUMBUS PROJECT DR-E 3695.

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CITY OF COLUMBUS UTILITY LEGEND

- ☐ SEWER
- ☐ WATER
- ☐ POWER
- ☐ LIGHTING



REFER TO SHEET 7 FOR INTERCONNECT SHEET INDEX

KEY PLAN
NOT TO SCALE

3676-E

0 40 80
HORIZONTAL
SCALE IN FEET

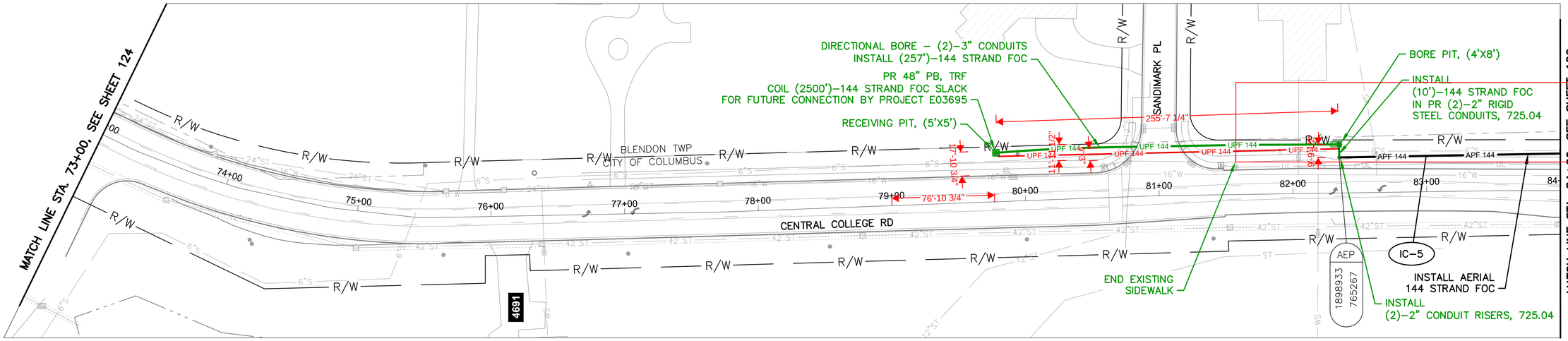
CIP: 540007-100060
PID NUMBER: 110521

INTERCONNECT PLAN
CENTTRAL COLLEGE RD BETWEEN STA. 63+00 AND 73+00, INT 3300

CITY OF COLUMBUS TRAFFIC SIGNAL SYSTEM
(CTSS) PHASE F – FINAL SUBMITTAL

124
768

\\colw00\PMWork\Jobs\70202 - CTSS Phase F\TECHPROD\Sheets\CTSS_PhF_Trunk2_CENTRAL COLLEGE_INTERCONNECT.dwg - CENTRAL COLLEGE-1 layout - last saved by: jbeans 06/01/2022 11:53pm PSLTS: 1 LTS: 1 CAS: 1:1
ed by: jbeans 06/01/2022 02:22pm - printed 06/01/2022 11:53pm PSLTS: 1 LTS: 1 CAS: 1:1



CENTRAL COLLEGE RD BETWEEN STATION 73+00 AND 84+00

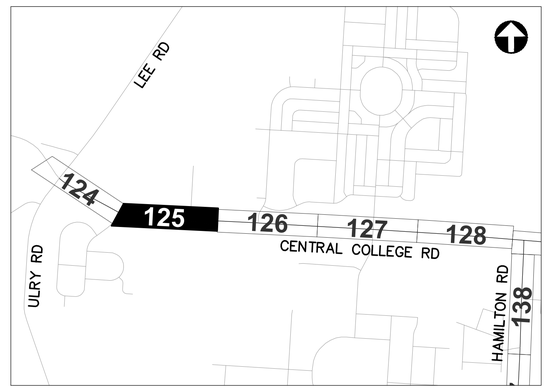
NOTES:

1. SEE SHEET 132 FOR QUANTITIES.
2. SEE SHEET 461 FOR COMMUNICATION DETAILS.
3. SIDEWALK AND PAVEMENT CONFIGURATION ON THIS SHEET ARE SHOWN AS FUTURE CONDITION, TO BE CONSTRUCTED BY PROJECT E03695.

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CITY OF COLUMBUS UTILITY LEGEND

☒	SEWER
☒	WATER
☐	POWER
☒	LIGHTING



REFER TO SHEET 7 FOR INTERCONNECT SHEET INDEX

KEY PLAN
NOT TO SCALE

5 DRAFT REVISION 5.0

3676-E

HORIZONTAL SCALE IN FEET
0 40 80

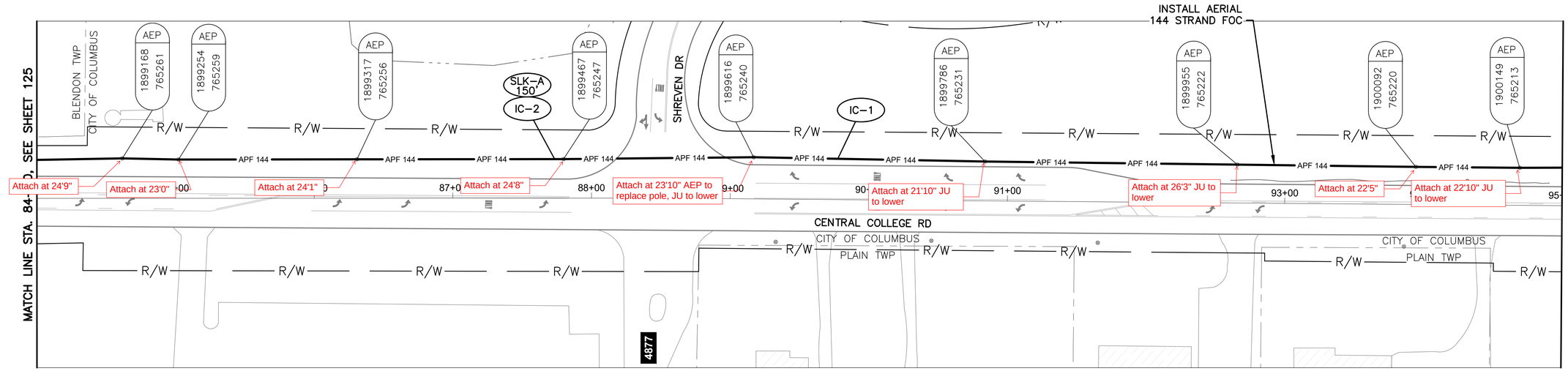
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PID NUMBER: 110521

INTERCONNECT PLAN
CENTTRAL COLLEGE RD BETWEEN STA. 73+00 AND 84+00

CITY OF COLUMBUS TRAFFIC SIGNAL SYSTEM
(CTSS) PHASE F – FINAL SUBMITTAL

125
768

J:\Jobs\70202 – CTSS Phase F\TECHPROD\Sheets\CTSS_PhF_Trunk2_CENTRAL COLLEGE_INTERCONNECT.dwg – CENTRAL COLLEGE–2 layout ~ last saved by: jkeen 12/18/2023 10:56am ~ printed 12/18/2023 11:27am PSLTS: 1 LTS: 1 CAS: 1:1



CENTRAL COLLEGE RD BETWEEN STATION 84+00 AND 95+00

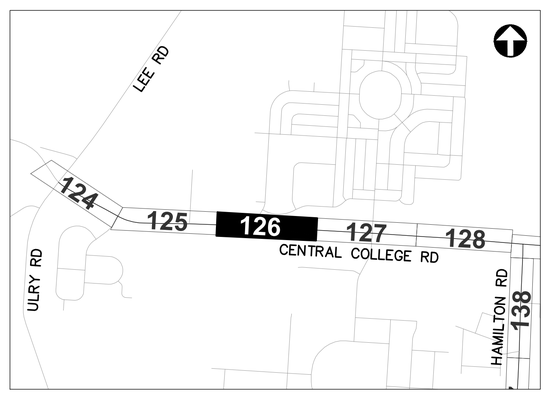
NOTES:

1. SEE SHEET 132 FOR QUANTITIES.
2. SEE SHEET 461 FOR COMMUNICATION DETAILS.

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CITY OF COLUMBUS UTILITY LEGEND

- ☐ SEWER
- ☐ WATER
- ☐ POWER
- ☐ LIGHTING



REFER TO SHEET 7 FOR INTERCONNECT SHEET INDEX

KEY PLAN
NOT TO SCALE

3676-E

HORIZONTAL SCALE IN FEET
0 40 80

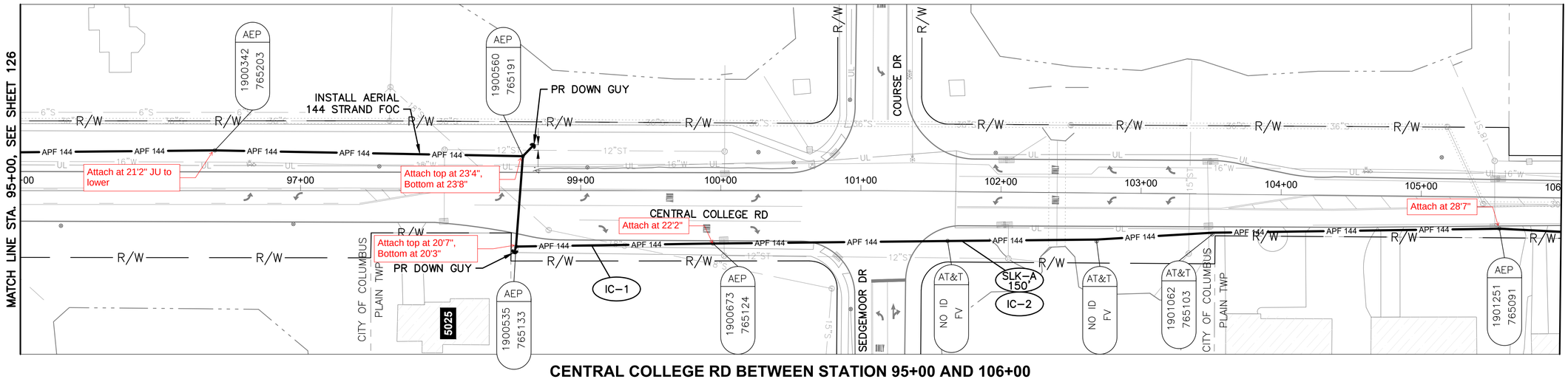
CIP: 540007-100060
PID NUMBER: 110521

INTERCONNECT PLAN
CENTTRAL COLLEGE RD BETWEEN STA. 84+00 AND 95+00

CITY OF COLUMBUS TRAFFIC SIGNAL SYSTEM
(CTSS) PHASE F – FINAL SUBMITTAL

126
768

\\colw001\PWWork\Jobs\70202 – CTSS Phase F\TECHPROD\Sheets\CTSS_PhF_Trunk2_CENTRAL COLLEGE_INTERCONNECT.dwg – CENTRAL COLLEGE-3 layout ~ last saved by: jbeans 06/01/2022 02:22pm ~ printed 06/01/2022 11:55pm PSLTS: 1 LTS: 1 CAS: 1:1



CENTRAL COLLEGE RD BETWEEN STATION 95+00 AND 106+00

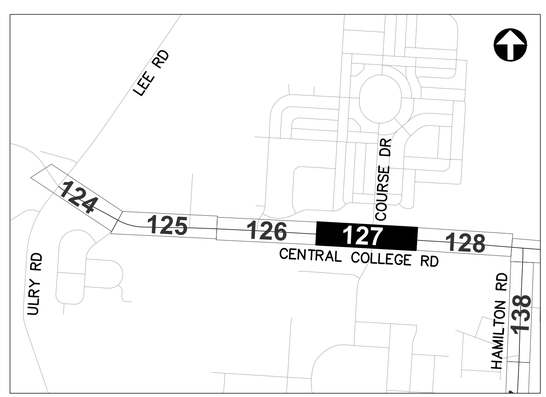
NOTES:

1. SEE SHEET 132 FOR QUANTITIES.
2. SEE SHEET 461 FOR COMMUNICATION DETAILS.

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CITY OF COLUMBUS UTILITY LEGEND

☒	SEWER
☒	WATER
☐	POWER
☒	LIGHTING



REFER TO SHEET 7 FOR INTERCONNECT SHEET INDEX

KEY PLAN
NOT TO SCALE

3676-E

HORIZONTAL SCALE IN FEET
0 40 80

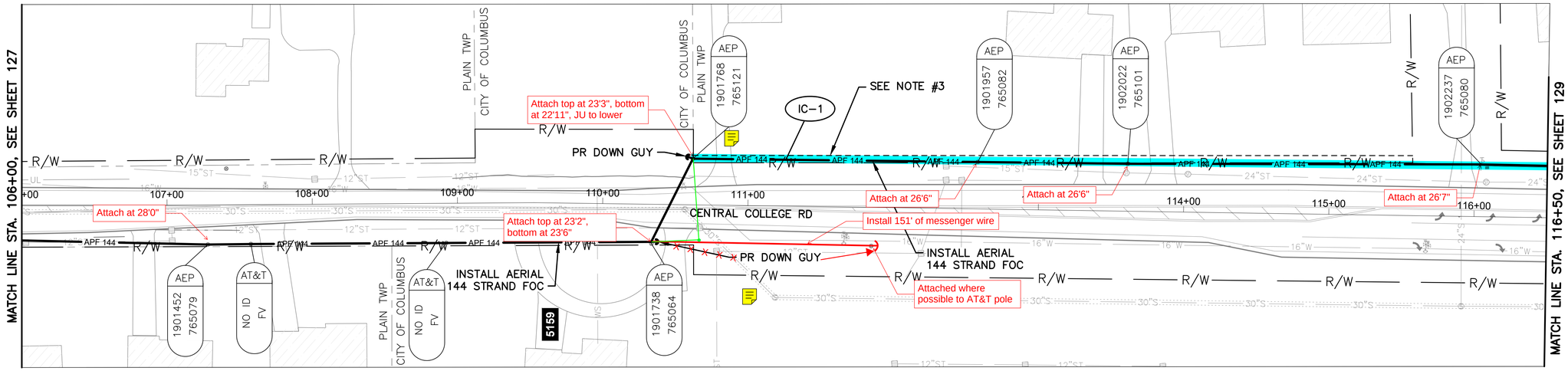
CIP: 540007-100060
PID NUMBER: 110521

INTERCONNECT PLAN
CENTTRAL COLLEGE RD BETWEEN STA. 95+00 AND 106+00

CITY OF COLUMBUS TRAFFIC SIGNAL SYSTEM
(CTSS) PHASE F – FINAL SUBMITTAL

127
768

\\colw001\PWWork\Jobs\70202 – CTSS Phase F\TECHPROD\Sheets\CTSS_PhF_Trunk2_CENTRAL COLLEGE_INTERCONNECT.dwg – CENTRAL COLLEGE-4 layout ~ last saved by: jbeans 06/01/2022 02:22pm ~ printed 06/01/2022 11:56pm PSLTS: 1 LTS: 1 CAS: 1:1



CENTRAL COLLEGE RD BETWEEN STATION 106+00 AND 116+50

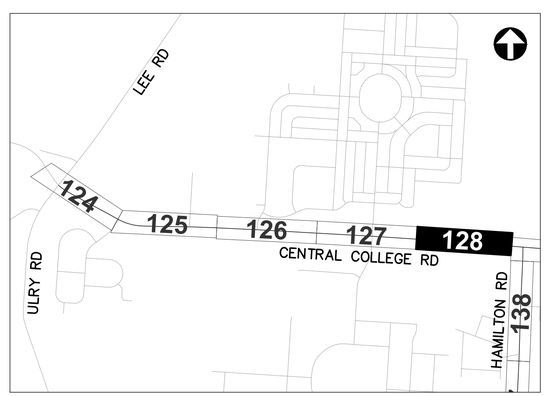
NOTES:

1. SEE SHEET 132 FOR QUANTITIES.
2. SEE SHEET 461 FOR COMMUNICATION DETAILS.
3. EXISTING LINEWORK SHOWN PER AEP EASEMENT 1078 4/10.

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CITY OF COLUMBUS UTILITY LEGEND

☒	SEWER
☒	WATER
☐	POWER
☐	LIGHTING



REFER TO SHEET 7 FOR INTERCONNECT SHEET INDEX

KEY PLAN
NOT TO SCALE

3676-E

HORIZONTAL SCALE IN FEET
0 40 80

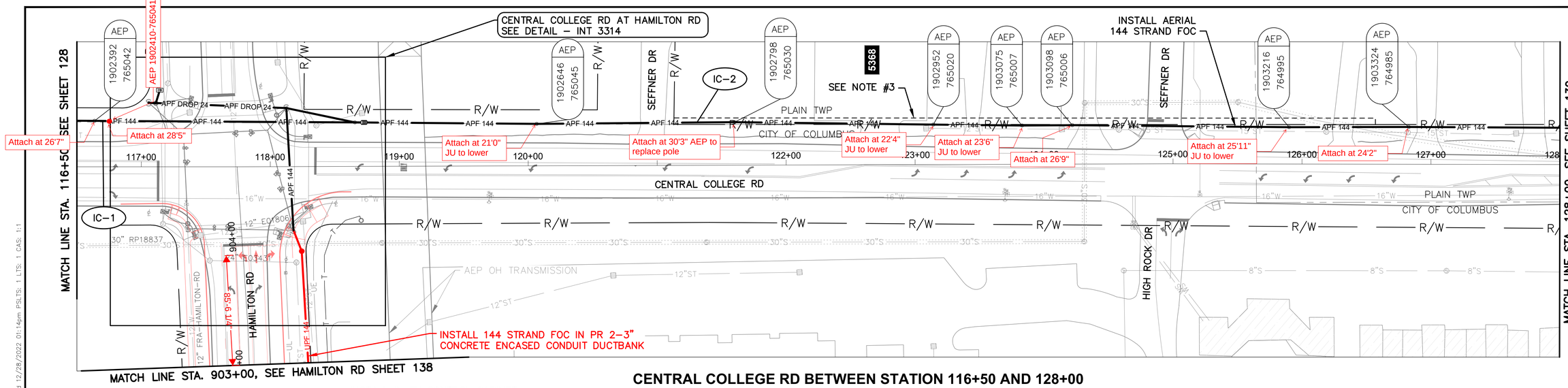
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PID NUMBER: 110521

INTERCONNECT PLAN
CENTTRAL COLLEGE RD BETWEEN STA. 106+00 AND 116+50

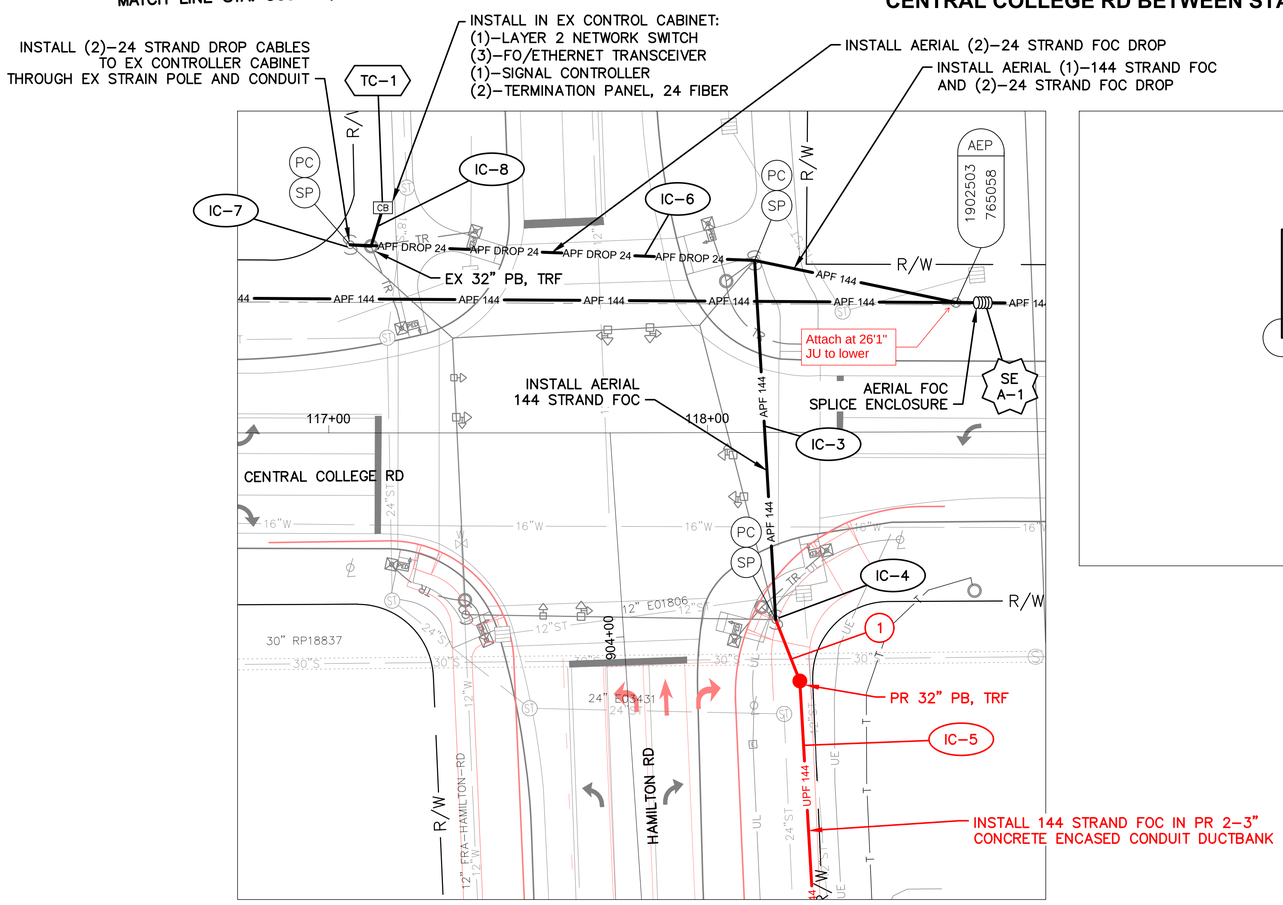
CITY OF COLUMBUS TRAFFIC SIGNAL SYSTEM
(CTSS) PHASE F – FINAL SUBMITTAL

128
768

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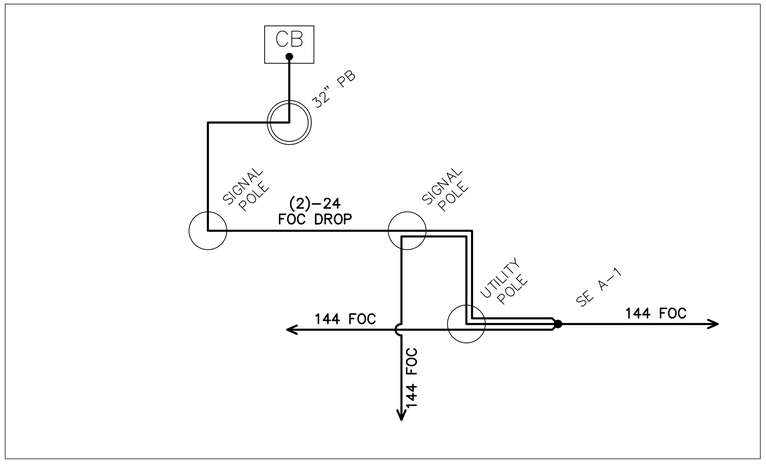


CENTRAL COLLEGE RD BETWEEN STATION 116+50 AND 128+00



DETAIL - INT 3314

HORIZONTAL SCALE IN FEET (0, 20, 40)



CABLE SCHEMATIC - INT 3314

NOT TO SCALE

NOTES:

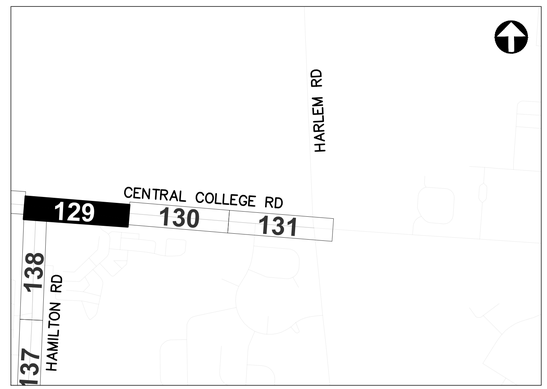
1. SEE SHEET 132 FOR QUANTITIES.
2. SEE SHEETS 461 & 545 FOR COMMUNICATION DETAILS.
3. EXISTING LINEWORK SHOWN PER AEP EASEMENT 1078 4/10.
4. COORDINATE CONDUIT INSTALLATION WITH HAMILTON RD. PHASE 3 (SR–161 TO CENTRAL COLLEGE RD.).

(#) EXISTING UTILITY CROSSING. SEE UTILITY CROSSING INFO SHEET 18.

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CITY OF COLUMBUS UTILITY LEGEND

- [x] SEWER
- [x] WATER
- [ ] POWER
- [x] LIGHTING



REFER TO SHEET 7 FOR INTERCONNECT SHEET INDEX

KEY PLAN
NOT TO SCALE

2 REVISION 2.0

3676-E

HORIZONTAL SCALE IN FEET (0, 40, 80)

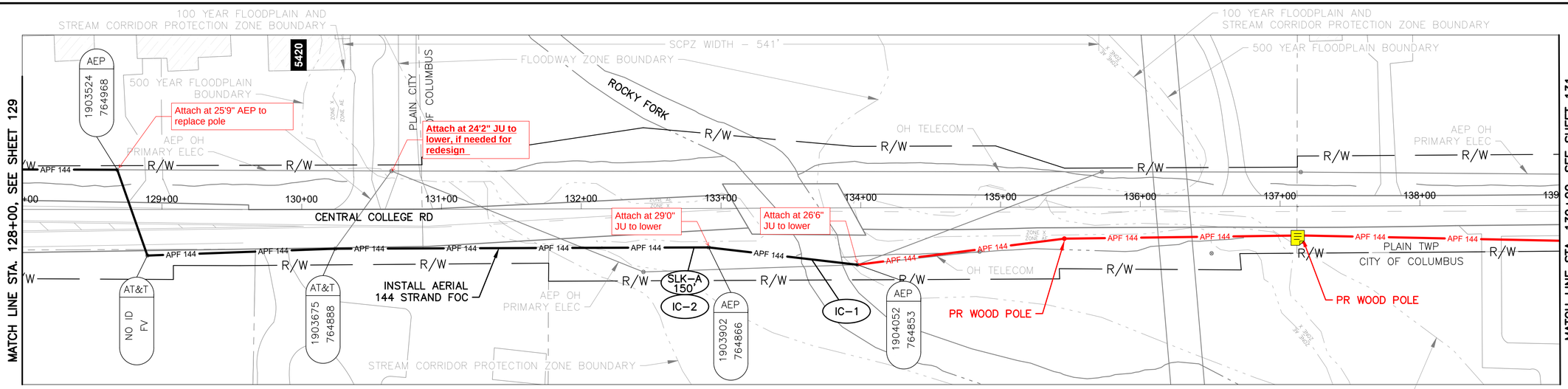
CIP: 540007–100060
PID NUMBER: 110521

INTERCONNECT PLAN
CENTTRAL COLLEGE RD BETWEEN STA. 116+50 AND 128+00, INT 3314

CITY OF COLUMBUS TRAFFIC SIGNAL SYSTEM
(CTSS) PHASE F – FINAL SUBMITTAL

129
768

\\colw00\PWork\Jobs\70202 – CTSS Phase F\TECHPROD\Sheets\CTSS_PhF_Trunk2_CENTRAL COLLEGE_INTERCONNECT1.dwg – CENTRAL COLLEGE–6 layout ~ last saved by: nseling 12/28/2022 11:22am ~ printed 12/28/2022 01:14pm PSLTS: 1 LTS: 1 CAS: 1:1



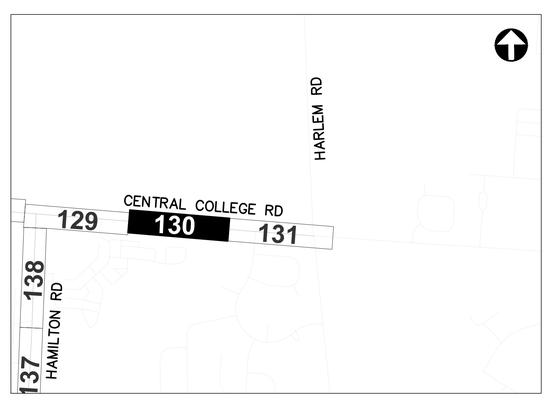
CENTRAL COLLEGE RD BETWEEN STATION 128+00 AND 139+00

NOTES:

1. SEE SHEET 132 FOR QUANTITIES.
2. SEE SHEET 461 FOR COMMUNICATION DETAILS.

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CITY OF COLUMBUS UTILITY LEGEND
- ☐ SEWER
- ☐ WATER
- ☐ POWER
- ☐ LIGHTING



REFER TO SHEET 7 FOR INTERCONNECT SHEET INDEX

KEY PLAN
NOT TO SCALE

2 REVISION 2.0

3676-E

HORIZONTAL SCALE IN FEET
0 40 80

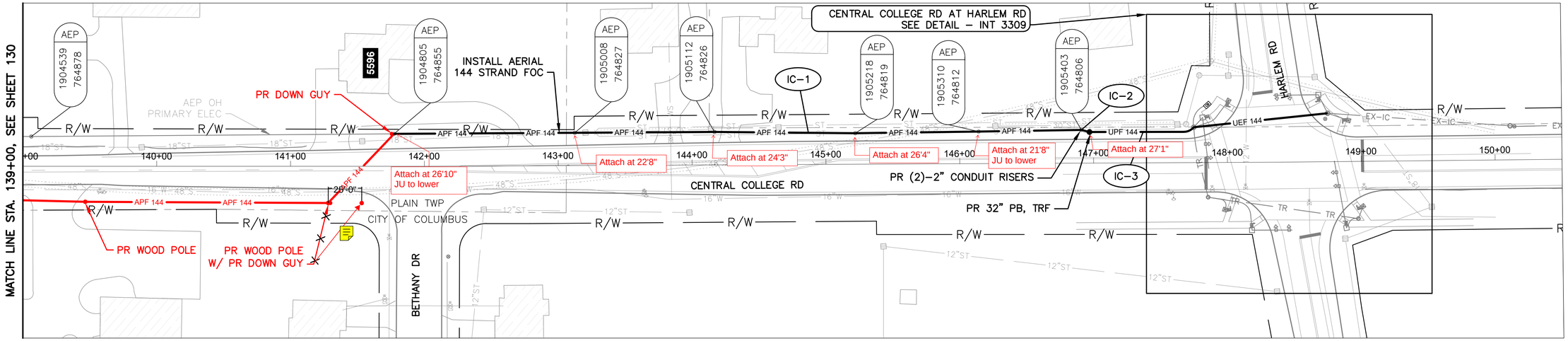
CIP: 540007-100060
PID NUMBER: 110521

INTERCONNECT PLAN
CENTTRAL COLLEGE RD BETWEEN STA. 128+00 AND 139+00

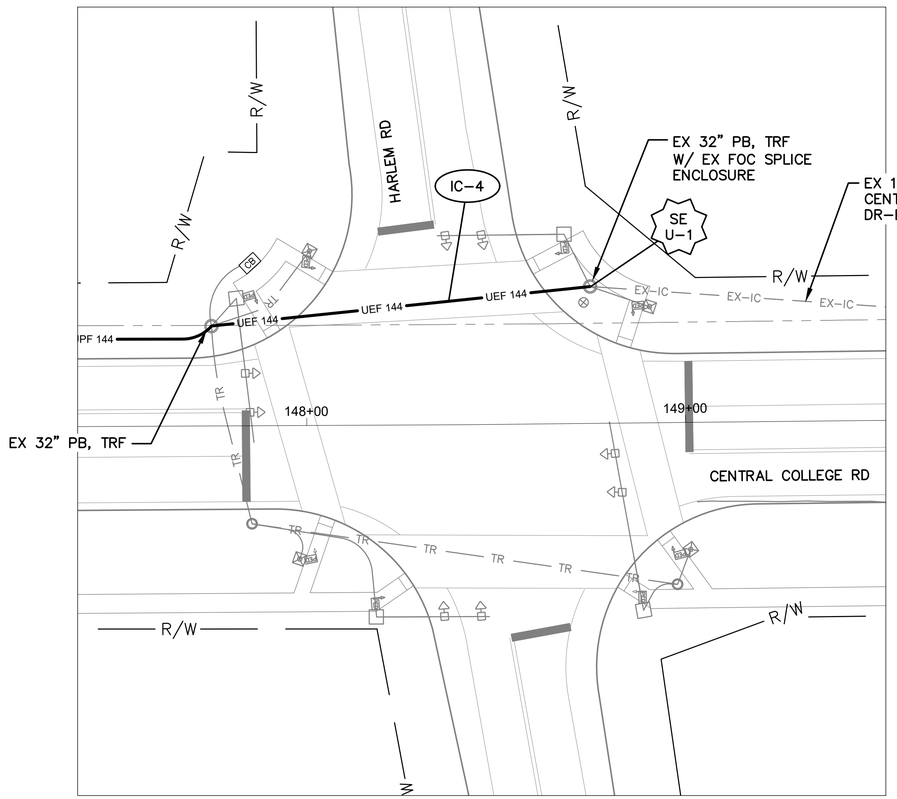
CITY OF COLUMBUS TRAFFIC SIGNAL SYSTEM
(CTSS) PHASE F - FINAL SUBMITTAL

130
768

\\colw00\PWWork\Jobs\70202 - CTSS Phase F\TECHPROD\Sheets\CTSS_PhF_Trunk2_CENTRAL COLLEGE_INTERCONNECT.dwg - CENTRAL COLLEGE-7 layout ~ last saved by: nseling 01/04/2023 03:26pm ~ printed 01/04/2023 03:30pm PSLTS: 1 LTS: 1 CAS: 1:1



CENTRAL COLLEGE RD BETWEEN STATION 139+00 AND 150+50



DETAIL - INT 3309

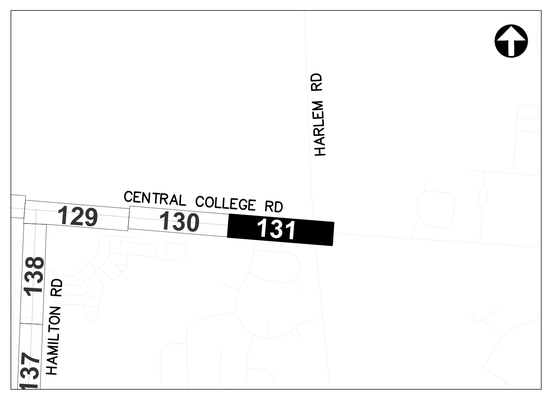
0 20 40
HORIZONTAL SCALE IN FEET

NOTES:

1. SEE SHEET 132 FOR QUANTITIES.
2. SEE SHEETS 461 & 546 FOR COMMUNICATION DETAILS.
3. CITY OF COLUMBUS PROJECT DR–E 3254 TO INSTALL INTERCONNECT CONDUIT, PULL BOXES, AND SPLICE ENCLOSURES THROUGH INTERSECTION AND TO EAST.
4. R/W IS SHOWN PER CITY OF COLUMBUS PROJECT DR–E 3254.

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www.oups.org

CITY OF COLUMBUS UTILITY LEGEND
- ☐ SEWER
- ☐ WATER
- ☐ POWER
- ☐ LIGHTING



REFER TO SHEET 7 FOR INTERCONNECT SHEET INDEX

KEY PLAN
NOT TO SCALE

2 REVISION 2.0

3676-E

0 40 80
HORIZONTAL SCALE IN FEET

CIP: 540007–100060
PID NUMBER: 110521

INTERCONNECT PLAN
CENTRAL COLLEGE RD BETWEEN STA. 139+00 AND 150+50, INT 3309

CITY OF COLUMBUS TRAFFIC SIGNAL SYSTEM
(CTSS) PHASE F – FINAL SUBMITTAL

131
768

\\colw00\PWWork\Jobs\70202 – CTSS Phase F\TECHPROD\Sheets\CTSS_PhF_Trunk2_CENTRAL COLLEGE_INTERCONNECT.dwg – CENTRAL COLLEGE-8 layout ~ last saved by: nseling 01/04/2023 03:26pm ~ printed 01/04/2023 03:34pm PSLTS: 1 LTS: 1 CAS: 1:1

ESTIMATED QUANTITIES

SHEET NO.	REFERENCE NO.	LOCATION	STATION		202	625	625	625	632	632	632	632	632	632	632	632	632	633	633	633			
					EXISTING CONDUIT CLEANED, AS PER PLAN	CONDUIT, CONCRETE ENCASED, 2-3", 725.051, AS PER PLAN	PULL BOX, CONCRETE 32", AS PER PLAN	TRENCH, 36" DEEP, AS PER PLAN	CONDUIT RISER, 2", 725.04, AS PER PLAN	DOWN GUY	INTERCONNECT CABLE, MISC.: FIBER OPTIC CABLE, 144 STRAND	INTERCONNECT CABLE, MISC.: FIBER OPTIC DROP CABLE, 24 STRAND	INTERCONNECT CABLE, MISC.: FIBER OPTIC FUSION SPLICE	INTERCONNECT CABLE, MISC.: TERMINATION PANEL, 24 FIBER	INTERCONNECT, MISC.: SPLICE ENCLOSURE, DOME, 288 SPLICE	INTERCONNECT, MISC.: SPLICE ENCLOSURE, DOME, 800 SPLICE	MESSENGER WIRE, 7 STRAND, 1/4" DIAMETER WITH ACCESSORIES, AS PER PLAN	WOOD POLE, CLASS 5, 35 FT	CONTROLLER ITEM, MISC.: FIBER OPTIC ETHERNET TRANSCEIVER, SHORT RANGE	CONTROLLER ITEM, MISC.: LAYER 2 ETHERNET SWITCH	CONTROLLER UNIT, TYPE TS2/A2, AS PER PLAN			
			FROM	TO	FT	FT	EACH	FT	EACH	EACH	FT	FT	EACH	EACH	EACH	EACH	FT	EACH	EACH	EACH	EACH			
CENTRAL COLLEGE RD. BETWEEN STA. 63+00 AND 73+00, INT 3300																							
124	TC-1	CENTRAL COLLEGE RD	64+82, 55' LT									20		1					1				
124	IC-2	CENTRAL COLLEGE RD	64+82, 55' LT	64+88, 49' LT	9							9											
124	SE U-1	CENTRAL COLLEGE RD	64+88, 49' LT								75	125	12		1								
124	IC-1	CENTRAL COLLEGE RD	64+88, 49' LT	73+00, 30' LT	798						798												
CENTRAL COLLEGE RD. BETWEEN STA. 73+00 AND 84+00																							
125	IC-1	CENTRAL COLLEGE RD	73+00, 30' LT	81+31, 36' LT	816						816												
125	IC-2	CENTRAL COLLEGE RD	76+33, 32' LT								100												
125	IC-3	CENTRAL COLLEGE RD	81+31, 36' LT	81+49, 36' LT		18		18			18												
125	IC-4	CENTRAL COLLEGE RD	81+49, 36' LT						2		35							1					
125	IC-5	CENTRAL COLLEGE RD	81+49, 36' LT	84+00, 28' LT							256						256						
CENTRAL COLLEGE RD. BETWEEN STA. 84+00 AND 95+00																							
126	IC-1	CENTRAL COLLEGE RD	84+00, 28' LT	95+00, 27' LT							1,117						1,117						
126	IC-2	CENTRAL COLLEGE RD	87+73, 28' LT								150												
CENTRAL COLLEGE RD. BETWEEN STA. 95+00 AND 106+00																							
127	IC-1	CENTRAL COLLEGE RD	95+00, 27' LT	106+00, 24' RT						2	1,187						1,187						
127	IC-2	CENTRAL COLLEGE RD	101+72, 35' RT								150												
CENTRAL COLLEGE RD. BETWEEN STA. 106+00 AND 116+50																							
128	IC-1	CENTRAL COLLEGE RD	106+00, 24' RT	116+50, 36' LT						2	1,103						1,103						
CENTRAL COLLEGE RD. BETWEEN STA. 116+50 AND 128+00, INT 3314																							
129	IC-1	CENTRAL COLLEGE RD	116+50, 36' LT	118+73, 34' LT							226						226						
129	IC-8	CENTRAL COLLEGE RD	117+06, 50' LT	117+14, 59' LT	16							32											
129	IC-7	CENTRAL COLLEGE RD	117+06, 50' LT									70											
129	IC-6	CENTRAL COLLEGE RD	117+06, 50' LT	118+73, 34' LT								341					171						
129	TC-1	CENTRAL COLLEGE RD	117+14, 59' LT									40		2					3	1	1		
129	IC-5	CENTRAL COLLEGE RD	118+18, 49' RT	118+29, 153' RT		104	1	104			104												
129	IC-3	CENTRAL COLLEGE RD	118+18, 49' RT	118+73, 34' LT							158						158						
129	IC-4	CENTRAL COLLEGE RD	118+18, 49' RT								35												
129	SE A-1	CENTRAL COLLEGE RD	118+73, 34' LT								225	250	168			1							
129	IC-2	CENTRAL COLLEGE RD	118+73, 34' LT	128+00, 29' LT							941						941						
CENTRAL COLLEGE RD. BETWEEN STA. 128+00 AND 139+00																							
130	IC-1	CENTRAL COLLEGE RD	128+00, 29' LT	139+00, 22' RT							1,145						1,145	2					
130	IC-2	CENTRAL COLLEGE RD	132+81, 28' RT								150												
CENTRAL COLLEGE RD. BETWEEN STA. 139+00 AND 150+50, INT 3309																							
131	IC-1	CENTRAL COLLEGE RD	139+00, 22' RT	146+91, 25' LT						2	813						813	2					
131	IC-2	CENTRAL COLLEGE RD	146+91, 25' LT						2		35												
131	IC-3	CENTRAL COLLEGE RD	146+91, 25' LT	147+75, 26' LT		85	1	85			85												
131	IC-4	CENTRAL COLLEGE RD	147+75, 26' LT	148+75, 36' LT	101						101												
131	SE U-1	CENTRAL COLLEGE RD	148+75, 36' LT								75		144										
SHEET TOTAL					1,740	207	2	207	4	6	9,898	887	324	3	1	1	7,117	5	4	1	1	-	-	-

AERIAL SAG: 1.5% AERIAL SAG IS INCLUDED IN THE QUANTITIES FOR ANY AERIAL FIBER OR CABLE ITEMS.

2 REVISION 2.0

3676-E

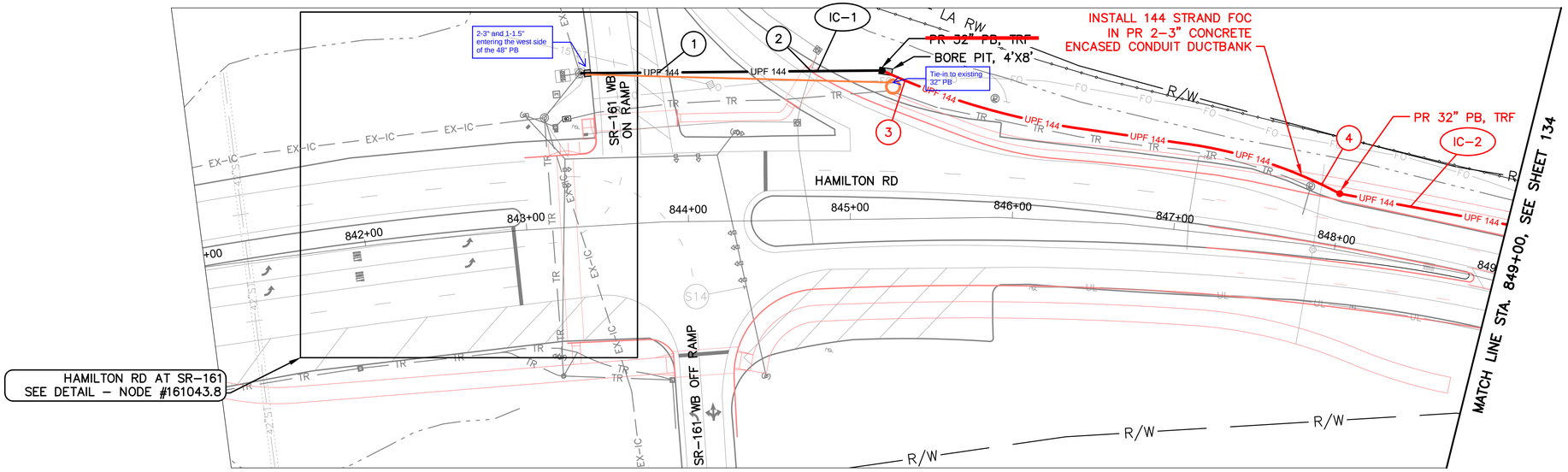
CIP: 540007-100060
PID NUMBER: 110521

CENTRAL COLLEGE RD BETWEEN STA. 63+00 & 150+50
INTS 3300, 3314, AND 3309

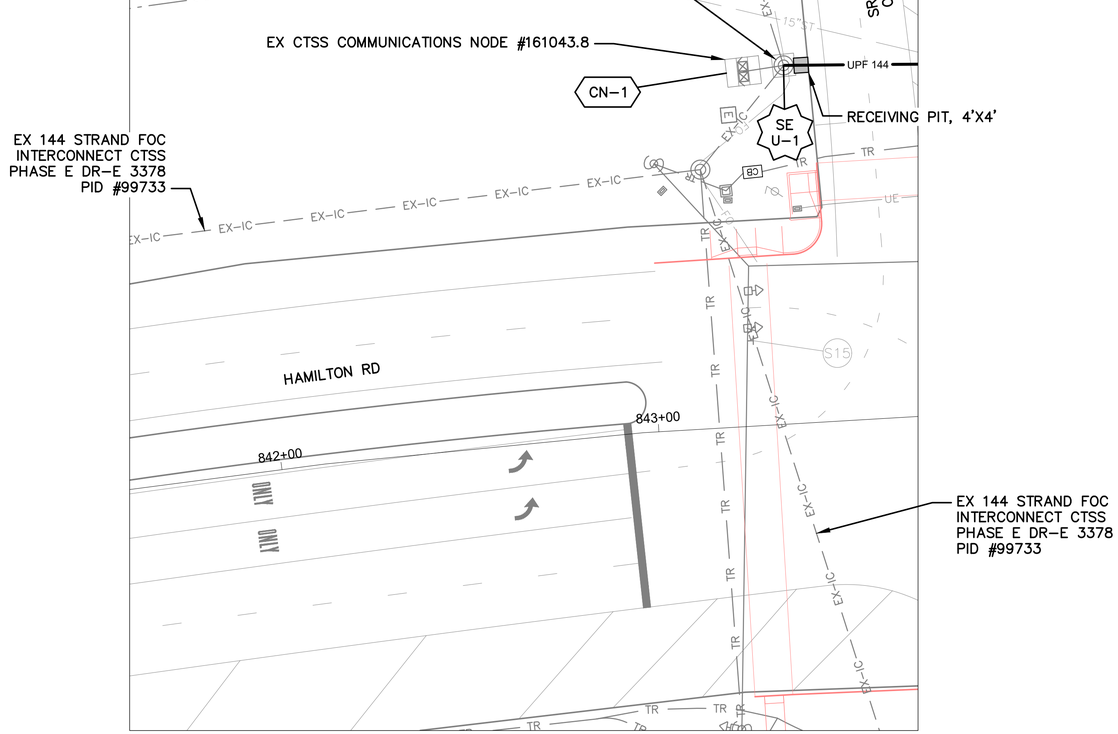
CITY OF COLUMBUS TRAFFIC SIGNAL SYSTEM
(CTSS) PHASE F – FINAL SUBMITTAL

132
768

\\colw001\PMWork\Jobs\70202 – CTSS Phase F\TECHPROD\Sheets\CTSS_PhF_Trunk2_CENTRAL_COLLEGE_JC_QUANTITIES.dwg – CENTRAL COLLEGE RD-Q1 layout ~ last saved by: nseling 01/04/2023 03:26pm ~ printed 01/04/2023 03:34pm PSLTS: 1 LTS: 1 CAS: 1:1



HAMILTON RD BETWEEN STATION 841+00 AND 849+00



DETAIL - NODE #161043.8

0 20 40
HORIZONTAL SCALE IN FEET

NOTES:

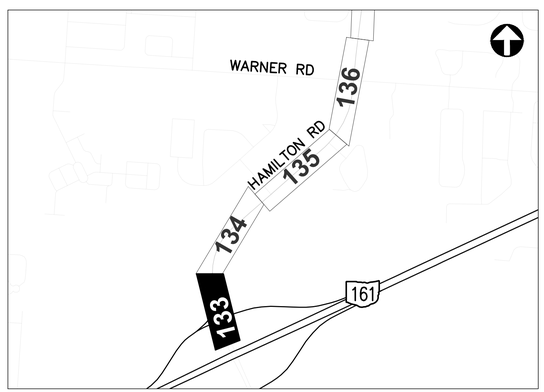
1. SEE SHEET 139 FOR QUANTITIES.
2. SEE SHEETS 464 & 703 FOR COMMUNICATION DETAILS.
3. COORDINATE CONDUIT INSTALLATION WITH HAMILTON RD. PHASE 3 (SR-161 TO CENTRAL COLLEGE RD.).

(#) EXISTING UTILITY CROSSING. SEE UTILITY CROSSING INFO SHEET 18.

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CITY OF COLUMBUS UTILITY LEGEND

☒	SEWER
☐	WATER
☐	POWER
☒	LIGHTING



REFER TO SHEET 7 FOR INTERCONNECT SHEET INDEX

KEY PLAN
NOT TO SCALE

2 REVISION 2.0

3676-E

HORIZONTAL SCALE IN FEET
0 40 80

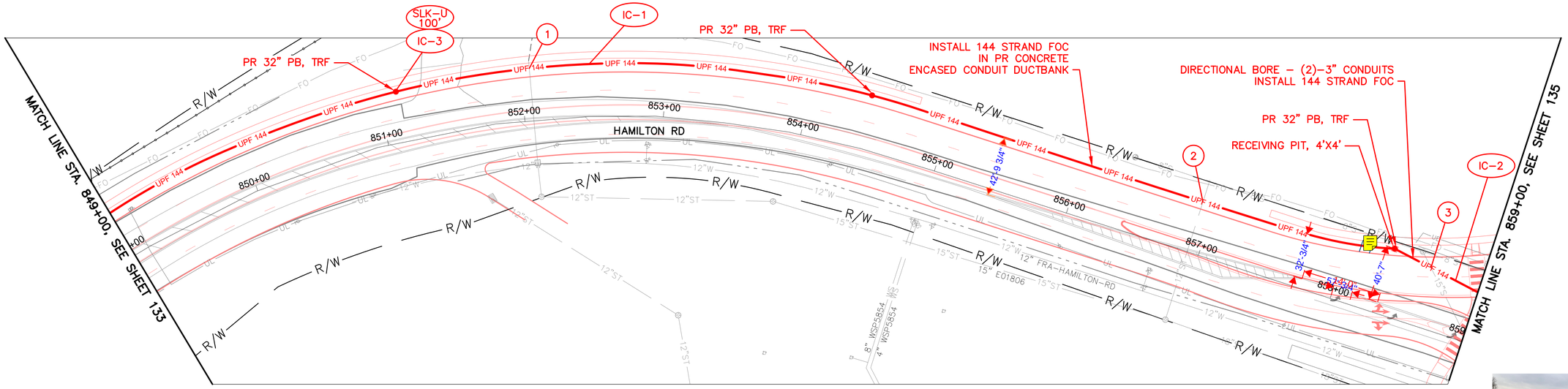
CIP: 540007-100060
PID NUMBER: 110521

INTERCONNECT PLAN
HAMILTON RD BETWEEN STA. 841+00 AND 849+00, NODE #161043.8

CITY OF COLUMBUS TRAFFIC SIGNAL SYSTEM
(CTSS) PHASE F - FINAL SUBMITTAL

133
768

\\colw00\PWWork\Jobs\70202 - CTSS Phase F\TECHPROD\Sheets\CTSS_PhF_Trunk2_HAMILTON_INTERCONNECT.dwg - HAMILTON-1 layout ~ last saved by: nseling 12/28/2022 12:29pm ~ printed 12/28/2022 01:17pm PSLTS: 1 LTS: 1 CAS: 1:1



HAMILTON RD BETWEEN STATION 849+00 AND 859+00



NOTES:

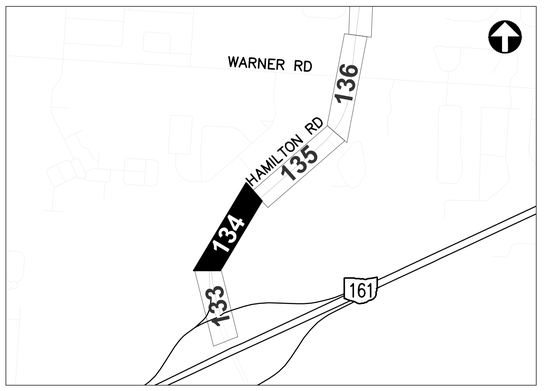
1. SEE SHEET 139 FOR QUANTITIES.
2. SEE SHEET 461 FOR COMMUNICATION DETAILS.
3. COORDINATE CONDUIT INSTALLATION WITH HAMILTON RD. PHASE 3 (SR-161 TO CENTRAL COLLEGE RD.).

(#) EXISTING UTILITY CROSSING. SEE UTILITY CROSSING INFO SHEET 18.

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CITY OF COLUMBUS UTILITY LEGEND

- ☒ SEWER
- ☒ WATER
- ☒ POWER
- ☒ LIGHTING



REFER TO SHEET 7 FOR INTERCONNECT SHEET INDEX

KEY PLAN
NOT TO SCALE

2 REVISION 2.0

3676-E

HORIZONTAL SCALE IN FEET
0 40 80

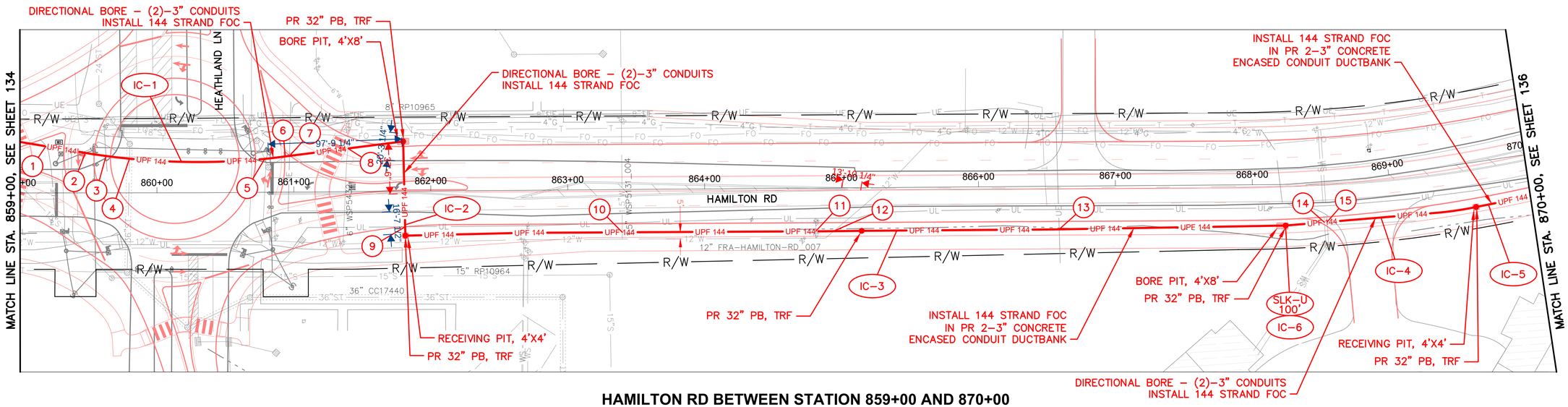
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PID NUMBER: 110521

INTERCONNECT PLAN
BETWEEN STA. 849+00 AND 859+00
HAMILTON RD

CITY OF COLUMBUS TRAFFIC SIGNAL SYSTEM
(CTSS) PHASE F - FINAL SUBMITTAL

134
768

\\colw00\PWWork\Jobs\70202 - CTSS Phase F\TECHPROD\Sheets\CTSS_PhF_Trunk2_HAMILTON_INTERCONNECT.dwg - HAMILTON-2 layout ~ last saved by: nseling 12/28/2022 12:29pm ~ printed 12/28/2022 01:20pm PSLTs: 1 LTS: 1 CAS: 1:1



HAMILTON RD BETWEEN STATION 859+00 AND 870+00

NOTES:

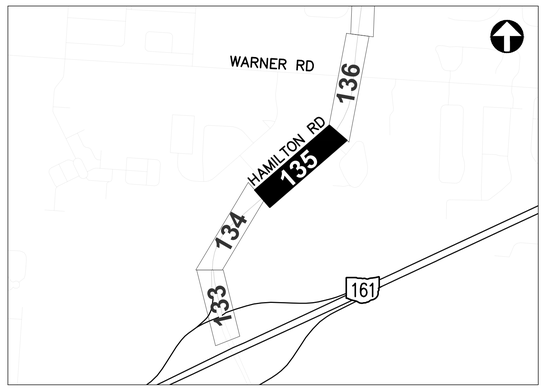
1. SEE SHEET 139 FOR QUANTITIES.
2. SEE SHEETS 461 & 548 FOR COMMUNICATION DETAILS.
3. COORDINATE CONDUIT INSTALLATION WITH HAMILTON RD. PHASE 3 (SR–161 TO CENTRAL COLLEGE RD.).

(#) EXISTING UTILITY CROSSING. SEE UTILITY CROSSING INFO SHEET 18.

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CITY OF COLUMBUS UTILITY LEGEND

- ☒ SEWER
- ☒ WATER
- ☒ POWER
- ☒ LIGHTING



REFER TO SHEET 7 FOR INTERCONNECT SHEET INDEX

KEY PLAN
NOT TO SCALE

2 REVISION 2.0

3676-E

HORIZONTAL SCALE IN FEET
0 40 80

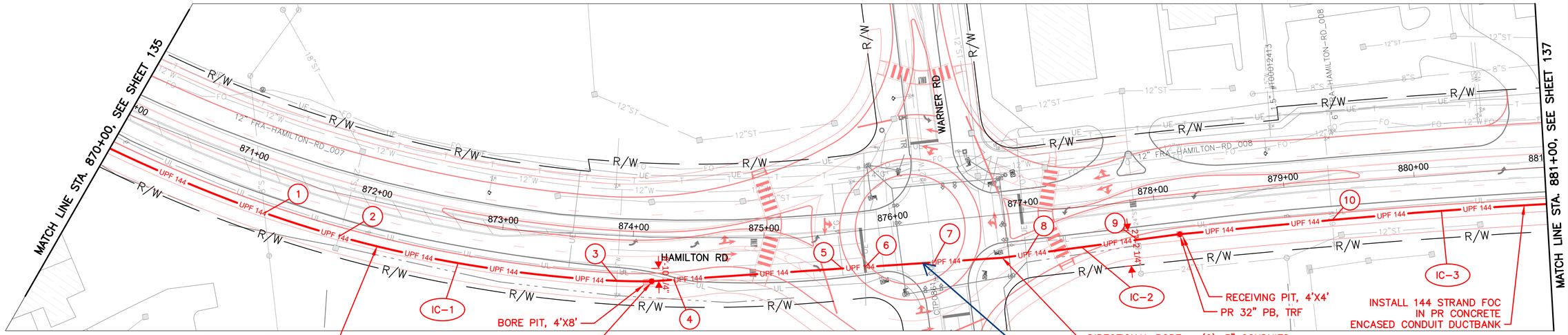
CIP: 540007–100060
PID NUMBER: 110521

INTERCONNECT PLAN
BETWEEN STA. 859+00 AND 870+00
HAMILTON RD

CITY OF COLUMBUS TRAFFIC SIGNAL SYSTEM
(CTSS) PHASE F – FINAL SUBMITTAL

135
768

\\colw00\PWWork\Jobs\70202 – CTSS Phase F\TECHPROD\Sheets\CTSS_PhF_Trunk2_HAMILTON_INTERCONNECT.dwg – HAMILTON–3 layout ~ last saved by: nseling 12/28/2022 01:58pm ~ printed 12/28/2022 02:02pm PSLTS: 1 LTS: 1 CAS: 1:1



HAMILTON RD BETWEEN STATION 870+00 AND 881+00

Depth of 2-3" conduits crossing Warner Rd = 12'
Due to existing depth of Underground Utilities
#5 - Gas = 3Ft
#6 - Elect = 4Ft
Fiber Optic = 6 Ft
#7 - 12" Water = 9 Ft

NOTES:

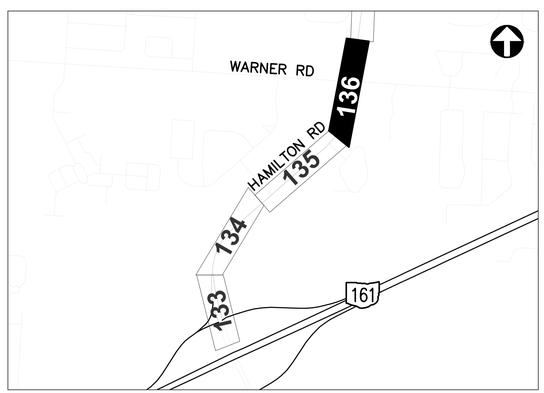
1. SEE SHEET 139 FOR QUANTITIES.
2. SEE SHEETS 461 & 547 FOR COMMUNICATION DETAILS.
3. COORDINATE CONDUIT INSTALLATION WITH HAMILTON RD. PHASE 3 (SR-161 TO CENTRAL COLLEGE RD.).

(#) EXISTING UTILITY CROSSING. SEE UTILITY CROSSING INFO SHEET 18.

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CITY OF COLUMBUS UTILITY LEGEND

- SEWER
- WATER
- POWER
- LIGHTING



REFER TO SHEET 7 FOR INTERCONNECT SHEET INDEX

KEY PLAN
NOT TO SCALE

2 REVISION 2.0

3676-E

HORIZONTAL SCALE IN FEET
0 40 80

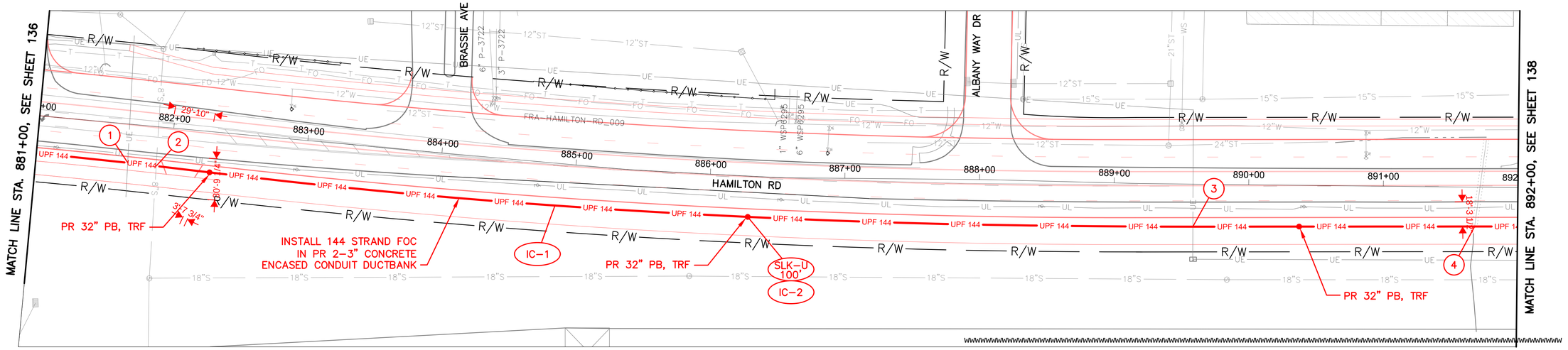
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PID NUMBER: 110521

INTERCONNECT PLAN
HAMILTON RD BETWEEN STA. 870+00 AND 881+00

CITY OF COLUMBUS TRAFFIC SIGNAL SYSTEM
(CTSS) PHASE F - FINAL SUBMITTAL

136
768

\\colw00\PWWork\Jobs\70202 - CTSS Phase F\TECHPROD\Sheets\CTSS_PhF_Trunk2_HAMILTON_INTERCONNECT.dwg - HAMILTON-4 layout ~ last saved by: nseling 12/28/2022 01:58pm ~ printed 12/28/2022 02:05pm PSLTS: 1 LTS: 1 CAS: 1:1



HAMILTON RD BETWEEN STATION 881+00 AND 892+00

NOTES:

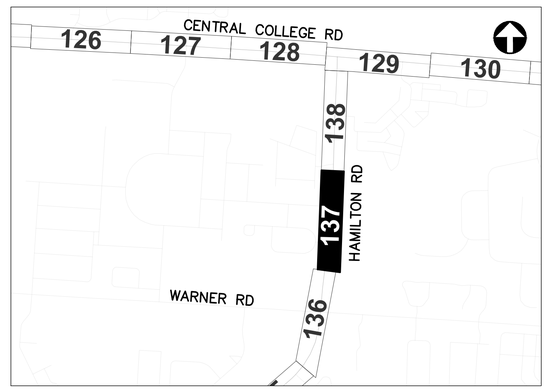
1. SEE SHEET 139 FOR QUANTITIES.
2. SEE SHEET 461 FOR COMMUNICATION DETAILS.
3. COORDINATE CONDUIT INSTALLATION WITH HAMILTON RD. PHASE 3 (SR-161 TO CENTRAL COLLEGE RD.).

(#) EXISTING UTILITY CROSSING. SEE UTILITY CROSSING INFO SHEET 18.

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CITY OF COLUMBUS UTILITY LEGEND

- ☒ SEWER
- ☒ WATER
- ☒ POWER
- ☒ LIGHTING



REFER TO SHEET 7 FOR INTERCONNECT SHEET INDEX

KEY PLAN
NOT TO SCALE

2 REVISION 2.0

3676-E

HORIZONTAL SCALE IN FEET
0 40 80

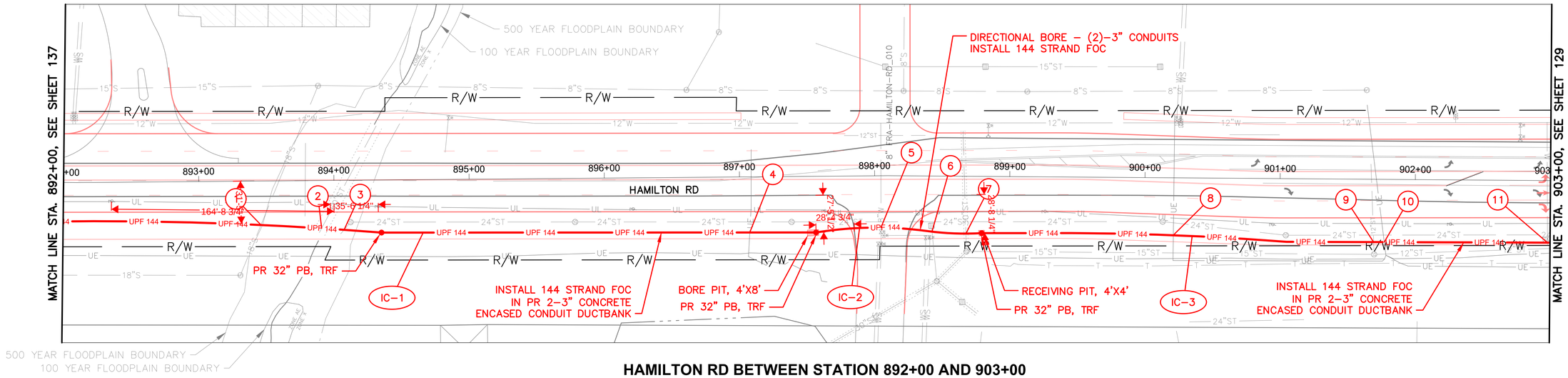
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PID NUMBER: 110521

INTERCONNECT PLAN
HAMILTON RD BETWEEN STA. 881+00 AND 892+00

CITY OF COLUMBUS TRAFFIC SIGNAL SYSTEM
(CTSS) PHASE F - FINAL SUBMITTAL

137
768

\\colw00\PWWork\Jobs\70202 - CTSS Phase F\TECHPROD\Sheets\CTSS_PhF_Trunk2_HAMILTON_INTERCONNECT.dwg - HAMILTON-5 layout ~ last saved by: nseling 12/28/2022 12:29pm ~ printed 12/28/2022 01:28pm PSLTS: 1 LTS: 1 CAS: 1:1



HAMILTON RD BETWEEN STATION 892+00 AND 903+00

NOTES:

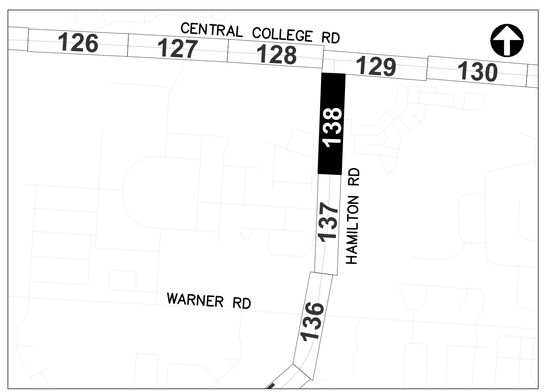
1. SEE SHEET 139 FOR QUANTITIES.
2. SEE SHEET 461 FOR COMMUNICATION DETAILS.
3. COORDINATE CONDUIT INSTALLATION WITH HAMILTON RD. PHASE 3 (SR–161 TO CENTRAL COLLEGE RD.).

(#) EXISTING UTILITY CROSSING. SEE UTILITY CROSSING INFO SHEET 18.

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CITY OF COLUMBUS UTILITY LEGEND

- SEWER
- WATER
- POWER
- LIGHTING



REFER TO SHEET 7 FOR INTERCONNECT SHEET INDEX

KEY PLAN
NOT TO SCALE

2 REVISION 2.0

3676-E

HORIZONTAL SCALE IN FEET
0 40 80

CIP: 540007–100060
PID NUMBER: 110521

INTERCONNECT PLAN
HAMILTON RD BETWEEN STA. 892+00 AND 903+00

CITY OF COLUMBUS TRAFFIC SIGNAL SYSTEM
(CTSS) PHASE F – FINAL SUBMITTAL

138
768

\\colw00\PWWork\Jobs\70202 – CTSS Phase F\TECHPROD\Sheets\CTSS_PhF_Trunk2_HAMILTON_INTERCONNECT.dwg – HAMILTON–6 layout ~ last saved by: nseling 12/28/2022 12:29pm ~ printed 12/28/2022 12:29pm ~ PSLTS: 1 LTS: 1 CAS: 1:1

ESTIMATED QUANTITIES

SHEET NO.	REFERENCE NO.	LOCATION	STATION FROM	STATION TO	625 CONDUIT, CONCRETE ENCASED, 2-3", 725.051, AS PER PLAN FT	625 CONDUIT, JACKED OR DRILLED, 3", AS PER PLAN FT	625 PULL BOX, CONCRETE 32", AS PER PLAN EACH	625 TRENCH, 36" DEEP, AS PER PLAN FT	632 INTERCONNECT CABLE, MISC.: FIBER OPTIC CABLE, 144 STRAND FT	632 INTERCONNECT CABLE, MISC.: FIBER OPTIC FUSION SPLICE EACH	633 CONTROLLER ITEM, MISC.: FIBER OPTIC ETHERNET TRANSCEIVER, SHORT RANGE EACH
HAMILTON RD. BETWEEN STA. 841+00 AND 849+00, NODE #161043.8											
133	CN-1	HAMILTON RD	843+27, 94' LT								2
133	SE U-1	HAMILTON RD	843+38, 95' LT						75	144	
133	IC-1	HAMILTON RD	843+38, 95' LT	845+21, 92' LT		374	1		187		
133	IC-2	HAMILTON RD	845+21, 92' LT	849+00, 35' LT	399		1	399	399		
HAMILTON RD. BETWEEN STA. 849+00 AND 859+00											
134	IC-1	HAMILTON RD	849+00, 35' LT	858+34, 50' LT	966		2	966	966		
134	IC-3	HAMILTON RD	851+13, 35' LT				1		100		
134	IC-2	HAMILTON RD	858+34, 50' LT	859+00, 38' LT		136			68		
HAMILTON RD. BETWEEN STA. 859+00 AND 870+00											
135	IC-1	HAMILTON RD	859+00, 38' LT	861+80, 36' LT		564	1		282		
135	IC-2	HAMILTON RD	861+80, 36' LT	861+81, 32' RT		138	1		69		
135	IC-3	HAMILTON RD	861+81, 32' RT	868+23, 30' RT	643		1	643	643		
135	IC-6	HAMILTON RD	868+23, 30' RT				1		100		
135	IC-4	HAMILTON RD	868+23, 30' RT	869+60, 33' RT		280	1		140		
135	IC-5	HAMILTON RD	869+60, 33' RT	870+00, 32' RT	41			41	41		
HAMILTON RD. BETWEEN STA. 870+00 AND 881+00											
136	IC-1	HAMILTON RD	870+00, 32' RT	874+14, 34' RT	430		1	430	430		
136	IC-2	HAMILTON RD	874+14, 34' RT	878+17, 28' RT		812	1		406		
136	IC-3	HAMILTON RD	878+17, 28' RT	881+00, 29' RT	282			282	282		
HAMILTON RD. BETWEEN STA. 881+00 AND 892+00											
137	IC-1	HAMILTON RD	881+00, 29' RT	892+00, 29' RT	1,102		2	1,102	1,102		
137	IC-2	HAMILTON RD	886+29, 30' RT				1		100		
HAMILTON RD. BETWEEN STA. 892+00 AND 903+00											
138	IC-1	HAMILTON RD	892+00, 29' RT	897+56, 42' RT	557		2	557	557		
138	IC-2	HAMILTON RD	897+56, 42' RT	898+79, 42' RT		246	1		123		
138	IC-3	HAMILTON RD	898+79, 42' RT	903+00, 46' RT	421			421	421		
SHEET TOTAL					4,841	2,550	18	4,841	6,491	144	2

AERIAL SAG: 1.5% AERIAL SAG IS INCLUDED IN THE QUANTITIES FOR ANY AERIAL FIBER OR CABLE ITEMS.

2 REVISION 2.0

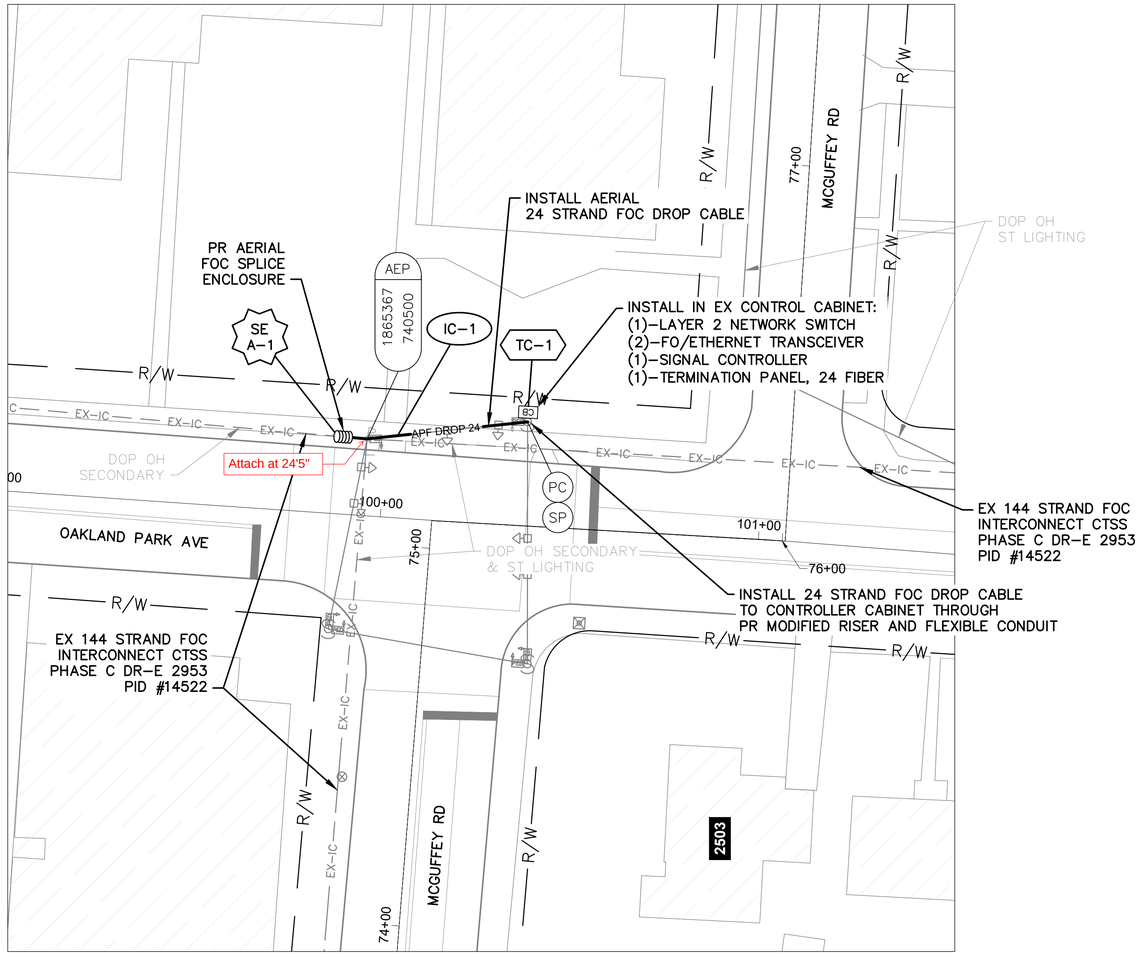
3676-E

CIP: 540007-100060
PID NUMBER: 110521

HAMILTON RD BETWEEN STA. 841+00 & 903+00

CITY OF COLUMBUS TRAFFIC SIGNAL SYSTEM (CTSS) PHASE F – FINAL SUBMITTAL

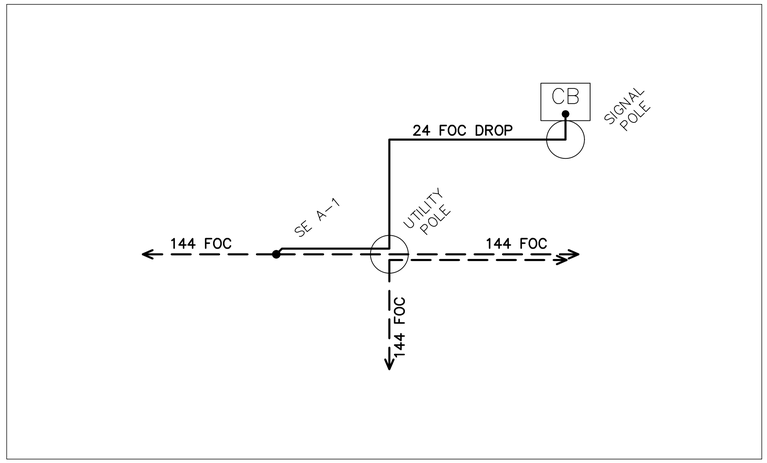
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DETAIL - INT 3150

0 20 40

HORIZONTAL
SCALE IN FEET



CABLE SCHEMATIC - INT 3150

NOT TO SCALE

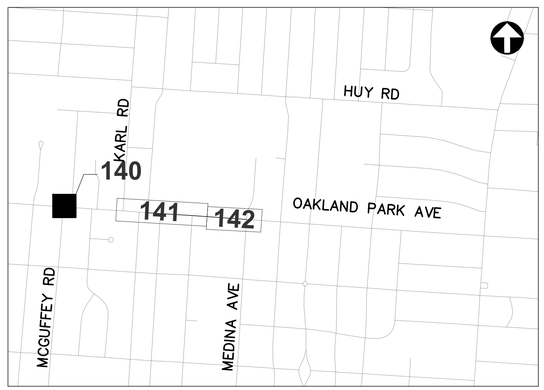
NOTES:

1. SEE SHEET 143 FOR QUANTITIES.
2. SEE SHEETS 466 & 567 FOR COMMUNICATION DETAILS.

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CITY OF COLUMBUS
UTILITY LEGEND

- ☐ SEWER
- ☐ WATER
- ☒ POWER
- ☒ LIGHTING



REFER TO SHEET 9 FOR
INTERCONNECT SHEET INDEX

KEY PLAN
NOT TO SCALE

3676-E

0 40 80

HORIZONTAL
SCALE IN FEET

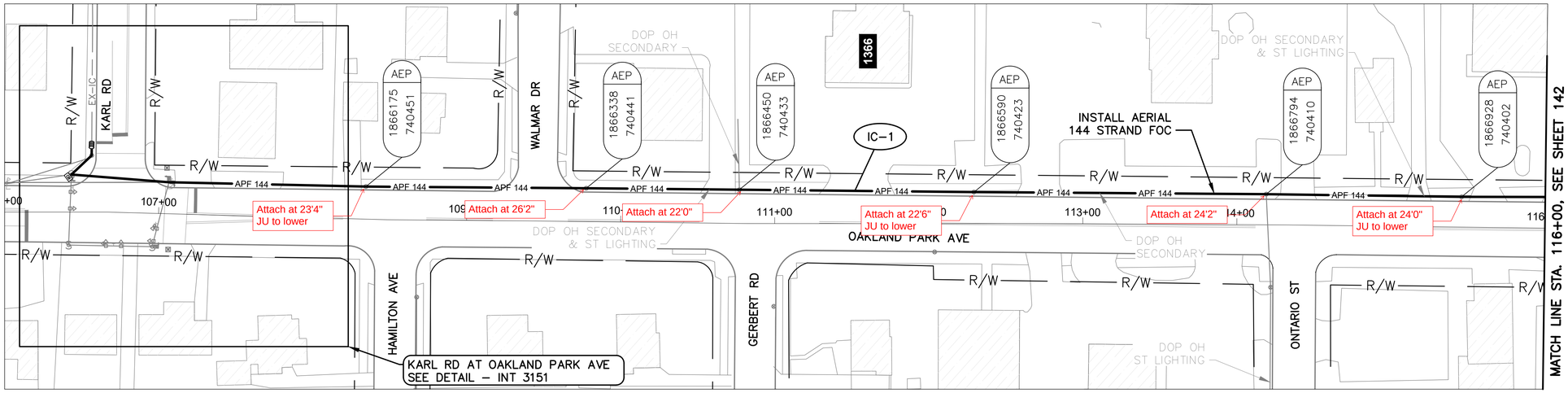
CIP: 540007-100060
PID NUMBER: 110521

INTERCONNECT PLAN
INT 3150 - MCGUFFEY RD AT OAKLAND PARK AVE

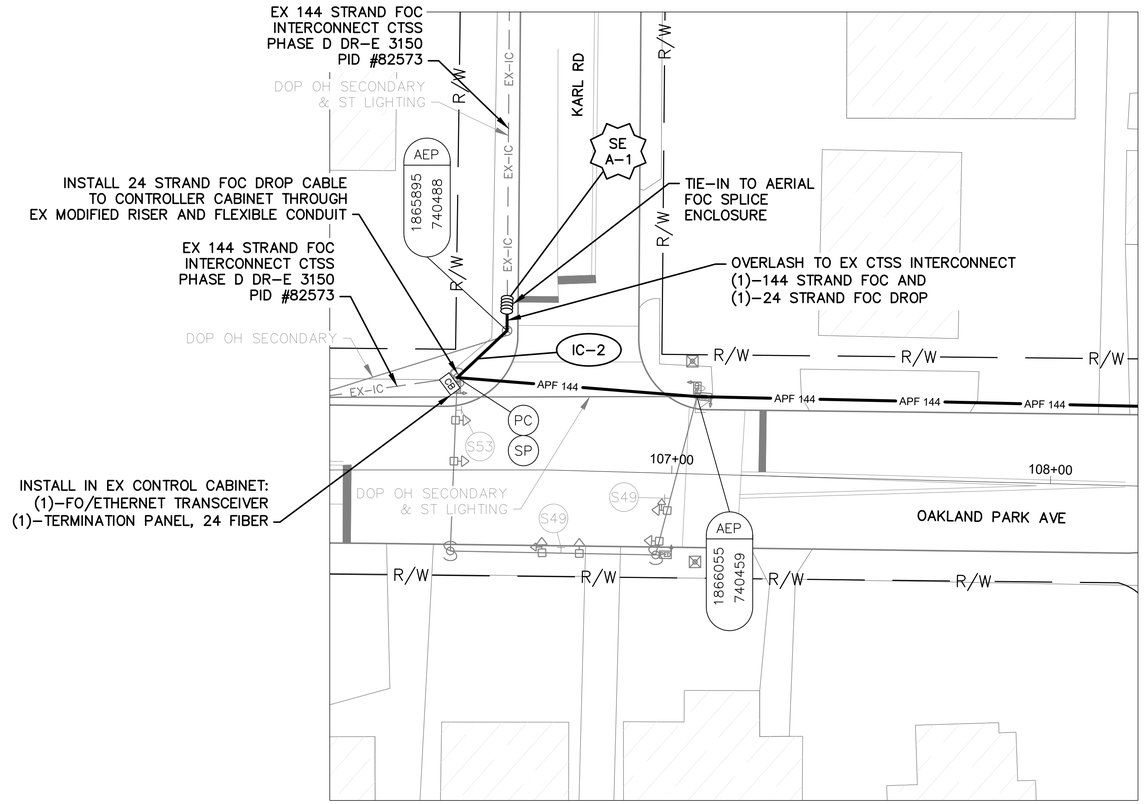
CITY OF COLUMBUS TRAFFIC SIGNAL SYSTEM
(CTSS) PHASE F - FINAL SUBMITTAL

140
768

\\colaw00\PWWork\Jobs\70202 - CTSS Phase F\TECHPROD\Sheets\CTSS_PhF_Trunk2_OAKLAND PARK_INTERCONNECT.dwg ~ OAKLAND PARK-1 layout ~ last saved by: nseling 02/22/2022 09:42pm ~ printed 06/02/2022 12:11pm PSLTS: 1 LTS: 1 CAS: 1:1



OAKLAND PARK AVE BETWEEN STATION 106+00 AND 116+00



DETAIL - INT 3151

0 20 40

HORIZONTAL SCALE IN FEET

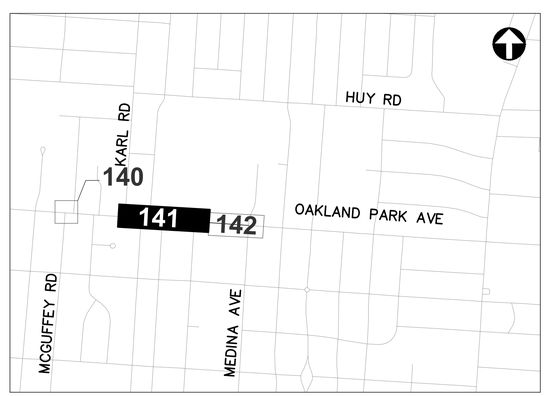
NOTES:

1. SEE SHEET 143 FOR QUANTITIES.
2. SEE SHEETS 466 & 568 FOR COMMUNICATION DETAILS.

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CITY OF COLUMBUS UTILITY LEGEND

- ☐ SEWER
- ☐ WATER
- ☒ POWER
- ☒ LIGHTING



REFER TO SHEET 9 FOR INTERCONNECT SHEET INDEX

KEY PLAN
NOT TO SCALE

3676-E

0 40 80

HORIZONTAL SCALE IN FEET

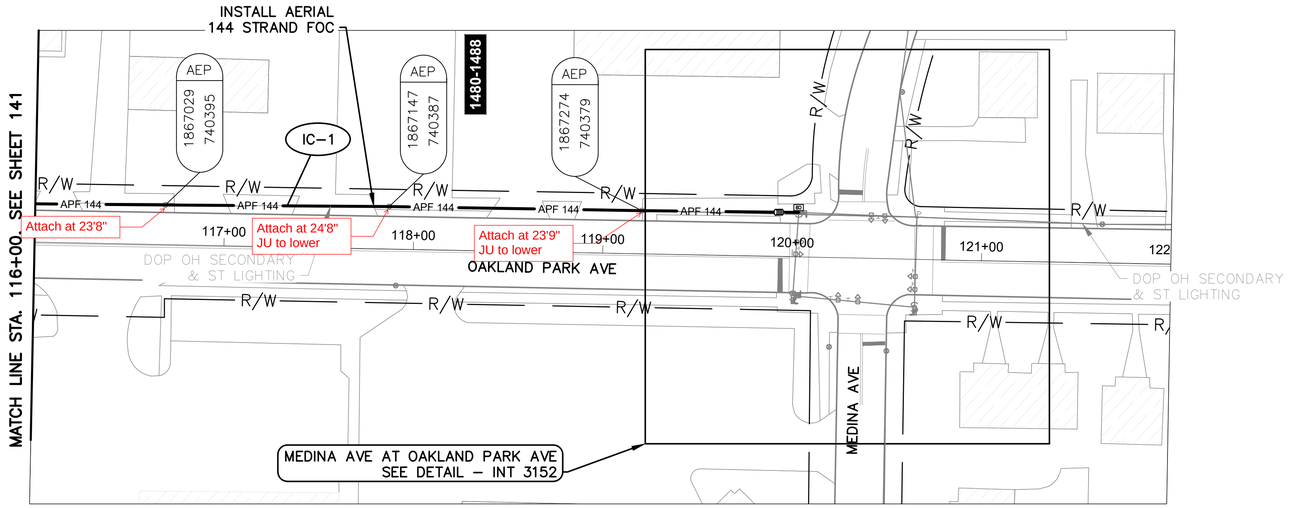
CIP: 540007-100060
PID NUMBER: 110521

INTERCONNECT PLAN
OAKLAND PARK AVE BETWEEN STA. 106+00 AND 116+00, INT 3151

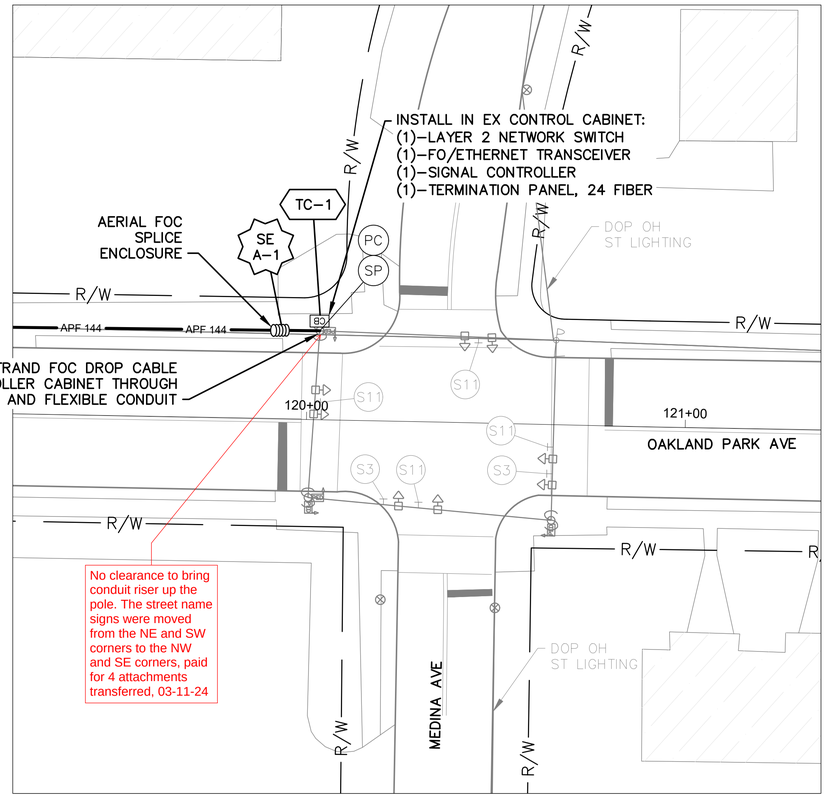
CITY OF COLUMBUS TRAFFIC SIGNAL SYSTEM
(CTSS) PHASE F – FINAL SUBMITTAL

141
768

\\colw001\PWWork\Jobs\70202 - CTSS Phase F\TECHPROD\Sheets\CTSS_PhF_Trunk2_OAKLAND PARK_INTERCONNECT.dwg ~ OAKLAND PARK-2 layout ~ last saved by: nseling 02/22/2022 09:42pm ~ printed 06/02/2022 12:12pm PSLTS: 1 LTS: 1 CAS: 1:1



OAKLAND PARK AVE BETWEEN STATION 116+00 AND 122+00



DETAIL - INT 3152

0 20 40

HORIZONTAL
SCALE IN FEET

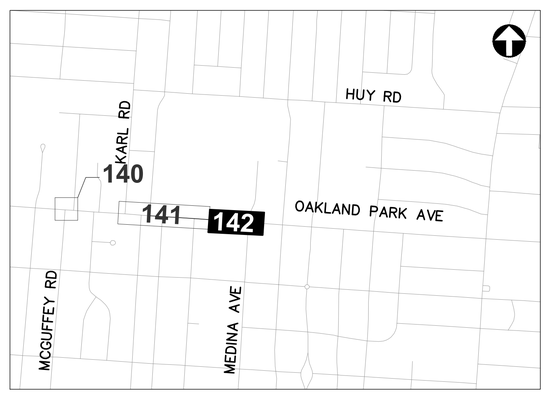
NOTES:

1. SEE SHEET 143 FOR QUANTITIES.
2. SEE SHEETS 466 & 569 FOR COMMUNICATION DETAILS.

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CITY OF COLUMBUS
UTILITY LEGEND

- ☐ SEWER
- ☐ WATER
- ☒ POWER
- ☒ LIGHTING



REFER TO SHEET 9 FOR
INTERCONNECT SHEET INDEX

KEY PLAN
NOT TO SCALE

3676-E

0 40 80

HORIZONTAL
SCALE IN FEET

CIP: 540007–100060
PID NUMBER: 110521

INTERCONNECT PLAN
OAKLAND PARK AVE BETWEEN STA. 116+00 AND 122+00, INT 3152

CITY OF COLUMBUS TRAFFIC SIGNAL SYSTEM
(CTSS) PHASE F – FINAL SUBMITTAL

142
768

\\colw00\PMWork\Jobs\70202 – CTSS Phase F\TECHPROD\Sheets\CTSS_PhF_Trunk2_OAKLAND PARK_INTERCONNECT.dwg – OAKLAND PARK–3 layout ~ last saved by: nseling 02/22/2022 09:42pm ~ printed 06/02/2022 12:13pm PSLTS: 1 LTS: 1 CAS: 1:1

ESTIMATED QUANTITIES

SHEET NO.	REFERENCE NO.	LOCATION	STATION		632 CONDUIT RISER, 2", 725.04, AS PER PLAN	632 INTERCONNECT CABLE, MISC.: FIBER OPTIC CABLE, 144 STRAND	632 INTERCONNECT CABLE, MISC.: FIBER OPTIC DROP CABLE, 24 STRAND	632 INTERCONNECT CABLE, MISC.: FIBER OPTIC FUSION SPLICE	632 INTERCONNECT CABLE, MISC.: OVERLASH TO EXISTING INTERCONNECT	632 INTERCONNECT CABLE, MISC.: TERMINATION PANEL, 24 FIBER	632 INTERCONNECT, MISC.: SPLICE ENCLOSURE, DOME, 288 SPLICE	632 MESSENGER WIRE, 7 STRAND, 1/4" DIAMETER WITH ACCESSORIES, AS PER PLAN	633 CONTROLLER ITEM, MISC.: FIBER OPTIC ETHERNET TRANSCEIVER, SHORT RANGE	633 CONTROLLER ITEM, MISC.: LAYER 2 ETHERNET SWITCH	633 CONTROLLER UNIT, TYPE TS2/A2, AS PER PLAN									
			FROM	TO	EACH	FT	FT	EACH	FT	EACH	EACH	FT	EACH	EACH	EACH										
OAKLAND PARK RD., INT 3150																									
140	SE A-1	OAKLAND PARK AVE	99+88, 20' LT				125	24																	
140	IC-1	OAKLAND PARK AVE	99+88, 20' LT	100+37, 27' LT			50					50													
140	TC-1	OAKLAND PARK AVE	100+37, 27' LT		1		20			1			2	1	1										
OAKLAND PARK RD. BETWEEN STA. 106+00 AND 116+00, INT 3151																									
141	TC-1	OAKLAND PARK AVE	106+43, 24' LT				20			1			1												
141	IC-2	OAKLAND PARK AVE	106+43, 24' LT	106+56, 44' LT			25		25																
141	SE A-1	OAKLAND PARK AVE	106+56, 44' LT			75	125	12																	
141	IC-1	OAKLAND PARK AVE	106+56, 44' LT	116+00, 20' LT		997						997													
OAKLAND PARK RD. BETWEEN STA. 116+00 AND 122+00, INT 3152																									
142	IC-1	OAKLAND PARK AVE	116+00, 20' LT	120+03, 23' LT		398						398													
142	SE A-1	OAKLAND PARK AVE	119+92, 23' LT			75	125	12			1														
142	IC-2	OAKLAND PARK AVE	119+92, 23' LT	120+03, 23' LT			11					11													
142	TC-1	OAKLAND PARK AVE	120+03, 23' LT		1		20			1			1	1	1										
SHEET TOTAL					2	1,545	521	48	25	3	1	1,456	4	2	2	-	-	-	-	-	-	-	-	-	

AERIAL SAG: 1.5% AERIAL SAG IS INCLUDED IN THE QUANTITIES FOR ANY AERIAL FIBER OR CABLE ITEMS.

3676-E

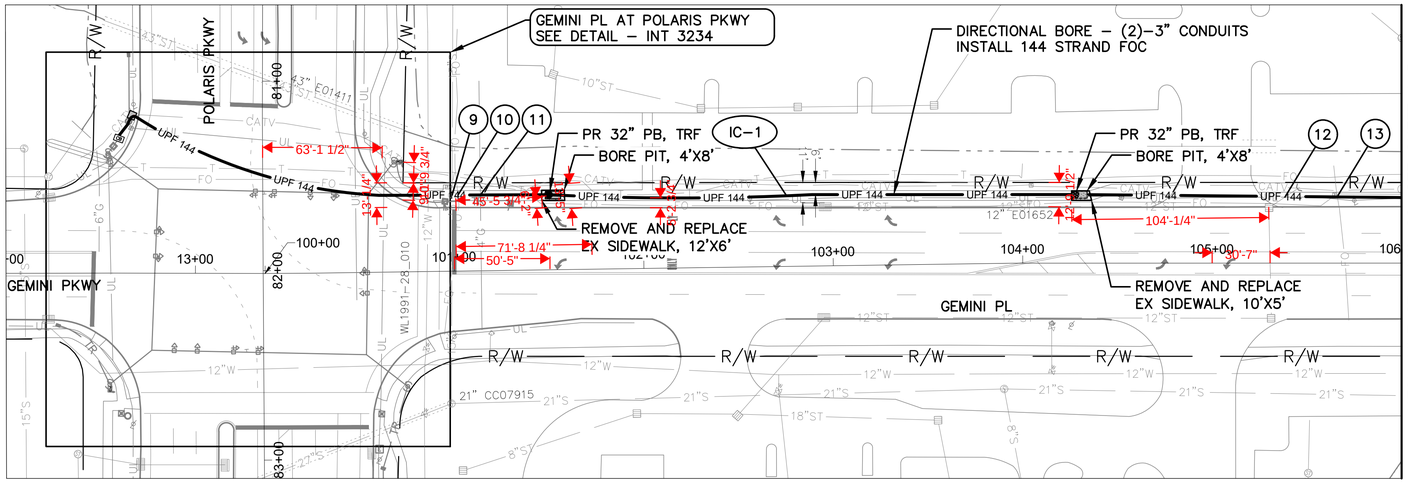
CIP: 540007–100060
PID NUMBER: 110521

OAKLAND PARK AVE BETWEEN STA. 106+00 & 122+00
INTS 3150, 3151, AND 3152

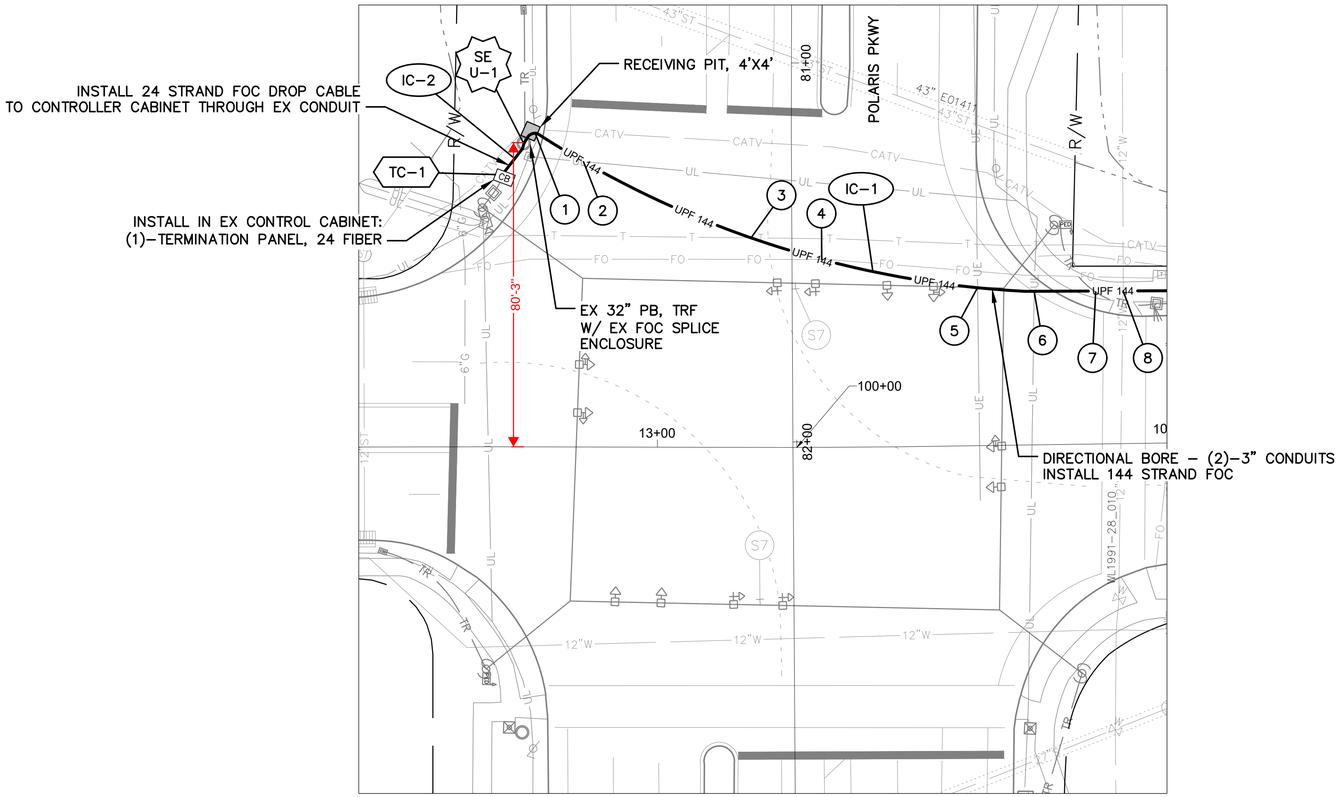
CITY OF COLUMBUS TRAFFIC SIGNAL SYSTEM
(CTSS) PHASE F – FINAL SUBMITTAL

143
768

J:\Jobs\70202 – CTSS Phase F\TECHPROD\Sheets\CTSS_PhF_Trunk2_OAKLAND_PARK_IC_QUANTITIES.dwg – OAKLAND PARK AVE–Q1 layout ~ last saved by: gburch 02/22/2022 09:42pm ~ printed 06/02/2022 10:03am PSLTS: 1 LTS: 1 CAS: 1:1



GEMINI PKWY AND GEMINI PL BETWEEN STATION 12+00 AND 106+00



DETAIL - INT 3234

0 20 40
HORIZONTAL
SCALE IN FEET

NOTES:

1. SEE SHEET 147 FOR QUANTITIES.
2. SEE SHEETS 467 & 570 FOR COMMUNICATION DETAILS.

(#) EXISTING UTILITY CROSSING.
SEE UTILITY CROSSING INFO
SHEET 18.

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CITY OF COLUMBUS UTILITY LEGEND

☒	SEWER
☒	WATER
☐	POWER
☒	LIGHTING



REFER TO SHEET 7 FOR
INTERCONNECT SHEET INDEX

KEY PLAN
NOT TO SCALE

3676-E

0 40 80
HORIZONTAL
SCALE IN FEET

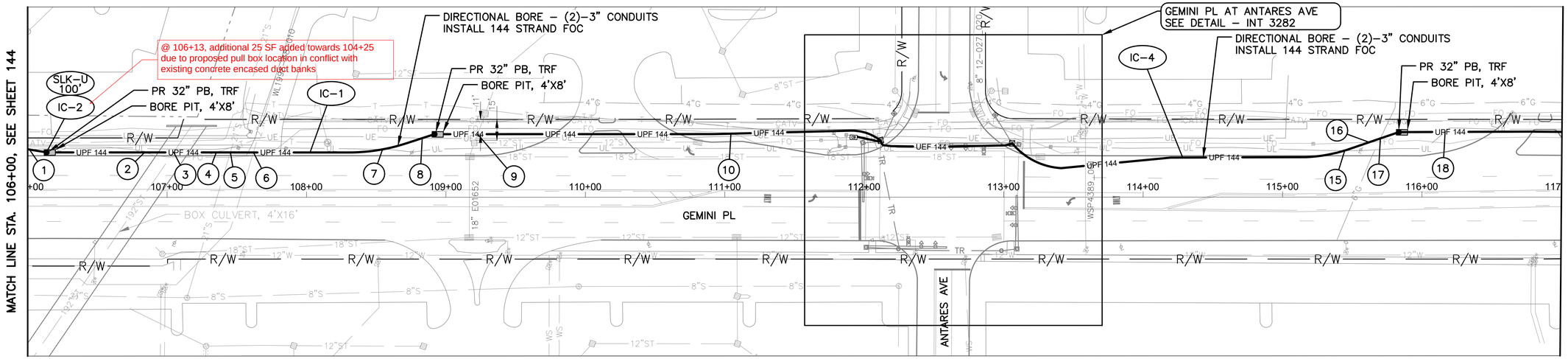
CIP: 540007–100060
PID NUMBER: 110521

INTERCONNECT PLAN
GEMINI PKWY AND GEMINI PL BETWEEN STA. 12+00 AND 106+00, INT 3234

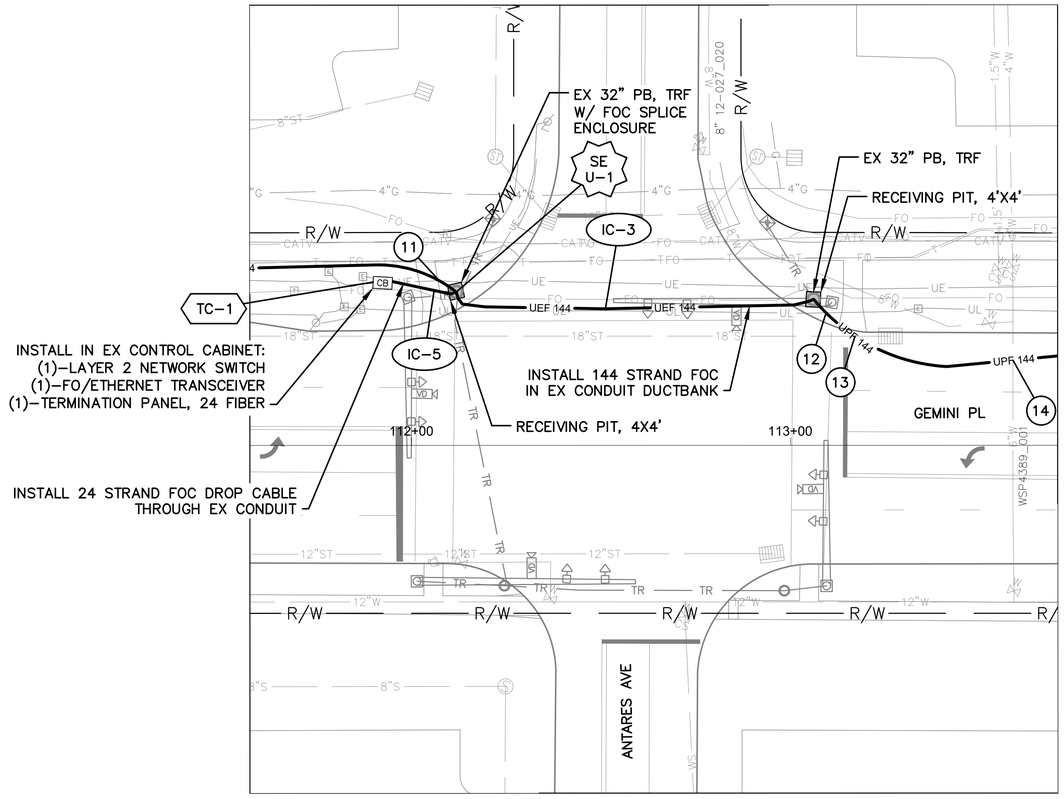
CITY OF COLUMBUS TRAFFIC SIGNAL SYSTEM
(CTSS) PHASE F – FINAL SUBMITTAL

144
768

\\colw00\PWWork\Jobs\70202 – CTSS Phase F\TECHPROD\Sheets\CTSS_PhF_Trunk2_GEMINI_INTERCONNECT.dwg – GEMINI–1 layout – last saved by: gburch 02/24/2022 11:53am – printed 06/02/2022 12:15am PSLTS: 1 LTS: 1 CAS: 1:1



GEMINI PL BETWEEN STATION 106+00 AND 117+00



DETAIL - INT 3282

0 20 40
HORIZONTAL SCALE IN FEET

NOTES:

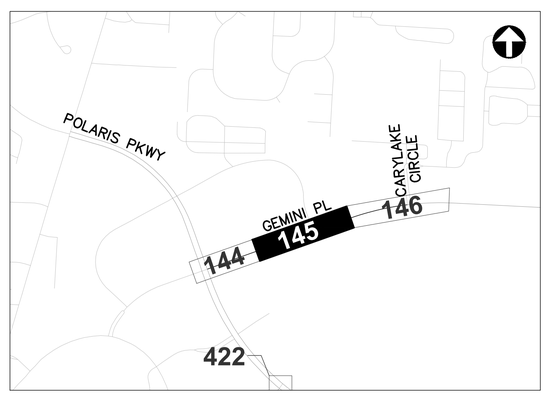
1. SEE SHEET 147 FOR QUANTITIES.
2. SEE SHEETS 467 & 571 FOR COMMUNICATION DETAILS.

(#) EXISTING UTILITY CROSSING. SEE UTILITY CROSSING INFO SHEET 18.

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CITY OF COLUMBUS UTILITY LEGEND

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☐	POWER
☒	LIGHTING



REFER TO SHEET 7 FOR INTERCONNECT SHEET INDEX

KEY PLAN
NOT TO SCALE

0 40 80
HORIZONTAL SCALE IN FEET

CIP: 540007–100060
PID NUMBER: 110521

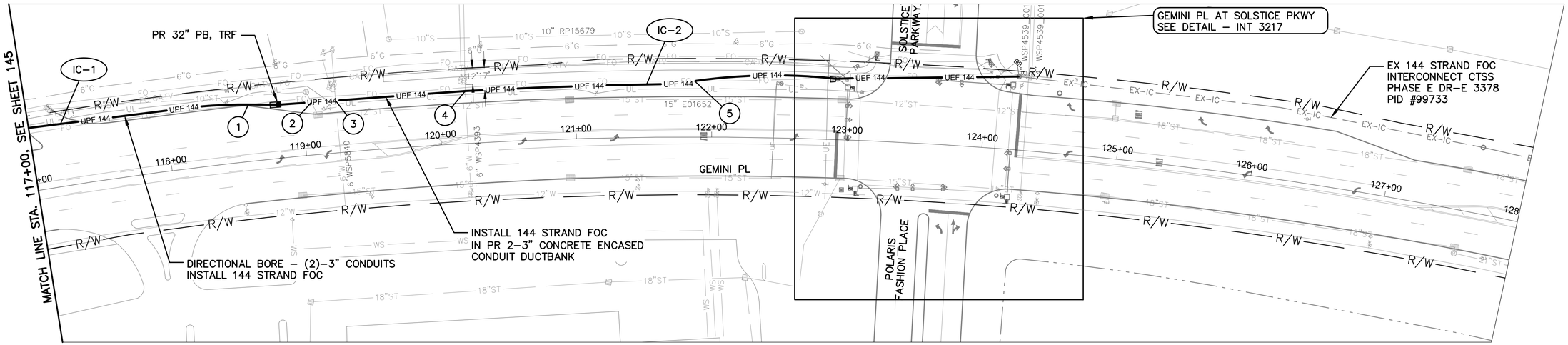
INTERCONNECT PLAN
GEMINI PL BETWEEN STA. 106+00 AND 117+00, INT 3282

CITY OF COLUMBUS TRAFFIC SIGNAL SYSTEM
(CTSS) PHASE F – FINAL SUBMITTAL

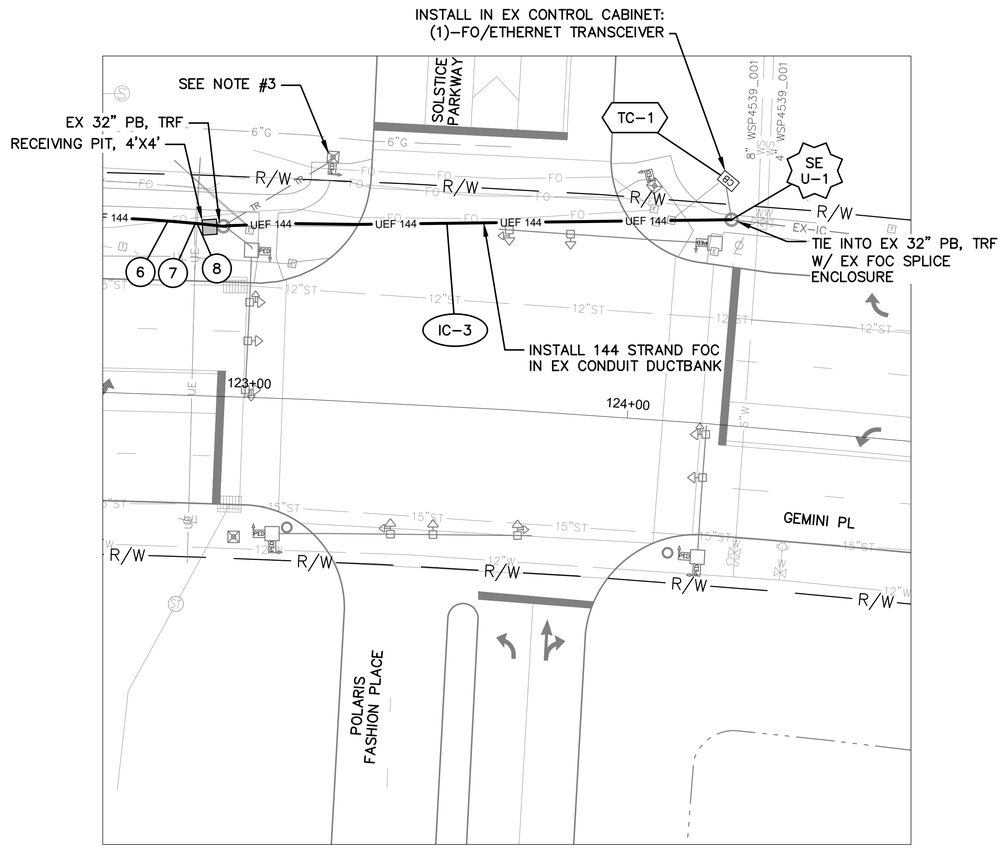
3676-E

145
768

\\colw00\PWork\Jobs\70202 – CTSS Phase F\TECHPROD\Sheets\CTSS_PhF_Trunk2_GEMINI_INTERCONNECT.dwg – GEMINI–2 layout – last saved by: gburch 02/24/2022 11:53am ~ printed 06/02/2022 12:16am PSLTS: 1 LTS: 1 CAS: 1:1



GEMINI PL BETWEEN STATION 117+00 AND 128+00



DETAIL - INT 3217

0 20 40

HORIZONTAL SCALE IN FEET

NOTES:

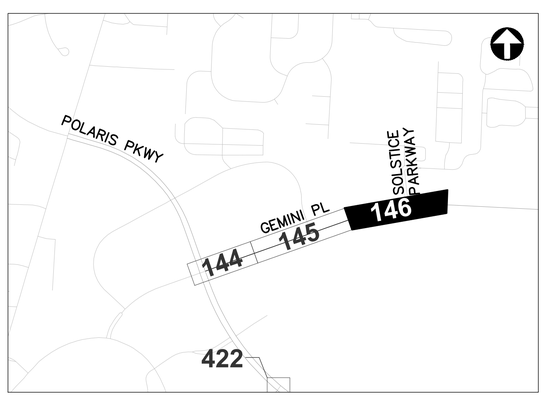
1. SEE SHEET 147 FOR QUANTITIES.
2. SEE SHEETS 467 & 572 FOR COMMUNICATION DETAILS.
3. A TRAFFIC CONTROL DEVICES CONTRACT EXISTS, CONTRACT CT–01284R (SIGNED 03–07–2013), BETWEEN NORTH PARK PLACE, LLC AND CITY OF COLUMBUS THAT PROVIDES A NON–EXCLUSIVE EASEMENT TO THE CITY OF COLUMBUS FOR THE PURPOSE OF INSTALLING AND MAINTAINING TRAFFIC INFRASTRUCTURE.

(#) EXISTING UTILITY CROSSING. SEE UTILITY CROSSING INFO SHEET 18.

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CITY OF COLUMBUS UTILITY LEGEND

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☐	POWER
☐	LIGHTING



REFER TO SHEET 7 FOR INTERCONNECT SHEET INDEX

KEY PLAN
NOT TO SCALE

3676-E

HORIZONTAL SCALE IN FEET
0 40 80

CIP: 540007–100060
PID NUMBER: 110521

INTERCONNECT PLAN
GEMINI PL BETWEEN STA. 117+00 AND 128+00, INT 3217

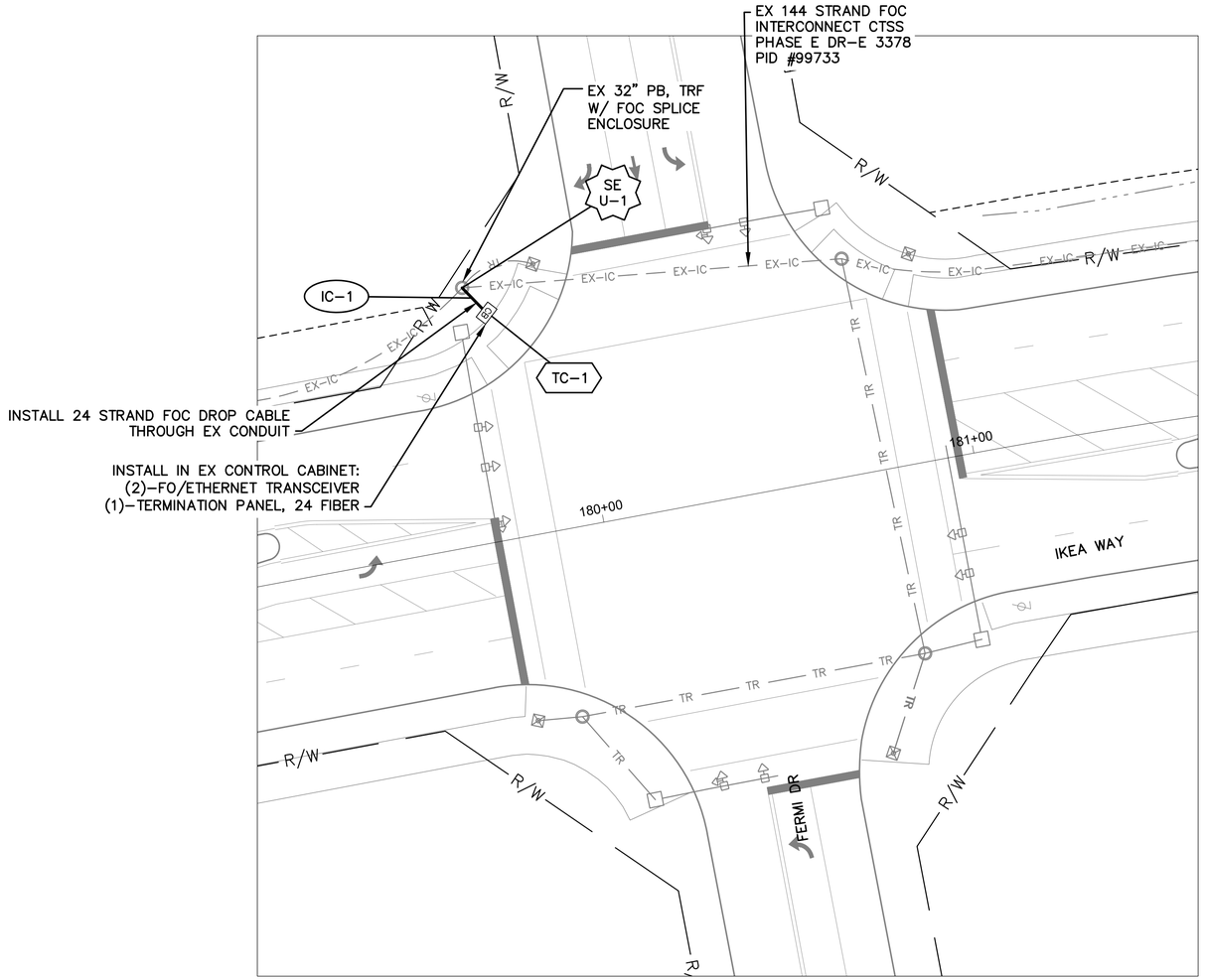
CITY OF COLUMBUS TRAFFIC SIGNAL SYSTEM
(CTSS) PHASE F – FINAL SUBMITTAL

146
768

\\colw001\PWWork\Jobs\70202 – CTSS Phase F\TECHPROD\Sheets\CTSS_PhF_Trunk2_GEMINI_INTERCONNECT.dwg – GEMINI–3 layout ~ last saved by: gburch 02/24/2022 11:53am ~ printed 06/02/2022 12:17am PSLTS: 1 LTS: 1 CAS: 1:1

ESTIMATED QUANTITIES

SHEET NO.	REFERENCE NO.	LOCATION	STATION		202	202	608	625	625	625	625	632	632	632	632	632	633	633						
					EXISTING CONDUIT CLEANED, AS PER PLAN	WALK REMOVED	8" CONCRETE WALK	CONDUIT, CONCRETE ENCASED, 2-3", 725.051, AS PER PLAN	CONDUIT, JACKED OR DRILLED, 3", AS PER PLAN	PULL BOX, CONCRETE 32", AS PER PLAN	TRENCH, 36" DEEP, AS PER PLAN	INTERCONNECT CABLE, MISC.: FIBER OPTIC CABLE, 144 STRAND	INTERCONNECT CABLE, MISC.: FIBER OPTIC DROP CABLE, 24 STRAND	INTERCONNECT CABLE, MISC.: FIBER OPTIC FUSION SPLICE	INTERCONNECT CABLE, MISC.: TERMINATION PANEL, 24 FIBER	INTERCONNECT, MISC.: SPLICE ENCLOSURE, DOME, 288 SPLICE	CONTROLLER ITEM, MISC.: FIBER OPTIC ETHERNET TRANSCEIVER, SHORT RANGE	CONTROLLER ITEM, MISC.: LAYER 2 ETHERNET SWITCH						
			FROM	TO	FT	SF	SF	FT	FT	EACH	FT	FT	FT	EACH	EACH	EACH	EACH	EACH						
GEMINI PL. BETWEEN STA. 12+00 AND 106+00, INT 3234																								
144	TC-1	GEMINI PKWY	12+59, 71' LT			122	122						20		1									
144	IC-2	GEMINI PKWY	12+59, 71' LT	12+65, 80' LT	11								11											
144	SE U-1	GEMINI PKWY	12+65, 80' LT									75	125	12										
144	IC-1	GEMINI PKWY/GEMINI PL	12+65, 80' LT	106+00, 35' LT					1,364	2		682												
GEMINI PL. BETWEEN STA. 106+00 AND 117+00, INT 3282																								
145	IC-1	GEMINI PL	106+00, 35' LT	112+12, 40' LT					1,230	1		615												
145	IC-2	GEMINI PL	106+13, 32' LT							1		100												
145	TC-1	GEMINI PL	111+92, 43' LT										20		1			1	1					
145	IC-5	GEMINI PL	111+92, 43' LT	112+12, 40' LT	18								18											
145	SE U-1	GEMINI PL	112+12, 40' LT									150	125	24			1							
145	IC-3	GEMINI PL	112+12, 40' LT	113+06, 39' LT	97							97												
145	IC-4	GEMINI PL	113+06, 39' LT	117+00, 47' LT					790	1		395												
GEMINI PL. BETWEEN STA. 117+00 AND 128+00, INT 3217																								
146	IC-1	GEMINI PL	117+00, 47' LT	118+83, 39' LT					372	1		186												
146	IC-2	GEMINI PL	118+83, 39' LT	122+92, 45' LT				414			414	414												
146	IC-3	GEMINI PL	122+92, 45' LT	124+22, 55' LT	134							134												
146	TC-1	GEMINI PL	124+21, 64' LT															1						
146	SE U-1	GEMINI PL	124+22, 55' LT									75		144										



DETAIL - INT 3312

0 20 40

HORIZONTAL
SCALE IN FEET

NOTES:

1. SEE SHEET 150 FOR QUANTITIES.
2. SEE SHEETS 468 & 574 FOR COMMUNICATION DETAILS.

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CITY OF COLUMBUS
UTILITY LEGEND

- ☐ SEWER
- ☐ WATER
- ☐ POWER
- ☐ LIGHTING



REFER TO SHEET 7 FOR
INTERCONNECT SHEET INDEX

KEY PLAN
NOT TO SCALE

3676-E

0 40 80
HORIZONTAL
SCALE IN FEET

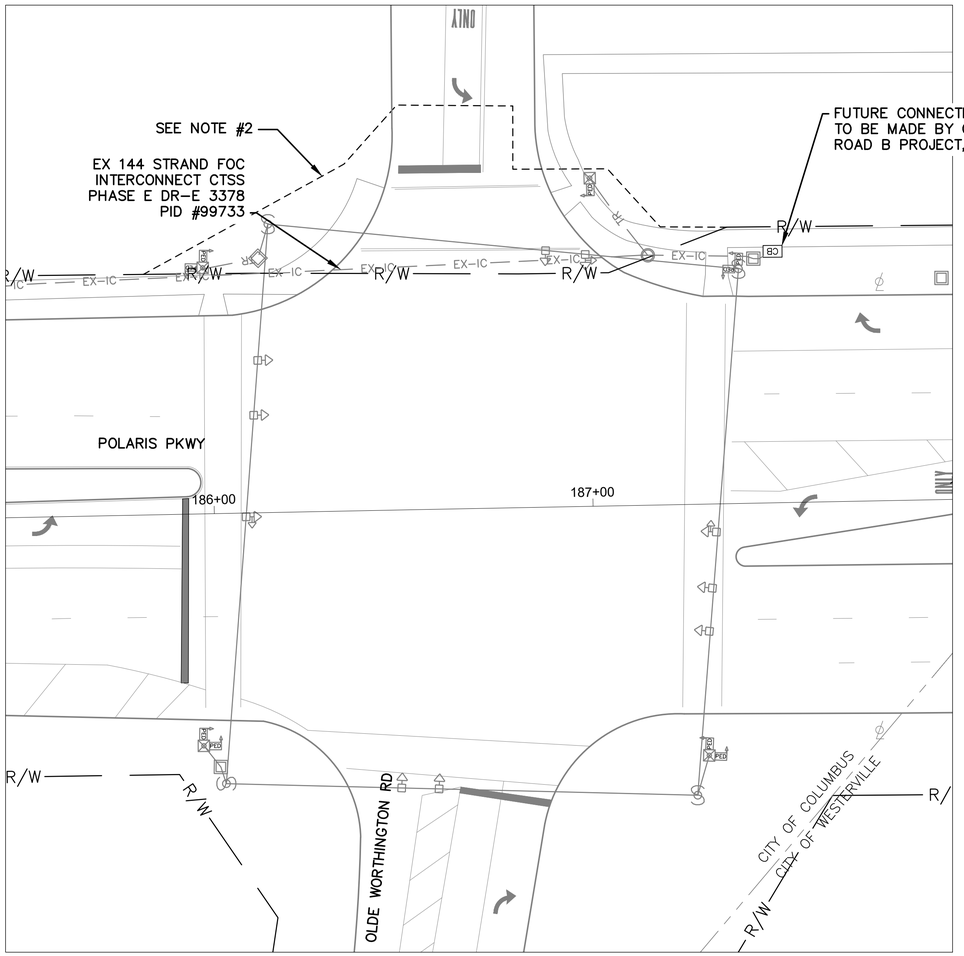
CIP: 540007-100060
PID NUMBER: 110521

INTERCONNECT PLAN
INT 3312 - FERMI DR AT IKEA WAY

CITY OF COLUMBUS TRAFFIC SIGNAL SYSTEM
(CTSS) PHASE F - FINAL SUBMITTAL

148
768

\\colw001\PMWork\Jobs\70202 - CTSS Phase F\TECHPROD\Sheets\CTSS_PhF_Trunk2_GEMINI_INTERCONNECT.dwg - IKEA-2 layout ~ last saved by: gburch 02/24/2022 11:53am ~ printed 06/02/2022 12:18am PSLTS: 1 LTS: 1 CAS: 1:1



DETAIL - INT 3308

0 20 40

HORIZONTAL
SCALE IN FEET

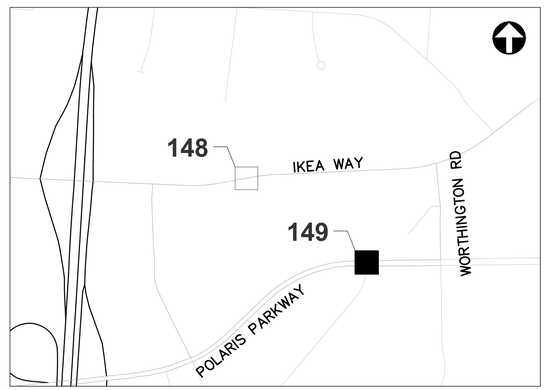
NOTES:

1. NO WORK ON THIS SHEET. FOR REFERENCE ONLY.
2. EXISTING CITY OF COLUMBUS GENERAL UTILITY EASEMENT AS SHOWN PER INSTRUMENT #20180026080.

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CITY OF COLUMBUS UTILITY LEGEND

- ☐ SEWER
- ☐ WATER
- ☐ POWER
- ☐ LIGHTING



REFER TO SHEET 7 FOR INTERCONNECT SHEET INDEX

KEY PLAN
NOT TO SCALE

3676-E

0 20 40
HORIZONTAL
SCALE IN FEET

CIP: 540007-100060
PID NUMBER: 110521

INTERCONNECT PLAN
INT 3308 – POLARIS PARKWAY AT OLDE WORTHINGTON RD

CITY OF COLUMBUS TRAFFIC SIGNAL SYSTEM
(CTSS) PHASE F – FINAL SUBMITTAL

149
768

\\colaw01\PWWork\Jobs\70202 – CTSS Phase F\TECHPROD\Sheets\CTSS_PhF_Trunk2_POLARIS PARKWAY_INTERCONNECT.dwg – POLARIS PKWY-2 layout ~ last saved by: gburch 02/22/2022 09:42pm ~ printed 06/02/2022 12:19am PSLTS: 1 LTS: 1 CAS: 1:1

ESTIMATED QUANTITIES

SHEET NO.	REFERENCE NO.	LOCATION	STATION		202	632	632	632	632	633														
					EXISTING CONDUIT CLEANED, AS PER PLAN	INTERCONNECT CABLE, MISC.: FIBER OPTIC DROP CABLE, 24 STRAND	INTERCONNECT CABLE, MISC.: FIBER OPTIC FUSION SPLICE	INTERCONNECT CABLE, MISC.: TERMINATION PANEL, 24 FIBER	INTERCONNECT, MISC.: SPLICE ENCLOSURE, DOME, 288 SPLICE	CONTROLLER ITEM, MISC.: FIBER OPTIC ETHERNET TRANSCEIVER, SHORT RANGE													
			FROM	TO	FT	FT	EACH	EACH	EACH	EACH														
IKEA WAY, INT 3312																								
148	SE U-1	IKEA WAY	179+74, 68' LT			75	132		1															
148	IC-1	IKEA WAY	179+74, 68' LT	179+80, 60' LT	9	9																		
148	TC-1	IKEA WAY	179+80, 60' LT			20		1		2														
SHEET TOTAL					9	104	132	1	1	2	-	-	-	-	-	-	-	-	-	-	-	-	-	-

AERIAL SAG: 1.5% AERIAL SAG IS INCLUDED IN THE QUANTITIES FOR ANY AERIAL FIBER OR CABLE ITEMS.

3676-E

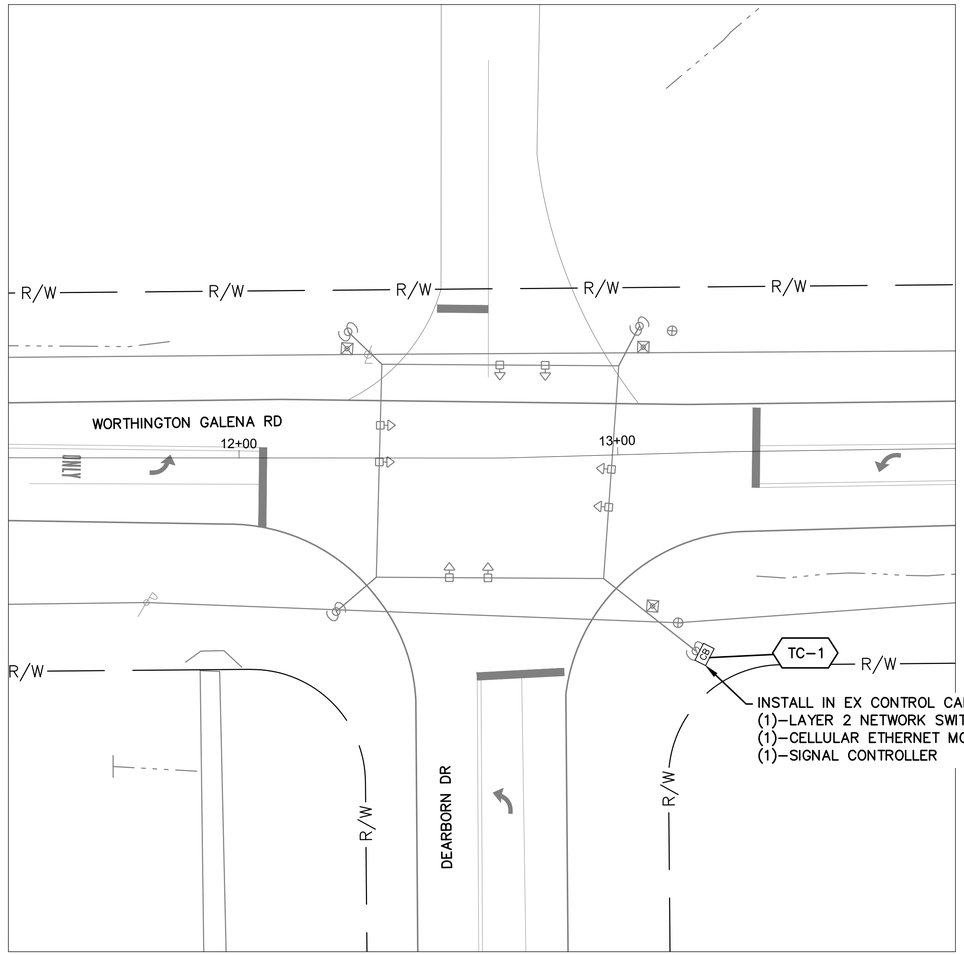
CIP: 540007-100060
PID NUMBER: 110521

IKEA WAY
INT 3312

CITY OF COLUMBUS TRAFFIC SIGNAL SYSTEM
(CTSS) PHASE F - FINAL SUBMITTAL

150
768

J:\Jobs\70202 - CTSS Phase F\TECHPROD\Sheets\CTSS_PhF_Trunk2_POLARIS_IC_QUANTITIES.dwg - POLARIS PKWY-Q1 layout ~ last saved by: gburch 02/22/2022 09:42am ~ printed 06/02/2022 10:05am PSLTS: 1 LTS: 1 CAS: 1:1



DETAIL - INT 3197

0 20 40

HORIZONTAL
SCALE IN FEET

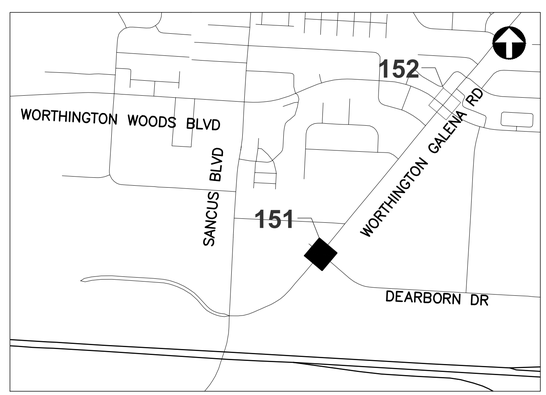
NOTES:

1. SEE SHEET 154 FOR QUANTITIES.
2. SEE SHEETS 469 & 576 FOR COMMUNICATION DETAILS.

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CITY OF COLUMBUS
UTILITY LEGEND

- ☐ SEWER
- ☐ WATER
- ☐ POWER
- ☒ LIGHTING



REFER TO SHEET 7 FOR
INTERCONNECT SHEET INDEX

KEY PLAN
NOT TO SCALE

3676-E

0 40 80
HORIZONTAL
SCALE IN FEET

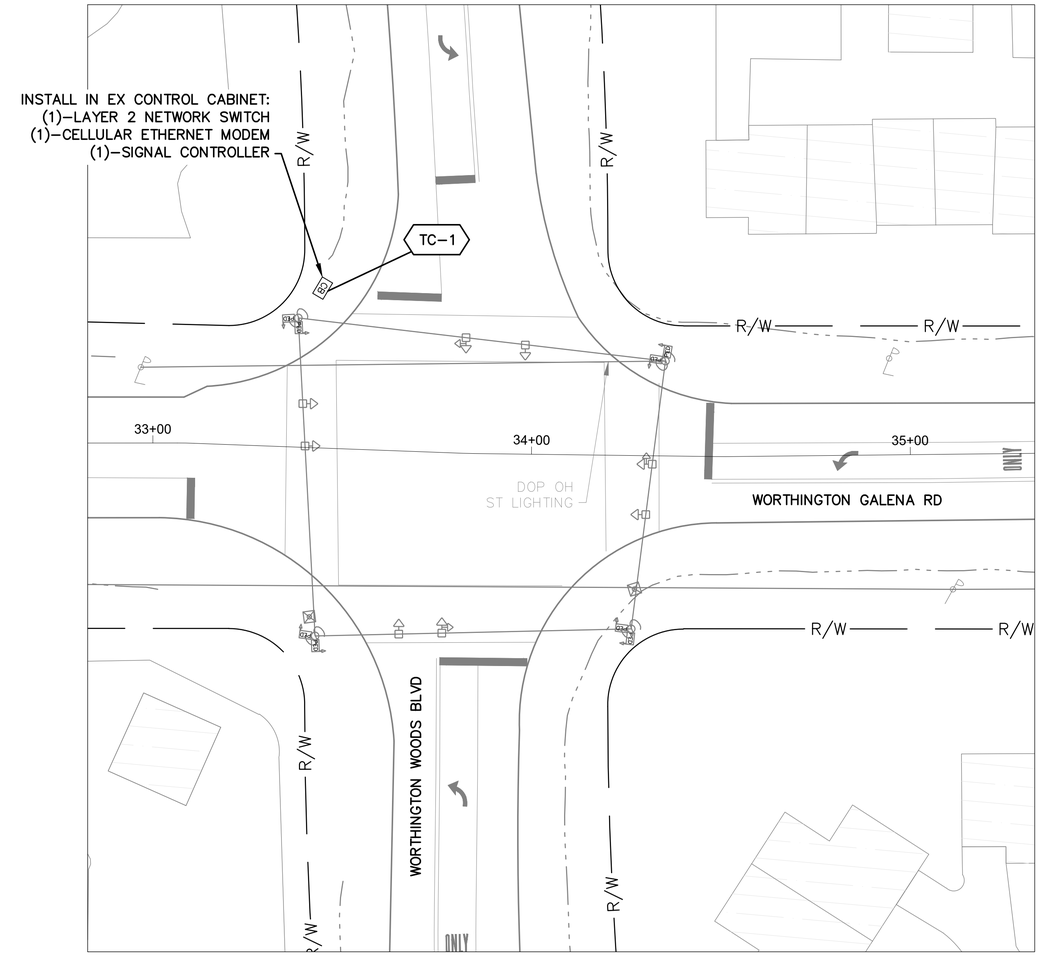
CIP: 540007-100060
PID NUMBER: 110521

INTERCONNECT PLAN
WORTHINGTON GALENA RD, INT 3197

CITY OF COLUMBUS TRAFFIC SIGNAL SYSTEM
(CTSS) PHASE F – FINAL SUBMITTAL

151
768

\\colw00\PMWork\Jobs\70202 – CTSS Phase F\TECHPRO0\Sheets\CTSS_PhF_Trunk2_WORTH_GALENA_INTERCONNECT.dwg – WORTH-GALENA-2 layout ~ last saved by: gburch 02/22/2022 09:42pm ~ printed 06/02/2022 12:20pm PSLTS: 1 LTS: 1 CAS: 1:1



DETAIL - INT 3199

0 20 40

HORIZONTAL
SCALE IN FEET

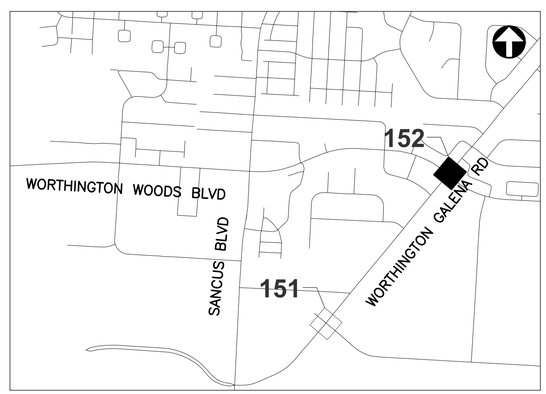
NOTES:

1. SEE SHEET 154 FOR QUANTITIES.
2. SEE SHEETS 469 & 577 FOR COMMUNICATION DETAILS.

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CITY OF COLUMBUS UTILITY LEGEND

- ☐ SEWER
- ☐ WATER
- ☐ POWER
- ☒ LIGHTING



REFER TO SHEET 7 FOR INTERCONNECT SHEET INDEX

KEY PLAN
NOT TO SCALE

3676-E

0 40 80
HORIZONTAL
SCALE IN FEET

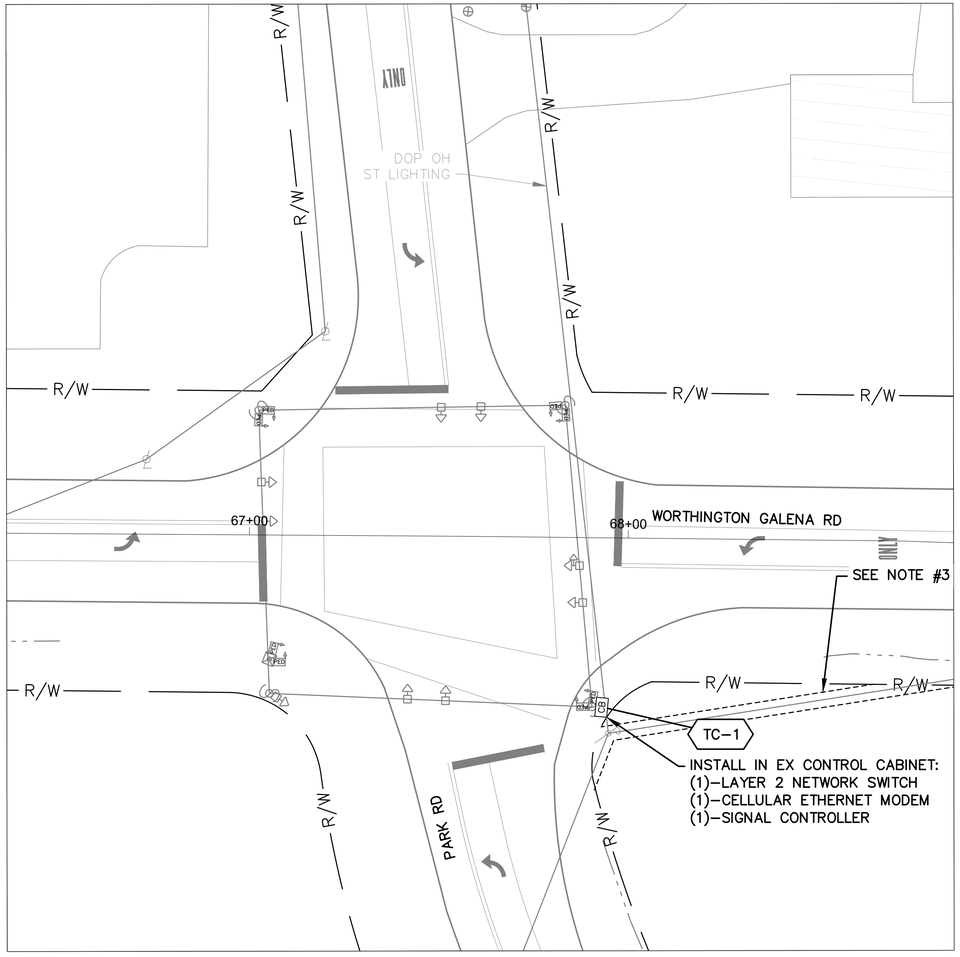
CIP: 540007–100060
PID NUMBER: 110521

INTERCONNECT PLAN
WORTHINGTON GALENA RD, INT 3199

CITY OF COLUMBUS TRAFFIC SIGNAL SYSTEM
(CTSS) PHASE F – FINAL SUBMITTAL

152
768

\\colaw001\PWWork\Jobs\70202 – CTSS Phase F\TECHPROD\Sheets\CTSS_PhF_Trunk2_WORTH_GALENA_INTERCONNECT.dwg – WORTH–GALENA–4 layout ~ last saved by gburch 02/22/2022 09:42pm ~ printed 06/02/2022 12:20pm PSLTS: 1 LTS: 1 CAS: 1:1



DETAIL - INT 3208

0 20 40

HORIZONTAL
SCALE IN FEET

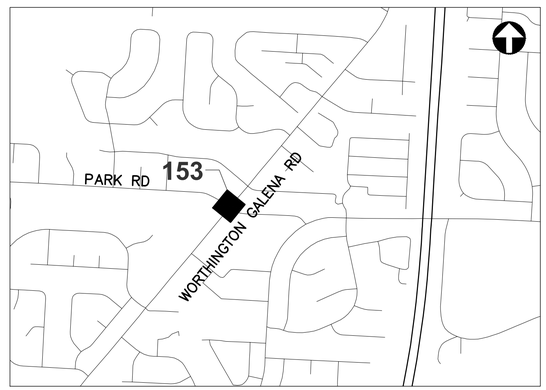
NOTES:

1. SEE SHEET 154 FOR QUANTITIES.
2. SEE SHEETS 469 & 578 FOR COMMUNICATION DETAILS.
3. EASEMENT SHOWN PER AEP EASEMENTS 7674-B AND 5381.

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CITY OF COLUMBUS
UTILITY LEGEND

- ☐ SEWER
- ☐ WATER
- ☐ POWER
- ☒ LIGHTING



REFER TO SHEET 7 FOR
INTERCONNECT SHEET INDEX

KEY PLAN
NOT TO SCALE

3676-E

0 40 80
HORIZONTAL
SCALE IN FEET

CIP: 540007-100060
PID NUMBER: 110521

INTERCONNECT PLAN
WORTHINGTON GALENA RD, INT 3208

CITY OF COLUMBUS TRAFFIC SIGNAL SYSTEM
(CTSS) PHASE F - FINAL SUBMITTAL

153
768

\\colw00\PWork\Jobs\70202 - CTSS Phase F\TECHPROD\Sheets\CTSS_PhF_Trunk2_WORTH_GALENA_INTERCONNECT.dwg - WORTH-GALENA-7 layout ~ last saved by: gburch 02/22/2022 09:42pm ~ printed 06/02/2022 12:21pm PSLTS: 1 LTS: 1 CAS: 1:1

ESTIMATED QUANTITIES

SHEET NO.	REFERENCE NO.	LOCATION	STATION		632	633	633																
					SIGNALIZATION, MISC.: CELLULAR ETHERNET COMMUNICATIONS UNIT	CONTROLLER ITEM, MISC.: LAYER 2 ETHERNET SWITCH	CONTROLLER UNIT, TYPE TS2/A2, AS PER PLAN																
			FROM	TO	EACH	EACH	EACH																
WORTHINGTON GALENA RD., INT 3197																							
151	TC-1	WORTHINGTON GALENA RD	13+19, 52' RT		1	1	1																
WORTHINGTON GALENA RD., INT 3199																							
152	TC-1	WORTHINGTON GALENA RD	33+43, 42' LT		1	1	1																
WORTHINGTON GALENA RD., INT 3208																							
153	TC-1	WORTHINGTON GALENA RD	67+86, 46' RT		1	1	1																
SHEET TOTAL					3	3	3	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-

AERIAL SAG: 1.5% AERIAL SAG IS INCLUDED IN THE QUANTITIES FOR ANY AERIAL FIBER OR CABLE ITEMS.

3676-E

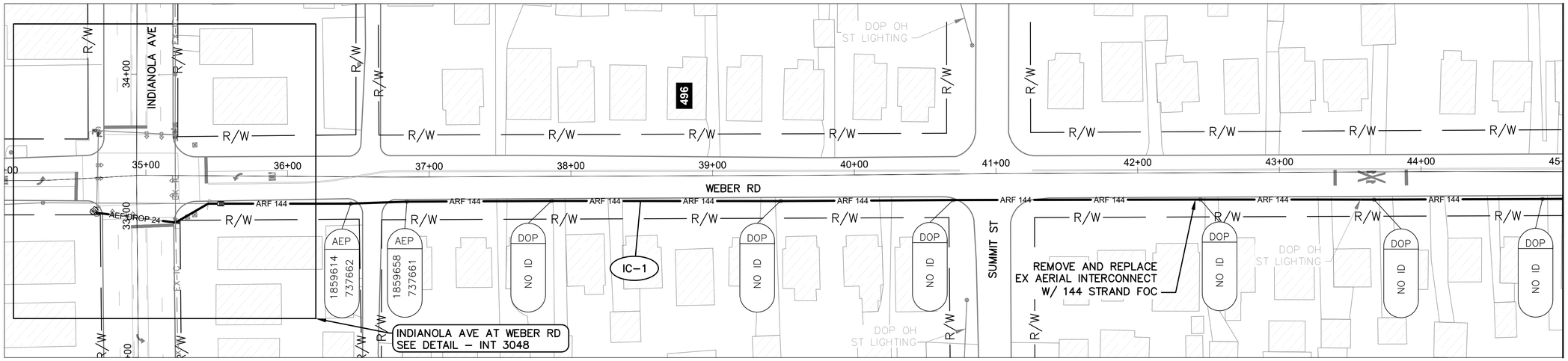
CIP: 540007-100060
PID NUMBER: 110521

WORTHINGTON GALENA RD
INTS 3197, 3199 AND 3208

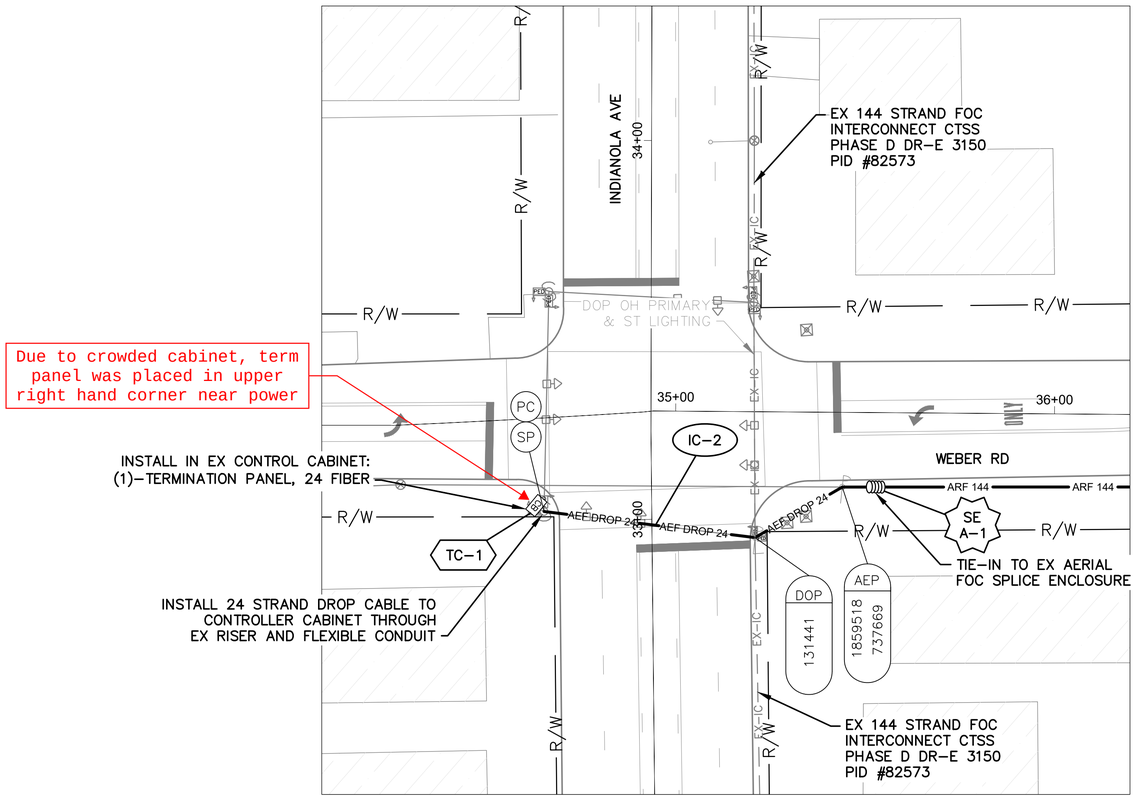
CITY OF COLUMBUS TRAFFIC SIGNAL SYSTEM
(CTSS) PHASE F – FINAL SUBMITTAL

154
768

J:\Jobs\70202 – CTSS Phase F\TECHPROD\Sheets\CTSS_PhF_Trunk2_WORTH_GALENA_IC_QUANTITIES.dwg – WORTH GALENA RD-Q1 layout ~ last saved by: gburch 02/22/2022 09:42pm ~ printed 06/02/2022 10:06am PSLTS: 1 LTS: 1 CAS: 1:1



WEBER RD BETWEEN STATION 34+00 AND 45+00



DETAIL - INT 3048

0 20 40
HORIZONTAL
SCALE IN FEET

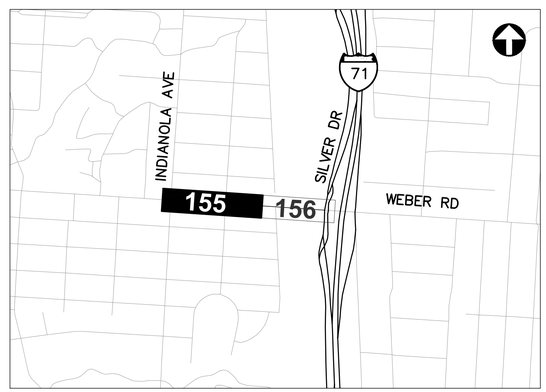
NOTES:

1. SEE SHEET 157 FOR QUANTITIES.
2. SEE SHEETS 462 & 549 FOR COMMUNICATION DETAILS.

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CITY OF COLUMBUS UTILITY LEGEND

- ☐ SEWER
- ☐ WATER
- ☒ POWER
- ☒ LIGHTING



REFER TO SHEET 9 FOR
INTERCONNECT SHEET INDEX

KEY PLAN
NOT TO SCALE

3676-E

0 40 80
HORIZONTAL
SCALE IN FEET

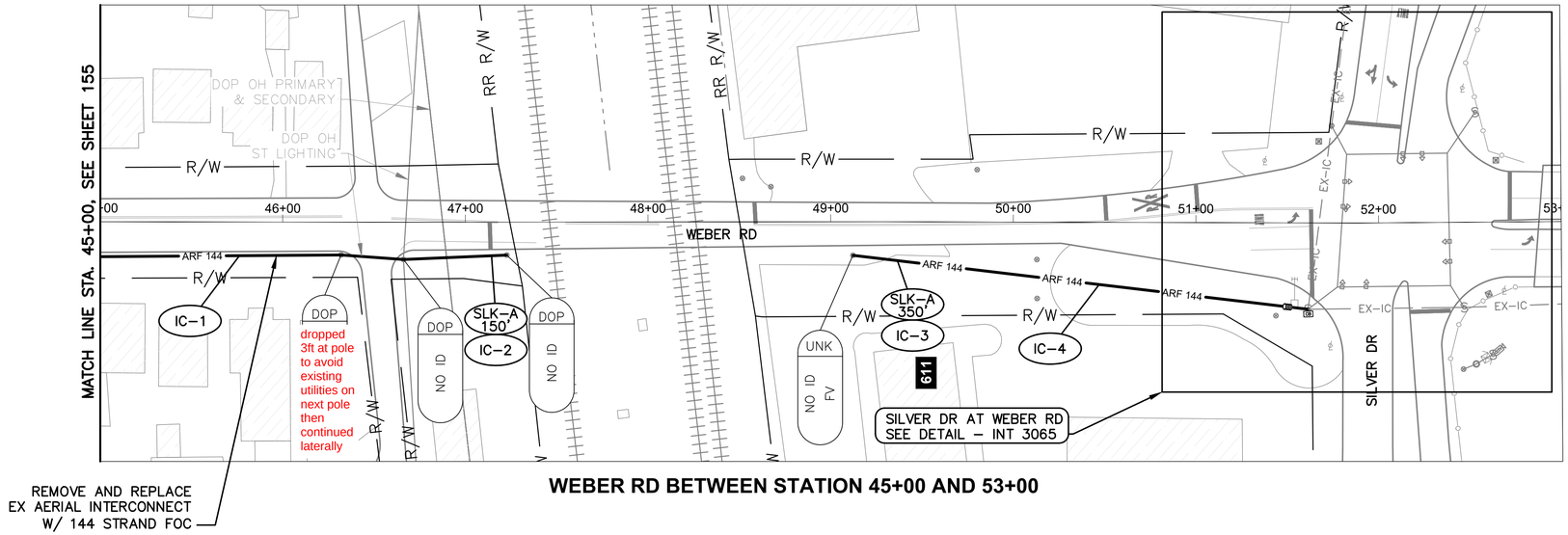
CIP: 540007–100060
PID NUMBER: 110521

INTERCONNECT PLAN
SILVER DR BETWEEN STA. 34+00 AND 45+00, INT 3048

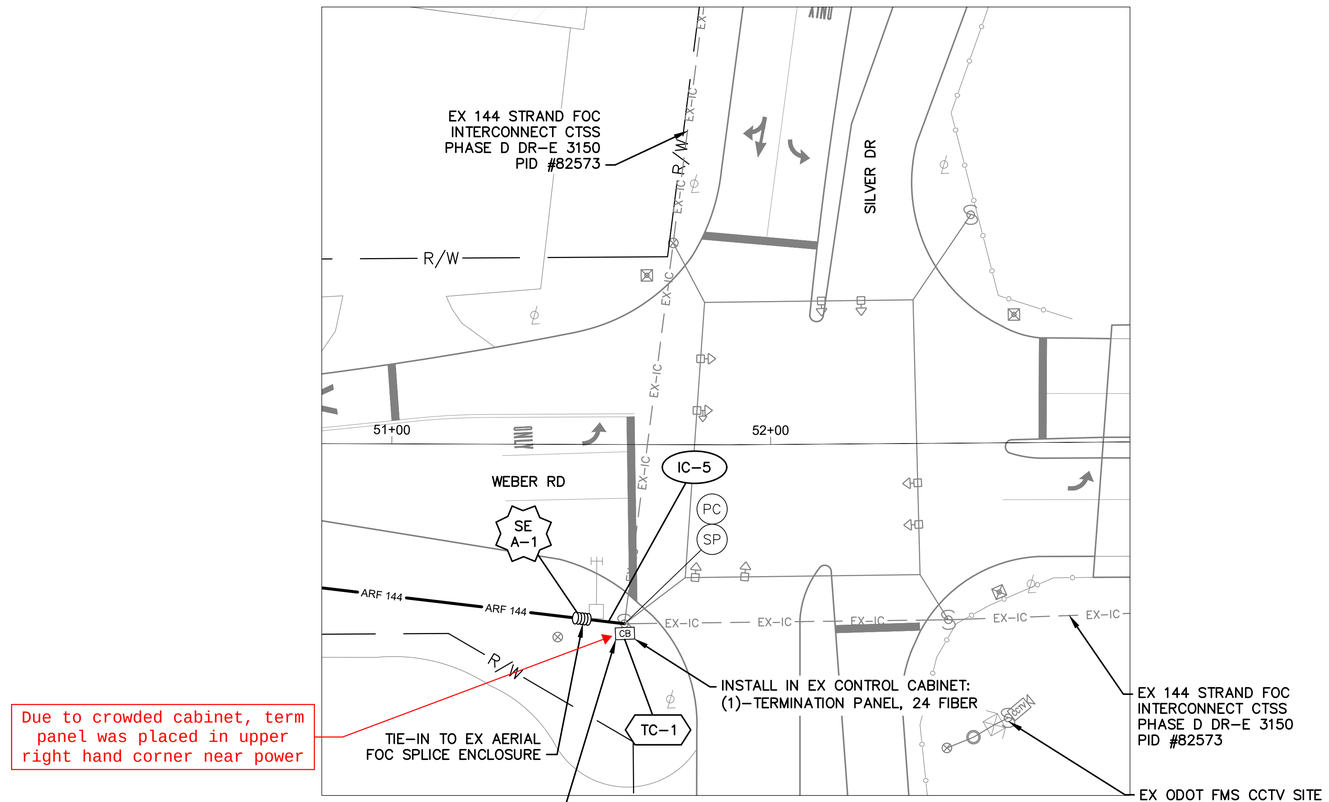
CITY OF COLUMBUS TRAFFIC SIGNAL SYSTEM
(CTSS) PHASE F – FINAL SUBMITTAL

155
768

\\colw001\PWWork\Jobs\70202 – CTSS Phase F\TECHPROD\Sheets\CTSS_PhF_Trunk2_WEBER_INTERCONNECT.dwg – WEBER–1 layout ~ last saved by: gburch 03/18/2022 02:57pm ~ printed 06/02/2022 12:24am PSLTS: 1 LTS: 1 CAS: 1:1



WEBER RD BETWEEN STATION 45+00 AND 53+00



DETAIL - INT 3065

0 20 40
HORIZONTAL
SCALE IN FEET

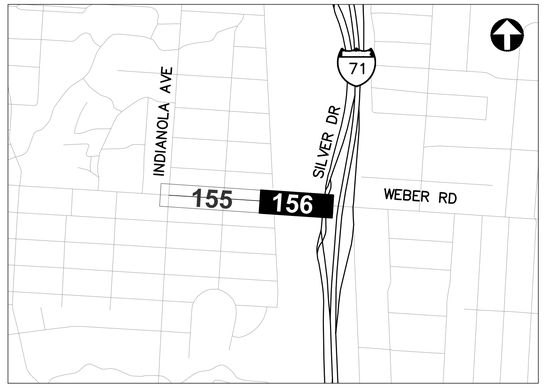
NOTES:

1. SEE SHEET 157 FOR QUANTITIES.
2. SEE SHEETS 462 & 550 FOR COMMUNICATION DETAILS.
3. LIMITED ACCESS RIGHT OF WAY IS LOCATED OUTSIDE OF THE EXTENT OF VIEW SHOWN ABOVE.

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CITY OF COLUMBUS UTILITY LEGEND

- ☐ SEWER
- ☐ WATER
- ☒ POWER
- ☒ LIGHTING



REFER TO SHEET 9 FOR INTERCONNECT SHEET INDEX

KEY PLAN
NOT TO SCALE

3676-E

0 40 80
HORIZONTAL
SCALE IN FEET

CIP: 540007-100060
PID NUMBER: 110521

INTERCONNECT PLAN
SILVER DR BETWEEN STA. 45+00 AND 53+00, INT 3065

CITY OF COLUMBUS TRAFFIC SIGNAL SYSTEM
(CTSS) PHASE F – FINAL SUBMITTAL

156
768

\\colw00\PMWork\Jobs\70202 - CTSS Phase F\TECHPROD\Sheets\CTSS_PhF_Trunk2_WEBER_INTERCONNECT.dwg - WEBER-2 layout - last saved by: gburch 03/18/2022 02:57pm - printed 06/02/2022 12:25am PSLTS: 1 LTS: 1 CAS: 1:1

ESTIMATED QUANTITIES

SHEET NO.	REFERENCE NO.	LOCATION	STATION FROM	STATION TO	632 INTERCONNECT CABLE, MISC.: FIBER OPTIC CABLE, 144 STRAND FT	632 INTERCONNECT CABLE, MISC.: FIBER OPTIC DROP CABLE, 24 STRAND FT	632 INTERCONNECT CABLE, MISC.: FIBER OPTIC FUSION SPLICE EACH	632 INTERCONNECT CABLE, MISC.: OVERLASH TO EXISTING INTERCONNECT FT	632 INTERCONNECT CABLE, MISC.: REMOVE EXISTING OVERHEAD INTERCONNECT FT	632 INTERCONNECT CABLE, MISC.: TERMINATION PANEL, 24 FIBER EACH	632 INTERCONNECT, MISC.: CAT 5E CABLE, OUTDOOR RATED FT	632 MESSENGER WIRE, 7 STRAND, 1/4" DIAMETER WITH ACCESSORIES, AS PER PLAN FT
WEBER RD. BETWEEN STA. 34+00 AND 45+00, INT 3048												
155	TC-1	WEBER RD	34+63, 25' RT			20				1		
155	IC-2	WEBER RD	34+63, 25' RT	35+52, 20' RT		92		92				
155	IC-1	WEBER RD	35+52, 20' RT	45+00, 19' RT	961				961			961
155	SE A-1	WEBER RD	35+52, 20' RT		75	125	204					
WEBER RD. BETWEEN STA. 45+00 AND 53+00, INT 3065												
156	IC-1	WEBER RD	45+00, 19' RT	47+23, 18' RT	227				227			90/ 227
156	IC-2	WEBER RD	47+15, 18' RT		150							
156	IC-4	WEBER RD	49+12, 18' RT	51+50, 46' RT	244				244			244
156	IC-3	WEBER RD	49+37, 21' RT		350							
156	SE A-1	WEBER RD	51+50, 46' RT		75	75/ 125	108					
156	IC-5	WEBER RD	51+50, 46' RT	51+61, 47' RT		11		11				
156	TC-1	WEBER RD	51+61, 47' RT			55				1	55	
SHEET TOTAL					2,082	428	312	103	1,432	2	55	1,432

AERIAL SAG: 1.5% AERIAL SAG IS INCLUDED IN THE QUANTITIES FOR ANY AERIAL FIBER OR CABLE ITEMS.

3676-E

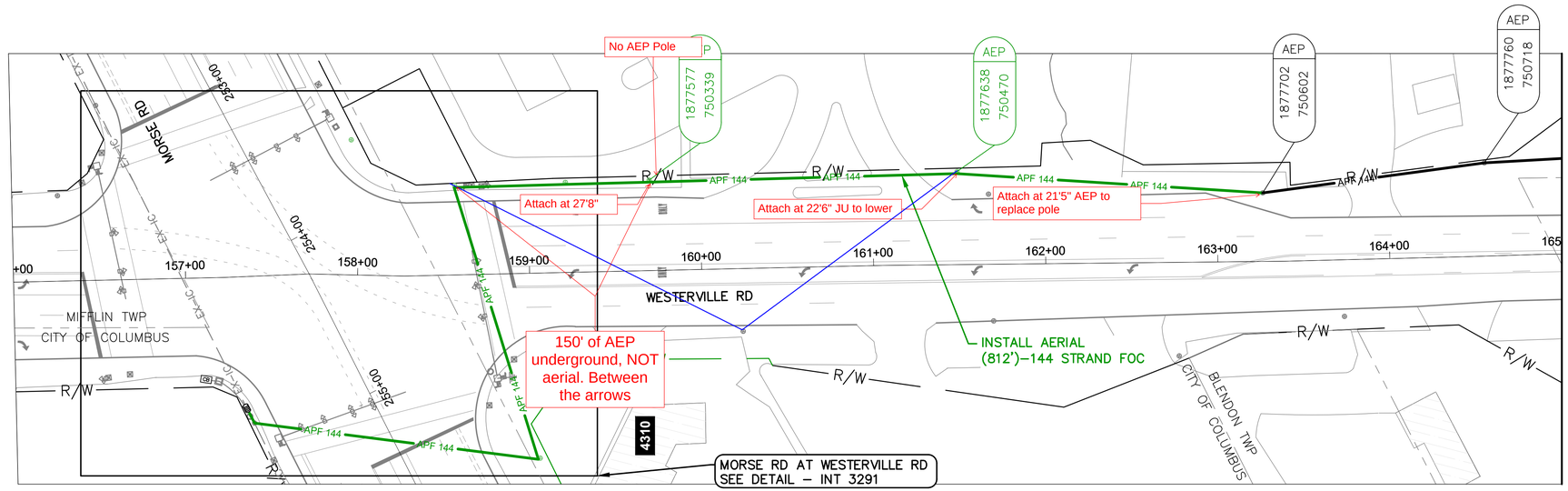
CIP: 540007-100060
PID NUMBER: 110521

WEBER RD BETWEEN 34+00 & 53+00
INTS 3048 AND 3065

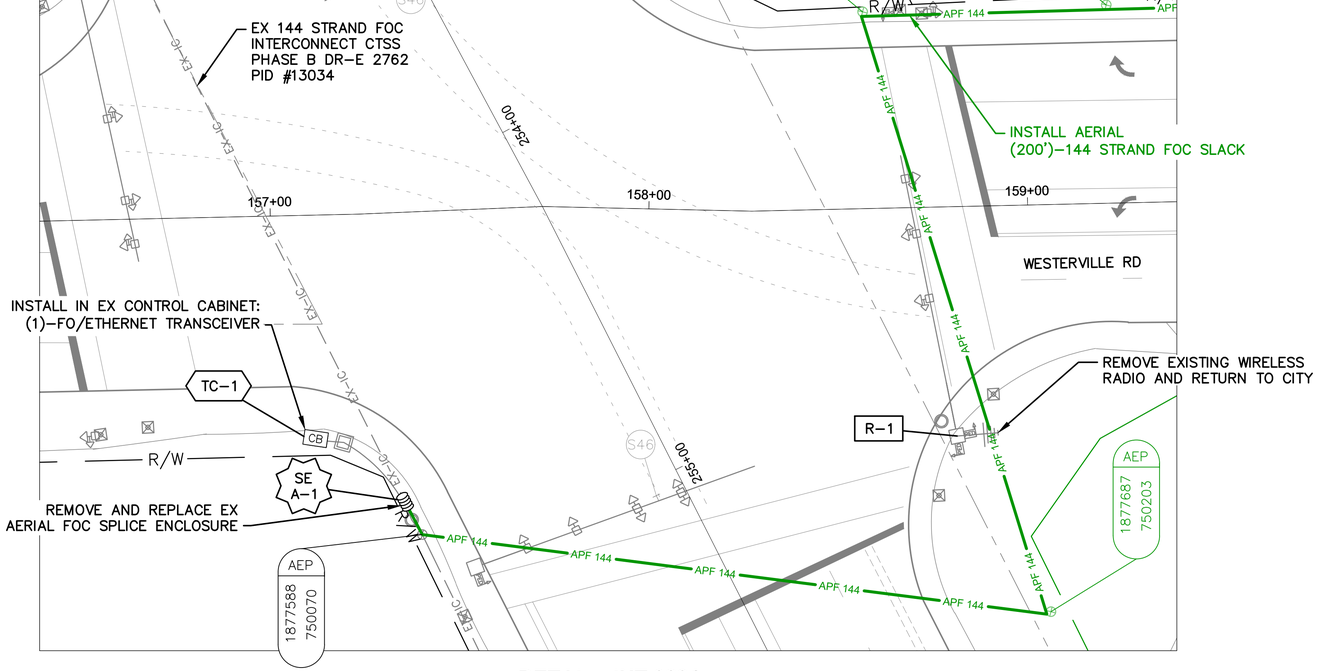
CITY OF COLUMBUS TRAFFIC SIGNAL SYSTEM
(CTSS) PHASE F – FINAL SUBMITTAL

157
768

J:\Jobs\70202 – CTSS Phase F\TECHPROD\Sheets\CTSS_PhF_Trunk2_WEBER_IC_QUANTITIES.dwg – WEBER RD-01 layout ~ last saved by: robevans 02/22/2022 09:42pm ~ printed 06/02/2022 10:06am PSLTS: 1 LTS: 1 CAS: 1:1



WESTERVILLE RD BETWEEN STATION 156+00 AND 165+00



DETAIL - INT 3291

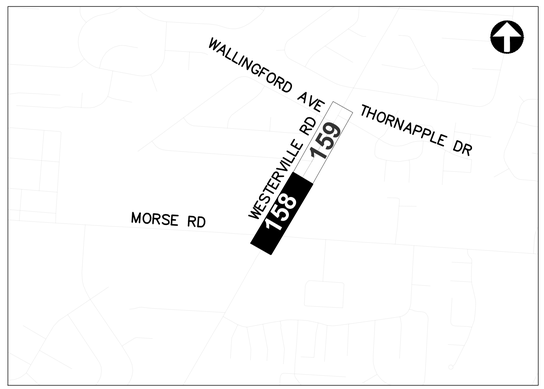
0 20 40
HORIZONTAL SCALE IN FEET

NOTES:

1. SEE SHEET 160 FOR QUANTITIES.
2. SEE SHEETS 463 & 551 FOR COMMUNICATION DETAILS.
3. FIBER INSTALLATION TO BE COORDINATED WITH DR–E 3745.

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CITY OF COLUMBUS UTILITY LEGEND
- ☐ SEWER
- ☐ WATER
- ☐ POWER
- ☐ LIGHTING



REFER TO SHEET 9 FOR INTERCONNECT SHEET INDEX

KEY PLAN
NOT TO SCALE

3 DRAFT REVISION 3.0

3676-E

0 40 80
HORIZONTAL SCALE IN FEET

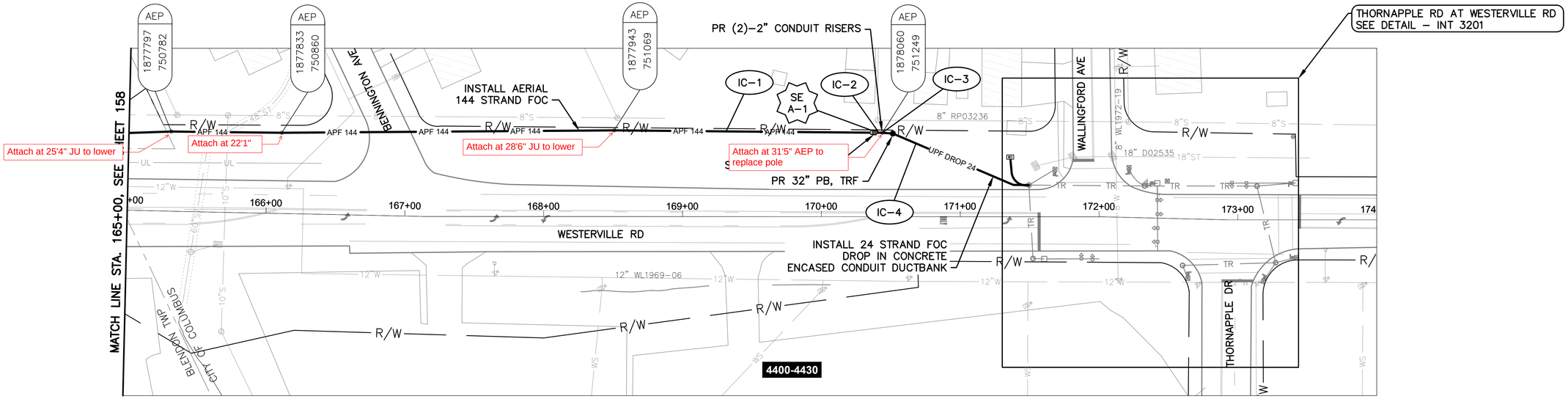
CIP: 540007–100060
PID NUMBER: 110521

INTERCONNECT PLAN
WESTERVILLE RD BETWEEN STA. 156+00 AND 165+00, INT 3291

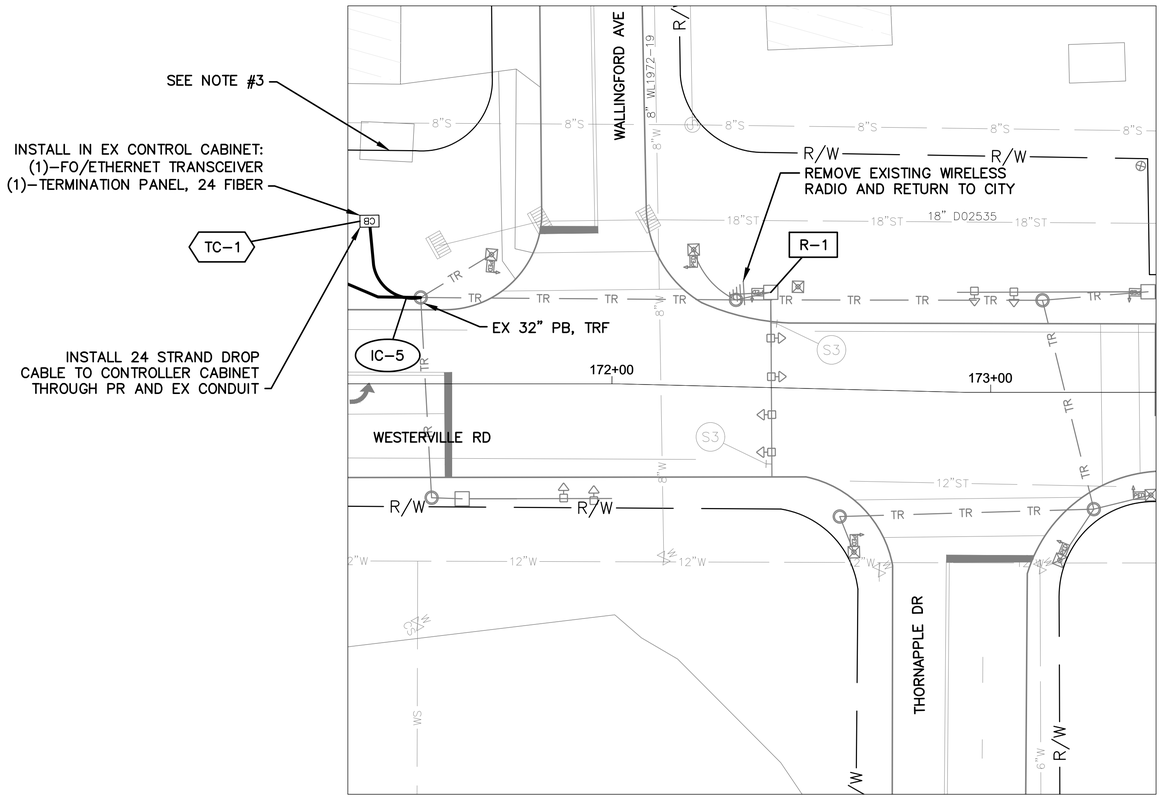
CITY OF COLUMBUS TRAFFIC SIGNAL SYSTEM
(CTSS) PHASE F – FINAL SUBMITTAL

158
768

\\colw001\PMWork\Jobs\70202 – CTSS Phase F\TECHPROD\Sheets\CTSS_PhF_Trunk2_WESTERVILLE_INTERCONNECT.dwg – WESTERVILLE–1 layout ~ last saved by: nseling 07/14/2023 01:52pm ~ printed 07/14/2023 01:58pm PSLTS: 1 LTS: 1 CAS: 1:1



WESTERVILLE RD BETWEEN STATION 165+00 AND 174+00



DETAIL - INT 3201

0 20 40
HORIZONTAL
SCALE IN FEET

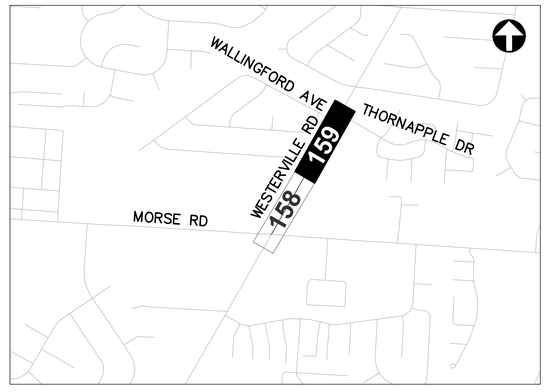
NOTES:

1. SEE SHEET 160 FOR QUANTITIES.
2. SEE SHEETS 463 & 552 FOR COMMUNICATION DETAILS.
3. EXISTING UTILITY SHED ENCROACHES INTO R/W. DO NOT DISTURB. SEE SHEET 27 FOR LIST OF EXISTING R/W ENCROACHMENTS.

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CITY OF COLUMBUS UTILITY LEGEND

☒	SEWER
☐	WATER
☐	POWER
☐	LIGHTING



REFER TO SHEET 9 FOR INTERCONNECT SHEET INDEX

KEY PLAN
NOT TO SCALE

3676-E

0 40 80
HORIZONTAL
SCALE IN FEET

CIP: 540007–100060
PID NUMBER: 110521

INTERCONNECT PLAN
WESTERVILLE RD BETWEEN STA. 165+00 AND 174+00, INT 3201

CITY OF COLUMBUS TRAFFIC SIGNAL SYSTEM
(CTSS) PHASE F – FINAL SUBMITTAL

159
768

\\colw00\PWWork\Jobs\170202 – CTSS Phase F\TECHPROD\Sheets\CTSS_PhF_Trunk2_WESTERVILLE_INTERCONNECT.dwg – WESTERVILLE–2 layout ~ last saved by gburch 05/26/2022 10:47pm ~ printed 06/02/2022 12:27pm PSLTS: 1 LTS: 1 CAS: 1:1

ESTIMATED QUANTITIES

SHEET NO.	REFERENCE NO.	LOCATION	STATION		202	202	625	625	625	632	632	632	632	632	632	632	633								
					EXISTING CONDUIT CLEANED, AS PER PLAN	REMOVAL, MISC.: REMOVE EXISTING OVERHEAD EQUIPMENT	CONDUIT, CONCRETE ENCASED, 2-3", 725.051, AS PER PLAN	PULL BOX, CONCRETE 32", AS PER PLAN	TRENCH, 36" DEEP, AS PER PLAN	INTERCONNECT CABLE, MISC.: FIBER OPTIC CABLE, 144 STRAND	INTERCONNECT CABLE, MISC.: FIBER OPTIC DROP CABLE, 24 STRAND	INTERCONNECT CABLE, MISC.: FIBER OPTIC FUSION SPLICE	INTERCONNECT CABLE, MISC.: TERMINATION PANEL, 24 FIBER	INTERCONNECT, MISC.: SPLICE ENCLOSURE, DOME, 288 SPLICE	INTERCONNECT, MISC.: SPLICE ENCLOSURE, DOME, 800 SPLICE	MESSENGER WIRE, 7 STRAND, 1/4" DIAMETER WITH ACCESSORIES, AS PER PLAN	CONTROLLER ITEM, MISC.: FIBER OPTIC ETHERNET TRANSCEIVER, SHORT RANGE							
			FROM	TO	FT	EACH	FT	EACH	FT	FT	FT	EACH	EACH	EACH	EACH	FT	EACH							
WESTERVILLE RD. BETWEEN STA. 156+00 AND 165+00, INT 3291																									
158	TC-1	WESTERVILLE RD	157+11,59' RT														1								
158	IC-1	WESTERVILLE RD	157+32, 76' RT	165+00, 56' LT						992						992									
158	SE A-1	WESTERVILLE RD	157+32, 76' RT							75		120			1										
158	IC-2	WESTERVILLE RD	158+75, 49' LT							200															
158	R-1	WESTERVILLE RD	158+80, 61' RT			1																			
WESTERVILLE RD. BETWEEN STA. 165+00 AND 174+00, INT 3201																									
159	IC-1	WESTERVILLE RD	165+00, 56' LT	170+43, 60' LT						551						551									
159	SE A-1	WESTERVILLE RD	170+37, 61' LT							75	125	12		1											
159	IC-2	WESTERVILLE RD	170+37, 61' LT	170+43, 60' LT							6					6									
159	IC-3	WESTERVILLE RD	170+43, 60' LT								35														
159	IC-4	WESTERVILLE RD	170+43, 60' LT	171+49, 23' LT			113	1	113		113														
159	TC-1	WESTERVILLE RD	171+36, 43' LT								20		1				1								
159	IC-5	WESTERVILLE RD	171+36, 43' LT	171+49, 23' LT	28						28														
159	R-1	WESTERVILLE RD	172+41, 25' LT			1																			
SHEET TOTAL					28	2	113	1	113	1,893	327	132	1	1	1	1,549	2	-	-	-	-	-	-	-	

AERIAL SAG: 1.5% AERIAL SAG IS INCLUDED IN THE QUANTITIES FOR ANY AERIAL FIBER OR CABLE ITEMS.

3676-E

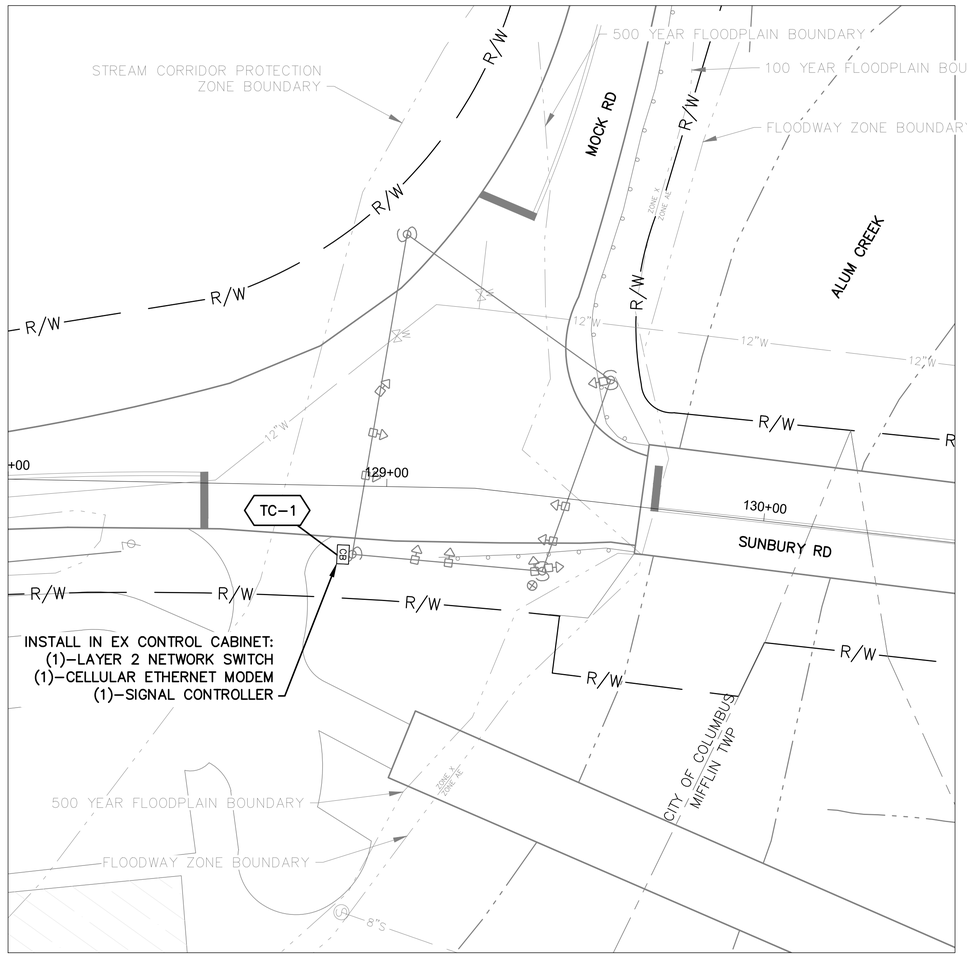
CIP: 540007-100060
PID NUMBER: 110521

WESTERVILLE RD BETWEEN STA. 156+00 & 174+00
INTS 3291 AND 3201

CITY OF COLUMBUS TRAFFIC SIGNAL SYSTEM
(CTSS) PHASE F – FINAL SUBMITTAL

160
768

J:\Jobs\70202 – CTSS Phase F\TECHPROD\Sheets\CTSS_PhF_Trunk2_WESTERVILLE_IC_QUANTITIES.dwg – WESTERVILLE RD-Q1 layout ~ last saved by: robevans 02/22/2022 09:42pm ~ printed 06/02/2022 10:07am PSLTS: 1 LTS: 1 CAS: 1:1



DETAIL - INT 3137 - MOCK RD AT SUNBURY RD

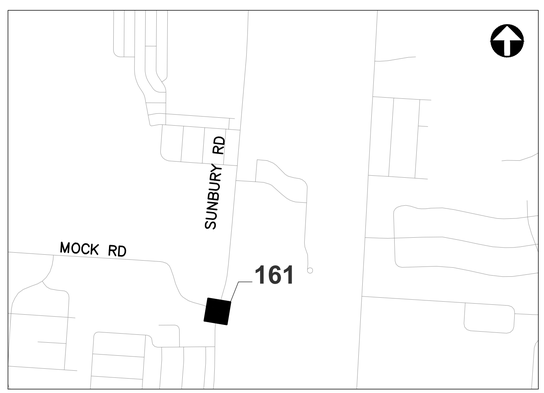
NOTES:

1. SEE SHEET 164 FOR QUANTITIES.
2. SEE SHEETS 463 & 562 FOR COMMUNICATION DETAILS.

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CITY OF COLUMBUS UTILITY LEGEND

- ☐ SEWER
- ☐ WATER
- ☐ POWER
- ☐ LIGHTING



REFER TO SHEET 9 FOR INTERCONNECT SHEET INDEX

KEY PLAN
NOT TO SCALE

3676-E

HORIZONTAL SCALE IN FEET
0 20 40

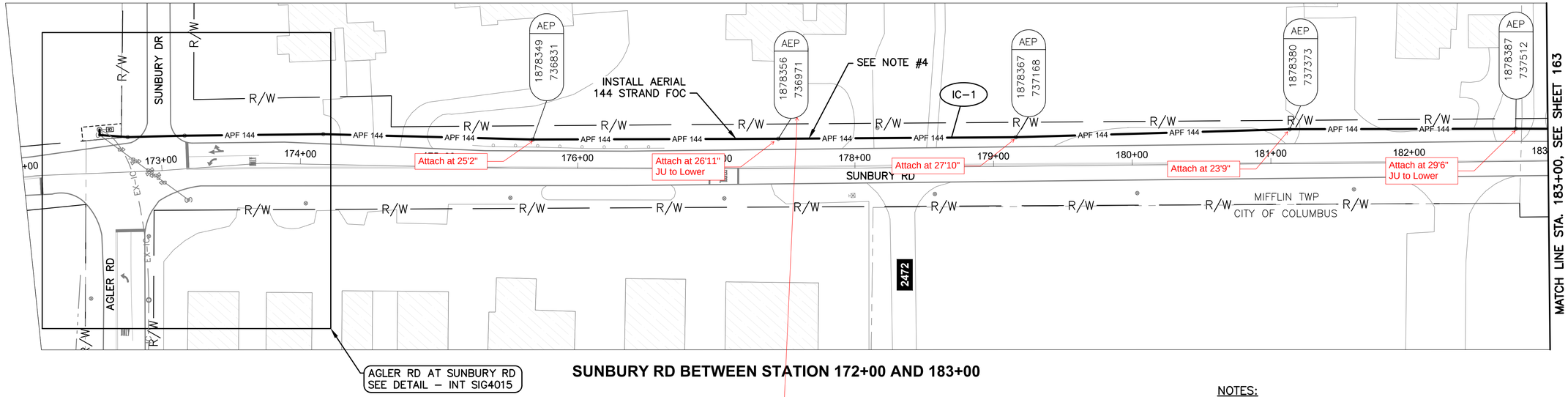
CIP: 540007-100060
PID NUMBER: 110521

INTERCONNECT PLAN
INT 3137 - MOCK RD AT SUNBURY RD

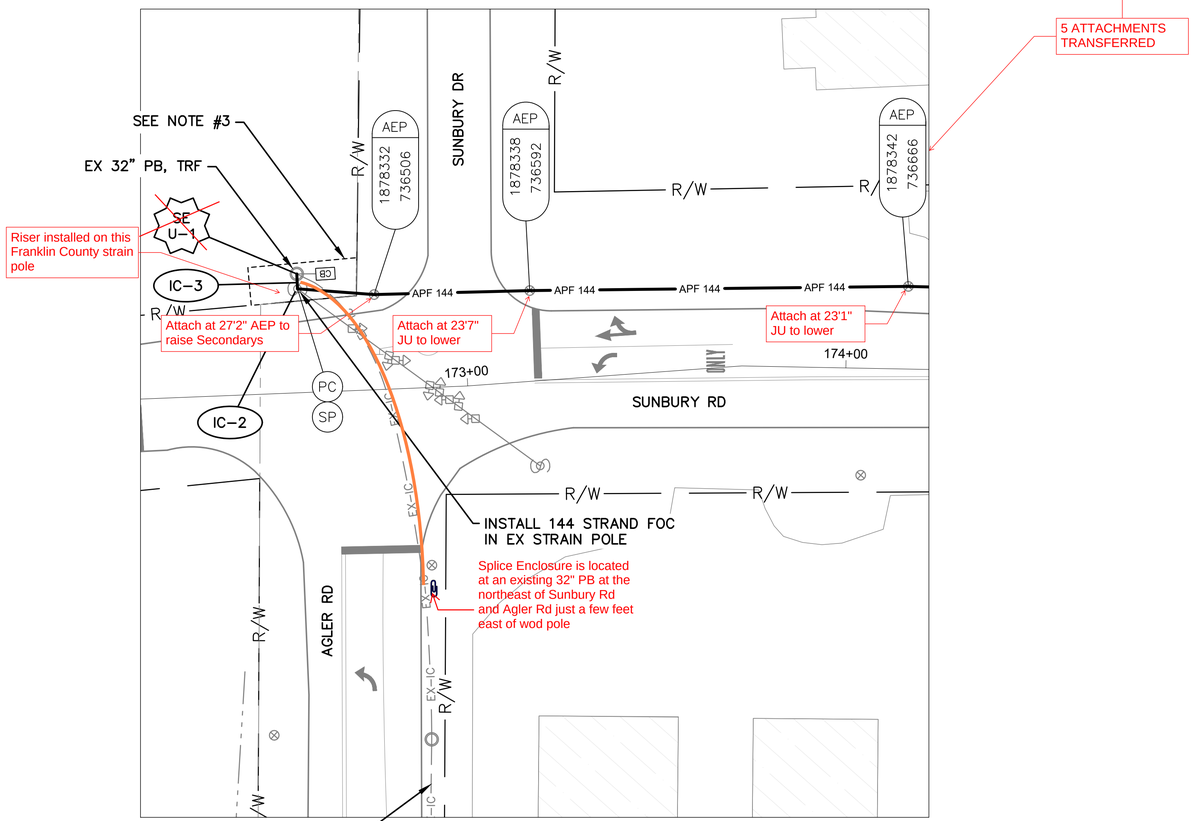
CITY OF COLUMBUS TRAFFIC SIGNAL SYSTEM
(CTSS) PHASE F - FINAL SUBMITTAL

161
768

\\colw001\PMWork\Jobs\70202 - CTSS Phase F\TECHPROD\Sheets\CTSS_PhF_Trunk2_SUNBURY_INTERCONNECT.dwg - SUNBURY-5 layout - last saved by: gburch 02/24/2022 11:46am - printed 06/02/2022 12:29pm PSLTS: 1 LTS: 1 CAS: 1:1



SUNBURY RD BETWEEN STATION 172+00 AND 183+00



DETAIL - INT SIG4015

0 20 40
HORIZONTAL
SCALE IN FEET

NOTES:

1. SEE SHEET 164 FOR QUANTITIES.
2. SEE SHEETS 463 & 561 FOR COMMUNICATION DETAILS.
3. EXISTING EASEMENT, INSTRUMENT NUMBER #201612140172366.
4. INSTALL CABLE GUARD WHERE AERIAL OBSTRUCTIONS ARE PRESENT.

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CITY OF COLUMBUS UTILITY LEGEND

- ☐ SEWER
- ☐ WATER
- ☐ POWER
- ☐ LIGHTING



REFER TO SHEET 9 FOR INTERCONNECT SHEET INDEX

KEY PLAN
NOT TO SCALE

3676-E

0 40 80
HORIZONTAL
SCALE IN FEET

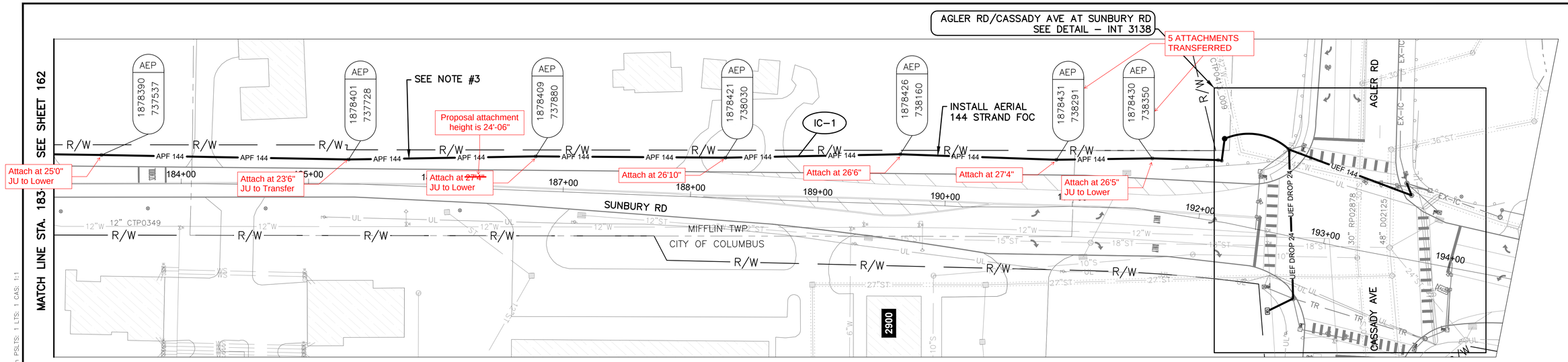
CIP: 540007–100060
PID NUMBER: 110521

INTERCONNECT PLAN
SUNBURY RD BETWEEN STA. 172+00 AND 183+00, INT SIG4015

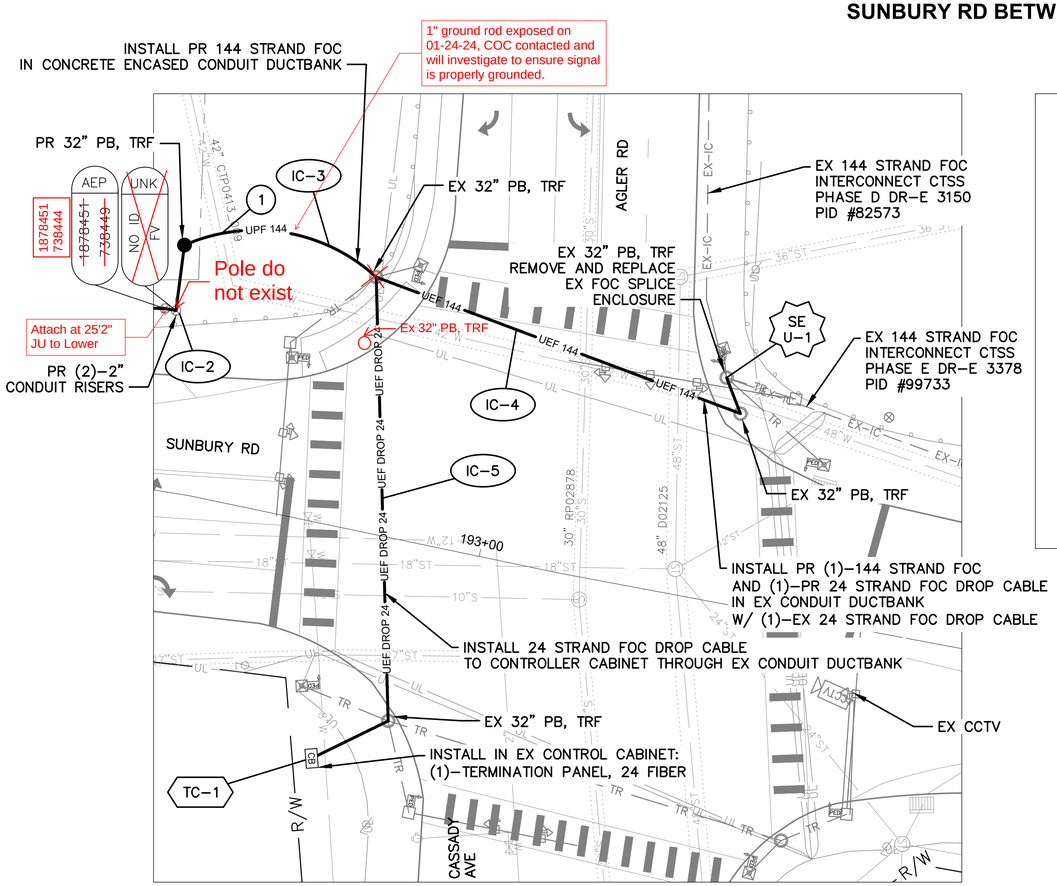
CITY OF COLUMBUS TRAFFIC SIGNAL SYSTEM
(CTSS) PHASE F – FINAL SUBMITTAL

162
768

\\colw00\PWork\Jobs\70202 – CTSS Phase F\TECHPROD\Sheets\CTSS_PhF_Trunk2_SUNBURY_INTERCONNECT.dwg – SUNBURY–8 layout ~ last saved by: gburch 02/24/2022 11:46am ~ printed 06/02/2022 12:30am PSLTS: 1 LTS: 1 CAS: 1:1

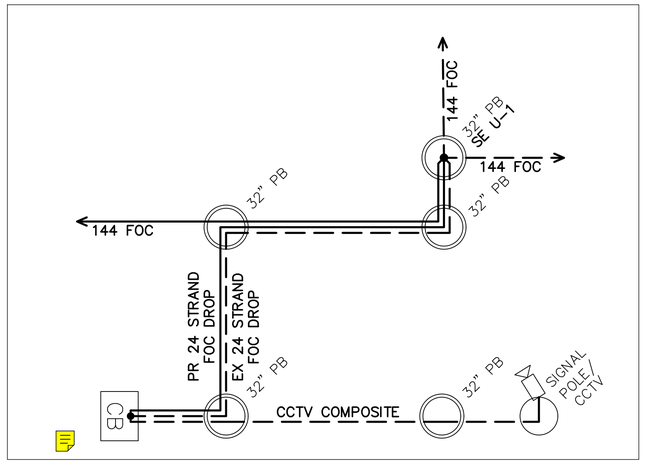


SUNBURY RD BETWEEN STATION 183+00 AND 194+50



DETAIL - INT 3138

0 20 40
HORIZONTAL SCALE IN FEET



CABLE SCHEMATIC - INT 3138
NOT TO SCALE

NOTES:

1. SEE SHEET 164 FOR QUANTITIES.
2. SEE SHEETS 463 & 560 FOR COMMUNICATION DETAILS.
3. INSTALL CABLE GUARD WHERE AERIAL OBSTRUCTIONS ARE PRESENT.

(#) EXISTING UTILITY CROSSING. SEE UTILITY CROSSING INFO SHEET 18.

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CITY OF COLUMBUS UTILITY LEGEND

☒	SEWER
☒	WATER
☐	POWER
☒	LIGHTING



REFER TO SHEET 9 FOR INTERCONNECT SHEET INDEX

KEY PLAN
NOT TO SCALE

0 40 80
HORIZONTAL SCALE IN FEET

CIP: 540007–100060
PID NUMBER: 110521

INTERCONNECT PLAN
SUNBURY RD BETWEEN STA. 181+00 AND 194+50, INT 3138

CITY OF COLUMBUS TRAFFIC SIGNAL SYSTEM
(CTSS) PHASE F – FINAL SUBMITTAL

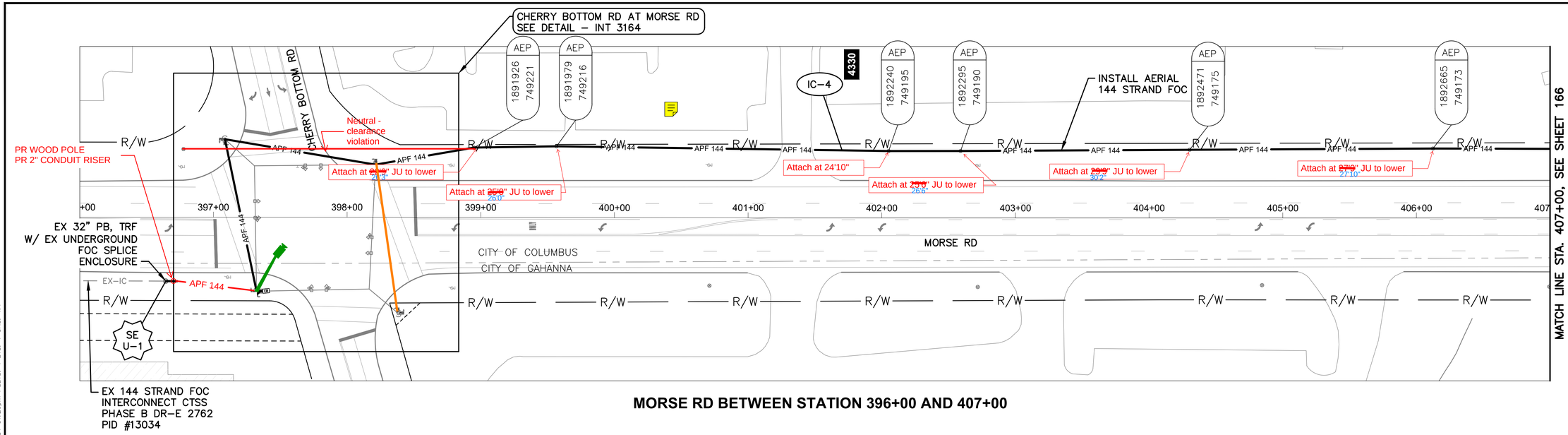
163
768

3676-E

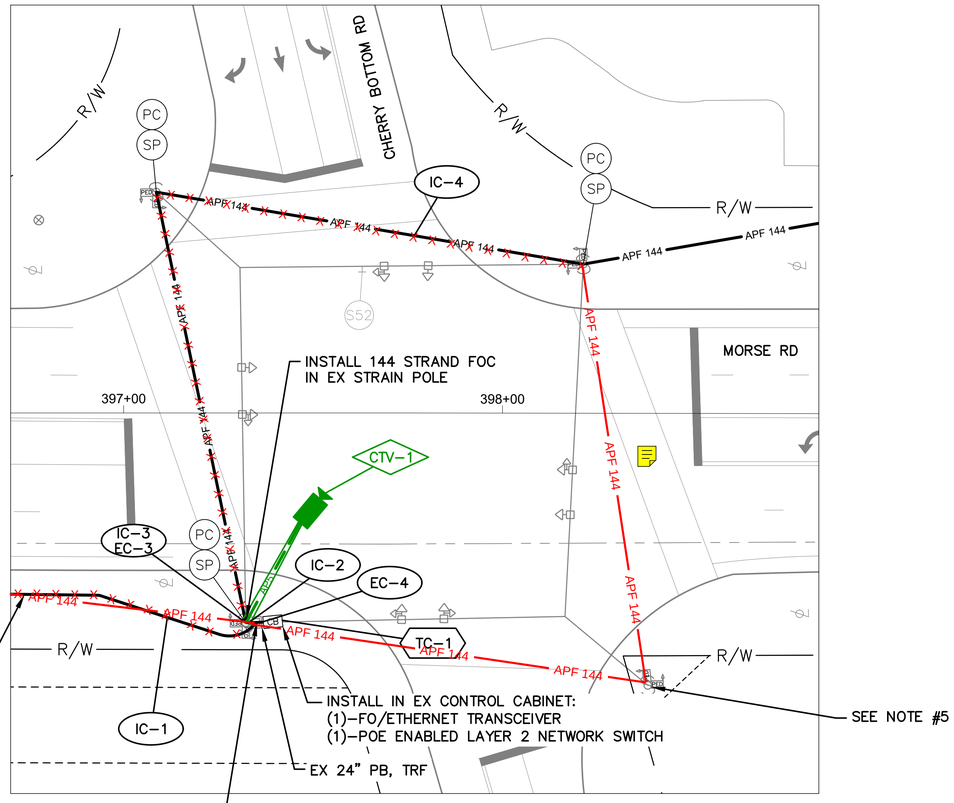
\\colw001\PWWork\Jobs\70202 – CTSS Phase F\TECHPROD\Sheets\CTSS_PhF_Trunk2_SUNBURY_INTERCONNECT.dwg – SUNBURY–9 layout – last saved by gburch 02/24/2022 11:46am – printed 06/02/2022 12:32am PSLTS: 1 LTS: 1 CAS: 1:1

ESTIMATED QUANTITIES

SHEET NO.	REFERENCE NO.	LOCATION	STATION		202	625	625	632	632	632	632	632	632	632	632	633	633								
					EXISTING CONDUIT CLEANED, AS PER PLAN	CONDUIT, CONCRETE ENCASED, 2-3", 725.051, AS PER PLAN	TRENCH, 36" DEEP, AS PER PLAN	CONDUIT RISER, 2", 725.051, AS PER PLAN	INTERCONNECT CABLE, MISC.: FIBER OPTIC CABLE, 144 STRAND	INTERCONNECT CABLE, MISC.: FIBER OPTIC DROP CABLE, 24 STRAND	INTERCONNECT CABLE, MISC.: FIBER OPTIC FUSION SPLICE	INTERCONNECT CABLE, MISC.: TERMINATION PANEL, 24 FIBER	INTERCONNECT, MISC.: SPLICE ENCLOSURE, DOME, 800 SPLICE	MESSENGER WIRE, 7 STRAND, 1/4" DIAMETER WITH ACCESSORIES, AS PER PLAN	SIGNALIZATION, MISC.: CELLULAR ETHERNET COMMUNICATIONS UNIT	CONTROLLER ITEM, MISC.: LAYER 2 ETHERNET SWITCH	CONTROLLER UNIT, TYPE TS2/A2, AS PER PLAN							
			FROM	TO	FT	FT	FT	EACH	FT	FT	EACH	EACH	EACH	FT	EACH	EACH	EACH							
SUNBURY RD., INT 3137																									
161	TC-1	SUNBURY RD	128+91, 18' RT												1	1	1								
SUNBURY RD. BETWEEN STA. 172+00 AND 183+00, INT SIG4015																									
162	IC-1	SUNBURY RD	172+44, 27' LT	183+00, 23' LT					1,045					1,045											
162	IC-3	SUNBURY RD	172+44, 27' LT	172+44, 31' LT	4				4																
162	IC-2	SUNBURY RD	172+44, 27' LT						35																
162	SE U-1	SUNBURY RD	172+44, 31' LT						75		144														
SUNBURY RD. BETWEEN STA. 183+00 AND 194+50, INT 3138																									
163	IC-1	SUNBURY RD	183+00, 23' LT	192+10, 48' LT					931					931											
163	IC-2	SUNBURY RD	192+10, 48' LT					1	35																
163	IC-3	SUNBURY RD	192+10, 48' LT	192+58, 67' LT		54	54		54																
163	IC-4	SUNBURY RD	192+58, 67' LT	193+55, 59' LT	96				96																
163	IC-5	SUNBURY RD	192+58, 67' LT	192+67, 61' RT	140					140															
163	TC-1	SUNBURY RD	192+67, 61' RT							20		1													
163	SE U-1	SUNBURY RD	193+55, 59' LT						75	125	12		1												



MORSE RD BETWEEN STATION 396+00 AND 407+00



DETAIL - INT 3164

0 20 40
HORIZONTAL SCALE IN FEET

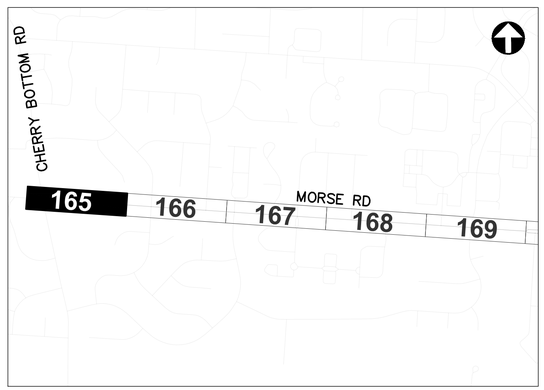
NOTES:

1. SEE SHEET 171 FOR QUANTITIES.
2. SEE SHEETS 463 & 553 FOR COMMUNICATION DETAILS.
3. PROPOSED COMMUNICATIONS CONTINUE WEST TO NODE #270032.2. SEE SHEETS 463, 554, 555 & 705 FOR CONTINUATION.
4. SEE SHEET 49 FOR CCTV MOUNTING DETAILS.
5. EXISTING UNITED DAIRY FARMERS INC EASEMENT, INSTRUMENT #199904220099740.

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CITY OF COLUMBUS UTILITY LEGEND
- ☐ SEWER
- ☐ WATER
- ☐ POWER
- ☐ LIGHTING

DRAFT REVISION 11.0



REFER TO SHEET 9 FOR INTERCONNECT SHEET INDEX

KEY PLAN
NOT TO SCALE

3676-E

0 40 80
HORIZONTAL SCALE IN FEET

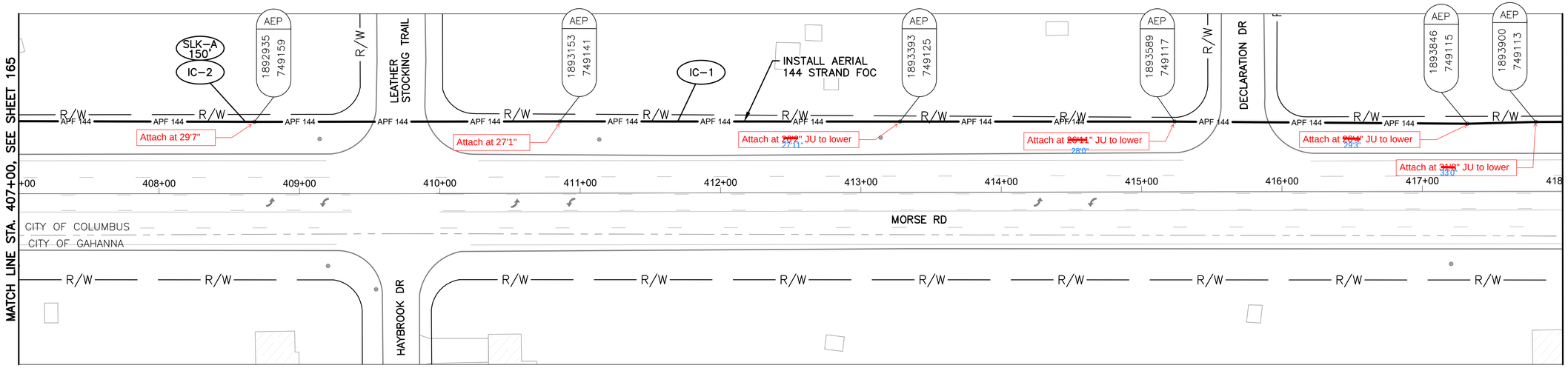
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PID NUMBER: 110521

INTERCONNECT PLAN
MORSE RD BETWEEN STA. 396+00 AND 407+00, INT 3164

CITY OF COLUMBUS TRAFFIC SIGNAL SYSTEM
(CTSS) PHASE F – FINAL SUBMITTAL

165
768

\\colw00\PWWork\Jobs\70202 – CTSS Phase F\TECHPROD\Sheets\CTSS_PhF_Trunk2_MORSE_INTERCONNECT.dwg – MORSE–1 layout – last saved by: nseling 07/12/2024 01:24pm – printed 07/12/2024 01:26pm PSLTS: 1 LTS: 1 CAS: 1:1



MORSE RD BETWEEN STATION 407+00 AND 418+00

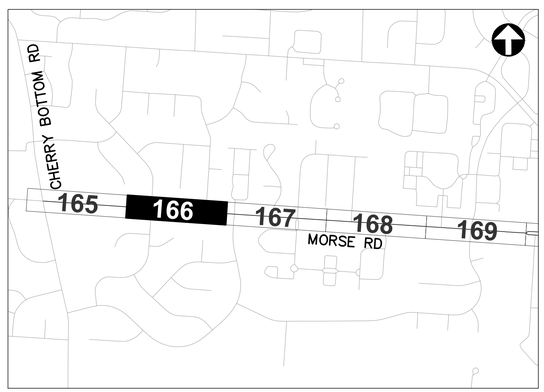
NOTES:

1. SEE SHEET 171 FOR QUANTITIES.
2. SEE SHEET 463 FOR COMMUNICATION DETAILS.

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CITY OF COLUMBUS UTILITY LEGEND

- ☐ SEWER
- ☐ WATER
- ☐ POWER
- ☐ LIGHTING



REFER TO SHEET 9 FOR INTERCONNECT SHEET INDEX

KEY PLAN
NOT TO SCALE

3676-E

HORIZONTAL SCALE IN FEET
0 40 80

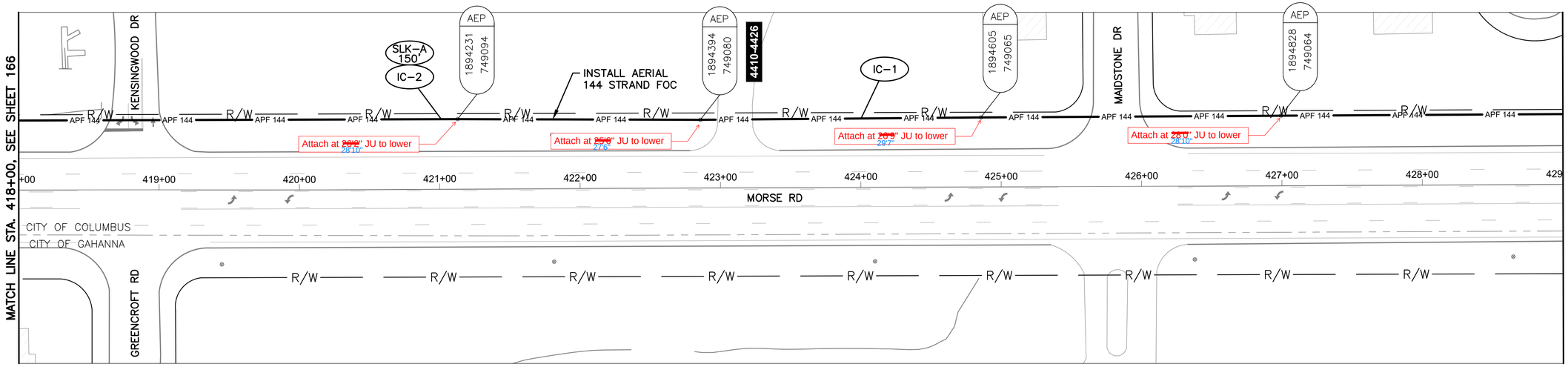
CIP: 540007–100060
PID NUMBER: 110521

INTERCONNECT PLAN
MORSE RD BETWEEN STA. 407+00 AND 418+00

CITY OF COLUMBUS TRAFFIC SIGNAL SYSTEM
(CTSS) PHASE F – FINAL SUBMITTAL

166
768

\\colw00\PWWork\Jobs\70202 – CTSS Phase F\TECHPROD\Sheets\CTSS_PhF_Trunk2_MORSE_INTERCONNECT.dwg – MORSE–2 layout – last saved by: gburch 05/26/2022 11:10pm – printed 06/02/2022 12:34am PSLTS: 1 LTS: 1 CAS: 1:1



MORSE RD BETWEEN STATION 418+00 AND 429+00

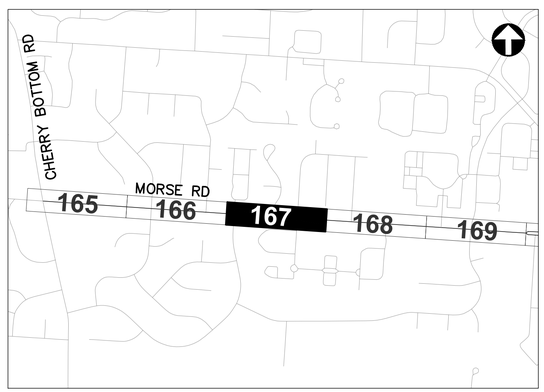
NOTES:

1. SEE SHEET 171 FOR QUANTITIES.
2. SEE SHEET 463 FOR COMMUNICATION DETAILS.

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CITY OF COLUMBUS UTILITY LEGEND

- ☐ SEWER
- ☐ WATER
- ☐ POWER
- ☐ LIGHTING



REFER TO SHEET 9 FOR INTERCONNECT SHEET INDEX

KEY PLAN
NOT TO SCALE

3676-E

HORIZONTAL SCALE IN FEET
0 40 80

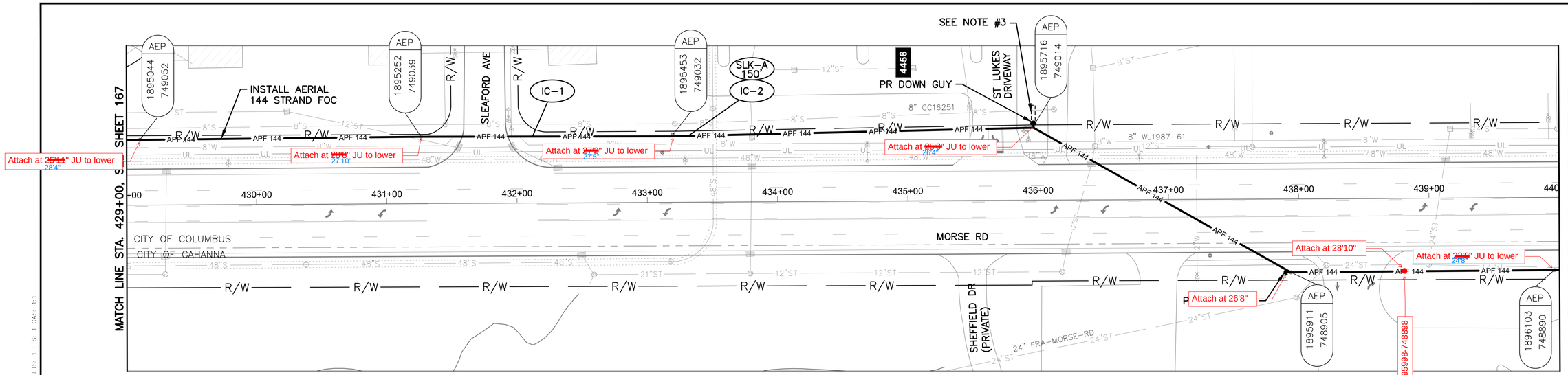
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PID NUMBER: 110521

INTERCONNECT PLAN
MORSE RD BETWEEN STA. 418+00 AND 429+00

CITY OF COLUMBUS TRAFFIC SIGNAL SYSTEM
(CTSS) PHASE F – FINAL SUBMITTAL

167
768

\\colw00\PWWork\Jobs\70202 – CTSS Phase F\TECHPROD\Sheets\CTSS_PhF_Trunk2_MORSE_INTERCONNECT.dwg – MORSE–3 layout – last saved by: gburch 05/26/2022 11:10pm – printed 06/02/2022 12:35pm PSLTS: 1 LTS: 1 CAS: 1:1



MORSE RD BETWEEN STATION 429+00 AND 440+00

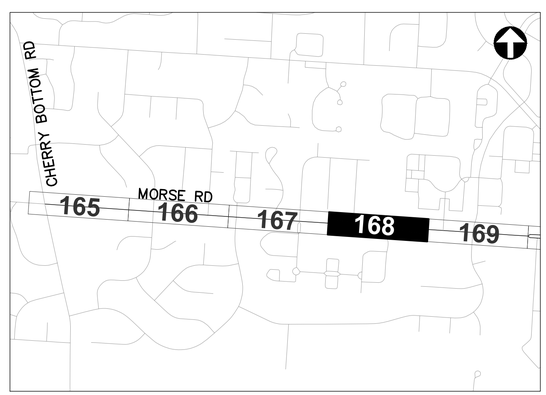
NOTES:

1. SEE SHEET 171 FOR QUANTITIES.
2. SEE SHEET 463 FOR COMMUNICATION DETAILS.
3. EXISTING AEP EASEMENT, INSTRUMENT NUMBER #199906100147807.

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CITY OF COLUMBUS UTILITY LEGEND

☒	SEWER
☒	WATER
☐	POWER
☒	LIGHTING



REFER TO SHEET 9 FOR INTERCONNECT SHEET INDEX

KEY PLAN
NOT TO SCALE

3676-E

HORIZONTAL SCALE IN FEET
0 40 80

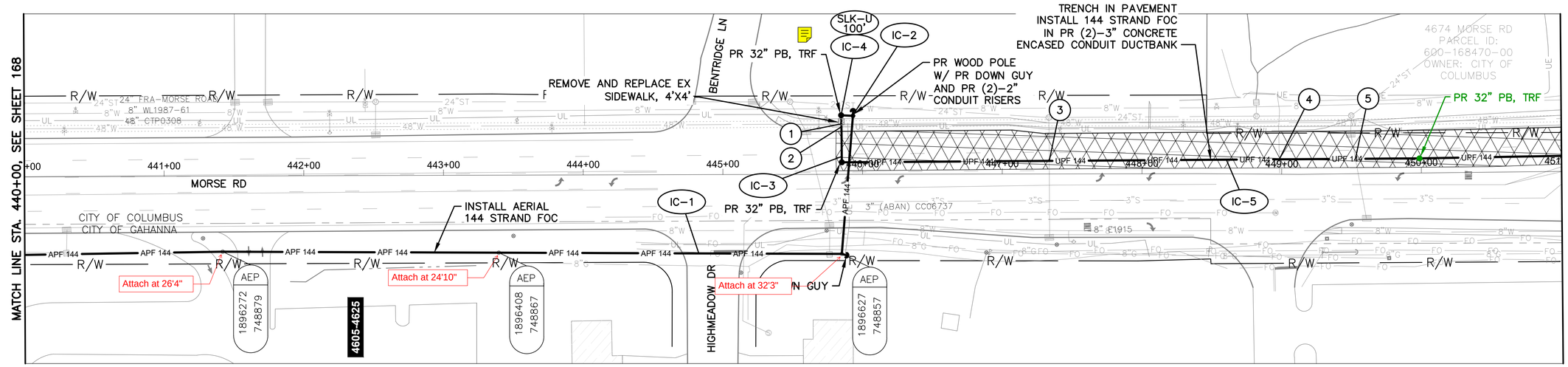
CIP: 540007-100060
PID NUMBER: 110521

INTERCONNECT PLAN
MORSE RD BETWEEN STA. 429+00 AND 440+00

CITY OF COLUMBUS TRAFFIC SIGNAL SYSTEM
(CTSS) PHASE F – FINAL SUBMITTAL

168
768

\\colw00\PMWork\Jobs\70202 - CTSS Phase F\TECHPROD\Sheets\CTSS_PhF_Trunk2_MORSE_INTERCONNECT.dwg - MORSE_4 layout ~ last saved by: gburch 05/26/2022 11:10pm ~ printed 06/02/2022 12:36pm PSLTS: 1 LTS: 1 CAS: 1:1



MORSE RD BETWEEN STATION 440+00 AND 451+00

NOTES:

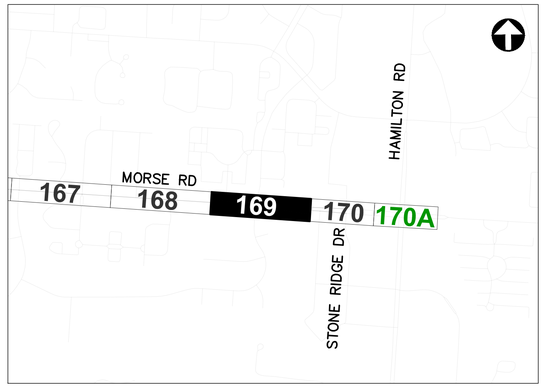
1. SEE SHEET 171 FOR QUANTITIES.
2. SEE SHEET 463 FOR COMMUNICATION DETAILS.

(#) EXISTING UTILITY CROSSING. SEE UTILITY CROSSING INFO SHEET 18.

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CITY OF COLUMBUS UTILITY LEGEND

☒	SEWER
☒	WATER
☐	POWER
☒	LIGHTING



REFER TO SHEET 9 FOR INTERCONNECT SHEET INDEX

KEY PLAN
NOT TO SCALE

3 DRAFT REVISION 3.0

3676-E

HORIZONTAL SCALE IN FEET
0 40 80

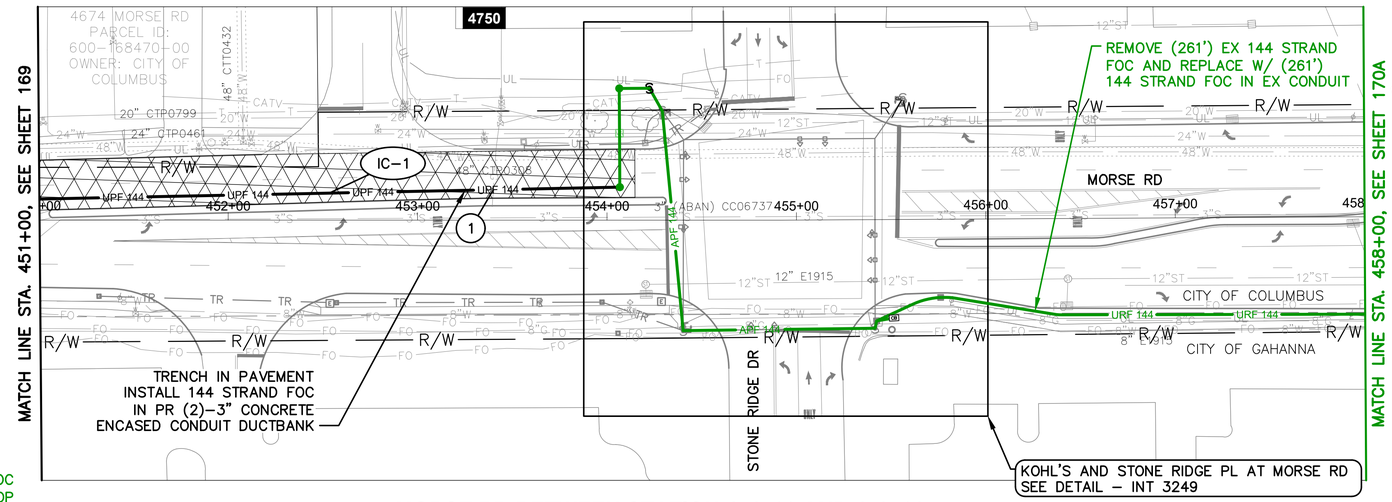
CIP: 540007-100060
PID NUMBER: 110521

INTERCONNECT PLAN
MORSE RD BETWEEN STA. 440+00 AND 451+00

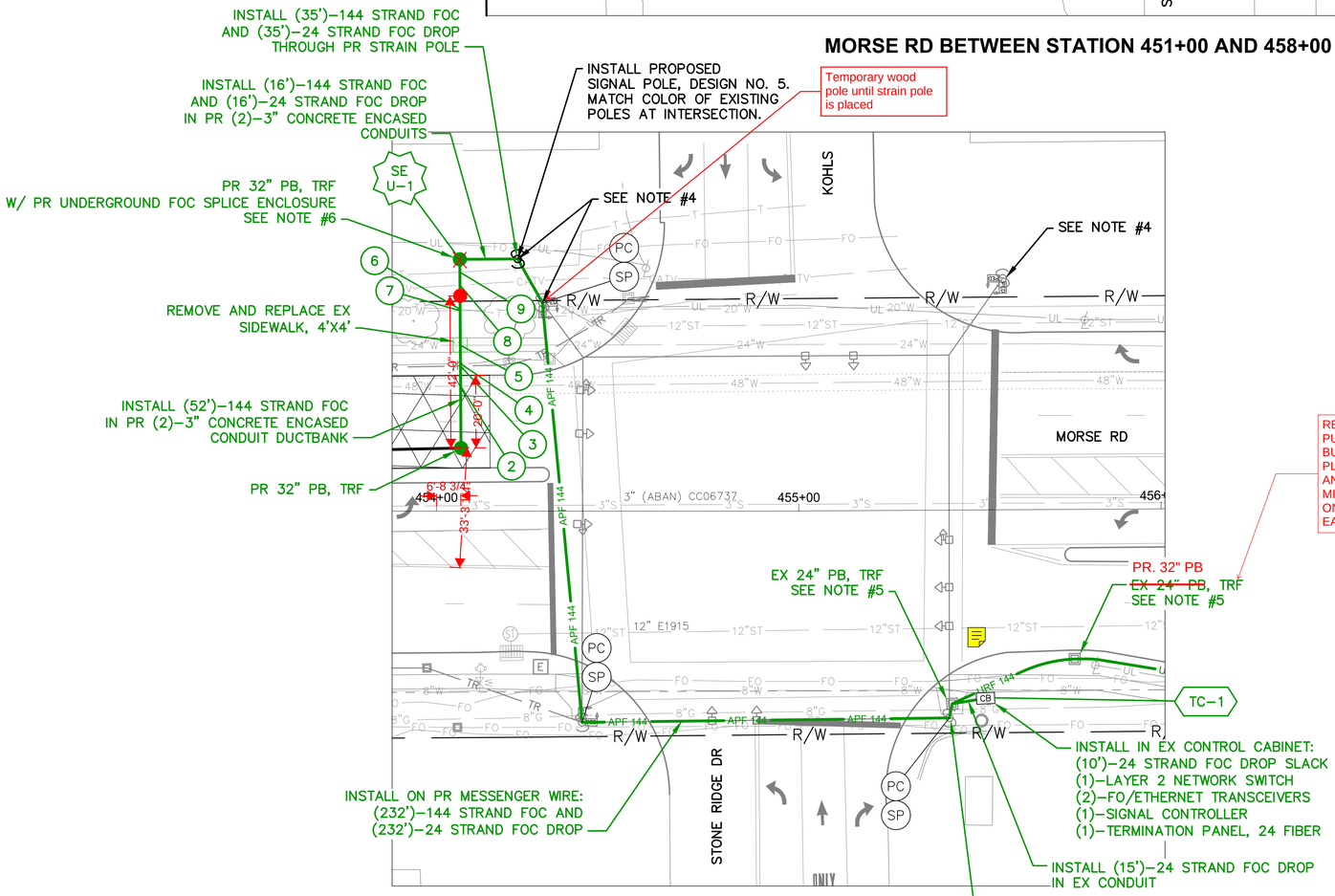
CITY OF COLUMBUS TRAFFIC SIGNAL SYSTEM
(CTSS) PHASE F – FINAL SUBMITTAL

169
768

\\colw001\PWWork\Jobs\70202 – CTSS Phase F\TECHPROD\Sheets\CTSS_PhF_Trunk2_MORSE_INTERCONNECT.dwg – MORSE-5 layout ~ last saved by: nseling 07/20/2023 09:18am ~ printed 07/20/2023 09:21am PSLTS: 1 LTS: 1 CAS: 1:1



MORSE RD BETWEEN STATION 451+00 AND 458+00



DETAIL - INT 3249

0 20 40
HORIZONTAL SCALE IN FEET

NOTES:

1. SEE SHEET 171 FOR QUANTITIES.
2. SEE SHEETS 463 & 556 FOR COMMUNICATION DETAILS.
3. NOTE REMOVED
4. SIGNAL MAINTENANCE AGREEMENT IN PLACE BETWEEN CITY OF COLUMBUS AND BEN W. HALE JR, TRUSTEE; C/O SMITH & HALE FOR MAINTENANCE OF TRAFFIC SIGNAL AT INT 3249.
5. TRIM EXISTING CONDUIT ENTRIES TO EXTEND NO MORE THAN 3" INTO PULL BOX. REPLACE WITH 32"
6. INSTALL (150')-144 STRAND FOC SLACK AND (125')-24 STRAND FOC DROP SLACK FOR MIDSPAN CABLE SPLICE. INSTALL ADDITIONAL (100')-144 STRAND FOC SLACK AND (200')-24 STRAND FOC DROP SLACK ON THE EAST SIDE OF SPLICE ENCLOSURE.

SHEET 556A can be found on page 770 of this document

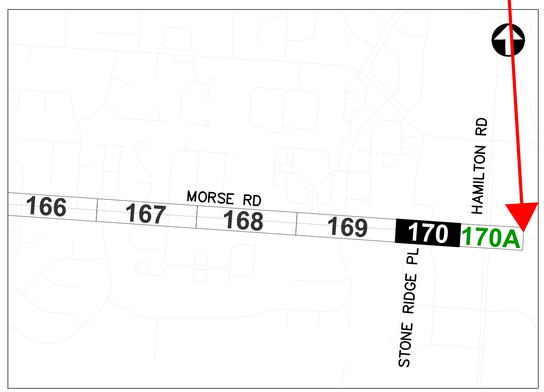
Sheet 170A can be found on page 769 of this document

CITY OF COLUMBUS UTILITY LEGEND

☒	SEWER
☒	WATER
☐	POWER
☒	LIGHTING

(#) EXISTING UTILITY CROSSING. SEE UTILITY CROSSING INFO SHEET 18.

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REFER TO SHEET 9 FOR INTERCONNECT SHEET INDEX

KEY PLAN
NOT TO SCALE

3 DRAFT REVISION 3.0

3676-E

HORIZONTAL SCALE IN FEET
0 40 80

CIP: 540007-100060
PID NUMBER: 110521

INTERCONNECT PLAN
MORSE RD BETWEEN STA. 451+00 AND 458+00, INT 3249

CITY OF COLUMBUS TRAFFIC SIGNAL SYSTEM
(CTSS) PHASE F - FINAL SUBMITTAL

170
768

\\colw00\PWWork\Jobs\70202 - CTSS Phase F\TECHPROD\Sheets\CTSS_PhF_Trunk2_MORSE_INTERCONNECT.dwg - MORSE-6 layout ~ last saved by: nseling 07/20/2023 09:18am ~ printed 07/20/2023 09:23am PSLTS: 1 LTS: 1 CAS: 1:1

ESTIMATED QUANTITIES

SHEET NO.	REFERENCE NO.	LOCATION	STATION		202	202	608	625	625	625	625	625	632	632	632	632	632	632	632	632	632	633	633
					EXISTING CONDUIT CLEANED, AS PER PLAN	WALK REMOVED	8" CONCRETE WALK	BRACKET ARM, 30', AS PER PLAN	CONDUIT, CONCRETE ENCASED, 2-3", 725.051, AS PER PLAN	PULL BOX, CONCRETE 32", AS PER PLAN	TRENCH, 36" DEEP, AS PER PLAN	TRENCH IN PAVED AREA, AS PER PLAN	CONDUIT RISER, 2", 725.04, AS PER PLAN	DOWN GUY	INTERCONNECT CABLE, MISC.: FIBER OPTIC CABLE, 144 STRAND	INTERCONNECT CABLE, MISC.: FIBER OPTIC FUSION SPLICE	INTERCONNECT, MISC.: CAT 5E CABLE, OUTDOOR RATED	MESSENGER WIRE, 7 STRAND, 1/4" DIAMETER WITH ACCESSORIES, AS PER PLAN	STRAIN POLE, DESIGN NO. 6	STRAIN POLE FOUNDATION, DESIGN NO. 6	SIGNALIZATION, MISC.: CCTV IP-CAMERA SYSTEM	WOOD POLE, CLASS 5, 35 FT	CONTROLLER ITEM, MISC.: FIBER OPTIC ETHERNET TRANSCEIVER, SHORT RANGE	CONTROLLER ITEM, MISC.: POE ENABLED LAYER 2 ETHERNET SWITCH
			FROM	TO	FT	SF	SF	EACH	FT	EACH	FT	FT	EACH	EACH	FT	EACH	FT	FT	EACH	EACH	EACH	EACH	EACH	EACH
MORSE RD. BETWEEN STA. 396+00 AND 407+00, INT 3164																								
165	SE U-1	MORSE RD	396+64, 48' LT												75	144								
165	IC-1	MORSE RD	396+64, 48' LT	397+32, 55' LT	76										76									
165	IC-4	MORSE RD	397+32, 55' LT	407+00, 52' RT											1,127			1,127						
165	IC-3	MORSE RD	397+32, 55' LT												35									
165	EC-3	MORSE RD	397+32, 55' LT														35							
165	EC-1	MORSE RD	397+32, 55' LT	398+23, 46' LT													139	139						
165	IC-2	MORSE RD	397+32, 55' LT	397+39, 55' LT	3										3									
165	EC-4	MORSE RD	397+32, 55' LT	397+39, 55' LT	7												7							
165	TC-1	MORSE RD	397+39, 55' LT														20						1	1
165	CTV-1	MORSE RD	398+23, 46' LT																		1			
165	EC-2	MORSE RD	398+38, 72' LT					1																
MORSE RD. BETWEEN STA. 407+00 AND 418+00																								
166	IC-1	MORSE RD	407+00, 52' LT	418+00, 49' LT											1,117			1,117						
166	IC-2	MORSE RD	408+61, 51' LT												150									
MORSE RD. BETWEEN STA. 418+00 AND 429+00																								
167	IC-1	MORSE RD	418+00, 49' LT	429+00, 50' LT											1,117			1,117						
167	IC-2	MORSE RD	421+01, 50' LT												150									
MORSE RD. BETWEEN STA. 429+00 AND 440+00																								
168	IC-1	MORSE RD	429+00, 50' LT	440+00, 56' RT										2	1,149			1,149						
168	IC-2	MORSE RD	433+32, 52' LT												150									
MORSE RD. BETWEEN STA. 440+00 AND 451+00																								
169	IC-1	MORSE RD	440+00, 56' RT	445+93, 42' LT										1	694			694						
169	IC-3	MORSE RD	445+85, 31' LT	445+93, 42' LT		16	16		20		20				20									
169	IC-5	MORSE RD	445+85, 31' LT	451+00, 11' LT					537	3		537			537									
169	IC-4	MORSE RD	445+85, 42' LT							1					100									
169	IC-2	MORSE RD	445+93, 42' LT										2	1	35							1		
MORSE RD. BETWEEN STA. 451+00 AND 458+00, INT 3249																								
170	IC-1	MORSE RD	451+00, 11' LT	454+17, 37' LT					333	2		333			333									
170	IC-2	MORSE RD	454+17, 37' LT	454+22, 70' LT		16	16		33		33				33									
170	IC-3	MORSE RD	454+22, 70' LT												35				1	1				
170	IC-4	MORSE RD	454+22, 70' LT	455+41, 57' RT											235			235						
170	IC-5	MORSE RD	455+41, 57' RT												35									
170	IC-6	MORSE RD	455+41, 57' RT	455+42, 53' RT	4										4									
170	IC-7	MORSE RD	455+42, 53' RT	455+50, 58' RT					9		9				9									
170	SE U-1	MORSE RD	455+50, 58' RT												75	144								
170	TC-1	MORSE RD	455+51, 52' RT																			1		
SHEET TOTAL					90	32	32	1	932	6	62	870	2	4	7,294	288	201	5,578	1	1	1	1	2	1

AERIAL SAG: 1.5% AERIAL SAG IS INCLUDED IN THE QUANTITIES FOR ANY AERIAL FIBER OR CABLE ITEMS.

3676-E

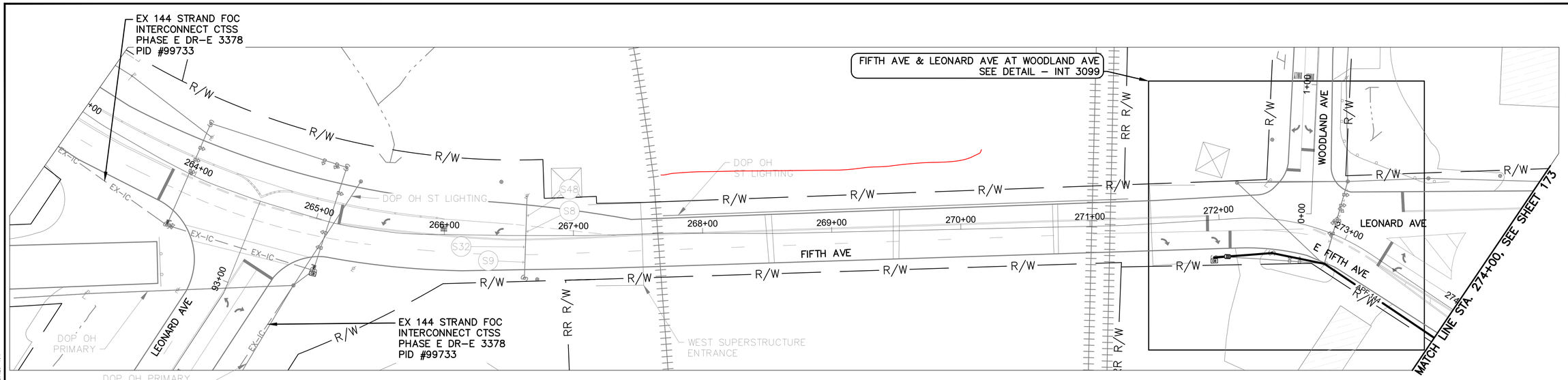
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PID NUMBER: 110521

MORSE RD BETWEEN STA. 396+00 & 458+00
INTS 3164 AND 3249

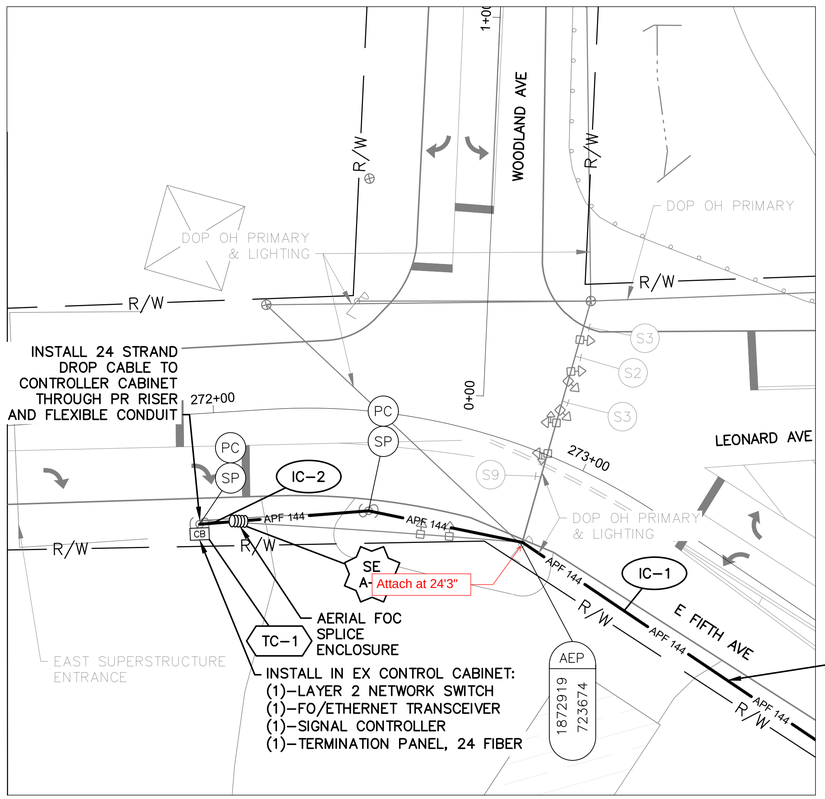
CITY OF COLUMBUS TRAFFIC SIGNAL SYSTEM
(CTSS) PHASE F – FINAL SUBMITTAL

171
768

J:\Jobs\70202 – CTSS Phase F\TECHPROD\Sheets\CTSS_PhF_Trunk2_MORSE_JC_QUANTITIES.dwg – MORSE RD Q1 layout ~ last saved by: robevans 02/22/2022 09:43pm ~ printed 06/02/2022 10:09am PSLTS: 1 LTS: 1 CAS: 1:1



FIFTH AVE BETWEEN STATION 263+00 AND 274+00



DETAIL - INT 3099

0 20 40
HORIZONTAL
SCALE IN FEET

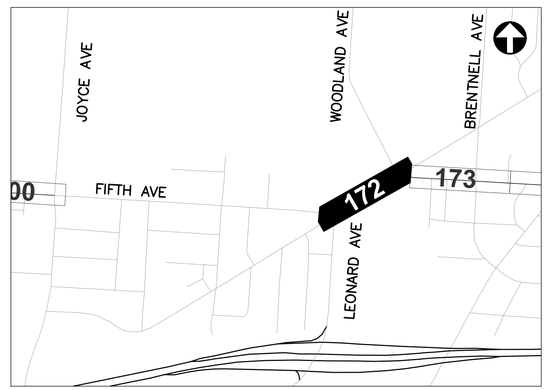
NOTES:

1. SEE SHEET 178 FOR QUANTITIES.
2. SEE SHEETS 470 & 581 FOR COMMUNICATION DETAILS.

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CITY OF COLUMBUS
UTILITY LEGEND

- ☐ SEWER
- ☐ WATER
- ☒ POWER
- ☒ LIGHTING



REFER TO SHEET 12 FOR
INTERCONNECT SHEET INDEX

KEY PLAN
NOT TO SCALE

0 40 80
HORIZONTAL
SCALE IN FEET

CIP: 540007-100060
PID NUMBER: 110521

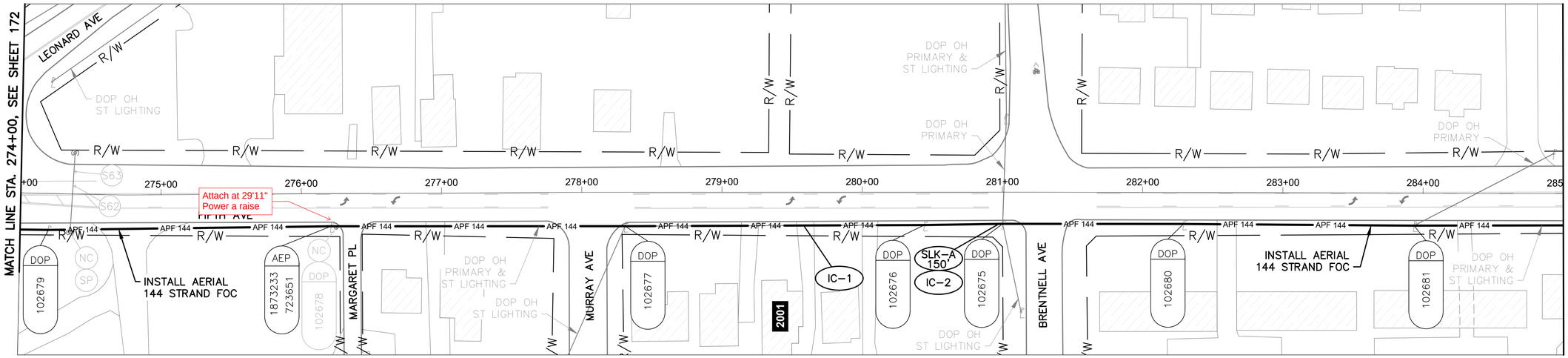
INTERCONNECT PLAN
FIFTH AVE BETWEEN STA. 263+00 AND 274+00, INT 3099

CITY OF COLUMBUS TRAFFIC SIGNAL SYSTEM
(CTSS) PHASE F - FINAL SUBMITTAL

172
768

3676-E

J:\Jobs\70202 - CTSS Phase F\TECHPROD\Sheets\CTSS_PhF_Trunk3_FIFTH_INTERCONNECT.dwg - FIFTH-1 layout - last saved by: gburch 05/26/2022 11:19am ~ printed 06/02/2022 07:55am PSLTS: 1 LTS: 1 CAS: 1:1



FIFTH AVE BETWEEN STATION 274+00 AND 285+00

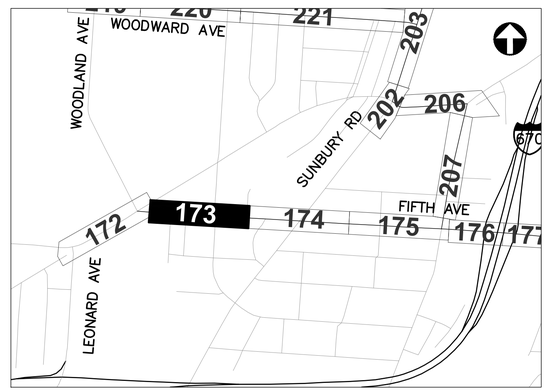
NOTES:

1. SEE SHEET 178 FOR QUANTITIES.
2. SEE SHEET 470 FOR COMMUNICATION DETAILS.

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CITY OF COLUMBUS UTILITY LEGEND

- ☐ SEWER
- ☐ WATER
- ☒ POWER
- ☒ LIGHTING



REFER TO SHEET 12 FOR INTERCONNECT SHEET INDEX

KEY PLAN
NOT TO SCALE

HORIZONTAL SCALE IN FEET
0 40 80

CIP: 540007-100060
PID NUMBER: 110521

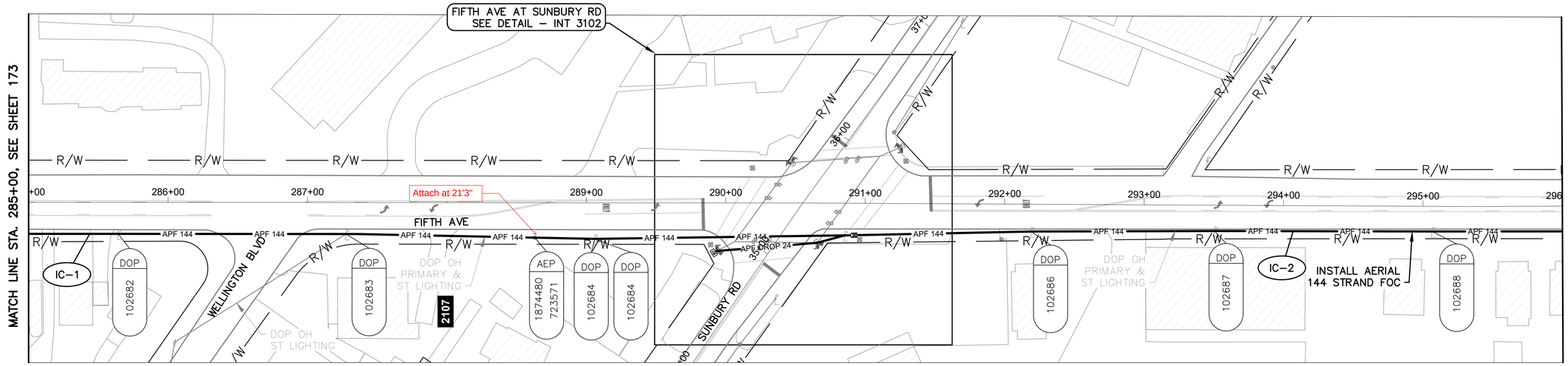
INTERCONNECT PLAN
FIFTH AVE BETWEEN STA. 274+00 AND 285+00

CITY OF COLUMBUS TRAFFIC SIGNAL SYSTEM
(CTSS) PHASE F – FINAL SUBMITTAL

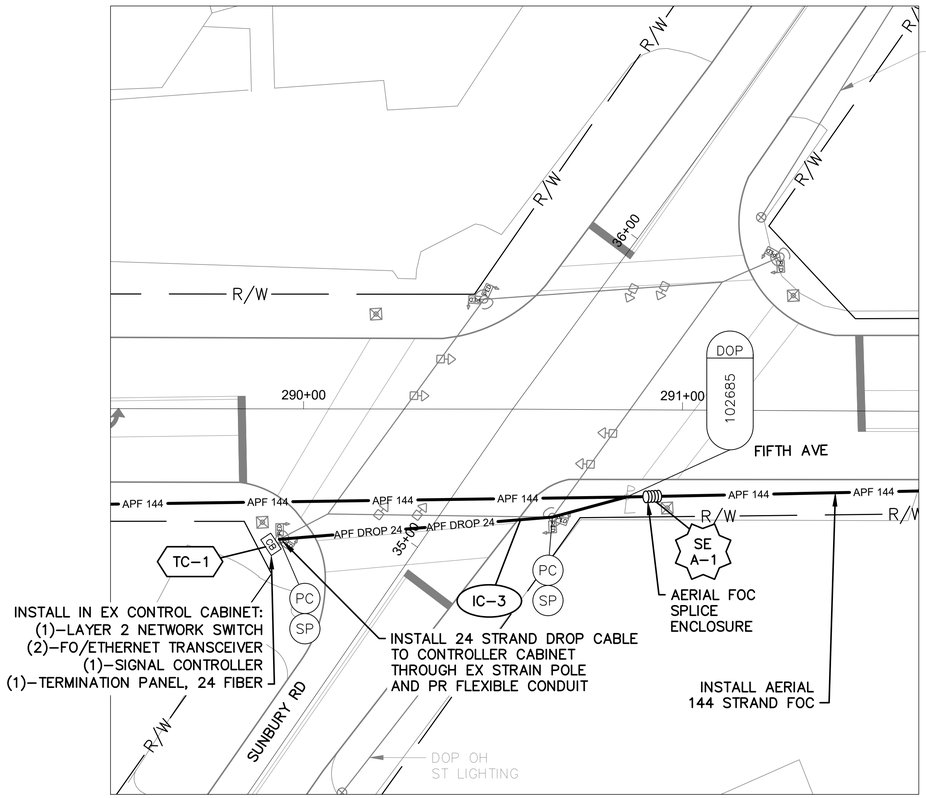
173
768

3676-E

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FIFTH AVE BETWEEN STATION 285+00 AND 296+00



DETAIL - INT 3102

0 20 40

HORIZONTAL SCALE IN FEET

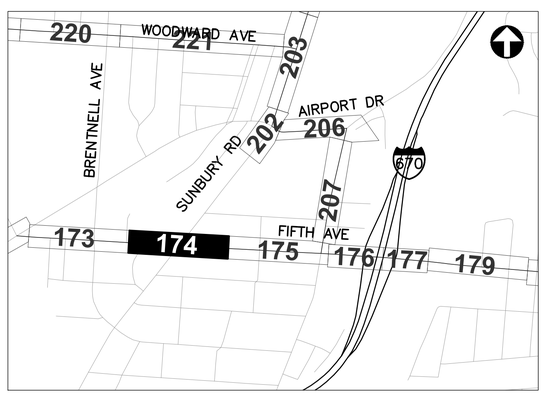
NOTES:

1. SEE SHEET 178 FOR QUANTITIES.
2. SEE SHEETS 470 & 582 FOR COMMUNICATION DETAILS.
3. EXISTING CONDUIT TO CONTROLLER CABINET IS FULL. INSTALL NEW FLEXIBLE CONDUIT TO CABINET FOR PROPOSED DROP CABLE.

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CITY OF COLUMBUS UTILITY LEGEND

- ☐ SEWER
- ☐ WATER
- ☒ POWER
- ☒ LIGHTING



REFER TO SHEET 12 FOR INTERCONNECT SHEET INDEX

KEY PLAN
NOT TO SCALE

0 40 80

HORIZONTAL SCALE IN FEET

CIP: 540007–100060
PID NUMBER: 110521

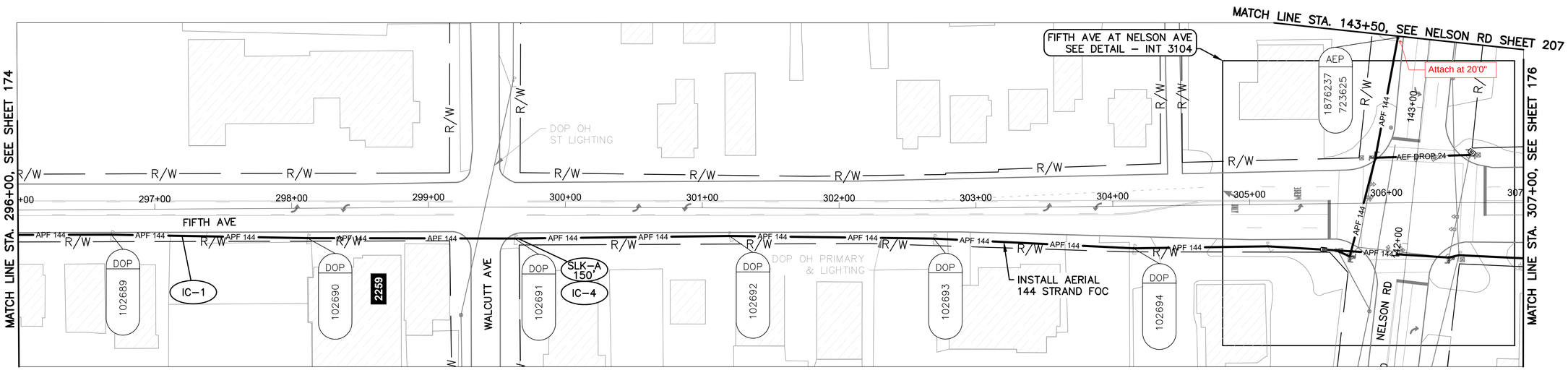
INTERCONNECT PLAN
FIFTH AVE BETWEEN STA. 285+00 AND 296+00, INT 3102

CITY OF COLUMBUS TRAFFIC SIGNAL SYSTEM
(CTSS) PHASE F – FINAL SUBMITTAL

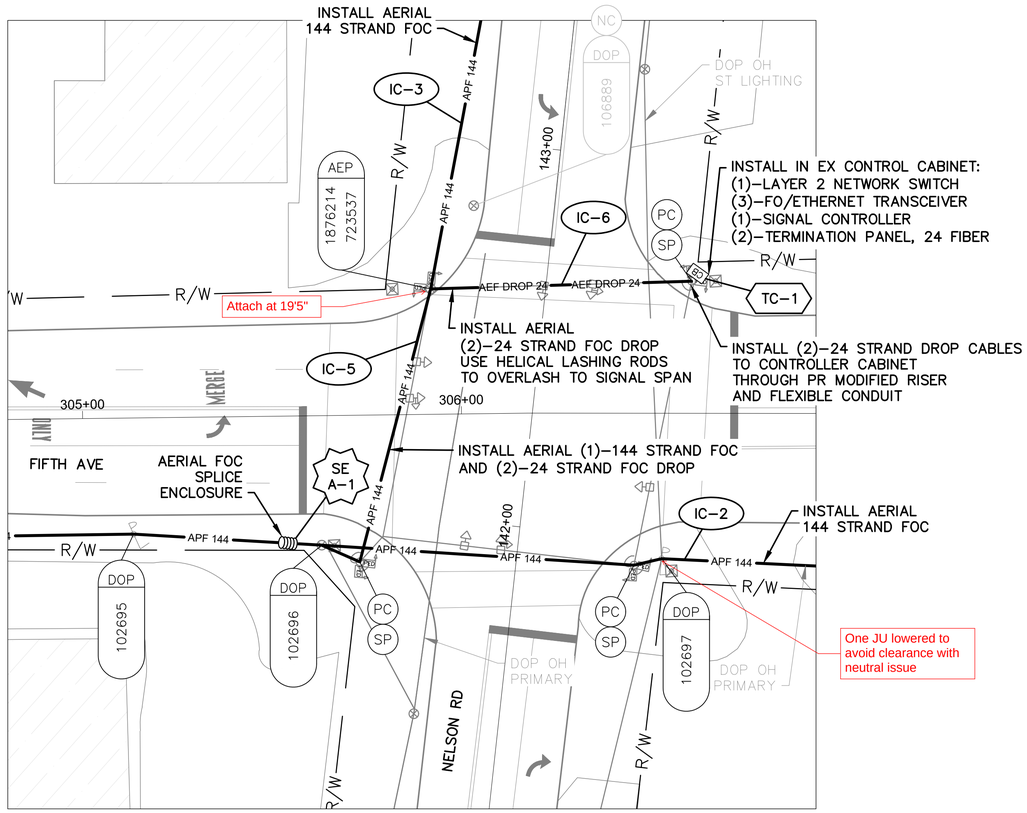
3676-E

174
768

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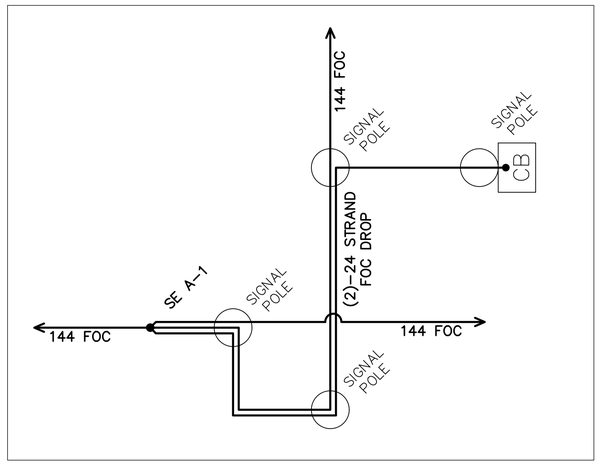


FIFTH AVE BETWEEN STATION 296+00 AND 307+00



DETAIL - INT 3104

0 20 40
HORIZONTAL SCALE IN FEET



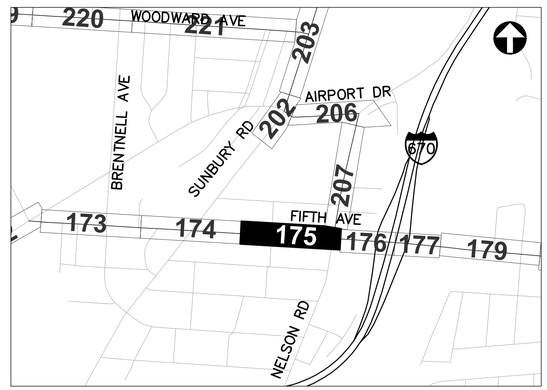
CABLE SCHEMATIC - INT 3104
NOT TO SCALE

NOTES:

1. SEE SHEET 178 FOR QUANTITIES.
2. SEE SHEETS 470 & 583 FOR COMMUNICATION DETAILS.

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CITY OF COLUMBUS UTILITY LEGEND
- ☐ SEWER
- ☐ WATER
- ☒ POWER
- ☒ LIGHTING



REFER TO SHEET 12 FOR INTERCONNECT SHEET INDEX

KEY PLAN
NOT TO SCALE

0 40 80
HORIZONTAL SCALE IN FEET

CIP: 540007–100060
PID NUMBER: 110521

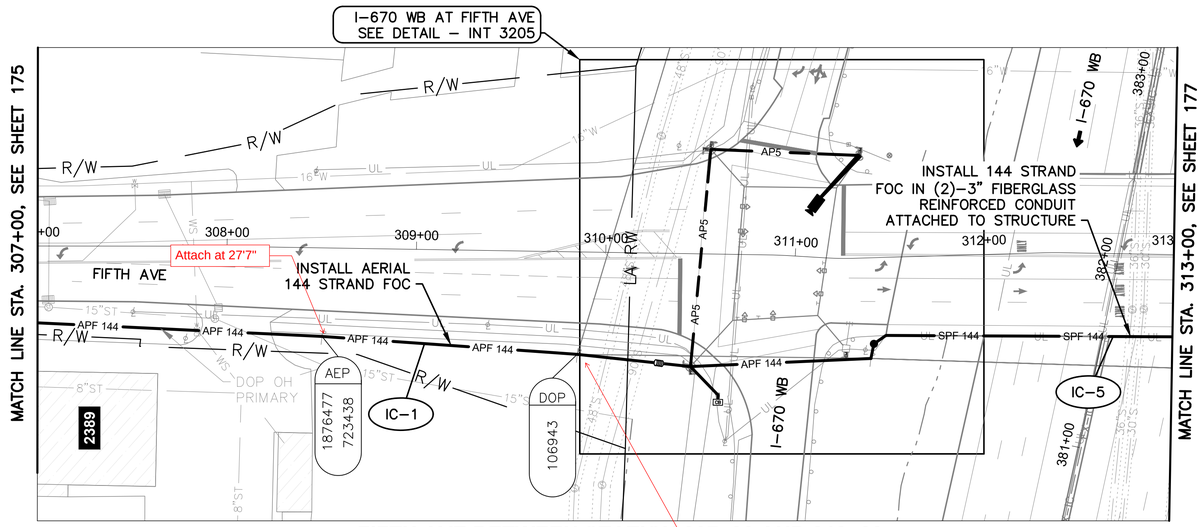
INTERCONNECT PLAN
FIFTH AVE BETWEEN STA. 296+00 AND 307+00, INT 3104

CITY OF COLUMBUS TRAFFIC SIGNAL SYSTEM
(CTSS) PHASE F – FINAL SUBMITTAL

175
768

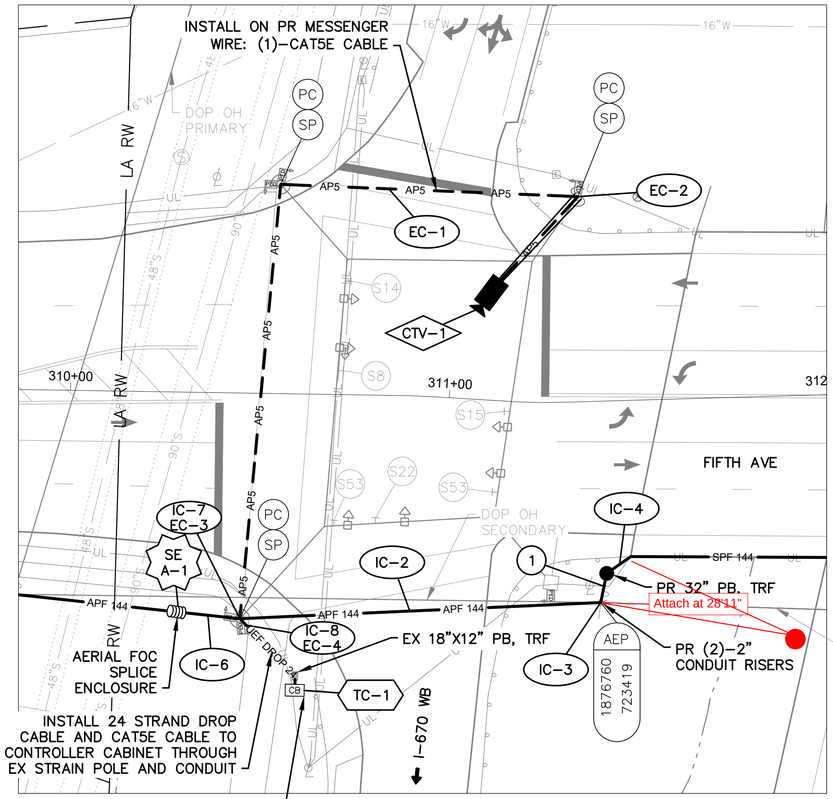
3676-E

J:\Jobs\70202 – CTSS Phase F\TECHPROD\Sheets\CTSS_PhF_Trunk3_FIFTH_INTERCONNECT.dwg – FIFTH–4 layout ~ last saved by: gburch 05/26/2022 11:19pm ~ printed 06/02/2022 07:58am PSLTS: 1 LTS: 1 CAS: 1:1



FIFTH AVE BETWEEN STATION 307+00 AND 313+00

Two attachments transferred



DETAIL - INT 3205

0 20 40
HORIZONTAL
SCALE IN FEET

NOTES:

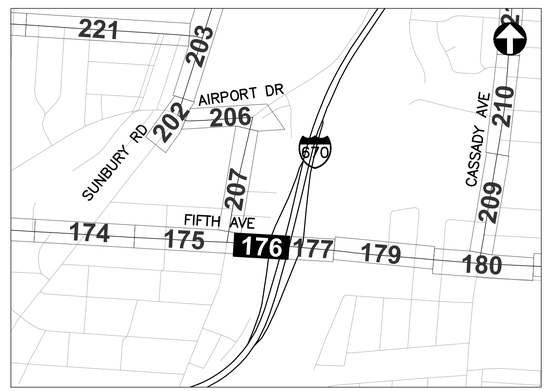
1. SEE SHEET 178 FOR QUANTITIES.
2. SEE SHEETS 471 & 591 FOR COMMUNICATION DETAILS.
3. SEE SHEET 45 FOR BRIDGE ATTACHMENT DETAILS.
4. SEE SHEET 49 FOR CCTV MOUNTING DETAILS.

(#) EXISTING UTILITY CROSSING.
SEE UTILITY CROSSING INFO
SHEET 18.

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CITY OF COLUMBUS
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- SEWER
- WATER
- POWER
- LIGHTING



REFER TO SHEET 12 FOR
INTERCONNECT SHEET INDEX

KEY PLAN
NOT TO SCALE

HORIZONTAL
SCALE IN FEET
0 40 80

CIP: 540007–100060
PID NUMBER: 110521

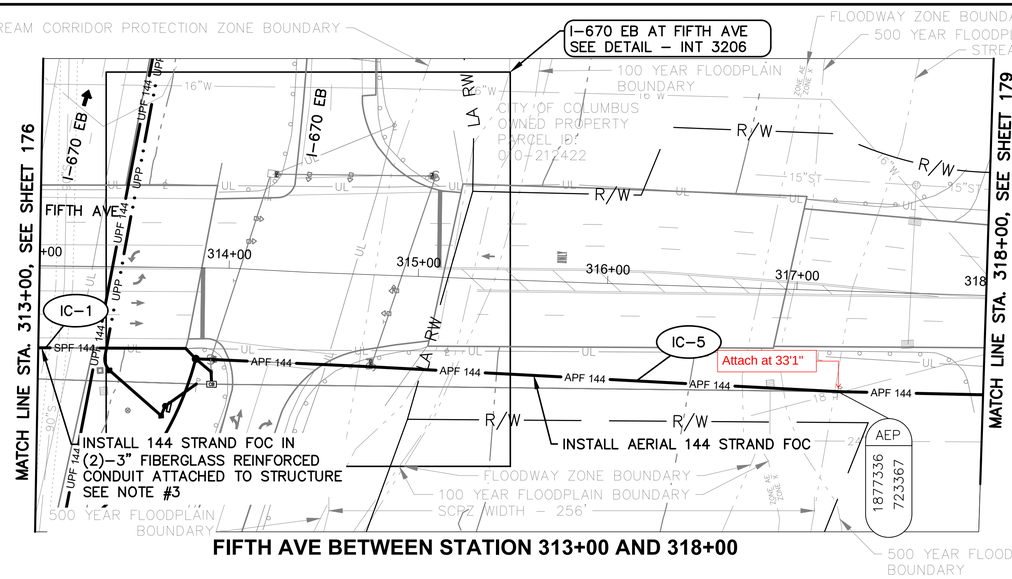
INTERCONNECT PLAN
FIFTH AVE BETWEEN STA. 307+00 AND 313+00, INT 3205

CITY OF COLUMBUS TRAFFIC SIGNAL SYSTEM
(CTSS) PHASE F – FINAL SUBMITTAL

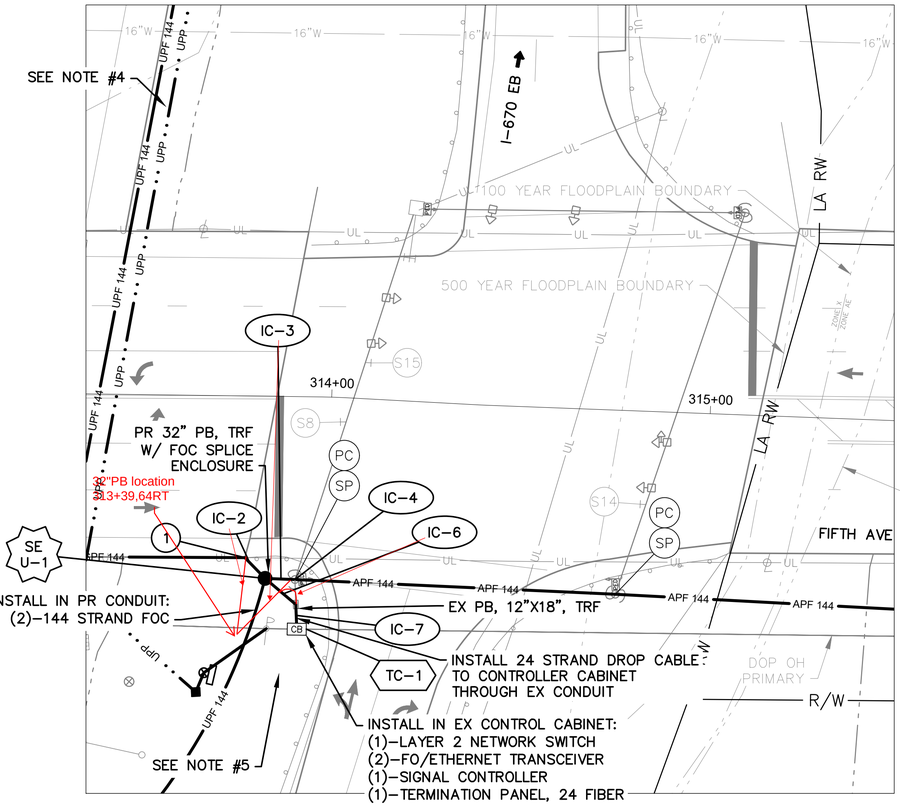
176
768

3676-E

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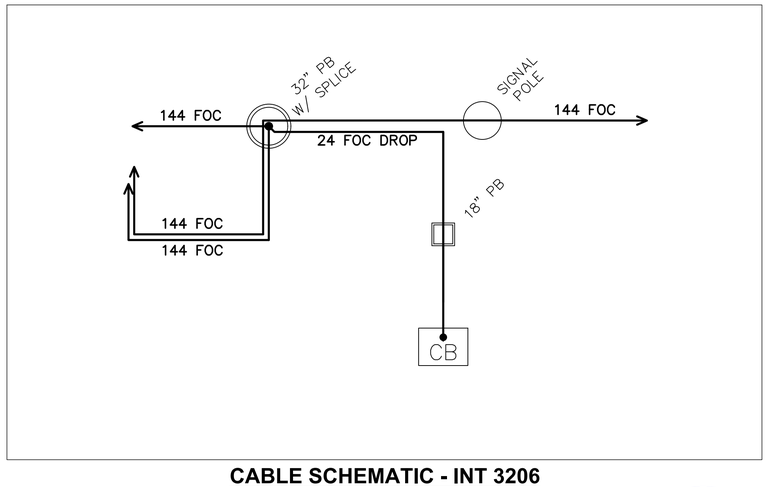


FIFTH AVE BETWEEN STATION 313+00 AND 318+00



DETAIL - INT 3206

0 20 40
100-0"
HORIZONTAL SCALE IN FEET



CABLE SCHEMATIC - INT 3206

NOT TO SCALE

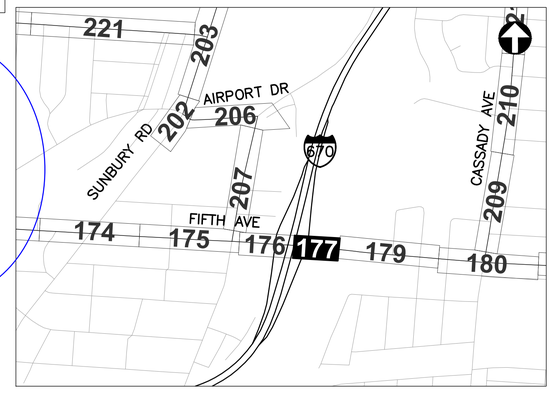
NOTES:

1. SEE SHEET 178 FOR QUANTITIES.
2. SEE SHEETS 471 & 592 FOR COMMUNICATION DETAILS.
3. SEE SHEET 45 FOR BRIDGE ATTACHMENT DETAILS.
4. SEE SHEET 406 FOR NODE #670007.5 INTERCONNECT PLAN.
5. SEE SHEET 260 FOR NODE #670007.5 POWER SERVICE DETAIL.

(#) EXISTING UTILITY CROSSING. SEE UTILITY CROSSING INFO SHEET 19.

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CITY OF COLUMBUS UTILITY LEGEND
- SEWER
- WATER
- POWER
- LIGHTING



REFER TO SHEET 12 FOR INTERCONNECT SHEET INDEX

KEY PLAN
NOT TO SCALE

HORIZONTAL SCALE IN FEET
0 40 80

CIP: 540007-100060
PID NUMBER: 110521

INTERCONNECT PLAN
FIFTH AVE BETWEEN STA. 313+00 AND 318+00, INT 3206

CITY OF COLUMBUS TRAFFIC SIGNAL SYSTEM
(CTSS) PHASE F – FINAL SUBMITTAL

3676-E

177
768

J:\Jobs\70202 - CTSS Phase F\TECHPROD\Sheets\CTSS_PhF_Trunk3_FIFTH_INTERCONNECT.dwg - FIFTH-5A layout - last saved by: gburch 05/26/2022 11:19pm - printed 06/02/2022 08:01am PSLTS: 1 LTS: 1 CAS: 1:1

ESTIMATED QUANTITIES

SHEET NO.	REFERENCE NO.	LOCATION	STATION		202	625	625	625	625	625	632	632	632	632	632	632	632	632	632	633	633	633	633
					EXISTING CONDUIT CLEANED, AS PER PLAN	BRACKET ARM, 30', AS PER PLAN	CONDUIT, CONCRETE ENCASED, 2-3", 725.051, AS PER PLAN	CONDUIT, MISC.: 4" CONDUIT, FIBER-GLASS REINFORCED, ATTACHED TO STRUCTURE	PULL BOX, CONCRETE 32", AS PER PLAN	TRENCH, 36" DEEP, AS PER PLAN	CONDUIT RISER, 2", 725.04, AS PER PLAN	INTERCONNECT CABLE, MISC.: FIBER OPTIC CABLE, 144 STRAND	INTERCONNECT CABLE, MISC.: FIBER OPTIC DROP CABLE, 24 STRAND	INTERCONNECT CABLE, MISC.: FIBER OPTIC FUSION SPLICE	INTERCONNECT CABLE, MISC.: OVERLASH TO EXISTING INTERCONNECT	INTERCONNECT CABLE, MISC.: TERMINATION PANEL, 24 FIBER	INTERCONNECT, MISC.: CAT 5E CABLE, OUTDOOR RATED	INTERCONNECT, MISC.: SPLICE ENCLOSURE, DOME, 288 SPLICE	INTERCONNECT, MISC.: SPLICE ENCLOSURE, DOME, 800 SPLICE	MESSENGER WIRE, 7 STRAND, 1/4" DIAMETER WITH ACCESSORIES, AS PER PLAN	SIGNALIZATION, MISC.: CCTV IP-CAMERA SYSTEM	CONTROLLER ITEM, MISC.: FIBER OPTIC ETHERNET TRANSCEIVER, SHORT RANGE	CONTROLLER ITEM, MISC.: LAYER 2 ETHERNET SWITCH	CONTROLLER ITEM, MISC.: POE ENABLED LAYER 2 ETHERNET SWITCH	CONTROLLER UNIT, TYPE TS2/A2, AS PER PLAN
			FROM	TO	FT	EACH	FT	FT	EACH	FT	EACH	FT	FT	EACH	FT	EACH	FT	EACH	EACH	FT	EACH	EACH	EACH	EACH	EACH
FIFTH AVE. BETWEEN STA. 263+00 AND 274+00, INT 3099																									
172	TC-1	FIFTH AVE	271+94, 29' RT								1		55			1						1	1		1
172	IC-2	FIFTH AVE	271+94, 29' RT	272+05, 30' RT									11							11					
172	SE A-1	FIFTH AVE	272+05, 30' RT									150	125	12				1							
172	IC-1	FIFTH AVE	272+05, 30' RT	274+00, 26' RT								180								180					
FIFTH AVE. BETWEEN STA. 274+00 AND 285+00																									
173	IC-1	FIFTH AVE	274+00, 26' RT	285+00, 23' RT								1,118								1,118					
173	IC-2	FIFTH AVE	280+98, 23' RT									150													
FIFTH AVE. BETWEEN STA. 285+00 AND 296+00, INT 3102																									
174	IC-1	FIFTH AVE	285+00, 23' RT	290+92, 23' RT								601								601					
174	TC-1	FIFTH AVE	289+94, 34' RT										55			1						2	1		1
174	IC-3	FIFTH AVE	289+94, 34' RT	290+92, 23' RT									100							100					
174	SE A-1	FIFTH AVE	290+92, 23' RT									75	125	24				1							
174	IC-2	FIFTH AVE	290+92, 23' RT	296+00, 18' RT								516								516					
FIFTH AVE. BETWEEN STA. 296+00 AND 307+00, INT 3104																									
175	IC-1	FIFTH AVE	296+00, 18' RT	305+54, 34' RT								969								969					
175	IC-4	FIFTH AVE	299+65, 23' RT									150													
175	SE A-1	FIFTH AVE	305+54, 34' RT									225	250	168					1						
175	IC-2	FIFTH AVE	305+54, 34' RT	307+00, 41' RT								148								148					
175	IC-3	FIFTH AVE	305+54, 34' RT	306+10, 122' LT								188								188					
175	IC-5	FIFTH AVE	305+54, 34' RT	305+92, 33' LT									86							86					
175	IC-6	FIFTH AVE	305+92, 33' LT	306+61, 35' LT									70		70										
175	TC-1	FIFTH AVE	306+61, 35' LT										110			2						3	1		1
FIFTH AVE. BETWEEN STA. 307+00 AND 313+00, INT 3205																									
176	IC-1	FIFTH AVE	307+00, 41' RT	310+29, 58' RT								334								334					
176	SE A-1	FIFTH AVE	310+29, 58' RT									150	125	24				1							
176	IC-2	FIFTH AVE	310+29, 58' RT	311+38, 53' RT								114								114					
176	IC-6	FIFTH AVE	310+29, 58' RT	310+46, 60' RT									17							17					
176	IC-7	FIFTH AVE	310+46, 60' RT										35												
176	IC-8	FIFTH AVE	310+46, 60' RT	310+60, 78' RT	25								25												
176	EC-1	FIFTH AVE	310+46, 60' RT	311+12,32' LT													227			227					
176	EC-3	FIFTH AVE	310+46, 60' RT														35								
176	EC-4	FIFTH AVE	310+46, 60' RT	310+60, 78' RT													25								
176	TC-1	FIFTH AVE	310+60, 78' RT										20			1	20					2		1	1
176	CTV-1	FIFTH AVE	311+12,32' LT																		1				
176	EC-2	FIFTH AVE	311+36, 54' LT			1											30								
176	IC-3	FIFTH AVE	311+38, 53' RT								2	35													
176	IC-4	FIFTH AVE	311+38, 53' RT	311+47, 41' RT			16		1	16		16													
176	IC-5	FIFTH AVE	311+47, 41' RT	313+00, 43' RT				302				151													
FIFTH AVE. BETWEEN STA. 313+00 AND 318+00, INT 3206																									
177	IC-1	FIFTH AVE	313+00, 43' RT	313+77, 43' RT				154				77													
177	IC-2	FIFTH AVE	313+77, 43' RT	313+83, 48' RT			8			8		8													
177	SE U-1	FIFTH AVE	313+83, 48' RT						1			150	125	24				1							
177	IC-6	FIFTH AVE	313+83, 48' RT	313+91, 55' RT			11			11			11												
177	IC-3	FIFTH AVE	313+83, 48' RT	313+91, 48' RT			8			8		8													
177	IC-7	FIFTH AVE	313+91, 55' RT	313+92, 61' RT	7								7												
177	IC-4	FIFTH AVE	313+91, 48' RT									35													
177	IC-5	FIFTH AVE	313+91, 48' RT	318+00, 52' RT								414								414					
177	TC-1	FIFTH AVE	313+92, 61' RT										20			1						2	1		1
SHEET TOTAL					32	1	43	456	2	43	3	5,962	1,372	252	70	6	337	4	1	5,023	1	10	4	1	5

AERIAL SAG: 1.5% AERIAL SAG IS INCLUDED IN THE QUANTITIES FOR ANY AERIAL FIBER OR CABLE ITEMS.

3676-E

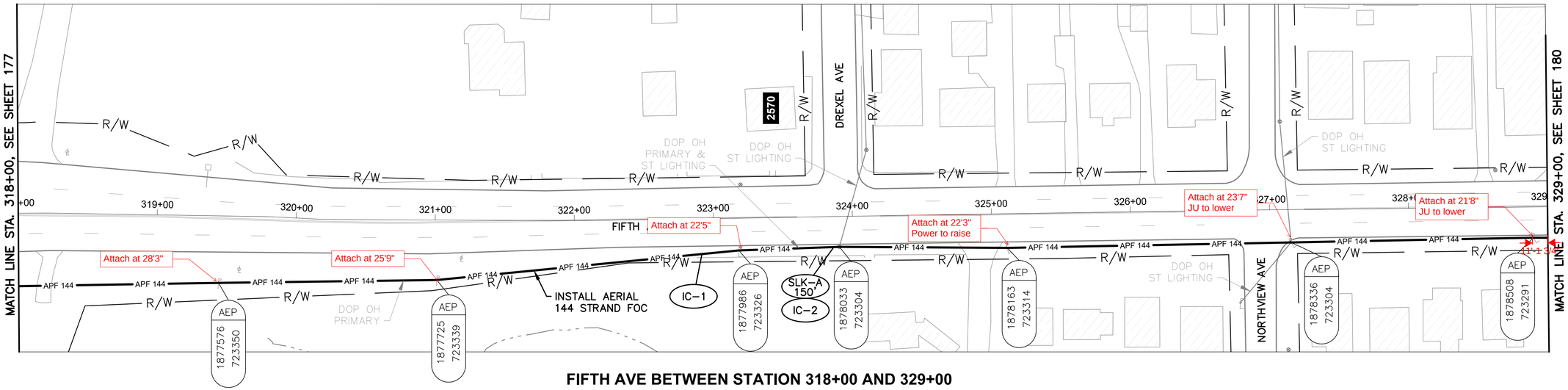
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PID NUMBER: 110521

FIFTH AVE BETWEEN STA. 263+00 & 318+00
INTS 3099, 3102, 3104, 3205 AND 3206

CITY OF COLUMBUS TRAFFIC SIGNAL SYSTEM
(CTSS) PHASE F – FINAL SUBMITTAL

178
768

J:\Jobs\70202 – CTSS Phase F\TECHPROD\Sheets\CTSS_PhF_Trunk3_FIFTH_IC_QUANTITIES.dwg – FIFTH 01 layout ~ last saved by: gburch 02/22/2022 09-45pm ~ printed 06/02/2022 10:10am PSLTS: 1 LTS: 1 CAS: 1:1



FIFTH AVE BETWEEN STATION 318+00 AND 329+00

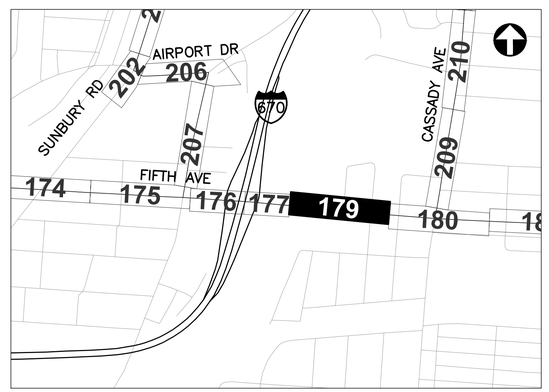
NOTES:

1. SEE SHEET 185 FOR QUANTITIES.
2. SEE SHEET 471 FOR COMMUNICATION DETAILS.

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CITY OF COLUMBUS UTILITY LEGEND

- ☐ SEWER
- ☐ WATER
- ☒ POWER
- ☒ LIGHTING



REFER TO SHEET 12 FOR INTERCONNECT SHEET INDEX

KEY PLAN
NOT TO SCALE

3676-E

HORIZONTAL SCALE IN FEET
0 40 80

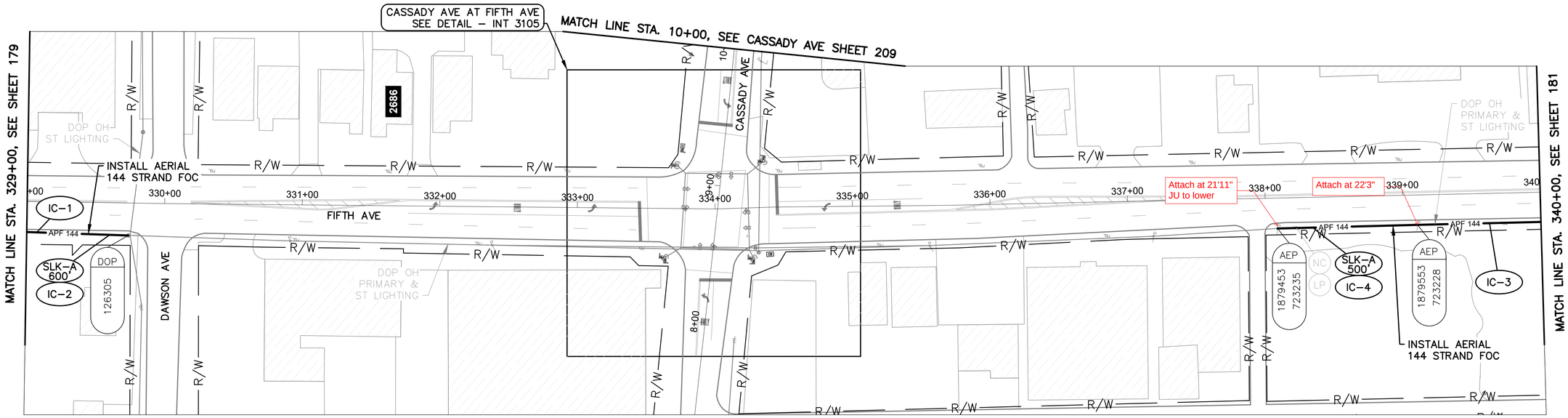
CIP: 540007-100060
PID NUMBER: 110521

INTERCONNECT PLAN
FIFTH AVE BETWEEN STA. 318+00 AND 329+00

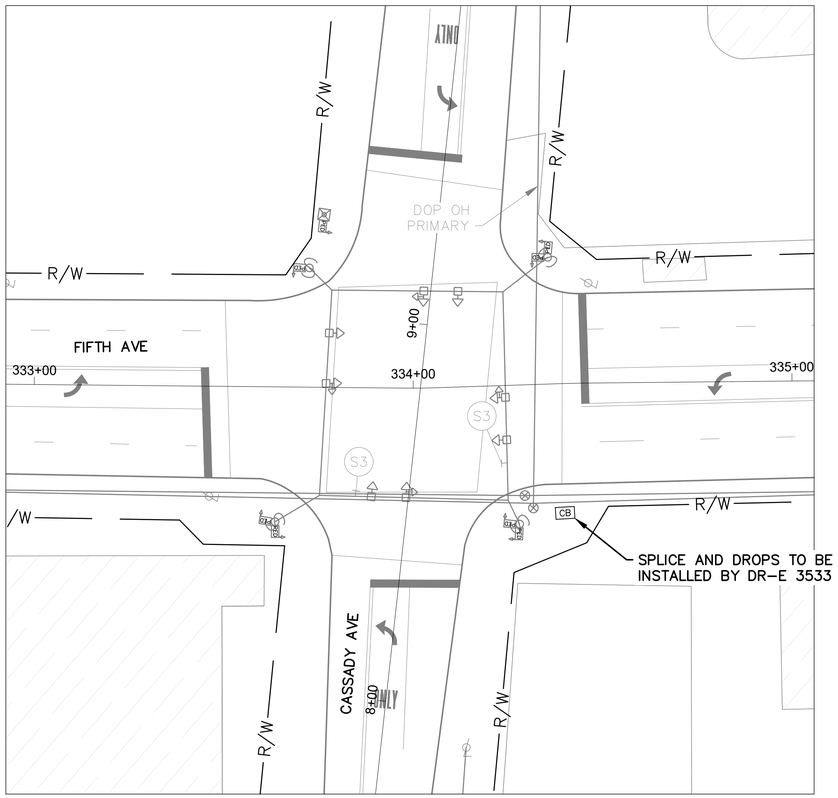
CITY OF COLUMBUS TRAFFIC SIGNAL SYSTEM
(CTSS) PHASE F – FINAL SUBMITTAL

179
768

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FIFTH AVE BETWEEN STATION 329+00 AND 340+00



DETAIL - INT 3105

0 20 40
HORIZONTAL SCALE IN FEET

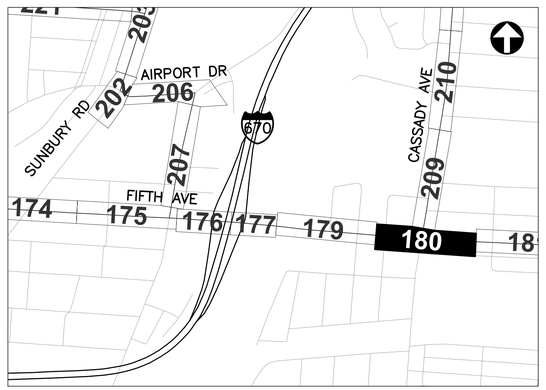
NOTES:

1. SEE SHEET 185 FOR QUANTITIES.
2. SEE SHEETS 471 & 593 FOR COMMUNICATION DETAILS.
3. COORDINATE WITH CITY OF COLUMBUS PROJECT DR-E 3533, CASSADY AVENUE, PID 107532.

OHIO Utilities Protection SERVICE
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www.oups.org

CITY OF COLUMBUS UTILITY LEGEND

- ☐ SEWER
- ☐ WATER
- ☒ POWER
- ☒ LIGHTING



REFER TO SHEET 12 FOR INTERCONNECT SHEET INDEX

KEY PLAN
NOT TO SCALE

0 40 80
HORIZONTAL SCALE IN FEET

CIP: 540007-100060
PID NUMBER: 110521

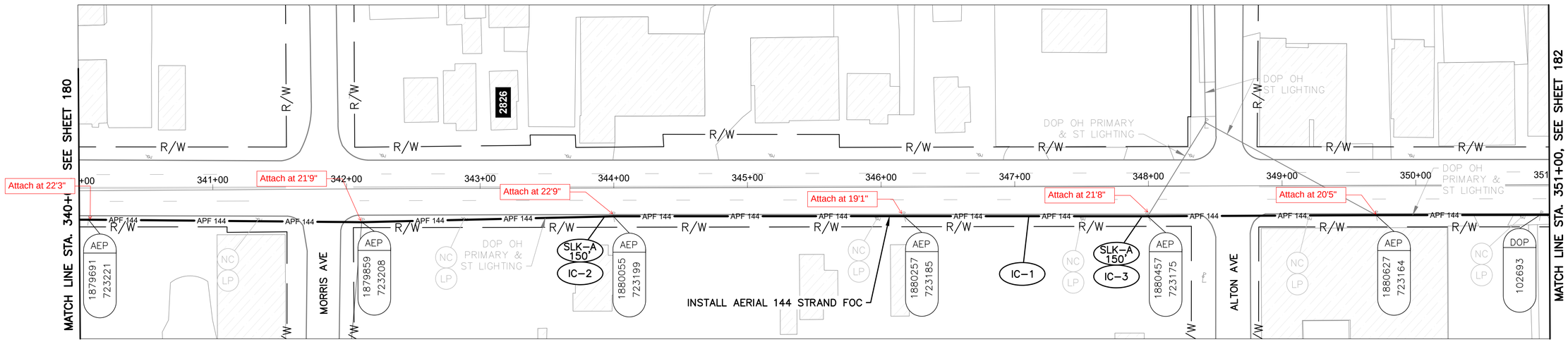
INTERCONNECT PLAN
FIFTH AVE BETWEEN STA. 329+00 AND 340+00, INT 3105

CITY OF COLUMBUS TRAFFIC SIGNAL SYSTEM
(CTSS) PHASE F – FINAL SUBMITTAL

180
768

3676-E

J:\Jobs\70202 – CTSS Phase F\TECHPROD\Sheets\CTSS_PhF_Trunk3_FIFTH_INTERCONNECT.dwg – FIFTH-7 layout ~ last saved by: gburch 05/26/2022 11:19pm ~ printed 06/02/2022 08:04am PSLTS: 1 LTS: 1 CAS: 1:1



FIFTH AVE BETWEEN STATION 340+00 AND 351+00

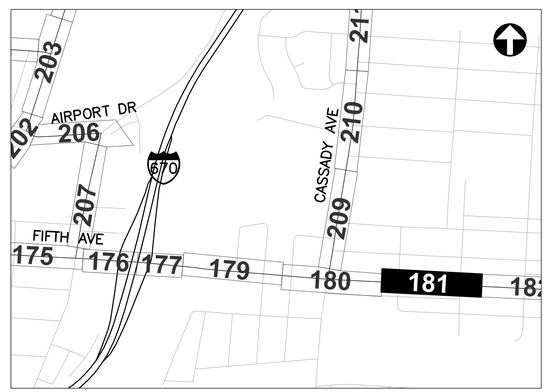
NOTES:

1. SEE SHEET 185 FOR QUANTITIES.
2. SEE SHEET 471 FOR COMMUNICATION DETAILS.

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www.oups.org

CITY OF COLUMBUS UTILITY LEGEND

- ☐ SEWER
- ☐ WATER
- ☒ POWER
- ☒ LIGHTING



REFER TO SHEET 12 FOR INTERCONNECT SHEET INDEX

KEY PLAN
NOT TO SCALE

HORIZONTAL SCALE IN FEET
0 40 80

CIP: 540007-100060
PID NUMBER: 110521

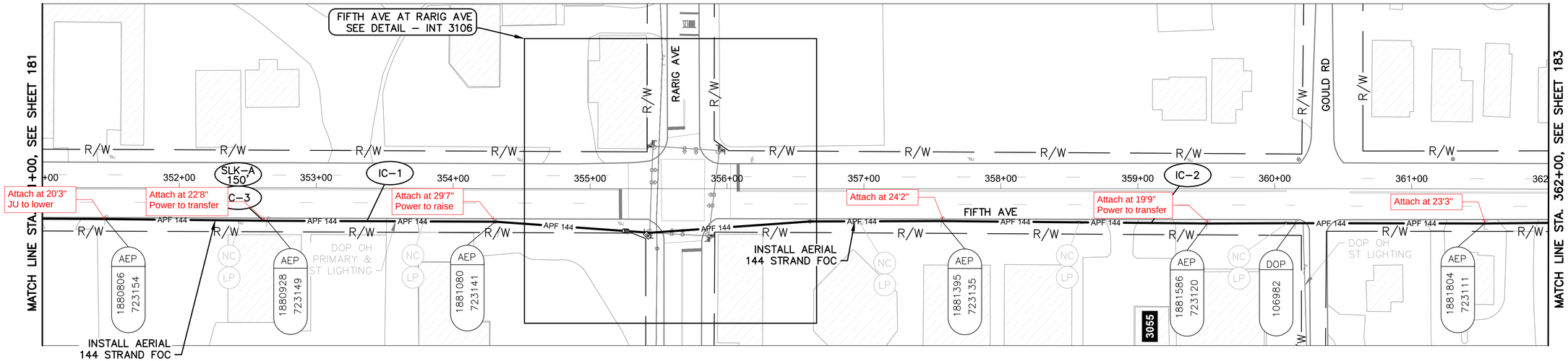
INTERCONNECT PLAN
FIFTH AVE BETWEEN STA. 340+00 AND 351+00

CITY OF COLUMBUS TRAFFIC SIGNAL SYSTEM
(CTSS) PHASE F – FINAL SUBMITTAL

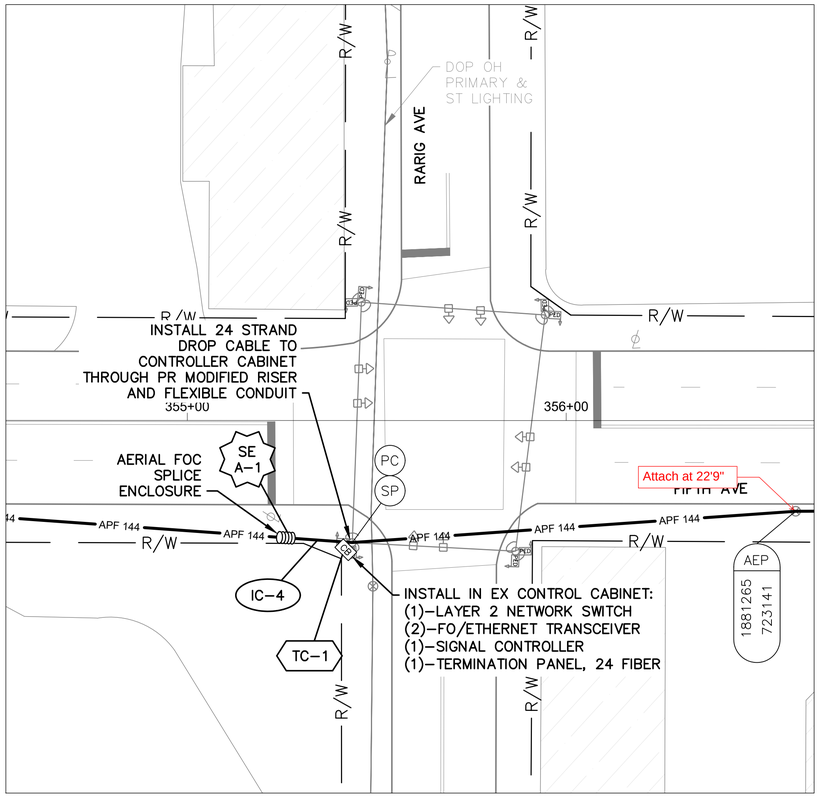
181
768

3676-E

J:\Jobs\70202 – CTSS Phase F\TECHPROD\Sheets\CTSS_PhF_Trunk3_FIFTH_INTERCONNECT.dwg – FIFTH–8 layout ~ last saved by: gburch 05/26/2022 11:19pm ~ printed 06/02/2022 08:05am PSLTS: 1 LTS: 1 CAS: 1:1



FIFTH AVE BETWEEN STATION 351+00 AND 362+00



DETAIL - INT 3106

0 20 40
HORIZONTAL
SCALE IN FEET

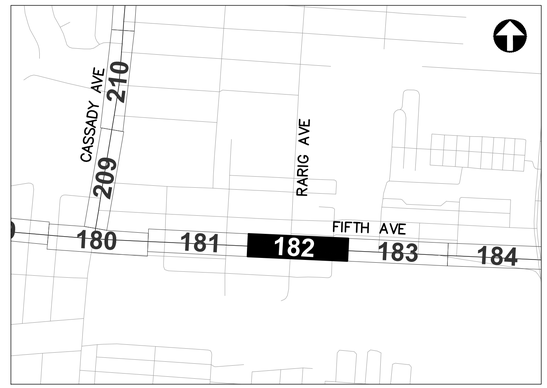
NOTES:

1. SEE SHEET 185 FOR QUANTITIES.
2. SEE SHEETS 471 & 594 FOR COMMUNICATION DETAILS.

Ohio Utilities Protection Service
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800-362-2764 or 8-1-1
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CITY OF COLUMBUS
UTILITY LEGEND

- ☐ SEWER
- ☐ WATER
- ☒ POWER
- ☒ LIGHTING



REFER TO SHEET 12 FOR
INTERCONNECT SHEET INDEX

KEY PLAN
NOT TO SCALE

0 40 80
HORIZONTAL
SCALE IN FEET

CIP: 540007–100060
PID NUMBER: 110521

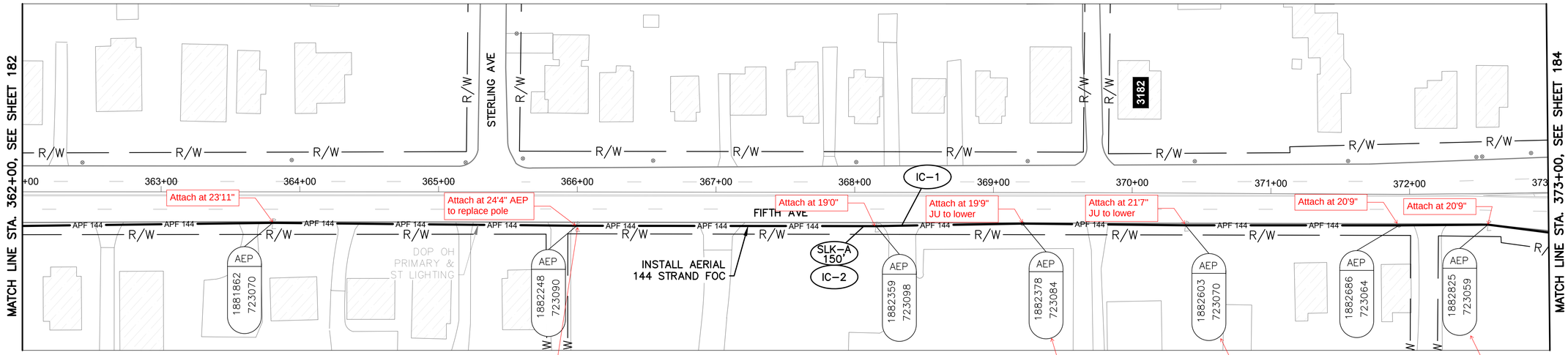
INTERCONNECT PLAN
FIFTH AVE BETWEEN STA. 351+00 AND 362+00, INT 3106

CITY OF COLUMBUS TRAFFIC SIGNAL SYSTEM
(CTSS) PHASE F – FINAL SUBMITTAL

182
768

3676-E

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FIFTH AVE BETWEEN STATION 362+00 AND 373+00

NOTES:

1. SEE SHEET 185 FOR QUANTITIES.
2. SEE SHEET 471 FOR COMMUNICATION DETAILS.

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CITY OF COLUMBUS UTILITY LEGEND

- ☐ SEWER
- ☐ WATER
- ☒ POWER
- ☒ LIGHTING



REFER TO SHEET 12 FOR INTERCONNECT SHEET INDEX

KEY PLAN
NOT TO SCALE

3676-E

HORIZONTAL SCALE IN FEET
0 40 80

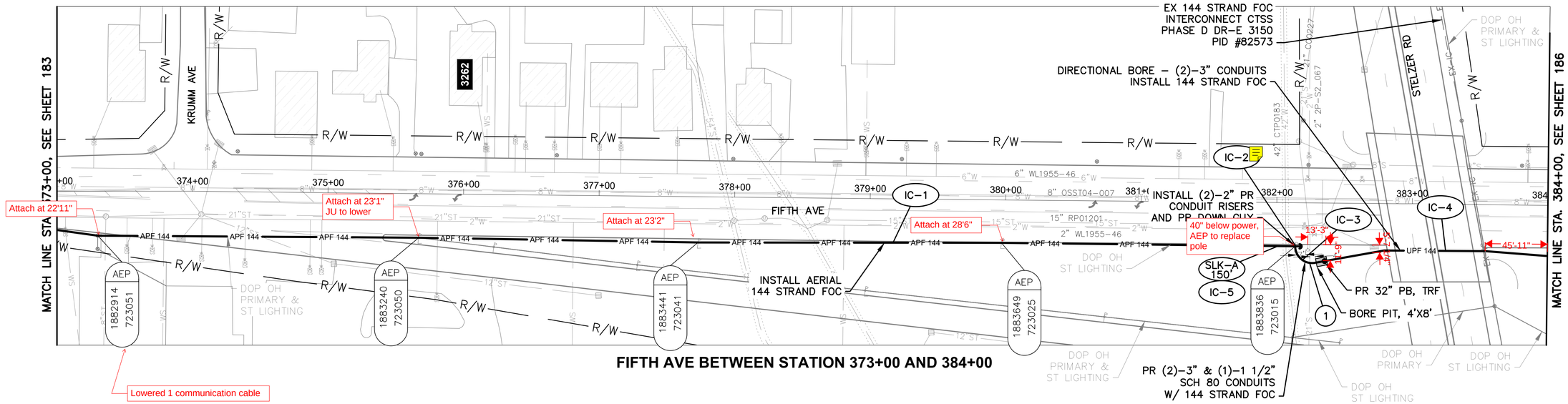
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PID NUMBER: 110521

INTERCONNECT PLAN
FIFTH AVE BETWEEN STA. 362+00 AND 373+00

CITY OF COLUMBUS TRAFFIC SIGNAL SYSTEM
(CTSS) PHASE F – FINAL SUBMITTAL

183
768

J:\Jobs\70202 – CTSS Phase F\TECHPROD\Sheets\CTSS_PhF_Trunk3_FIFTH_INTERCONNECT.dwg – FIFTH–10 layout ~ last saved by: gburch 05/26/2022 11:19pm ~ printed 06/02/2022 08:07am PSLTS: 1 LTS: 1 CAS: 1:1



FIFTH AVE BETWEEN STATION 373+00 AND 384+00

NOTES:

1. SEE SHEET 185 FOR QUANTITIES.
2. SEE SHEET 471 FOR COMMUNICATION DETAILS.

(#) EXISTING UTILITY CROSSING. SEE UTILITY CROSSING INFO SHEET 19.

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www.oups.org

CITY OF COLUMBUS UTILITY LEGEND

- SEWER
- WATER
- POWER
- LIGHTING



REFER TO SHEET 12 FOR INTERCONNECT SHEET INDEX

KEY PLAN
NOT TO SCALE

3676-E

HORIZONTAL SCALE IN FEET
0 40 80

CIP: 540007-100060
PID NUMBER: 110521

INTERCONNECT PLAN
FIFTH AVE BETWEEN STA. 373+00 AND 384+00

CITY OF COLUMBUS TRAFFIC SIGNAL SYSTEM
(CTSS) PHASE F – FINAL SUBMITTAL

184
768

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ESTIMATED QUANTITIES

SHEET NO.	REFERENCE NO.	LOCATION	STATION		625 CONDUIT, CONCRETE ENCASED, 2-3", 725.051, AS PER PLAN	625 CONDUIT, JACKED OR DRILLED, 3", AS PER PLAN	625 PULL BOX, CONCRETE 32", AS PER PLAN	625 TRENCH, 36" DEEP, AS PER PLAN	632 CONDUIT RISER, 2", 725.04, AS PER PLAN	632 DOWN GUY	632 INTERCONNECT CABLE, MISC.: FIBER OPTIC CABLE, 144 STRAND	632 INTERCONNECT CABLE, MISC.: FIBER OPTIC DROP CABLE, 24 STRAND	632 INTERCONNECT CABLE, MISC.: FIBER OPTIC FUSION SPLICE	632 INTERCONNECT CABLE, MISC.: TERMINATION PANEL, 24 FIBER	632 INTERCONNECT, MISC.: SPLICE ENCLOSURE, DOME, 288 SPLICE	632 MESSENGER WIRE, 7 STRAND, 1/4" DIAMETER WITH ACCESSORIES, AS PER PLAN	633 CONTROLLER ITEM, MISC.: FIBER OPTIC ETHERNET TRANSCEIVER, SHORT RANGE	633 CONTROLLER ITEM, MISC.: LAYER 2 ETHERNET SWITCH	633 CONTROLLER UNIT, TYPE TS2/A2, AS PER PLAN					
			FROM	TO	FT	FT	EACH	FT	EACH	EACH	FT	FT	EACH	EACH	EACH	FT	EACH	EACH	EACH					
FIFTH AVE. BETWEEN STA. 318+00 AND 329+00																								
179	IC-1	FIFTH AVE	318+00, 52' RT	329+00, 22' RT							1,118					1,118								
179	IC-2	FIFTH AVE	323+86, 22' RT								150													
FIFTH AVE. BETWEEN STA. 329+00 AND 340+00, INT 3105																								
180	IC-1	FIFTH AVE	329+00, 22' RT	329+74, 23' RT							75					75								
180	IC-2	FIFTH AVE	329+61, 23' RT								600													
180	IC-3	FIFTH AVE	338+09, 22' RT	340+00, 22' RT							578					578								
180	IC-4	FIFTH AVE	338+34, 22' RT								500													
FIFTH AVE. BETWEEN STA. 340+00 AND 351+00																								
181	IC-1	FIFTH AVE	340+00, 22' RT	351+00, 23' RT							1,117					1,117								
181	IC-2	FIFTH AVE	343+93, 21' RT								150													
181	IC-3	FIFTH AVE	347+95, 22' RT								150													
FIFTH AVE. BETWEEN STA. 351+00 AND 362+00, INT 3106																								
182	IC-1	FIFTH AVE	351+00, 23' RT	355+26, 31' RT							433					433								
182	IC-3	FIFTH AVE	352+61, 24' RT								150													
182	SE A-1	FIFTH AVE	355+26, 31' RT								150	125	24		1									
182	IC-2	FIFTH AVE	355+26, 31' RT	362+00, 25' RT							684					684								
182	IC-4	FIFTH AVE	355+26, 31' RT	355+44, 32' RT								18				18								
182	TC-1	FIFTH AVE	355+44, 32' RT						1			55		1			2	1	1					
FIFTH AVE. BETWEEN STA. 362+00 AND 373+00																								
183	IC-1	FIFTH AVE	362+00, 25' RT	373+00, 29' RT							1,118					1,118								
183	IC-2	FIFTH AVE	368+06, 24' RT								150													
FIFTH AVE. BETWEEN STA. 373+00 AND 384+00																								
184	IC-1	FIFTH AVE	373+00, 29' RT	382+14, 32' RT							928					928								
184	IC-5	FIFTH AVE	382+01, 32' RT								150													
184	IC-2	FIFTH AVE	382+14, 32' RT						2	1	35													
184	IC-3	FIFTH AVE	382+14, 32' RT	382+35, 43' RT	29			29			29													
184	IC-4	FIFTH AVE	382+35, 43' RT	384+00, 37' RT		330	1				165													
SHEET TOTAL					29	330	1	29	3	1	8,430	198	24	1	1	6,069	2	1	1	-	-	-	-	-

AERIAL SAG: 1.5% AERIAL SAG IS INCLUDED IN THE QUANTITIES FOR ANY AERIAL FIBER OR CABLE ITEMS.

3676-E

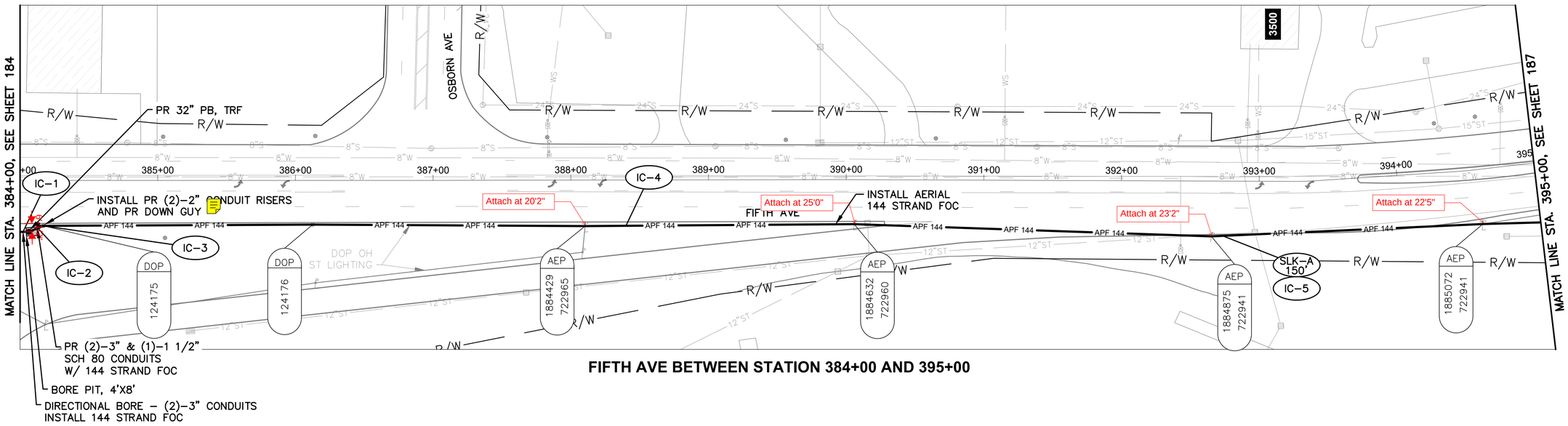
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PID NUMBER: 110521

FIFTH AVE BETWEEN STA. 318+00 & 384+00
INTS 3105 AND 3106

CITY OF COLUMBUS TRAFFIC SIGNAL SYSTEM
(CTSS) PHASE F – FINAL SUBMITTAL

185
768

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FIFTH AVE BETWEEN STATION 384+00 AND 395+00

NOTES:

1. SEE SHEET 192 FOR QUANTITIES.
2. SEE SHEET 471 FOR COMMUNICATION DETAILS.

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www.oups.org

CITY OF COLUMBUS UTILITY LEGEND

- ☒ SEWER
- ☒ WATER
- ☐ POWER
- ☒ LIGHTING



REFER TO SHEET 12 FOR INTERCONNECT SHEET INDEX

KEY PLAN
NOT TO SCALE

3676-E

HORIZONTAL SCALE IN FEET
0 40 80

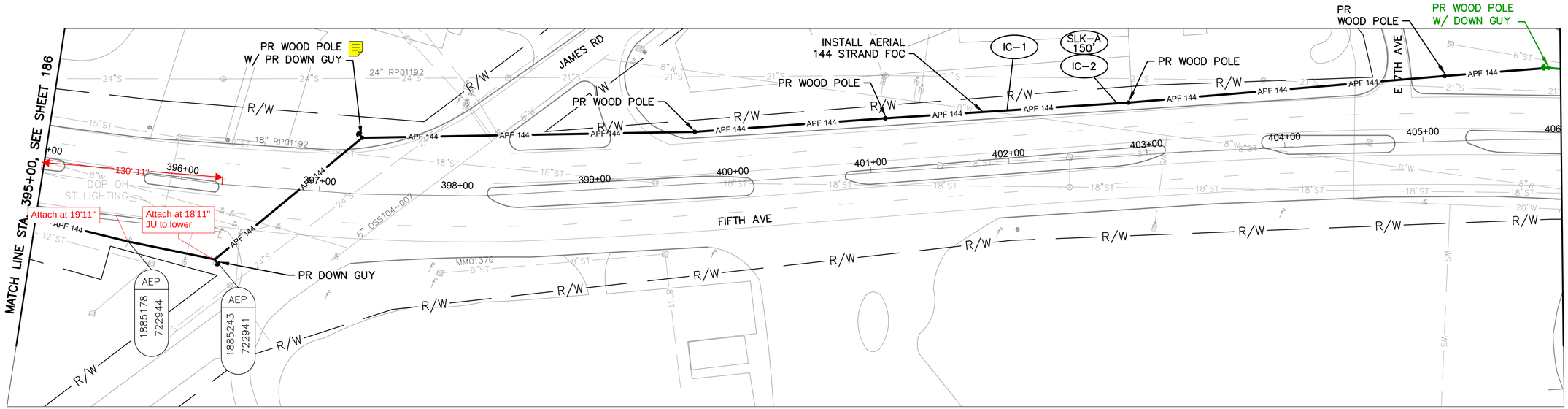
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PID NUMBER: 110521

INTERCONNECT PLAN
FIFTH AVE BETWEEN STA. 384+00 AND 395+00

CITY OF COLUMBUS TRAFFIC SIGNAL SYSTEM
(CTSS) PHASE F – FINAL SUBMITTAL

186
768

J:\Jobs\70202 – CTSS Phase F\TECHPROD\Sheets\CTSS_PhF_Trunk3_FIFTH_INTERCONNECT.dwg – FIFTH–12 layout ~ last saved by: gburch 05/26/2022 11:19pm ~ printed 06/02/2022 08:13am PSLTS: 1 LTS: 1 CAS: 1:1



FIFTH AVE BETWEEN STATION 395+00 AND 406+00

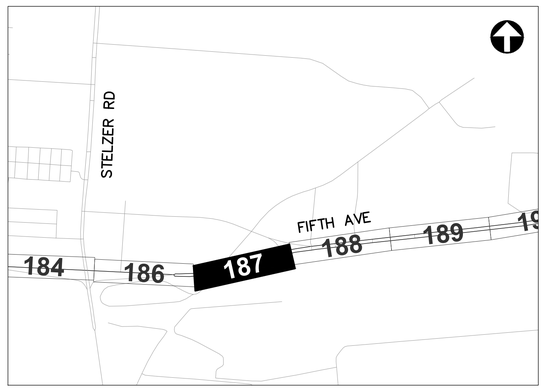
NOTES:

1. SEE SHEET 192 FOR QUANTITIES.
2. SEE SHEET 471 FOR COMMUNICATION DETAILS.
3. RIGHT OF WAY IS LOCATED OUTSIDE OF THE EXTENT OF VIEW SHOWN ABOVE.

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CITY OF COLUMBUS UTILITY LEGEND

☒	SEWER
☒	WATER
☐	POWER
☒	LIGHTING



REFER TO SHEET 12 FOR INTERCONNECT SHEET INDEX

KEY PLAN
NOT TO SCALE

DRAFT REVISION 8.0

3676-E

HORIZONTAL SCALE IN FEET
0 40 80

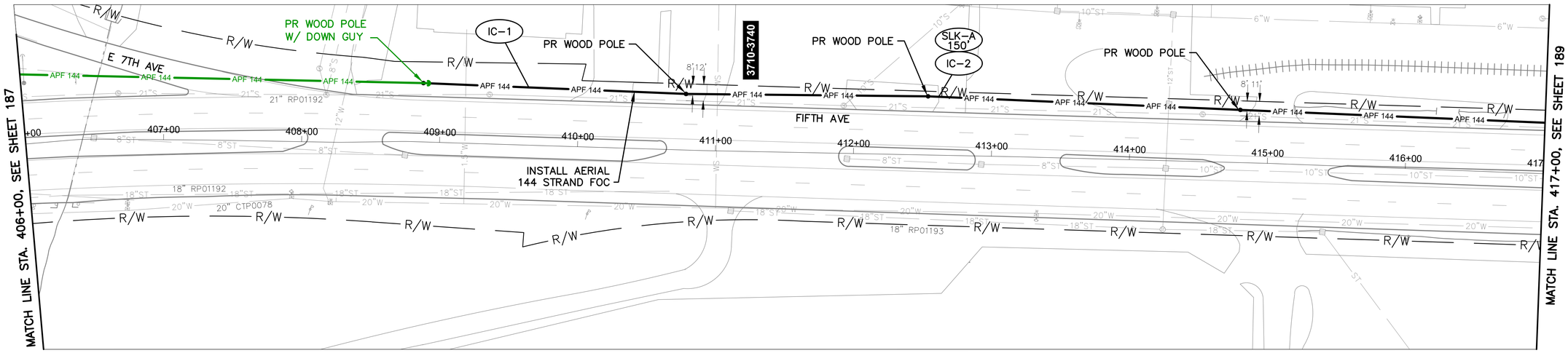
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PID NUMBER: 110521

INTERCONNECT PLAN
FIFTH AVE BETWEEN STA. 395+00 AND 406+00

CITY OF COLUMBUS TRAFFIC SIGNAL SYSTEM
(CTSS) PHASE F – FINAL SUBMITTAL

187
768

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FIFTH AVE BETWEEN STATION 406+00 AND 417+00

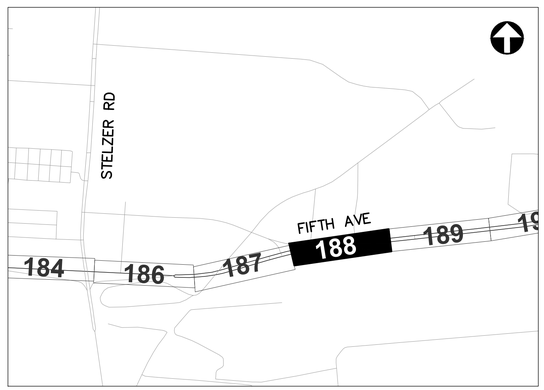
NOTES:

1. SEE SHEET 192 FOR QUANTITIES.
2. SEE SHEET 471 FOR COMMUNICATION DETAILS.

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www.oups.org

CITY OF COLUMBUS UTILITY LEGEND

- [X] SEWER
- [X] WATER
- [ ] POWER
- [ ] LIGHTING



REFER TO SHEET 12 FOR INTERCONNECT SHEET INDEX

KEY PLAN
NOT TO SCALE

9 DRAFT REVISION 8.0

3676-E

HORIZONTAL SCALE IN FEET
0 40 80

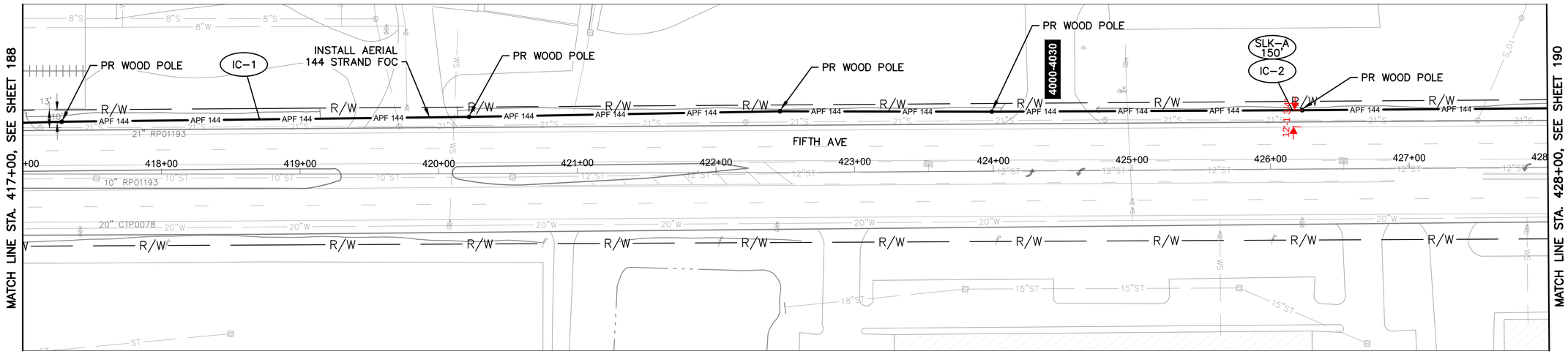
CIP: 540007-100060
PID NUMBER: 110521

INTERCONNECT PLAN
FIFTH AVE BETWEEN STA. 406+00 AND 417+00

CITY OF COLUMBUS TRAFFIC SIGNAL SYSTEM
(CTSS) PHASE F – FINAL SUBMITTAL

188
768

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FIFTH AVE BETWEEN STATION 417+00 AND 428+00

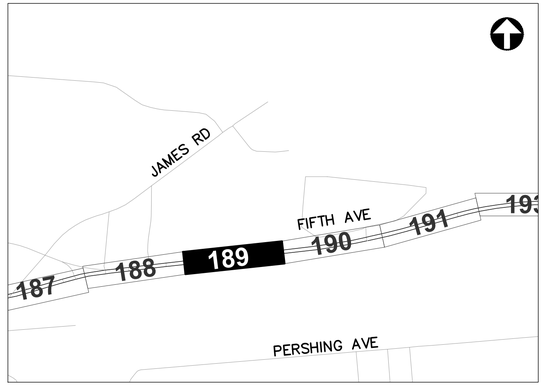
NOTES:

1. SEE SHEET 192 FOR QUANTITIES.
2. SEE SHEET 471 FOR COMMUNICATION DETAILS.

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CITY OF COLUMBUS UTILITY LEGEND

☒	SEWER
☒	WATER
☐	POWER
☐	LIGHTING



REFER TO SHEET 12 FOR INTERCONNECT SHEET INDEX

KEY PLAN
NOT TO SCALE

3676-E

HORIZONTAL SCALE IN FEET
0 40 80

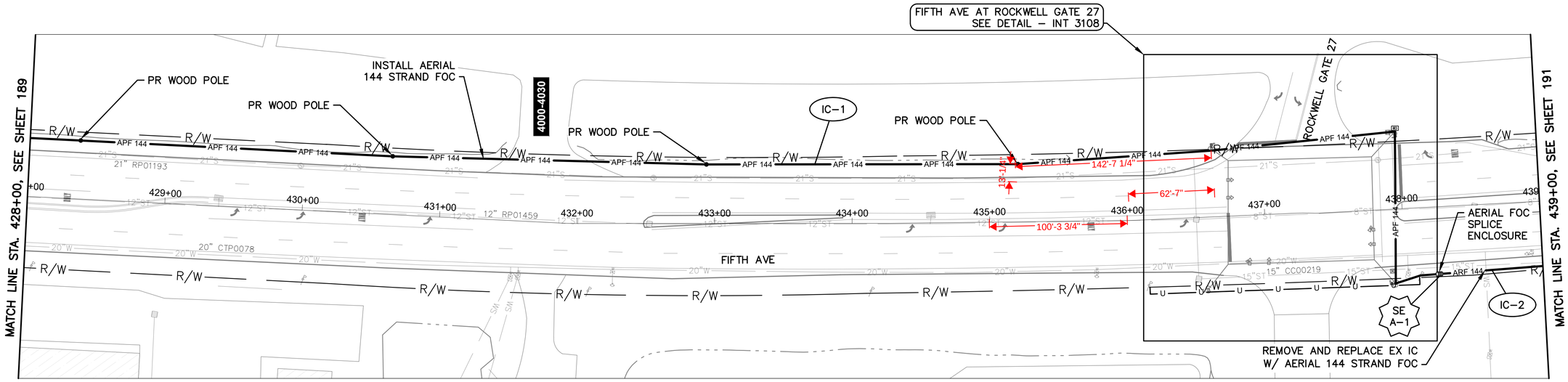
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PID NUMBER: 110521

INTERCONNECT PLAN
FIFTH AVE BETWEEN STA. 417+00 AND 428+00

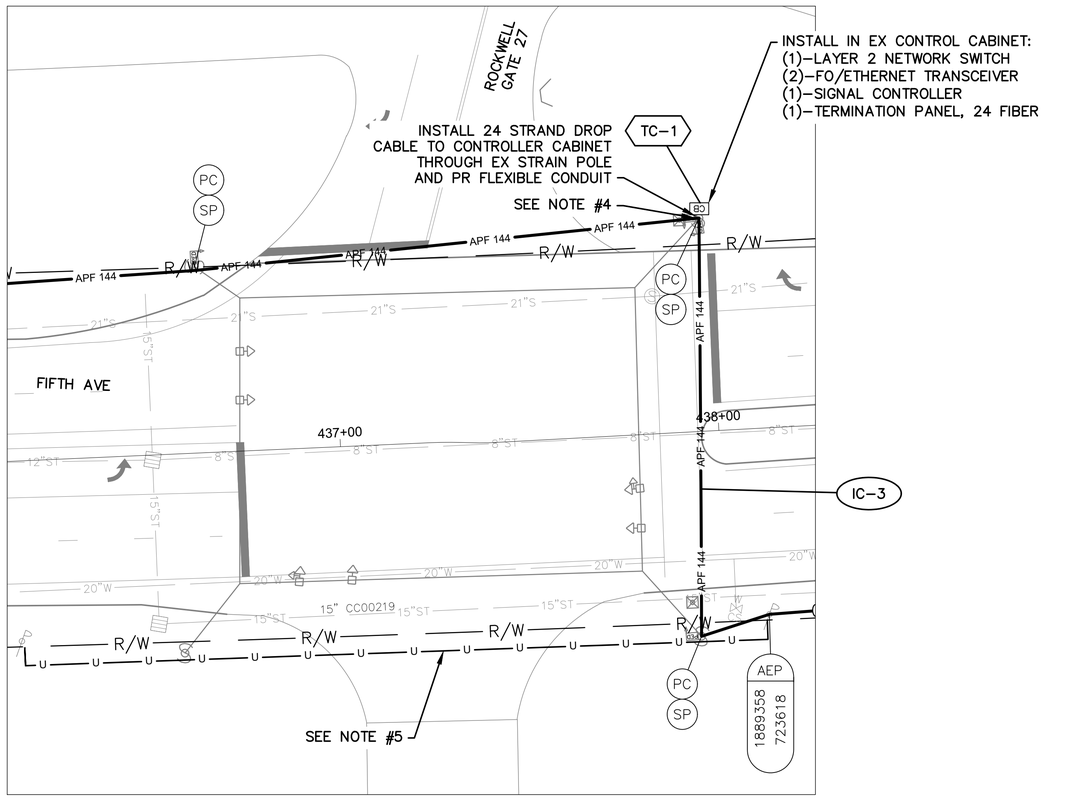
CITY OF COLUMBUS TRAFFIC SIGNAL SYSTEM
(CTSS) PHASE F – FINAL SUBMITTAL

189
768

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FIFTH AVE BETWEEN STATION 428+00 AND 439+00



DETAIL - INT 3108

0 20 40
HORIZONTAL
SCALE IN FEET

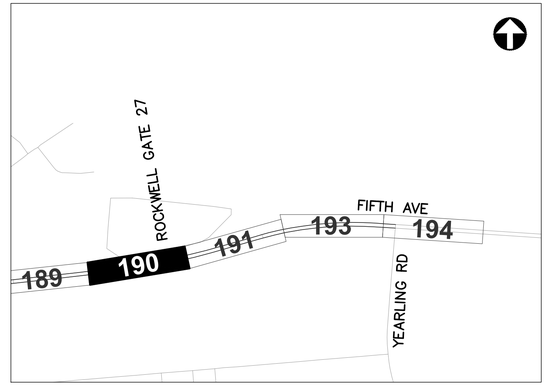
NOTES:

1. SEE SHEET 192 FOR QUANTITIES.
2. SEE SHEETS 471 & 595 FOR COMMUNICATION DETAILS.
3. EXISTING CONDUIT TO CONTROLLER CABINET IS FULL. INSTALL NEW FLEXIBLE CONDUIT TO CABINET FOR PROPOSED DROP CABLE.
4. SIGNAL MAINTENANCE AGREEMENT IN PLACE BETWEEN CITY OF COLUMBUS AND COLUMBUS INTERNATIONAL AIRCENTER FOR MAINTENANCE OF TRAFFIC SIGNAL AT INT 3108.
5. PROPOSED EASEMENT – SEE R/W PLAN SHEET 767 (6–U).

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CITY OF COLUMBUS
UTILITY LEGEND

☒	SEWER
☒	WATER
☐	POWER
☐	LIGHTING



REFER TO SHEET 12 FOR
INTERCONNECT SHEET INDEX

KEY PLAN
NOT TO SCALE

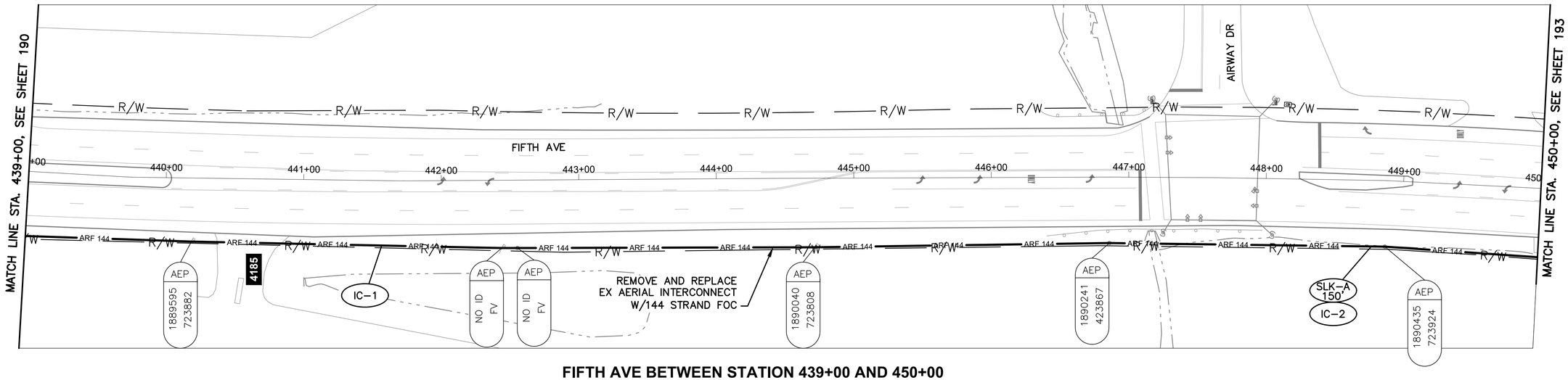
0 40 80
HORIZONTAL
SCALE IN FEET

CIP: 540007–100060
PID NUMBER: 110521

INTERCONNECT PLAN
FIFTH AVE BETWEEN STA. 428+00 AND 439+00, INT 3108

CITY OF COLUMBUS TRAFFIC SIGNAL SYSTEM
(CTSS) PHASE F – FINAL SUBMITTAL

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FIFTH AVE BETWEEN STATION 439+00 AND 450+00

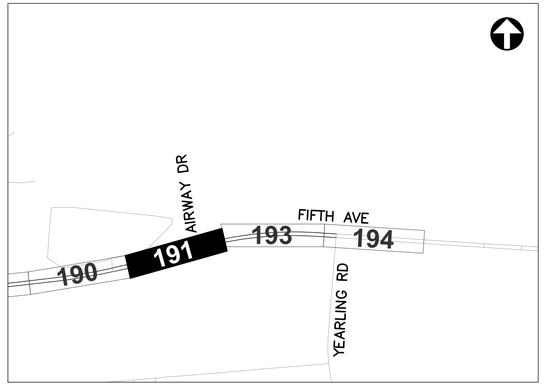
NOTES:

1. SEE SHEET 192 FOR QUANTITIES.
2. SEE SHEET 471 FOR COMMUNICATION DETAILS.

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CITY OF COLUMBUS UTILITY LEGEND

- ☐ SEWER
- ☐ WATER
- ☐ POWER
- ☐ LIGHTING



REFER TO SHEET 12 FOR INTERCONNECT SHEET INDEX

KEY PLAN
NOT TO SCALE

HORIZONTAL SCALE IN FEET
0 40 80

CIP: 540007-100060
PID NUMBER: 110521

INTERCONNECT PLAN
FIFTH AVE BETWEEN STA. 439+00 AND 450+00

CITY OF COLUMBUS TRAFFIC SIGNAL SYSTEM
(CTSS) PHASE F – FINAL SUBMITTAL

3676-E

191
768

J:\Jobs\70202 - CTSS Phase F\TECHPROD\Sheets\CTSS_PhF_Trunk3_FIFTH_2_INTERCONNECT.dwg - FIFTH-17 layout ~ last saved by: gburch 04/12/2022 10:26pm ~ printed 06/02/2022 08:18am PSLTS: 1 LTS: 1 CAS: 1:1

ESTIMATED QUANTITIES

SHEET NO.	REFERENCE NO.	LOCATION	STATION		625	625	625	625	632	632	632	632	632	632	632	632	632	633	633	633			
					CONDUIT, CONCRETE ENCASED, 2-3", 725.051, AS PER PLAN	CONDUIT, JACKED OR DRILLED, 3", AS PER PLAN	PULL BOX, CONCRETE 32", AS PER PLAN	TRENCH, 36" DEEP, AS PER PLAN	CONDUIT RISER, 2", 725.04, AS PER PLAN	DOWN GUY	INTERCONNECT CABLE, MISC.: FIBER OPTIC CABLE, 144 STRAND	INTERCONNECT CABLE, MISC.: FIBER OPTIC DROP CABLE, 24 STRAND	INTERCONNECT CABLE, MISC.: FIBER OPTIC FUSION SPLICE	INTERCONNECT CABLE, MISC.: REMOVE EXISTING OVERHEAD INTERCONNECT	INTERCONNECT CABLE, MISC.: TERMINATION PANEL, 24 FIBER	INTERCONNECT, MISC.: SPLICE ENCLOSURE, DOME, 288 SPLICE	MESSENGER WIRE, 7 STRAND, 1/4" DIAMETER WITH ACCESSORIES, AS PER PLAN	WOOD POLE, CLASS 5, 35 FT	CONTROLLER ITEM, MISC.: FIBER OPTIC ETHERNET TRANSCEIVER, SHORT RANGE	CONTROLLER ITEM, MISC.: LAYER 2 ETHERNET SWITCH	CONTROLLER UNIT, TYPE TS2/A2, AS PER PLAN			
			FROM	TO	FT	FT	EACH	FT	EACH	EACH	FT	FT	EACH	FT	EACH	EACH	FT	EACH	EACH	EACH	EACH			
FIFTH AVE. BETWEEN STA. 384+00 AND 395+00																								
186	IC-1	FIFTH AVE	384+00, 37' RT	384+06, 37' RT		12	1				6													
186	IC-2	FIFTH AVE	384+06, 37' RT	384+17, 33' RT	12			12			12													
186	IC-3	FIFTH AVE	384+17, 33' RT						2	1	35													
186	IC-4	FIFTH AVE	384+17, 33' RT	395+00, 43' RT							1,104						1,104							
186	IC-5	FIFTH AVE	392+73, 40' RT								150													
FIFTH AVE. BETWEEN STA. 395+00 AND 406+00																								
187	IC-1	FIFTH AVE	395+00, 43' RT	406+00, 41' LT						2	1,157						1,157	5						
187	IC-2	FIFTH AVE	402+81, 38' LT								150													
FIFTH AVE. BETWEEN STA. 406+00 AND 417+00																								
188	IC-1	FIFTH AVE	406+00, 41' LT	417+00, 37' LT							1,122						1,122	5						
188	IC-2	FIFTH AVE	412+61, 42' LT								150													
FIFTH AVE. BETWEEN STA. 417+00 AND 428+00																								
189	IC-1	FIFTH AVE	417+00, 37' LT	428+00, 43' LT							1,117						1,117	5						
189	IC-2	FIFTH AVE	426+16, 22' LT								150													
FIFTH AVE. BETWEEN STA. 428+00 AND 439+00, INT 3108																								
190	IC-1	FIFTH AVE	428+00, 43' LT	438+24, 49' RT							1,153						1,153	4						
190	TC-1	FIFTH AVE	437+98, 56' LT									55			1				2	1	1			
190	IC-3	FIFTH AVE	437+98, 56' LT	438+24, 49' RT								145					145							
190	IC-2	FIFTH AVE	438+24, 49' RT	439+00, 47' RT							77			77			77							
190	SE A-1	FIFTH AVE	438+24, 49' RT								150	125	24			1								
FIFTH AVE. BETWEEN STA. 439+00 AND 450+00																								
191	IC-1	FIFTH AVE	439+00, 47' RT	450+00, 50' RT							1,117			1,117			1,117							
191	IC-2	FIFTH AVE	448+76, 48' RT								150													
SHEET TOTAL					12	12	1	12	2	3	7,800	325	24	1,194	1	1	6,992	19	2	1	1	-	-	-

AERIAL SAG: 1.5% AERIAL SAG IS INCLUDED IN THE QUANTITIES FOR ANY AERIAL FIBER OR CABLE ITEMS.

CIP: 540007–100060
PID NUMBER: 110521

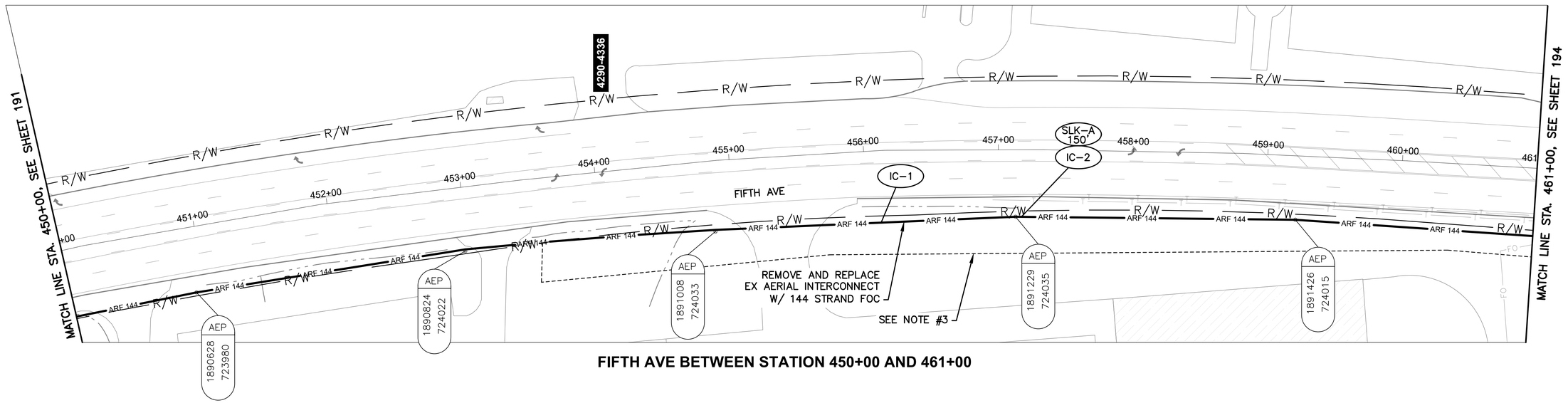
FIFTH AVE BETWEEN STA. 384+00 & 450+00
INT 3108

CITY OF COLUMBUS TRAFFIC SIGNAL SYSTEM
(CTSS) PHASE F – FINAL SUBMITTAL

192
768

3676-E

d:\Jobs\70202 – CTSS Phase F\TECHPROD\Sheets\CTSS_PhF_Trunk3_FIFTH_IC_QUANTITIES.dwg – FIFTH 03 layout ~ last saved by: gburch 02/22/2022 09:45pm ~ printed 06/02/2022 10:11am PSLTs: 1 LTs: 1 CAS: 1:1



FIFTH AVE BETWEEN STATION 450+00 AND 461+00

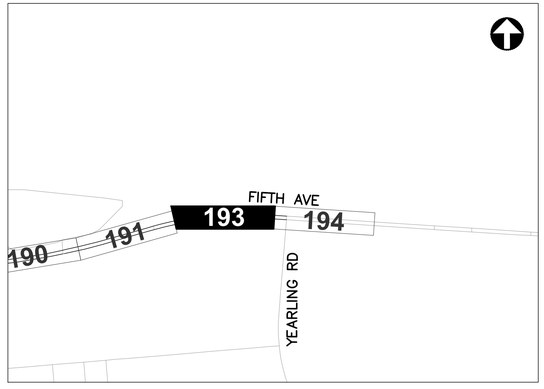
NOTES:

1. SEE SHEET 195 FOR QUANTITIES.
2. SEE SHEET 471 FOR COMMUNICATION DETAILS.
3. EXISTING COLUMBUS SOUTHERN POWER COMPANY EASEMENT PER INSTRUMENT NUMBER #201903040024324.

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CITY OF COLUMBUS UTILITY LEGEND

- ☐ SEWER
- ☐ WATER
- ☐ POWER
- ☐ LIGHTING



REFER TO SHEET 12 FOR INTERCONNECT SHEET INDEX

KEY PLAN
NOT TO SCALE

3676-E

HORIZONTAL SCALE IN FEET
0 40 80

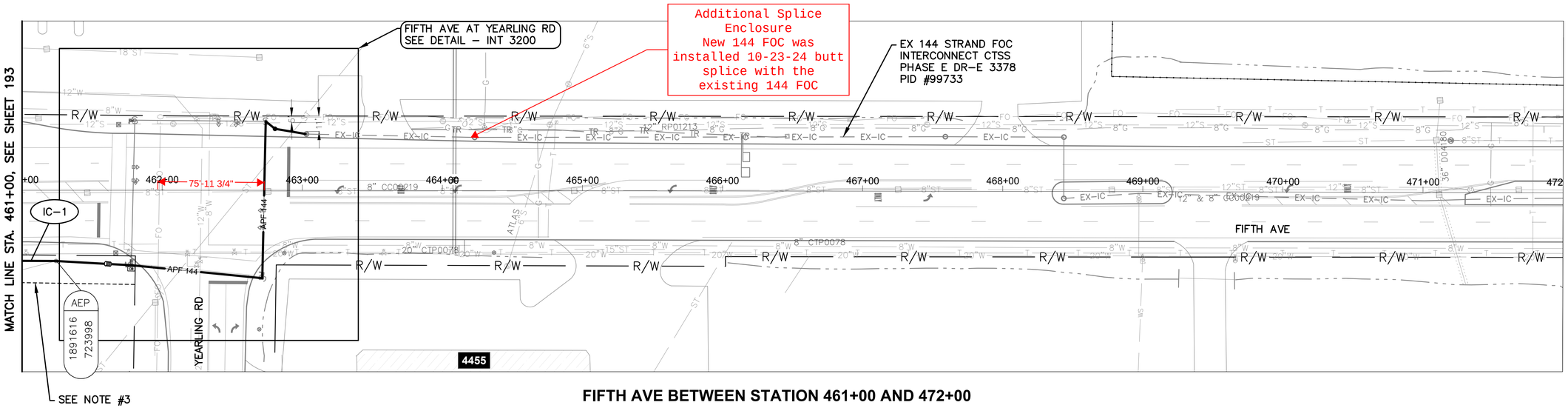
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PID NUMBER: 110521

INTERCONNECT PLAN
FIFTH AVE BETWEEN STA. 450+00 AND 461+00

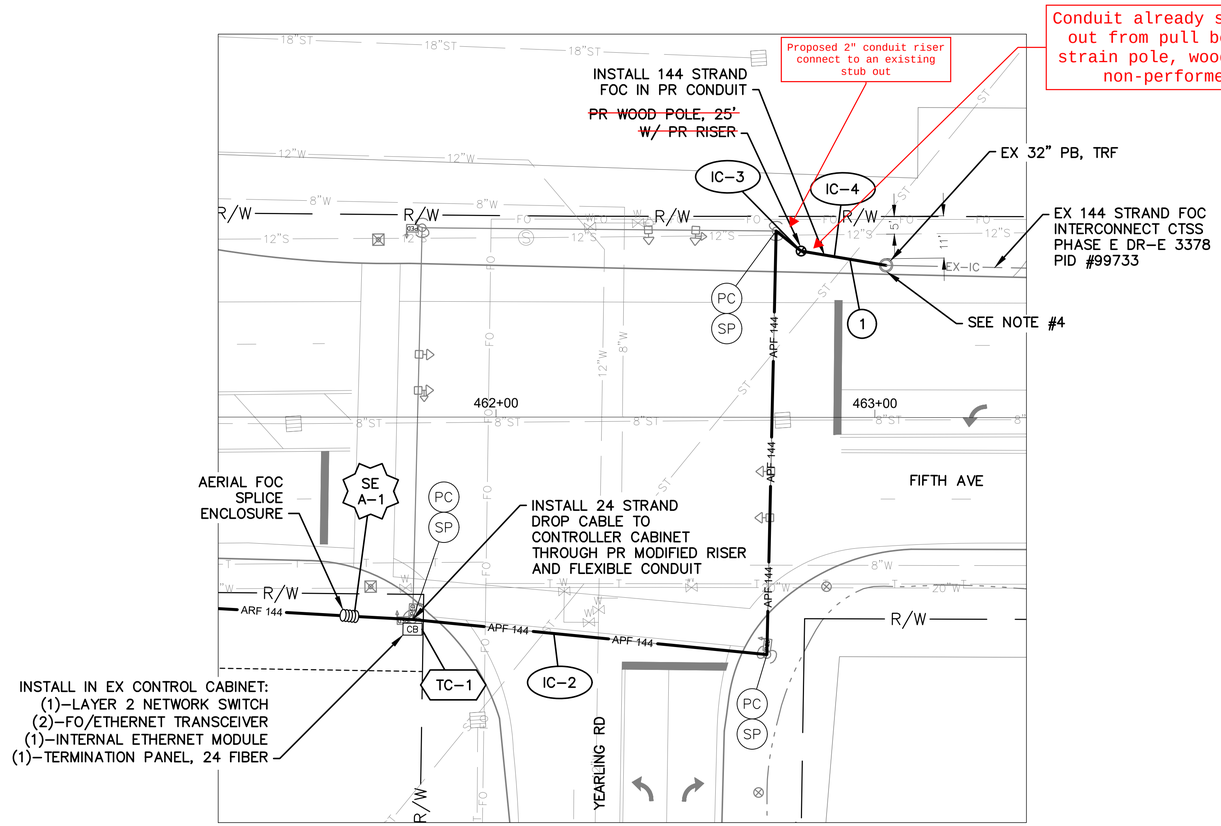
CITY OF COLUMBUS TRAFFIC SIGNAL SYSTEM
(CTSS) PHASE F - FINAL SUBMITTAL

193
768

J:\Jobs\70202 - CTSS Phase F\TECHPROD\Sheets\CTSS_PhF_Trunk3_FIFTH_2_INTERCONNECT.dwg - FIFTH-18 layout ~ last saved by: gburch 04/12/2022 10:26pm ~ printed 06/02/2022 08:18am PSLTS: 1 LTS: 1 CAS: 1:1



FIFTH AVE BETWEEN STATION 461+00 AND 472+00



DETAIL - INT 3200

0 20 40
HORIZONTAL SCALE IN FEET

NOTES:

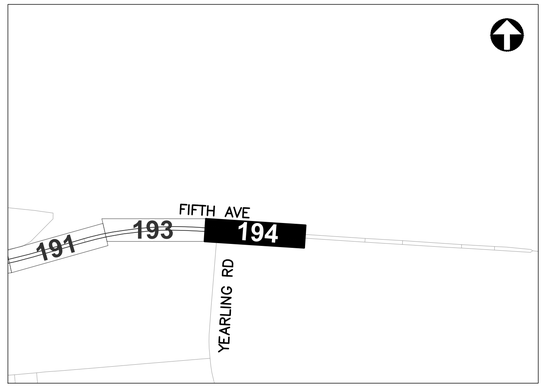
1. SEE SHEET 195 FOR QUANTITIES.
2. SEE SHEETS 471 & 599 FOR COMMUNICATION DETAILS.
3. EXISTING COLUMBUS SOUTHERN POWER COMPANY EASEMENT PER INSTRUMENT NUMBER #201903040024324.
4. FOR FIBER INSTALLATION EAST OF SPLICE ENCLOSURE, USE EXISTING SLACK STORED IN PULL BOX AT 463+03, 40' LT.

(#) EXISTING UTILITY CROSSING. SEE UTILITY CROSSING INFO SHEET 19.

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CITY OF COLUMBUS UTILITY LEGEND

- [X] SEWER
- [X] WATER
- [ ] POWER
- [ ] LIGHTING



REFER TO SHEET 12 FOR INTERCONNECT SHEET INDEX

KEY PLAN
NOT TO SCALE

0 40 80
HORIZONTAL SCALE IN FEET

CIP: 540007–100060
PID NUMBER: 110521

INTERCONNECT PLAN
FIFTH AVE BETWEEN STA. 461+00 AND 472+00, INT 3200

CITY OF COLUMBUS TRAFFIC SIGNAL SYSTEM
(CTSS) PHASE F – FINAL SUBMITTAL

194
768

3676-E

J:\Jobs\70202 – CTSS Phase F\TECHPROD\Sheets\CTSS_PhF_Trunk3_FIFTH_2_INTERCONNECT.dwg – FIFTH-19 layout ~ last saved by: gburch 04/12/2022 10:26pm ~ printed 06/02/2022 08:20am PSLTS: 1 LTS: 1 CAS: 1:1

ESTIMATED QUANTITIES

SHEET NO.	REFERENCE NO.	LOCATION	STATION		625	625	632	632	632	632	632	632	632	632	632	633	633	633						
					CONDUIT, CONCRETE ENCASED, 2-3", 725.051, AS PER PLAN	TRENCH, 36" DEEP, AS PER PLAN	CONDUIT RISER, 2", 725.04, AS PER PLAN	INTERCONNECT CABLE, MISC.: FIBER OPTIC CABLE, 144 STRAND	INTERCONNECT CABLE, MISC.: FIBER OPTIC DROP CABLE, 24 STRAND	INTERCONNECT CABLE, MISC.: FIBER OPTIC FUSION SPLICE	INTERCONNECT CABLE, MISC.: REMOVE EXISTING OVERHEAD INTERCONNECT	INTERCONNECT CABLE, MISC.: TERMINATION PANEL, 24 FIBER	INTERCONNECT, MISC.: SPLICE ENCLOSURE, DOME, 288 SPLICE	MESSENGER WIRE, 7 STRAND, 1/4" DIAMETER WITH ACCESSORIES, AS PER PLAN	WOOD POLE, CLASS 5, 25 FT	CONTROLLER ITEM, MISC.: FIBER OPTIC ETHERNET TRANSCEIVER, SHORT RANGE	CONTROLLER ITEM, MISC.: LAYER 2 ETHERNET SWITCH	CONTROLLER UNIT, TYPE TS2/A2, AS PER PLAN						
			FROM	TO	FT	FT	EACH	FT	FT	EACH	FT	EACH	EACH	FT	EACH	EACH	EACH	EACH						
FIFTH AVE. BETWEEN STA. 450+00 AND 461+00																								
193	IC-1	FIFTH AVE	450+00, 50' RT	461+00, 50' RT				1,102			1,102			1,102										
193	IC-2	FIFTH AVE	457+17, 50' RT					150																
FIFTH AVE. BETWEEN STA. 461+00 AND 472+00, INT 3200																								
194	IC-1	FIFTH AVE	461+00, 50' RT	461+78, 53' RT				79			79			79										
194	SE A-1	FIFTH AVE	461+62, 53' RT					150	125	156			1											
194	IC-2	FIFTH AVE	461+78, 53' RT	462+80, 44' LT										217										
194	TC-1	FIFTH AVE	461+78, 53' RT				2		55			1				2	1	1						
194	IC-3	FIFTH AVE	462+80, 44' LT				2								1									
194	IC-4	FIFTH AVE	462+80, 44' LT	463+03, 40' LT	23	23																		
SHEET TOTAL					23	23	4	1,481	180	156	1,181	1	1	1,398	1	2	1	1	-	-	-	-	-	-

AERIAL SAG: 1.5% AERIAL SAG IS INCLUDED IN THE QUANTITIES FOR ANY AERIAL FIBER OR CABLE ITEMS.

3676-E

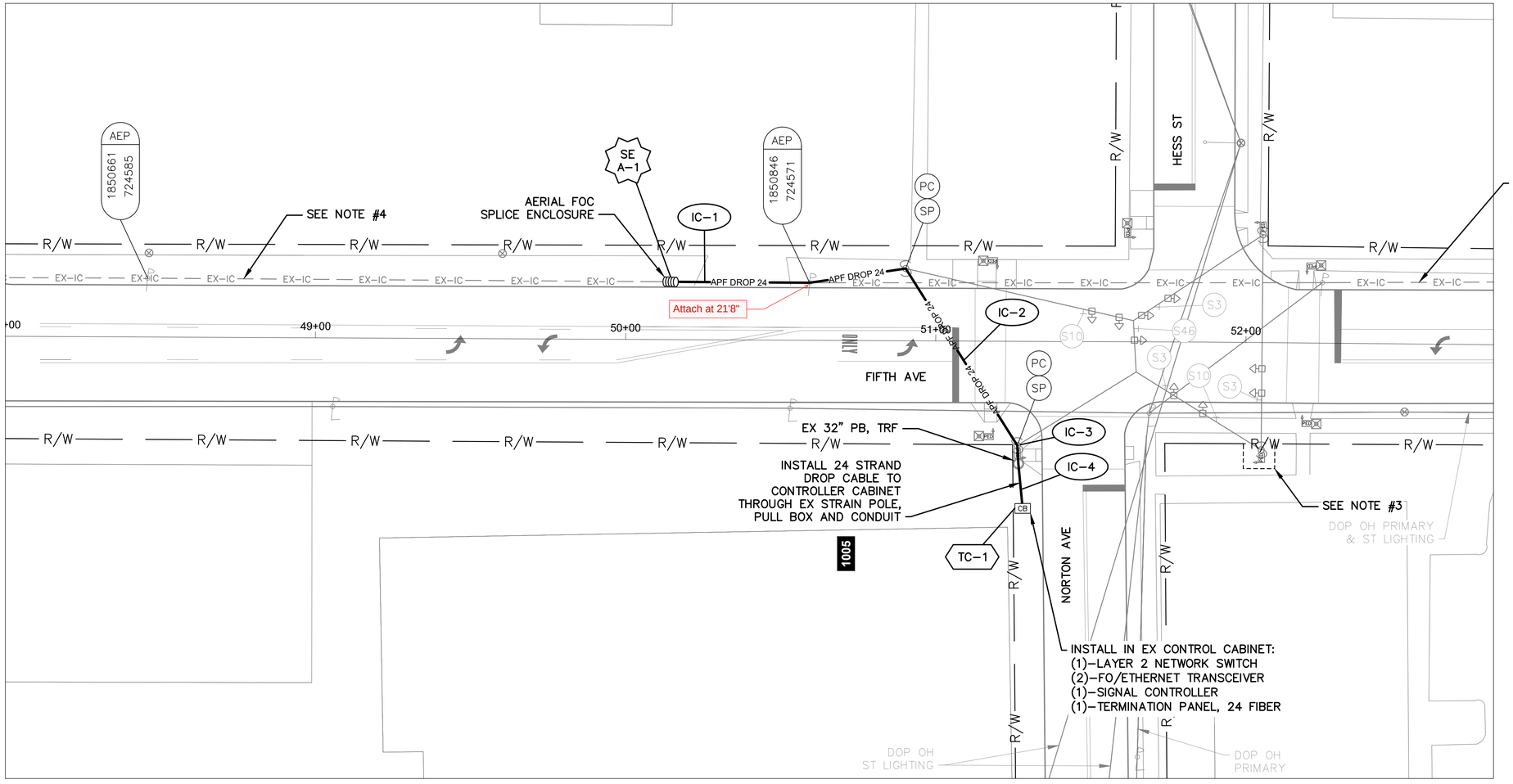
CIP: 540007-100060
PID NUMBER: 110521

FIFTH AVE BETWEEN STA. 450+00 & 516+00
INTS 3200 AND 3111

CITY OF COLUMBUS TRAFFIC SIGNAL SYSTEM
(CTSS) PHASE F – FINAL SUBMITTAL

195
768

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DETAIL - INT 4263 - FIFTH AVE AT HESS ST & NORTON AVE

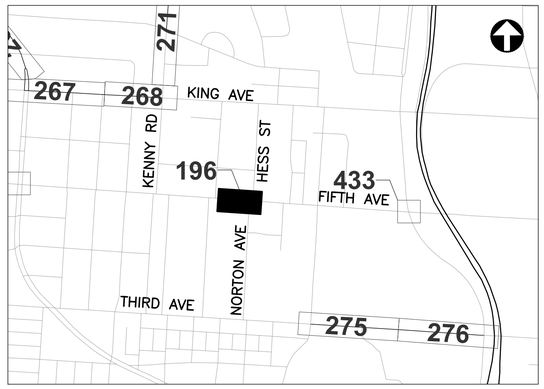
NOTES:

1. SEE SHEET 201 FOR QUANTITIES.
2. SEE SHEETS 472 & 602 FOR COMMUNICATION DETAILS.
3. EXISTING CITY OF COLUMBUS EASEMENT, INSTRUMENT #201605060056643.
4. MOVE SLACK FROM STA. 48+77 TO PROPOSED SPLICE LOCATION SHOWN IN ORDER TO SPLICE INTO EXISTING FIBER.

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CITY OF COLUMBUS UTILITY LEGEND

- ☐ SEWER
- ☐ WATER
- ☒ POWER
- ☒ LIGHTING



REFER TO SHEET 11 FOR INTERCONNECT SHEET INDEX

KEY PLAN
NOT TO SCALE

3676-E

HORIZONTAL SCALE IN FEET
0 20 40

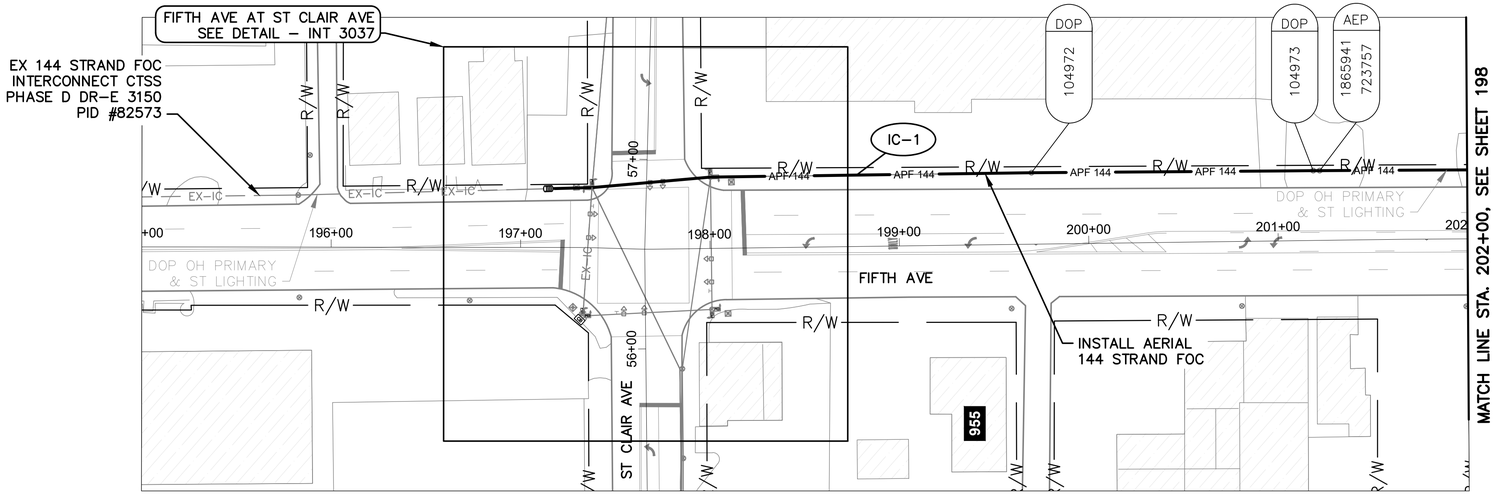
CIP: 540007-100060
PID NUMBER: 110521

INTERCONNECT PLAN
INT 4263 - FIFTH AVE AT HESS ST & NORTON AVE

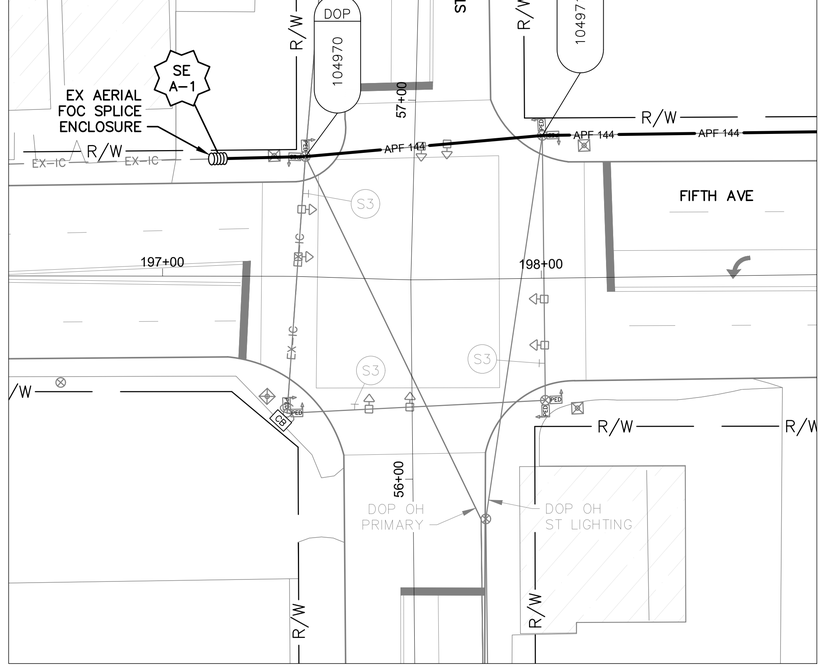
CITY OF COLUMBUS TRAFFIC SIGNAL SYSTEM
(CTSS) PHASE F - FINAL SUBMITTAL

196
768

J:\Jobs\70202 - CTSS Phase F\TECHPROD\Sheets\CTSS_PhF_Trunk3_FIFTH_3_INTERCONNECT.dwg - FIFTH-24 layout - last saved by: gburch 05/26/2022 11:24pm - printed 06/02/2022 08:21am PSLTS: 1 LTS: 1 CAS: 1:1



FIFTH AVE BETWEEN STATION 195+00 AND 202+00



DETAIL - INT 3037

0 20 40
HORIZONTAL
SCALE IN FEET

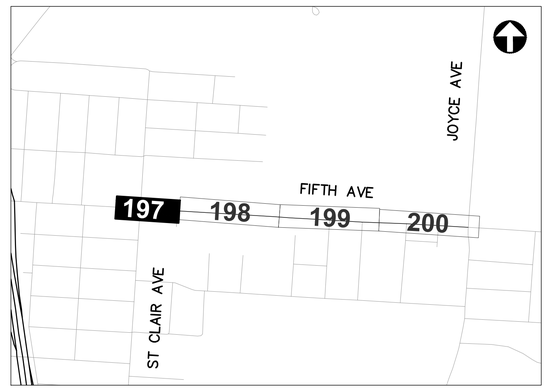
NOTES:

1. SEE SHEET 201 FOR QUANTITIES.
2. SEE SHEETS 470 & 579 FOR COMMUNICATION DETAILS.

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CITY OF COLUMBUS
UTILITY LEGEND

- ☐ SEWER
- ☐ WATER
- ☒ POWER
- ☒ LIGHTING



REFER TO SHEET 12 FOR
INTERCONNECT SHEET INDEX

KEY PLAN
NOT TO SCALE

3676-E

0 40 80
HORIZONTAL
SCALE IN FEET

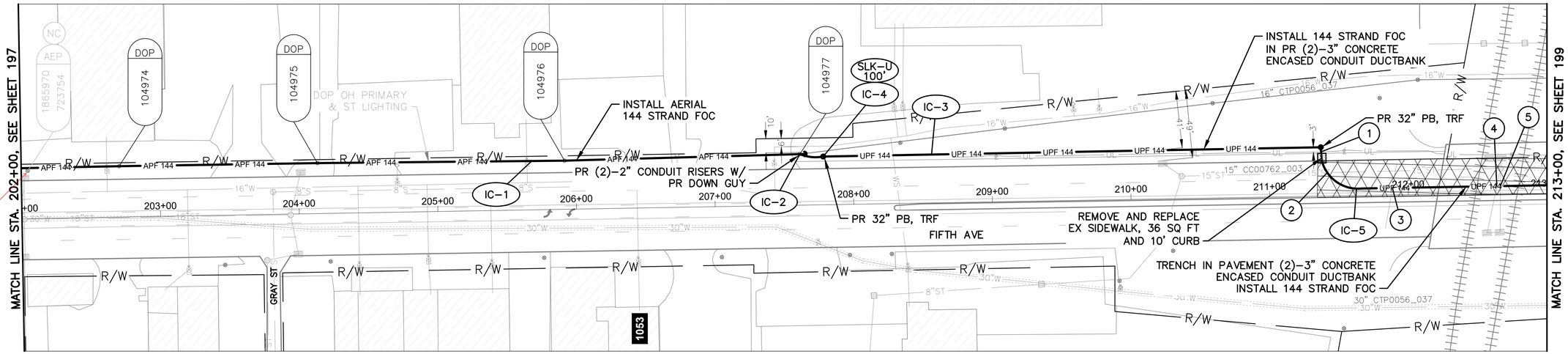
CIP: 540007-100060
PID NUMBER: 110521

INTERCONNECT PLAN
FIFTH AVE BETWEEN STA. 195+00 AND 202+00, INT 3037

CITY OF COLUMBUS TRAFFIC SIGNAL SYSTEM
(CTSS) PHASE F – FINAL SUBMITTAL

197
768

J:\Jobs\70202 – CTSS Phase F\TECHPROD\Sheets\CTSS_PhF_Trunk3_FIFTH-27 layout ~ last saved by: gburch 05/26/2022 11:24pm ~ printed 06/02/2022 08:22am PSLTS: 1 LTS: 1 CAS: 1:1



Attach at 18'11"

FIFTH AVE BETWEEN STATION 202+00 AND 213+00

NOTES:

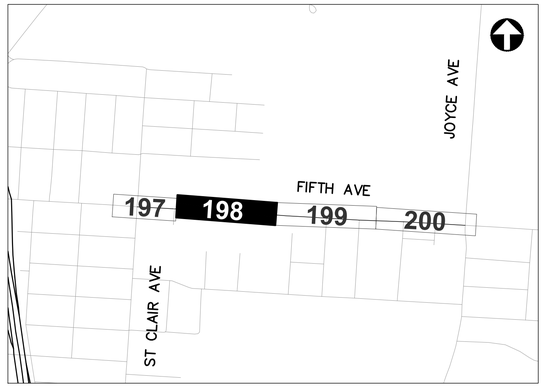
1. SEE SHEET 201 FOR QUANTITIES.
2. SEE SHEET 470 FOR COMMUNICATION DETAILS.

(#) EXISTING UTILITY CROSSING. SEE UTILITY CROSSING INFO SHEET 19.

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CITY OF COLUMBUS UTILITY LEGEND

- SEWER
- WATER
- POWER
- LIGHTING



REFER TO SHEET 12 FOR INTERCONNECT SHEET INDEX

KEY PLAN
NOT TO SCALE

3676-E

HORIZONTAL SCALE IN FEET
0 40 80

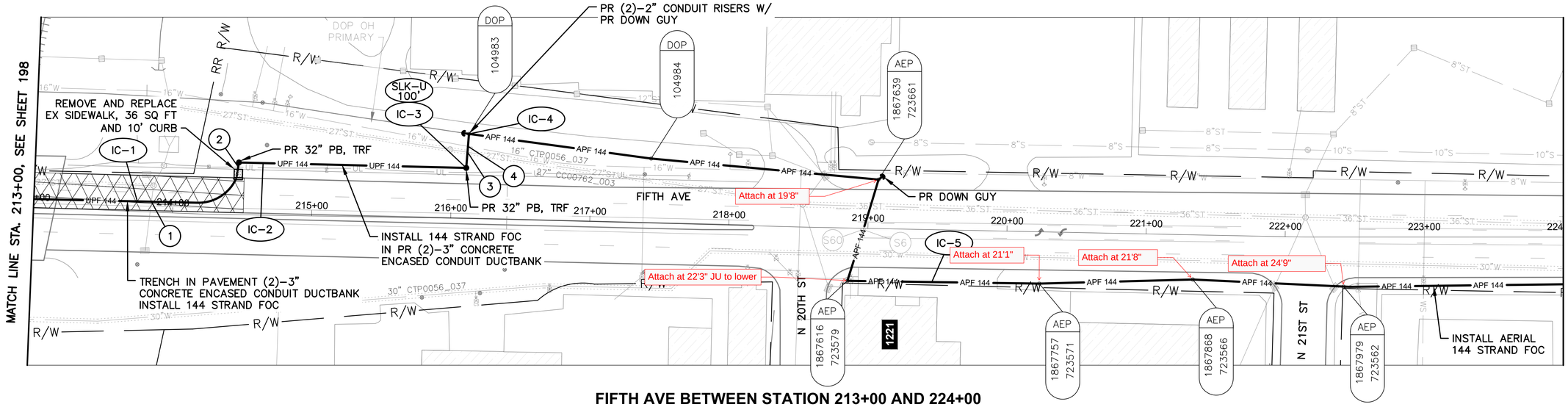
CIP: 540007-100060
PID NUMBER: 110521

INTERCONNECT PLAN
FIFTH AVE BETWEEN STA. 202+00 AND 213+00

CITY OF COLUMBUS TRAFFIC SIGNAL SYSTEM
(CTSS) PHASE F – FINAL SUBMITTAL

198
768

J:\Jobs\70202 - CTSS Phase F\TECHPROD\Sheets\CTSS_PhF_Trunk3_FIFTH_3_INTERCONNECT.dwg - FIFTH-28 layout ~ last saved by: gburch 05/26/2022 11:24pm ~ printed 06/02/2022 08:23am PSLTS: 1 LTS: 1 CAS: 1:1



FIFTH AVE BETWEEN STATION 213+00 AND 224+00

NOTES:

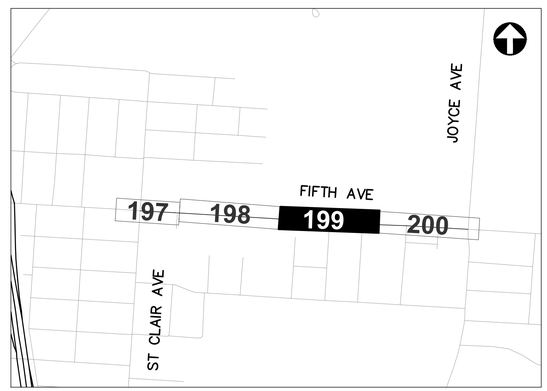
1. SEE SHEET 201 FOR QUANTITIES.
2. SEE SHEET 470 FOR COMMUNICATION DETAILS.

(#) EXISTING UTILITY CROSSING. SEE UTILITY CROSSING INFO SHEET 19.

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CITY OF COLUMBUS UTILITY LEGEND

- SEWER
- WATER
- POWER
- LIGHTING



REFER TO SHEET 12 FOR INTERCONNECT SHEET INDEX

KEY PLAN
NOT TO SCALE

HORIZONTAL SCALE IN FEET
0 40 80

CIP: 540007-100060
PID NUMBER: 110521

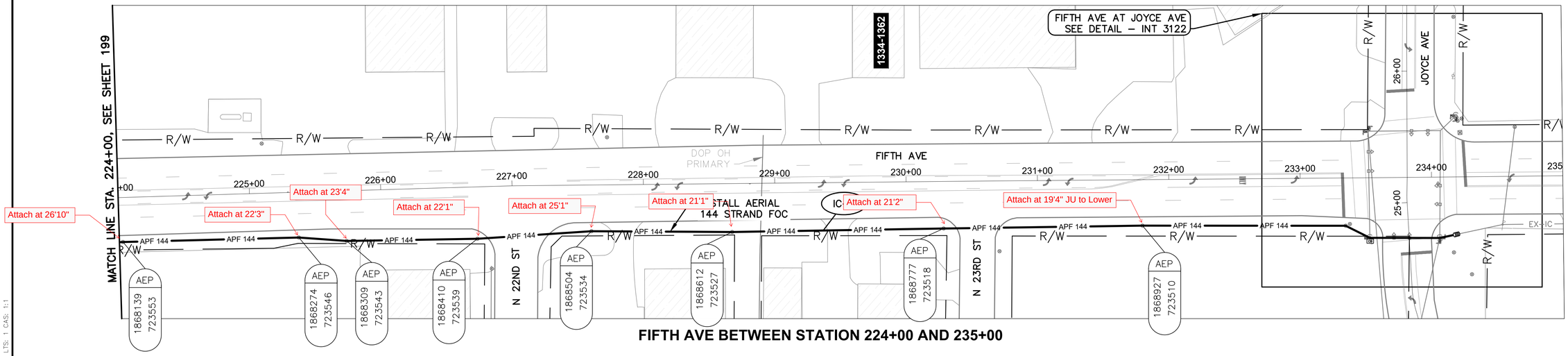
INTERCONNECT PLAN
FIFTH AVE BETWEEN STA. 213+00 AND 224+00

CITY OF COLUMBUS TRAFFIC SIGNAL SYSTEM
(CTSS) PHASE F – FINAL SUBMITTAL

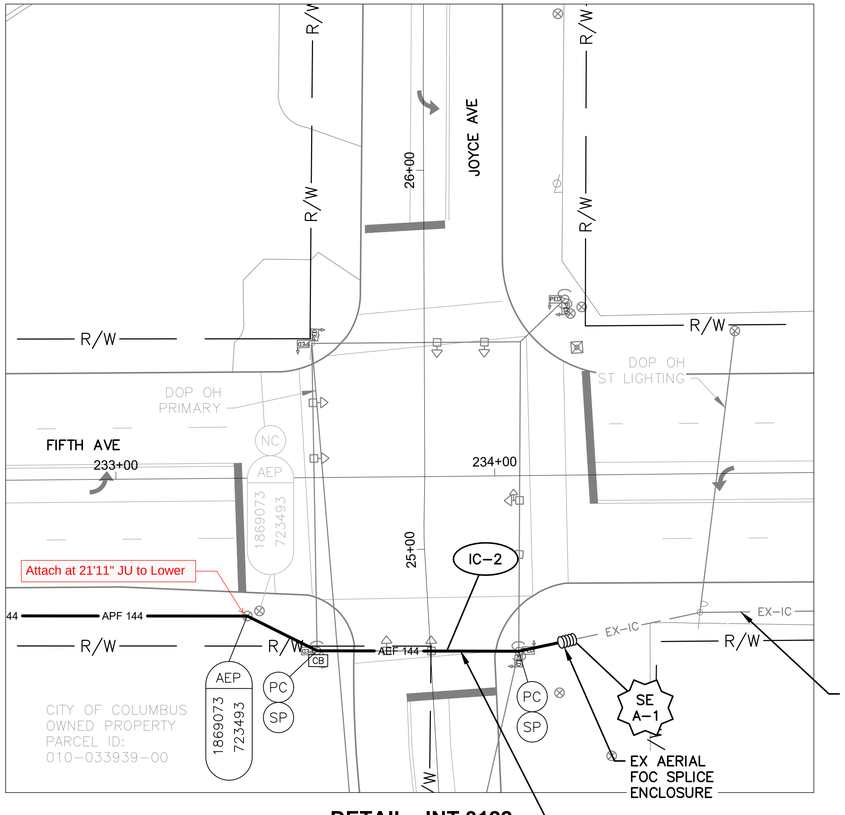
199
768

3676-E

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FIFTH AVE BETWEEN STATION 224+00 AND 235+00



DETAIL - INT 3122

0 20 40
HORIZONTAL
SCALE IN FEET

NOTES:

1. SEE SHEET 201 FOR QUANTITIES.
2. SEE SHEETS 470 & 580 FOR COMMUNICATION DETAILS.

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CITY OF COLUMBUS UTILITY LEGEND

- ☐ SEWER
- ☐ WATER
- ☒ POWER
- ☒ LIGHTING



REFER TO SHEET 12 FOR INTERCONNECT SHEET INDEX

KEY PLAN
NOT TO SCALE

0 40 80
HORIZONTAL
SCALE IN FEET

CIP: 540007-100060
PID NUMBER: 110521

INTERCONNECT PLAN
FIFTH AVE BETWEEN STA. 224+00 AND 235+00, INT 3122

CITY OF COLUMBUS TRAFFIC SIGNAL SYSTEM
(CTSS) PHASE F – FINAL SUBMITTAL

3676-E

200
768

J:\Jobs\70202 – CTSS Phase F\TECHPROD\Sheets\CTSS_PhF_Trunk3_FIFTH_3_INTERCONNECT.dwg – FIFTH-30 layout ~ last saved by: gburch 05/26/2022 11:24pm ~ printed 06/02/2022 08:25am PSLTS: 1 LTS: 1 CAS: 1:1

ESTIMATED QUANTITIES

SHEET NO.	REFERENCE NO.	LOCATION	STATION		202	202	608	609	625	625	625	625	632	632	632	632	632	632	632	632	633	633	633	633
					EXISTING CONDUIT CLEANED, AS PER PLAN	WALK REMOVED	8" CONCRETE WALK	CURB, STRAIGHT 18"	CONDUIT, CONCRETE ENCASED, 2-3", 725.051, AS PER PLAN	PULL BOX, CONCRETE 32", AS PER PLAN	TRENCH, 36" DEEP, AS PER PLAN	TRENCH IN PAVED AREA, AS PER PLAN	CONDUIT RISER, 2", 725.04, AS PER PLAN	DOWN GUY	INTERCONNECT CABLE, MISC.: FIBER OPTIC CABLE, 144 STRAND	INTERCONNECT CABLE, MISC.: FIBER OPTIC DROP CABLE, 24 STRAND	INTERCONNECT CABLE, MISC.: FIBER OPTIC FUSION SPLICE	INTERCONNECT CABLE, MISC.: OVERLASH TO EXISTING INTERCONNECT	INTERCONNECT CABLE, MISC.: TERMINATION PANEL, 24 FIBER	INTERCONNECT, MISC.: SPLICE ENCLOSURE, DOME, 288 SPLICE	MESSENGER WIRE, 7 STRAND, 1/4" DIAMETER WITH ACCESSORIES, AS PER PLAN	CONTROLLER ITEM, MISC.: FIBER OPTIC ETHERNET TRANSCEIVER, SHORT RANGE	CONTROLLER ITEM, MISC.: LAYER 2 ETHERNET SWITCH	CONTROLLER UNIT, TYPE TS2/A2, AS PER PLAN
			FROM	TO	FT	SF	SF	FT	FT	EACH	FT	FT	EACH	EACH	FT	FT	EACH	FT	EACH	EACH	FT	EACH	EACH	EACH
FIFTH AVE., INT 4263																								
196	SE A-1	FIFTH AVE	50+14, 19' LT													125	24			1				
196	IC-1	FIFTH AVE	50+14, 19' LT	50+59, 19' LT												45		45						
196	IC-2	FIFTH AVE	50+59, 19' LT	51+26, 34' RT												99					99			
196	IC-3	FIFTH AVE	51+26, 34' RT													35								
196	IC-4	FIFTH AVE	51+26, 34' RT	51+28, 54' RT	20											20								
196	TC-1	FIFTH AVE	51+28, 54' RT													20			1			2	1	1
FIFTH AVE. BETWEEN STA. 195+00 AND 202+00, INT 3037																								
197	SE A-1	FIFTH AVE	197+14, 31' LT												75		144							
197	IC-1	FIFTH AVE	197+14, 31' LT	202+00, 35' LT											492						492			
FIFTH AVE. BETWEEN STA. 202+00 AND 213+00																								
198	IC-1	FIFTH AVE	202+00, 35' LT	207+62, 37' LT											570						570			
198	IC-2	FIFTH AVE	207+62, 37' LT										2	1	35									
198	IC-3	FIFTH AVE	207+62, 37' LT	211+37, 31' LT		36	36	10	386		386				386									
198	IC-4	FIFTH AVE	207+78, 35' LT							1					100									
198	IC-5	FIFTH AVE	211+37, 31' LT	213+00, 31' LT					189	1		189			189									
FIFTH AVE. BETWEEN STA. 213+00 AND 224+00																								
199	IC-1	FIFTH AVE	213+00, 31' LT	214+46, 26' LT					168			168			168									
199	IC-2	FIFTH AVE	214+46, 26' LT	216+12, 61' LT		36	36	10	199	1	199				199									
199	IC-3	FIFTH AVE	216+10, 32' LT							1					100									
199	IC-4	FIFTH AVE	216+12, 61' LT										2	1	35									
199	IC-5	FIFTH AVE	216+12, 61' LT	224+00, 34' RT										1	900						900			
FIFTH AVE. BETWEEN STA. 224+00 AND 235+00, INT 3122																								
200	IC-1	FIFTH AVE	224+00, 34' RT	233+52, 46' RT											968						968			
200	IC-2	FIFTH AVE	233+52, 46' RT	234+18, 44' RT											66			66						
200	SE A-1	FIFTH AVE	234+18, 44' RT												75		144							
SHEET TOTAL					20	72	72	20	942	4	585	357	4	3	4,358	344	312	111	1	1	3,029	2	1	1

AERIAL SAG: 1.5% AERIAL SAG IS INCLUDED IN THE QUANTITIES FOR ANY AERIAL FIBER OR CABLE ITEMS.

3676-E

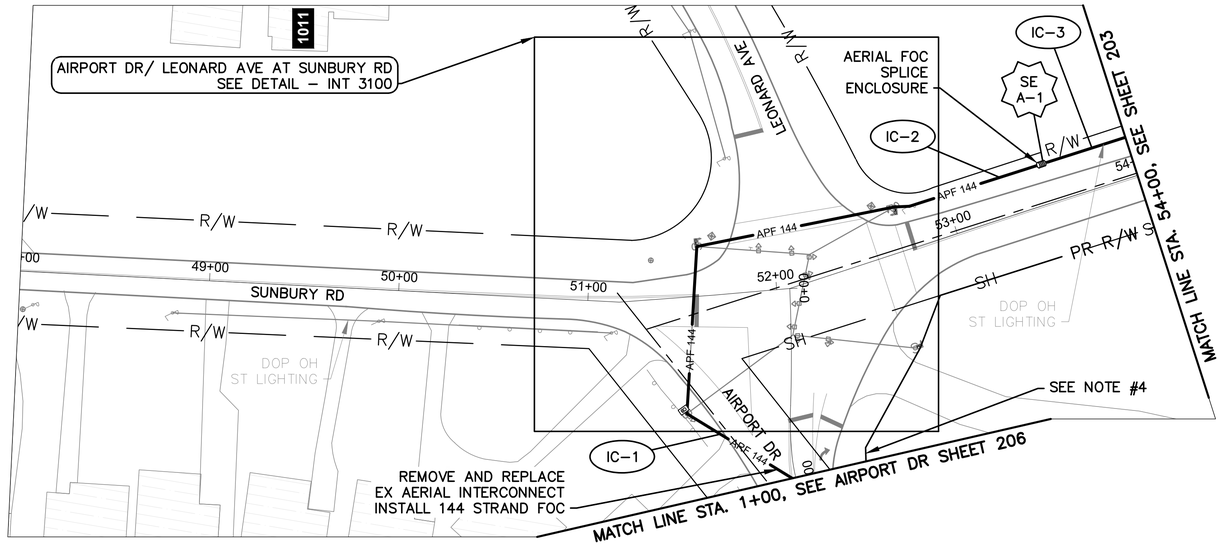
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PID NUMBER: 110521

FIFTH AVE BETWEEN STA. 195+00 & 235+00
INTS 4263, 3037 AND 3122

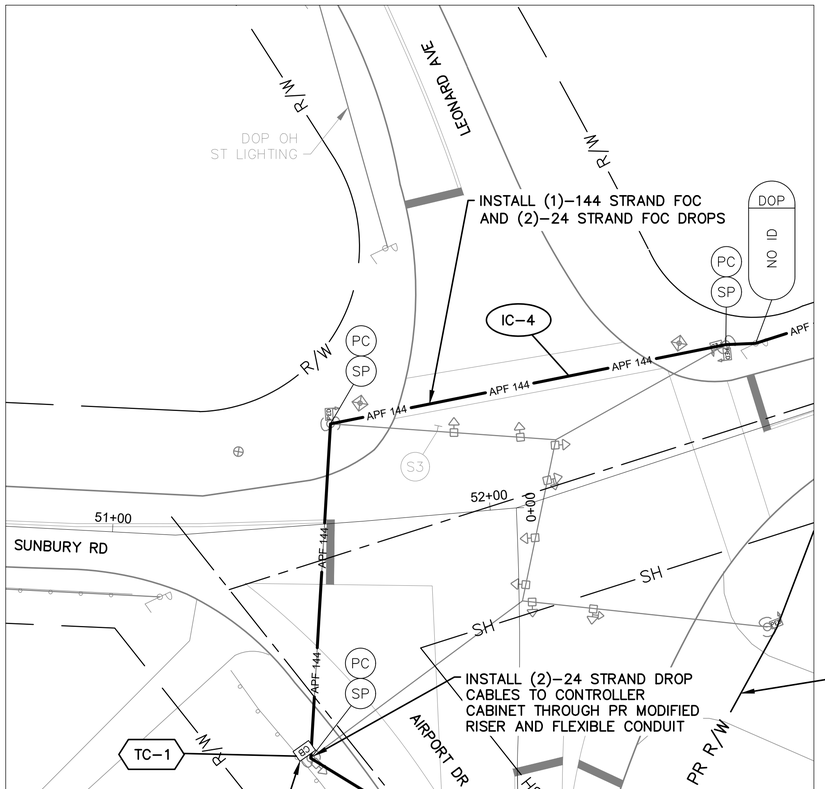
CITY OF COLUMBUS TRAFFIC SIGNAL SYSTEM
(CTSS) PHASE F – FINAL SUBMITTAL

201
768

J:\Jobs\70202 – CTSS Phase F\TECHPROD\Sheets\CTSS_PhF_Trunk3_FIFTH_JC_QUANTITIES.dwg – FIFTH Q6 layout ~ last saved by gburch 02/22/2022 09:45pm ~ printed 06/02/2022 10:12am PSLTS: 1 LTS: 1 CAS: 1:1



SUNBURY RD BETWEEN STATION 48+00 AND 54+00



DETAIL - INT 3100

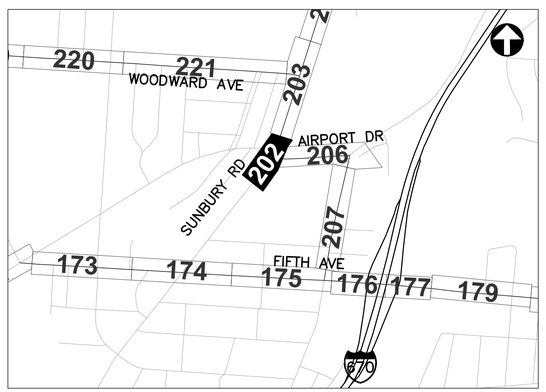
0 20 40
HORIZONTAL
SCALE IN FEET

NOTES:

1. SEE SHEET 205 FOR QUANTITIES.
2. SEE SHEETS 470 & 585 FOR COMMUNICATION DETAILS.
3. INSTALL NEW FLEXIBLE CONDUIT TO CABINET FOR PROPOSED DROP CABLE.
4. PROPOSED R/W ACQUISITION – SEE R/W PLANS SHEET 763 (2–WD).

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CITY OF COLUMBUS
UTILITY LEGEND
- ☐ SEWER
- ☐ WATER
- ☐ POWER
- ☒ LIGHTING



REFER TO SHEET 12 FOR INTERCONNECT SHEET INDEX

KEY PLAN
NOT TO SCALE

0 40 80
HORIZONTAL
SCALE IN FEET

CIP: 540007–100060
PID NUMBER: 110521

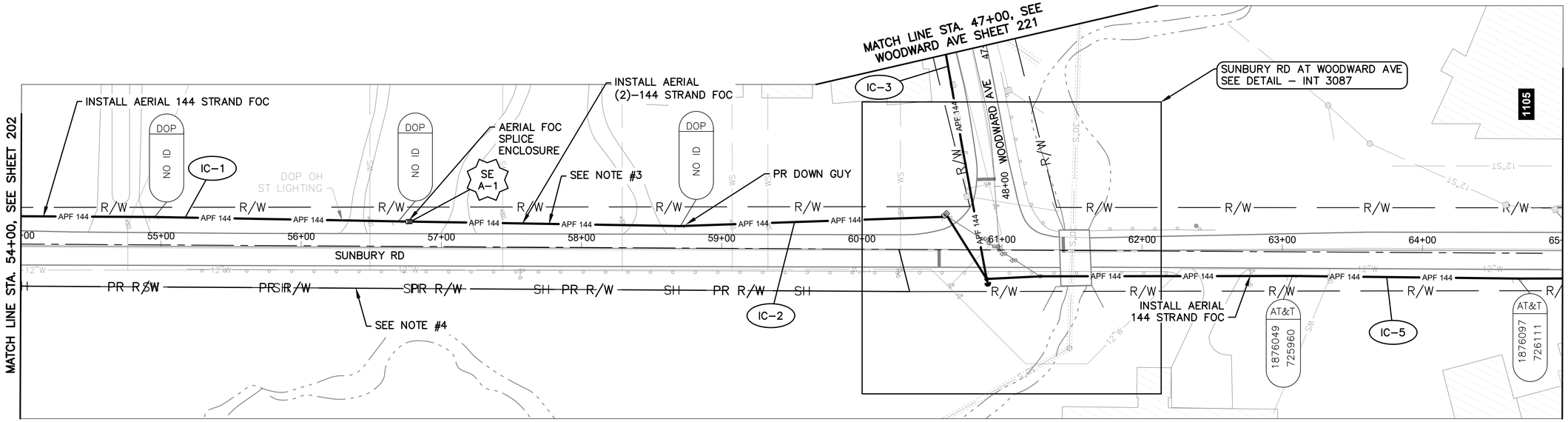
INTERCONNECT PLAN
SUNBURY RD BETWEEN STA. 48+00 AND 54+00, INT 3100

CITY OF COLUMBUS TRAFFIC SIGNAL SYSTEM
(CTSS) PHASE F – FINAL SUBMITTAL

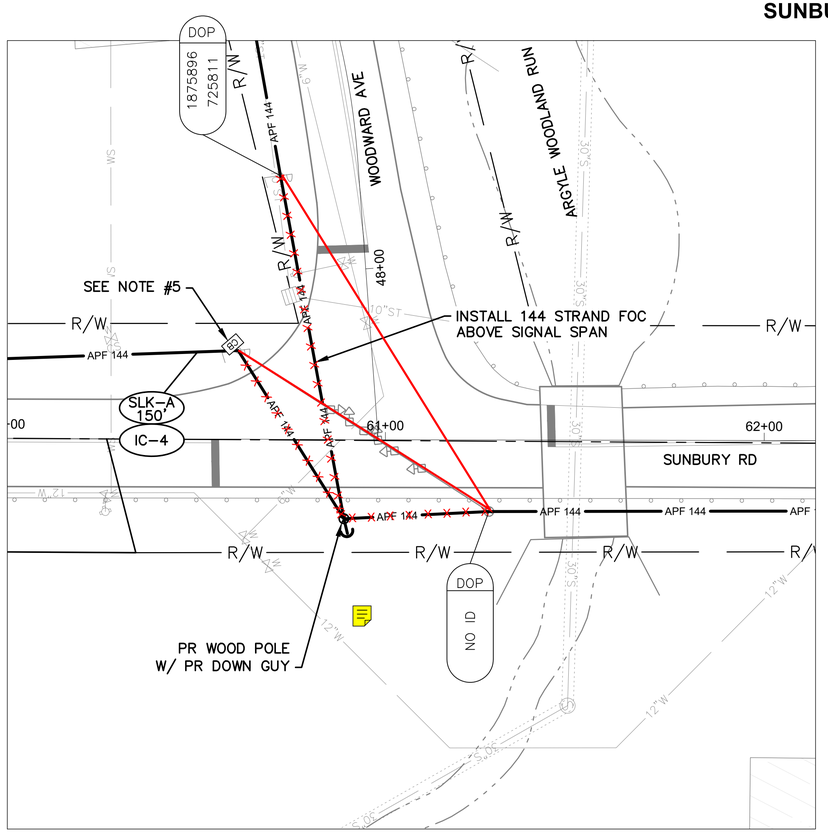
202
768

3676-E

J:\Jobs\70202 – CTSS Phase F\TECHPROD\Sheets\CTSS_PhF_Trunk3_SUNBURY_INTERCONNECT.dwg – SUNBURY–2 layout ~ last saved by: gburch 04/12/2022 10:49am ~ printed 06/02/2022 08:07am PSLTS: 1 LTS: 1 CAS: 1:1



SUNBURY RD BETWEEN STATION 54+00 AND 65+00



DETAIL - INT 3087

0 20 40
HORIZONTAL SCALE IN FEET

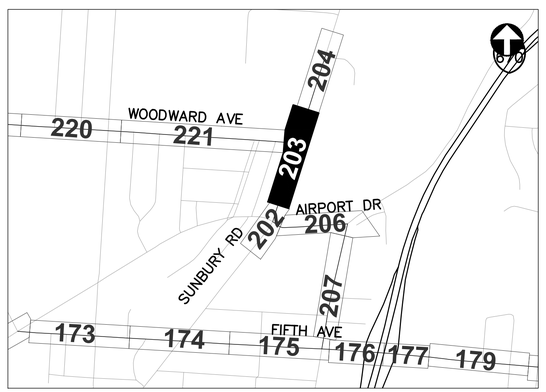
NOTES:

1. SEE SHEET 205 FOR QUANTITIES.
2. SEE SHEETS 470 & 586 FOR COMMUNICATION DETAILS.
3. INSTALL CABLE GUARD WHERE AERIAL OBSTRUCTIONS ARE PRESENT.
4. PROPOSED R/W ACQUISITION – SEE R/W PLANS SHEET 765 (2–WD).
5. NO PROPOSED NETWORK CONNECTION TO TRAFFIC SIGNAL AT INT 3087.

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☒	WATER
☐	POWER
☐	LIGHTING



REFER TO SHEET 12 FOR INTERCONNECT SHEET INDEX

KEY PLAN
NOT TO SCALE

0 40 80
HORIZONTAL SCALE IN FEET

CIP: 540007–100060
PID NUMBER: 110521

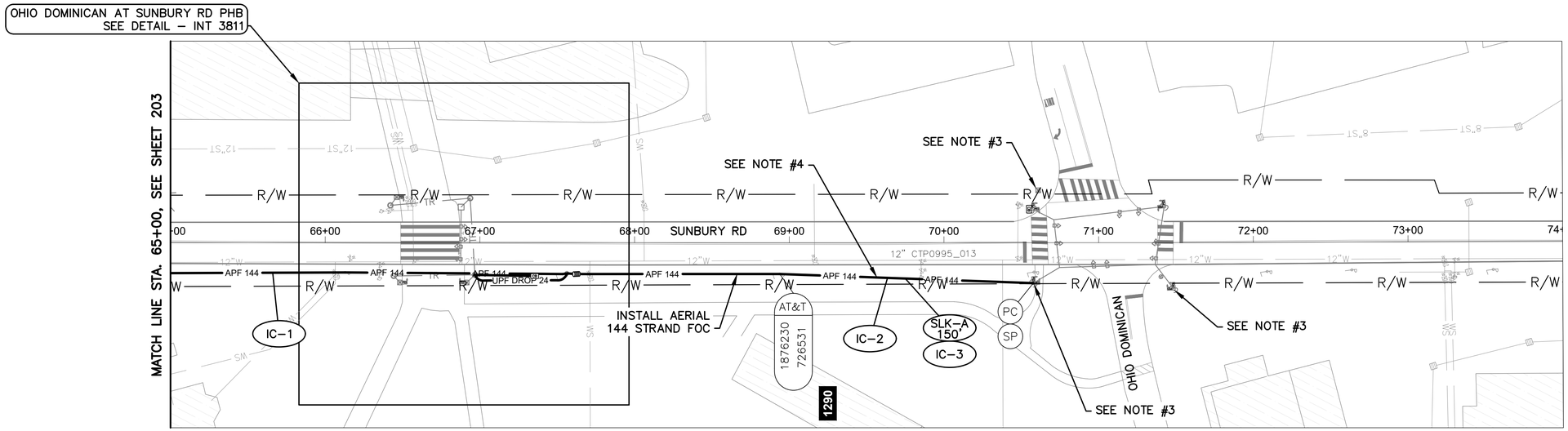
INTERCONNECT PLAN
SUNBURY RD BETWEEN STA. 54+00 AND 65+00, INT 3087

CITY OF COLUMBUS TRAFFIC SIGNAL SYSTEM
(CTSS) PHASE F – FINAL SUBMITTAL

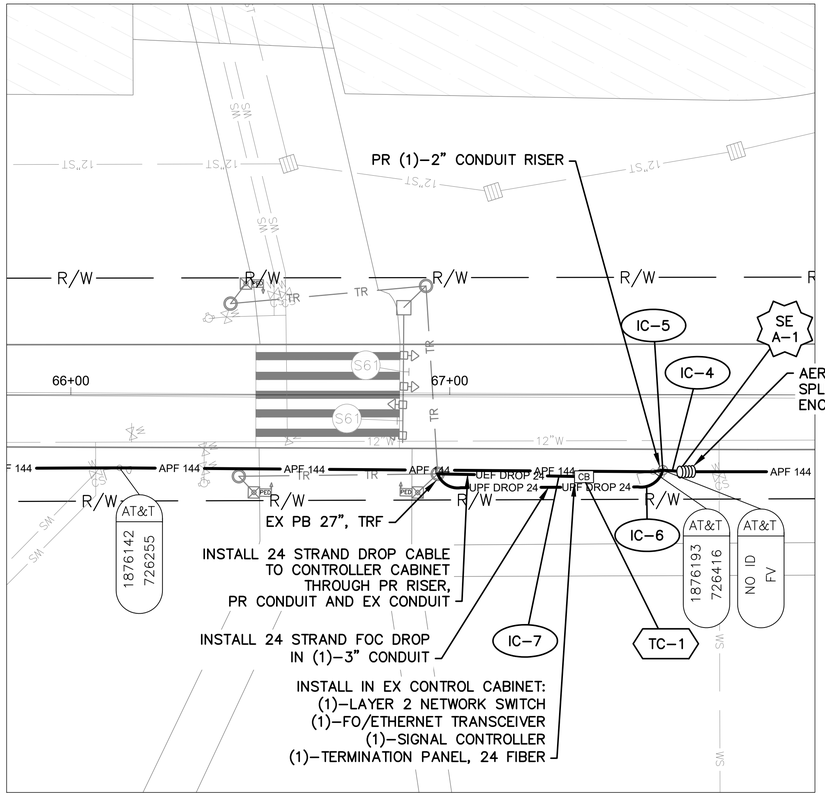
203
768

3676-E

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SUNBURY RD BETWEEN STATION 65+00 AND 74+00



DETAIL - INT 3811

0 20 40
HORIZONTAL
SCALE IN FEET

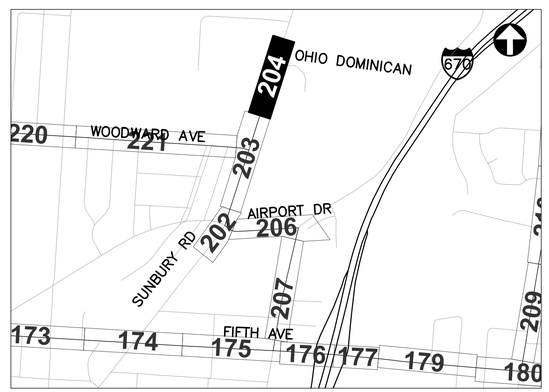
NOTES:

1. SEE SHEET 205 FOR QUANTITIES.
2. SEE SHEETS 470 & 587 FOR COMMUNICATION DETAILS.
3. SIGNAL MAINTENANCE AGREEMENT IN PLACE BETWEEN CITY OF COLUMBUS AND OHIO DOMINICAN COLLEGE FOR MAINTENANCE OF TRAFFIC SIGNAL AT INT 3086.
4. INSTALL CABLE GUARD WHERE AERIAL OBSTRUCTIONS ARE PRESENT.

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CITY OF COLUMBUS UTILITY LEGEND

- ☐ SEWER
- ☒ WATER
- ☐ POWER
- ☐ LIGHTING



REFER TO SHEET 12 FOR INTERCONNECT SHEET INDEX

KEY PLAN
NOT TO SCALE

3676-E

0 40 80
HORIZONTAL
SCALE IN FEET

CIP: 540007–100060
PID NUMBER: 110521

INTERCONNECT PLAN
SUNBURY RD BETWEEN STA. 65+00 AND 74+00, INT 3811

CITY OF COLUMBUS TRAFFIC SIGNAL SYSTEM
(CTSS) PHASE F – FINAL SUBMITTAL

204
768

J:\Jobs\70202 – CTSS Phase F\TECHPROD\Sheets\CTSS_PhF_Trunk3_SUNBURY_INTERCONNECT.dwg – SUNBURY–4 layout ~ last saved by: gburch 04/12/2022 10:49pm ~ printed 06/02/2022 08:09am PSLTS: 1 LTS: 1 CAS: 1:1

ESTIMATED QUANTITIES

	REFERENCE NO.	LOCATION	STATION		202	625	625	632	632	632	632	632	632	632	632	632	632	632	633	633	633		
					EXISTING CONDUIT CLEANED, AS PER PLAN	CONDUIT, 3", AS PER PLAN	TRENCH, 36" DEEP, AS PER PLAN	CONDUIT RISER, 2", 725.04, AS PER PLAN	DOWN GUY	INTERCONNECT CABLE, MISC.: FIBER OPTIC CABLE, 144 STRAND	INTERCONNECT CABLE, MISC.: FIBER OPTIC DROP CABLE, 24 STRAND	INTERCONNECT CABLE, MISC.: FIBER OPTIC FUSION SPLICE	INTERCONNECT CABLE, MISC.: OVERLASH TO EXISTING INTERCONNECT	INTERCONNECT CABLE, MISC.: REMOVE EXISTING OVERHEAD INTERCONNECT	INTERCONNECT CABLE, MISC.: TERMINATION PANEL, 24 FIBER	INTERCONNECT, MISC.: SPLICE ENCLOSURE, DOME, 288 SPLICE	INTERCONNECT, MISC.: SPLICE ENCLOSURE, DOME, 800 SPLICE	MESSENGER WIRE, 7 STRAND, 1/4" DIAMETER WITH ACCESSORIES, AS PER PLAN	WOOD POLE, CLASS 5, 35 FT	CONTROLLER ITEM, MISC.: FIBER OPTIC ETHERNET TRANSCEIVER, SHORT RANGE	CONTROLLER ITEM, MISC.: LAYER 2 ETHERNET SWITCH	CONTROLLER UNIT, TYPE TS2/A2, AS PER PLAN		
			FROM	TO	FT	FT	FT	EACH	EACH	FT	FT	EACH	FT	FT	EACH	EACH	EACH	FT	EACH	EACH	EACH	EACH		
SUNBURY RD. BETWEEN STA. 48+00 AND 54+00, INT 3100																								
202	TC-1	SUNBURY RD	51+48, 61' RT								40				2					3	1	1		
202	IC-4	SUNBURY RD	51+48, 61' RT	53+53, 21' LT							560													
202	IC-1	SUNBURY RD	51+48, 61' RT	51+99, 100' RT						65				65					65					
202	IC-2	SUNBURY RD	51+48, 61' RT	53+53, 21' LT						281									281					
202	SE A-1	SUNBURY RD	53+53, 21' LT							150	250	48				1								
202	IC-3	SUNBURY RD	53+53, 21' LT	54+00, 21' LT						47									47					
SUNBURY RD. BETWEEN STA. 54+00 AND 65+00																								
203	IC-1	SUNBURY RD	54+00, 21' LT	56+77, 18' LT						281									281					
203	SE A-1	SUNBURY RD	56+77, 18' LT							225		144					1							
203	IC-2	SUNBURY RD	56+77, 18' LT	60+89, 21' RT					1	886									443	1				
203	IC-4	SUNBURY RD	60+50, 23' LT							150														
203	IC-3	SUNBURY RD	60+53, 138' LT	60+89, 21' RT						165									165					
203	IC-5	SUNBURY RD	60+89, 21' RT	65+00, 20' RT						417									417					
SUNBURY RD. BETWEEN STA. 65+00 AND 74+00, INT 3811																								
204	IC-1	SUNBURY RD	65+00, 20' RT	67+62, 20' RT						266									266					
204	IC-6	SUNBURY RD	66+97, 21' RT	67+56, 20' RT		63	63				63													
204	IC-7	SUNBURY RD	66+97, 21' RT	67+35, 22' RT	39						39													
204	TC-1	SUNBURY RD	67+35, 22' RT								20				1					1	1	1		
204	IC-5	SUNBURY RD	67+56, 20' RT					1			35													
204	IC-4	SUNBURY RD	67+56, 20' RT	67+62, 20' RT							6		6											
204	SE A-1	SUNBURY RD	67+62, 20' RT							150	125	24				1								
204	IC-2	SUNBURY RD	67+62, 20' RT	70+58, 19' RT						300									300					
204	IC-3	SUNBURY RD	69+75, 23' RT							150														
SHEET TOTAL					39	63	63	1	1	3,533	1,138	216	6	65	3	2	1	2,265	1	4	2	2	-	-

AERIAL SAG: 1.5% AERIAL SAG IS INCLUDED IN THE QUANTITIES FOR ANY AERIAL FIBER OR CABLE ITEMS.

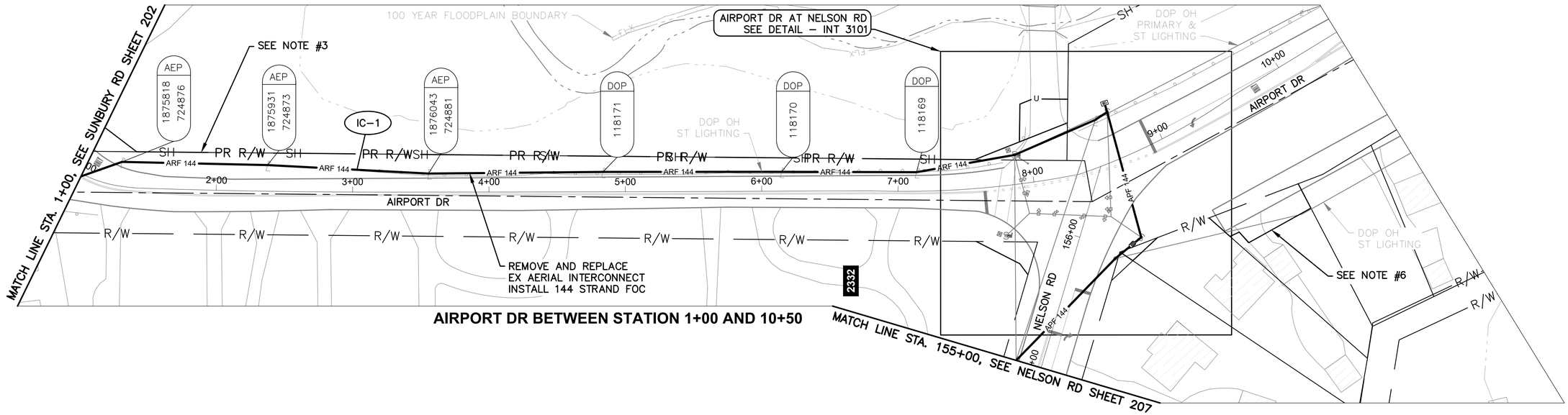
3676-E

CIP: 540007-100060
PID NUMBER: 110521

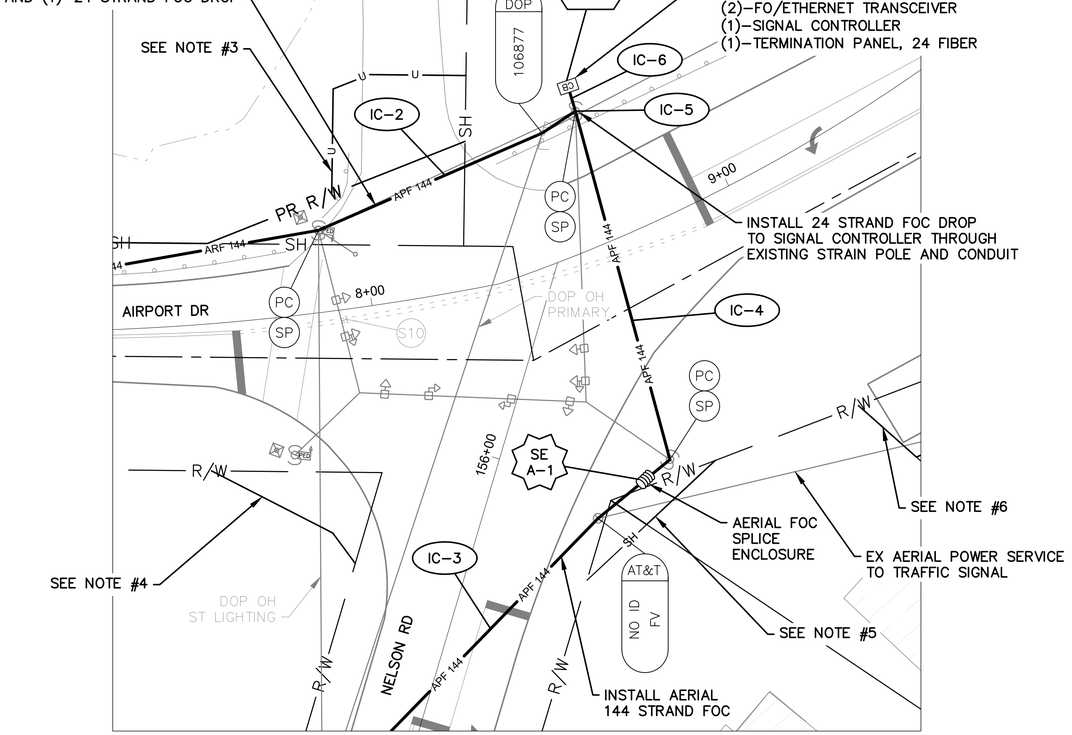
SUNBURY RD BETWEEN STA. 48+00 & 74+00
INTS 3100 AND 3811

CITY OF COLUMBUS TRAFFIC SIGNAL SYSTEM
(CTSS) PHASE F – FINAL SUBMITTAL

J:\Jobs\70202 – CTSS Phase F\TECHPROD\Sheets\CTSS_PhF_Trunk3_SUNBURY_IC_QUANTITIES.dwg – SUNBURY RD Q2 layout ~ last saved by: gburch 02/22/2022 09:45pm ~ printed 06/02/2022 10:13am PSLTS: 1 LTS: 1 CAS: 1:1



AIRPORT DR BETWEEN STATION 1+00 AND 10+50

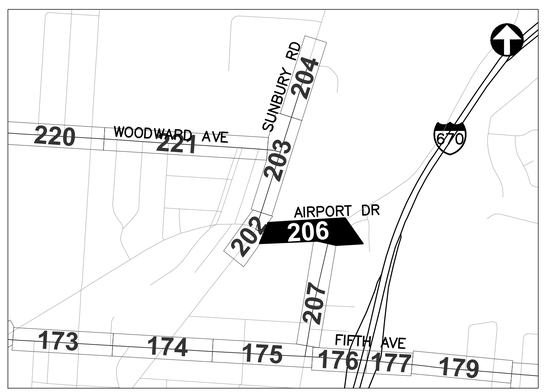


DETAIL - INT 3101

0 20 40
HORIZONTAL SCALE IN FEET

NOTES:

1. SEE SHEET 208 FOR QUANTITIES.
2. SEE SHEETS 470 & 584 FOR COMMUNICATION DETAILS.
3. PROPOSED R/W ACQUISITION AND UTILITY EASEMENT – SEE R/W PLANS SHEET 764 (2–U).
4. PROPOSED R/W ACQUISITION AND UTILITY EASEMENT – SEE R/W PLANS SHEET 764 (3–WD).
5. PROPOSED R/W ACQUISITION AND UTILITY EASEMENT – SEE R/W PLANS SHEET 764 (5–WD1).
6. PROPOSED R/W ACQUISITION AND UTILITY EASEMENT – SEE R/W PLANS SHEET 764 (5–WD2).



REFER TO SHEET 12 FOR INTERCONNECT SHEET INDEX

KEY PLAN
NOT TO SCALE

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CITY OF COLUMBUS UTILITY LEGEND
- ☐ SEWER
- ☐ WATER
- ☒ POWER
- ☒ LIGHTING

0 40 80
HORIZONTAL SCALE IN FEET

CIP: 540007–100060
PID NUMBER: 110521

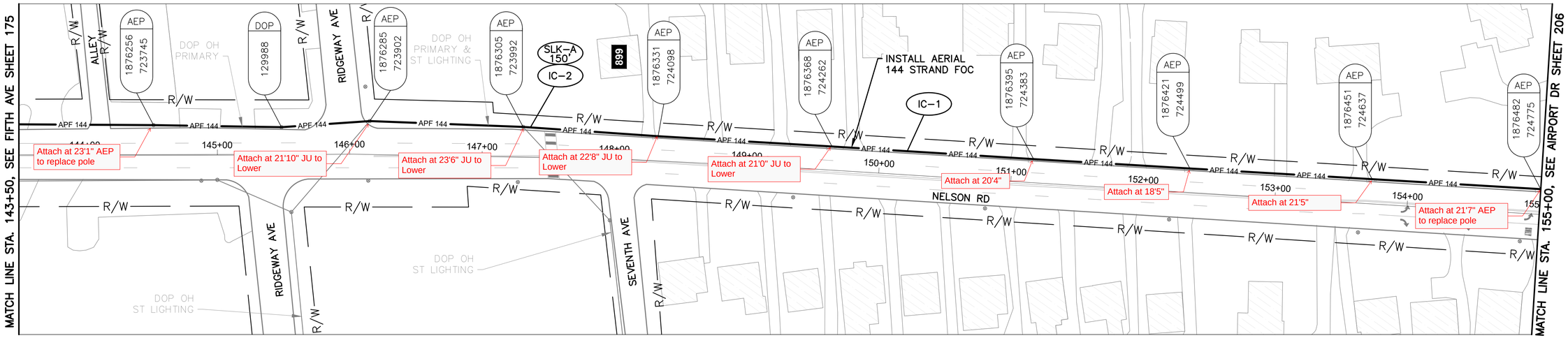
INTERCONNECT PLAN
AIRPORT DR BETWEEN STA. 1+00 AND 10+50, INT 3101

CITY OF COLUMBUS TRAFFIC SIGNAL SYSTEM
(CTSS) PHASE F – FINAL SUBMITTAL

3676-E

206
768

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NELSON RD BETWEEN STATION 143+50 AND 155+00

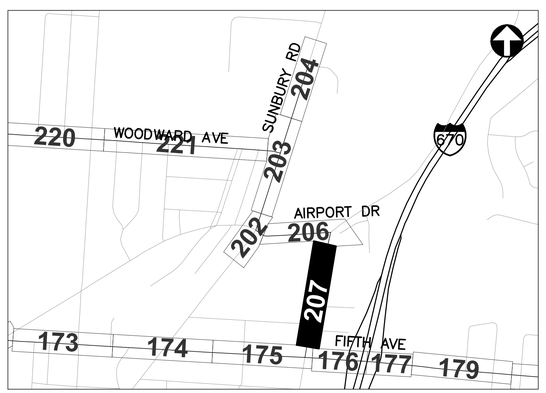
NOTES:

1. SEE SHEET 208 FOR QUANTITIES.
2. SEE SHEET 470 FOR COMMUNICATION DETAILS.

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- ☐ SEWER
- ☐ WATER
- ☒ POWER
- ☒ LIGHTING



REFER TO SHEET 12 FOR INTERCONNECT SHEET INDEX

KEY PLAN
NOT TO SCALE

3676-E

HORIZONTAL SCALE IN FEET
0 40 80

CIP: 540007-100060
PID NUMBER: 110521

INTERCONNECT PLAN
NELSON RD BETWEEN STA. 143+50 AND 155+00

CITY OF COLUMBUS TRAFFIC SIGNAL SYSTEM
(CTSS) PHASE F – FINAL SUBMITTAL

207
768

J:\Jobs\70202 - CTSS Phase F\TECHPROD\Sheets\CTSS_PhF_Trunk3_AIRPORT_INTERCONNECT.dwg - NELSON-1 layout ~ last saved by: gburch 05/26/2022 11:26pm ~ printed 06/02/2022 09:12am PSLTS: 1 LTS: 1 CAS: 1:1

ESTIMATED QUANTITIES

SHEET NO.	REFERENCE NO.	LOCATION	STATION		202	632	632	632	632	632	632	632	633	633	633									
					EXISTING CONDUIT CLEANED, AS PER PLAN	INTERCONNECT CABLE, MISC.: FIBER OPTIC CABLE, 144 STRAND	INTERCONNECT CABLE, MISC.: FIBER OPTIC DROP CABLE, 24 STRAND	INTERCONNECT CABLE, MISC.: FIBER OPTIC FUSION SPLICE	INTERCONNECT CABLE, MISC.: REMOVE EXISTING OVERHEAD INTERCONNECT	INTERCONNECT CABLE, MISC.: TERMINATION PANEL, 24 FIBER	INTERCONNECT, MISC.: SPLICE ENCLOSURE, DOME, 288 SPLICE	MESSENGER WIRE, 7 STRAND, 1/4" DIAMETER WITH ACCESSORIES, AS PER PLAN	CONTROLLER ITEM, MISC.: FIBER OPTIC ETHERNET TRANSCEIVER, SHORT RANGE	CONTROLLER ITEM, MISC.: LAYER 2 ETHERNET SWITCH	CONTROLLER UNIT, TYPE TS2/A2, AS PER PLAN								
			FROM	TO	FT	FT	FT	EACH	FT	EACH	EACH	FT	EACH	EACH	EACH									
AIRPORT DR. BETWEEN STA. 1+00 AND 10+50, INT 3101																								
206	IC-1	AIRPORT DR	1+00, 2' LT	7+88, 22' LT		697			697			697												
206	IC-3	AIRPORT DR	7+73, 128' RT	8+52, 62' RT		122						122												
206	IC-2	AIRPORT DR	7+88, 22' LT	8+52, 62' RT		182						182												
206	SE A-1	AIRPORT DR	8+52, 62' RT			150	125	24			1													
206	IC-4	AIRPORT DR	8+52, 62' RT	8+70, 35' LT			106																	
206	IC-5	AIRPORT DR	8+70, 35' LT				35																	
206	IC-6	AIRPORT DR	8+70, 35' LT	8+71, 42' LT	7		7																	
206	TC-1	AIRPORT DR	8+71, 42' LT				20			1			2	1	1									
NELSON RD. BETWEEN STA. 143+50 AND 155+00																								
207	IC-1	NELSON RD	143+50, 23' LT	155+00, 19' LT		1,167						1,167												
207	IC-2	NELSON RD	147+36, 23' LT			150																		
SHEET TOTAL					7	2,468	293	24	697	1	1	2,168	2	1	1	-	-	-	-	-	-	-	-	-

AERIAL SAG: 1.5% AERIAL SAG IS INCLUDED IN THE QUANTITIES FOR ANY AERIAL FIBER OR CABLE ITEMS.

3676-E

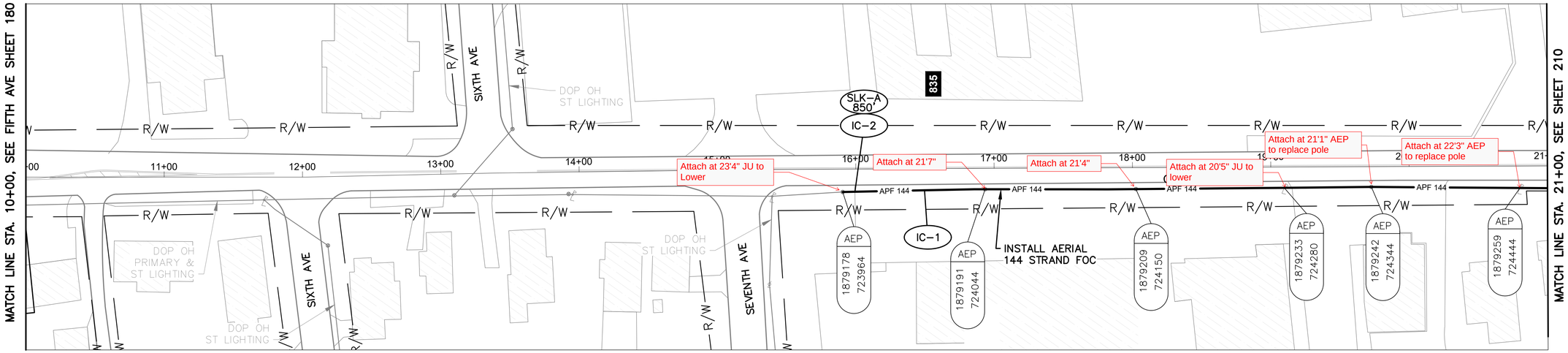
CIP: 540007-100060
PID NUMBER: 110521

AIRPORT DR BETWEEN STA. 1+00 & 10+50 AND NELSON RD
BETWEEN STA. 143+50 & 155+00, INT 3101

CITY OF COLUMBUS TRAFFIC SIGNAL SYSTEM
(CTSS) PHASE F – FINAL SUBMITTAL

208
768

J:\Jobs\70202 – CTSS Phase F\TECHPROD\Sheets\CTSS_PhF_Trunk3_AIRPORT_IC_QUANTITIES.dwg – AIRPORT DR Q1 layout ~ last saved by: robevans 02/22/2022 09:45pm ~ printed 06/02/2022 10:14am PSLTS: 1 LTS: 1 CAS: 1:1



CASSADY AVE BETWEEN STATION 10+00 AND 21+00

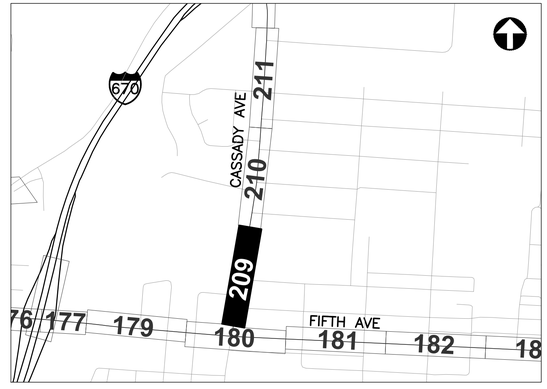
NOTES:

1. SEE SHEET 215 FOR QUANTITIES.
2. SEE SHEET 471 FOR COMMUNICATION DETAILS.
3. COORDINATE WITH CITY OF COLUMBUS PROJECT DR-E 3533, CASSADY AVENUE, PID 107532.

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www.oups.org

CITY OF COLUMBUS UTILITY LEGEND

- ☐ SEWER
- ☐ WATER
- ☐ POWER
- ☐ LIGHTING



REFER TO SHEET 12 FOR INTERCONNECT SHEET INDEX

KEY PLAN
NOT TO SCALE

HORIZONTAL SCALE IN FEET
0 40 80

CIP: 540007-100060
PID NUMBER: 110521

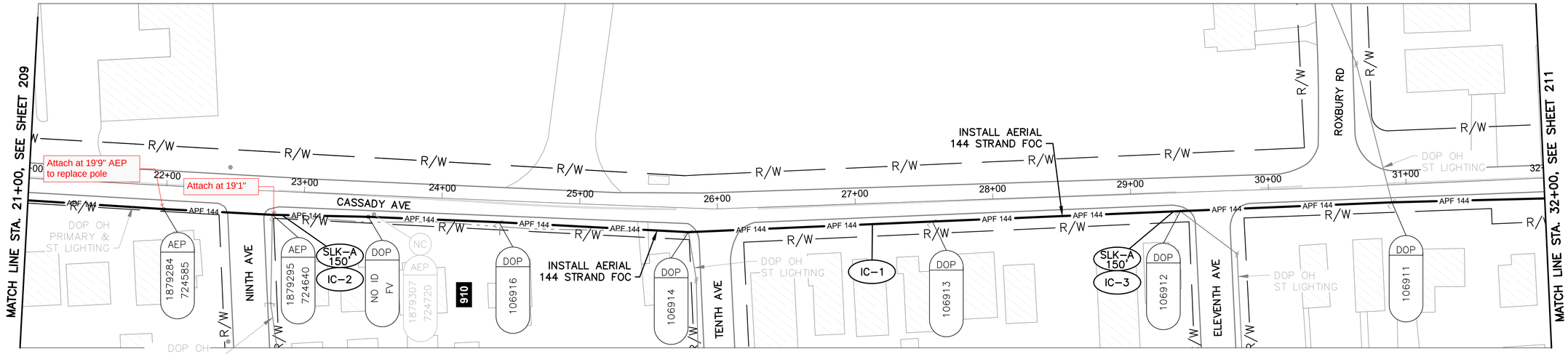
INTERCONNECT PLAN
CASSADY AVE BETWEEN STA. 10+00 AND 21+00

CITY OF COLUMBUS TRAFFIC SIGNAL SYSTEM
(CTSS) PHASE F - FINAL SUBMITTAL

209
768

3676-E

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CASSADY AVE BETWEEN STATION 21+00 AND 32+00

NOTES:

1. SEE SHEET 215 FOR QUANTITIES.
2. SEE SHEET 471 FOR COMMUNICATION DETAILS.

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CITY OF COLUMBUS UTILITY LEGEND

- ☐ SEWER
- ☐ WATER
- ☒ POWER
- ☒ LIGHTING



REFER TO SHEET 12 FOR INTERCONNECT SHEET INDEX

KEY PLAN
NOT TO SCALE

3676-E

HORIZONTAL SCALE IN FEET
0 40 80

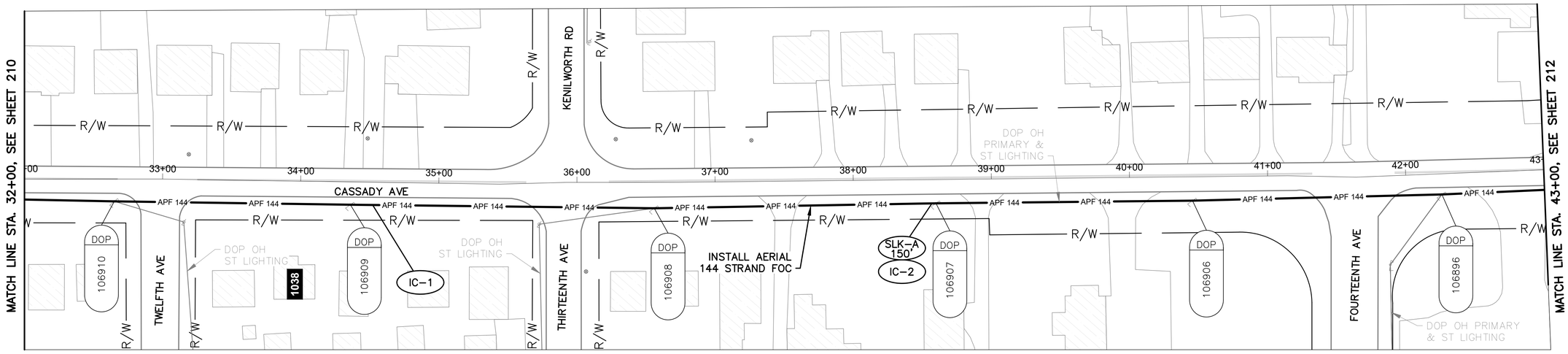
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INTERCONNECT PLAN
CASSADY AVE BETWEEN STA. 21+00 AND 32+00

CITY OF COLUMBUS TRAFFIC SIGNAL SYSTEM
(CTSS) PHASE F – FINAL SUBMITTAL

210
768

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CASSADY AVE BETWEEN STATION 32+00 AND 43+00

NOTES:

1. SEE SHEET 215 FOR QUANTITIES.
2. SEE SHEET 471 FOR COMMUNICATION DETAILS.

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CITY OF COLUMBUS UTILITY LEGEND

- ☐ SEWER
- ☐ WATER
- ☒ POWER
- ☒ LIGHTING



REFER TO SHEET 12 FOR INTERCONNECT SHEET INDEX

KEY PLAN
NOT TO SCALE

3676-E

HORIZONTAL SCALE IN FEET
0 40 80

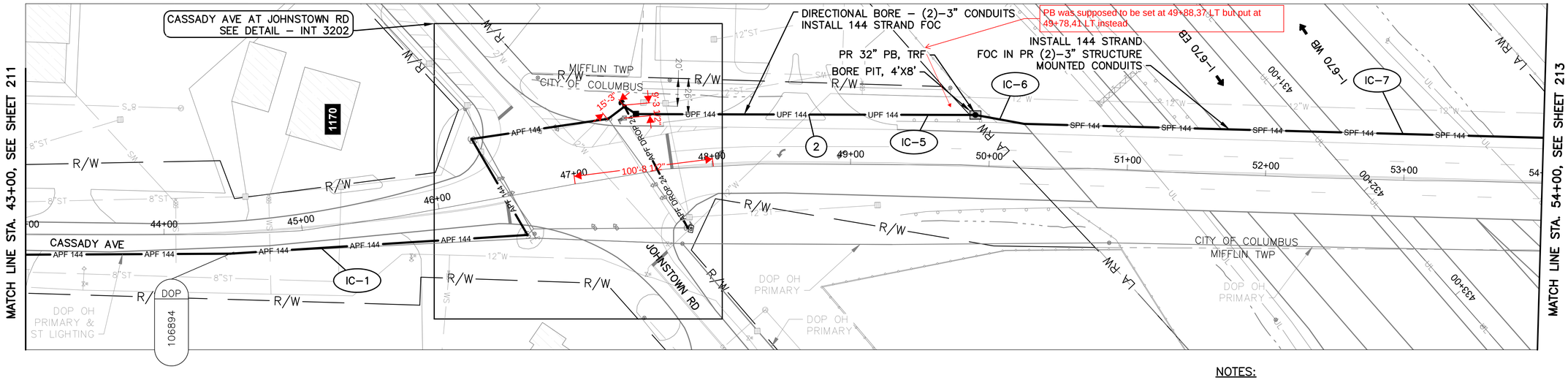
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INTERCONNECT PLAN
CASSADY AVE BETWEEN STA. 32+00 AND 43+00

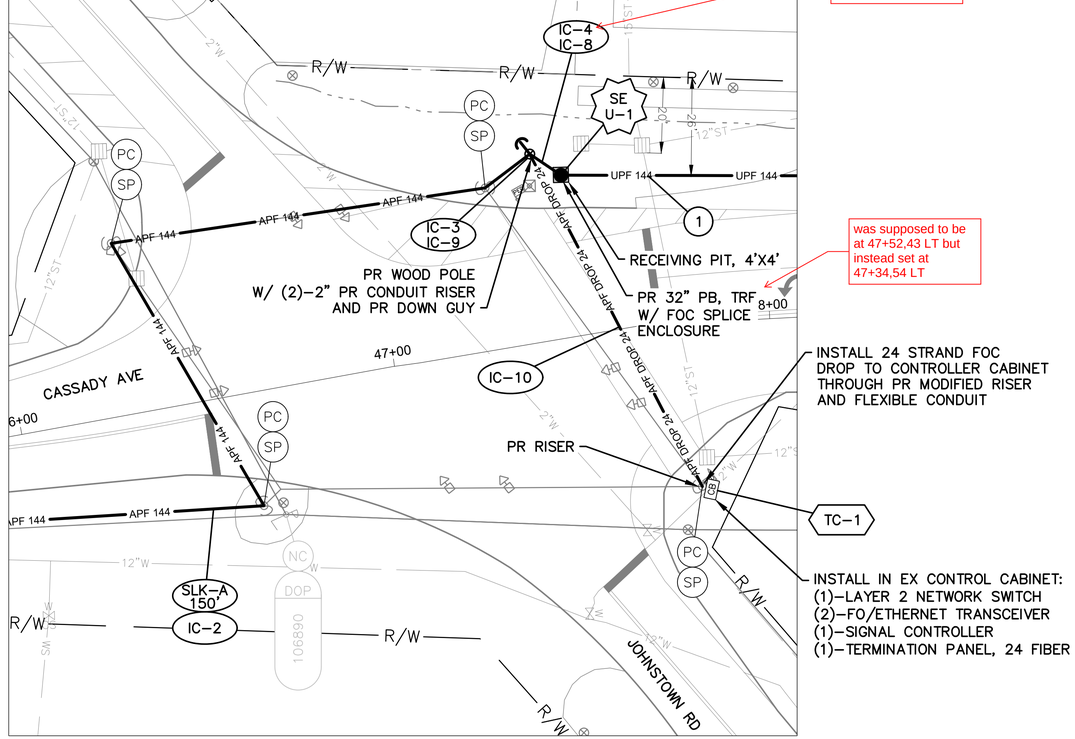
CITY OF COLUMBUS TRAFFIC SIGNAL SYSTEM
(CTSS) PHASE F – FINAL SUBMITTAL

211
768

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CASSADY AVE BETWEEN STATION 43+00 AND 54+00



DETAIL - INT 3202

0 20 40
HORIZONTAL
SCALE IN FEET

NOTES:

1. SEE SHEET 215 FOR QUANTITIES.
2. SEE SHEETS 471 & 596 FOR COMMUNICATION DETAILS.
3. SEE SHEET 45 FOR BRIDGE ATTACHMENT DETAILS.
4. INSTALL NEW FLEXIBLE CONDUIT TO CABINET FOR PROPOSED DROP CABLE.
5. ADDITIONAL DROP CABLE SLACK ADDED AT SPLICE LOCATION, CONTROLLER AND THE TOP OF THE WOOD POLE ON THE NORTHWEST CORNER OF THE INTERSECTION IN EVENT OF FUTURE SIGNAL REBUILD.

(#) EXISTING UTILITY CROSSING.
SEE UTILITY CROSSING INFO
SHEET 19.

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www.oups.org

CITY OF COLUMBUS
UTILITY LEGEND

- SEWER
- WATER
- POWER
- LIGHTING



REFER TO SHEET 12 FOR
INTERCONNECT SHEET INDEX

KEY PLAN
NOT TO SCALE

0 40 80
HORIZONTAL
SCALE IN FEET

CIP: 540007–100060
PID NUMBER: 110521

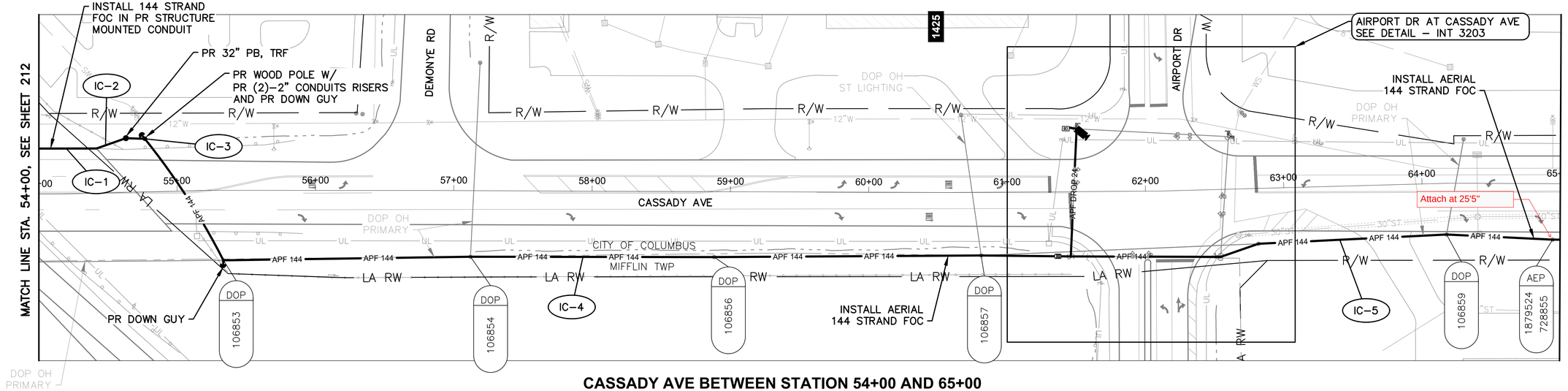
INTERCONNECT PLAN
CASSADY AVE BETWEEN STA. 43+00 AND 54+00, INT 3202

CITY OF COLUMBUS TRAFFIC SIGNAL SYSTEM
(CTSS) PHASE F – FINAL SUBMITTAL

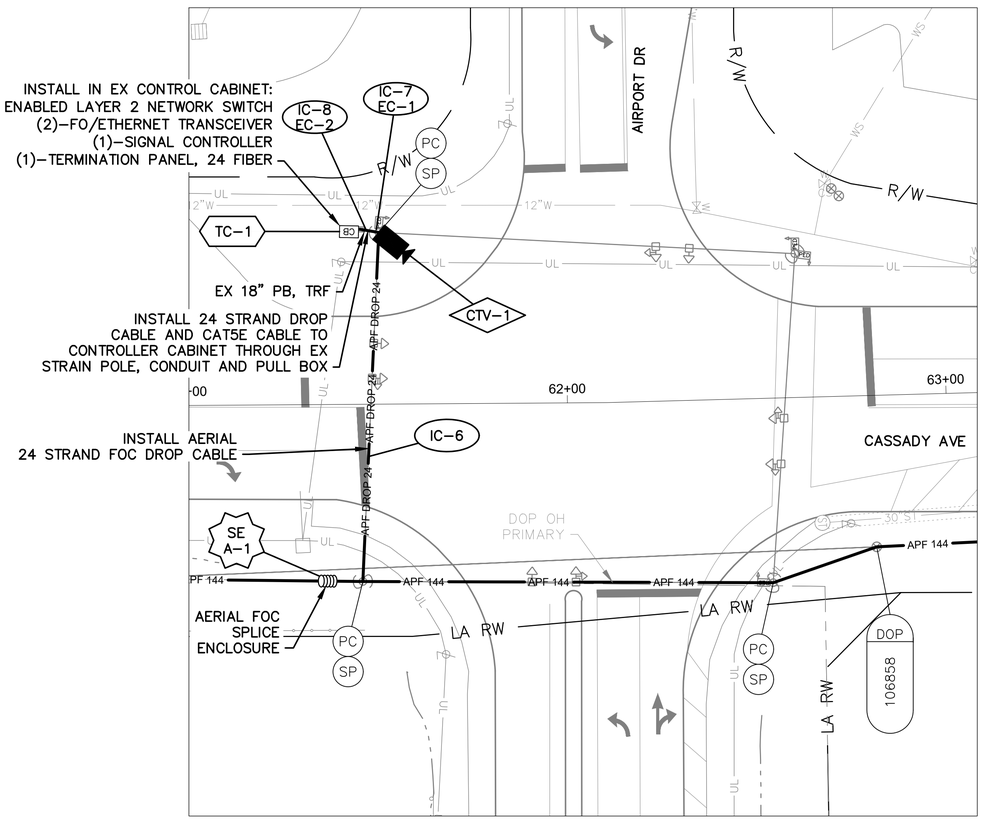
3676-E

212
768

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CASSADY AVE BETWEEN STATION 54+00 AND 65+00



DETAIL - INT 3203

0 20 40
HORIZONTAL SCALE IN FEET

NOTES:

1. SEE SHEET 215 FOR QUANTITIES.
2. SEE SHEETS 471 & 597 FOR COMMUNICATION DETAILS.
3. SEE SHEET 45 FOR BRIDGE ATTACHMENT DETAILS.
4. SEE SHEET 50 FOR CCTV MOUNTING DETAILS.

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CITY OF COLUMBUS UTILITY LEGEND

☐	SEWER
☐	WATER
☒	POWER
☒	LIGHTING



REFER TO SHEET 12 FOR INTERCONNECT SHEET INDEX

KEY PLAN
NOT TO SCALE

0 40 80
HORIZONTAL SCALE IN FEET

CIP: 540007-100060
PID NUMBER: 110521

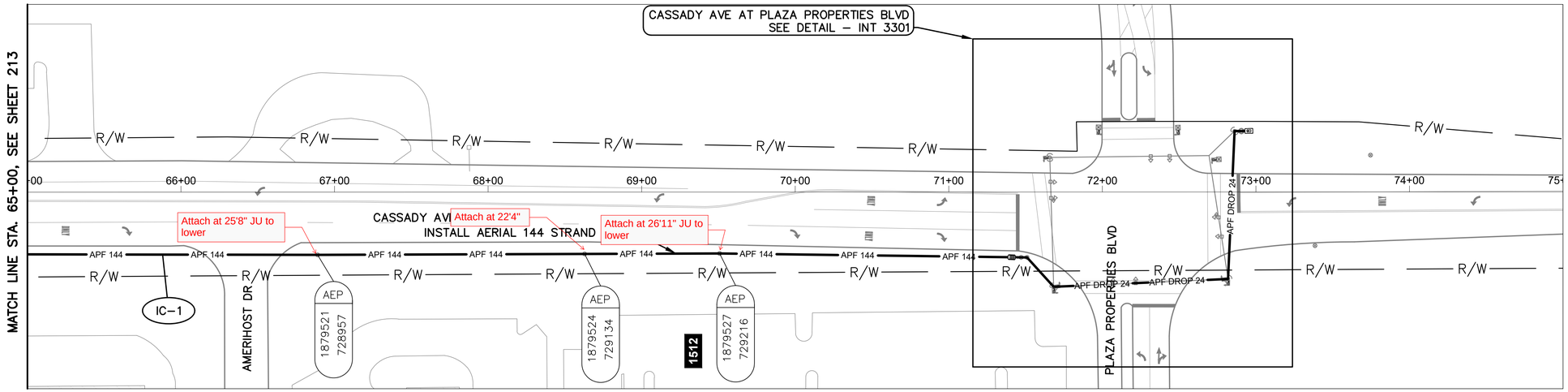
INTERCONNECT PLAN
CASSADY AVE BETWEEN STA. 54+00 AND 65+00, INT 3203

CITY OF COLUMBUS TRAFFIC SIGNAL SYSTEM
(CTSS) PHASE F - FINAL SUBMITTAL

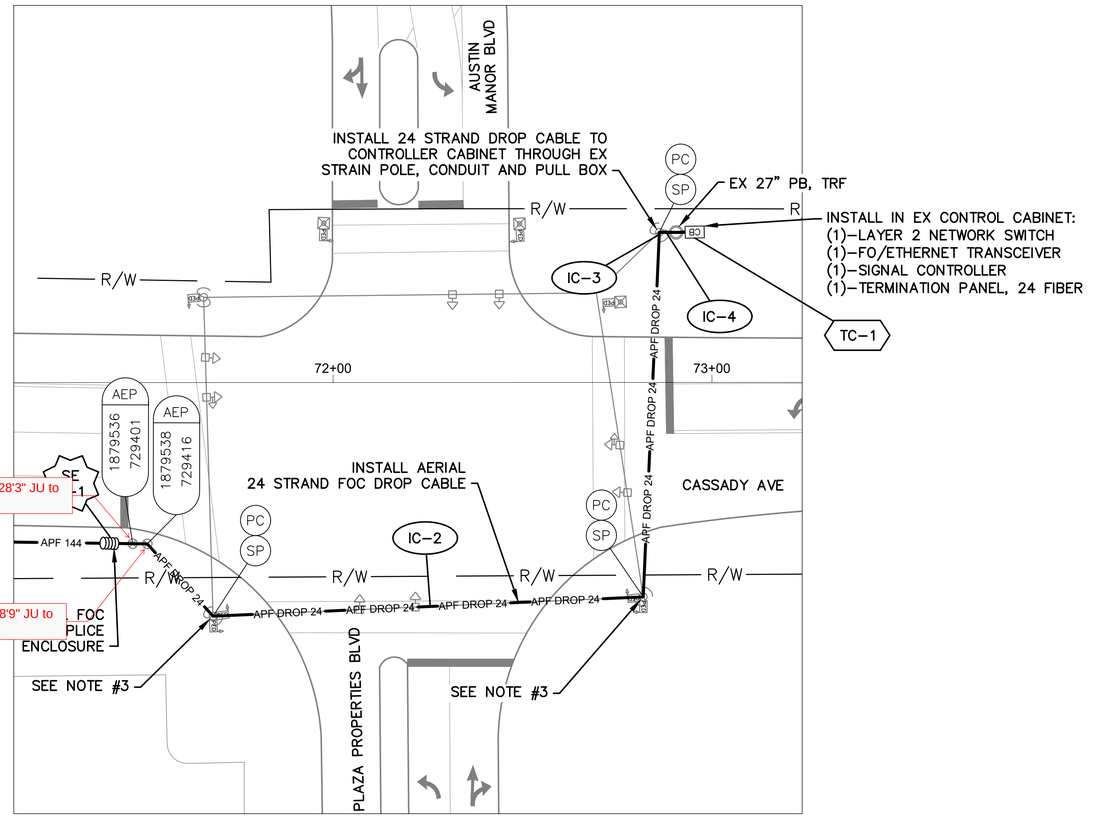
213
768

3676-E

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CASSADY AVE BETWEEN STATION 65+00 AND 75+00



DETAIL - INT 3301

0 20 40

HORIZONTAL SCALE IN FEET

NOTES:

1. SEE SHEET 215 FOR QUANTITIES.
2. SEE SHEETS 471 & 598 FOR COMMUNICATION DETAILS.
3. SIGNAL MAINTENANCE AGREEMENT IN PLACE BETWEEN CITY OF COLUMBUS AND CASSADY RETAIL VENTURES, LTD FOR MAINTENANCE OF TRAFFIC SIGNAL AT INT 3301.

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CITY OF COLUMBUS UTILITY LEGEND

- ☐ SEWER
- ☐ WATER
- ☐ POWER
- ☐ LIGHTING



REFER TO SHEET 12 FOR INTERCONNECT SHEET INDEX

KEY PLAN
NOT TO SCALE

0 40 80

HORIZONTAL SCALE IN FEET

CIP: 540007–100060
PID NUMBER: 110521

INTERCONNECT PLAN
CASSADY AVE BETWEEN STA. 65+00 AND 75+00, INT 3301

CITY OF COLUMBUS TRAFFIC SIGNAL SYSTEM
(CTSS) PHASE F – FINAL SUBMITTAL

3676-E

214
768

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ESTIMATED QUANTITIES

SHEET NO.	REFERENCE NO.	LOCATION	STATION		202	625	625	625	625	625	632	632	632	632	632	632	632	632	632	633	633	633	633
					EXISTING CONDUIT CLEANED, AS PER PLAN	CONDUIT, CONCRETE ENCASED, 2-3", 725.051, AS PER PLAN	CONDUIT, JACKED OR DRILLED, 3", AS PER PLAN	CONDUIT, MISC.: 4" CONDUIT, FIBER-GLASS REINFORCED, ATTACHED TO STRUCTURE	PULL BOX, CONCRETE 32", AS PER PLAN	TRENCH, 36" DEEP, AS PER PLAN	CONDUIT RISER, 2", 725.04, AS PER PLAN	DOWN GUY	INTERCONNECT CABLE, MISC.: FIBER OPTIC CABLE, 144 STRAND	INTERCONNECT CABLE, MISC.: FIBER OPTIC DROP CABLE, 24 STRAND	INTERCONNECT CABLE, MISC.: FIBER OPTIC FUSION SPLICE	INTERCONNECT CABLE, MISC.: TERMINATION PANEL, 24 FIBER	INTERCONNECT, MISC.: CAT 5E CABLE, OUTDOOR RATED	INTERCONNECT, MISC.: SPLICE ENCLOSURE, DOME, 288 SPLICE	MESSENGER WIRE, 7 STRAND, 1/4" DIAMETER WITH ACCESSORIES, AS PER PLAN	SIGNALIZATION, MISC.: CCTV IP-CAMERA SYSTEM	WOOD POLE, CLASS 5, 35 FT	CONTROLLER ITEM, MISC.: FIBER OPTIC ETHERNET TRANSCEIVER, SHORT RANGE	CONTROLLER ITEM, MISC.: LAYER 2 ETHERNET SWITCH	CONTROLLER ITEM, MISC.: POE ENABLED LAYER 2 ETHERNET SWITCH	CONTROLLER UNIT, TYPE TS2/A2, AS PER PLAN
			FROM	TO	FT	FT	FT	FT	EACH	FT	EACH	EACH	FT	FT	EACH	EACH	FT	EACH	FT	EACH	EACH	EACH	EACH	EACH
CASSADY RD. BETWEEN STA. 10+00 AND 21+00																								
209	IC-1	CASSADY RD	15+90, 16' RT	21+00, 16' RT									518						518					
209	IC-2	CASSADY RD	15+99, 16' RT										850											
CASSADY RD. BETWEEN STA. 21+00 AND 32+00																								
210	IC-1	CASSADY RD	21+00, 16' RT	32+00, 15' RT									1,119						1,119					
210	IC-2	CASSADY RD	22+84, 17' RT										150											
210	IC-3	CASSADY RD	29+31, 13' RT										150											
CASSADY RD. BETWEEN STA. 32+00 AND 43+00																								
211	IC-1	CASSADY RD	32+00, 15' RT	43+00, 15' RT									1,118						1,118					
211	IC-2	CASSADY RD	38+57, 17' RT										250											
CASSADY RD. BETWEEN STA. 43+00 AND 54+00, INT 3202																								
212	IC-1	CASSADY RD	43+00, 15' RT	47+45, 50' LT									563						563					
212	IC-2	CASSADY RD	46+50, 31' RT										150											
212	IC-10	CASSADY RD	47+45, 50' LT	47+80, 43' RT										100					100					
212	IC-3	CASSADY RD	47+45, 50' LT								2		35								1			
212	IC-9	CASSADY RD	47+45, 50' LT											35							1			
212	IC-4	CASSADY RD	47+45, 50' LT	47+52, 43' LT		10				10			10											
212	IC-8	CASSADY RD	47+45, 50' LT	47+52, 43' LT										10										
212	SE U-1	CASSADY RD	47+52, 43' LT						1				150	175	24			1						
212	IC-5	CASSADY RD	47+52, 43' LT	49+88, 37' LT			245		1				245											
212	TC-1	CASSADY RD	47+80, 43' RT								2			85		1						2	1		1
212	IC-6	CASSADY RD	49+88, 37' LT	50+25, 32' LT		36				36			36											
212	IC-7	CASSADY RD	50+25, 32' LT	54+00, 33' LT				375					375											
CASSADY RD. BETWEEN STA. 54+00 AND 65+00, INT 3203																								
213	IC-1	CASSADY RD	54+00, 33' LT	54+42, 32' LT				41					41											
213	IC-2	CASSADY RD	54+42, 32' LT	54+78, 38' LT		36			1	36			36											
213	IC-3	CASSADY RD	54+78, 38' LT								2	1	35								1			
213	IC-4	CASSADY RD	54+78, 38' LT	61+36, 47' RT								1	719						719					
213	SE A-1	CASSADY RD	61+36, 47' RT										150	125	24			1						
213	IC-5	CASSADY RD	61+36, 47' RT	65+00, 40' RT									370						370					
213	IC-6	CASSADY RD	61+36, 47' RT	61+50, 45' LT										103					103					
213	IC-8	CASSADY RD	61+42, 46' LT	61+50, 45' LT	8									8										
213	TC-1	CASSADY RD	61+42, 46' LT											20		1	20					2		1	1
213	EC-2	CASSADY RD	61+42, 46' LT	61+50, 45' LT													8								
213	CTV-1	CASSADY RD	61+50, 45' LT																	1					
213	EC-1	CASSADY RD	61+50, 45' LT														35								
213	IC-7	CASSADY RD	61+50, 45' LT											35											
CASSADY RD. BETWEEN STA. 65+00 AND 75+00, INT 3301																								
214	IC-1	CASSADY RD	65+00, 40' RT	71+40, 42' RT									651						651					
214	SE A-1	CASSADY RD	71+40, 42' RT										75	125	12			1						
214	IC-2	CASSADY RD	71+40, 42' RT	72+86, 40' LT										250					250					
214	IC-3	CASSADY RD	72+86, 40' LT											35										
214	IC-4	CASSADY RD	72+86, 40' LT	72+95, 40' LT	9									9										
214	TC-1	CASSADY RD	72+95, 40' LT											20		1						1	1		1
SHEET TOTAL					17	82	245	416	3	82	6	2	7,796	1,135	60	3	63	3	5,511	1	3	5	2	1	3

AERIAL SAG: 1.5% AERIAL SAG IS INCLUDED IN THE QUANTITIES FOR ANY AERIAL FIBER OR CABLE ITEMS.

3676-E

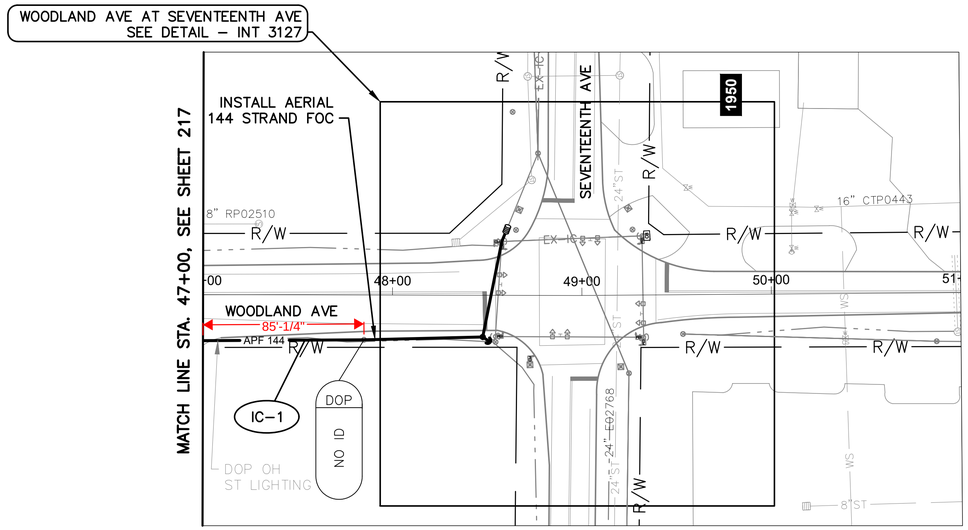
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PID NUMBER: 110521

CASSADY AVE BETWEEN STA. 10+00 & 75+00
INTS 3202, 3203, AND 3301

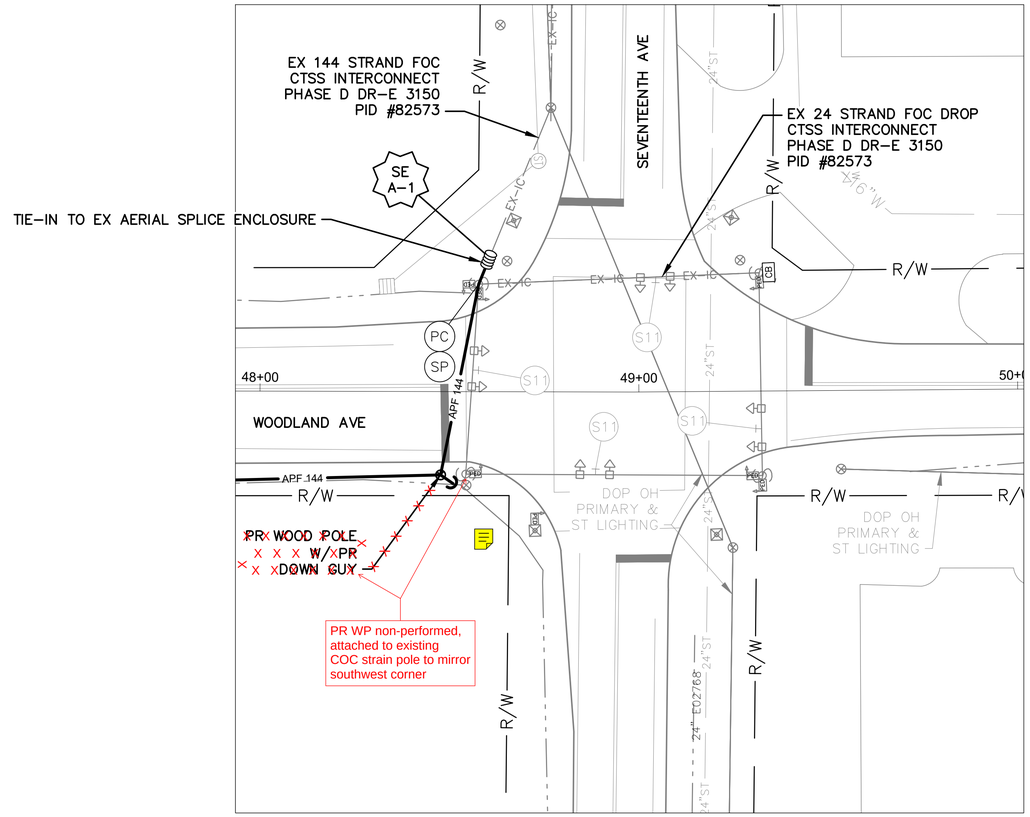
CITY OF COLUMBUS TRAFFIC SIGNAL SYSTEM
(CTSS) PHASE F – FINAL SUBMITTAL

215
768

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WOODLAND AVE BETWEEN STATION 47+00 AND 51+00



DETAIL - INT 3127

0 20 40
HORIZONTAL
SCALE IN FEET

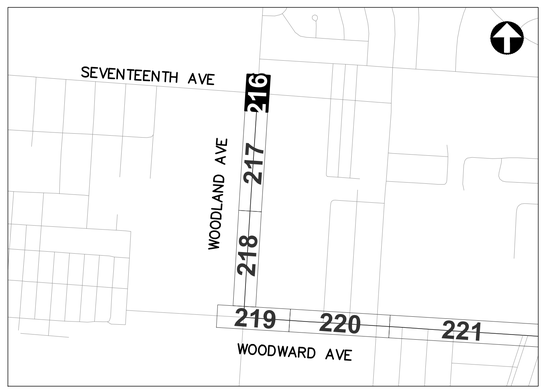
NOTES:

1. SEE SHEET 222 FOR QUANTITIES.
2. SEE SHEETS 470 & 588 FOR COMMUNICATION DETAILS.

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CITY OF COLUMBUS UTILITY LEGEND

- ☐ SEWER
- ☐ WATER
- ☒ POWER
- ☒ LIGHTING



REFER TO SHEET 12 FOR INTERCONNECT SHEET INDEX

KEY PLAN
NOT TO SCALE

0 40 80
HORIZONTAL
SCALE IN FEET

CIP: 540007-100060
PID NUMBER: 110521

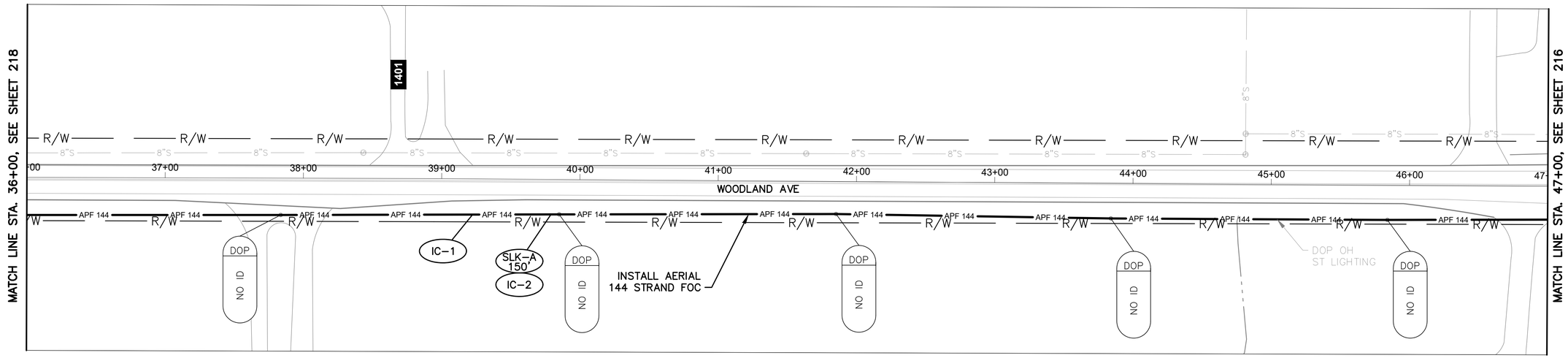
INTERCONNECT PLAN
WOODLAND AVE BETWEEN STA. 47+00 AND 51+00, INT 3127

CITY OF COLUMBUS TRAFFIC SIGNAL SYSTEM
(CTSS) PHASE F – FINAL SUBMITTAL

3676-E

216
768

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WOODLAND AVE BETWEEN STATION 36+00 AND 47+00

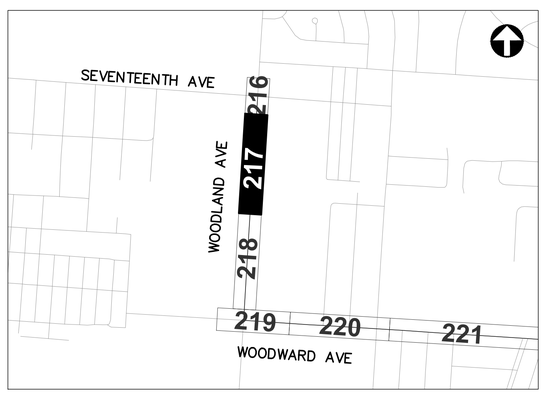
NOTES:

1. SEE SHEET 222 FOR QUANTITIES.
2. SEE SHEET 470 FOR COMMUNICATION DETAILS.

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CITY OF COLUMBUS UTILITY LEGEND

- ☐ SEWER
- ☐ WATER
- ☐ POWER
- ☒ LIGHTING



REFER TO SHEET 12 FOR INTERCONNECT SHEET INDEX

KEY PLAN
NOT TO SCALE

3676-E

HORIZONTAL SCALE IN FEET
0 40 80

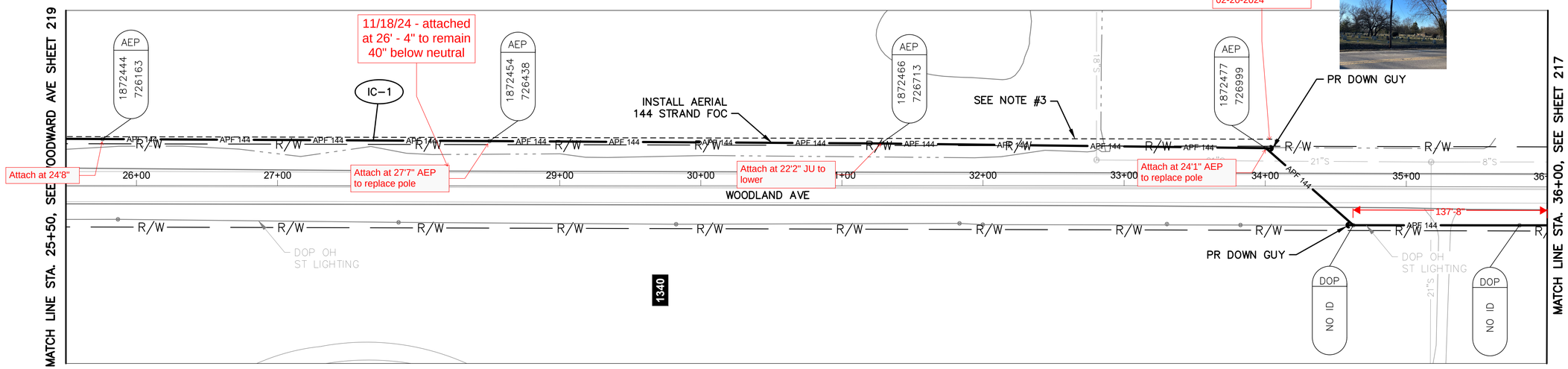
CIP: 540007-100060
PID NUMBER: 110521

INTERCONNECT PLAN
WOODLAND AVE BETWEEN STA. 36+00 AND 47+00

CITY OF COLUMBUS TRAFFIC SIGNAL SYSTEM
(CTSS) PHASE F – FINAL SUBMITTAL

217
768

J:\Jobs\70202 - CTSS Phase F\TECHPROD\Sheets\CTSS_PhF_Trunk3_WOODLAND_INTERCONNECT.dwg - WOODLAND-2 layout ~ last saved by: gburch 02/22/2022 09:45pm ~ printed 06/02/2022 09:33am PSLTS: 1 LTS: 1 CAS: 1:1



WOODLAND AVE BETWEEN STATION 25+50 AND 36+00

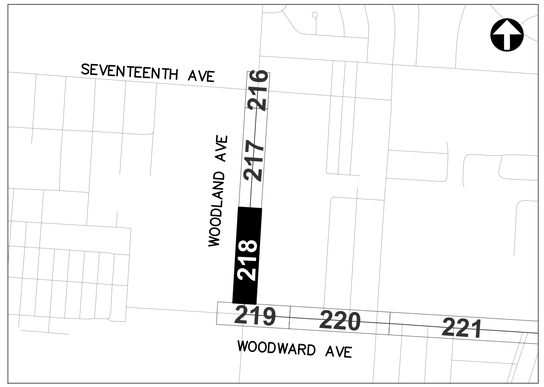
NOTES:

1. SEE SHEET 222 FOR QUANTITIES.
2. SEE SHEET 470 FOR COMMUNICATION DETAILS.
3. EXISTING SHOWN PER AEP EASEMENT #195208130950196.

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www.oups.org

CITY OF COLUMBUS UTILITY LEGEND

- ☐ SEWER
- ☐ WATER
- ☐ POWER
- ☒ LIGHTING



REFER TO SHEET 12 FOR INTERCONNECT SHEET INDEX

KEY PLAN
NOT TO SCALE

3676-E

HORIZONTAL SCALE IN FEET
0 40 80

CIP: 540007-100060
PID NUMBER: 110521

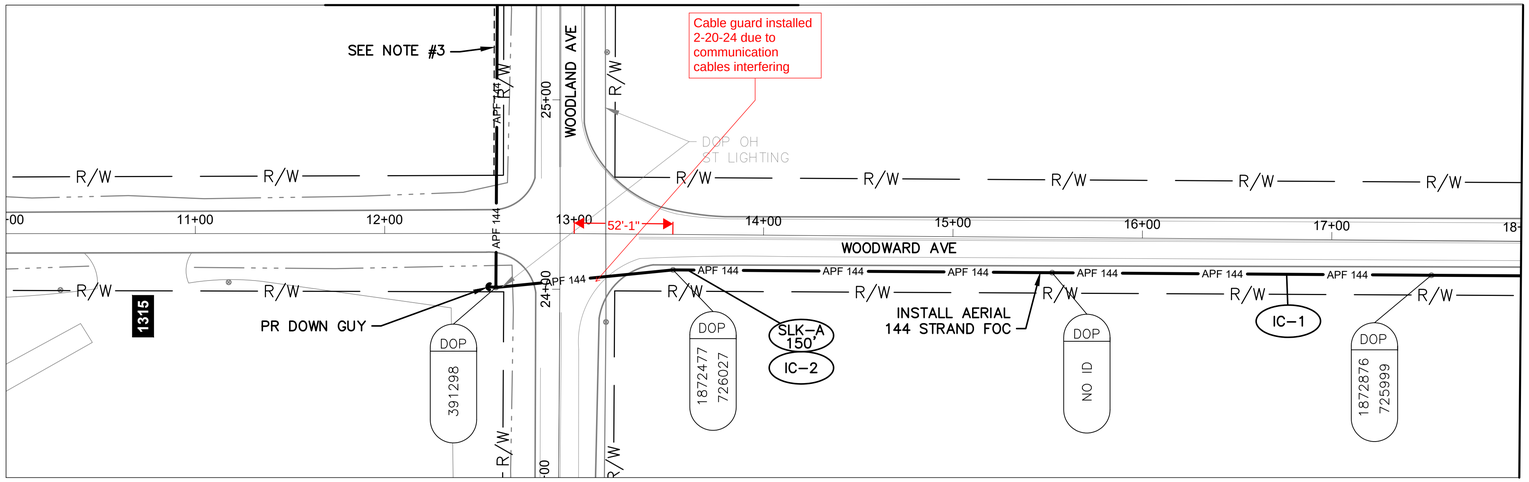
INTERCONNECT PLAN
WOODLAND AVE BETWEEN STA. 25+50 AND 36+00

CITY OF COLUMBUS TRAFFIC SIGNAL SYSTEM
(CTSS) PHASE F – FINAL SUBMITTAL

218
768

J:\Jobs\70202 – CTSS Phase F\TECHPROD\Sheets\CTSS_PhF_Trunk3_WOODLAND_INTERCONNECT.dwg – WOODLAND-1 layout ~ last saved by: gburch 02/22/2022 09:45pm ~ printed 06/02/2022 09:33am PSLTS: 1 LTS: 1 CAS: 1:1

MATCH LINE STA. 25+50, SEE WOODLAND AVE SHEET 218



MATCH LINE STA. 18+00, SEE SHEET 220

WOODWARD AVE BETWEEN STATION 10+00 AND 18+00

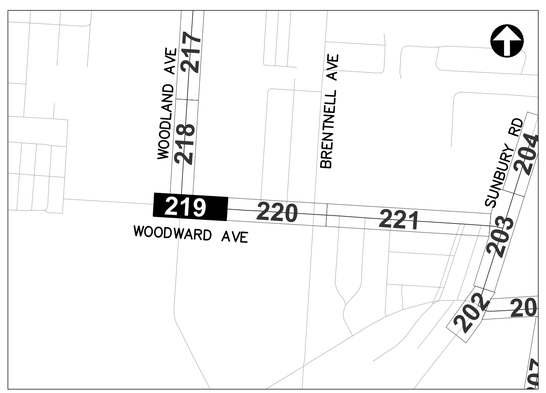
NOTES:

1. SEE SHEET 222 FOR QUANTITIES.
2. SEE SHEET 470 FOR COMMUNICATION DETAILS.
3. EXISTING SHOWN PER AEP EASEMENT #195208130950196.

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CITY OF COLUMBUS UTILITY LEGEND

- ☐ SEWER
- ☐ WATER
- ☐ POWER
- ☒ LIGHTING



REFER TO SHEET 12 FOR INTERCONNECT SHEET INDEX

KEY PLAN
NOT TO SCALE

3676-E

HORIZONTAL SCALE IN FEET
0 40 80

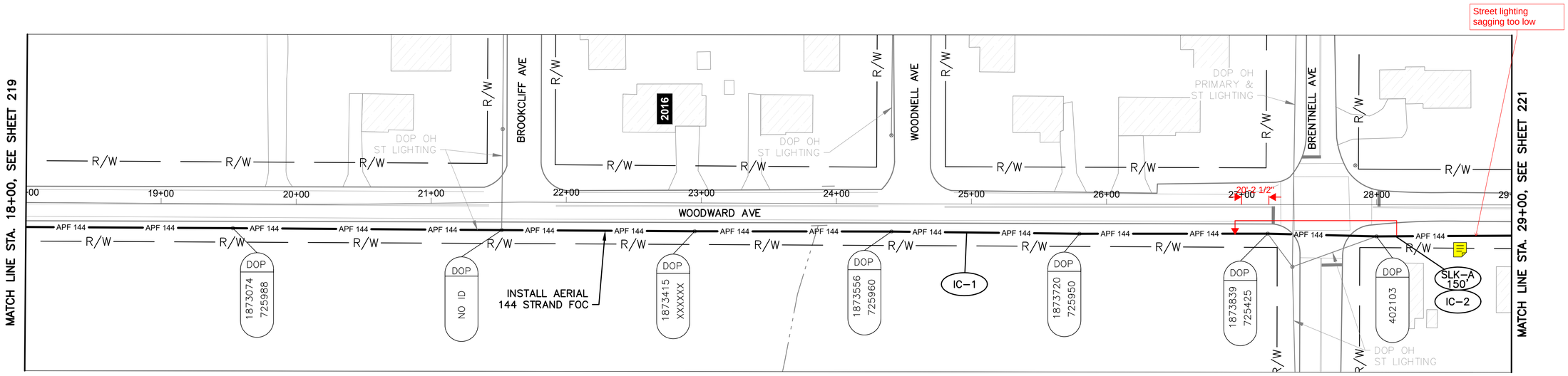
CIP: 540007-100060
PID NUMBER: 110521

INTERCONNECT PLAN
WOODWARD AVE BETWEEN STA. 10+00 AND 18+00

CITY OF COLUMBUS TRAFFIC SIGNAL SYSTEM
(CTSS) PHASE F – FINAL SUBMITTAL

219
768

J:\Jobs\70202 – CTSS Phase F\TECHPROD\Sheets\CTSS_PhF_Trunk3_WOODWARD_INTERCONNECT.dwg – WOODWARD–1 layout ~ last saved by: gburch 02/22/2022 09:45pm ~ printed 06/02/2022 09:35am PSLTS: 1 LTS: 1 CAS: 1:1



WOODWARD AVE BETWEEN STATION 18+00 AND 29+00

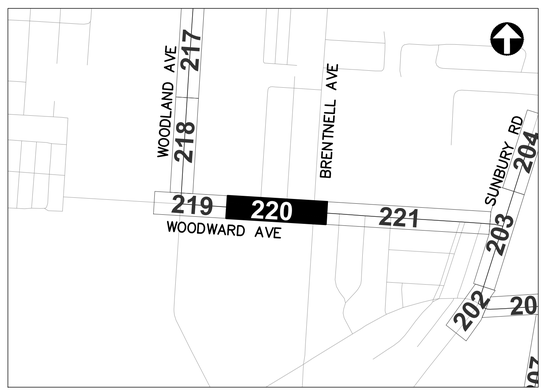
NOTES:

1. SEE SHEET 222 FOR QUANTITIES.
2. SEE SHEET 470 FOR COMMUNICATION DETAILS.

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CITY OF COLUMBUS UTILITY LEGEND

- ☐ SEWER
- ☐ WATER
- ☒ POWER
- ☒ LIGHTING



REFER TO SHEET 12 FOR INTERCONNECT SHEET INDEX

KEY PLAN
NOT TO SCALE

3676-E

HORIZONTAL SCALE IN FEET
0 40 80

CIP: 540007-100060
PID NUMBER: 110521

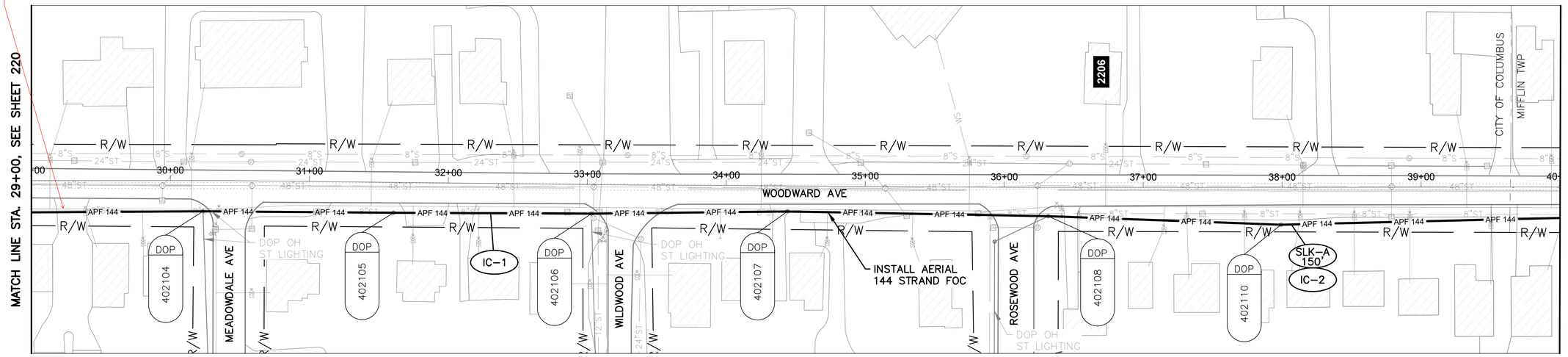
INTERCONNECT PLAN
WOODWARD AVE BETWEEN STA. 18+00 AND 29+00

CITY OF COLUMBUS TRAFFIC SIGNAL SYSTEM
(CTSS) PHASE F – FINAL SUBMITTAL

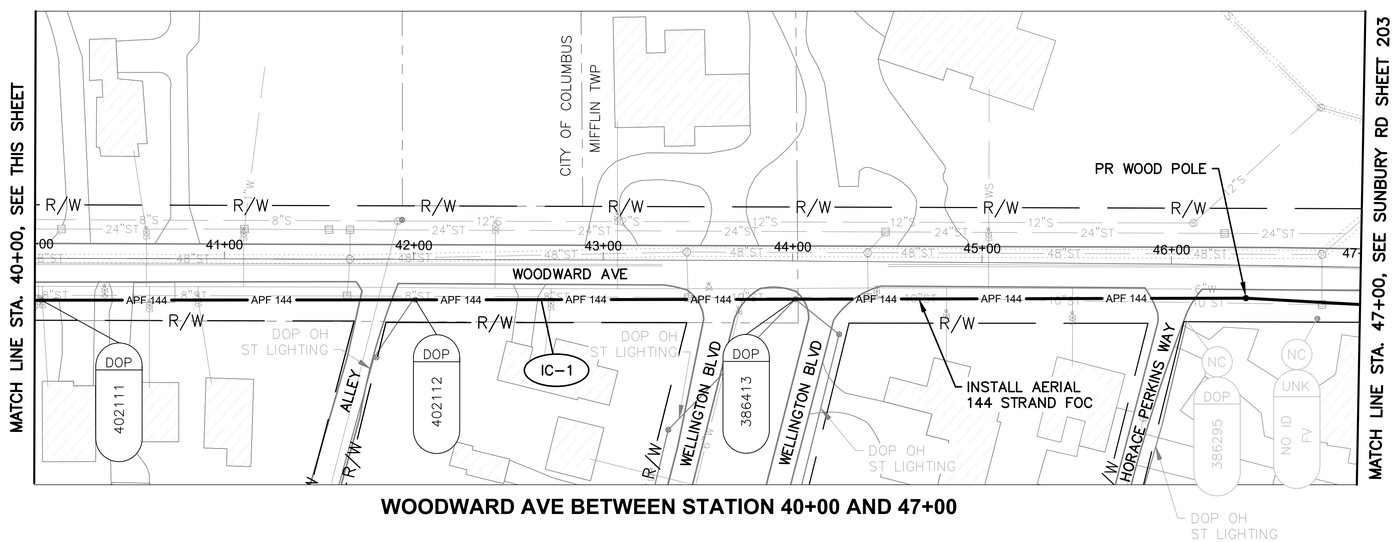
220
768

J:\Jobs\70202 – CTSS Phase F\TECHPROD\Sheets\CTSS_PhF_Trunk3_WOODWARD_INTERCONNECT.dwg – WOODWARD-2 layout ~ last saved by: gburch 02/22/2022 09:45pm ~ printed 06/02/2022 09:36am PSLTS: 1 LTS: 1 CAS: 1:1

Street lighting sagging too low



WOODWARD AVE BETWEEN STATION 29+00 AND 40+00



WOODWARD AVE BETWEEN STATION 40+00 AND 47+00

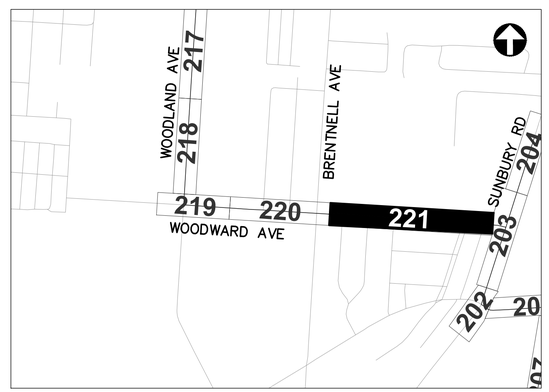
NOTES:

1. SEE SHEET 222 FOR QUANTITIES.
2. SEE SHEET 470 FOR COMMUNICATION DETAILS.

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CITY OF COLUMBUS UTILITY LEGEND

☒	SEWER
☒	WATER
☐	POWER
☒	LIGHTING



REFER TO SHEET 12 FOR INTERCONNECT SHEET INDEX

KEY PLAN
NOT TO SCALE

HORIZONTAL SCALE IN FEET
0 40 80

CIP: 540007-100060
PID NUMBER: 110521

INTERCONNECT PLAN
WOODWARD AVE BETWEEN STA. 29+00 AND 47+00

CITY OF COLUMBUS TRAFFIC SIGNAL SYSTEM
(CTSS) PHASE F – FINAL SUBMITTAL

3676-E

221
768

J:\Jobs\70202 - CTSS Phase F\TECHPROD\Sheets\CTSS_PhF_Trunk3_WOODWARD_INTERCONNECT.dwg - WOODWARD-3 layout ~ last saved by: gburch 02/22/2022 09:45pm ~ printed 06/02/2022 09:38am PSLTS: 1 LTS: 1 CAS: 1:1

ESTIMATED QUANTITIES

SHEET NO.	REFERENCE NO.	LOCATION	STATION		632 DOWN GUY	632 INTERCONNECT CABLE, MISC.: FIBER OPTIC CABLE, 144 STRAND	632 INTERCONNECT CABLE, MISC.: FIBER OPTIC FUSION SPLICE	632 MESSENGER WIRE, 7 STRAND, 1/4" DIAMETER WITH ACCESSORIES, AS PER PLAN	632 WOOD POLE, CLASS 5, 35 FT														
			FROM	TO	EACH	FT	EACH	FT	EACH														
WOODLAND AVE. BETWEEN STA. 47+00 AND 51+00, INT 3127																							
216	IC-1	WOODLAND AVE	47+00, 24' RT	48+60, 35' LT	1	218		218	1														
216	SE A-1	WOODLAND AVE	48+60, 35' LT			75	144																
WOODLAND AVE. BETWEEN STA. 36+00 AND 47+00																							
217	IC-1	WOODLAND AVE	36+00, 27' RT	47+00, 24' RT		1,117		1,117															
217	IC-2	WOODLAND AVE	39+78, 25' RT			150																	
WOODLAND AVE. BETWEEN STA. 25+50 AND 36+00																							
218	IC-1	WOODLAND AVE	25+50, 33' LT	36+00, 27' RT	2	1,087		1,087															
WOODWARD AVE. BETWEEN STA. 10+00 AND 18+00																							
219	IC-1	WOODWARD AVE	12+59, 121' LT	18+00, 18' RT	1	701		701															
219	IC-2	WOODWARD AVE	13+60, 19' RT			150																	
WOODWARD AVE. BETWEEN STA. 18+00 AND 29+00																							
220	IC-1	WOODWARD AVE	18+00, 18' RT	29+00, 23' RT		1,117		1,117															
220	IC-2	WOODWARD AVE	28+14, 23' RT			150																	
WOODWARD AVE. BETWEEN STA. 29+00 AND 47+00																							
221	IC-1	WOODWARD AVE	29+00, 23' RT	47+00, 26' RT		1,827		1,827	1														
221	IC-2	WOODWARD AVE	38+07, 27' RT			150																	
SHEET TOTAL					4	6,742	144	6,067	2	-	-	-	-	-	-	-	-	-	-	-	-	-	-

AERIAL SAG: 1.5% AERIAL SAG IS INCLUDED IN THE QUANTITIES FOR ANY AERIAL FIBER OR CABLE ITEMS.

3676-E

CIP: 540007-100060
PID NUMBER: 110521

WOODLAND AVE BETWEEN STA. 25+50 & 51+00 AND
WOODWARD AVE BETWEEN STA. 10+00 & 47+00, INT 3127

CITY OF COLUMBUS TRAFFIC SIGNAL SYSTEM
(CTSS) PHASE F – FINAL SUBMITTAL

222
768

J:\Jobs\70202 – CTSS Phase F\TECHPROD\Sheets\CTSS_PhF_Trunk3_WOODLAND_IC_QUANTITIES.dwg – WOODLAND Q1 layout ~ last saved by: robevans 02/22/2022 09:45pm ~ printed 06/02/2022 10:16am PSLTS: 1 LTS: 1 CAS: 1:1



BROAD ST BETWEEN STATION 903+00 AND 913+00

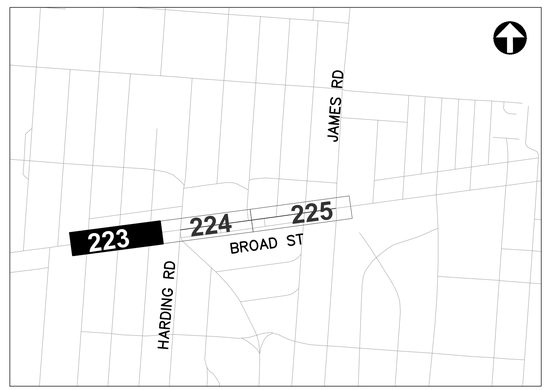
NOTES:

1. SEE SHEET 226 FOR QUANTITIES.
2. SEE SHEET 459 FOR COMMUNICATION DETAILS.

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CITY OF COLUMBUS UTILITY LEGEND

- ☐ SEWER
- ☐ WATER
- ☐ POWER
- ☒ LIGHTING



REFER TO SHEET 12 FOR INTERCONNECT SHEET INDEX

KEY PLAN
NOT TO SCALE

3676-E

HORIZONTAL SCALE IN FEET
0 40 80

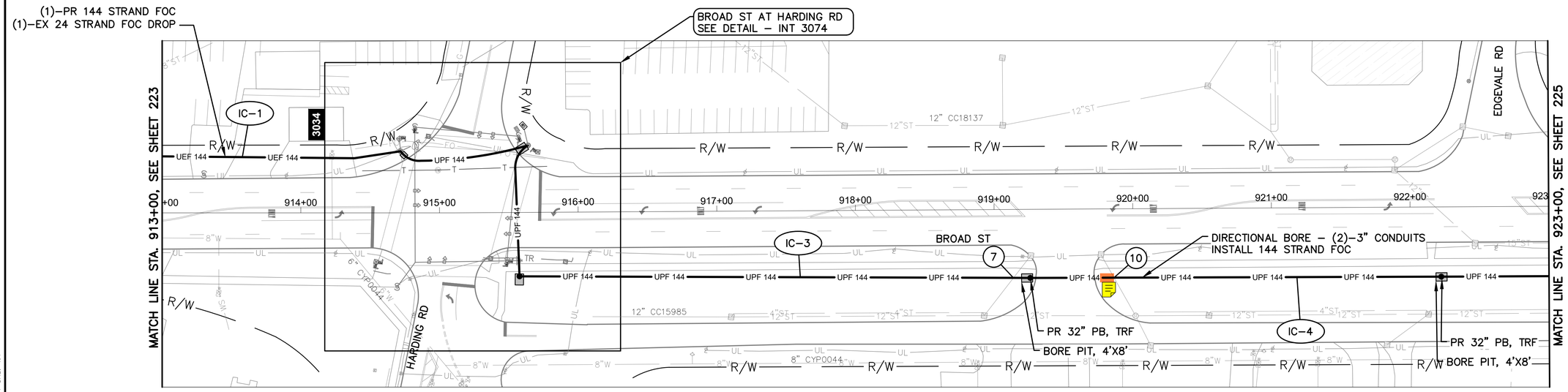
CIP: 540007-100060
PID NUMBER: 110521

INTERCONNECT PLAN
BROAD ST BETWEEN STA. 903+00 AND 913+00

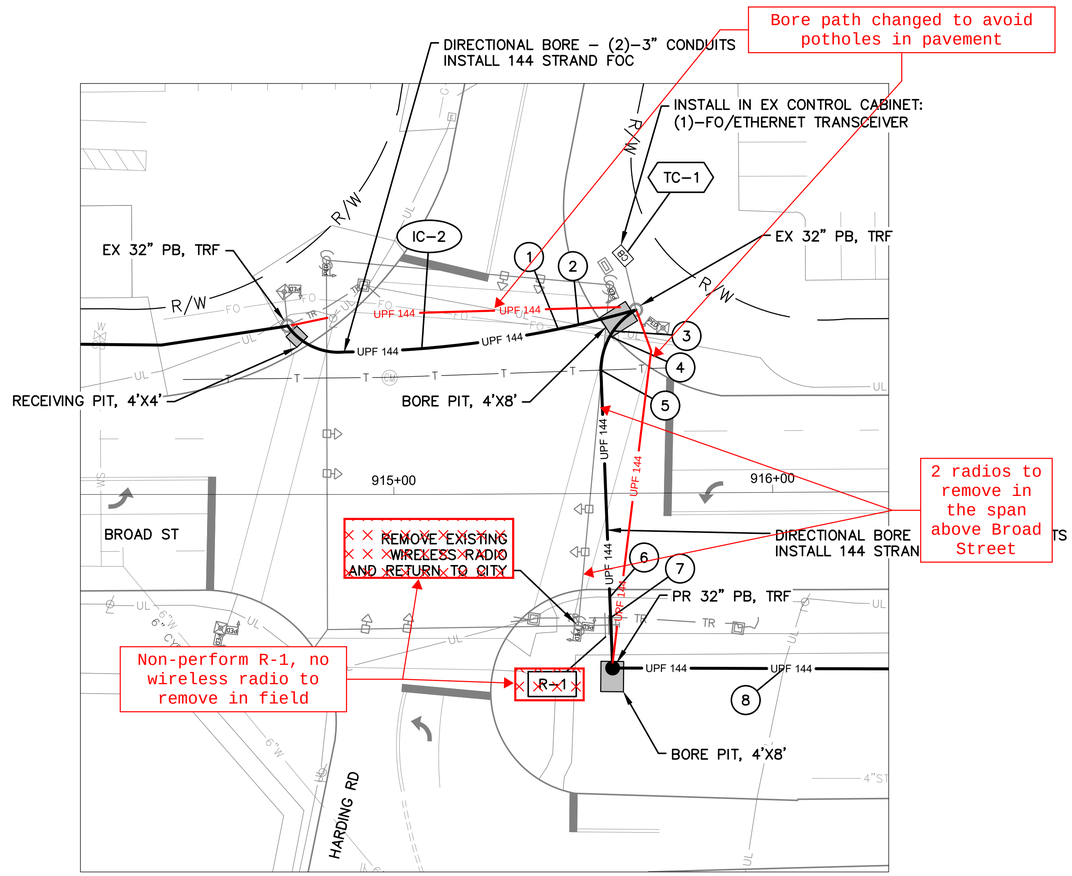
CITY OF COLUMBUS TRAFFIC SIGNAL SYSTEM
(CTSS) PHASE F - FINAL SUBMITTAL

223
768

J:\Jobs\70202 - CTSS Phase F\TECHPROD\Sheets\CTSS_PhF_Trunk3_BROAD_INTERCONNECT.dwg - BROAD-1 layout ~ last saved by: gburch 05/27/2022 08:12am ~ printed 06/02/2022 09:40am PSLTS: 1 LTS: 1 CAS: 1:1



BROAD ST BETWEEN STATION 913+00 AND 923+00



DETAIL - INT 3074

0 20 40
HORIZONTAL SCALE IN FEET

NOTES:

1. SEE SHEET 226 FOR QUANTITIES.
2. SEE SHEETS 459 & 537 FOR COMMUNICATION DETAILS.

(#) EXISTING UTILITY CROSSING. SEE UTILITY CROSSING INFO SHEET 19.

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CITY OF COLUMBUS UTILITY LEGEND

- ☒ SEWER
- ☒ WATER
- ☐ POWER
- ☒ LIGHTING



REFER TO SHEET 12 FOR INTERCONNECT SHEET INDEX

KEY PLAN
NOT TO SCALE

0 40 80
HORIZONTAL SCALE IN FEET

CIP: 540007–100060
PID NUMBER: 110521

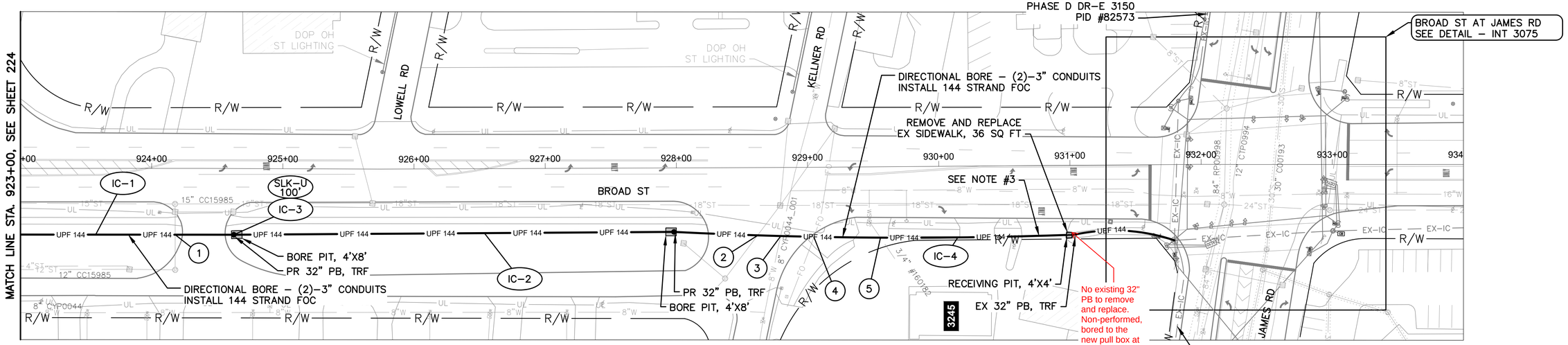
INTERCONNECT PLAN
BROAD ST BETWEEN STA. 913+00 AND 923+00, INT 3074

CITY OF COLUMBUS TRAFFIC SIGNAL SYSTEM
(CTSS) PHASE F – FINAL SUBMITTAL

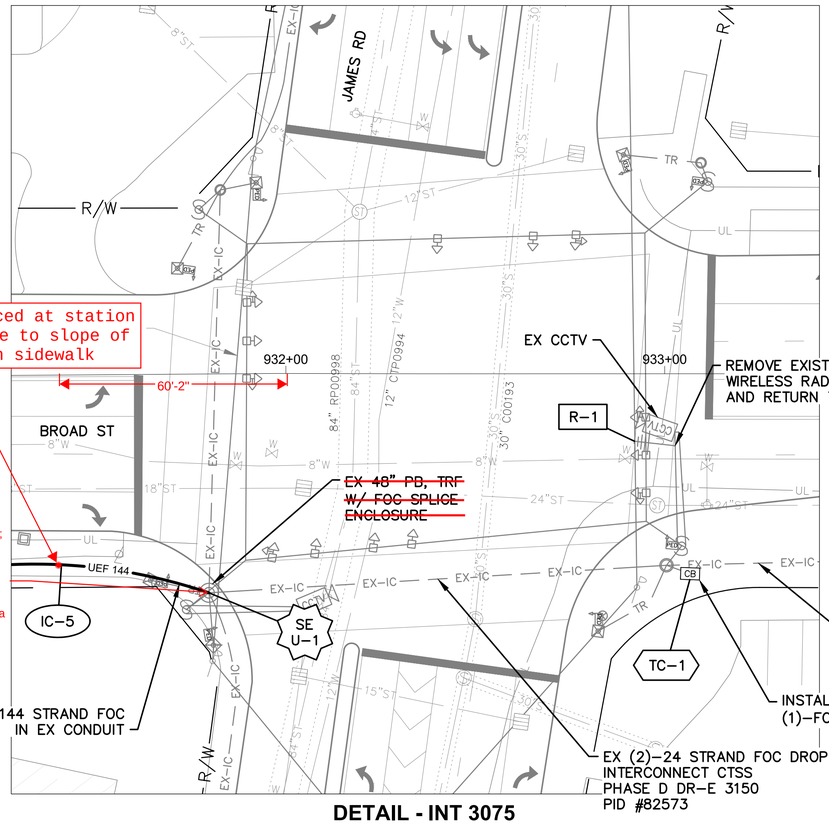
224
768

3676-E

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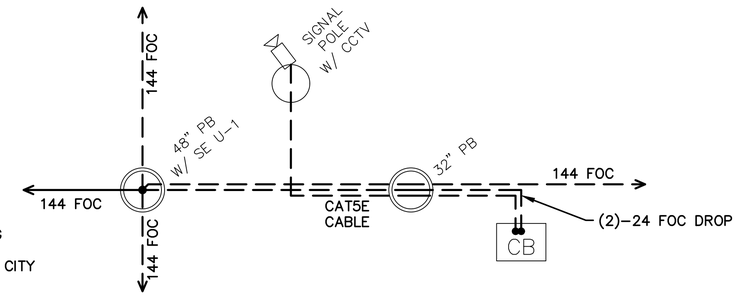


BROAD ST BETWEEN STATION 923+00 AND 934+00



DETAIL - INT 3075

0 20 40
HORIZONTAL SCALE IN FEET



CABLE SCHEMATIC - INT 3075

NOT TO SCALE

NOTES:

1. SEE SHEET 226 FOR QUANTITIES.
2. SEE SHEETS 459 & 538 FOR COMMUNICATION DETAILS.
3. R/W SHOWN PER CITY OF COLUMBUS PROJECT DR–E 3694. FIBER INSTALLATION WILL NEED TO BE COORDINATED WITH THIS PROJECT. EXISTING FACILITIES SHOWN WILL BE INSTALLED WITH DR–E 3694.

(#) EXISTING UTILITY CROSSING. SEE UTILITY CROSSING INFO SHEET 19.

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CITY OF COLUMBUS UTILITY LEGEND

- SEWER
- WATER
- POWER
- LIGHTING



REFER TO SHEET 12 FOR INTERCONNECT SHEET INDEX

KEY PLAN
NOT TO SCALE

0 40 80
HORIZONTAL SCALE IN FEET

CIP: 540007–100060
PID NUMBER: 110521

INTERCONNECT PLAN
BROAD ST BETWEEN STA. 923+00 AND 934+00, INT 3075

CITY OF COLUMBUS TRAFFIC SIGNAL SYSTEM (CTSS) PHASE F – FINAL SUBMITTAL

3676-E

225
768

J:\Jobs\70202 – CTSS Phase F\TECHPROD\Sheets\CTSS_PhF_Trunk3_BROAD_INTERCONNECT.dwg – BROAD–3 layout: 1 by: gburch 05/27/2022 08:12am ~ printed 06/02/2022 09:42am PSLTS: 1 LTS: 1 CAS: 1:1

ESTIMATED QUANTITIES

SHEET NO.	REFERENCE NO.	LOCATION	STATION		202	202	202	608	625	625	625	625	632	632	632	633									
					EXISTING CONDUIT CLEANED, AS PER PLAN	REMOVAL, MISC.: REMOVE EXISTING OVERHEAD EQUIPMENT	WALK REMOVED	8" CONCRETE WALK	CONDUIT, CONCRETE ENCASED, 2-3", 725.051, AS PER PLAN	CONDUIT, JACKED OR DRILLED, 3", AS PER PLAN	PULL BOX, CONCRETE 32", AS PER PLAN	TRENCH, 36" DEEP, AS PER PLAN	INTERCONNECT CABLE, MISC.: FIBER OPTIC CABLE, 144 STRAND	INTERCONNECT CABLE, MISC.: FIBER OPTIC FUSION SPLICE	INTERCONNECT CABLE, MISC.: REMOVE EXISTING UNDERGROUND INTERCONNECT	CONTROLLER ITEM, MISC.: FIBER OPTIC ETHERNET TRANSCEIVER, SHORT RANGE								
			FROM	TO	FT	EACH	SF	SF	FT	FT	EACH	FT	FT	EACH	FT	EACH								
BROAD ST. BETWEEN STA. 903+00 AND 913+00																									
223	R-1	BROAD ST	905+17, 31' RT	909+02, 34' RT											384										
223	SE U-1	BROAD ST	911+58, 42' LT										75	144											
223	IC-1	BROAD ST	911+58, 42' LT	913+00, 41' LT	141								141												
BROAD ST. BETWEEN STA. 913+00 AND 923+00, INT 3074																									
224	IC-1	BROAD ST	913+00, 41' LT	914+72, 45' LT	172								172												
224	IC-2	BROAD ST	914+72, 45' LT	915+57, 46' RT						386	1		193												
224	R-1	BROAD ST	915+48, 35' RT			1																			
224	IC-3	BROAD ST	915+57, 46' RT	919+26, 49' RT					368			368	368												
224	TC-1	BROAD ST	915+61, 63' LT													1									
224	IC-4	BROAD ST	919+26, 49' RT	923+00, 50' RT						748	2		374												
BROAD ST. BETWEEN STA. 923+00 AND 934+00, INT 3075																									
225	IC-1	BROAD ST	923+00, 50' RT	924+63, 50' RT						326	1		163												
225	IC-2	BROAD ST	924+63, 50' RT	927+98, 49' RT					336			336	336												
225	IC-3	BROAD ST	927+98, 49' RT	931+76, 54' RT							1		100												
225	IC-4	BROAD ST	927+98, 49' RT	931+46, 50' RT			36	36		698	1		349												
225	IC-5	BROAD ST	931+46, 50' RT	932+00, 54' RT	53								53												
225	SE U-1	BROAD ST	932+00, 54' RT										75	144											
225	R-1	BROAD ST	933+03, 19' RT			1																			
225	TC-1	BROAD ST	933+07, 53' RT													1									
SHEET TOTAL					366	2	36	36	704	2,158	6	704	2,399	288	384	2	-	-	-	-	-	-	-	-

AERIAL SAG: 1.5% AERIAL SAG IS INCLUDED IN THE QUANTITIES FOR ANY AERIAL FIBER OR CABLE ITEMS.

3676-E

CIP: 540007-100060
PID NUMBER: 110521

BROAD ST BETWEEN STA. 903+00 & 934+00
INTS 3074 & 3075

CITY OF COLUMBUS TRAFFIC SIGNAL SYSTEM
(CTSS) PHASE F – FINAL SUBMITTAL

226
768

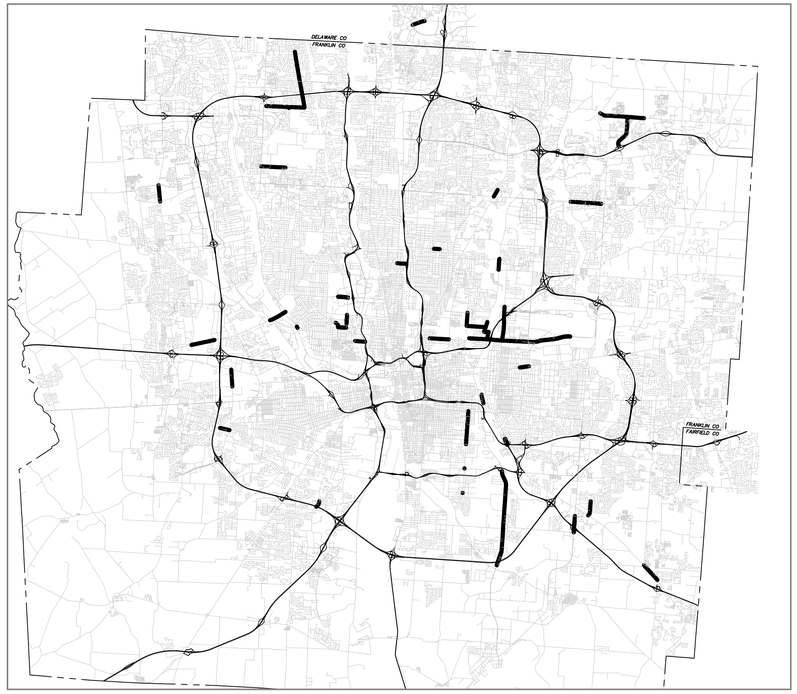
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CITY OF COLUMBUS, OHIO
DEPARTMENT OF PUBLIC SERVICE
DIVISION OF DESIGN AND CONSTRUCTION

CITY OF COLUMBUS
TRAFFIC SIGNAL SYSTEM
(CTSS) PHASE F

FRA-COLUMBUS TRAFFIC SIGNAL SYSTEM-PHASE F

VOLUME 2 OF 3



LOCATION MAP

– PROJECT AREA

SCALE IN MILES

0 1 2 3 6 12

STUDY AREA
SEE SHEET 228 OF 768

VOL. 1 – INTERCONNECT SHEETS 1 TO 226
VOL. 2 – INTERCONNECT SHEETS 227 TO 446
VOL. 3 – COMMUNICATIONS SHEETS 447 TO 768

INDEX OF VOLUME 2 SHEETS

TITLE SHEET 227
NODE OVERVIEW 228
LEGEND SHEETS 229,230
PLAN SHEET INDEX 231-241
INTERSECTION INDEX 242-243
UTILITY CROSSING INDEX 244-246
EXISTING SIGN INDEX 247
VOLUME 2 SUB-SUMMARY 248-257
POWER SERVICE DETAILS 258-263
INTERCONNECT PLANS AND INTERSECTION DETAILS 264-446

FEDERAL PROJECT NUMBER E080(964)

CIP: 540007-100060
PID NUMBER: 110521

TITLE SHEET
VOLUME 2 OF 3

CITY OF COLUMBUS TRAFFIC SIGNAL SYSTEM
(CTSS) PHASE F – FINAL SUBMITTAL

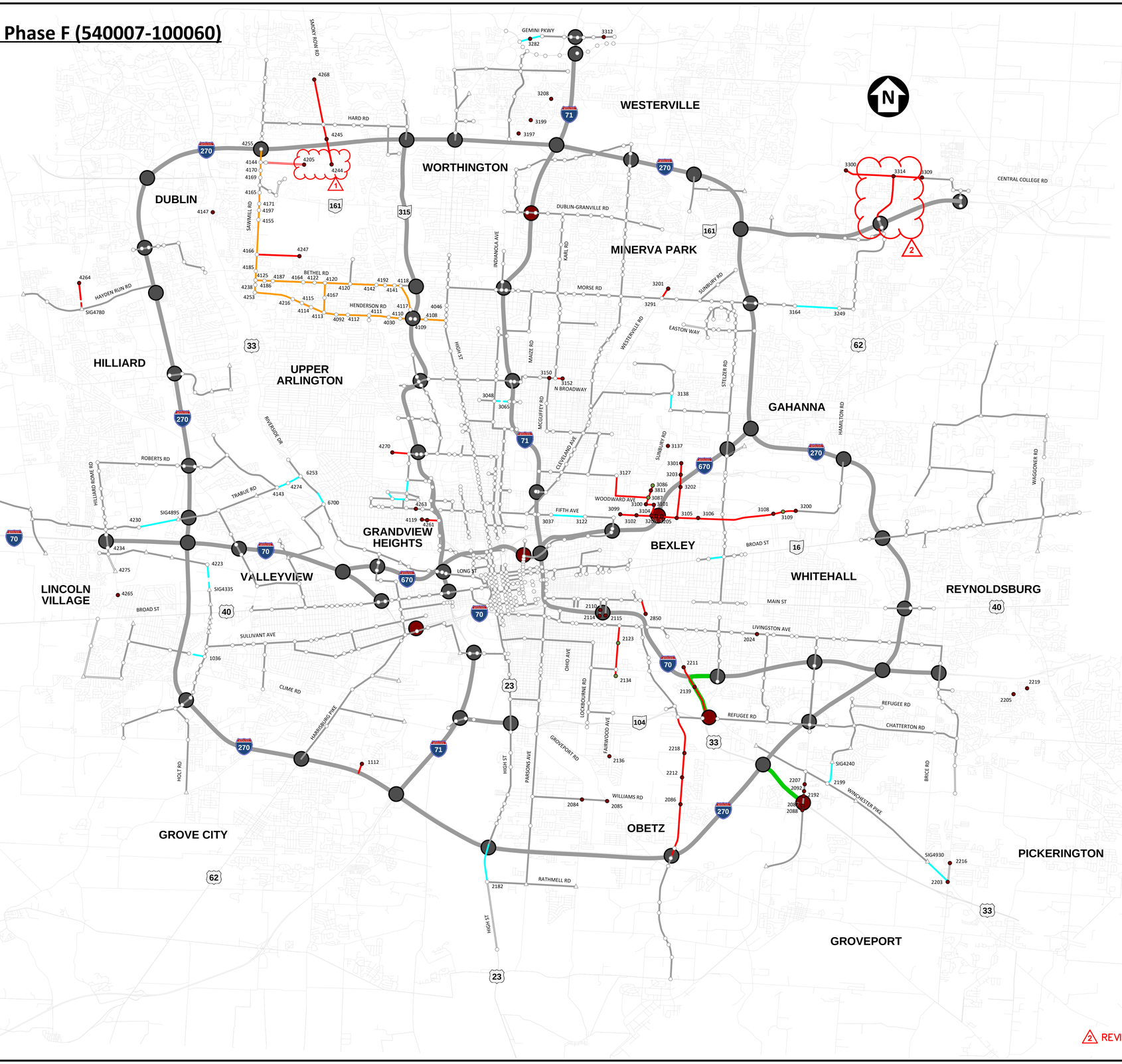
3676-E

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Columbus Traffic Signal System Phase F (540007-100060)

Legend

- PROPOSED 144 SMF REDUNDANT LINK
- PROPOSED 288 SMF LINK
- CONNECTED VEHICLE ENVIRONMENT
- PROPOSED 144 SMF INTERCONNECT
- EXISTING CTSS – 144 SMF
- EXISTING CTSS – 288 SMF
- PHASE F INTERSECTION
- SLACK CABLE ONLY
- EXISTING CTSS – COLUMBUS SIGNAL
- EXISTING CTSS – FCEO SIGNAL
- WIRELESS LINK
- PHASE F NODE
- EXISTING NODE



N

NOT TO SCALE

CIP: 540007 - 100060
PID NUMBER: 110251

NODE OVERVIEW

CITY OF COLUMBUS TRAFFIC SIGNAL SYSTEM
(CTSS) PHASE F – FINAL SUBMITTAL

REVISION 2.0

3676-E

228
768

C:\Users\jbeans\Desktop\Phase F\Phase F Overview\CTSS Phase F overview.vsdx - Vol-2 layout ~ last saved by: Sai Geetha Koganti 12/21/2022 10:52:09 AM ~ printed: 12/21/2022 10:52:09 AM

EXISTING TRAFFIC SYMBOL LEGEND

- SIGNAL HEAD
- TR — EXISTING TRAFFIC CONDUIT
- EXISTING WOODEN UTILITY POLE
- EXISTING OVERHEAD SIGN
- EXISTING STRAIN POLE
- CB — EXISTING SIGNAL CONTROLLER
- PS — EXISTING POWER SUPPLY
- MAST ARM
- RAMP METER, EXISTING
- CONCRETE MEDIAN BARRIER WITHOUT MULTI–CELL CONDUIT
- CCTV — CCTV DEVICE, EXISTING
- BRACKET ARM, EXISTING
- OVERHEAD SIGN STRUCTURE, EXISTING
- DETECTOR LOOP, EXISTING
- DETECTOR STATION, EXISTING
- VDS CABINET, EXISTING
- EXISTING PULL BOXES (18", 24", 30", 36" SQUARE)
- EXISTING PULL BOX (30" x 48" RECTANGULAR DOUBLE DOOR)
- EXISTING PULL BOX (18", 725.06 RECTANGULAR; POLYCONCRETE)
- EXISTING PULL BOXES (27", 32", 48" ROUND)
- EXISTING JUNCTION BOX IN BARRIER WALL
- EXISTING ITS EQUIPMENT CABINET
- E — EXISTING 4' SQUARE VAULT
- EXISTING COMMUNICATION NODE
- EXISTING PEDESTRIAN SIGNAL/CROSSWALK PUSH BUTTON POLE
- PED — PEDESTRIAN CROSSWALK SIGNAL
- AMP — COAXIAL AMPLIFIER CABINET
- VD — EXISTING VIDEO TRAFFIC DETECTOR
- FO — EXISTING FIBER OPTIC CABLE
- TRANSMISSION TOWER
- T — GROUND MOUNTED TRANSFORMER

UTILITY LEGEND

- CATCH BASIN
- CURB INLET
- HYDRANT
- MANHOLE
- COMBINED MANHOLE
- ST — STORM MANHOLE
- SANITARY MANHOLE
- W — WATER VALVE
- ST — STORM SEWER
- S — SANITARY SEWER
- CS — COMBINED SEWER
- W — WATER
- E — E — UNDERGROUND ELECTRIC/POWER LINE
- G — G — G — GAS LINE AND VALVE
- P — PETROLEUM TRANSMISSION LINE
- CATV — UNDERGROUND CABLE TV
- CATV — CABLE TV PULL BOX

POWER, LIGHTING AND COMMUNICATIONS LEGEND

- LIGHTING CENTER
- L — LIGHTING CONDUIT
- T — TELECOMMUNICATIONS CONDUIT
- HIGH MAST LIGHTING TOWERS
- CM T — EXISTING TELECOMMUNICATIONS PULL BOX
- E — EXISTING ELECTRICAL PULL BOX
- LUMINARIES
- UTILITY POLE
- LIGHT POLE
- POWER/LIGHT POLE
- TELEPHONE/POWER POLE
- TELEPHONE POLE
- POWER POLE
- TRANSMISSION POWER POLE
- 1234 — STREET ADDRESS
- GUY WIRE
- GUY ANCHOR

LAND FEATURE LEGEND

- RAILROAD W/ CROSSBUCK FLASHERS AND BARRIER
- LAKES, RIVERS AND STREAMS
- HEADWALL
- UT — EXISTING UNDERGROUND TANKS
- NOISE WALL
- CABLE BARRIER
- GUARDRAIL
- FENCE
- CENTER LINE
- CORPORATION BOUNDARY
- LA RW — RIGHT OF WAY WITH LIMITED ACCESS
- RR R/W — RAILROAD RIGHT OF WAY / PROPERTY LINE
- R/W — RIGHT OF WAY LINE
- WS — WARRANTY DEED FOR SCENIC PURPOSES
- UTILITY EASEMENT
- SH — SH — STANDARD HIGHWAY RIGHT OF WAY EASEMENT
- EDGE OF PAVEMENT
- ROAD DASH STRIPING
- LANE STRIPING
- FLOODWAY FRINGE BOUNDARY
- FLOODWAY ZONE BOUNDARY
- FLAG POLE

ABBREVIATIONS

BTW – BETWEEN
CFN – COLUMBUS FIBERNET
CN – CITYNET (HYLAND)
COC – CITY OF COLUMBUS
CONT. – CONTROLLER
CTSS – COLUMBUS TRAFFIC SIGNAL SYSTEM
DOP – DIVISION OF POWER
DOW – DIVISION OF WATER
DOT – DEPARTMENT OF TECHNOLOGY
EA – EACH
EX – EXISTING
FOC – FIBER OPTIC CABLE
FO – FIBER OPTIC
FT – FEET
FV – FIELD VERIFIED
IC – INTERCONNECT
INT – INTERSECTION
ITS – INTELLIGENT TRANSPORTATION SYSTEM
OH – OVERHEAD
PB – PULL BOX
PR – PROPOSED
RSU – ROAD SIDE UNIT
RU – RACK UNIT
SMF – SINGLE MODE FIBER
STA. – STATION
TR or TRF – TRAFFIC
UG – UNDERGROUND
UNK – UNKNOWN
UT – UNDERGROUND TANKS
W/ – WITH

EXISTING UTILITY POLES

- AEP 1865463 760636 — AEP POLE WITH XY COORDINATES
- AT&T 1877088 758521 — AT&T POLE WITH XY COORDINATES
- DOP 760636 — DOP POLE WITH SIX DIGIT ID
- UNK NO ID FV — EXISTING POLE MISSING ID (FIELD VERIFIED)

CONNECTION TYPE

- PC — POLE CLAMP
- SO — STAND OFF
- NC — NO CONTACT

POLE TYPE

- SP — STRAIN POLE
- LP — LIGHT POLE
- MP — MISC. UTILITY POLE

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EXISTING LEGEND & ABBREVIATIONS

CITY OF COLUMBUS TRAFFIC SIGNAL SYSTEM
(CTSS) PHASE F – FINAL SUBMITTAL

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PROPOSED ITS LINETYPES, EXISTING INFRASTRUCTURE

AEF 24 — AEF 24 — AEF 24	EXISTING AERIAL INTERCONNECT, PROPOSED 24 FIBER OVERLASHED TO EXISTING IC
AEF DROP 24 — AEF DROP 24	EXISTING AERIAL INTERCONNECT, PROPOSED 24 FIBER DROP OVERLASHED TO EXISTING IC
AEF 144	EXISTING AERIAL INTERCONNECT, PROPOSED 144 FIBER OVERLASHED TO EXISTING IC
ARF 24 — ARF 24 — ARF 24	EXISTING AERIAL INTERCONNECT, REPLACE WITH 24 FIBER
ARF DROP 24 — ARF DROP 24	EXISTING AERIAL INTERCONNECT, REPLACE WITH 24 FIBER DROP
ARF 144	EXISTING AERIAL INTERCONNECT, REPLACE WITH 144 FIBER
ARP — ARP	EXISTING AERIAL POWER, REPLACE WITH PROPOSED POWER CABLE
UE5 — UE5	EXISTING UNDERGROUND CONDUIT, PROPOSED CAT 5
UEF 24 — UEF 24 — UEF 24	EXISTING UNDERGROUND CONDUIT, PROPOSED 24 FIBER
UEF DROP 24 — UEF DROP 24	EXISTING UNDERGROUND CONDUIT, PROPOSED 24 FIBER DROP
UEF DROP 72 — UEF DROP 72	EXISTING UNDERGROUND CONDUIT, PROPOSED 72 FIBER DROP
UEF 144	EXISTING UNDERGROUND CONDUIT, PROPOSED 144 FIBER
UEF 288	EXISTING UNDERGROUND CONDUIT, PROPOSED 288 FIBER
URF 24 — URF 24 — URF 24	EXISTING UNDERGROUND CONDUIT, REPLACE EX IC WITH PROPOSED 24 FIBER
URF DROP 24 — URF DROP 24	EXISTING UNDERGROUND CONDUIT, REPLACE EX IC WITH PROPOSED 24 FIBER DROP
URF 144	EXISTING UNDERGROUND CONDUIT, REPLACE EX IC WITH PROPOSED 144 FIBER
SEF 144	EXISTING STRUCTURAL CONDUIT, PROPOSED 144 FIBER
SRF 144	EXISTING STRUCTURAL CONDUIT, REPLACE EX IC WITH PROPOSED 144 FIBER
SEF 288	EXISTING STRUCTURAL CONDUIT, PROPOSED 288 FIBER
X — X — X — X	EXISTING INTERCONNECT TO BE REMOVED
EX–IC	EXISTING INTERCONNECT

PROPOSED ITS LINETYPES, PROPOSED INFRASTRUCTURE

AP5 — AP5	PROPOSED AERIAL CABLE, PROPOSED CAT 5
APC — APC — APC — APC	PROPOSED AERIAL CABLE, PROPOSED CCTV COMPOSITE CABLE
APF 24 — APF 24 — APF 24	PROPOSED AERIAL INTERCONNECT, PROPOSED 24 FIBER
APF DROP 24 — APF DROP 24	PROPOSED AERIAL INTERCONNECT, PROPOSED 24 FIBER DROP
APF 144	PROPOSED AERIAL INTERCONNECT, PROPOSED 144 FIBER
UPF 24 — UPF 24 — UPF 24	PROPOSED UNDERGROUND CONDUIT, PROPOSED 24 FIBER
UPF DROP 24 — UPF DROP 24	PROPOSED UNDERGROUND CONDUIT, PROPOSED 24 FIBER DROP
UPF 144	PROPOSED UNDERGROUND CONDUIT, PROPOSED 144 FIBER
UPF 288	PROPOSED UNDERGROUND CONDUIT, PROPOSED 288 FIBER
UPP — UPP	PROPOSED UNDERGROUND CONDUIT, PROPOSED UNDERGROUND POWER
UP5 — UP5	PROPOSED UNDERGROUND CONDUIT, PROPOSED CAT 5
UPC — UPC — UPC — UPC	PROPOSED UNDERGROUND CONDUIT, PROPOSED CCTV COMPOSITE CABLE
SPF 144	PROPOSED STRUCTURAL CONDUIT, PROPOSED 144 FIBER
SPF 288	PROPOSED STRUCTURAL CONDUIT, PROPOSED 288 FIBER
// — // — // — // — //	PROPOSED GUY WIRE
APP — APP	PROPOSED AERIAL POWER

INTERCONNECT CALLOUTS

QUANTITIES INCLUDE ALL FIBER OPTIC CABLE AND ANY ASSOCIATED EQUIPMENT OR INFRASTRUCTURE REQUIRED TO INSTALL THE CABLE BETWEEN PROPOSED FIBER OPTIC SPLICE ENCLOSURES AT ADJACENT CONNECTED INTERSECTIONS. THE FIBER OPTIC SPLICE ENCLOSURE SERVES AS A DELINEATION POINT BETWEEN INTERCONNECT AND INTERSECTION QUANTITIES AND IS ITSELF TYPICALLY INCLUDED WITHIN THE INTERCONNECT QUANTITIES.

THE FOLLOWING ITEMS ARE QUANTIFIED WITHIN THE ASSOCIATED INTERCONNECT QUANTITY SHEET:

IC–# — FIBER OPTIC CABLE
INSTALLED IN EXISTING CONDUIT (CONDUIT CLEANED) OR NEW CONDUIT
- INSTALLED IN NEW CONDUIT
- INSTALLED ON NEW MESSENGER WIRE
- OVERLASHED TO EXISTING OVERHEAD INTERCONNECT
- REPLACING EXISTING OVERHEAD INTERCONNECT

SE %–# — FIBER OPTIC SPLICE ENCLOSURE
- % – DENOTES ENCLOSURE TYPE
- A: AERIAL, U: UNDERGROUND

SLK–% ###' — FIBER OPTIC CABLE SLACK
- % – DENOTES SLACK TYPE
- A: AERIAL, U: UNDERGROUND
- ###': LENGTH OF SLACK

R–# — REMOVE EXISTING EQUIPMENT

CN–# — COMMUNICATIONS NODE CABINET

TC–# — SIGNAL CONTROL CABINET
- 24 STRAND FIBER OPTIC TERMINATION PANEL
- LAYER 2 ETHERNET NETWORK SWITCH
- FIBER OPTIC–ETHERNET TRANSCEIVER
- ETHERNET–SERIAL DATA TERMINAL SERVER OR TRAFFIC SIGNAL CONTROLLER

EC–# — EQUIPMENT DATA/POWER CABLE

EC–# / IC–# — EQUIPMENT DATA/POWER CABLE AND FIBER OPTIC CABLE

IC–# / IC–# — FIBER OPTIC CABLE, TWO VARYING TYPES

WR–# — WIRELESS NETWORK RADIO

CTV–# — CCTV TRAFFIC SURVEILLANCE CAMERA

RSU–# — ROAD SIDE UNIT

CITY OF COLUMBUS UTILITY LEGEND

☒	SEWER	EXISTING SEWER LINES IN THE VICINITY OF PROPOSED UNDERGROUND WORK.
☒	WATER	EXISTING WATER LINES IN THE VICINITY OF PROPOSED UNDERGROUND WORK.
☒	POWER	EXISTING UNDERGROUND POWER LINES OR FACILITIES ARE WITHIN THE VICINITY OF PROPOSED UNDERGROUND WORK – OR – PROPOSED AERIAL INTERCONNECT CABLE IS TO BE INSTALLED IN THE VICINITY OF EXISTING OVERHEAD POWER LINES.
☒	LIGHTING	EXISTING UNDERGROUND LIGHTING LINES OR FACILITIES ARE WITHIN THE VICINITY OF PROPOSED UNDERGROUND WORK – OR – PROPOSED AERIAL INTERCONNECT CABLE IS TO BE INSTALLED IN THE VICINITY OF EXISTING OVERHEAD STREET LIGHTING LINES.
(#)		EXISTING UTILITY CROSSING. SEE UTILITY CROSSING INFO SHEET XX.
(S#)		EXISTING OVERHEAD SIGN CALLOUT

PROPOSED ITS SYMBOL LEGEND

⊗	PROPOSED WOODEN UTILITY POLE
S	PROPOSED STRAIN POLE
↓	PROPOSED GUY WIRE ANCHOR
CB	SIGNAL CONTROLLER REPLACED
■	CCTV DEVICE, PROPOSED
	PROPOSED WIRELESS ANTENNA
	PROPOSED ITS EQUIPMENT CABINET
	PROPOSED COMMUNICATION NODE
	PROPOSED MEDIAN JUNCTION BOX, 36"
	PROPOSED PULL BOXES (18" 725.06; POLYCONCRETE)
	PROPOSED PULL BOXES (18", 24" SQUARE)
	PROPOSED PULL BOXES (32", 48" ROUND)
	BORE PIT, 4'X8'
	RECEIVING PIT, 4'X4'
	ROAD SIDE UNIT
	PROPOSED 6' BRACKET
	PROPOSED BRACKET ARM
	TRENCH IN PAVEMENT, 1 1/2" PLANING AND 1 1/2" SURFACE COURSE
	CONDUIT RESTORATION
	SIDEWALK REPLACED

CIP: 540007–100060
PID NUMBER: 110521

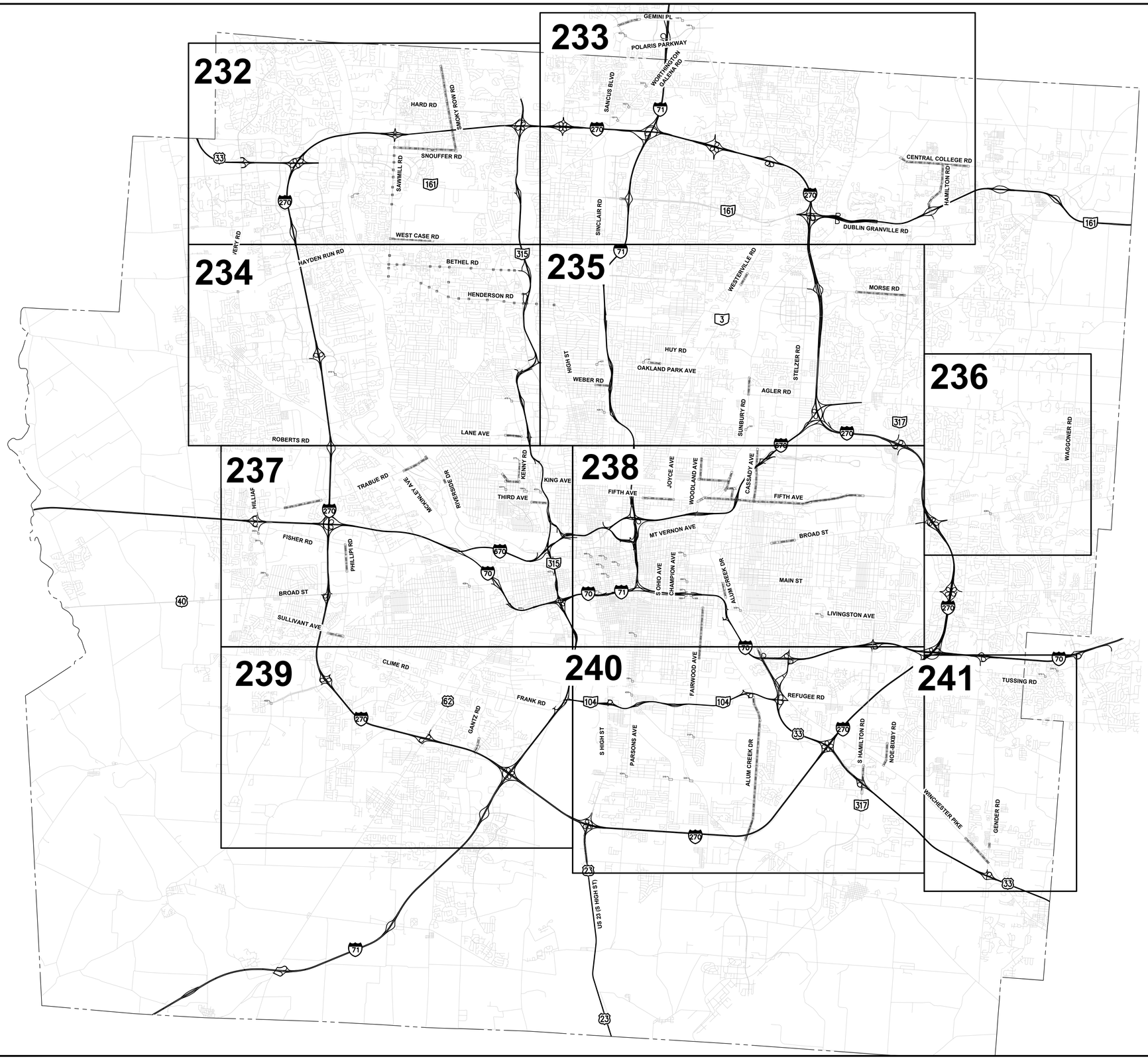
PROPOSED LINETYPE AND SYMBOL LEGEND

CITY OF COLUMBUS TRAFFIC SIGNAL SYSTEM
(CTSS) PHASE F – FINAL SUBMITTAL

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3676-E

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0 6,000 12,000
HORIZONTAL SCALE IN FEET

CIP: 540007–100060
PID NUMBER: 110521

INTERCONNECT SHEET INDEX
OVERVIEW

CITY OF COLUMBUS TRAFFIC SIGNAL SYSTEM
(CTSS) PHASE F – FINAL SUBMITTAL

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768

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HORIZONTAL SCALE IN FEET
0 1500 3000

CIP: 540007-100060
PID NUMBER: 110521

INTERCONNECT SHEET INDEX
(1 OF 10)

CITY OF COLUMBUS TRAFFIC SIGNAL SYSTEM
(CTSS) PHASE F – FINAL SUBMITTAL

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0 2000 4000
HORIZONTAL SCALE IN FEET

CIP: 540007–100060
PID NUMBER: 110521

INTERCONNECT SHEET INDEX
(2 OF 10)

CITY OF COLUMBUS TRAFFIC SIGNAL SYSTEM
(CTSS) PHASE F – FINAL SUBMITTAL

3676-E

MATCH LINE, SEE SHEET 232

HAYDEN RUN RD

AVERY RD

92 93 94

HAYDEN RD

SAWMILL RD

62 62 61 61

84 84

85 85

87 87

REED RD

BETHEL RD

88 88 90 90

72 72 73 74

74 76 76

HENDERSON RD

77 77 78 80 81 81 86

315

MATCH LINE, SEE SHEET 235

FISHINGER BLVD

419

W NORTH BROADWAY

418

ACKERMAN RD

KENNY RD

LANE AVE

264 265

ROBERTS RD

MATCH LINE, SEE SHEET 237

HORIZONTAL SCALE IN FEET
0 1500 3000

CIP: 540007-100060
PID NUMBER: 110521

INTERCONNECT SHEET INDEX
(3 OF 10)

CITY OF COLUMBUS TRAFFIC SIGNAL SYSTEM
(CTSS) PHASE F – FINAL SUBMITTAL

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MATCH LINE, SEE SHEET 233

MATCH LINE, SEE SHEET 234

MORSE RD

WESTERVILLE RD

CHERRY BOTTOM RD

HAMILTON RD

MORSE RD

82

GLENMONT AVE

N HIGH ST

INDIANOLA AVE

KARL RD

71

270

NORTH BROADWAY

421

140

141

142

OAKLAND PARK AVE

23

WEBER RD

155

156

MCGUFFEY RD

163

162

AGLER RD

STELZER RD

SUNBURY RD

420

HUDSON ST

161

670

MATCH LINE, SEE SHEET 236

MATCH LINE, SEE SHEET 238

0 2000 4000
HORIZONTAL SCALE IN FEET

CIP: 540007-100060
PID NUMBER: 110521

INTERCONNECT SHEET INDEX
(4 OF 10)

CITY OF COLUMBUS TRAFFIC SIGNAL SYSTEM
(CTSS) PHASE F – FINAL SUBMITTAL

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0 1500 3000
HORIZONTAL
SCALE IN FEET

CIP: 540007-100060
PID NUMBER: 110521

INTERCONNECT SHEET INDEX
(5 OF 10)

CITY OF COLUMBUS TRAFFIC SIGNAL SYSTEM
(CTSS) PHASE F – FINAL SUBMITTAL

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3676-E

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MATCH LINE, SEE SHEET 234

MATCH LINE, SEE SHEET 235

MATCH LINE, SEE SHEET 238

MATCH LINE, SEE SHEET 239

RENNER RD

278 279 280 281 282

INTERSTATE 270

INTERSTATE 70

292

291

290

HILLIARD ROME RD

DUBLIN RD

TRABUE RD

284 285 286

RIVERSIDE DR

287

288

296 295 294

PHILLIPI RD

BROAD ST

GEORGESVILLE RD

SULLIVANT AVE

307 308

WESTGATE AVE

KENNY RD

273 272 271

KING AVE

269 267 268

431

FIFTH AVE

436

433

THIRD ST

275 276

GRANDVIEW AVE

OLENTANGY RIVER RD

315

INTERSTATE 670

427

426

BROAD ST

TOWN ST

409

MOUND ST

INTERSTATE 71

0 1500 3000 HORIZONTAL SCALE IN FEET

CIP: 540007-100060
PID NUMBER: 110521

INTERCONNECT SHEET INDEX
(6 OF 10)

CITY OF COLUMBUS TRAFFIC SIGNAL SYSTEM
(CTSS) PHASE F – FINAL SUBMITTAL

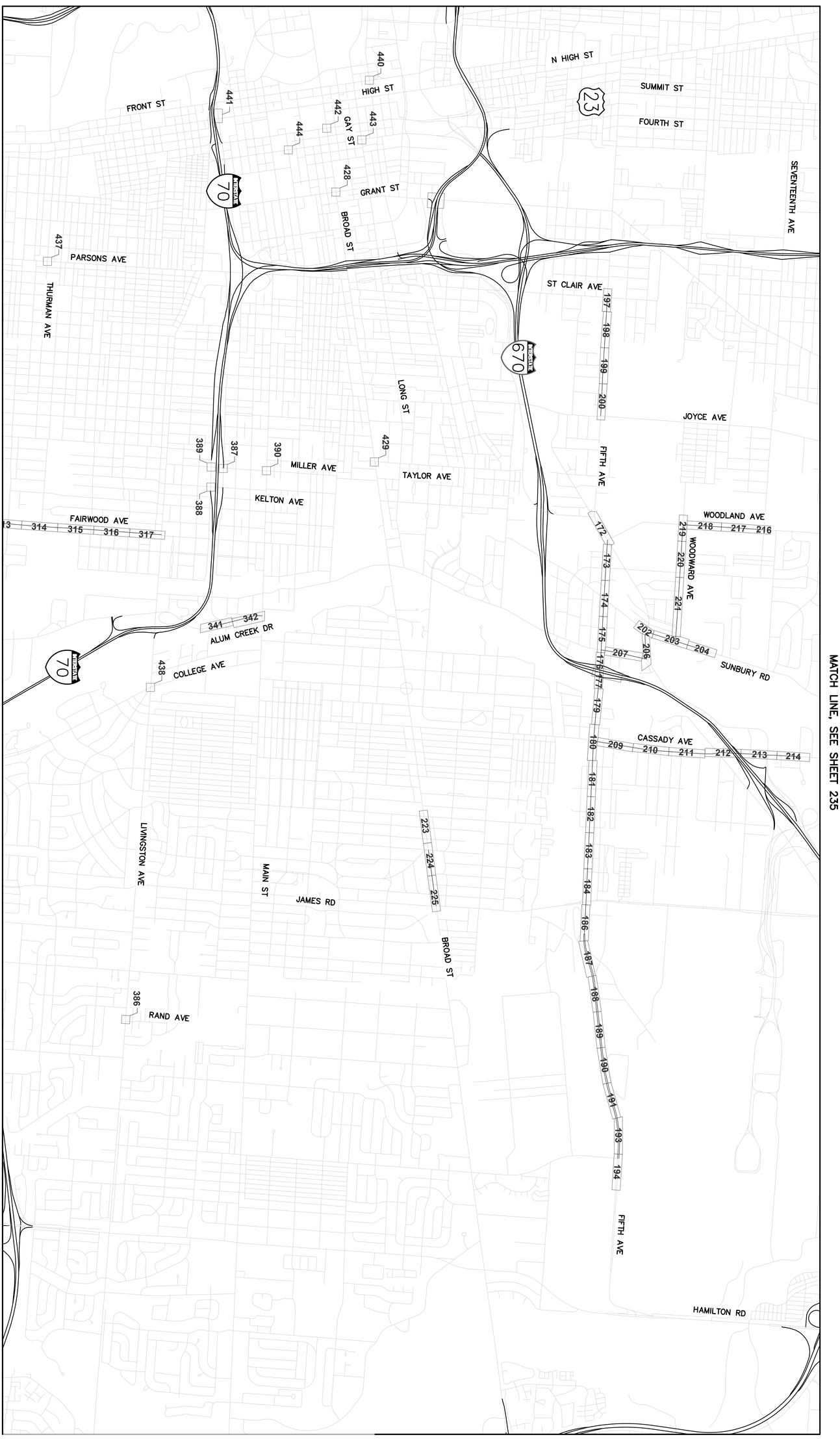
237
768

3676-E

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MATCH LINE, SEE SHEET 237



MATCH LINE, SEE SHEET 240

MATCH LINE, SEE SHEET 235

MATCH LINE, SEE SHEET 236

3676-E

MATCH LINE, SEE SHEET 237

HALL RD
GEORGESVILLE RD
CLIME RD
NORTON RD
423
ALKIRE RD
424
HARRISBURG PIKE
BROWN RD
HARDY PKWY ST
FRANK RD
GANTZ RD
299
298
I-270
I-71
104

MATCH LINE, SEE SHEET 240

3676-E

HORIZONTAL SCALE IN FEET
0 1500 3000

CIP: 540007-100060
PID NUMBER: 110521

INTERCONNECT SHEET INDEX
(8 OF 10)

CITY OF COLUMBUS TRAFFIC SIGNAL SYSTEM
(CTSS) PHASE F – FINAL SUBMITTAL

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MATCH LINE, SEE SHEET 238

MATCH LINE, SEE SHEET 239

MATCH LINE, SEE SHEET 241

104
23
33
270
INTERSTATE

FAIRWOOD AVE
PARSONS AVE
ALUM CREEK DR
COLLEGE AVE
REFUGEE RD
HAMILTON RD
NOE-BIXBY RD
WINCHESTER PIKE
WILLIAMS RD

436
435
434
319
320
310

HORIZONTAL SCALE IN FEET
0 1500 3000

CIP: 540007-100060
PID NUMBER: 110521

INTERCONNECT SHEET INDEX
(9 OF 10)

CITY OF COLUMBUS TRAFFIC SIGNAL SYSTEM
(CTSS) PHASE F – FINAL SUBMITTAL

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768

3676-E

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3676-E

0 1500 3000
HORIZONTAL SCALE IN FEET

CIP: 540007-100060
PID NUMBER: 110521

INTERCONNECT SHEET INDEX
(10 OF 10)

CITY OF COLUMBUS TRAFFIC SIGNAL SYSTEM
(CTSS) PHASE F - FINAL SUBMITTAL

INT #	PLAN SHEET #	INTERSECTION NAME	CORRIDOR	STATION
0014	440	INT# 0014: FRONT ST. AT SPRING ST.	FRONT ST.	
0026	443	INT# 0026: FOURTH ST. AT LONG ST.	FOURTH ST.	
0041	442	INT# 0041: BROAD ST. AT THIRD ST.	BROAD ST.	
0045	428	INT# 0045: BROAD ST. AT GRANT AVE.	BROAD ST.	
0064	444	INT# 0064: FOURTH ST. AT TOWN ST.	FOURTH ST.	
0087	441	INT# 0087: FULTON ST. AT HIGH ST.	HIGH ST.	
1004	427	INT# 1004: BROAD ST. AT SR-315 SB OFF RAMP	BROAD ST.	
1033	307	INT# 1033: INDUSTRIAL MILE RD. AT SULLIVANT AVE.	SULLIVANT AVE.	STA. 110+00 TO 121+00
1036	308	INT# 1036: GEORGESVILLE RD. AT SULLIVANT AVE.	SULLIVANT AVE.	STA. 121+00 TO 131+00
1044	426	INT# 1044: BROAD ST. AT WHITETHORNE AVE.	BROAD ST.	
1089	423	INT# 1089: GEORGESVILLE RD. AT NORTON RD.	GEORGESVILLE RD.	
1090	424	INT# 1090: ALKIRE RD. AT HARRISBURG PIKE	ALKIRE RD.	
1112	299	INT# 1112: GANTZ RD. AT HARDY PKWY.	GANTZ RD.	STA. 98+00 TO 108+00
2015	317	INT# 2015: FAIRWOOD AVE. AT LIVINGSTON AVE.	FAIRWOOD AVE.	STA. 176+00 TO 187+00
2018	438	INT# 2018: COLLEGE AVE. AT LIVINGSTON AVE.	LIVINGSTON AVE.	
2024	386	INT# 2024: LIVINGSTON AVE. AT RAND AVE.	LIVINGSTON AVE.	
2037	390	INT# 2037: MAIN ST. AT MILLER AVE.	MAIN ST.	
2043	437	INT# 2043: PARSONS AVE. AT THURMAN AVE.	PARSONS AVE.	
2049	436	INT# 2049: BARTHMAN AVE. AT PARSONS AVE.	PARSONS AVE.	
2051	435	INT# 2051: GROVEPORT RD. AT PARSONS AVE.	PARSONS AVE.	
2083	434	INT# 2083: PARSONS AVE. AT WILLIAMS RD.	PARSONS AVE.	
2084	319	INT# 2084: LOCKBOURNE RD. AT WILLIAMS RD.	WILLIAMS RD.	
2085	320	INT# 2085: GROVEPORT RD. AT WILLIAMS RD.	WILLIAMS RD.	
2086	328	INT# 2086: ALUM CREEK DR. AT WILLIAMS RD.	ALUM CREEK DR.	STA. 251+00 TO 262+00
2087	344	INT# 2087: HAMILTON RD. AT US-33 EB RAMPS	HAMILTON RD.	STA. 93+00 TO 102+00
2088	344	INT# 2088: HAMILTON RD. AT WILLIAMS RD.	HAMILTON RD.	STA. 93+00 TO 102+00
2092	346	INT# 2092: HAMILTON RD. AT PROFESSIONAL PARKWAY & BLAKESTONE LN	HAMILTON RD.	STA. 115+00 TO 127+00
2104	342	INT# 2104: ALUM CREEK DR. AT MAIN ST.	ALUM CREEK DR.	STA. 514+00 TO 524+00
2111	387	INT# 2111: COLE ST. AT MILLER AVE.	MILLER AVE.	
2114	389	INT# 2114: MILLER AVE. AT MOOBERRY ST.	MILLER AVE.	
2115	388	INT# 2115: KELTON AVE. AT MOOBERRY ST.	KELTON AVE.	
2133	312	INT# 2133: FAIRWOOD AVE. AT FREBIS AVE.	FAIRWOOD AVE.	STA. 127+00 TO 133+00
2134	311	INT# 2134: FAIRWOOD AVE. AT MOLER RD.	FAIRWOOD AVE.	STA. 122+00 TO 127+00
2136	310	INT# 2136: FAIRWOOD AVE. AT WATKINS RD.	FAIRWOOD AVE.	
2139	360	INT# 2139: COLLEGE AVE. AT PETZINGER RD.	COLLEGE AVE.	STA. 74+00 TO 85+00
2182	301	INT# 2182: HIGH ST. AT RATHMELL RD.	HIGH ST.	STA. 219+00 TO 230+00
2192	345	INT# 2192: HAMILTON RD. AT US 33 WB RAMPS	HAMILTON RD.	STA. 106+00 TO 115+00
2199	348	INT# 2199: NOE BIXBY RD. AT WINCHESTER PIKE	NOE BIXBY RD.	STA. 0+00 TO 7+00
2203	382	INT# 2203: GENDER RD. AT WINCHESTER PIKE	WINCHESTER PIKE	STA. 349+00 TO 353+00
2204	339	INT# 2204: ALUM CREEK DR. AT PERFORMANCE WAY	ALUM CREEK DR.	STA. 361+00 TO 373+00
2205	375	INT# 2205: HINES RD. AT TUSSING RD.	TUSSING RD.	
2207	346	INT# 2207: HAMILTON RD. AT HAMILTON SQUARE	HAMILTON RD.	STA. 115+00 TO 127+00
2211	358	INT# 2211: COLLEGE AVE. AT SCHAAF DR.	COLLEGE AVE.	STA. 52+00 TO 63+00
2212	332	INT# 2212: ALUM CREEK DR. AT NEW WORLD RD.	ALUM CREEK DR.	STA. 284+00 TO 295+00
2216	384	INT# 2216: GENDER RD. AT LEHMAN RD.	GENDER RD.	STA. 135+00 TO 141+00
2218	335	INT# 2218: ALUM CREEK DR. AT WATKINS RD.	ALUM CREEK DR.	STA. 317+00 TO 328+00
2219	376	INT# 2219: HIGHLAND PARK DR. AT TUSSING RD.	TUSSING RD.	
2850	341	INT# 2850: ALUM CREEK DR. AT HANFORD VILLAGE PARK	ALUM CREEK DR.	STA. 504+00 TO 514+00
3006	429	INT# 3006: BROAD ST. AT TAYLOR AVE.	BROAD ST.	
3037	197	INT# 3037: FIFTH AVE. AT ST CLAIR AVE.	FIFTH AVE.	STA. 195+00 TO 202+00
3040	420	INT# 3040: FOURTH ST. AT HUDSON ST.	FOURTH ST.	
3047	421	INT# 3047: INDIANOLA AVE. AT NORTH BROADWAY	INDIANOLA AVE.	
3048	155	INT# 3048: INDIANOLA AVE. AT WEBER RD.	WEBER RD.	STA. 34+00 TO 45+00
3065	156	INT# 3065: SILVER DR. AT WEBER RD.	WEBER RD.	STA. 45+00 TO 53+00
3074	224	INT# 3074: BROAD ST. AT HARDING RD.	BROAD ST.	STA. 913+00 TO 923+00
3075	225	INT# 3075: BROAD ST. AT JAMES RD.	BROAD ST.	STA. 923+00 TO 934+00
3099	172	INT# 3099: FIFTH AVE. AT LEONARD AVE./ WOODLAND AVE.	FIFTH AVE.	STA. 263+00 TO 274+00
3100	202	INT# 3100: AIRPORT DR./LEONARD AVE. AT SUNBURY RD.	SUNBURY RD.	STA. 48+00 TO 54+00
3101	206	INT# 3101: AIRPORT DR. AT NELSON RD.	AIRPORT DR.	STA. 1+00 TO 10+50
3102	174	INT# 3102: FIFTH AVE. AT SUNBURY RD.	FIFTH AVE.	STA. 285+00 TO 296+00
3104	175	INT# 3104: FIFTH AVE. AT NELSON AVE.	FIFTH AVE.	STA. 296+00 TO 307+00
3105	180	INT# 3105: CASSADY AVE. AT FIFTH AVE.	FIFTH AVE.	STA. 329+00 TO 340+00
3106	182	INT# 3106: FIFTH AVE. AT RARIG AVE.	FIFTH AVE.	STA. 351+00 TO 362+00
3108	190	INT# 3108: COLUMBUS INTERNATIONAL AIRCENTER AT FIFTH AVE.	FIFTH AVE.	STA. 428+00 TO 439+00
3122	200	INT# 3122: FIFTH AVE. AT JOYCE AVE.	FIFTH AVE.	STA. 224+00 TO 235+00
3127	216	INT# 3127: SEVENTEENTH AVE. AT WOODLAND AVE.	WOODLAND AVE.	STA. 47+00 TO 51+00
3137	161	INT# 3137: MOCK RD. AT SUNBURY RD.	SUNBURY RD.	
3138	163	INT# 3138: AGLER RD./CASSADY AVE. AT SUNBURY RD.	SUNBURY RD.	STA. 183+00 TO 194+50
3150	140	INT# 3150: McGUFFEY RD. AT OAKLAND PARK RD.	OAKLAND PARK RD.	
3151	141	INT# 3151: KARL RD. AT OAKLAND PARK RD.	OAKLAND PARK RD.	STA. 106+00 TO 116+00
3152	142	INT# 3152: MEDINA AVE. AT OAKLAND PARK RD.	OAKLAND PARK RD.	STA. 116+00 TO 122+00
3164	165	INT# 3164: CHERRY BOTTOM RD. AT MORSE RD.	MORSE RD.	STA. 396+00 TO 407+00
3197	151	INT# 3197: DEARBORN DR. AT WORTHINGTON GALENA RD.	WORTHINGTON GALENA RD.	
3199	152	INT# 3199: WORTHINGTON GALENA RD. AT WORTHINGTON WOODS BLVD.	WORTHINGTON GALENA RD.	

INT #	PLAN SHEET #	INTERSECTION NAME	CORRIDOR	STATION
3200	194	INT# 3200: FIFTH AVE. AT YEARLING RD.	FIFTH AVE.	STA. 461+00 TO 472+00
3201	159	INT# 3201: THORNAPPLE RD. AT WESTERVILLE RD.	WESTERVILLE RD.	STA. 165+00 TO 174+00
3202	212	INT# 3202: CASSADY RD. AT JOHNSTOWN RD.	CASSADY RD.	STA. 43+00 TO 54+00
3203	213	INT# 3203: AIRPORT DR. AT CASSADY RD.	CASSADY RD.	STA. 54+00 TO 65+00
3205	176	INT# 3205: FIFTH AVE. AT I-670 WB	FIFTH AVE.	STA. 307+00 TO 313+00
3206	177	INT# 3206: FIFTH AVE. AT I-670 EB	FIFTH AVE.	STA. 313+00 TO 318+00
3208	153	INT# 3208: PARK RD. AT WORTHINGTON GALENA RD.	WORTHINGTON GALENA RD.	
3217	146	INT# 3217: GEMINI PL. AT SOLSTICE PKWY.	GEMINI PL.	STA. 117+00 TO 128+00
3232	422	INT# 3232: POLARIS PKWY. AT SANCUS BLVD.	POLARIS PKWY.	
3234	144	INT# 3234: GEMINI PL. AT POLARIS PKWY.	GEMINI PL.	STA. 12+00 TO 106+00
3249	170	INT# 3249: KOHL'S & STONERIDGE PL. AT MORSE RD.	MORSE RD.	STA. 451+00 TO 458+00
3267	430	INT# 3267: BRICE RD. AT BROAD ST.	BROAD ST.	
3282	145	INT# 3282: ANTARES AVE. AT GEMINI PL.	GEMINI PL.	STA. 106+00 TO 117+00
3291	158	INT# 3291: MORSE RD. AT WESTERVILLE RD.	WESTERVILLE RD.	STA. 156+00 TO 165+00
3292	135	INT# 3292: HAMILTON RD. AT HEATHLAND LN.	HAMILTON RD.	STA. 859+00 TO 870+00
3300	124	INT# 3300: CENTRAL COLLEGE RD. AT LEE RD. & ULRY RD.	CENTRAL COLLEGE RD.	STA. 63+00 TO 73+00
3301	214	INT# 3301: CASSADY RD. AT PLAZA PROPERTIES BLVD.	CASSADY RD.	STA. 65+00 TO 75+00
3307	136	INT# 3307: HAMILTON RD. AT WARNER RD.	HAMILTON RD.	STA. 870+00 TO 881+00
3308	149	INT# 3308: OLDE WORTHINGTON RD. AT POLARIS PARKWAY	POLARIS PARKWAY	
3309	131	INT# 3309: CENTRAL COLLEGE RD. AT HARLEM RD.	CENTRAL COLLEGE RD.	STA. 139+00 TO 150+50
3312	148	INT# 3312: FERMI DR. AT IKEA WAY	IKEA WAY	
3314	129	INT# 3314: CENTRAL COLLEGE RD. AT HAMILTON RD.	CENTRAL COLLEGE RD.	STA. 116+50 TO 128+00
3811	204	INT# 3811: OHIO DOMINICAN AT SUNBURY RD.	SUNBURY RD.	STA. 65+00 TO 74+00
4000	418	INT# 4000: ACKERMAN RD. AT KENNY RD.	ACKERMAN RD.	
4030	78	INT# 4030: HENDERSON RD. AT LAURALAND DR.	HENDERSON RD.	
4031	77	INT# 4031: HENDERSON RD. AT KNIGHTSBRIDGE BLVD & DESANTIS DR.	HENDERSON RD.	
4043	82	INT# 4043: HENDERSON RD. AT HIGH ST.	HENDERSON RD.	
4055	269	INT# 4055: CHAMBERS RD. AT NORTHWEST BLVD.	NORTHWEST BLVD.	STA. 30+75 TO 41+50
4079	276	INT# 4079: OLENTANGY RIVER RD. AT THIRD AVE.	THIRD AVE.	STA. 61+00 TO 72+00
4086	433	INT# 4086: FIFTH AVE. AT OLENTANGY RIVER RD.	FIFTH AVE.	
4089	431	INT# 4089: FIFTH AVE. AT NORTHWEST BLVD.	FIFTH AVE.	
4092	76	INT# 4092: HENDERSON RD. AT LARWELL DR.	HENDERSON RD.	
4097	268	INT# 4097: KENNY RD. AT KING AVE.	KING AVE.	STA. 60+00 TO 68+00
4098	267	INT# 4098: KING AVE. AT NORTHWEST BLVD.	KING AVE.	STA. 49+00 TO 60+00
4108	81	INT# 4108: HENDERSON RD. AT OLENTANGY BLVD.	HENDERSON RD.	
4109	81	INT# 4109: HENDERSON RD. AT SR-315 NB RAMPS	HENDERSON RD.	
4110	80	INT# 4110: HENDERSON RD. AT OLENTANGY RIVER RD.	HENDERSON RD.	
4111	77	INT# 4111: HENDERSON RD. AT KENNY RD.	HENDERSON RD.	
4112	76	INT# 4112: HENDERSON RD. AT WINTERSET DR.	HENDERSON RD.	
4113	74	INT# 4113: HENDERSON RD. AT REED RD.	HENDERSON RD.	
4114	73	INT# 4114: GETTYSBURG RD. & GREEN TREE CENTER DR. AT HENDERSON RD.	HENDERSON RD.	
4115	72	INT# 4115: DIERKER RD. AT HENDERSON RD.	HENDERSON RD.	
4117	80	INT# 4117: JASONWAY AVE. AT OLENTANGY RIVER RD.	HENDERSON RD.	
4118	90	INT# 4118: BETHEL RD. AT OLENTANGY RIVER RD.	BETHEL RD.	
4119	275	INT# 4119: EDGEHILL RD. AT THIRD AVE.	THIRD AVE.	STA. 50+00 TO 61+00
4120	87	INT# 4120: BETHEL RD. AT GODOWN RD.	BETHEL RD.	
4121	87	INT# 4121: BETHEL RD. AT REED RD.	BETHEL RD.	
4122	85	INT# 4122: BETHEL RD. AT MCKITRICK BLVD.	BETHEL RD.	
4125	62	INT# 4125: BETHEL RD. AT SAWMILL RD.	SAWMILL RD.	
4141	90	INT# 4141: BETHEL RD. AT OLENTANGY PLAZA & OLENTANGY SQ.	BETHEL RD.	
4142	88	INT# 4142: BETHEL RD. AT KENNY RD.	BETHEL RD.	
4143	284	INT# 4143: MCKINLEY AVE AT TRABUE RD.	TRABUE RD.	STA. 181+00 TO 192+00
4144	70	INT# 4144: SAWMILL RD. AT SNOUFFER	SAWMILL RD.	
4147	121	INT# 4147: RIVERSIDE DR. AT RIVERSIDE GREEN DR.	RIVERSIDE DR.	
4148	108	INT# 4148: HARD RD. AT SMOKY ROW RD.	SMOKY ROW RD.	STA. 1010+50 TO 1022+00
4155	64	INT# 4155: CRANSTON DR. AT SAWMILL RD.	SAWMILL RD.	
4158	265	INT# 4158: KENNY RD. AT LANE AVE.	LANE AVE.	STA. 45+00 TO 56+00
4164	85	INT# 4164: BETHEL RD. AT DIERKER RD.	BETHEL RD.	
4165	67	INT# 4165: MARTIN RD. AT SAWMILL RD.	SAWMILL RD.	
4166	116	INT# 4166: SAWMILL RD. AT W CASE RD.	W CASE RD.	STA. 1+00 TO 10+00
4167	74	INT# 4167: FRANCISCO RD. AT REED RD.	REED RD.	
4169	68	INT# 4169: BANKER DR. AT SAWMILL RD.	SAWMILL RD.	
4170	68	INT# 4170: FEDERATED BLVD. AT SAWMILL RD.	SAWMILL RD.	
4171	65	INT# 4171: MEIJER AT SAWMILL RD.	SAWMILL RD.	
4185	62	INT# 4185: RESLER RD. AT SAWMILL RD.	SAWMILL RD.	
4186	84	INT# 4186: BETHEL RD. AT CARRIAGE PLACE SHOPPING CENTER	BETHEL RD.	
4187	84	INT# 4187: BETHEL RD. AT PICKFORDE DR.	BETHEL RD.	
4192	88	INT# 4192: BETHEL RD. AT JASONWAY AVE.	BETHEL RD.	
4197	65	INT# 4197: KRIER DR. & TULLER PKWY. AT SAWMILL RD.	SAWMILL RD.	
4205	100	INT# 4205: BENT TREE BLVD. AT SNOUFFER RD.	SNOUFFER RD.	STA. 41+00 TO 53+00
4214	419	INT# 4214: FISHINGER BLVD. AT SPRING MILL DR.	FISHINGER BLVD.	
4216	72	INT# 4216: ARLINGTON CENTRE BLVD. AT HENDERSON RD.	HENDERSON RD.	
4220	96	INT# 4220: CAINE RD. AT SNOUFFER RD.	SNOUFFER RD.	STA. 3+00 TO 14+00
4223	296	INT# 4223: FISHER RD. AT PHILLIPI RD.	PHILLIPI RD.	STA. 48+00 TO 61+00

2 REVISION 2.0

3676-E

CIP: 540007-100060
PID NUMBER: 110521

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FOR PLAN SHEETS SET 1 OF 2

CITY OF COLUMBUS TRAFFIC SIGNAL SYSTEM
(CTSS) PHASE F – FINAL SUBMITTAL

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INT #	PLAN SHEET #	INTERSECTION NAME	CORRIDOR	STATION
4230	278	INT# 4230: TRABUE RD. AT WALCUTT RD.	TRABUE RD.	STA. 26+00 TO 30+00
4234	292	INT# 4234: FISHER RD. AT HILLIARD-ROME RD.	HILLIARD-ROME RD.	
4238	61	INT# 4238: GIANT EAGLE AT SAWMILL RD.	SAWMILL RD.	
4244	104	INT# 4244: SMOKY ROW RD. AT SNOUFFER RD.	SMOKY ROW RD.	STA. 968+00 TO 978+00
4245	107	INT# 4245: BILLINGSLEY RD. AT SMOKY ROW RD.	SMOKY ROW RD.	STA. 999+00 TO 1010+50
4247	120	INT# 4247: DIERKER RD. AT W CASE RD.	W CASE RD.	STA. 43+00 TO 54+00
4253	61	INT# 4253: HENDERSON RD. AT SAWMILL RD.	SAWMILL RD.	
4255	70	INT# 4255: I-270 AT SAWMILL RD.	SAWMILL RD.	
4261	275	INT# 4261: THIRD AVE. AT YARD ST.	THIRD AVE.	STA. 50+00 TO 61+00
4263	196	INT# 4263: FIFTH AVE. AT HESS ST. & NORTON AVE.	FIFTH AVE.	
4264	94	INT# 4264: AVERY RD. AT RIGGINS RUN & HAYDEN RUN BLVD.	AVERY RD.	STA. 89+00 TO 100+00
4265	290	INT# 4265: GLENCHESTER DR. AT HILLIARD-ROME RD.	HILLIARD-ROME RD.	
4268	114	INT# 4268: SMOKY ROW RD. AT SUMMIT VIEW RD.	SMOKY ROW RD.	STA. 1066+00 TO 1077+00
4270	264	INT# 4270: CARMACK RD. AT LANE AVE.	LANE AVE.	STA. 34+00 TO 45+00
4275	291	INT# 4275: HILLIARD-ROME RD. AT MENARDS	HILLIARD-ROME RD.	
6253	287	INT# 6253: RIVERSIDE DR. AT TRABUE RD.	RIVERSIDE DR.	STA. 41+50 TO 46+00
SIG4015	162	INT# SIG4015: AGLER RD. AT SUNBURY RD.	SUNBURY RD.	STA. 172+00 TO 183+00
SIG4045	271	INT# SIG4045: CHAMBERS RD. AT KENNY RD.	KENNY RD.	STA. 12+00 TO 23+00
SIG4200	273	INT# SIG4200: KENNY RD. AT KINNEAR RD.	KENNY RD.	STA. 33+00 TO 37+00
SIG4240	350	INT# SIG4240: HARBOR BLVD. AT NOE BIXBY RD.	NOE BIXBY RD.	STA. 18+00 TO 29+00
SIG4335	294	INT# SIG4335: JANITROL RD. AT PHILLIPI RD.	PHILLIPI RD.	STA. 26+00 TO 37+00
SIG4780	92	INT# SIG4780: AVERY RD. AT HAYDEN RUN RD.	AVERY RD.	STA. 67+00 TO 78+00
SIG4895	282	INT# SIG4895: TRABUE RD. AT TRABUE WOODS BLVD.	TRABUE RD.	STA. 63+00 TO 74+00
SIG4930	378	INT# SIG4930: BRICE RD. AT WINCHESTER PIKE	WINCHESTER PIKE	STA. 310+00 TO 316+00

CIP: 540007-100060
PID NUMBER: 110521

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CITY OF COLUMBUS TRAFFIC SIGNAL SYSTEM
(CTSS) PHASE F – FINAL SUBMITTAL

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J:\Jobs\70202 - CTSS Phase F\TECHPROD\Sheets\Index\CTSS_PhF_Index-List-placeholder.dwg - INDEX LIST 2 OF 2 (VOL II) layout - last saved by: gburch 05/10/2022 10:06am ~ printed 06/02/2022 10:23am PSLTS: 0 LTS: 30 CAS: 1" = 1"

SHEET #	UTILITY CROSSING ID#	STATION	UTILITY TYPE/SIZE	TOP OF EXISTING UTILITY	EXISTING GROUND ELEVATION	BOTTOM OF PROPOSED ELEVATION	VERTICAL SEPARTION FEET	UTILITY REFERENCE PLAN OR OWNER
94	1	97+70, 53' LT	30" STORM	924.0 C	928.0 FG	925.0	1.0	CC6498
116	1	0+69, 23' LT	TELECOMS	-	891.4 SURV	888.4	-	AT&T
116	2	5+76, 20' LT	4" GAS	FV	895.5 SURV	892.5	-	COLUMBIA GAS
116	3	5+80, 18' LT	ELECTRIC	-	895.7 SURV	892.7	-	AT&T
116	4	5+81, 18' LT	TELECOMS	-	895.7 SURV	892.7	-	AEP
117	1	15+38, 15' LT	3" GAS	FV	902.1 SURV	899.1	-	COLUMBIA GAS
119	1	33+05, 14' LT	18" SANITARY	885.8 S	894.2 SURV	891.2	5.4	CC04925_007
119	2	33+39, 14' LT	48" STORM	893.6 LEVC	894.8 SURV	887.5 *(-)	-6.1	
119	3	33+95, 13' LT	FIBER OPTIC	FV	896.1 SURV	893.1	-	OSU
119	4	34+71, 13' LT	3" GAS	FV	896.3 SURV	893.3	-	COLUMBIA GAS
119	5	34+89, 13' LT	TELECOMS	-	896.3 SURV	893.3	-	AT&T
119	6	35+16, 13' LT	TELECOMS	-	896.4 SURV	893.4	-	AT&T
119	7	36+65, 13' LT	1" WATER	-	897.6 SURV	894.6	-	#204019
119	8	37+46, 13' LT	ELECTRIC	-	898.3 SURV	895.3	-	AEP
119	9	39+17, 14' LT	8" WATER	896.2 S	900.7 SURV	897.7	1.5	P1649_013
119	10	41+22, 13' LT	ELECTRIC	-	900.3 SURV	897.3	-	AEP
120	1	43+68, 13' LT	1" WATER	-	900.5 SURV	897.5	-	P-1649_013
129	1	118+12, 60' RT	30" SANITARY	953.0 C	978.1 SURV	975.1	22.1	RP18837
133	1	843+89, 91' LT	15" STORM	971.1 C	976.6 SURV	973.6	2.5	E01925
133	2	844+77, 92' LT	LIGHTING	-	976.4 SURV	973.4	-	
133	3	845+35, 85' LT	FIBER OPTIC	FV	974.9 SURV	971.9	-	L3 COMMUNICATIONS
133	4	847+85, 38' LT	12" STORM	973.8 C	975.3 SURV	971.2 *(-)	-2.6	E01806
134	1	852+06, 38' LT	12" STORM	973.2 C	976.1 SURV	974.2 *(+)	1.0	E01806
134	2	856+91, 38' LT	12" STORM	973.6 C	977.0 SURV	974.6 *(+)	1.0	E01806
134	3	858+62, 44' LT	15" SANITARY	956.1 C	978.3 SURV	975.3	19.1	RP09599
135	1	859+19, 34' LT	ELECTRIC	-	978.6 SURV	975.6	-	AEP
135	2	859+48, 29' LT	TRAFFIC	-	-	-	-	
135	3	859+63, 27' LT	4" GAS	-	-	-	-	COLUMBIA GAS
135	4	859+80, 25' LT	36" STORM	0.0 C	979.3 SURV	976.3	976.3	E01806
135	5	860+79, 24' LT	15" STORM	0.0 C	980.0 SURV	976.1 *(-)	976.1	E03361
135	6	860+94, 26' LT	15" STORM	-	-	-	-	E03361
135	7	860+97, 26' LT	ELECTRIC	-	980.2 SURV	977.2	-	AEP
135	8	861+40, 32' LT	6" WATER SERVICE	FV	979.5 SURV	976.5	-	WSP5432_002
135	9	861+81, 26' RT	LIGHTING	-	-	-	-	
135	10	863+40, 31' RT	1.5" WATER SERVICE	-	-	-	-	WSP5131_004
135	11	864+82, 31' RT	6" WATER	-	-	-	-	FRA_HAMILTON_RD_007
135	12	864+94, 32' RT	12" WATER	-	-	-	-	FRA_HAMILTON_RD_007
135	13	866+59, 32' RT	ELECTRIC	-	-	-	-	AEP
135	14	868+50, 30' RT	WATER SERVICE (UNK")	-	-	-	-	NO PLAN ID
135	15	868+52, 30' RT	WATER SERVICE (UNK")	-	-	-	-	NO PLAN ID
136	1	871+24, 33' RT	8" SANITARY	-	-	-	-	RP09599
136	2	871+79, 32' RT	21" STORM	-	-	-	-	E01806
136	3	873+89, 35' RT	6" WATER	-	-	-	-	FRA_HAMILTON_RD_007
136	4	874+31, 32' RT	LIGHTING	-	-	-	-	
136	5	875+57, 27' RT	4" GAS	-	-	-	-	COLUMBIA GAS
136	6	875+74, 28' RT	ELECTRIC	-	-	-	-	AEP
136	7	876+27, 31' RT	12" WATER	-	-	-	-	CTP0861_009
136	8	876+99, 32' RT	ELECTRIC	-	-	-	-	AEP
136	9	877+85, 29' RT	24" STORM	-	-	-	-	E01806
136	10	879+35, 28' RT	6" WATER	-	-	-	-	FRA_HAMILTON_RD_008
137	1	881+69, 33' RT	ELECTRIC	-	978.6 SURV	975.6	-	AEP
137	2	881+90, 33' RT	8" SANITARY	965.6 C	977.9 SURV	974.9	9.3	RP10793
137	3	889+59, 32' RT	ELECTRIC	-	968.7 SURV	965.7	-	AEP
137	4	891+68, 29' RT	36" STORM	967.0 LEVC	967.7 SURV	962.0 *(-)	-5.0	E01806
138	1	893+46, 32' RT	18" SANITARY	954.0 C	965.9 SURV	962.9	8.9	RP09600
138	2	893+91, 35' RT	12" STORM	964.8 C	965.4 SURV	962.2 *(-)	-2.6	E01806
138	3	894+08, 37' RT	24" STORM	-	-	-	-	E03431
138	4	897+07, 41' RT	ELECTRIC	-	969.1 SURV	966.1	-	AEP
138	5	898+04, 38' RT	8" WATER	FV	969.9 SURV	966.9	-	FRA-HAMILTON-RD_010
138	6	898+43, 41' RT	12" STORM	-	-	-	-	CC16463
138	7	898+68, 42' RT	30" STORM	968.0 C	969.9 SURV	963.6 *(-)	-4.4	E01806
138	8	900+21, 42' RT	ELECTRIC	-	971.2 SURV	968.2	-	AEP
138	9	901+70, 46' RT	12" STORM	970.9 C	973.2 SURV	968.3 *(-)	-2.6	E01806
138	10	901+77, 46' RT	ELECTRIC	-	973.3 SURV	970.3	-	AEP
138	11	902+98, 46' RT	2" WATER	-	975.6 SURV	972.6	-	FRA-HAMILTON-RD_010
144	1	12+68, 83' LT	LIGHTING	-	922.0 SURV	919.0	-	
144	2	12+80, 75' LT	LIGHTING	-	922.0 SURV	919.0	-	
144	3	13+25, 55' LT	TELECOMS	-	922.5 SURV	919.5	-	
144	4	100+07, 50' LT	FIBER OPTIC	PENDING	922.6 SURV	919.6	-	L3 COMMUNICATIONS
144	5	100+48, 42' LT	ELECTRIC	-	921.5 SURV	918.5	-	
144	6	100+63, 41' LT	LIGHTING	-	921.0 SURV	918.0	-	
144	7	100+87, 40' LT	12" WATER	909.1 S	920.6 SURV	917.6	8.5	WL1991-28_010
144	8	100+91, 40' LT	TRAFFIC	-	920.4 SURV	917.4	-	
144	9	100+99, 40' LT	15" SANITARY	901.7 C	920.2 SURV	917.2	15.5	RP07219
144	10	101+02, 40' LT	FIBER OPTIC	FV	920.2 SURV	917.2	-	COLUMBUS FIBERNET
144	11	101+14, 40' LT	4" GAS	FV	920.2 SURV	917.2	-	SUBURBAN NATURAL GAS

SHEET #	UTILITY CROSSING ID#	STATION	UTILITY TYPE/SIZE	TOP OF EXISTING UTILITY	EXISTING GROUND ELEVATION	BOTTOM OF PROPOSED ELEVATION	VERTICAL SEPARTION FEET	UTILITY REFERENCE PLAN OR OWNER
144	12	105+38, 35' LT	18" STORM	911.9 C	914.6 SURV	908.7 *(-)	-3.2	E01652
144	13	105+66, 35' LT	FIBER OPTIC	FV	914.6 SURV	911.6	-	
145	1	106+09, 35' LT	LIGHTING	-	915.0 SURV	912.0	-	
145	2	106+84, 32' LT	FIBER OPTIC	FV	915.2 SURV	909.0 *(-)	-	L3 COMMUNICATIONS
145	3	107+05, 32' LT	48" X 192" CULVERT	914.4 LEVC	915.2 SURV	905.9 *(-)	-8.5	E01652_019
145	4	107+35, 32' LT	TELECOMS	-	915.0 SURV	905.9 *(-)	-	
145	5	107+45, 32' LT	21" SANITARY	900.8 C	915.0 SURV	905.9 *(-)	5.1	CC07915
145	6	107+62, 32' LT	12" WATER	909.5 S	914.6 SURV	905.0 *(-)	-4.5	WL1991-28_010
145	7	108+55, 34' LT	LIGHTING	-	914.3 SURV	911.3	-	
145	8	108+83, 42' LT	ELECTRIC	-	914.4 SURV	911.4	-	
145	9	109+23, 45' LT	12" STORM	910.8 C	914.2 SURV	908.2 *(-)	-2.6	E02672
145	10	111+04, 45' LT	FIBER OPTIC	FV	914.7 SURV	911.7	-	
145	11	112+07, 43' LT	ELECTRIC	-	915.0 SURV	912.0	-	
145	12	113+09, 35' LT	LIGHTING	-	915.1 SURV	912.1	-	
145	13	113+17, 29' LT	18" STORM	912.9 C	914.9 SURV	909.7 *(-)	-3.2	E02264_011
145	14	113+59, 22' LT	6" WATER	910.0 S	915.1 SURV	912.1	2.1	WSP4389_001
145	15	115+45, 33' LT	LIGHTING	-	916.6 SURV	913.6	-	
145	16	115+62, 39' LT	FIBER OPTIC	-	917.0 SURV	914.0	-	L3 COMMUNICATIONS
145	17	115+70, 42' LT	6" GAS	FV	917.1 SURV	914.1	-	COLUMBIA GAS
145	18	116+17, 47' LT	LIGHTING	-	917.7 SURV	914.7	-	
146	1	118+60, 42' LT	FIBER OPTIC	FV	916.8 SURV	913.8	-	
146	2	119+07, 39' LT	12" STORM	914.1 C	916.4 SURV	911.5 *(-)	-2.6	E03400
146	3	119+25, 39' LT	6" WATER SERVICE	FV	916.3 SURV	913.3	-	WSP5840
146	4	120+20, 39' LT	6" WATER SERVICE	FV	915.2 SURV	912.2	-	WSP4393
146	5	121+87, 41' LT	FIBER OPTIC	FV	913.8 SURV	910.8	-	
146	6	122+77, 46' LT	FIBER OPTIC	FV	913.3 SURV	910.3	-	
146	7	122+84, 45' LT	ELECTRIC	-	913.2 SURV	910.2	-	AEP
146	8	122+84, 45' LT	ELECTRIC	-	913.2 SURV	910.2	-	AEP
163	1	192+32, 56' LT	42" WATER	798.6 S	804.8 FG	801.8	3.2	CTP0413_009
169	1	445+86, 36' LT	48" WATER	930.5 S	934.8 SURV	931.8	1.3	CTP0308
169	2	445+86, 34' LT	LIGHTING	-	934.8 SURV	931.8	-	
169	3	447+34, 9' LT	12" STORM	937.7 C	939.7 SURV	934.1 *(-)	-3.6	E01915
169	4	448+98, 10' LT	TELECOMS	-	945.5 SURV	942.5	-	AT&T
169	5	449+53, 10' LT	12" STORM	944.5 C	947.0 SURV	941.4 *(-)	-3.1	E01915
170	1	453+40, 16' LT	GAS	FV	949.7 SURV	946.7	-	COLUMBIA GAS
170	2	454+16, 35' LT	48" WATER	945.4 S	948.9 SURV	946.4 *(+)	1.0	CTP0541_016
170	3	454+17, 40' LT	TRAFFIC	-	948.7 SURV	945.7	-	
170	4	454+18, 42' LT	LIGHTING	-	948.6 SURV	945.6	-	
170	5	454+18, 46' LT	24" WATER	944.9 S	948.9 SURV	945.9 *(+)	1.0	CTP0461_004
170	6	454+20, 54' LT	TELECOMS	-	949.4 SURV	946.4	-	
170	7	454+20, 55' LT	20" WATER	FV	949.5 SURV	946.5	-	CTP0799
170	8	454+21, 63' LT	CABLE TV	-	950.1 SURV	947.1	-	
170	9	454+22, 67' LT	TELECOMS	-	950.5 SURV	947.5	-	
170	10	455+45, 55' RT	8" GAS	FV	946.4 SURV	943.4	-	
176	1	311+39, 49' RT	LIGHTING	-	776.0 FG	773.0	-	

FG: SURFACE ELEVATION DETERMINED BY FRANKLIN COUNTY GIS, ACCURACY OF ±0.5'
BG: ELEVATION BELOW GRADE
SURV: SURFACE ELEVATION DETERMINED BY SURVEY
LEVA: FIELD VERIFIED ELEVATION, LEVEL A SUE
LEVB: FIELD VERIFIED ELEVATION, LEVEL B SUE
LEVC: FIELD VERIFIED ELEVATION, LEVEL C SUE
S: ELEVATION SCALED FROM PLANS
C: ELEVATION CALCULATED USING INVERT FROM COC DEPT OF PUBLIC WORKS GIS DATABASE
UND: ELEVATIONS COULD NOT BE DETERMINED FROM RECORD PLANS AND WILL BE SHOWN AFTER THE FIELD SUE INVESTIGATION
–: VARYING ELEVATIONS. DEPTHS ARE UNKNOWN
*(+): PROPOSED CONDUIT HAS BEEN ADJUSTED ABOVE THE TOP OF EXISTING UTILITY TO MEET MINIMUM VERTICAL CLEARANCE REQUIREMENT OF 1.0'
*(–): PROPOSED CONDUIT HAS BEEN ADJUSTED BELOW THE BOTTOM OF EXISTING UTILITY TO MEET MINIMUM VERTICAL CLEARANCE REQUIREMENT OF 1.0'
FV: ACTUAL ELEVATION NOT IDENTIFIED DURING DESIGN. CONTRACTOR TO VERIFY DURING CONSTRUCTION.

IF THE VERTICAL SEPARATION IS LESS THAN ONE FOOT (1') OR IF THE ELEVATION IS NOT SHOWN OR IS LISTED AS UND, THE CONTRACTOR SHALL EXPOSE THE EXISTING UTILITY AND ADJUST THE PROPOSED CONDUIT DEPTH TO 18"–60" TO MEET VERTICAL CLEARANCE REQUIREMENTS BY DIRECTION OF THE CITY OF COLUMBUS REPRESENTATIVE.

2 REVISION 2.0

3676-E

CIP: 540007–100060
PID NUMBER: 110521

UTILITY CROSSING INDEX
1 OF 3

CITY OF COLUMBUS TRAFFIC SIGNAL SYSTEM
(CTSS) PHASE F – FINAL SUBMITTAL

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SHEET #	UTILITY CROSSING ID#	STATION	UTILITY TYPE/SIZE	TOP OF EXISTING UTILITY	EXISTING GROUND ELEVATION	BOTTOM OF PROPOSED ELEVATION	VERTICAL SEPARTION FEET	UTILITY REFERENCE PLAN OR OWNER
177	1	313+78, 43' RT	LIGHTING	-	778.0 FG	775.0	-	
184	1	382+25, 44' RT	21" STORM	788.4 C	800.7 FG	797.7	9.3	C00227
194	1	462+84, 46' LT	12" SANITARY	793.3 C	803.7 FG	800.7	7.4	RP01213
198	1	211+38, 32' LT	LIGHTING	-	820.2 FG	817.2	-	
198	2	211+42, 17' LT	15" STORM	817.5 C	820.0 FG	818.5 *(+)	1.0	CC00762_003
198	3	211+89, 5' LT	16" STORM (ABAN)	-	818.3 FG	815.3	-	CC00762_003
198	4	212+64, 5' LT	12" STORM	813.1 C	818.0 FG	815.0	1.9	CC00762_003
198	5	212+66, 5' LT	15" STORM	813.3 C	818.0 FG	815.0	1.7	CC00762_003
199	1	213+84, 7' LT	12" STORM	813.2 C	819.9 FG	816.9	3.7	CC00762_003
199	2	214+47, 34' LT	LIGHTING	-	823.0 FG	820.0	-	
199	3	216+11, 47' LT	27" STORM	830.7 C	834.6 FG	831.6	1.0	CC00762_003
199	4	216+12, 51' LT	16" WATER	831.0 S	835.9 FG	832.9	1.9	CTP0056_037
212	1	47+70, 42' LT	15" STORM	FV	814.0 FG	811.0	-	CC16860
212	2	48+76, 42' LT	12" WATER	810.8 S	814.0 FG	811.8	1.0	CTP0621_002
224	1	915+44, 43' LT	FIBER OPTIC	-	795.8 SURV	792.8	-	
224	2	915+49, 45' LT	LIGHTING	-	795.8 SURV	792.8	-	
224	3	915+58, 43' LT	LIGHTING	-	795.9 SURV	792.9	-	
224	4	915+57, 41' LT	FIBER OPTIC	-	795.8 SURV	792.8	-	
224	5	915+55, 33' LT	TELECOMS	-	795.8 SURV	792.8	-	
224	6	915+57, 27' RT	LIGHTING	-	796.1 SURV	793.1	-	
224	7	915+57, 33' RT	TRAFFIC	-	796.1 SURV	793.1	-	
224	8	916+03, 47' RT	LIGHTING	-	795.8 SURV	792.8	-	
224	9	919+14, 49' RT	12" STORM	791.4 C	794.7 SURV	791.7	0.3	CC15985
224	10	919+87, 49' RT	12" STORM	790.9 C	794.3 SURV	791.3	0.4	CC15985
225	1	924+18, 51' RT	12" STORM	788.4 C	792.3 SURV	789.4 *(+)	1.0	CC15985
225	2	928+62, 52' RT	12" STORM	786.4 C	790.1 SURV	787.4 *(+)	1.0	CC15985
225	3	928+79, 52' RT	8" WATER	FV	790.0 SURV	787.0	-	CYP0044_001
225	4	929+04, 53' RT	FIBER OPTIC	FV	790.0 SURV	787.0	-	
225	5	929+55, 54' RT	0.75" WATER SERVICE	-	790.4 SURV	787.4	-	#160182
264	1	36+04, 43' LT	FIBER OPTIC	789.3 S	793.9 FG	790.9	1.6	E03381_029
264	2	36+08, 44' LT	TELECOMS	786.2 S	793.7 FG	790.7	4.5	E03381_029
264	3	36+39, 42' LT	ELECTRIC	782.2 S	792.0 FG	789.0	6.9	E03381_029
264	4	36+66, 42' LT	12" WATER	780.5 S	792.0 FG	789.0	8.5	E03381_029
264	5	37+19, 41' LT	12" WATER	786.5 S	791.7 FG	788.7	2.2	E03381_029
264	6	37+29, 41' LT	TELECOMS	786.7 S	791.5 FG	788.5	1.8	E03381_029
264	7	39+36, 39' LT	12" STORM	780.1 S	786.0 FG	783.0	2.9	E03381_029
264	8	42+33, 38' LT	WATER SERVICE	776.2 S	779.6 FG	777.2 *(+)	1.0	E03381_030
265	1	45+27, 38' LT	2" WATER	768.8 S	773.0 FG	770.0	1.2	E03381_030
265	2	49+59, 37' LT	ELECTRIC	760.5 S	764.0 FG	761.5 *(+)	1.0	E03381_031
265	3	52+15, 49' LT	TELECOMS	758.5 S	760.4 SURV	757.4	-1.1	E03381_032
265	4	53+26, 54' LT	12" WATER	754.6 S	759.5 SURV	756.5	1.9	E03381_032
265	5	53+53, 57' LT	12" STORM	FV	759.4 SURV	756.4	-	E03381_032
267	1	51+63, 105' LT	GAS	FV	785.0 SURV	782.0	-	COLUMBIA GAS
267	2	51+70, 24' LT	4" GAS	FV	783.9 SURV	780.9	-	COLUMBIA GAS
267	3	51+79, 0' RT	30" STORM	777.9 C	783.4 SURV	780.4	2.5	RP00836
267	4	51+82, 7' RT	LIGHTING	-	783.3 SURV	780.3	-	
267	5	51+85, 10' RT	8" WATER	FV	783.2 SURV	780.2	-	K_1_104
267	6	51+86, 12' RT	18" STORM	778.1 C	783.1 SURV	780.1	2.0	RP00836
267	7	51+95, 22' RT	8" SANITARY	774.2 LEVC	783.0 SURV	780.0	5.8	RP00827
269	1	31+12, 20' RT	0.75" WATER SERVICE	-	785.9 SURV	782.9	-	#161118
269	2	31+23, 19' RT	8" WATER	FV	786.0 SURV	783.0	-	N_1_146
269	3	31+37, 18' RT	4" GAS	FV	785.9 SURV	782.9	-	COLUMBIA GAS
269	4	31+50, 17' RT	12" SANITARY	774.7 C	785.9 SURV	782.9	8.2	RP20103
269	5	31+56, 17' RT	GAS SERVICE	FV	785.7 SURV	782.7	-	COLUMBIA GAS
269	6	31+80, 17' RT	0.75" WATER SERVICE	-	785.3 SURV	782.3	-	#72379
269	7	32+05, 18' RT	0.75" WATER SERVICE	-	785.0 SURV	782.0	-	
269	8	32+24, 9' RT	10" SANITARY	775.5 LEVC	784.7 SURV	781.7	6.2	C221
269	9	32+25, 23' LT	LIGHTING	-	784.6 SURV	781.6	-	
269	10	32+26, 25' LT	1.5" WATER	-	784.6 SURV	781.6	-	12-233
269	11	32+26, 33' LT	4" GAS	FV	785.0 SURV	782.0	-	COLUMBIA GAS
269	12	32+61, 45' LT	GAS SERVICE	FV	785.1 SURV	782.1	-	COLUMBIA GAS
269	13	32+93, 44' LT	0.75" WATER SERVICE	-	784.9 SURV	781.9	-	#732801
269	14	33+51, 37' LT	1.5" WATER	-	783.6 SURV	780.6	-	12-233_004
269	15	33+69, 37' LT	8" STORM	779.6 C	783.0 SURV	780.6 *(+)	1.0	MSIUS 71-12
269	16	33+76, 37' LT	8" WATER	FV	783.0 SURV	780.0	-	12-233_004
269	17	34+07, 36' LT	8" SANITARY	783.8 LEVC	783.1 SURV	780.1	-3.7	MSIUS071-12
269	18	34+07, 36' LT	4" GAS	FV	783.1 SURV	780.1	-	COLUMBIA GAS
269	19	34+08, 36' LT	LIGHTING	-	783.0 SURV	780.0	-	
269	20	34+31, 36' LT	GAS	FV	783.3 SURV	780.3	-	COLUMBIA GAS
269	21	34+79, 37' LT	1" WATER SERVICE	-	784.2 SURV	781.2	-	#72765
269	22	35+27, 38' LT	1" WATER SERVICE	-	784.6 SURV	781.6	-	#72766
269	23	35+38, 38' LT	GAS SERVICE	FV	784.8 SURV	781.8	-	COLUMBIA GAS
269	24	35+40, 38' LT	GAS SERVICE	FV	784.9 SURV	781.9	-	COLUMBIA GAS
269	25	35+57, 38' LT	1" WATER SERVICE	-	785.3 SURV	782.3	-	#72767
269	26	35+92, 36' LT	GAS SERVICE	FV	786.0 SURV	783.0	-	COLUMBIA GAS
269	27	36+37, 35' LT	WATER SERVICE	-	786.9 SURV	783.9	-	

SHEET #	UTILITY CROSSING ID#	STATION	UTILITY TYPE/SIZE	TOP OF EXISTING UTILITY	EXISTING GROUND ELEVATION	BOTTOM OF PROPOSED ELEVATION	VERTICAL SEPARTION FEET	UTILITY REFERENCE PLAN OR OWNER
269	28	36+64, 34' LT	0.75" WATER SERVICE	-	787.2 SURV	784.2	-	
269	29	36+77, 34' LT	8" SANITARY	778.7 LEVC	787.3 SURV	784.3	5.6	C560
269	30	37+28, 34' LT	WATER SERVICE	-	788.0 SURV	785.0	-	
269	31	38+01, 37' LT	LIGHTING	-	788.7 SURV	785.7	-	
269	32	38+03, 38' LT	WATER SERVICE	-	788.7 SURV	785.7	-	
269	33	38+04, 38' LT	WATER SERVICE	-	788.7 SURV	785.7	-	
269	34	38+13, 38' LT	0.75" WATER SERVICE	-	788.8 SURV	785.8	-	#84007
269	35	38+71, 38' LT	4" GAS	FV	789.6 SURV	786.6	-	COLUMBIA GAS
280	1	44+36, 34' LT	18" STORM	901.9 C	906.6 FG	903.6	1.7	E03380
280	2	50+55, 22' LT	15" SANITARY	882.5 C	924.2 FG	921.2	38.7	CC01370
281	1	58+90, 28' LT	24" STORM	896.6 C	903.9 FG	900.9	4.3	E03380
282	1	64+60, 21' LT	16" WATER	885.0 S	890.3 FG	887.3	2.3	CTP0446_007
285	1	200+05, 36' RT	LIGHTING	-	768.0 FG	765.0	-	
285	2	200+12, 33' LT	LIGHTING	-	767.5 FG	764.5	-	
285	3	200+38, 31' LT	12" STORM	-	766.4 FG	763.4	-	CC08615_003
285	4	200+51, 24' LT	LIGHTING	-	766.4 FG	763.4	-	
286	1	205+15, 26' LT	LIGHTING	-	762.0 FG	759.0	-	
286	2	207+94, 28' LT	LIGHTING	-	760.9 FG	757.9	-	
286	3	209+96, 32' LT	LIGHTING	-	760.0 FG	757.0	-	
286	4	211+06, 38' LT	TELECOMS	-	760.0 FG	757.0	-	
286	5	211+07, 38' LT	LIGHTING	-	760.0 FG	757.0	-	
286	6	212+17, 45' RT	2" GAS	FV	760.1 FG	757.1	-	COLUMBIA GAS
286	7	212+19, 47' RT	12" STORM	FV	760.2 FG	757.2	-	CC07539
286	8	212+41, 50' RT	LIGHTING	-	760.8 FG	757.8	-	
286	9	212+52, 47' RT	8" WATER	754.1 S	761.1 FG	758.1	4.0	WL1995-62_5A
286	10	212+84, 41' RT	2" GAS	FV	761.7 FG	758.7	-	COLUMBIA GAS
286	11	212+84, 41' RT	12" STORM	FV	761.7 FG	758.7	-	CC07539
287	1	213+63, 38' RT	2" GAS	FV	763.2 FG	760.2	-	COLUMBIA GAS
287	2	214+20, 43' RT	2" GAS	FV	764.0 FG	761.0	-	COLUMBIA GAS
305	1	266+29, 75' LT	12" WATER	689.5 S	694.0 FG	691.0	1.5	CTP0600_013
305	2	266+29, 76' LT	LIGHTING	-	694.0 FG	691.0	-	
324	1	208+13, 73' RT	24" STORM	738.0 C	743.2 FG	740.2	2.2	E01831
324	2	213+43, 55' RT	6" STORM	742.4 C	746.0 FG	743.4 *(+)	1.0	E01831
324	3	215+77, 64' RT	12" SANITARY	FV	748.0 FG	745.0	-	E01831
324	4	216+08, 73' RT	27" STORM	741.9 C	748.0 FG	745.0	3.1	E01831
324	5	216+10, 84' RT	8" WATER	FV	748.3 FG	745.3	-	E01831
328	1	260+67, 46' LT	LIGHTING	-	758.5 FG	755.5	-	
328	2	260+68, 33' LT	30" WATER	753.7 S	758.3 FG	755.3	1.6	01-164_333
328	3	260+68, 19' LT	18" SANITARY	736.8 C	758.2 FG	755.2	18.4	CC18092
328	4	260+80, 45' RT	LIGHTING	-	756.0 FG	753.0	-	
341	1	509+02, 34' RT	8" SANITARY	734.5 C	752.0 FG	749.0	14.5	FRA-40-14.55
341	2	510+17, 35' RT	1" WATER	-	752.0 FG	749.0	-	#266414
348	1	5+18, 35' RT	6" GAS	FV	750.0 FG	747.0	-	
349	1	10+03, 28' RT	GAS	FV	750.7 FG	747.7	-	
349	2	14+44, 28' RT	GAS SERVICE	FV	750.0 FG	747.0	-	
349	3	16+ 42, 27' RT	GAS SERVICE	FV	748.0 FG	745.0	-	
349	4	17+76, 30' RT	GAS SERVICE	FV	748.0 FG	745.0	-	
350	1	19+92, 30' RT	GAS SERVICE	FV	748.0 FG	745.0	-	
350	2	21+50, 30 RT	GAS SERVICE	FV	749.5 FG	746.5	-	
350	3	22+95, 29' RT	2" GAS	FV	750.7 FG	747.7	-	
350	4	23+76, 28' RT	GAS SERVICE	FV	752.0 FG	749.0	-	
350	5	26+42, 24' RT	GAS SERVICE	FV	751.7 FG	748.7	-	
358	1	54+29, 63' RT	LIGHTING	-	762.0 FG	759.0	-	
358	2	54+44, 31' RT	ELECTRIC	-	762.0 FG	759.0	-	DPU
358	3	56+09, 7' LT	18" STORM	FV	759.3 FG	756.3	-	D04237
358	4	60+85, 30' LT	66" STORM	FV	754.0 FG	751.0	-	D04237
359	1	63+02, 29' LT	12" STORM	FV	752.6 FG	749.6	-	ATLAS
359	2	63+90, 176' LT	LIGHTING	-	759.2 FG	756.2	-	
359	3	65+05, 187' LT	LIGHTING	-	772.6 FG	769.6	-	
359	4	67+96, 27' LT	72" STORM	753.6 S	756.0 FG	754.6 *(+)	1.0	FRA-40-17.26_310
359	5	70+22, 30' LT	8" STORM	FV	757.6 FG	754.6	-	CC01581
359	6	72+26, 28' LT	12" WATER	752.4 S	758.0 FG	755.0	2.6	CTP0298_007
359	7	72+31, 28' LT	LIGHTING	-	758.0 FG	755.0	-	
360	1	80+67, 70' RT	LIGHTING	-	755.0 FG	752.0	-	
360	2	80+89, 30' RT	TRAFFIC	-	754.0 FG	751.0	-	
360	3	82+35, 13' RT	91" STORM	745.7	750.9 FG	747.9	2.2	FRA-33-22.46
361	1	95+08, 67' LT	LIGHTING	-	754.4 FG	751.4	-	
361	2	95+10, 67' LT	LIGHTING	-	754.4 FG	751.4	-	
363	1	4+25, 18' RT	STORM	FV	743.3 FG	740.3	-	
363	2	4+90, 18' RT	21" SANITARY	730.2 S	743.8 FG	740.8	10.6	RP02958
364	1	577+40, 110' LT	30" STORM	FV	739.4 FG	736.4	-	FRA-104-12.41_50
364	2	577+42, 133' LT	24" WATER	731.6 S	740.5 FG	737.5	5.9	CTP0362_005
364	3	120+21, 67' RT	LIGHTING	-	742.0 FG	739.0	-	
364	4	120+21, 71' RT	LIGHTING	-	741.4 FG	738.4	-	
366	1	212+38, 9' RT	15" STORM	FV	746.0 FG	743.0	-	FRA-270-15.19S_152
366	2	217+37, 6' RT	15" STORM	738.0 S	744.0 FG	741.0	3.0	FRA-270-15.19S_163

FG: SURFACE ELEVATION DETERMINED BY FRANKLIN COUNTY GIS, ACCURACY OF ±0.5'
BG: ELEVATION BELOW GRADE
SURV: SURFACE ELEVATION DETERMINED BY SURVEY
LEVA: FIELD VERIFIED ELEVATION, LEVEL A SUE
LEVB: FIELD VERIFIED ELEVATION, LEVEL B SUE
LEVC: FIELD VERIFIED ELEVATION, LEVEL C SUE
S: ELEVATION SCALED FROM PLANS
C: ELEVATION CALCULATED USING INVERT FROM COC DEPT OF PUBLIC WORKS GIS DATABASE
UND: ELEVATIONS COULD NOT BE DETERMINED FROM RECORD PLANS AND WILL BE SHOWN AFTER THE FIELD SUE INVESTIGATION
–: VARYING ELEVATIONS. DEPTHS ARE UNKNOWN
*(+): PROPOSED CONDUIT HAS BEEN ADJUSTED ABOVE THE TOP OF EXISTING UTILITY TO MEET MINIMUM VERTICAL CLEARANCE REQUIREMENT OF 1.0'
*(–): PROPOSED CONDUIT HAS BEEN ADJUSTED BELOW THE BOTTOM OF EXISTING UTILITY TO MEET MINIMUM VERTICAL CLEARANCE REQUIREMENT OF 1.0'
PENDING: ELEVATION TO BE PROVIDED IN A SUBSEQUENT SUBMITTAL

IF THE VERTICAL SEPARATION IS LESS THAN ONE FOOT (1') OR IF THE ELEVATION IS NOT SHOWN OR IS LISTED AS UND, THE CONTRACTOR SHALL EXPOSE THE EXISTING UTILITY AND ADJUST THE PROPOSED CONDUIT DEPTH TO 18"–60" TO MEET VERTICAL CLEARANCE REQUIREMENTS BY DIRECTION OF THE CITY OF COLUMBUS REPRESENTATIVE.

CIP: 540007–100060
PID NUMBER: 110521

UTILITY CROSSING INDEX
2 OF 3

CITY OF COLUMBUS TRAFFIC SIGNAL SYSTEM
(CTSS) PHASE F – FINAL SUBMITTAL

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SHEET #	UTILITY CROSSING ID#	STATION	UTILITY TYPE/SIZE	TOP OF EXISTING UTILITY	EXISTING GROUND ELEVATION	BOTTOM OF PROPOSED ELEVATION	VERTICAL SEPARTION FEET	UTILITY REFERENCE PLAN OR OWNER
367	1	223+83, 1' RT	15" STORM	FV	742.0 FG	739.0	-	FRA-270-15.19S_153
367	2	227+61, 6' RT	96" SANITARY	FV	740.0 FG	737.0	-	RP02631
367	3	229+62, 13' RT	15" STORM	736.1 C	742.0 FG	739.0	2.9	FRA-270-15.19S
372	1	266+59, 8' RT	36" WATER	737.2 S	746.0 FG	743.0	5.8	CTP0506_002
373	1	278+02, 5' RT	FIBER OPTIC	FV	748.1 FG	745.1	-	144 STRAND PHASE D PID #82573
399	1	593+97, 64' RT	LIGHTING	-	912.2 FG	909.2	-	
399	2	594+38, 58' RT	15" STORM	910.1 C	913.8 FG	911.1 *(+)	1.0	RP02004
399	3	594+62, 58' RT	18" STORM	909.4 C	914.0 FG	911.0	1.6	FRA-161-10.83
399	4	594+70, 58' RT	12" WATER	907.2 S	914.0 FG	911.0	3.8	WL1964-30
399	5	596+82, 64' RT	LIGHTING	-	914.0 FG	911.0	-	
403	1	17+10, 64' RT	15" STORM	780.3 C	784.0 FG	781.4 *(+)	1.1	FRA-3-17.17
403	2	17+15, 73' RT	15" STORM	780.4 C	784.0 FG	781.4 *(+)	1.0	FRA-3-17.17
403	3	17+18, 77' RT	15" STORM	780.4 C	784.0 FG	781.4 *(+)	1.0	FRA-3-17.17
403	4	17+23, 69' RT	TRAFFIC	-	784.0 FG	781.4 *(+)	-	
406	1	381+82, 112' RT	LIGHTING	-	778.0 FG	775.0	-	
406	2	381+53, 76' RT	TRAFFIC	-	761.0 FG	758.0	-	
406	3	383+15, 70' RT	16" WATER	FV	758.0 FG	755.0	-	FRA-670-03-93H
406	4	383+40, 70' RT	LIGHTING	-	769.5 FG	766.5	-	
409	1	153+74, 81' LT	LIGHTING	-	707.9 FG	704.9	-	
409	2	153+84, 81' LT	90" SANITARY	698.9 C	707.6 FG	704.6	5.7	RP02418
409	3	154+29, 63' LT	LIGHTING	-	706.4 FG	703.4	-	
412	1	94+28, 91' LT	36" WATER	739.4 S	750.9 FG	747.9	8.5	CTP0656
415	1	577+40, 110' LT	30" STORM	FV	739.4 FG	736.4	-	FRA-104-12.41_50
415	2	577+42, 133' LT	24" WATER	731.6 S	740.5 FG	737.5	5.9	CTP0362_005
415	3	577+50, 157' LT	LIGHTING	-	741.4 FG	738.4	-	
415	4	577+53, 157' LT	LIGHTING	-	742.0 FG	739.0	-	

FG: SURFACE ELEVATION DETERMINED BY FRANKLIN COUNTY GIS, ACCURACY OF ±0.5'
BG: ELEVATION BELOW GRADE
SURV: SURFACE ELEVATION DETERMINED BY SURVEY
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LEVB: FIELD VERIFIED ELEVATION, LEVEL B SUE
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S: ELEVATION SCALED FROM PLANS
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–: VARYING ELEVATIONS. DEPTHS ARE UNKNOWN
*(+): PROPOSED CONDUIT HAS BEEN ADJUSTED ABOVE THE TOP OF EXISTING UTILITY TO MEET MINIMUM VERTICAL CLEARANCE REQUIREMENT OF 1.0'
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3676-E

CIP: 540007–100060
PID NUMBER: 110521

UTILITY CROSSING INDEX
3 OF 3

CITY OF COLUMBUS TRAFFIC SIGNAL SYSTEM
(CTSS) PHASE F – FINAL SUBMITTAL

246
768

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R3-1
S1



R3-2
S2



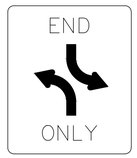
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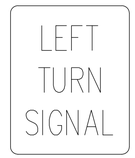
R3-3
S4



R3-9B
S5



S6



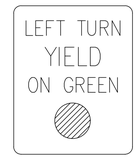
R10-10L
S7



R3-5L
S8



R3-5R
S9



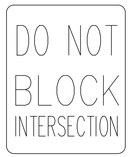
R10-12
S10



S10



S11



R10-7
S12



R5-1
S13



R6-2L
S14



R6-2R
S15



R6-7
S16



R6-6
S17



S18



R9-3a
S19



R3-5a
S20



R3-6R
S21



S22



R3-17
S23



S24



R5-1A
S25



R5-2
S26



S27



D4-1
S28



D4-1
S29



D4-1
S30



R5-H2c
S31



R3-6L
S32



S33



S34



R3-4
S35



S36



R10-5
S37



S38



S39

S40

S41

S42

S43

S44

S45

S46

S47

S48

S49

S50

S51

R10-12
S52

S53

S54

S55

S56

S57

S58

S59

S60

S61

S62

S63

EXISTING OVERHEAD SIGNAGE SHOWN ON PLAN SHEETS

3676-E

CIP: 540007-100060
PID NUMBER: 110521

EXISTING OVERHEAD SIGNS

CITY OF COLUMBUS TRAFFIC SIGNAL SYSTEM
(CTSS) PHASE F - FINAL SUBMITTAL

247
768

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LOCATION	SHEET NO.	202	202	202	202	202	202	605	608	609	622	625	625	625	625	625	625	625	625	625
		EXISTING CONDUIT CLEANED, AS PER PLAN	REMOVAL, MISC.: REMOVE EXISTING AERIAL STANDOFF, POLE MOUNTED	REMOVAL, MISC.: REMOVE EXISTING OVERHEAD EQUIPMENT	REMOVAL, MISC.: REMOVE EXISTING WOOD POLE	CONCRETE BARRIER REMOVED	WALK REMOVED	4" PIPE UNDERDRAIN	8" CONCRETE WALK	CURB, STRAIGHT 18"	BARRIER, MISC.: MEDIAN BARRIER WAL	36" MEDIAN JUNCTION BOX	BRACKET ARM, 6', AS PER PLAN	BRACKET ARM, 30', AS PER PLAN	CONDUIT, 2", AS PER PLAN	CONDUIT, 3", AS PER PLAN	CONDUIT, 4", AS PER PLAN	CONDUIT, CONCRETE ENCASED, 2-3", 725.051, AS PER PLAN	CONDUIT, CONCRETE ENCASED, 4-3", 725.051, AS PER PLAN	CONDUIT, JACKED OR DRILLED, 2", AS PER PLAN
		FT	EACH	EACH	EACH	FT	SF	EACH	SF	FT	FT	EACH	EACH	EACH	FT	FT	FT	FT	FT	FT
LANE AVE.	266	16	-	2	-	-	-	-	-	-	-	-	-	-	-	-	-	1,711	-	-
KING AVE.	270	8	-	1	-	-	193	-	193	-	-	-	-	-	-	-	-	64	-	-
KENNY RD.	274	-	-	1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
THIRD AVE.	277	2,039	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
TRABUE RD.	283	564	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	1,526	-	-
TRABUE RD.	289	1,766	-	-	-	-	-	-	-	-	-	-	-	2	-	-	-	668	-	-
HILLIARD ROME RD.	293	193	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
PHILLIPI RD.	297	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	18	-	-
GANTZ RD.	300	273	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	403	-	-
HIGH ST.	306	2,619	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	1,980	-	-
SULLIVANT AVE.	309	23	-	-	-	-	-	-	-	-	-	-	-	-	7	-	-	-	-	-
FAIRWOOD AVE.	318	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WILLIAMS RD.	321	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
ALUM CREEK DR.	331	1,737	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	887	-	-
ALUM CREEK DR.	340	40	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
ALUM CREEK DR.	343	6	-	-	-	-	150	-	150	-	-	-	-	-	-	-	355	-	-	-
HAMILTON RD.	347	54	-	1	-	-	-	-	-	-	-	-	-	-	-	-	-	52	-	-
NOE-BIXBY RD.	351	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	20	-	-
I-70	357	4,745	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
COLLEGE AVE.	365	22	-	-	-	-	-	-	-	-	-	-	-	-	-	13,332	-	-	-	-
US-33	371	720	-	-	-	-	-	-	-	-	-	-	-	-	-	9,070	-	-	-	-
US-33	374	-	-	-	-	-	-	-	-	-	-	-	-	-	-	2,708	-	-	-	-
TUSSING RD.	377	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WINCHESTER PIKE	383	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
GENDER RD.	385	14	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
KELTON AVE.	391	32	-	2	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
I-270 @ SAWMILL	393	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
SR-315 @ BETHEL	395	8	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
SR-315 @ HENDERSON	397	39	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
I-71 @ DUBLIN-GRANVILLE	401	1,078	-	-	-	-	-	-	-	-	-	-	-	-	-	1,748	28	-	-	-
I-71 @ DUBLIN-GRANVILLE	402	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
I-670 @ CLEVELAND	404	108	-	-	-	-	-	-	-	-	-	-	-	-	-	43	118	-	-	-
I-670 @ CLEVELAND	405	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
I-670 @ FIFTH	407	182	-	-	-	-	-	-	-	-	-	-	-	-	-	906	1,418	-	-	-
I-670 @ FIFTH	408	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
I-70 @ MOUND	410	15	-	-	-	-	-	-	-	-	-	-	-	-	-	32	138	-	-	-
I-70 @ MOUND	411	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
SUB TOTAL		**16,301**	**-**	**7**	**-**	**-**	**343**	**-**	**343**	**-**	**-**	**-**	**-**	**2**	**7**	**27,839**	**2,057**	**7,329**	**-**	**-**

3676-E

CIP: 540007-100060
PID NUMBER: 110521

SUB SUMMARY
VOLUME 2 – SHEET 1A

CITY OF COLUMBUS TRAFFIC SIGNAL SYSTEM
(CTSS) PHASE F – FINAL SUBMITTAL

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LOCATION	SHEET NO.	625 CONDUIT, JACKED OR DRILLED, 3", AS PER PLAN FT	625 CONDUIT, JACKED OR DRILLED, 4", AS PER PLAN FT	625 CONDUIT, MISC.: 4" CONDUIT, FIBER-GLASS REINFORCED, ATTACHED TO STRUCTURE FT	625 CONDUIT, MISC.: CONDUIT RESTORATION FT	625 DISTRIBUTION CABLE, NO. 1 FT	625 DISTRIBUTION CABLE, NO. 1/0 FT	625 DISTRIBUTION CABLE, NO. 2 FT	625 DISTRIBUTION CABLE, NO. 4 FT	625 DISTRIBUTION CABLE, NO. 6 FT	625 GROUND ROD EACH	625 POWER SERVICE, TYPE A, WITH METER SETTING, AS PER PLAN EACH	625 POWER SERVICE, TYPE B, WITH METER SETTING, AS PER PLAN EACH	625 POWER SERVICE, TYPE C, WITH METER SETTING, AS PER PLAN EACH	625 POWER SERVICE, TYPE D, WITH METER SETTING, AS PER PLAN EACH	625 POWER SERVICE, TYPE E, WITH METER SETTING, AS PER PLAN EACH	625 POWER SERVICE, TYPE F, WITH METER SETTING, AS PER PLAN EACH	625 PULL BOX, 18", 725.06, AS PER PLAN EACH	625 PULL BOX, 18", 725.08, AS PER PLAN EACH	625 PULL BOX, 24", 725.08 EACH
LANE AVE.	266	282	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
KING AVE.	270	2,002	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
KENNY RD.	274	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
THIRD AVE.	277	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
TRABUE RD.	283	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
TRABUE RD.	289	782	-	1,332	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
HILLIARD ROME RD.	293	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
PHILLIPI RD.	297	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
GANTZ RD.	300	186	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
HIGH ST.	306	370	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
SULLIVANT AVE.	309	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
FAIRWOOD AVE.	318	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WILLIAMS RD.	321	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
ALUM CREEK DR.	331	1,007	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
ALUM CREEK DR.	340	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
ALUM CREEK DR.	343	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
HAMILTON RD.	347	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
NOE-BIXBY RD.	351	4,378	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
I-70	357	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
COLLEGE AVE.	365	1,193	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
US-33	371	474	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
US-33	374	88	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
TUSSING RD.	377	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WINCHESTER PIKE	383	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
GENDER RD.	385	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
KELTON AVE.	391	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
I-270 @ SAWMILL	393	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
SR-315 @ BETHEL	395	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
SR-315 @ HENDERSON	397	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
I-71 @ DUBLIN-GRANVILLE	401	302	-	-	-	-	2,836	-	-	-	3	1	-	-	-	-	-	-	5	-
I-71 @ DUBLIN-GRANVILLE	402	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
I-670 @ CLEVELAND	404	-	-	-	-	-	-	-	-	210	3	-	1	-	-	-	-	-	1	-
I-670 @ CLEVELAND	405	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
I-670 @ FIFTH	407	54	-	-	-	2,070	-	1,035	-	-	3	-	-	1	-	-	-	-	4	-
I-670 @ FIFTH	408	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
I-70 @ MOUND	410	95	-	-	-	-	-	-	-	406	3	-	-	-	1	-	-	-	2	-
I-70 @ MOUND	411	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
SUB TOTAL		**11,213**	**-**	**1,332**	**-**	**2,070**	**2,836**	**1,035**	**-**	**616**	**12**	**1**	**1**	**1**	**1**	**-**	**-**	**-**	**12**	**-**

3676-E

CIP: 540007–100060
PID NUMBER: 110521

SUB SUMMARY
VOLUME 2 – SHEET 1B

CITY OF COLUMBUS TRAFFIC SIGNAL SYSTEM
(CTSS) PHASE F – FINAL SUBMITTAL

249
768

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LOCATION	SHEET NO.	625	625	625	625	625	632	632	632	632	632	632	632	632	632	632	632	632	632
		PULL BOX, CONCRETE 32", AS PER PLAN	PULL BOX, CONCRETE 48", AS PER PLAN	PULL BOX, REMOVED, AS PER PLAN	TRENCH, 36" DEEP, AS PER PLAN	TRENCH IN PAVED AREA, AS PER PLAN	CONDUIT RISER, 2", 725.04, AS PER PLAN	CONDUIT RISER, 2", 725.051, AS PER PLA	DOWN GUY	INTERCONNECT CABLE, MISC.: FIBER OPTIC CABLE, 144 STRAND	INTERCONNECT CABLE, MISC.: FIBER OPTIC CABLE, 24 STRAND	INTERCONNECT CABLE, MISC.: FIBER OPTIC CABLE, 288 STRAND	INTERCONNECT CABLE, MISC.: FIBER OPTIC DROP CABLE, 24 STRAND	INTERCONNECT CABLE, MISC.: FIBER OPTIC FUSION SPLICE	INTERCONNECT CABLE, MISC.: OVERLASH TO EXISTING INTERCONNECT	INTERCONNECT CABLE, MISC.: REMOVE EXISTING OVERHEAD INTERCONNECT	INTERCONNECT CABLE, MISC.: REMOVE EXISTING UNDERGROUND INTERCONNEC	INTERCONNECT CABLE, MISC.: TERMINATION PANEL, 24 FIBER	INTERCONNECT, MISC.: CAT 5E CABLE, OUTDOOR RATED	INTERCONNECT, MISC.: DUAL PANEL ASSEMBLY, 24 FIBER, 1 RU, PRE-TERMINATED
		EACH	EACH	EACH	FT	FT	EACH	EACH	EACH	FT	FT	FT	FT	EACH	FT	FT	FT	EACH	FT	EACH
LANE AVE.	266	7	-	-	1,711	-	2	-	-	2,287	-	-	401	24	39	-	-	2	-	-
KING AVE.	270	5	-	-	64	-	4	-	-	3,306	-	-	926	312	511	-	-	3	-	-
KENNY RD.	274	-	-	-	-	-	-	-	-	2,135	-	-	-	288	38	-	-	-	-	-
THIRD AVE.	277	-	-	-	-	-	-	-	-	2,198	-	-	736	180	-	-	-	3	70	-
TRABUE RD.	283	4	-	-	1,526	-	4	-	2	5,065	-	-	-	288	290	-	-	-	-	-
TRABUE RD.	289	8	-	-	555	113	2	-	-	4,137	-	-	970	480	595	176	-	2	217	-
HILLIARD ROME RD.	293	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	380	-
PHILLIPI RD.	297	1	1	-	18	-	4	-	-	3,738	-	-	-	288	119	-	-	-	-	-
GANTZ RD.	300	3	-	-	403	-	2	-	1	1,461	-	-	208	48	-	-	-	1	-	-
HIGH ST.	306	6	-	-	1,980	-	-	-	-	5,434	-	-	-	276	-	-	-	-	-	-
SULLIVANT AVE.	309	-	1	-	7	-	-	1	5	2,541	-	-	406	168	238	-	-	1	-	-
FAIRWOOD AVE.	318	-	-	-	-	-	2	-	1	7,420	-	-	524	324	-	-	-	3	-	-
WILLIAMS RD.	321	-	-	-	-	-	-	-	-	-	-	-	448	36	15	-	-	2	-	-
ALUM CREEK DR.	331	6	-	-	887	-	8	-	1	9,668	-	-	324	168	-	-	-	1	54	-
ALUM CREEK DR.	340	-	-	-	-	-	-	-	-	11,198	-	-	664	192	-	-	-	2	-	-
ALUM CREEK DR.	343	2	-	-	355	-	1	-	1	1,776	-	-	201	156	-	-	-	1	-	-
HAMILTON RD.	347	-	-	-	52	-	2	-	-	394	-	-	1,761	240	250	-	-	5	-	-
NOE-BIXBY RD.	351	9	-	-	20	-	4	-	-	3,745	-	-	208	312	-	-	-	1	-	-
I-70	357	-	-	-	-	-	-	-	-	-	150	5,206	-	288	-	-	-	-	-	-
COLLEGE AVE.	365	23	-	-	6,731	286	-	-	-	7,071	-	6,577	442	36	-	-	-	2	67	-
US-33	371	10	-	-	4,535	-	-	-	-	-	450	6,054	-	576	-	-	-	-	-	-
US-33	374	3	-	-	1,354	-	-	-	-	-	-	1,598	-	-	-	-	-	-	-	-
TUSSING RD.	377	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WINCHESTER PIKE	383	-	-	-	-	-	-	-	4	4,376	-	-	297	156	-	-	-	1	55	-
GENDER RD.	385	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	69	-
KELTON AVE.	391	-	-	-	-	-	-	1	-	-	-	-	872	72	45	106	-	3	-	-
I-270 @ SAWMILL	393	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
SR-315 @ BETHEL	395	-	-	-	-	-	-	-	-	-	-	-	-	24	-	-	-	-	-	1
SR-315 @ HENDERSON	397	-	-	-	-	-	-	-	-	-	-	-	-	24	-	-	-	-	-	1
I-71 @ DUBLIN-GRANVILLE	401	1	2	1	888	-	-	4	-	1,416	1,582	-	-	624	184	-	-	-	-	1
I-71 @ DUBLIN-GRANVILLE	402	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
I-670 @ CLEVELAND	404	-	2	2	84	-	-	-	-	-	-	-	-	864	-	-	-	-	90	1
I-670 @ CLEVELAND	405	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
I-670 @ FIFTH	407	1	1	-	1,605	-	-	1	-	1,912	300	-	-	600	-	-	-	-	-	1
I-670 @ FIFTH	408	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
I-70 @ MOUND	410	-	1	-	101	-	-	2	-	150	150	-	-	144	-	49	-	-	104	1
I-70 @ MOUND	411	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
SUB TOTAL		**89**	**8**	**3**	**22,876**	**399**	**35**	**9**	**15**	**81,428**	**2,632**	**19,435**	**9,388**	**7,188**	**2,324**	**331**	**-**	**33**	**1,106**	**6**

3676-E

CIP: 540007–100060
PID NUMBER: 110521

SUB SUMMARY
VOLUME 2 – SHEET 1C

CITY OF COLUMBUS TRAFFIC SIGNAL SYSTEM
(CTSS) PHASE F – FINAL SUBMITTAL

250
768

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LOCATION	SHEET NO.	632	632	632	632	632	632	632	632	632	632	632	632	632	632	632	632	632	632
		INTERCONNECT, MISC.: PRE-TERMINATED FIBER OPTIC DROP CABLE, 144 STRAND, 150FT	INTERCONNECT, MISC.: PRE-TERMINATED FIBER OPTIC DROP CABLE, 144 STRAND, 475FT	INTERCONNECT, MISC.: PRE-TERMINATED FIBER OPTIC DROP CABLE, 24 STRAND, 150FT	INTERCONNECT, MISC.: PRE-TERMINATED FIBER OPTIC DROP CABLE, 24 STRAND, 475FT	INTERCONNECT, MISC.: SPLICE ENCLOSURE, DOME, 288 SPLICE	INTERCONNECT, MISC.: SPLICE ENCLOSURE, DOME, 800 SPLICE	INTERCONNECT, MISC.: TERMINATION PANEL, 144 FIBER, 4 RU	INTERCONNECT, MISC.: TERMINATION PANEL, 24 FIBER, 1 RU	INTERCONNECT, MISC.: TERMINATION PANEL, 288 FIBER, 4 RU	MESSENGER WIRE, 7 STRAND, 1/4" DIAMETER WITH ACCESSORIES, AS PER PLAN	REMOVAL OF BRACKET ARM	ROADSIDE UNIT RADIO, AS PER PLAN	SIGNALIZATION, MISC.: CCTV COMPOSITE CABLE	SIGNALIZATION, MISC.: CCTV IP-CAMERA SYSTEM	SIGNALIZATION, MISC.: CELLULAR ETHERNET COMMUNICATIONS UNIT	SPREAD SPECTRUM RADIO, AS PER PLAN	STRAIN POLE, DESIGN NO. 6	STRAIN POLE FOUNDATION, DESIGN NO. 6	TETHER WIRE, WITH ACCESSORIES
		EACH	EACH	EACH	EACH	EACH	EACH	EACH	EACH	EACH	FT	EACH	EACH	FT	EACH	EACH	EACH	EACH	EACH	FT
LANE AVE.	266	-	-	-	-	1	1	-	-	-	171	-	-	-	-	-	-	-	-	-
KING AVE.	270	-	-	-	-	1	2	-	-	-	1,387	-	-	-	-	-	-	-	-	-
KENNY RD.	274	-	-	-	-	-	-	-	-	-	1,798	-	-	-	-	-	-	-	-	-
THIRD AVE.	277	-	-	-	-	2	1	-	-	-	20	-	-	-	1	-	-	-	-	-
TRABUE RD.	283	-	-	-	-	-	-	-	-	-	2,315	-	-	-	-	-	-	-	-	-
TRABUE RD.	289	-	-	-	-	2	-	-	-	-	286	-	-	-	1	-	-	-	-	-
HILLIARD ROME RD.	293	-	-	-	-	-	-	-	-	-	77	-	-	-	-	1	2	-	-	-
PHILLIPI RD.	297	-	-	-	-	-	-	-	-	-	2,881	-	-	-	-	-	-	-	-	-
GANTZ RD.	300	-	-	-	-	2	-	-	-	-	535	-	-	-	-	-	-	-	-	-
HIGH ST.	306	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
SULLIVANT AVE.	309	-	-	-	-	-	1	-	-	-	1,761	-	-	-	-	-	-	-	-	-
FAIRWOOD AVE.	318	-	-	-	-	1	-	-	-	-	6,407	-	-	-	-	1	-	-	-	-
WILLIAMS RD.	321	-	-	-	-	1	-	-	-	-	73	-	-	-	-	-	-	-	-	-
ALUM CREEK DR.	331	-	-	-	-	-	1	-	-	-	5,467	-	-	-	1	-	-	-	-	-
ALUM CREEK DR.	340	-	-	-	-	2	-	-	-	-	10,092	-	-	-	-	-	-	-	-	-
ALUM CREEK DR.	343	-	-	-	-	1	-	-	-	-	1,286	-	-	-	-	-	-	-	-	-
HAMILTON RD.	347	-	-	-	-	5	-	-	-	-	824	-	-	-	-	-	-	-	-	-
NOE-BIXBY RD.	351	-	-	-	-	-	1	-	-	-	794	-	-	-	-	-	-	-	-	-
I-70	357	2	-	-	-	-	1	2	-	-	-	-	-	-	-	-	-	-	-	-
COLLEGE AVE.	365	-	-	-	-	2	-	-	-	-	-	-	-	-	1	-	-	-	-	-
US-33	371	4	-	-	-	3	-	2	-	1	-	-	-	-	-	-	-	-	-	-
US-33	374	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
TUSSING RD.	377	-	-	-	-	-	-	-	-	-	-	-	-	-	-	2	-	-	-	-
WINCHESTER PIKE	383	-	-	-	-	1	-	-	-	-	4,193	-	-	-	-	-	1	-	-	-
GENDER RD.	385	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	1	-	-	-
KELTON AVE.	391	-	-	-	-	3	-	-	-	-	330	2	-	-	-	-	-	-	-	-
I-270 @ SAWMILL	393	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
SR-315 @ BETHEL	395	-	-	1	-	-	-	-	1	-	-	-	-	-	-	-	-	-	-	-
SR-315 @ HENDERSON	397	-	-	1	-	-	-	-	1	-	-	-	-	-	-	-	-	-	-	-
I-71 @ DUBLIN-GRANVILLE	401	2	-	1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
I-71 @ DUBLIN-GRANVILLE	402	-	-	-	-	-	3	3	1	-	20	-	-	-	-	-	-	-	-	-
I-670 @ CLEVELAND	404	2	4	-	-	-	2	2	2	1	-	-	-	-	-	-	-	-	-	-
I-670 @ CLEVELAND	405	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
I-670 @ FIFTH	407	3	-	1	-	-	2	-	-	-	-	-	-	-	-	-	-	-	-	-
I-670 @ FIFTH	408	-	-	-	-	-	-	3	1	-	11	-	-	-	-	-	-	-	-	-
I-70 @ MOUND	410	2	-	-	-	-	1	2	-	-	-	-	-	-	-	-	-	-	-	-
I-70 @ MOUND	411	-	-	-	-	-	-	-	-	-	21	-	-	-	-	-	-	-	-	-
SUB TOTAL		**15**	**4**	**4**	**-**	**27**	**16**	**14**	**6**	**2**	**40,749**	**2**	**-**	**-**	**4**	**4**	**4**	**-**	**-**	**-**

3676-E

CIP: 540007-100060
PID NUMBER: 110521

SUB SUMMARY
VOLUME 2 – SHEET 1D

CITY OF COLUMBUS TRAFFIC SIGNAL SYSTEM
(CTSS) PHASE F – FINAL SUBMITTAL

251
768

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LOCATION	SHEET NO.	632	632	633	633	633	633	633	633	633	633	633	633	633					
		WOOD POLE, CLASS 5, 25 FT	WOOD POLE, CLASS 5, 35 FT	CABINET, GROUND MOUNTED, TYPE TS-2, AS PER PLAN	CABINET, POLE MOUNTED, TYPE TS-2, AS PER PLAN	CABINET, POWER METER CABINET TYPE 1	CONTROLLER ITEM, MISC.: COMMUNICATIONS NODE	CONTROLLER ITEM, MISC.: CONTROLLER WORK PAD	CONTROLLER ITEM, MISC.: CV APPLICATION MODULE	CONTROLLER ITEM, MISC.: FIBER OPTIC ETHERNET TRANSCEIVER, LONG RANGE	CONTROLLER ITEM, MISC.: FIBER OPTIC ETHERNET TRANSCEIVER, SHORT RANGE	CONTROLLER ITEM, MISC.: LAYER 2 ETHERNET SWITCH	CONTROLLER ITEM, MISC.: LAYER 3 ETHERNET SWITCH, ENVIRONMENTALLY HARDENED	CONTROLLER ITEM, MISC.: POE ENABLED LAYER 2 ETHERNET SWITCH	CONTROLLER UNIT, TYPE TS2/A2, AS PER PLAN					
		EACH	EACH	EACH	EACH	EACH	EACH	EACH	EACH	EACH	EACH	EACH	EACH	EACH	EACH					
LANE AVE.	266	-	-	-	-	-	-	1	-	-	2	-	-	-	-					
KING AVE.	270	-	-	-	-	-	-	-	-	-	4	-	-	-	-					
KENNY RD.	274	-	-	-	-	-	-	-	-	-	2	-	-	-	-					
THIRD AVE.	277	-	-	-	-	-	-	-	-	-	4	1	-	1	2					
TRABUE RD.	283	-	-	-	-	-	-	-	-	-	2	-	-	-	-					
TRABUE RD.	289	-	-	-	-	-	-	-	-	-	2	-	-	1	-					
HILLIARD ROME RD.	293	-	-	-	-	-	-	-	-	-	-	1	-	-	-					
PHILLIPI RD.	297	-	-	-	-	-	-	-	-	-	2	-	-	-	-					
GANTZ RD.	300	-	-	-	-	-	-	-	-	-	2	1	-	-	1					
HIGH ST.	306	-	-	-	-	-	-	-	-	-	2	-	-	-	-					
SULLIVANT AVE.	309	-	3	-	-	-	-	-	-	-	-	-	-	-	-					
FAIRWOOD AVE.	318	-	-	-	-	-	-	-	-	-	3	2	-	-	2					
WILLIAMS RD.	321	-	-	-	-	-	-	-	-	-	3	2	-	-	2					
ALUM CREEK DR.	331	-	2	-	-	-	-	-	-	-	3	-	-	1	1					
ALUM CREEK DR.	340	-	2	-	-	-	-	-	-	-	5	2	-	-	2					
ALUM CREEK DR.	343	-	1	-	-	-	-	-	-	-	2	1	-	-	1					
HAMILTON RD.	347	-	-	-	-	-	-	-	-	-	9	5	-	-	4					
NOE-BIXBY RD.	351	-	2	-	-	-	-	-	-	-	-	-	-	-	-					
I-70	357	-	-	-	-	-	-	-	-	-	2	-	-	-	-					
COLLEGE AVE.	365	-	-	-	-	-	-	-	-	-	3	1	-	1	2					
US-33	371	-	-	-	-	-	-	-	-	-	2	-	-	-	-					
US-33	374	-	-	-	-	-	-	-	-	-	-	-	-	-	-					
TUSSING RD.	377	-	-	-	-	-	-	-	-	-	-	2	-	-	2					
WINCHESTER PIKE	383	-	2	-	-	-	-	-	-	-	2	1	-	-	1					
GENDER RD.	385	-	-	-	-	-	-	-	-	-	-	1	-	-	1					
KELTON AVE.	391	-	-	-	-	-	-	-	-	-	6	3	-	-	3					
I-270 @ SAWMILL	393	-	-	-	-	-	-	-	-	1	1	-	-	-	-					
SR-315 @ BETHEL	395	-	-	-	-	-	-	-	-	1	6	-	1	-	-					
SR-315 @ HENDERSON	397	-	-	-	-	-	-	-	-	-	4	-	1	-	-					
I-71 @ DUBLIN-GRANVILLE	401	-	-	-	-	-	-	-	-	-	-	-	-	-	-					
I-71 @ DUBLIN-GRANVILLE	402	-	1	-	-	-	1	-	-	-	6	-	1	-	-					
I-670 @ CLEVELAND	404	-	-	-	-	1	-	-	-	-	-	-	-	-	-					
I-670 @ CLEVELAND	405	-	-	-	-	-	1	-	-	-	8	1	1	-	-					
I-670 @ FIFTH	407	-	-	-	-	-	-	-	-	-	-	-	-	-	-					
I-670 @ FIFTH	408	-	1	-	-	-	1	-	-	-	6	-	1	-	-					
I-70 @ MOUND	410	-	-	-	-	-	-	-	-	-	-	-	-	-	-					
I-70 @ MOUND	411	-	1	-	-	-	1	-	-	-	-	-	1	-	-					
SUB TOTAL		**-**	**15**	**-**	**-**	**1**	**4**	**1**	**-**	**2**	**93**	**24**	**6**	**4**	**24**	**-**	**-**	**-**	**-**	**-**

3676-E

CIP: 540007–100060
PID NUMBER: 110521

SUB SUMMARY
VOLUME 2 – SHEET 1E

CITY OF COLUMBUS TRAFFIC SIGNAL SYSTEM
(CTSS) PHASE F – FINAL SUBMITTAL

252
768

J:\Jobs\70202 – CTSS Phase F\TECHPROD\Sheets\CTSS_PhF_SUB_SUM_Volume2.dwg – VOLUME 2 – SHEET 5 OF 10 layout ~ last saved by: gburch 02/22/2022 09:47pm ~ printed 06/02/2022 10:26am PSLTS: 0 LTS: 30 CAS: 1" = 1'

LOCATION	SHEET NO.	202	202	202	202	202	202	605	608	609	622	625	625	625	625	625	625	625	625	625
		EXISTING CONDUIT CLEANED, AS PER PLAN	REMOVAL, MISC.: REMOVE EXISTING AERIAL STANDOFF, POLE MOUNTED	REMOVAL, MISC.: REMOVE EXISTING OVERHEAD EQUIPMENT	REMOVAL, MISC.: REMOVE EXISTING WOOD POLE	CONCRETE BARRIER REMOVED	WALK REMOVED	4" PIPE UNDERDRAIN	8" CONCRETE WALK	CURB, STRAIGHT 18"	BARRIER, MISC.: MEDIAN BARRIER WAL	36" MEDIAN JUNCTION BOX	BRACKET ARM, 6', AS PER PLAN	BRACKET ARM, 30', AS PER PLAN	CONDUIT, 2", AS PER PLAN	CONDUIT, 3", AS PER PLAN	CONDUIT, 4", AS PER PLAN	CONDUIT, CONCRETE ENCASED, 2-3", 725.051, AS PER PLAN	CONDUIT, CONCRETE ENCASED, 4-3", 725.051, AS PER PLAN	CONDUIT, JACKED OR DRILLED, 2", AS PER PLAN
		FT	EACH	EACH	EACH	FT	SF	EACH	SF	FT	FT	EACH	EACH	EACH	FT	FT	FT	FT	FT	FT
US-33 @ HAMILTON	413	-	-	-	-	-	-	-	-	-	-	-	-	-	-	554	106	-	-	-
US-33 @ HAMILTON	414	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
US-33 @ REFUGEE	416	-	-	-	-	-	-	-	-	-	-	-	-	-	-	255	20	-	-	-
US-33 @ REFUGEE	417	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
CCTV	425	240	-	-	-	-	-	-	-	-	-	-	-	4	-	-	-	-	-	-
CCTV	432	218	-	-	-	-	-	-	-	-	-	-	-	1	-	-	-	-	-	-
CCTV	439	297	-	-	-	-	-	-	-	-	-	-	-	3	-	-	-	-	-	-
CCTV	445	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
MISC_NODES	446	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
SUB TOTAL		**755**	**-**	**-**	**-**	**-**	**-**	**-**	**-**	**-**	**-**	**-**	**-**	**8**	**-**	**809**	**126**	**-**	**-**	**-**

CIP: 540007–100060
PID NUMBER: 110521

SUB SUMMARY
VOLUME 2 – SHEET 2A

CITY OF COLUMBUS TRAFFIC SIGNAL SYSTEM
(CTSS) PHASE F – FINAL SUBMITTAL

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LOCATION	SHEET NO.	625	625	625	625	625	625	625	625	625	625	625	625	625	625	625	625	625	625
		CONDUIT, JACKED OR DRILLED, 3", AS PER PLAN	CONDUIT, JACKED OR DRILLED, 4", AS PER PLAN	CONDUIT, MISC.: 4" CONDUIT, FIBER-GLASS REINFORCED, ATTACHED TO STRUCTURE	CONDUIT, MISC.: CONDUIT RESTORATION	DISTRIBUTION CABLE, NO. 1	DISTRIBUTION CABLE, NO. 1/0	DISTRIBUTION CABLE, NO. 2	DISTRIBUTION CABLE, NO. 4	DISTRIBUTION CABLE, NO. 6	GROUND ROD	POWER SERVICE, TYPE A, WITH METER SETTING, AS PER PLAN	POWER SERVICE, TYPE B, WITH METER SETTING, AS PER PLAN	POWER SERVICE, TYPE C, WITH METER SETTING, AS PER PLAN	POWER SERVICE, TYPE D, WITH METER SETTING, AS PER PLAN	POWER SERVICE, TYPE E, WITH METER SETTING, AS PER PLAN	POWER SERVICE, TYPE F, WITH METER SETTING, AS PER PLAN	PULL BOX, 18", 725.06, AS PER PLAN	PULL BOX, 18", 725.08, AS PER PLAN	PULL BOX, 24", 725.08
		FT	FT	FT	FT	FT	FT	FT	FT	FT	EACH	EACH	EACH	EACH	EACH	EACH	EACH	EACH	EACH	EACH
US-33 @ HAMILTON	413	340	-	-	-	-	-	-	1,840	-	3	-	-	-	-	1	-	-	5	-
US-33 @ HAMILTON	414	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
US-33 @ REFUGEE	416	-	-	-	-	-	-	-	-	604	3	-	-	-	-	-	1	-	-	-
US-33 @ REFUGEE	417	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
CCTV	425	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
CCTV	432	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
CCTV	439	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
CCTV	445	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
MISC_NODES	446	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
SUB TOTAL		**340**	**-**	**-**	**-**	**-**	**-**	**-**	**1,840**	**604**	**6**	**-**	**-**	**-**	**-**	**1**	**1**	**-**	**5**	**-**

CIP: 540007-100060
PID NUMBER: 110521

SUB SUMMARY
VOLUME 2 – SHEET 2B

CITY OF COLUMBUS TRAFFIC SIGNAL SYSTEM
(CTSS) PHASE F – FINAL SUBMITTAL

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LOCATION	SHEET NO.	625	625	625	625	625	632	632	632	632	632	632	632	632	632	632	632	632	632
		PULL BOX, CONCRETE 32", AS PER PLAN	PULL BOX, CONCRETE 48", AS PER PLAN	PULL BOX, REMOVED, AS PER PLAN	TRENCH, 36" DEEP, AS PER PLAN	TRENCH IN PAVED AREA, AS PER PLAN	CONDUIT RISER, 2", 725.04, AS PER PLAN	CONDUIT RISER, 2", 725.051, AS PER PLAN	DOWN GUY	INTERCONNECT CABLE, MISC.: FIBER OPTIC CABLE, 144 STRAND	INTERCONNECT CABLE, MISC.: FIBER OPTIC CABLE, 24 STRAND	INTERCONNECT CABLE, MISC.: FIBER OPTIC CABLE, 288 STRAND	INTERCONNECT CABLE, MISC.: FIBER OPTIC DROP CABLE, 24 STRAND	INTERCONNECT CABLE, MISC.: FIBER OPTIC FUSION SPLICE	INTERCONNECT CABLE, MISC.: OVERLASH TO EXISTING INTERCONNECT	INTERCONNECT CABLE, MISC.: REMOVE EXISTING OVERHEAD INTERCONNECT	INTERCONNECT CABLE, MISC.: REMOVE EXISTING UNDERGROUND INTERCONNECT	INTERCONNECT CABLE, MISC.: TERMINATION PANEL, 24 FIBER	INTERCONNECT, MISC.: CAT 5E CABLE, OUTDOOR RATED	INTERCONNECT, MISC.: DUAL PANEL ASSEMBLY, 24 FIBER, 1 RU, PRE-TERMINATED
		EACH	EACH	EACH	FT	FT	EACH	EACH	EACH	FT	FT	FT	FT	EACH	FT	FT	FT	EACH	FT	EACH
US-33 @ HAMILTON	413	-	1	-	607	-	-	2	-	75	-	75	-	576	-	-	-	-	-	1
US-33 @ HAMILTON	414	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
US-33 @ REFUGEE	416	-	1	-	265	-	-	1	-	150	300	75	-	720	-	-	-	-	-	1
US-33 @ REFUGEE	417	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
CCTV	425	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	1,017	-
CCTV	432	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	782	-
CCTV	439	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	1,139	-
CCTV	445	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
MISC_NODES	446	-	-	-	-	-	-	-	-	-	-	-	-	288	-	-	-	-	-	-
SUB TOTAL		**-**	**2**	**-**	**872**	**-**	**-**	**3**	**-**	**225**	**300**	**150**	**-**	**1,584**	**-**	**-**	**-**	**-**	**2,938**	**2**

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CIP: 540007-100060
PID NUMBER: 110521

SUB SUMMARY
VOLUME 2 - SHEET 2C

CITY OF COLUMBUS TRAFFIC SIGNAL SYSTEM
(CTSS) PHASE F - FINAL SUBMITTAL

LOCATION	SHEET NO.	632	632	632	632	632	632	632	632	632	632	632	632	632	632	632	632	632	632
		INTERCONNECT, MISC.: PRE-TERMINATED FIBER OPTIC DROP CABLE, 144 STRAND, 150FT	INTERCONNECT, MISC.: PRE-TERMINATED FIBER OPTIC DROP CABLE, 144 STRAND, 475FT	INTERCONNECT, MISC.: PRE-TERMINATED FIBER OPTIC DROP CABLE, 24 STRAND, 150FT	INTERCONNECT, MISC.: PRE-TERMINATED FIBER OPTIC DROP CABLE, 24 STRAND, 475FT	INTERCONNECT, MISC.: SPLICE ENCLOSURE, DOME, 288 SPLICE	INTERCONNECT, MISC.: SPLICE ENCLOSURE, DOME, 800 SPLICE	INTERCONNECT, MISC.: TERMINATION PANEL, 144 FIBER, 4 RU	INTERCONNECT, MISC.: TERMINATION PANEL, 24 FIBER, 1 RU	INTERCONNECT, MISC.: TERMINATION PANEL, 288 FIBER, 4 RU	MESSENGER WIRE, 7 STRAND, 1/4" DIAMETER WITH ACCESSORIES, AS PER PLAN	REMOVAL OF BRACKET ARM	ROADSIDE UNIT RADIO, AS PER PLAN	SIGNALIZATION, MISC.: CCTV COMPOSITE CABLE	SIGNALIZATION, MISC.: CCTV IP-CAMERA SYSTEM	SIGNALIZATION, MISC.: CELLULAR ETHERNET COMMUNICATIONS UNIT	SPREAD SPECTRUM RADIO, AS PER PLAN	STRAIN POLE, DESIGN NO. 6	STRAIN POLE FOUNDATION, DESIGN NO. 6	TETHER WIRE, WITH ACCESSORIES
		EACH	EACH	EACH	EACH	EACH	EACH	EACH	EACH	EACH	FT	EACH	EACH	FT	EACH	EACH	EACH	EACH	EACH	FT
US-33 @ HAMILTON	413	4	-	-	-	-	2	-	-	2	26	-	-	-	-	-	-	-	-	-
US-33 @ HAMILTON	414	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
US-33 @ REFUGEE	416	6	-	-	-	-	2	4	-	1	12	-	-	-	-	-	-	-	-	-
US-33 @ REFUGEE	417	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
CCTV	425	-	-	-	-	-	-	-	-	-	332	-	-	-	7	-	-	-	-	-
CCTV	432	-	-	-	-	-	-	-	-	-	269	-	-	-	6	-	-	-	-	-
CCTV	439	-	-	-	-	-	-	-	-	-	512	-	-	-	6	-	-	-	-	-
CCTV	445	-	-	-	-	-	-	-	-	-	-	-	-	-	5	-	-	-	-	-
MISC_NODES	446	4	-	-	-	1	-	4	-	-	-	-	-	-	-	-	-	-	-	-
SUB TOTAL		**14**	**-**	**-**	**-**	**1**	**4**	**8**	**-**	**3**	**1,151**	**-**	**-**	**-**	**24**	**-**	**-**	**-**	**-**	**-**

CIP: 540007-100060
PID NUMBER: 110521

SUB SUMMARY
VOLUME 2 – SHEET 2D

CITY OF COLUMBUS TRAFFIC SIGNAL SYSTEM
(CTSS) PHASE F – FINAL SUBMITTAL

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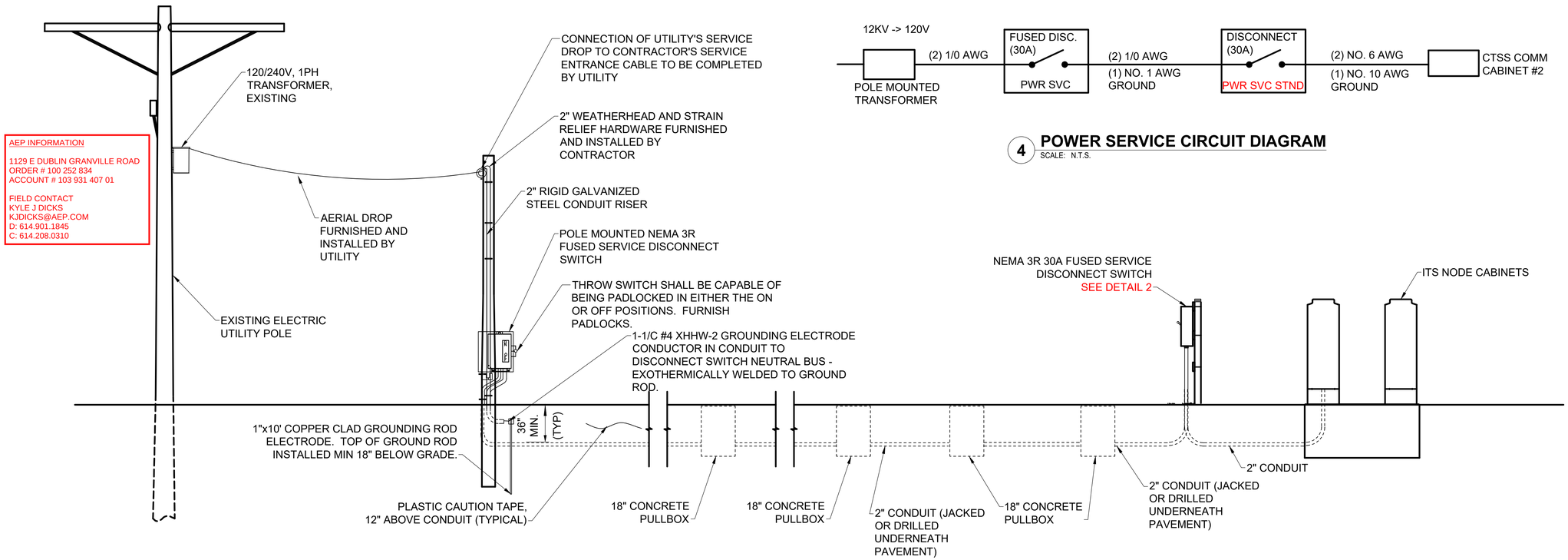
LOCATION	SHEET NO.	632	632	633	633	633	633	633	633	633	633	633	633	633					
		WOOD POLE, CLASS 5, 25 FT	WOOD POLE, CLASS 5, 35 FT	CABINET, GROUND MOUNTED, TYPE TS-2, AS PER PLAN	CABINET, POLE MOUNTED, TYPE TS-2, AS PER PLAN	CABINET, POWER METER CABINET TYPE 1	CONTROLLER ITEM, MISC.: COMMUNICATIONS NODE	CONTROLLER ITEM, MISC.: CONTROLLER WORK PAD	CONTROLLER ITEM, MISC.: CV APPLICATION MODULE	CONTROLLER ITEM, MISC.: FIBER OPTIC ETHERNET TRANSCEIVER, LONG RANGE	CONTROLLER ITEM, MISC.: FIBER OPTIC ETHERNET TRANSCEIVER, SHORT RANGE	CONTROLLER ITEM, MISC.: LAYER 2 ETHERNET SWITCH	CONTROLLER ITEM, MISC.: LAYER 3 ETHERNET SWITCH, ENVIRONMENTALLY HARDENED	CONTROLLER ITEM, MISC.: POE ENABLED LAYER 2 ETHERNET SWTCH	CONTROLLER UNIT, TYPE TS2/A2, AS PER PLAN					
		EACH	EACH	EACH	EACH	EACH	EACH	EACH	EACH	EACH	EACH	EACH	EACH	EACH	EACH					
US-33 @ HAMILTON	413	-	1	-	-	-	1	-	-	-	-	-	-	-	-					
US-33 @ HAMILTON	414	-	-	-	-	-	-	-	-	-	4	-	1	-	-					
US-33 @ REFUGEE	416	-	1	-	-	-	1	-	-	-	-	-	-	-	-					
US-33 @ REFUGEE	417	-	-	-	-	-	-	-	-	-	6	-	1	-	-					
CCTV	425	-	-	-	-	-	-	-	-	-	-	-	-	7	-					
CCTV	432	-	-	-	-	-	-	-	-	-	-	-	-	6	-					
CCTV	439	-	-	-	-	-	-	-	-	-	-	-	-	6	-					
CCTV	445	-	-	-	-	-	-	-	-	-	-	-	-	-	-					
MISC_NODES	446	-	-	-	-	-	-	-	-	1	8	-	1	-	-					
SUB TOTAL		**-**	**2**	**-**	**-**	**-**	**2**	**-**	**-**	**1**	**18**	**-**	**3**	**19**	**-**	**-**	**-**	**-**	**-**	**-**

CIP: 540007-100060
PID NUMBER: 110521

SUB SUMMARY
VOLUME 2 – SHEET 2E

CITY OF COLUMBUS TRAFFIC SIGNAL SYSTEM
(CTSS) PHASE F – FINAL SUBMITTAL

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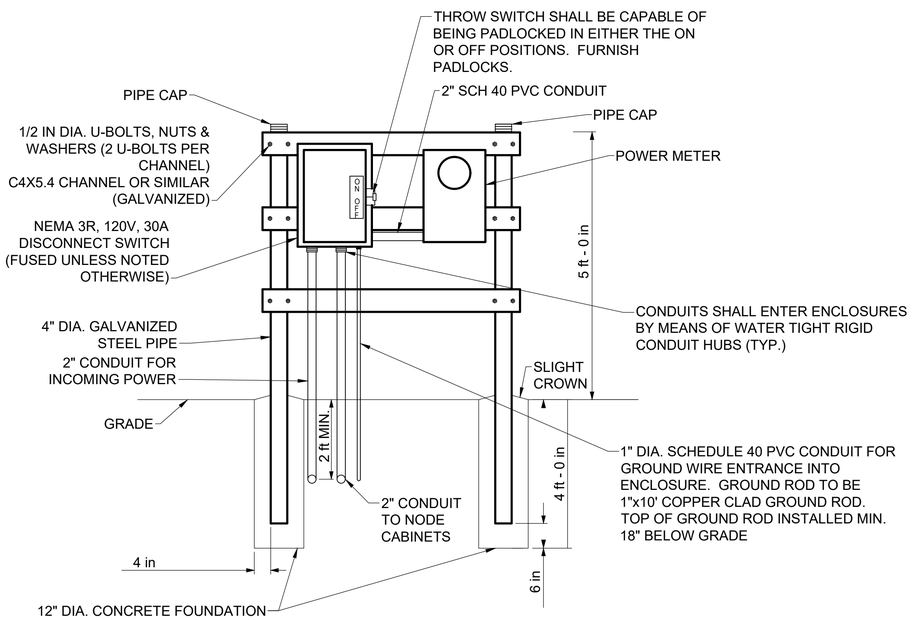


1 POWER SERVICE, DUBLIN-GRANVILLE ROAD, FACING NORTH

SCALE: N.T.S.

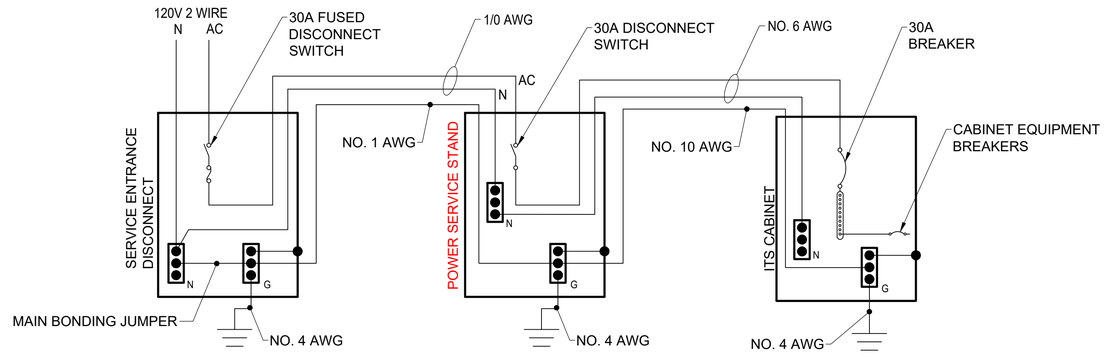
4 POWER SERVICE CIRCUIT DIAGRAM

SCALE: N.T.S.



2 POWER SERVICE/DISCONNECT ELEVATION

SCALE: N.T.S.



3 WIRING DIAGRAM

SCALE: N.T.S.

NOTES:

1. CONTRACTOR MUST COORDINATE WITH UTILITY'S FIELD ENGINEER. CONTRACTOR SHALL BE RESPONSIBLE FOR SCHEDULING AND COORDINATING ALL UTILITY RELATED WORK AND ALL INSPECTIONS AND PERMITS AS REQUIRED FOR COMPLETE AND OPERATIONAL NODE CABINET.
2. ALL WORK AND MATERIALS SHOWN ON POWER SERVICE DETAILS, THAT ARE NOT INCLUDED IN THE QUANTITY SUMMARIES, ARE INCIDENTAL TO POWER SERVICE PAY ITEMS.
3. ALL CONDUIT SYSTEMS SHALL BE INSTALLED PER 2020 NEC, LATEST VERSION OF NESC AND LOCAL REQUIREMENTS.
4. SEE SHEETS 398, 399, & 400 FOR POWER SERVICE PLAN AND NODE SITE PLAN. SEE SHEETS 465, 707 & 708 FOR COMMUNICATION DETAILS.

2 REVISION 2.0

3676-E

CIP: 540007-100060
PID NUMBER: 110521

COMMUNICATIONS NODE POWER DETAILS
NODE #071117.6 – DUBLIN-GRANVILLE RD AT I-71

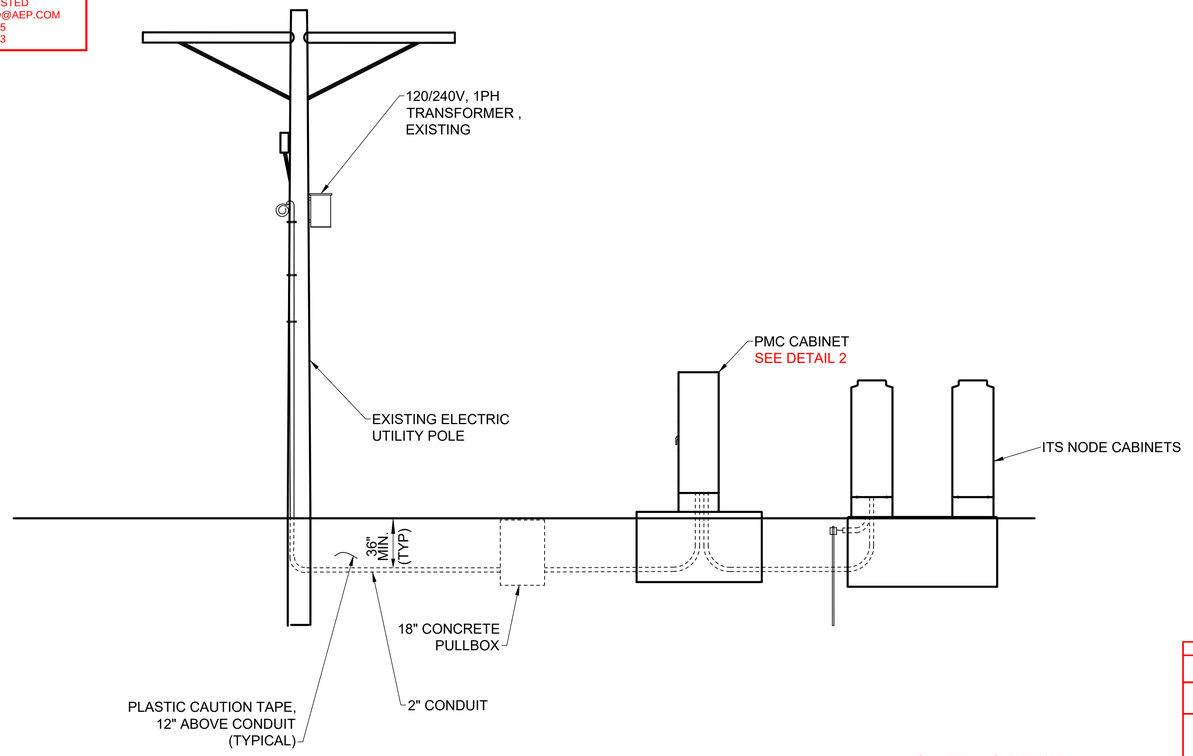
CITY OF COLUMBUS TRAFFIC SIGNAL SYSTEM
(CTSS) PHASE F – FINAL SUBMITTAL

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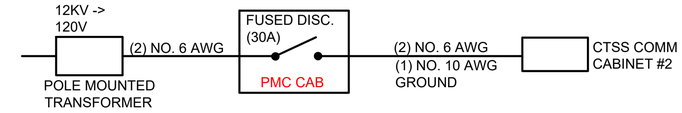
AEP INFORMATION

398 CLEVELAND AVENUE
ORDER # 108 699 165
ACCOUNT # 106 835 369 07

FIELD CONTACT
MARK A PLOGSTED
MAPLOGSTED@AEP.COM
D: 614.932.1905
C: 614.264.6923

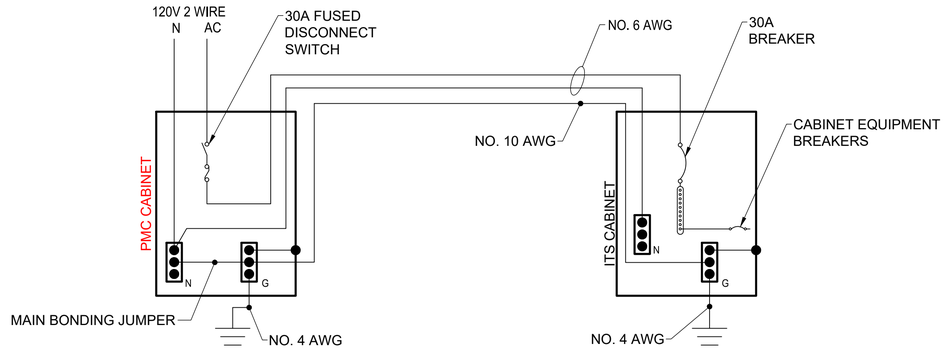


1 POWER SERVICE, CLEVELAND AVE, FACING SOUTH
SCALE: N.T.S.

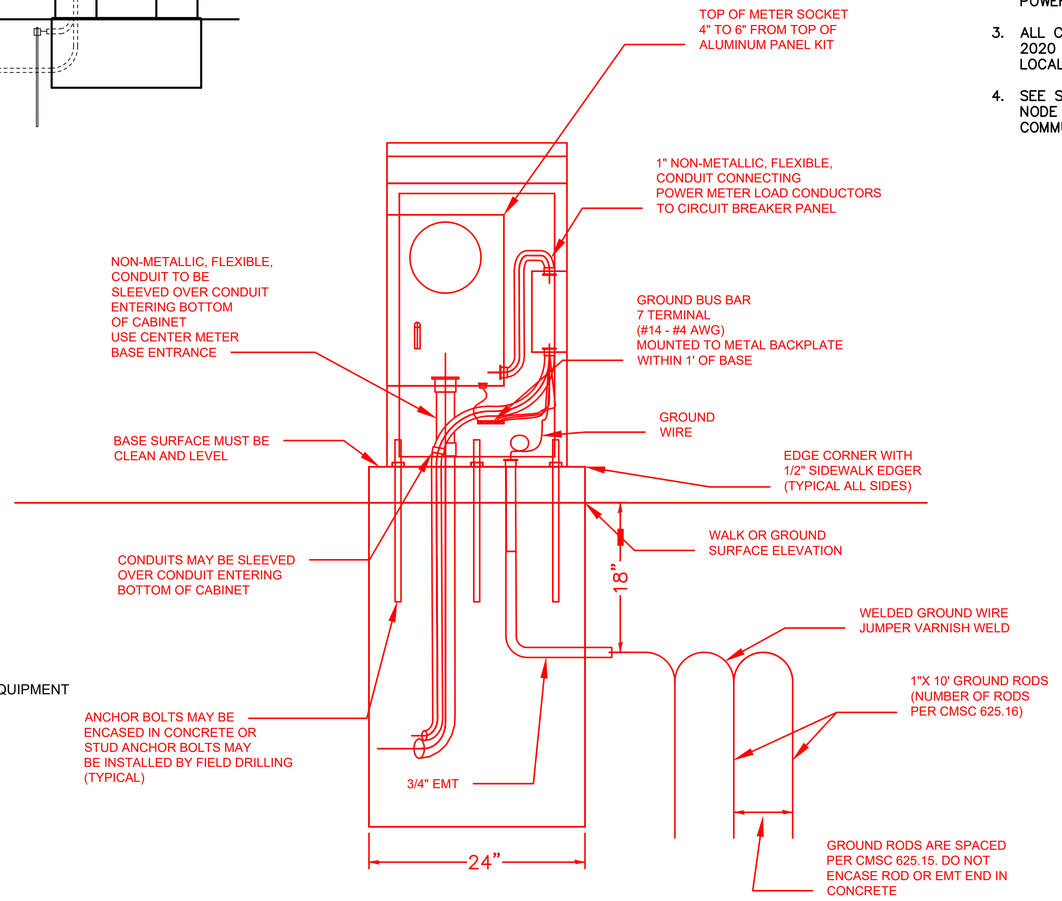


4 POWER SERVICE CIRCUIT DIAGRAM
SCALE: N.T.S.

NOTES:
1. CONTRACTOR MUST COORDINATE WITH UTILITY'S FIELD ENGINEER. CONTRACTOR SHALL BE RESPONSIBLE FOR SCHEDULING AND COORDINATING ALL UTILITY RELATED WORK AND ALL INSPECTIONS AND PERMITS AS REQUIRED FOR COMPLETE AND OPERATIONAL NODE CABINET.
2. ALL WORK AND MATERIALS SHOWN ON POWER SERVICE DETAILS, THAT ARE NOT INCLUDED IN THE QUANTITY SUMMARIES, ARE INCIDENTAL TO POWER SERVICE PAY ITEMS.
3. ALL CONDUIT SYSTEMS SHALL BE INSTALLED PER 2020 NEC, LATEST VERSION OF NESC AND LOCAL REQUIREMENTS.
4. SEE SHEET 403 FOR POWER SERVICE PLAN AND NODE SITE PLAN. SEE SHEETS 480 & 728 FOR COMMUNICATION DETAILS.



3 WIRING DIAGRAM
SCALE: N.T.S.



2 PMC CABINET
SCALE: N.T.S.

2 REVISION 2.0

3676-E

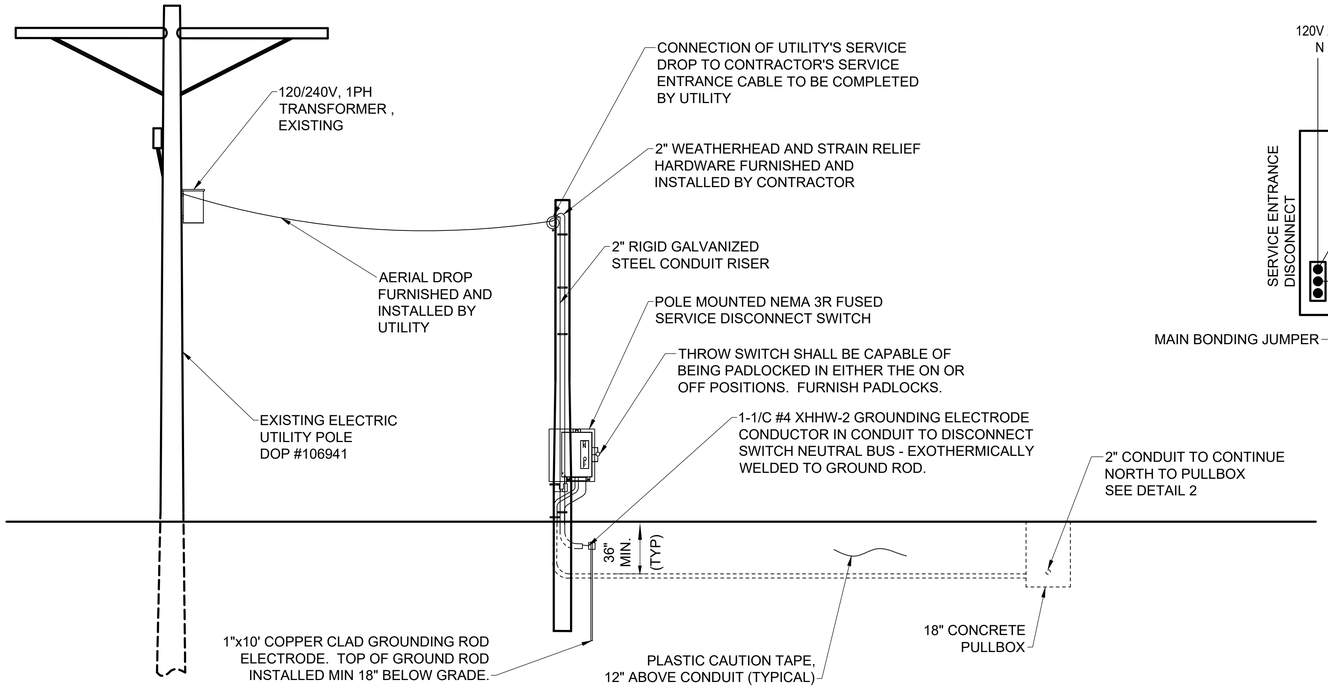
CIP: 540007-100060
PID NUMBER: 110521

COMMUNICATIONS NODE POWER DETAILS
NODE 670005.0 – CLEVELAND AVE AT I-670

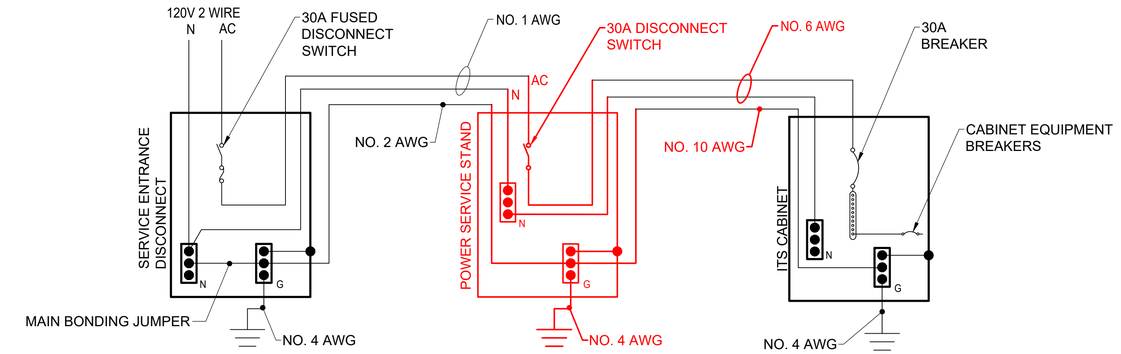
CITY OF COLUMBUS TRAFFIC SIGNAL SYSTEM
(CTSS) PHASE F – FINAL SUBMITTAL

259
768

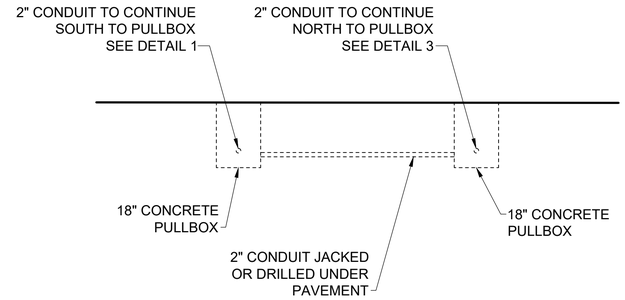
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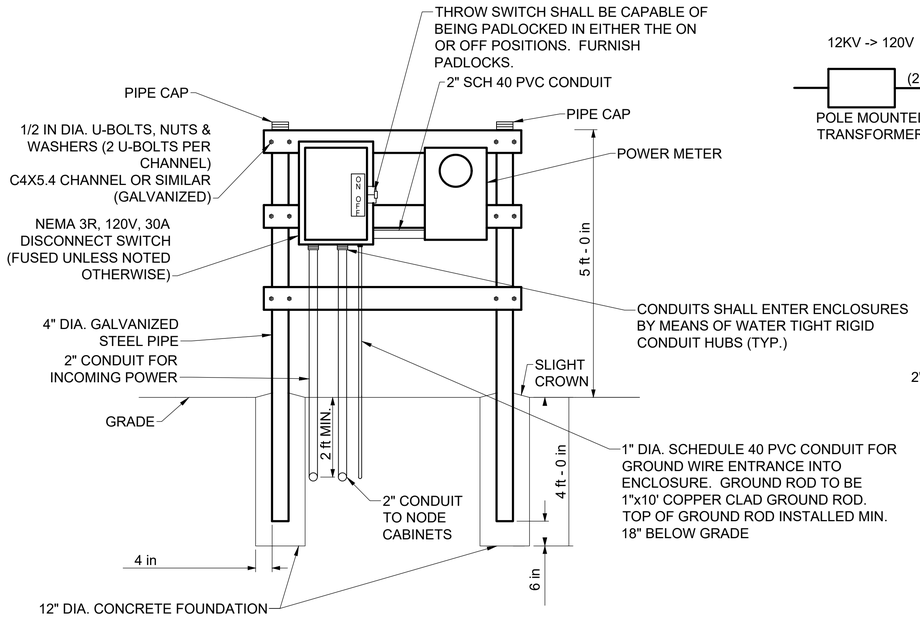
1 POWER SERVICE, 5TH AVE, FACING SOUTH
SCALE: N.T.S.



5 WIRING DIAGRAM
SCALE: N.T.S.



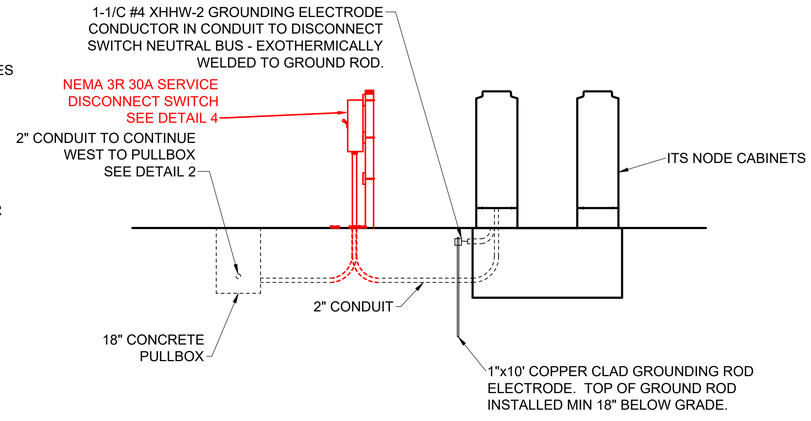
2 POWER SERVICE, I-670, FACING NORTH
SCALE: N.T.S.



4 POWER SERVICE/DISCONNECT ELEVATION
SCALE: N.T.S.



6 POWER SERVICE CIRCUIT DIAGRAM
SCALE: N.T.S.



3 POWER SERVICE, I-670, FACING WEST
SCALE: N.T.S.

NOTES:
1. CONTRACTOR MUST COORDINATE WITH UTILITY'S FIELD ENGINEER. CONTRACTOR SHALL BE RESPONSIBLE FOR SCHEDULING AND COORDINATING ALL UTILITY RELATED WORK AND ALL INSPECTIONS AND PERMITS AS REQUIRED FOR COMPLETE AND OPERATIONAL NODE CABINET.
2. ALL WORK AND MATERIALS SHOWN ON POWER SERVICE DETAILS, THAT ARE NOT INCLUDED IN THE QUANTITY SUMMARIES, ARE INCIDENTAL TO POWER SERVICE PAY ITEMS.
3. ALL CONDUIT SYSTEMS SHALL BE INSTALLED PER 2020 NEC, LATEST VERSION OF NESC AND LOCAL REQUIREMENTS.
4. SEE SHEETS 177 & 406 FOR POWER SERVICE PLAN AND NODE SITE PLAN. SEE SHEETS 471, 712, & 713 FOR COMMUNICATION DETAILS.

2 REVISION 2.0

3676-E

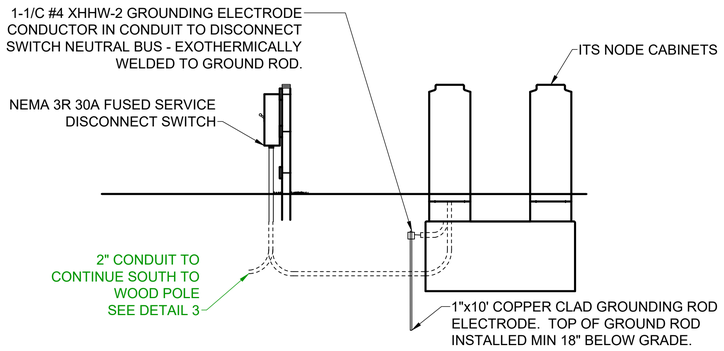
CIP: 540007-100060
PID NUMBER: 110521

COMMUNICATIONS NODE POWER DETAILS
NODE #670007.5 – 5TH AVE AT I-670

CITY OF COLUMBUS TRAFFIC SIGNAL SYSTEM
(CTSS) PHASE F – FINAL SUBMITTAL

260
768

J:\Jobs\70202 – CTSS Phase F\TECHPROD\Sheets\CTSS_PhF_Power_Details.dwg – NODE #670007.5 layout ~ last saved by: gburch 12/27/2022 08:57am ~ printed 12/27/2022 09.00am PSLTS: 1 LTS: 1 CAS: 1" = 1'



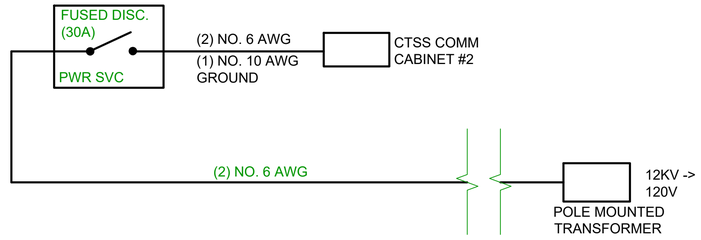
1 POWER SERVICE, MOUND ST, FACING NORTH
SCALE: N.T.S.

DETAIL REMOVED

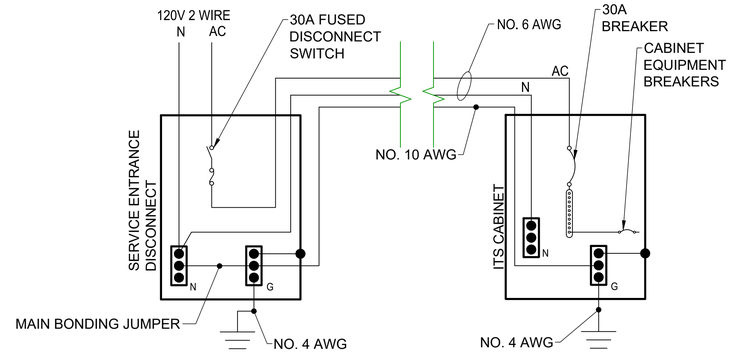
2 POWER SERVICE, MOUND ST, FACING EAST
SCALE: N.T.S.

NOTES:

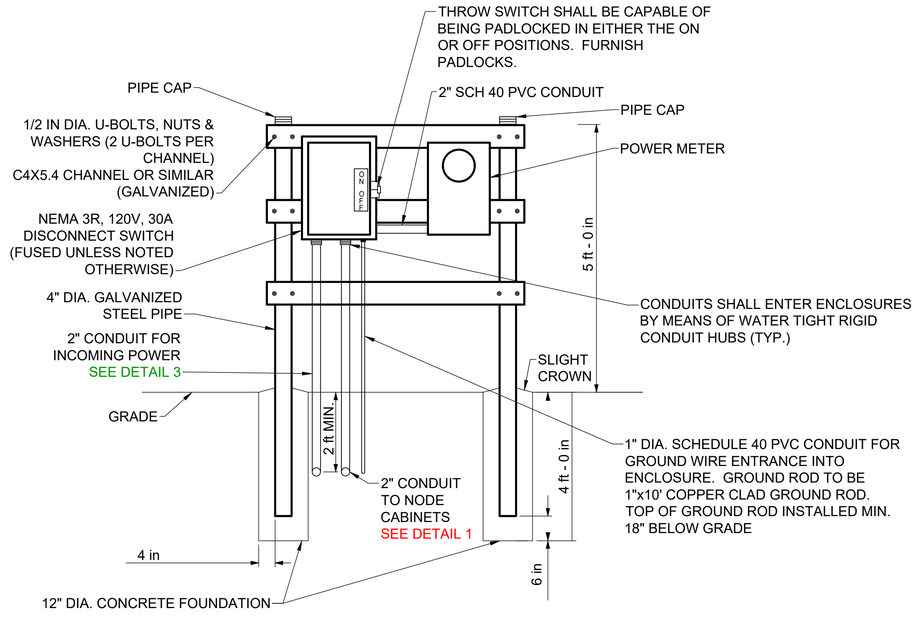
1. CONTRACTOR MUST COORDINATE WITH UTILITY'S FIELD ENGINEER. CONTRACTOR SHALL BE RESPONSIBLE FOR SCHEDULING AND COORDINATING ALL UTILITY RELATED WORK AND ALL INSPECTIONS AND PERMITS AS REQUIRED FOR COMPLETE AND OPERATIONAL NODE CABINET.
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3. ALL CONDUIT SYSTEMS SHALL BE INSTALLED PER 2020 NEC, LATEST VERSION OF NESC AND LOCAL REQUIREMENTS.
4. SEE SHEET 409 FOR POWER SERVICE PLAN AND NODE SITE PLAN. SEE SHEETS 476, 737, & 738 FOR COMMUNICATION DETAILS.



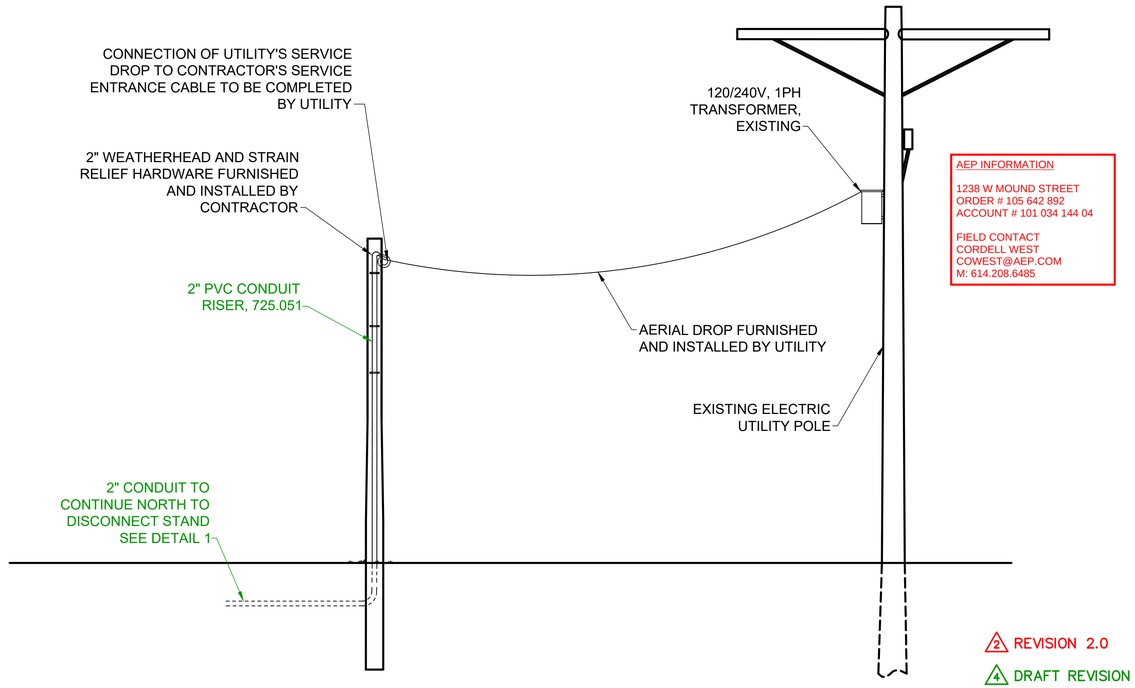
6 POWER SERVICE CIRCUIT DIAGRAM
SCALE: N.T.S.



5 WIRING DIAGRAM
SCALE: N.T.S.



4 POWER SERVICE/DISCONNECT ELEVATION
SCALE: N.T.S.



3 POWER SERVICE, MOUND ST, FACING EAST
SCALE: N.T.S.

2 REVISION 2.0
4 DRAFT REVISION 4.0

3676-E

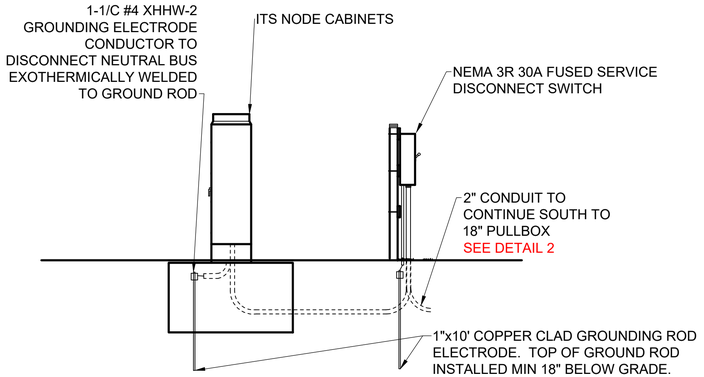
CIP: 540007-100060
PID NUMBER: 110521

COMMUNICATIONS NODE POWER DETAILS
NODE #070098.3 – MOUND ST AT I-70

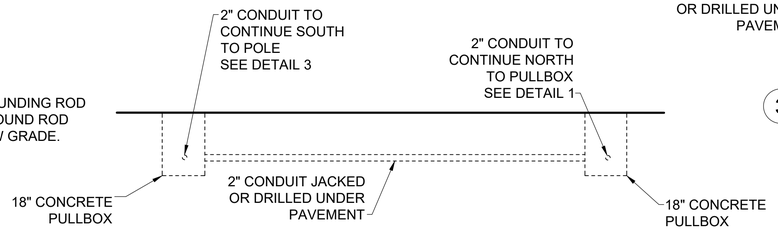
CITY OF COLUMBUS TRAFFIC SIGNAL SYSTEM
(CTSS) PHASE F – FINAL SUBMITTAL

261
768

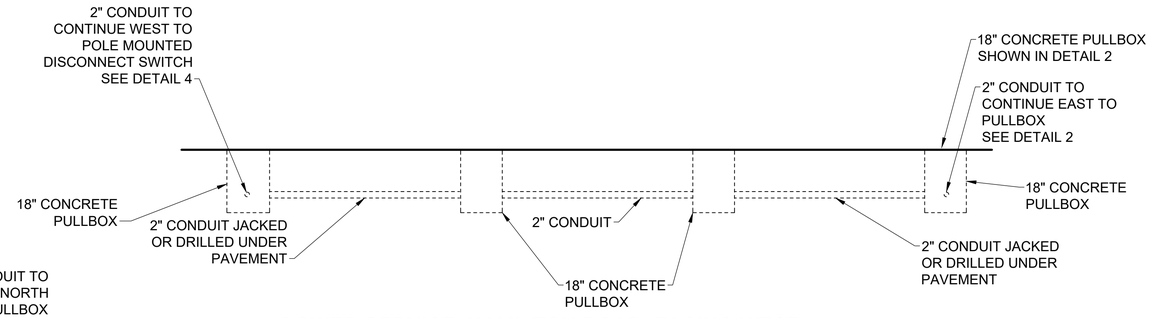
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1 POWER SERVICE, HAMILTON RD, FACING NORTH
SCALE: N.T.S.

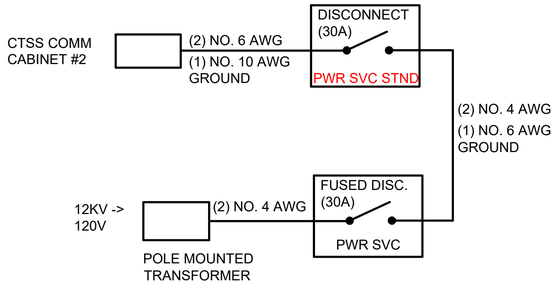


2 POWER SERVICE, HAMILTON ROAD, FACING NORTH
SCALE: N.T.S.

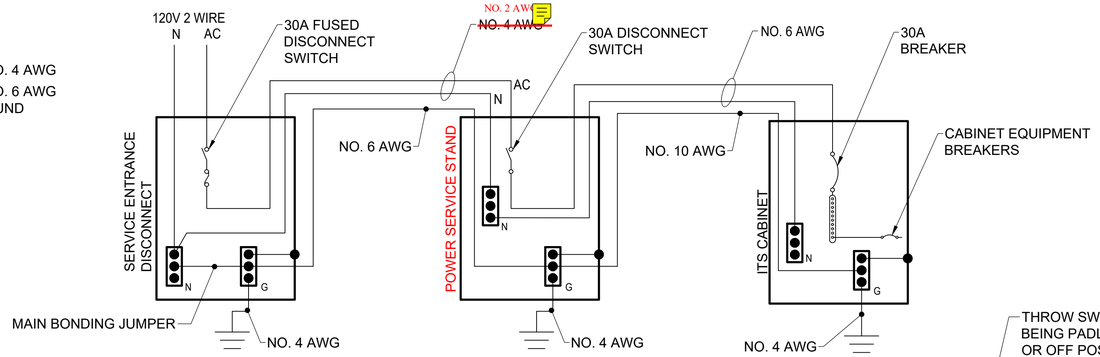


3 POWER SERVICE, HAMILTON ROAD, FACING WEST
SCALE: N.T.S.

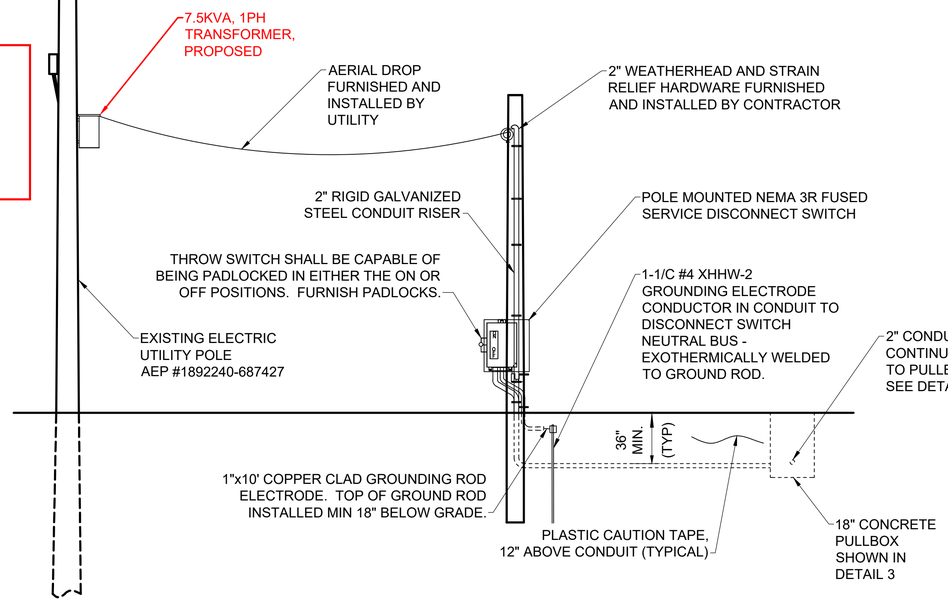
NOTES:
1. CONTRACTOR MUST COORDINATE WITH UTILITY'S FIELD ENGINEER. CONTRACTOR SHALL BE RESPONSIBLE FOR SCHEDULING AND COORDINATING ALL UTILITY RELATED WORK AND ALL INSPECTIONS AND PERMITS AS REQUIRED FOR COMPLETE AND OPERATIONAL NODE CABINET.
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4. SEE SHEETS 344 & 412 FOR POWER SERVICE PLAN AND NODE SITE PLAN. SEE SHEETS 479, 726, & 727 FOR COMMUNICATION DETAILS.



7 POWER SERVICE CIRCUIT DIAGRAM
SCALE: N.T.S.



6 WIRING DIAGRAM
SCALE: N.T.S.



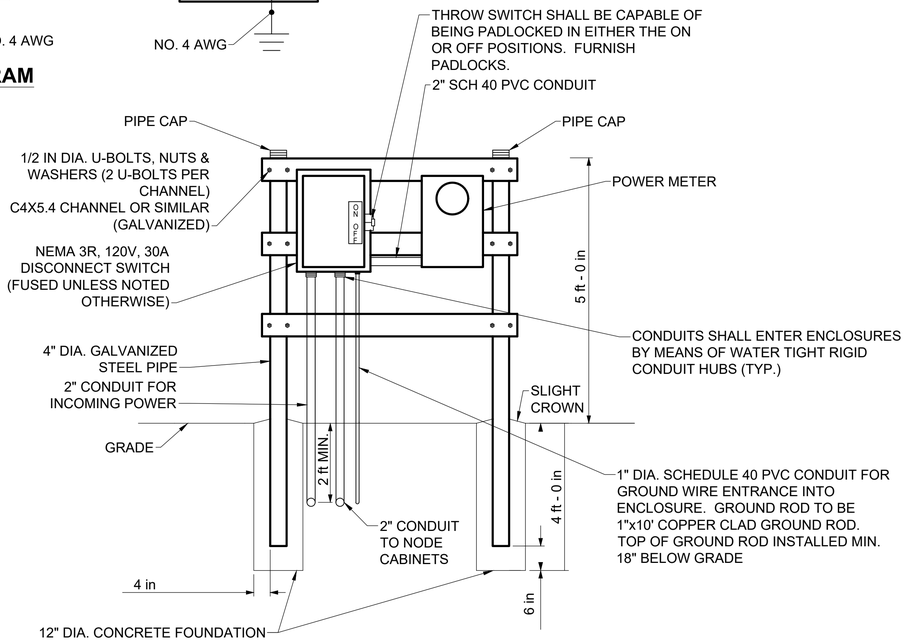
AEP INFORMATION

4316 S HAMILTON ROAD
ORDER # 104 750 584
ACCOUNT # 100 611 994 01

FIELD CONTACT
TYLER

D:
C: 740.641.9798

4 POWER SERVICE, HAMILTON ROAD, FACING NORTH
SCALE: N.T.S.



5 POWER SERVICE/DISCONNECT ELEVATION
SCALE: N.T.S.

2 REVISION 2.0

3676-E

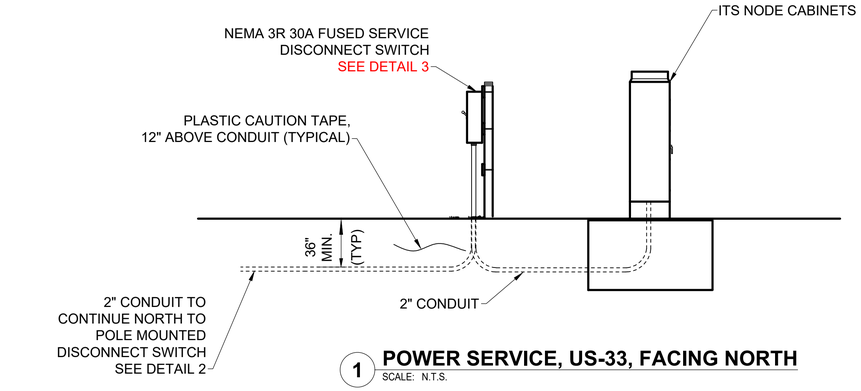
CIP: 540007-100060
PID NUMBER: 110521

COMMUNICATIONS NODE POWER DETAILS
NODE #033132.2 – HAMILTON RD AT US-33

CITY OF COLUMBUS TRAFFIC SIGNAL SYSTEM
(CTSS) PHASE F – FINAL SUBMITTAL

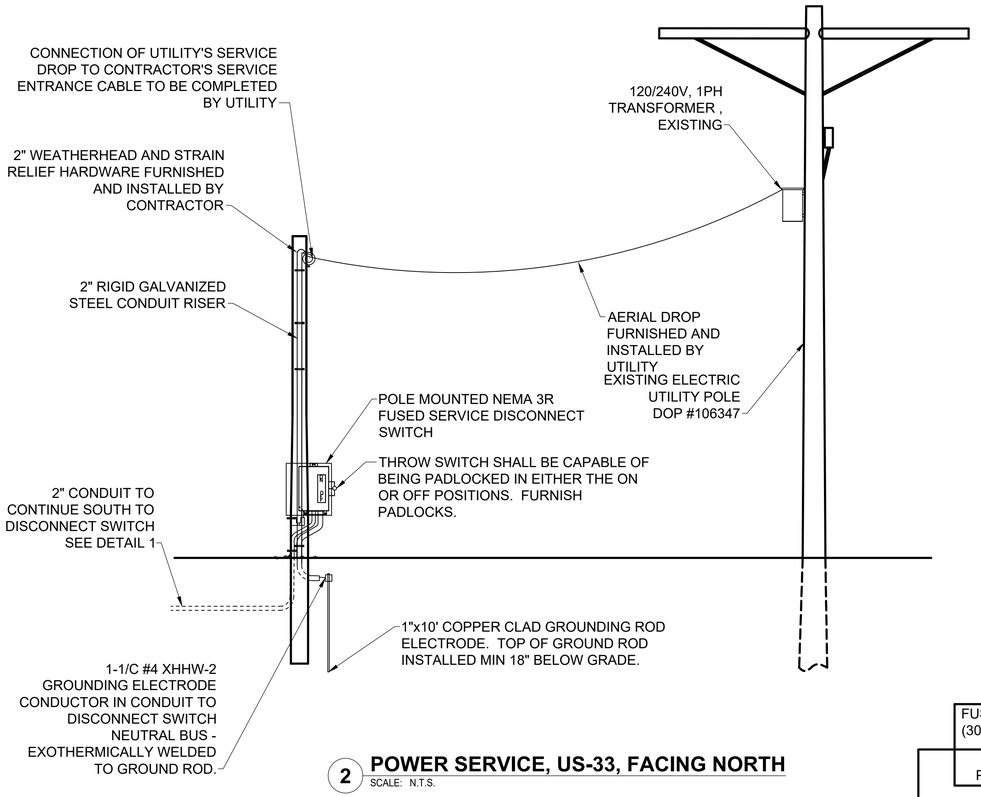
262
768

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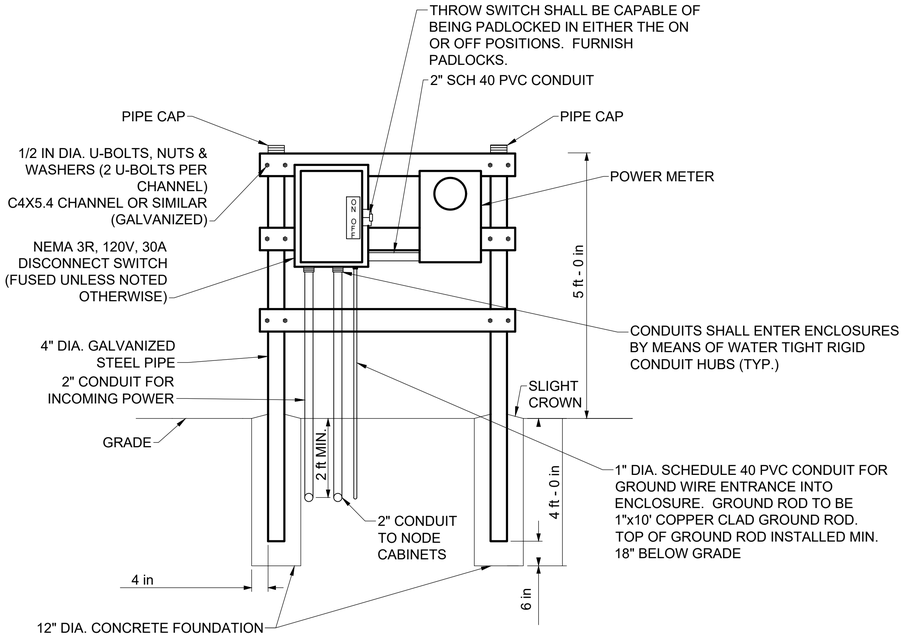
1 POWER SERVICE, US-33, FACING NORTH

SCALE: N.T.S.



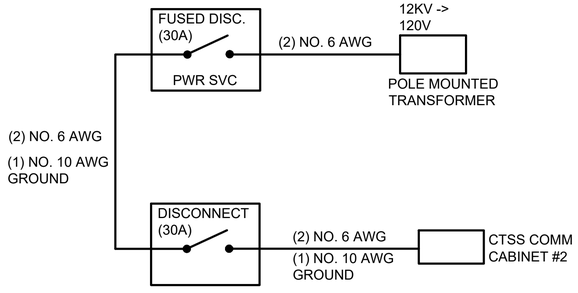
2 POWER SERVICE, US-33, FACING NORTH

SCALE: N.T.S.



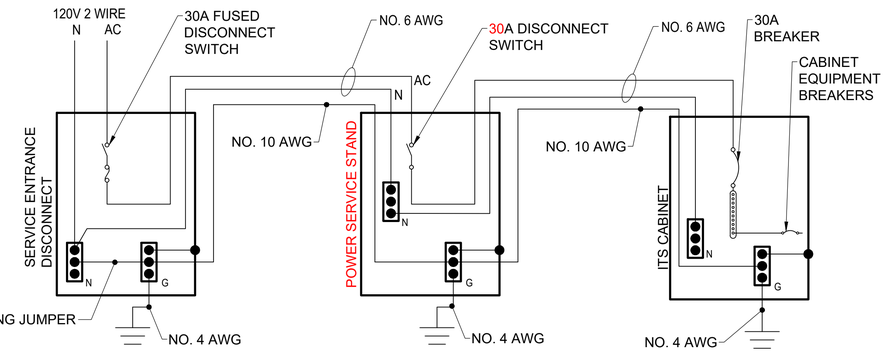
3 POWER SERVICE/DISCONNECT ELEVATION

SCALE: N.T.S.



5 POWER SERVICE CIRCUIT DIAGRAM

SCALE: N.T.S.



4 WIRING DIAGRAM

SCALE: N.T.S.

NOTES:

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3. ALL CONDUIT SYSTEMS SHALL BE INSTALLED PER 2020 NEC, LATEST VERSION OF NESC AND LOCAL REQUIREMENTS.
4. SEE SHEETS 364 & 415 FOR POWER SERVICE PLAN AND NODE SITE PLAN. SEE SHEETS 477, 720, 721, & 722 FOR COMMUNICATION DETAILS.

2 REVISION 2.0

3676-E

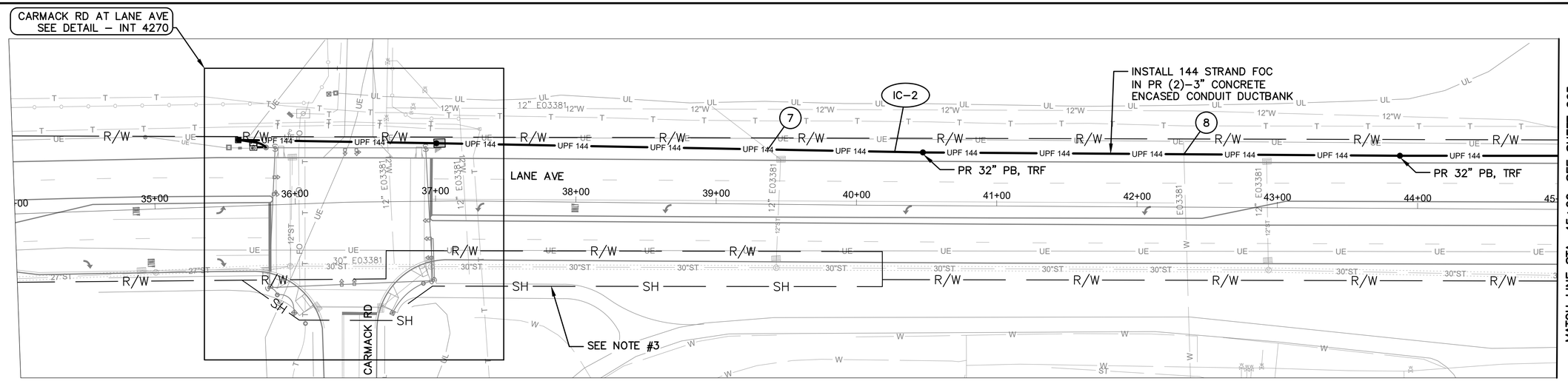
CIP: 540007-100060
PID NUMBER: 110521

COMMUNICATIONS NODE POWER DETAILS
NODE #104095.0 – REFUGEE RD AT US-33

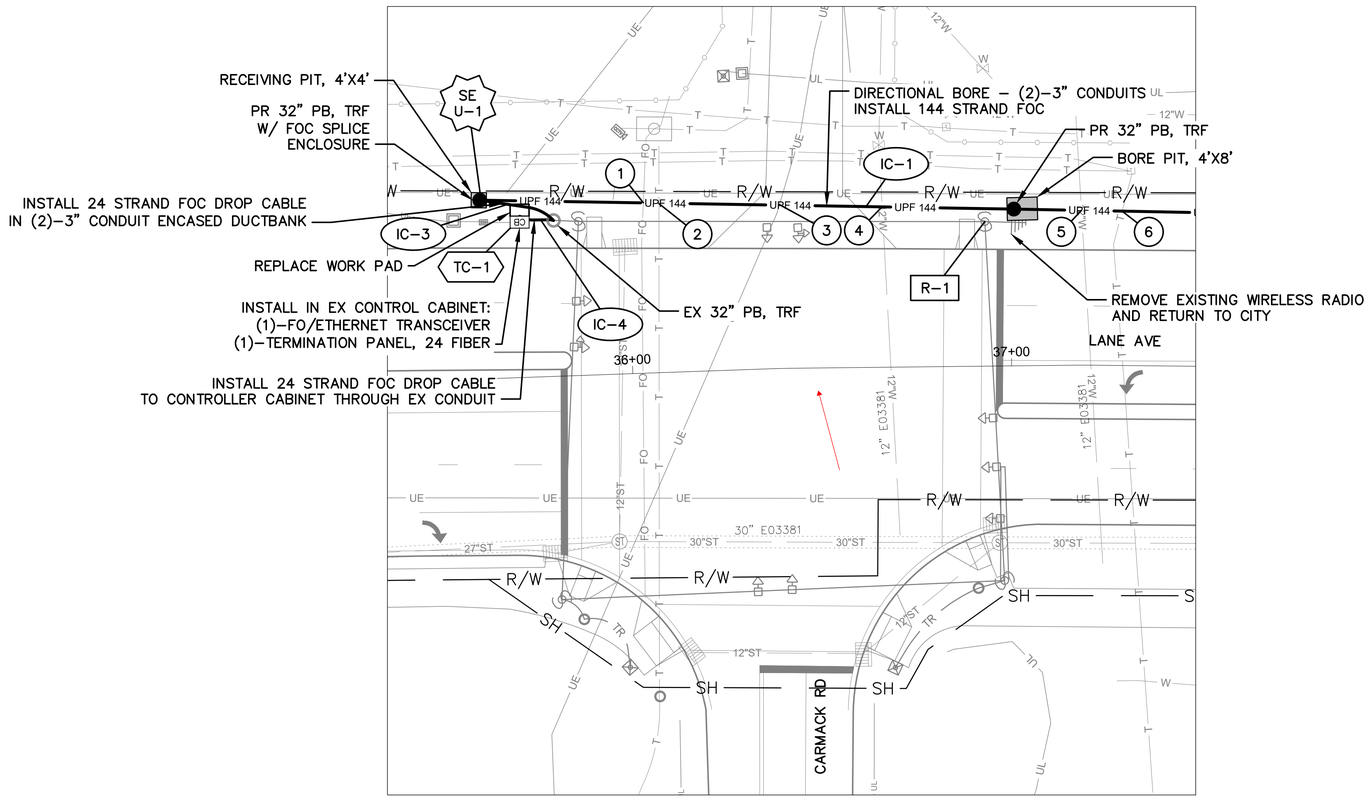
CITY OF COLUMBUS TRAFFIC SIGNAL SYSTEM
(CTSS) PHASE F – FINAL SUBMITTAL

263
768

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LANE AVE BETWEEN STATION 34+00 AND 45+00



DETAIL - INT 4270

0 20 40
HORIZONTAL
SCALE IN FEET

NOTES:

1. SEE SHEET 266 FOR QUANTITIES.
2. SEE SHEETS 473 & 607 FOR COMMUNICATION DETAILS.
3. EXISTING FRANKLIN COUNTY HIGHWAY EASEMENT #195411190470272.

(#) EXISTING UTILITY CROSSING. SEE UTILITY CROSSING INFO SHEET 245.

OHIO Utilities Protection SERVICE
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CITY OF COLUMBUS UTILITY LEGEND
- ☐ SEWER
- ☐ WATER
- ☐ POWER
- ☐ LIGHTING



REFER TO SHEET 234 FOR INTERCONNECT SHEET INDEX

KEY PLAN
NOT TO SCALE

0 40 80
HORIZONTAL
SCALE IN FEET

CIP: 540007–100060
PID NUMBER: 110521

INTERCONNECT PLAN
LANE AVE BETWEEN STA. 34+00 AND 45+00, INT 4270

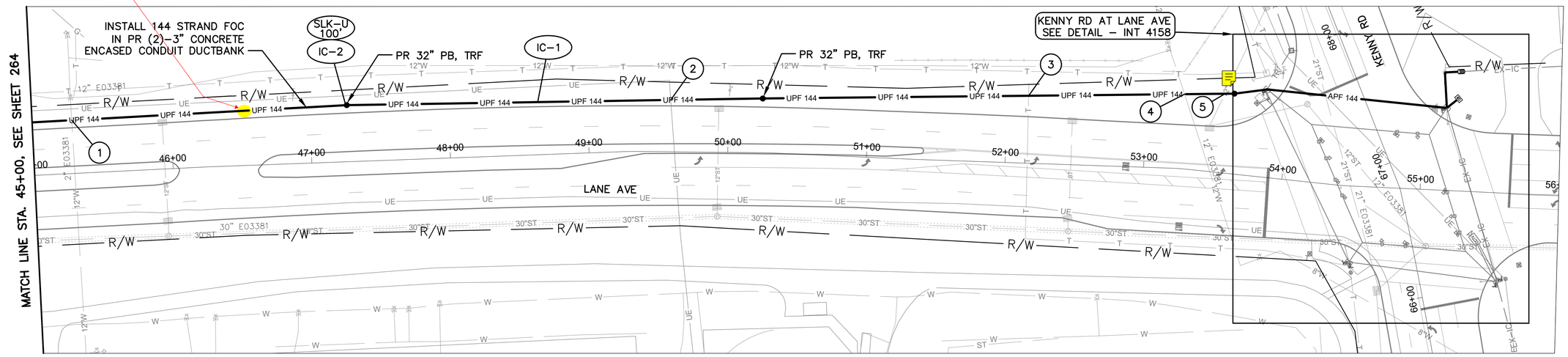
CITY OF COLUMBUS TRAFFIC SIGNAL SYSTEM
(CTSS) PHASE F – FINAL SUBMITTAL

264
768

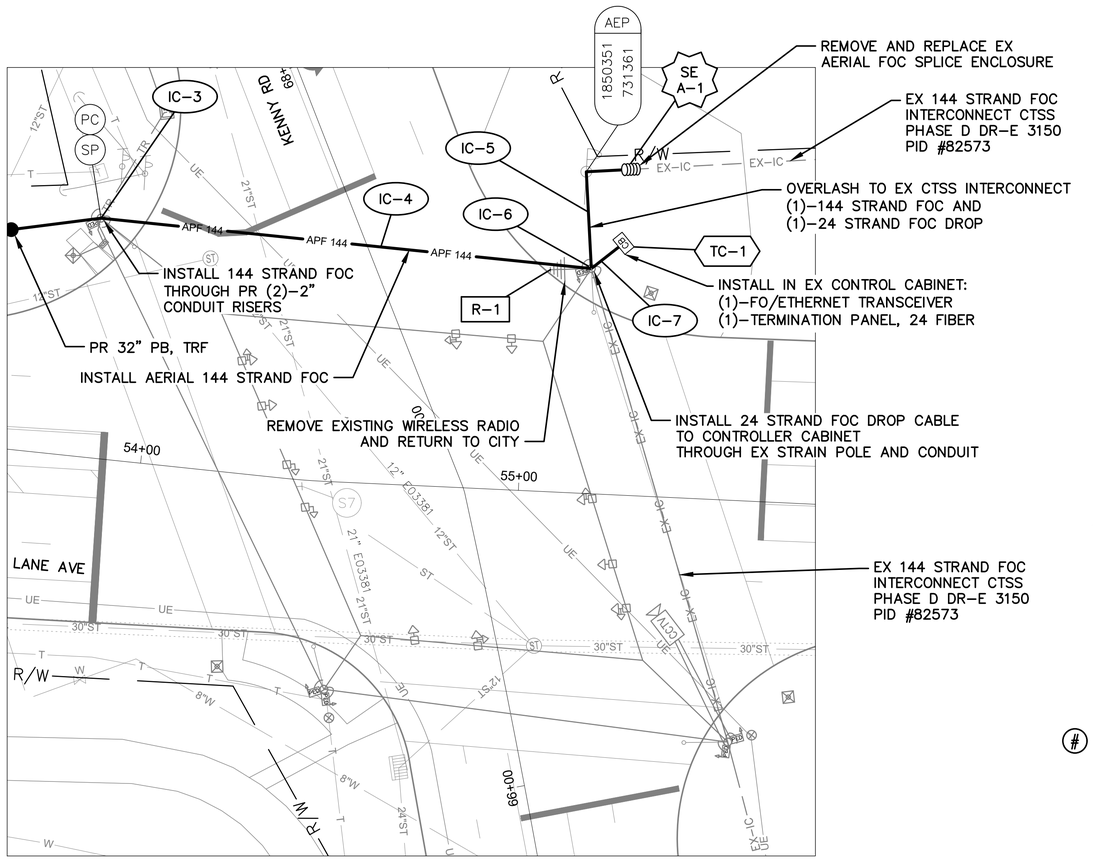
3676-E

J:\Jobs\70202 – CTSS Phase F\TECHPROD\Sheets\CTSS_PhF_Trunk3_LANE_INTERCONNECT.dwg – LANE–1 layout ~ last saved by: nseling 02/22/2022 09:47pm ~ printed 06/02/2022 10:31am PSLTS: 1 LTS: 1 CAS: 1:1

Survey pin exposed before excavation took place at station 46+53, 39' LT. Preserved exact location and elevation; trench moved closer to road to avoid pin.

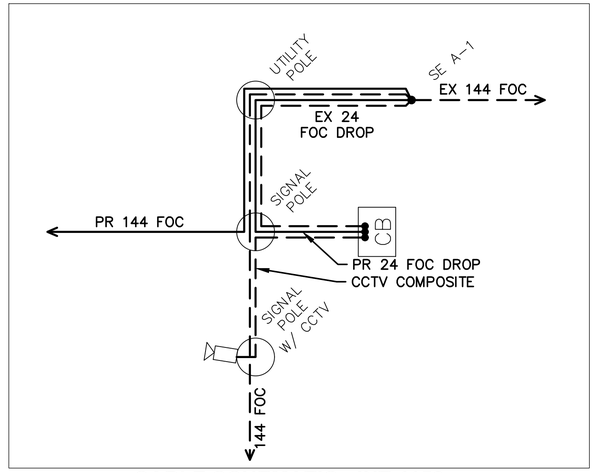


LANE AVE BETWEEN STATION 45+00 AND 56+00



DETAIL - INT 4158

0 20 40
HORIZONTAL SCALE IN FEET



CABLE SCHEMATIC - INT 4158

NOT TO SCALE

NOTES:

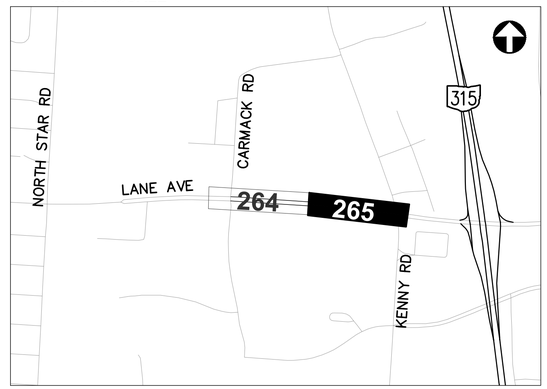
1. SEE SHEET 266 FOR QUANTITIES.
2. SEE SHEETS 473 & 608 FOR COMMUNICATION DETAILS.
3. RIGHT OF WAY IS LOCATED OUTSIDE OF THE EXTENT OF VIEW SHOWN ABOVE.

(#) EXISTING UTILITY CROSSING. SEE UTILITY CROSSING INFO SHEET 245.

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CITY OF COLUMBUS UTILITY LEGEND

- ☒ SEWER
- ☒ WATER
- ☒ POWER
- ☐ LIGHTING



REFER TO SHEET 234 FOR INTERCONNECT SHEET INDEX

KEY PLAN
NOT TO SCALE

HORIZONTAL SCALE IN FEET
0 40 80

CIP: 540007–100060
PID NUMBER: 110521

INTERCONNECT PLAN
LANE AVE BETWEEN STA. 45+00 AND 56+00, INT 4158

CITY OF COLUMBUS TRAFFIC SIGNAL SYSTEM (CTSS) PHASE F – FINAL SUBMITTAL

265
768

3676-E

J:\Jobs\70202 – CTSS Phase F\TECHPROD\Sheets\CTSS_PhF_Trunk3_LANE_INTERCONNECT.dwg – LANE–2 layout ~ last saved by: nseling 02/22/2022 09:47pm ~ printed 06/02/2022 10:32am PSLTS: 1 LTS: 1 CAS: 1:1

ESTIMATED QUANTITIES

SHEET NO.	REFERENCE NO.	LOCATION	STATION		202	202	625	625	625	625	632	632	632	632	632	632	632	632	633	633			
					EXISTING CONDUIT CLEANED, AS PER PLAN	REMOVAL, MISC.: REMOVE EXISTING OVERHEAD EQUIPMENT	CONDUIT, CONCRETE ENCASED, 2-3", 725.051, AS PER PLAN	CONDUIT, JACKED OR DRILLED, 3", AS PER PLAN	PULL BOX, CONCRETE 32", AS PER PLAN	TRENCH, 36" DEEP, AS PER PLAN	CONDUIT RISER, 2", 725.04, AS PER PLAN	INTERCONNECT CABLE, MISC.: FIBER OPTIC CABLE, 144 STRAND	INTERCONNECT CABLE, MISC.: FIBER OPTIC DROP CABLE, 24 STRAND	INTERCONNECT CABLE, MISC.: FIBER OPTIC FUSION SPLICE	INTERCONNECT CABLE, MISC.: OVERLASH TO EXISTING INTERCONNECT	INTERCONNECT CABLE, MISC.: TERMINATION PANEL, 24 FIBER	INTERCONNECT, MISC.: SPLICE ENCLOSURE, DOME, 288 SPLICE	INTERCONNECT, MISC.: SPLICE ENCLOSURE, DOME, 800 SPLICE	MESSENGER WIRE, 7 STRAND, 1/4" DIAMETER WITH ACCESSORIES, AS PER PLAN	CONTROLLER ITEM, MISC.: CONTROLLER WORK PAD	CONTROLLER ITEM, MISC.: FIBER OPTIC ETHERNET TRANSCEIVER, SHORT RANGE			
			FROM	TO	FT	EACH	FT	FT	EACH	FT	EACH	FT	FT	EACH	FT	EACH	EACH	EACH	FT	EACH	EACH			
LANE AVE. BETWEEN STA. 34+00 AND 45+00, INT 4270																							
264	SE U-1	LANE AVE	35+61, 47' LT						1			75	125	12			1						
264	IC-3	LANE AVE	35+61, 47' LT	35+81, 41' LT			21			21			21							1			
264	IC-1	LANE AVE	35+61, 47' LT	37+01, 41' LT				282				141											
264	TC-1	LANE AVE	35+72, 41' LT										20			1					1		
264	IC-4	LANE AVE	35+72, 41' LT	35+81, 41' LT	9								9										
264	R-1	LANE AVE	36+93, 38' LT			1																	
264	IC-2	LANE AVE	37+01, 41' LT	45+00, 38' LT			800		3	800		800											
LANE AVE. BETWEEN STA. 45+00 AND 56+00, INT 4158																							
265	IC-1	LANE AVE	45+00, 38' LT	53+81, 62' LT			890		2	890		890											
265	IC-2	LANE AVE	47+26, 41' LT						1			100											
265	IC-3	LANE AVE	53+81, 62' LT								2	35											
265	IC-4	LANE AVE	53+81, 62' LT	55+25, 86' LT								171							171				
265	IC-5	LANE AVE	55+16, 59' LT	55+25, 86' LT									39		39								
265	R-1	LANE AVE	55+16, 59' LT			1																	
265	IC-6	LANE AVE	55+16, 59' LT										35										
265	IC-7	LANE AVE	55+16, 59' LT	55+19, 66' LT	7								7										
265	TC-1	LANE AVE	55+19, 66' LT										20			1					1		
265	SE A-1	LANE AVE	55+25, 86' LT									75	125	12				1					
SHEET TOTAL					16	2	1,711	282	7	1,711	2	2,287	401	24	39	2	1	1	171	1	2	-	-	-

AERIAL SAG: 1.5% AERIAL SAG IS INCLUDED IN THE QUANTITIES FOR ANY AERIAL FIBER OR CABLE ITEMS.

3676-E

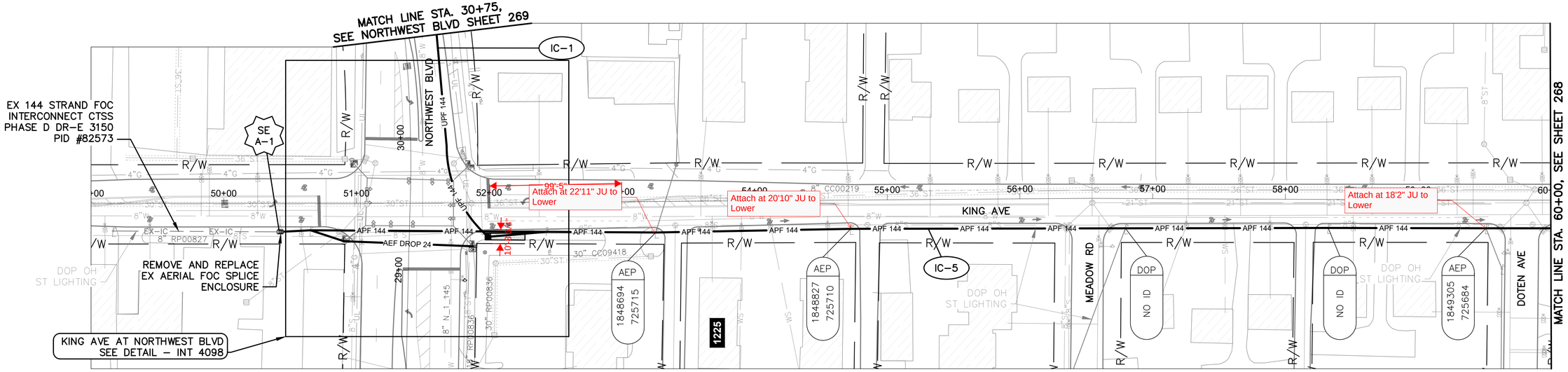
CIP: 540007-100060
PID NUMBER: 110521

LANE AVE BETWEEN STA. 34+00 & 56+00
INTS 4270 & 4158

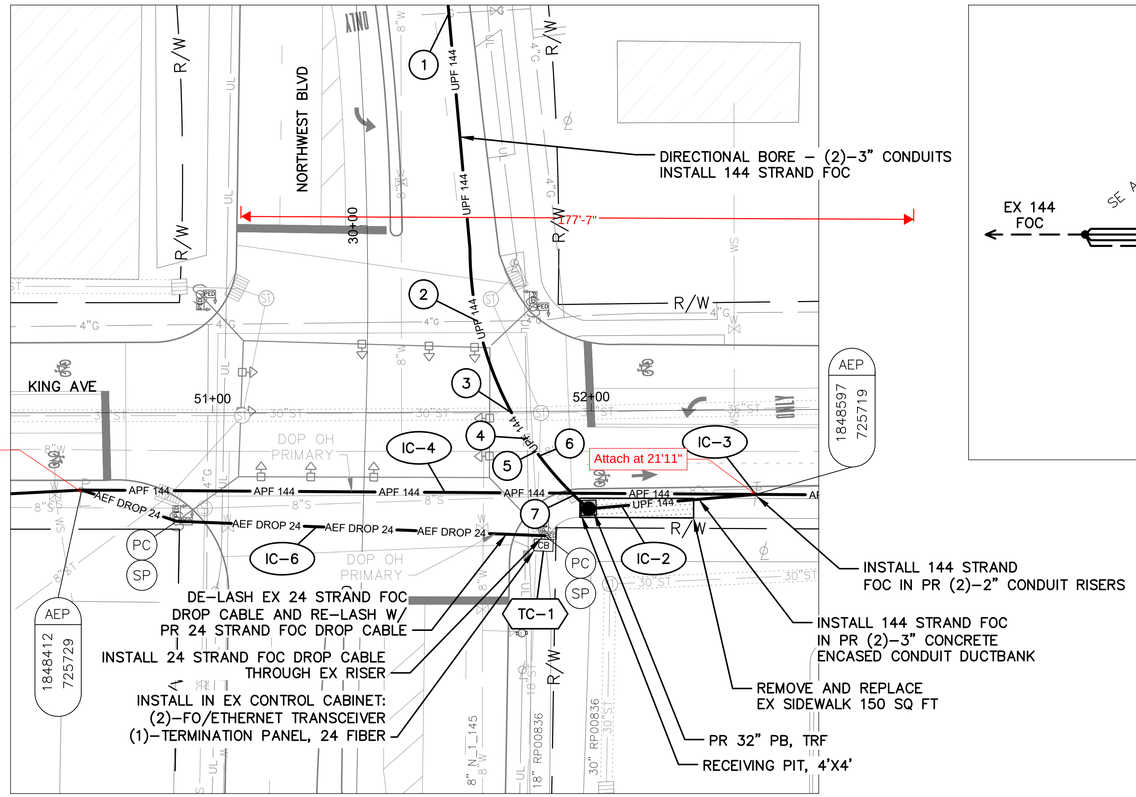
CITY OF COLUMBUS TRAFFIC SIGNAL SYSTEM
(CTSS) PHASE F - FINAL SUBMITTAL

266
768

J:\Jobs\70202 - CTSS Phase F\TECHPROD\Sheets\CTSS_PhF_Trunk3_LANE_JC_QUANTITIES.dwg - LANE 01 layout ~ last saved by: robevans 02/22/2022 09:47pm ~ printed 06/02/2022 01:40pm PSLTS: 1 LTS: 1 CAS: 1:1

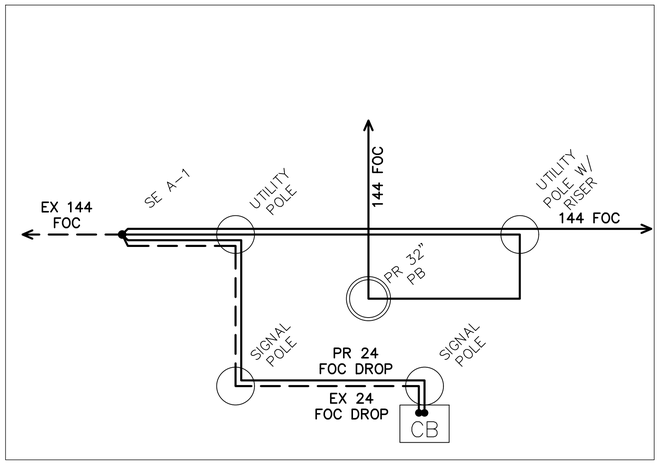


KING AVE BETWEEN STATION 49+00 AND 60+00



DETAIL - INT 4098

0 20 40
HORIZONTAL SCALE IN FEET



CABLE SCHEMATIC - INT 4098
NOT TO SCALE

NOTES:

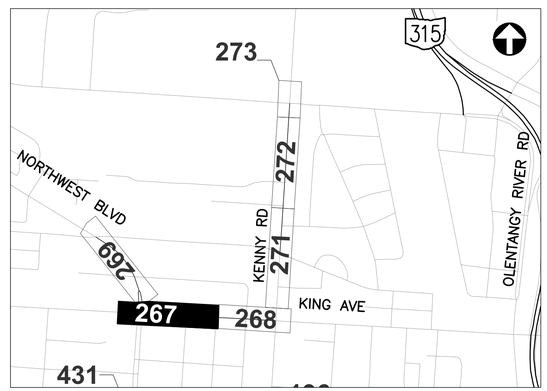
1. SEE SHEET 270 FOR QUANTITIES.
2. SEE SHEETS 473 & 612 FOR COMMUNICATION DETAILS.

(#) EXISTING UTILITY CROSSING. SEE UTILITY CROSSING INFO SHEET 245.

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CITY OF COLUMBUS UTILITY LEGEND

- SEWER
- WATER
- POWER
- LIGHTING



REFER TO SHEET 237 FOR INTERCONNECT SHEET INDEX

KEY PLAN
NOT TO SCALE

0 40 80
HORIZONTAL SCALE IN FEET

CIP: 540007-100060
PID NUMBER: 110521

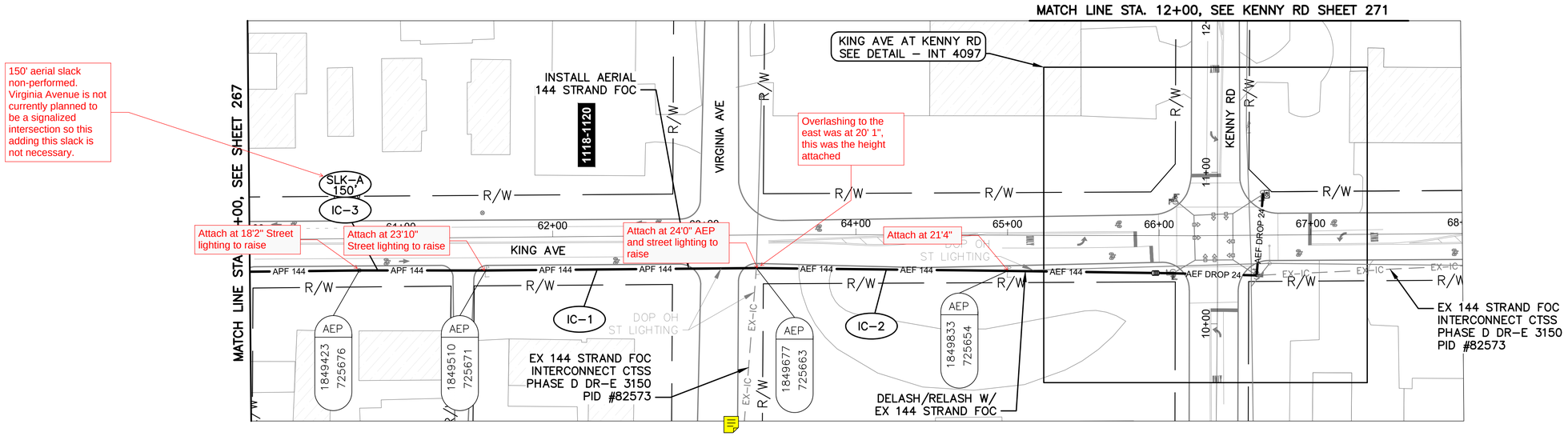
INTERCONNECT PLAN
KING AVE BETWEEN STA. 49+00 AND 60+00, INT 4098

CITY OF COLUMBUS TRAFFIC SIGNAL SYSTEM (CTSS) PHASE F - FINAL SUBMITTAL

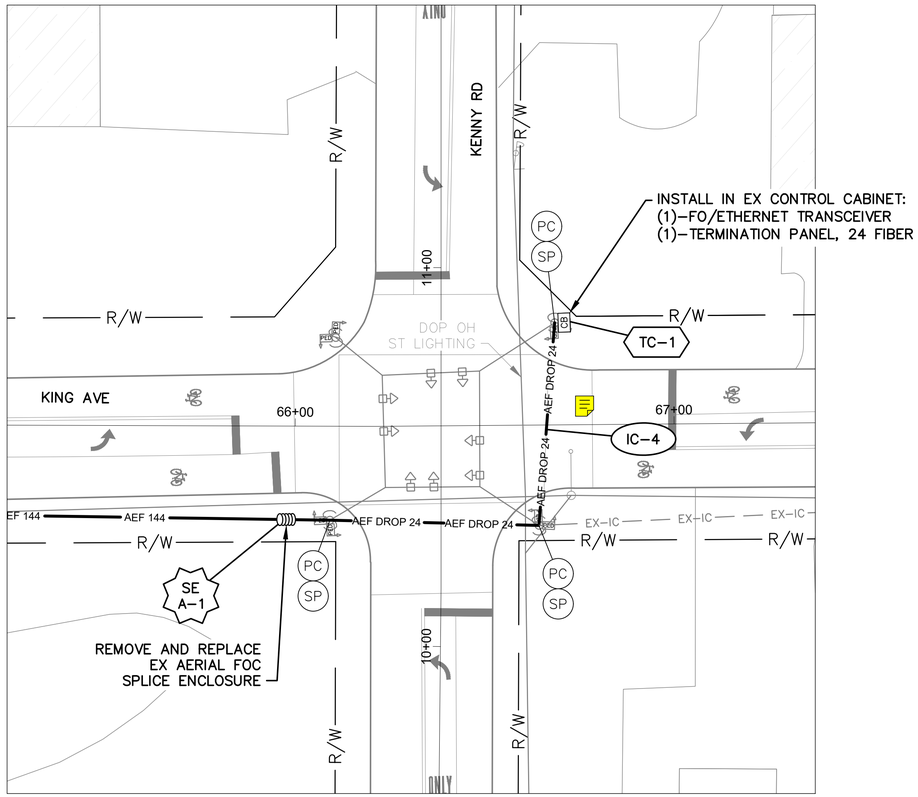
3676-E

267
768

J:\Jobs\70202 - CTSS Phase F\TECHPROD\Sheets\CTSS_PhF_Trunk3_KING_INTERCONNECT.dwg - 49+00 to 60+00 layout ~ last saved by: gburch 02/22/2022 09:47pm ~ printed 06/02/2022 10:34am PSLTS: 1 LTS: 1 CAS: 1:1

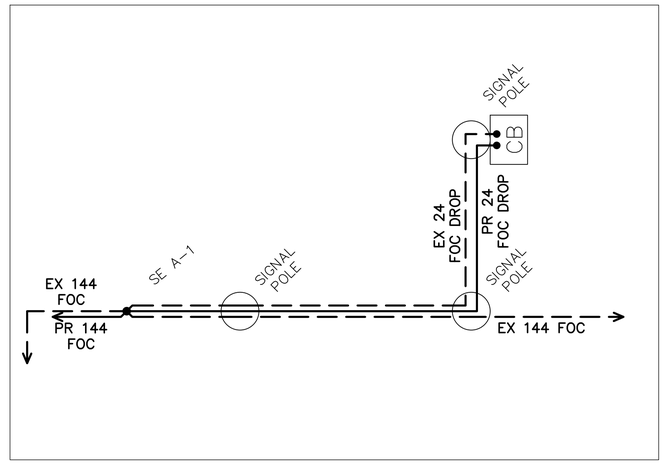


KING AVE BETWEEN STATION 60+00 AND 68+00



DETAIL - INT 4097

0 20 40
HORIZONTAL SCALE IN FEET



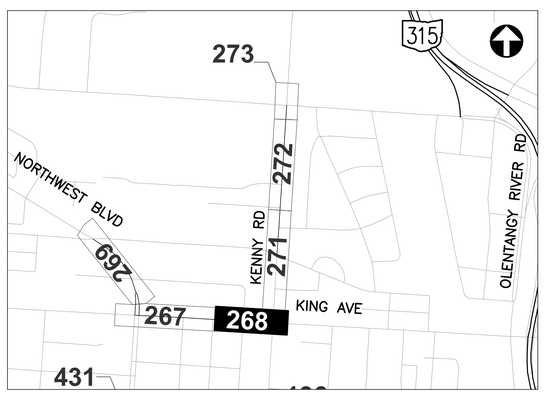
CABLE SCHEMATIC - INT 4097
NOT TO SCALE

NOTES:

1. SEE SHEET 270 FOR QUANTITIES.
2. SEE SHEETS 473 & 611 FOR COMMUNICATION DETAILS.

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CITY OF COLUMBUS UTILITY LEGEND
- ☐ SEWER
- ☐ WATER
- ☐ POWER
- ☒ LIGHTING



REFER TO SHEET 237 FOR INTERCONNECT SHEET INDEX

KEY PLAN
NOT TO SCALE

3676-E

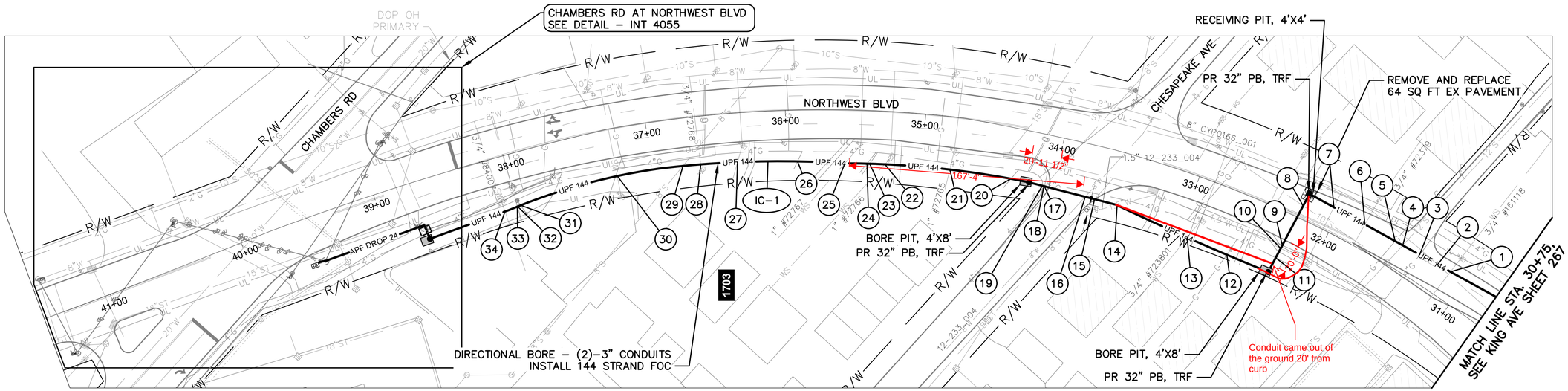
CIP: 540007–100060
PID NUMBER: 110521

INTERCONNECT PLAN
KING AVE BETWEEN STA. 60+00 AND 68+00, INT 4097

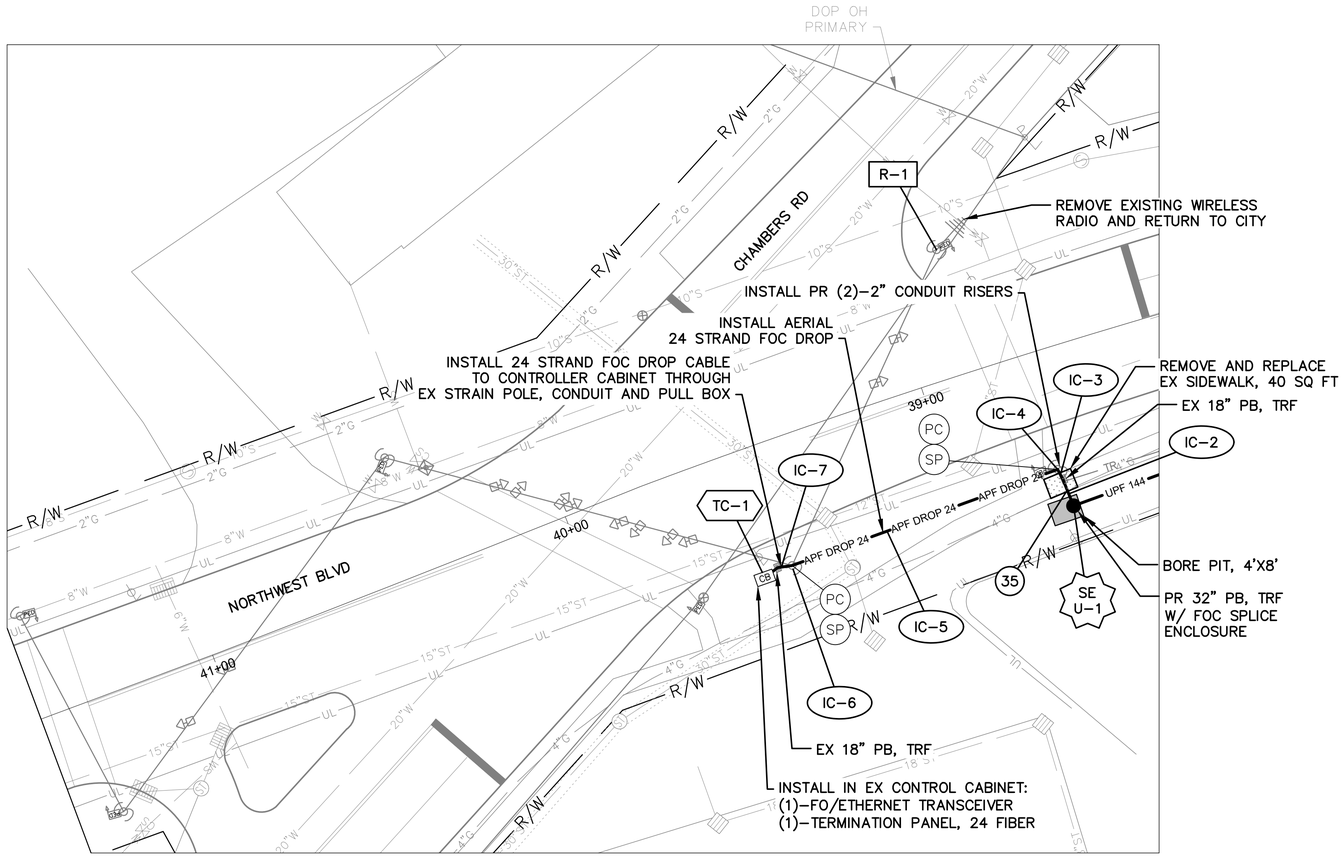
CITY OF COLUMBUS TRAFFIC SIGNAL SYSTEM
(CTSS) PHASE F – FINAL SUBMITTAL

268
768

J:\Jobs\70202 – CTSS Phase F\TECHPROD\Sheets\CTSS_PhF_Trunk3_KING_INTERCONNECT.dwg – KING–2 layout ~ last saved by: gburch 02/22/2022 09:47pm ~ printed 06/02/2022 10:35am PSLTS: 1 LTS: 1 CAS: 1:1



NORTHWEST BLVD BETWEEN STATION 30+75 AND 41+50



DETAIL - INT 4055

0 20 40
HORIZONTAL
SCALE IN FEET

NOTES:

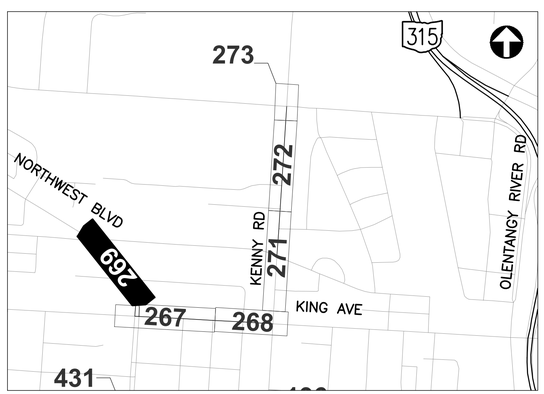
1. SEE SHEET 270 FOR QUANTITIES.
2. SEE SHEETS 473 & 613 FOR COMMUNICATION DETAILS.

(#) EXISTING UTILITY CROSSING.
SEE UTILITY CROSSING INFO
SHEET 245.

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CITY OF COLUMBUS
UTILITY LEGEND

- ☒ SEWER
- ☒ WATER
- ☒ POWER
- ☒ LIGHTING



REFER TO SHEET 237 FOR INTERCONNECT SHEET INDEX

KEY PLAN
NOT TO SCALE

3676-E

0 40 80
HORIZONTAL
SCALE IN FEET

CIP: 540007–100060
PID NUMBER: 110521

INTERCONNECT PLAN
NORTHWEST BLVD BETWEEN STA. 30+75 AND 41+50, INT 4055

CITY OF COLUMBUS TRAFFIC SIGNAL SYSTEM
(CTSS) PHASE F – FINAL SUBMITTAL

269
768

J:\Jobs\70202 – CTSS Phase F\TECHPROD\Sheets\CTSS_PhF_Trunk3_KING_INTERCONNECT.dwg – NORTHWEST–1 layout ~ last saved by: gburch 02/22/2022 09:47pm ~ printed 06/02/2022 10:36am PSLTS: 1 LTS: 1 CAS: 1:1

ESTIMATED QUANTITIES

SHEET NO.	REFERENCE NO.	LOCATION	STATION		202	202	202	608	625	625	625	625	632	632	632	632	632	632	632	632	633		
					EXISTING CONDUIT CLEANED, AS PER PLAN	REMOVAL, MISC.: REMOVE EXISTING OVERHEAD EQUIPMENT	WALK REMOVED	8" CONCRETE WALK	CONDUIT, CONCRETE ENCASED, 2-3", 725.051, AS PER PLAN	CONDUIT, JACKED OR DRILLED, 3", AS PER PLAN	PULL BOX, CONCRETE 32", AS PER PLAN	TRENCH, 36" DEEP, AS PER PLAN	CONDUIT RISER, 2", 725.04, AS PER PLAN	INTERCONNECT CABLE, MISC.: FIBER OPTIC CABLE, 144 STRAND	INTERCONNECT CABLE, MISC.: FIBER OPTIC DROP CABLE, 24 STRAND	INTERCONNECT CABLE, MISC.: FIBER OPTIC FUSION SPLICE	INTERCONNECT CABLE, MISC.: OVERLASH TO EXISTING INTERCONNECT	INTERCONNECT CABLE, MISC.: TERMINATION PANEL, 24 FIBER	INTERCONNECT, MISC.: SPLICE ENCLOSURE, DOME, 288 SPLICE	INTERCONNECT, MISC.: SPLICE ENCLOSURE, DOME, 800 SPLICE	MESSENGER WIRE, 7 STRAND, 1/4" DIAMETER WITH ACCESSORIES, AS PER PLAN	CONTROLLER ITEM, MISC.: FIBER OPTIC ETHERNET TRANSCEIVER, SHORT RANGE		
			FROM	TO	FT	EACH	SF	SF	FT	FT	EACH	FT	EACH	FT	FT	EACH	FT	EACH	EACH	EACH	FT	EACH		
KING AVE. BETWEEN STA. 49+00 AND 60+00, INT 4098																								
267	SE A-1	KING AVE	50+42, 22' RT											150	125	156				1				
267	IC-5	KING AVE	50+42, 22' RT	60+00, 21' RT										972							972			
267	IC-4	KING AVE	50+42, 22' RT	52+43, 22' RT										201										
267	IC-6	KING AVE	50+65, 20' RT	51+88, 33' RT											126		126							
267	IC-1	KING AVE	51+61, 126' LT	52+01, 29' RT						324	1			162										
267	TC-1	KING AVE	51+88, 33' RT												55			1				2		
267	IC-2	KING AVE	52+01, 29' RT	52+43, 22' RT			153	153	45			45		45										
267	IC-3	KING AVE	52+43, 22' RT										2	35										
KING AVE. BETWEEN STA. 60+00 AND 68+00, INT 4097																								
268	IC-1	KING AVE	60+00, 21' RT	63+34, 22' RT										339							339			
268	IC-3	KING AVE	60+85, 21' RT											150										
268	IC-2	KING AVE	63+34, 22' RT	65+97, 25' RT										263			263							
268	SE A-1	KING AVE	65+97, 25' RT											75	125	144				1				
268	IC-4	KING AVE	65+97, 25' RT	66+69, 27' LT											122		122							
268	TC-1	KING AVE	66+69, 27' LT												20			1				1		
NORTHWEST BLVD. BETWEEN STA. 30+75 AND 41+50, INT 4055																								
269	IC-1	NORTHWEST BLVD	30+75, 24' RT	38+53, 25' LT						1,678	3			839										
269	SE U-1	NORTHWEST BLVD	38+53, 25' LT								1			75	125	12			1					
269	IC-2	NORTHWEST BLVD	38+53, 25' LT	38+72, 30' LT			40	40	19			19			19									
269	IC-3	NORTHWEST BLVD	38+72, 30' LT										2		35									
269	IC-4	NORTHWEST BLVD	38+72, 30' LT	39+47, 33' LT											76						76			
269	R-1	NORTHWEST BLVD	38+85, 33' RT			1									35									
269	IC-5	NORTHWEST BLVD	39+47, 33' LT												35									
269	IC-6	NORTHWEST BLVD	39+47, 33' LT	39+55, 34' LT	8										8									
269	TC-1	NORTHWEST BLVD	39+55, 34' LT												20			1				1		
SHEET TOTAL					8	1	193	193	64	2,002	5	64	4	3,306	926	312	511	3	1	2	1,387	4	-	-

AERIAL SAG: 1.5% AERIAL SAG IS INCLUDED IN THE QUANTITIES FOR ANY AERIAL FIBER OR CABLE ITEMS.

3676-E

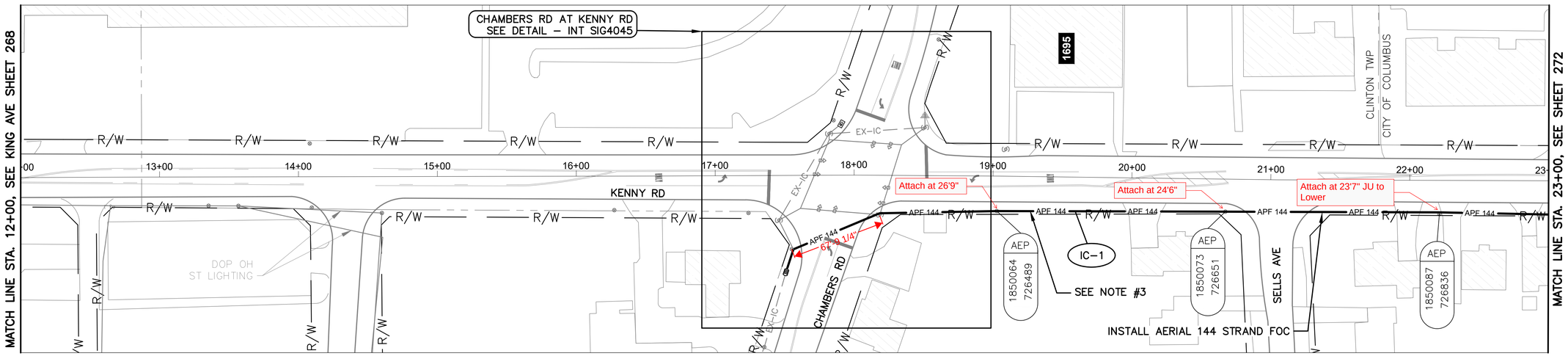
CIP: 540007-100060
PID NUMBER: 110521

INTERCONNECT PLAN – KING AVE BETWEEN STA. 49+00 & 68+00
NORTHWEST BLVD BTWN STA. 30+75 & 41+50, INTS 4098, 4097 AND 4055

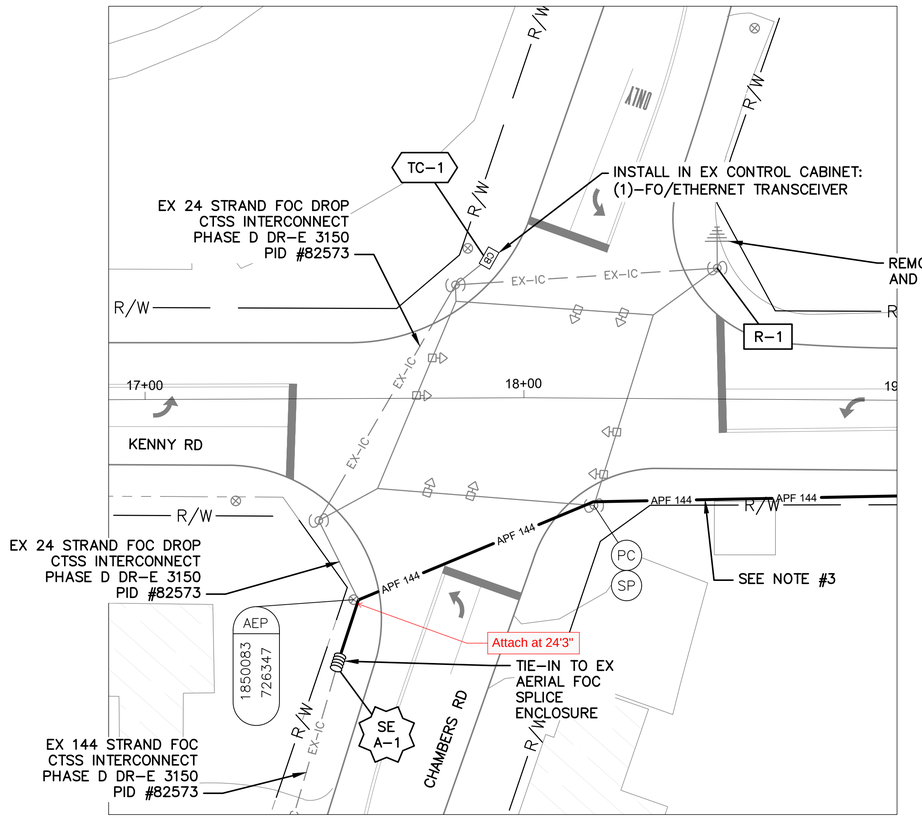
CITY OF COLUMBUS TRAFFIC SIGNAL SYSTEM
(CTSS) PHASE F – FINAL SUBMITTAL

270
768

J:\Jobs\70202 – CTSS Phase F\TECHPROD\Sheets\CTSS_PhF_Trunk3_KING_IC_QUANTITIES.dwg – KING Q1 layout ~ last saved by: gburch 02/22/2022 09:47pm ~ printed 06/02/2022 01:41pm PSLTS: 1 LTS: 1 CAS: 1:1



KENNY RD BETWEEN STATION 12+00 AND 23+00



DETAIL - INT SIG4045

0 20 40
HORIZONTAL
SCALE IN FEET

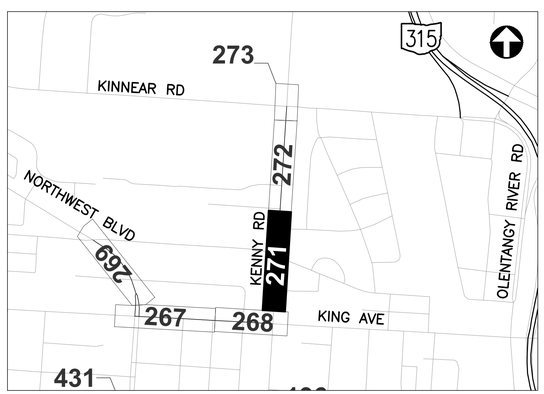
NOTES:

1. SEE SHEET 274 FOR QUANTITIES.
2. SEE SHEETS 473 & 610 FOR COMMUNICATION DETAILS.
3. INSTALL CABLE GUARD WHERE AERIAL OBSTRUCTIONS ARE PRESENT.

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CITY OF COLUMBUS UTILITY LEGEND

- ☐ SEWER
- ☐ WATER
- ☐ POWER
- ☒ LIGHTING



REFER TO SHEET 237 FOR INTERCONNECT SHEET INDEX

KEY PLAN
NOT TO SCALE

0 40 80
HORIZONTAL
SCALE IN FEET

CIP: 540007–100060
PID NUMBER: 110521

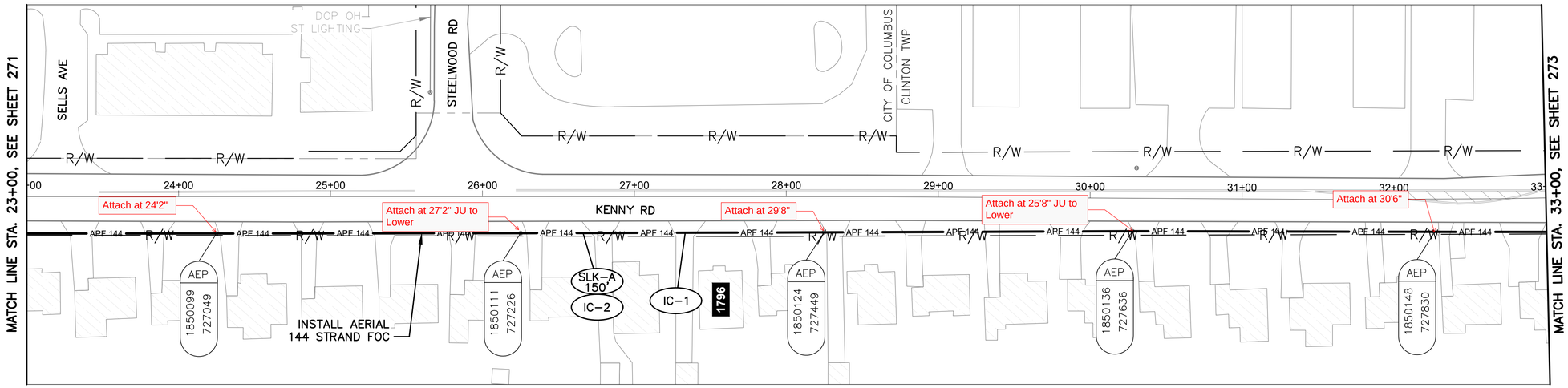
INTERCONNECT PLAN
KENNY RD BETWEEN STA. 12+00 AND 23+00, INT SIG4045

CITY OF COLUMBUS TRAFFIC SIGNAL SYSTEM
(CTSS) PHASE F – FINAL SUBMITTAL

271
768

3676-E

J:\Jobs\70202 – CTSS Phase F\TECHPROD\Sheets\CTSS_PhF_Trunk3_KENNY_INTERCONNECT.dwg – KENNY–1 layout ~ last saved by: gburch 02/22/2022 09:47pm ~ printed 06/02/2022 10:37am PSLTS: 1 LTS: 1 CAS: 1:1



KENNY RD BETWEEN STATION 23+00 AND 33+00

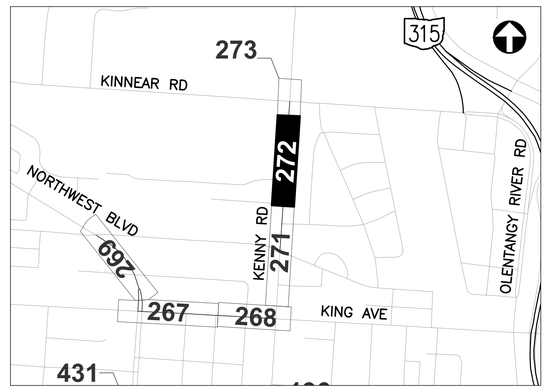
NOTES:

1. SEE SHEET 274 FOR QUANTITIES.
2. SEE SHEET 473 FOR COMMUNICATION DETAILS.

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CITY OF COLUMBUS UTILITY LEGEND

- ☐ SEWER
- ☐ WATER
- ☐ POWER
- ☒ LIGHTING



REFER TO SHEET 237 FOR INTERCONNECT SHEET INDEX

KEY PLAN
NOT TO SCALE

3676-E

HORIZONTAL SCALE IN FEET
0 40 80

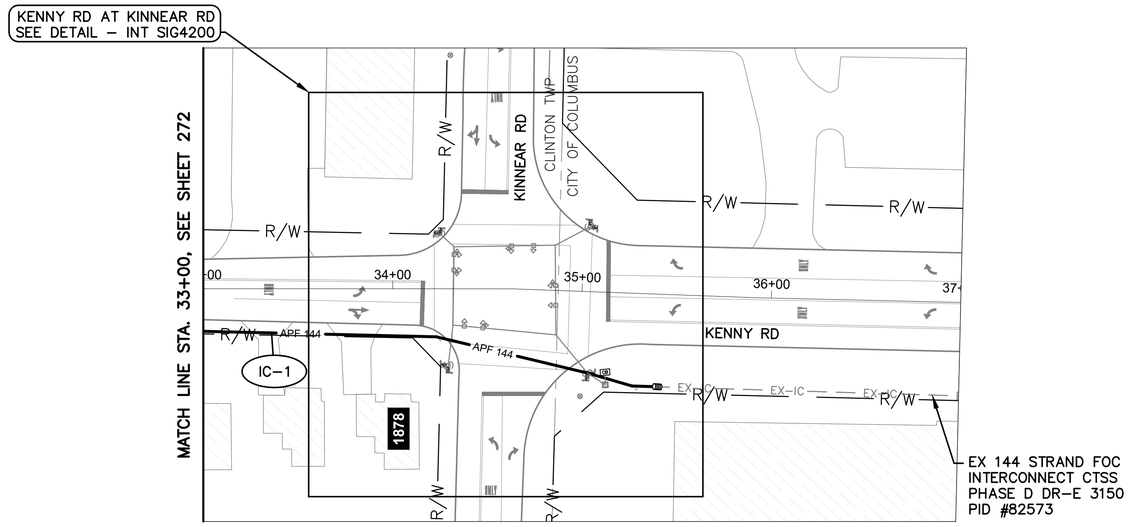
CIP: 540007-100060
PID NUMBER: 110521

INTERCONNECT PLAN
KENNY RD BETWEEN STA. 23+00 AND 33+00

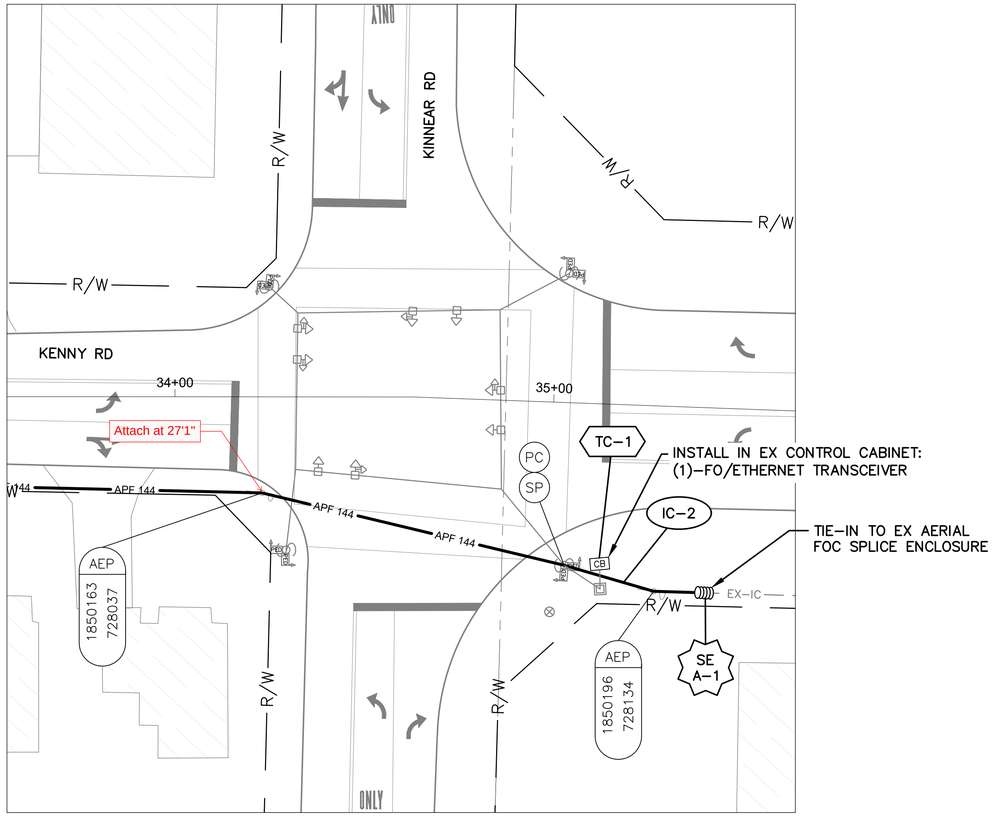
CITY OF COLUMBUS TRAFFIC SIGNAL SYSTEM
(CTSS) PHASE F – FINAL SUBMITTAL

272
768

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KENNY RD BETWEEN STATION 33+00 AND 37+00



DETAIL - INT SIG4200

0 20 40
HORIZONTAL
SCALE IN FEET

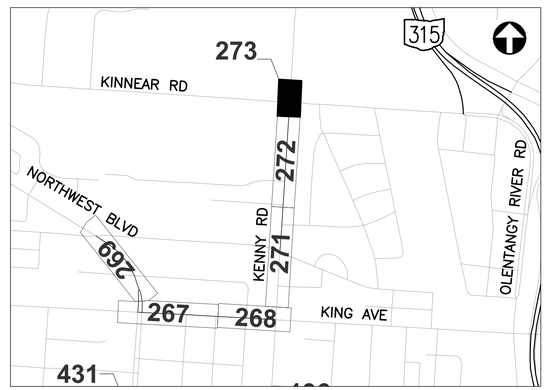
NOTES:

1. SEE SHEET 274 FOR QUANTITIES.
2. SEE SHEETS 473 & 609 FOR COMMUNICATION DETAILS.

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CITY OF COLUMBUS UTILITY LEGEND

- ☐ SEWER
- ☐ WATER
- ☐ POWER
- ☐ LIGHTING



REFER TO SHEET 237 FOR
INTERCONNECT SHEET INDEX

KEY PLAN
NOT TO SCALE

3676-E

0 40 80
HORIZONTAL
SCALE IN FEET

CIP: 540007–100060
PID NUMBER: 110521

INTERCONNECT PLAN
KENNY RD BETWEEN STA. 33+00 AND 37+00, INT SIG4200

CITY OF COLUMBUS TRAFFIC SIGNAL SYSTEM
(CTSS) PHASE F – FINAL SUBMITTAL

273
768

J:\Jobs\70202 – CTSS Phase F\TECHPROD\Sheets\CTSS_PhF_Trunk3_KENNY_INTERCONNECT.dwg – KENNY–3 layout ~ last saved by: gburch 02/22/2022 09:47pm ~ printed 06/02/2022 10:38am PSLTS: 1 LTS: 1 CAS: 1:1

ESTIMATED QUANTITIES

SHEET NO.	REFERENCE NO.	LOCATION	STATION		202	632	632	632	632	633															
					REMOVAL, MISC.: REMOVE EXISTING OVERHEAD EQUIPMENT	INTERCONNECT CABLE, MISC.: FIBER OPTIC CABLE, 144 STRAND	INTERCONNECT CABLE, MISC.: FIBER OPTIC FUSION SPLICE	INTERCONNECT CABLE, MISC.: OVERLASH TO EXISTING INTERCONNECT	MESSENGER WIRE, 7 STRAND, 1/4" DIAMETER WITH ACCESSORIES, AS PER PLAN	CONTROLLER ITEM, MISC.: FIBER OPTIC ETHERNET TRANSCEIVER, SHORT RANGE														
			FROM	TO	EACH	FT	EACH	FT	FT	EACH															
KENNY RD. BETWEEN STA. 12+00 AND 23+00, INT SIG4045																									
271	SE A-1	KENNY RD	17+50, 70' RT			74	144																		
271	IC-1	KENNY RD	17+50, 70' RT	23+00, 24' RT		574			574																
271	TC-1	KENNY RD	17+91, 37' LT							1															
271	R-1	KENNY RD	18+51, 35' LT		1																				
KENNY RD. BETWEEN STA. 23+00 AND 33+00																									
272	IC-1	KENNY RD	23+00, 24' RT	33+00, 23' RT		1,015			1,015																
272	IC-2	KENNY RD	26+66, 24' RT			150																			
KENNY RD. BETWEEN STA. 33+00 AND 37+00, INT SIG4200																									
273	IC-1	KENNY RD	33+00, 23' RT	35+04, 43' RT		209			209																
273	IC-2	KENNY RD	35+04, 43' RT	35+41, 49' RT		38		38																	
273	TC-1	KENNY RD	35+14, 42' RT							1															
273	SE A-1	KENNY RD	35+41, 49' RT			75	144																		
SHEET TOTAL					1	2,135	288	38	1,798	2	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-

AERIAL SAG: 1.5% AERIAL SAG IS INCLUDED IN THE QUANTITIES FOR ANY AERIAL FIBER OR CABLE ITEMS.

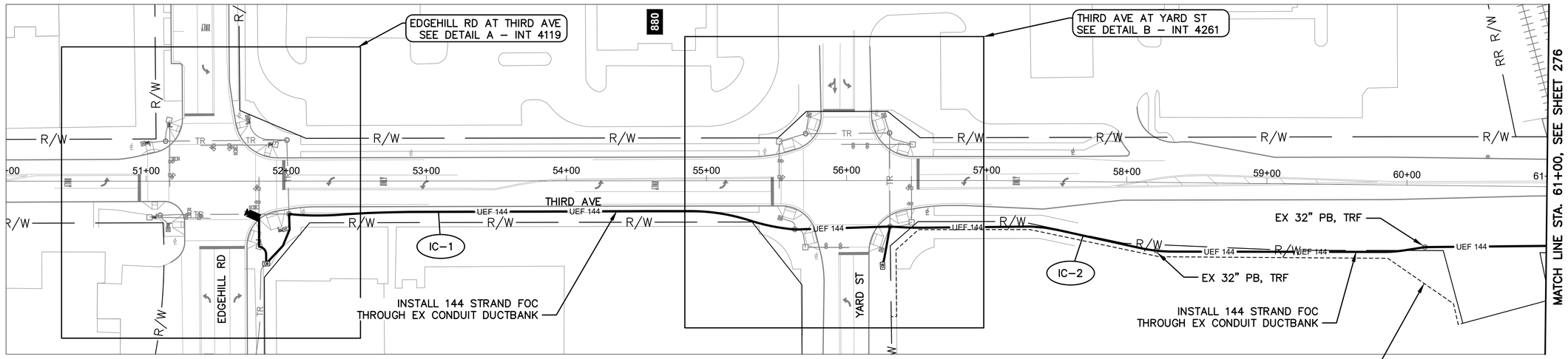
3676-E

CIP: 540007-100060
PID NUMBER: 110521

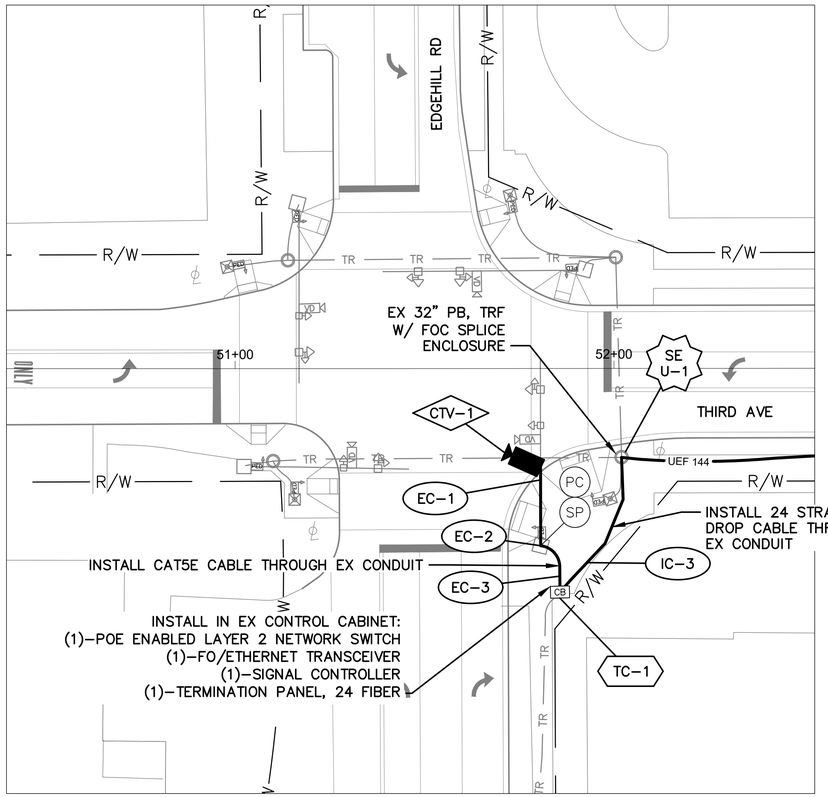
KENNY RD BETWEEN STA. 12+00 & 37+00
INTS SIG4045 AND SIG4200

CITY OF COLUMBUS TRAFFIC SIGNAL SYSTEM
(CTSS) PHASE F – FINAL SUBMITTAL

J:\Jobs\70202 – CTSS Phase F\TECHPROD\Sheets\CTSS_PhF_Trunk3_KENNY_IC_QUANTITIES.dwg – KENNY Q1 layout ~ last saved by: gburch 02/22/2022 09:47pm ~ printed 06/02/2022 01:41pm PSLTS: 1 LTS: 1 CAS: 1:1

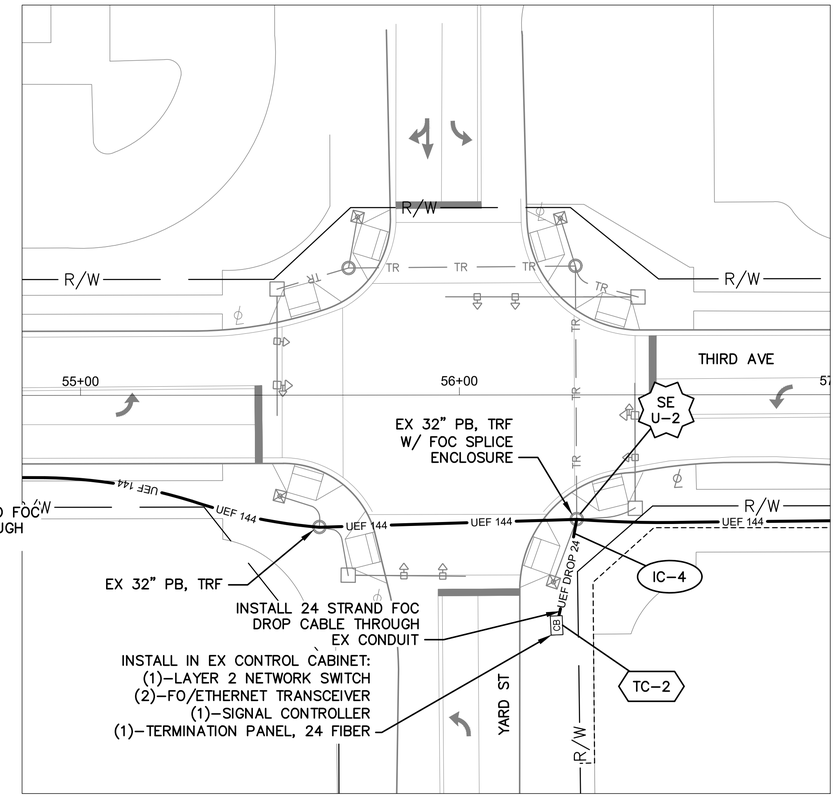


THIRD AVE BETWEEN STATION 50+00 AND 61+00



DETAIL A - INT 4119

0 20 40
HORIZONTAL
SCALE IN FEET



DETAIL B - INT 4261

0 20 40
HORIZONTAL
SCALE IN FEET

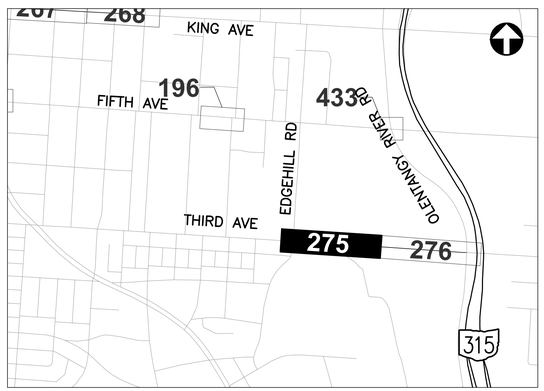
NOTES:

1. SEE SHEET 277 FOR QUANTITIES.
2. SEE SHEETS 472, 604 & 605 FOR COMMUNICATION DETAILS.
3. SEE SHEET 49 FOR CCTV MOUNTING DETAILS.
4. EXISTING CITY OF COLUMBUS EASEMENT, INSTRUMENT NUMBER #201210050150072.

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CITY OF COLUMBUS UTILITY LEGEND

- ☐ SEWER
- ☐ WATER
- ☐ POWER
- ☐ LIGHTING



REFER TO SHEET 237 FOR INTERCONNECT SHEET INDEX

KEY PLAN
NOT TO SCALE

3676-E

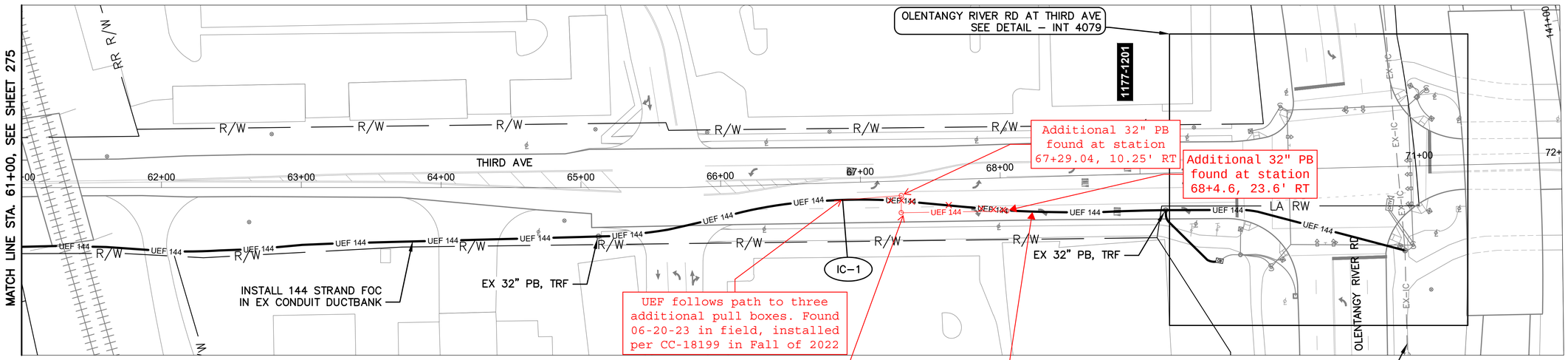
CIP: 540007–100060
PID NUMBER: 110521

INTERCONNECT PLAN
THIRD AVE BETWEEN STA. 50+00 AND 61+00, INTS 4119 & 4261

CITY OF COLUMBUS TRAFFIC SIGNAL SYSTEM
(CTSS) PHASE F – FINAL SUBMITTAL

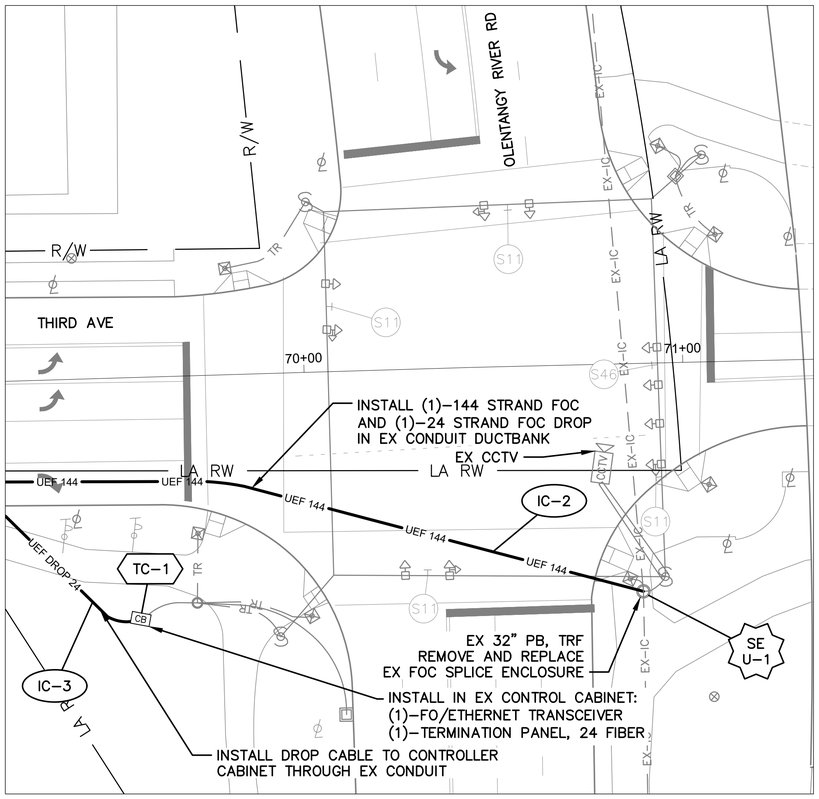
275
768

J:\Jobs\70202 – CTSS Phase F\TECHPROD\Sheets\CTSS_PhF_Trunk3_THIRD_INTERCONNECT.dwg – THIRD–1 layout ~ last saved by: gburch 04/26/2022 01:01pm ~ printed 06/02/2022 10:40am PSLTS: 1 LTS: 1 CAS: 1:1



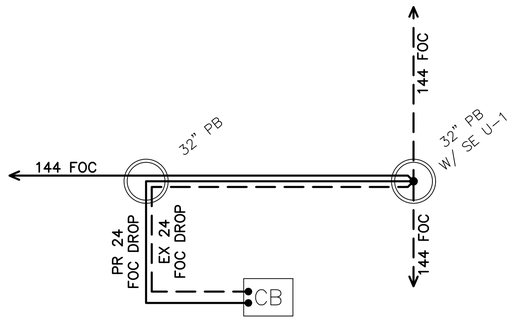
THIRD AVE BETWEEN STATION 61+00 AND 72+00

CC-18199 plans show that the duct bank past the furthest east proposed pull box was replaced; but the as-built shown on this page reflects what was found in the field. It appears this project either re-used some duct bank and a pull box, or the newly installed traffic duct bank follows the same path shown on 3676-E.



DETAIL - INT 4079

0 20 40
HORIZONTAL SCALE IN FEET



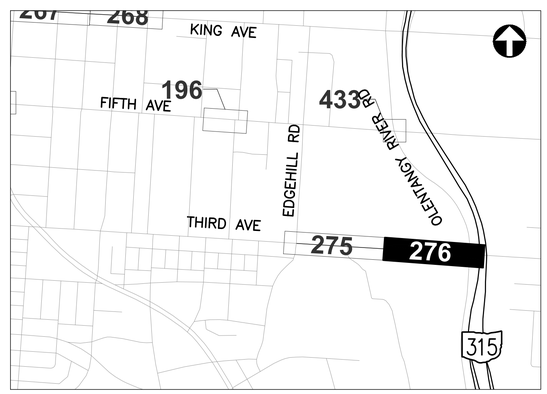
CABLE SCHEMATIC - INT 4079
NOT TO SCALE

NOTES:

1. SEE SHEET 277 FOR QUANTITIES.
2. SEE SHEETS 472 & 606 FOR COMMUNICATION DETAILS.

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CITY OF COLUMBUS UTILITY LEGEND
- ☐ SEWER
- ☐ WATER
- ☐ POWER
- ☐ LIGHTING



REFER TO SHEET 237 FOR INTERCONNECT SHEET INDEX

KEY PLAN
NOT TO SCALE

0 40 80
HORIZONTAL SCALE IN FEET

CIP: 540007–100060
PID NUMBER: 110521

INTERCONNECT PLAN
THIRD AVE BETWEEN STA. 61+00 AND 72+00, INT 4079

CITY OF COLUMBUS TRAFFIC SIGNAL SYSTEM
(CTSS) PHASE F – FINAL SUBMITTAL

276
768

3676-E

J:\Jobs\70202 – CTSS Phase F\TECHPROD\Sheets\CTSS_PhF_Trunk3_THIRD_INTERCONNECT.dwg – THIRD-2 layout ~ last saved by: gburch 04/26/2022 01:01pm ~ printed 06/02/2022 10:41am PSLTS: 1 LTS: 1 CAS: 1:1

ESTIMATED QUANTITIES

SHEET NO.	REFERENCE NO.	LOCATION	STATION		202	632	632	632	632	632	632	632	632	632	633	633	633	633						
					EXISTING CONDUIT CLEANED, AS PER PLAN	INTERCONNECT CABLE, MISC.: FIBER OPTIC CABLE, 144 STRAND	INTERCONNECT CABLE, MISC.: FIBER OPTIC DROP CABLE, 24 STRAND	INTERCONNECT CABLE, MISC.: FIBER OPTIC FUSION SPLICE	INTERCONNECT CABLE, MISC.: TERMINATION PANEL, 24 FIBER	INTERCONNECT, MISC.: CAT 5E CABLE, OUTDOOR RATED	INTERCONNECT, MISC.: SPLICE ENCLOSURE, DOME, 288 SPLICE	INTERCONNECT, MISC.: SPLICE ENCLOSURE, DOME, 800 SPLICE	MESSENGER WIRE, 7 STRAND, 1/4" DIAMETER WITH ACCESSORIES, AS PER PLAN	SIGNALIZATION, MISC.: CCTV IP-CAMERA SYSTEM	CONTROLLER ITEM, MISC.: FIBER OPTIC ETHERNET TRANSCEIVER, SHORT RANGE	CONTROLLER ITEM, MISC.: LAYER 2 ETHERNET SWITCH	CONTROLLER ITEM, MISC.: POE ENABLED LAYER 2 ETHERNET SWITCH	CONTROLLER UNIT, TYPE TS2/A2, AS PER PLAN						
			FROM	TO	FT	FT	FT	EACH	EACH	FT	EACH	EACH	FT	EACH	EACH	EACH	EACH	EACH						
THIRD AVE. BETWEEN STA. 50+00 AND 61+00, INTS 4119 & 4261																								
275	CTV-1	THIRD AVE	51+80, 26' RT											1										
275	EC-1	THIRD AVE	51+80, 26' RT	51+80, 47' RT						20			20											
275	EC-2	THIRD AVE	51+80, 47' RT							35														
275	EC-3	THIRD AVE	51+80, 47' RT	51+85, 59' RT	15					15														
275	TC-1	THIRD AVE	51+85, 59' RT				20		1						1		1	1						
275	IC-3	THIRD AVE	51+85, 59' RT	52+01, 23' RT	41		41																	
275	SE U-1	THIRD AVE	52+01, 23' RT			75	125	12			1													
275	IC-1	THIRD AVE	52+01, 23' RT	56+30, 33' RT	431	431																		
275	TC-2	THIRD AVE	56+25, 61' RT				20		1						2	1		1						
275	IC-4	THIRD AVE	56+25, 61' RT	56+30, 33' RT	28		28																	
275	IC-2	THIRD AVE	56+30, 33' RT	61+00, 42' RT	471	471																		
275	SE U-2	THIRD AVE	56+30, 33' RT			150	125	24			1													
THIRD AVE. BETWEEN STA. 61+00 AND 72+00, INT 4079																								
276	IC-1	THIRD AVE	61+00, 42' RT	70+88, 60' RT	996	996																		
276	IC-3	THIRD AVE	69+17, 26' RT	69+54, 64' RT	57		57																	
276	IC-2	THIRD AVE	69+17, 26' RT	70+88, 60' RT			175																	
276	TC-1	THIRD AVE	69+54, 64' RT				20		1						1									
276	SE U-1	THIRD AVE	70+88, 60' RT			75	125	144				1												
SHEET TOTAL					2,039	2,198	736	180	3	70	2	1	20	1	4	1	1	2	-	-	-	-	-	-

AERIAL SAG: 1.5% AERIAL SAG IS INCLUDED IN THE QUANTITIES FOR ANY AERIAL FIBER OR CABLE ITEMS.

3676-E

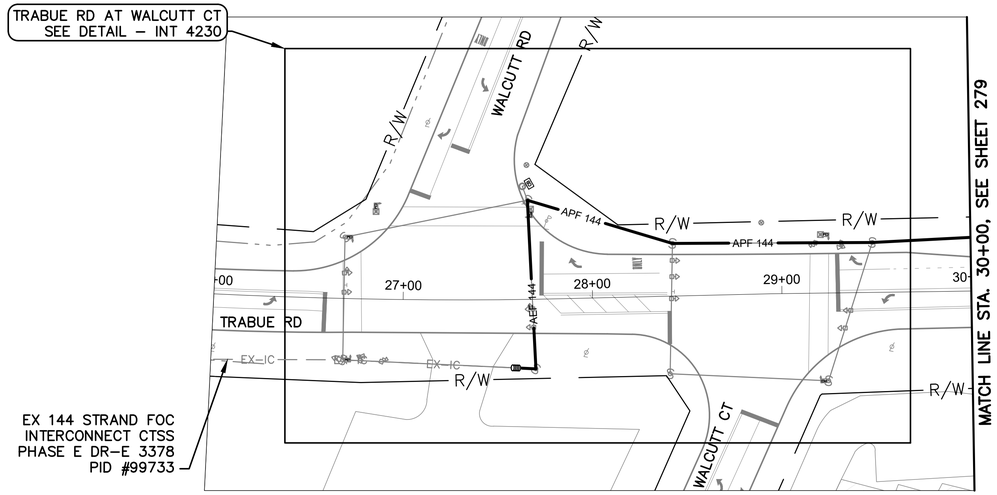
CIP: 540007-100060
PID NUMBER: 110521

THIRD AVE BETWEEN STA. 50+00 & 72+00
INTS 4119, 4261 AND 4079

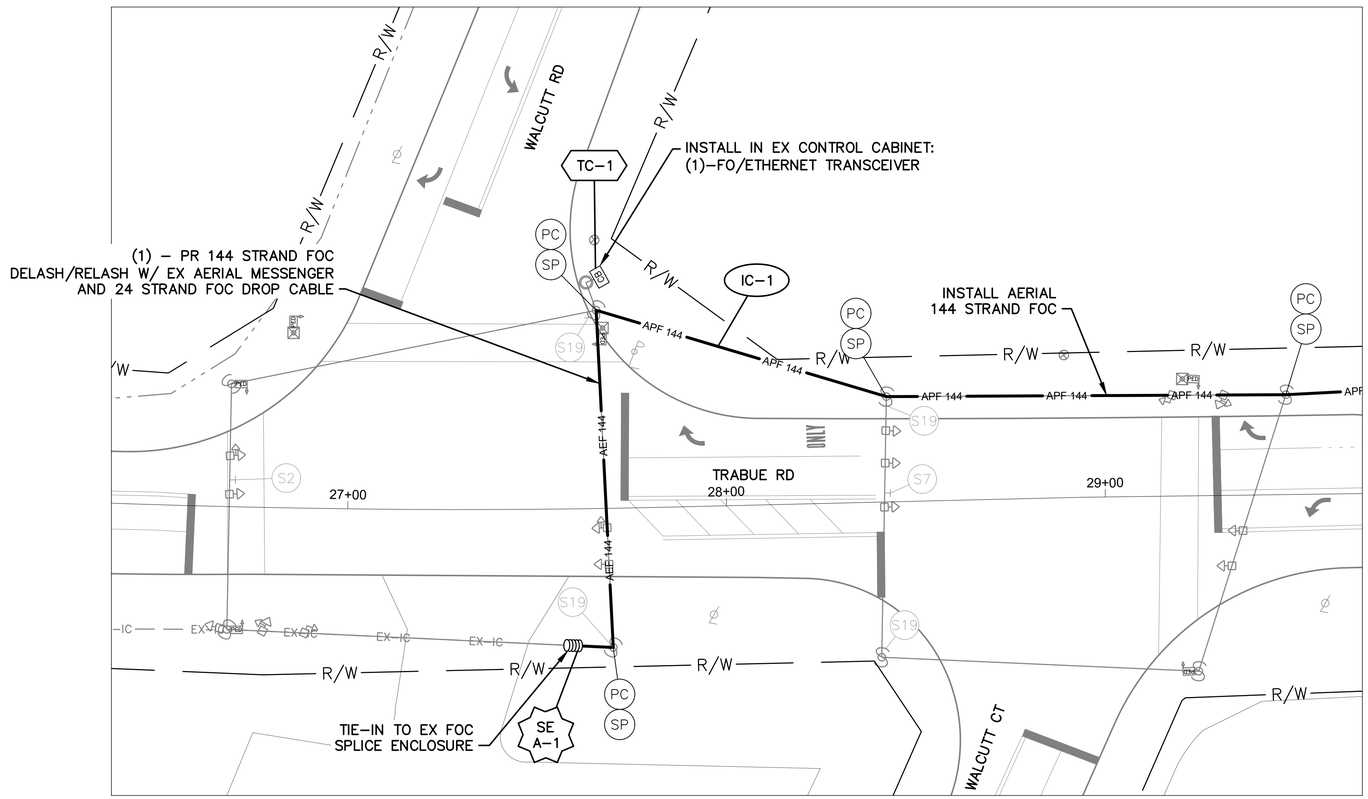
CITY OF COLUMBUS TRAFFIC SIGNAL SYSTEM
(CTSS) PHASE F – FINAL SUBMITTAL

277
768

J:\Jobs\70202 – CTSS Phase F\TECHPROD\Sheets\CTSS_PhF_Trunk3_THIRD_IC_QUANTITIES.dwg – THIRD Q1 layout ~ last saved by: robevans 02/22/2022 09:48pm ~ printed 06/02/2022 01:42pm PSLTS: 1 LTS: 1 CAS: 1:1



RENNER AND TRABUE RD BETWEEN STATION 26+00 AND 30+00



DETAIL - INT 4230

0 20 40
HORIZONTAL
SCALE IN FEET

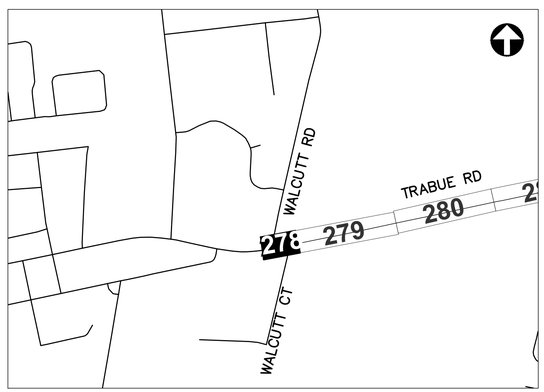
NOTES:

1. SEE SHEET 283 FOR QUANTITIES.
2. SEE SHEETS 481 & 657 FOR COMMUNICATION DETAILS.

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CITY OF COLUMBUS UTILITY LEGEND

- ☐ SEWER
- ☐ WATER
- ☐ POWER
- ☐ LIGHTING



REFER TO SHEET 237 FOR
INTERCONNECT SHEET INDEX

KEY PLAN
NOT TO SCALE

0 40 80
HORIZONTAL
SCALE IN FEET

CIP: 540007–100060
PID NUMBER: 110521

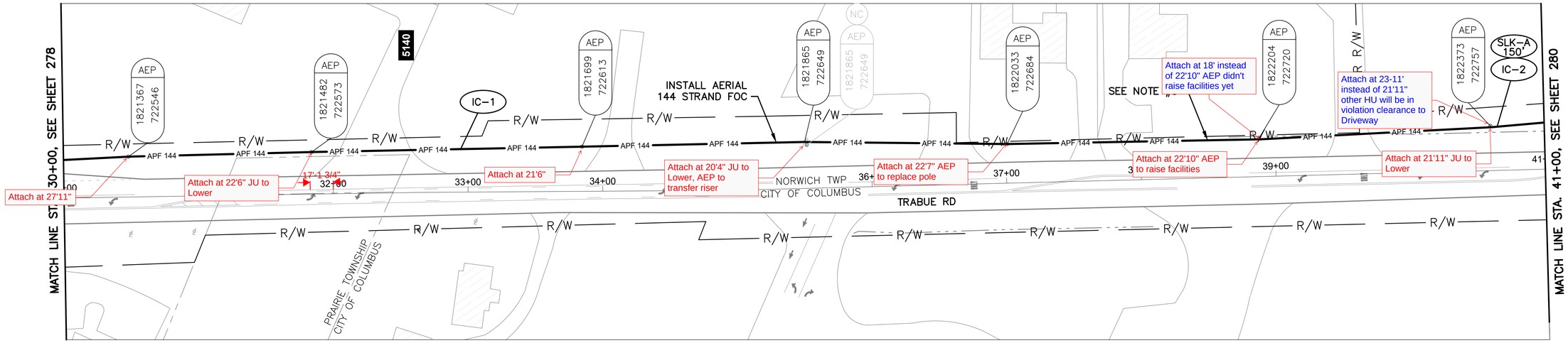
INTERCONNECT PLAN
TRABUE RD BETWEEN STA. 26+00 AND 30+00, INT 4230

CITY OF COLUMBUS TRAFFIC SIGNAL SYSTEM
(CTSS) PHASE F – FINAL SUBMITTAL

3676-E

278
768

J:\Jobs\70202 – CTSS Phase F\TECHPROD\Sheets\CTSS_PhF_Trunk3_TRABUE_2_INTERCONNECT.dwg – TRABUE–11 layout ~ last saved by: gburch 05/27/2022 08:13am ~ printed 06/02/2022 10:43am PSLTS: 1 LTS: 1 CAS: 1:1



TRABUE RD BETWEEN STATION 30+00 AND 41+00

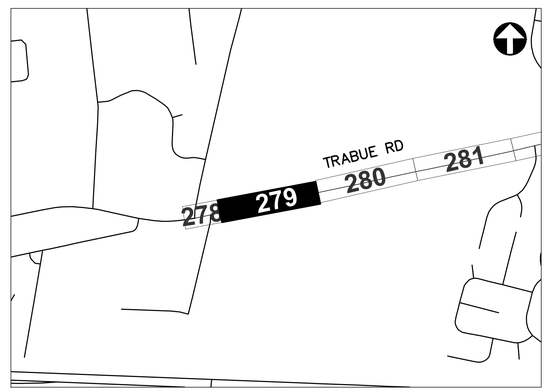
NOTES:

1. SEE SHEET 283 FOR QUANTITIES.
2. SEE SHEET 481 FOR COMMUNICATION DETAILS.
3. INSTALL CABLE GUARD WHERE AERIAL OBSTRUCTIONS ARE PRESENT.

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CITY OF COLUMBUS UTILITY LEGEND

- ☐ SEWER
- ☐ WATER
- ☐ POWER
- ☐ LIGHTING



REFER TO SHEET 237 FOR INTERCONNECT SHEET INDEX

KEY PLAN
NOT TO SCALE

3676-E

HORIZONTAL SCALE IN FEET
0 40 80

CIP: 540007–100060
PID NUMBER: 110521

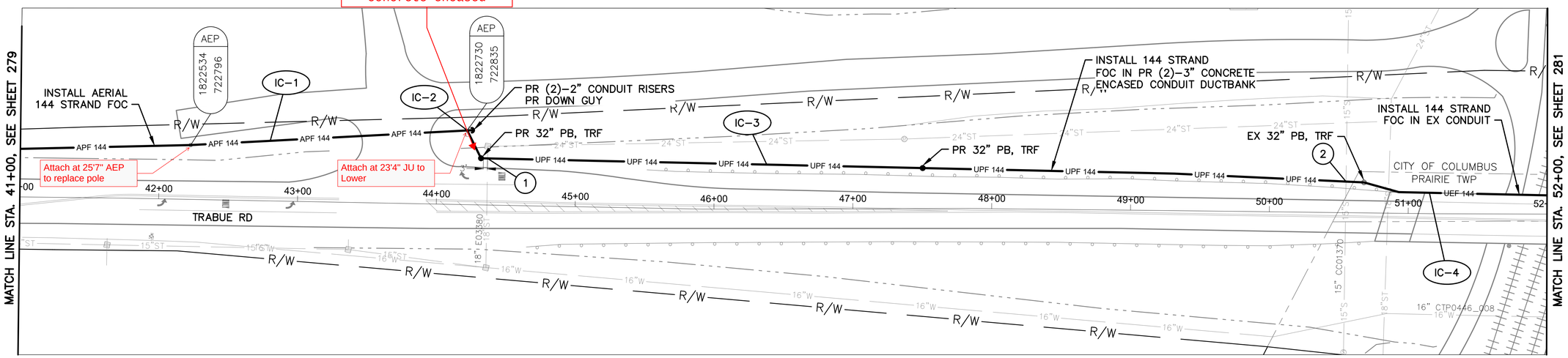
INTERCONNECT PLAN
TRABUE RD BETWEEN STA. 30+00 AND 41+00

CITY OF COLUMBUS TRAFFIC SIGNAL SYSTEM
(CTSS) PHASE F – FINAL SUBMITTAL

279
768

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(2)-2" schedule 80 PVC used to connect PB to pole/risers and not concrete encased



TRABUE RD BETWEEN STATION 41+00 AND 52+00

NOTES:

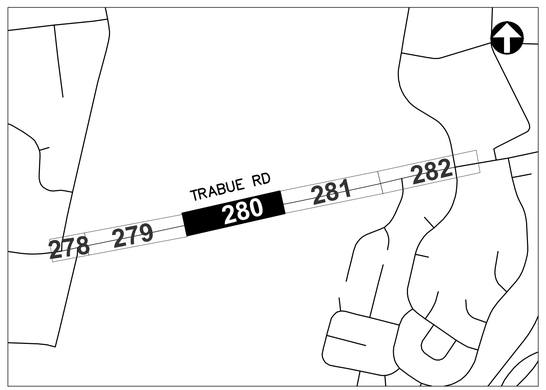
1. SEE SHEET 280 FOR QUANTITIES.
2. SEE SHEET 481 FOR COMMUNICATION DETAILS.
3. RAILROAD CROSSING AT STA. 51+50 TO 54+50. SEE SHEET 25 FOR RAILROAD COORDINATION DETAILS.

(#) EXISTING UTILITY CROSSING. SEE UTILITY CROSSING INFO SHEET 245.

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CITY OF COLUMBUS UTILITY LEGEND

- [X] SEWER
- [X] WATER
- [ ] POWER
- [ ] LIGHTING



REFER TO SHEET 237 FOR INTERCONNECT SHEET INDEX

KEY PLAN
NOT TO SCALE

3676-E

HORIZONTAL SCALE IN FEET
0 40 80

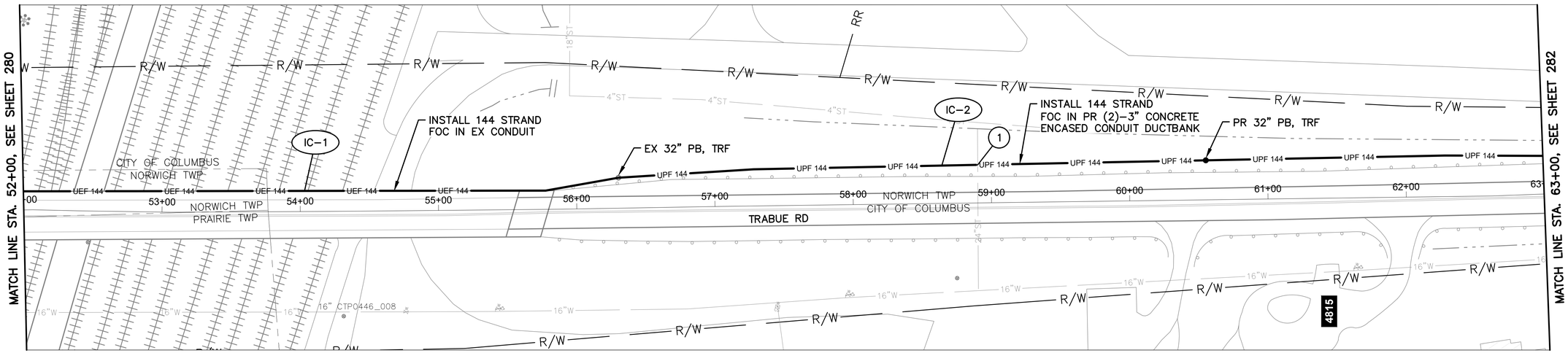
CIP: 540007-100060
PID NUMBER: 110521

INTERCONNECT PLAN
TRABUE RD BETWEEN STA. 41+00 AND 52+00

CITY OF COLUMBUS TRAFFIC SIGNAL SYSTEM
(CTSS) PHASE F – FINAL SUBMITTAL

280
768

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TRABUE RD BETWEEN STATION 52+00 AND 63+00

NOTES:

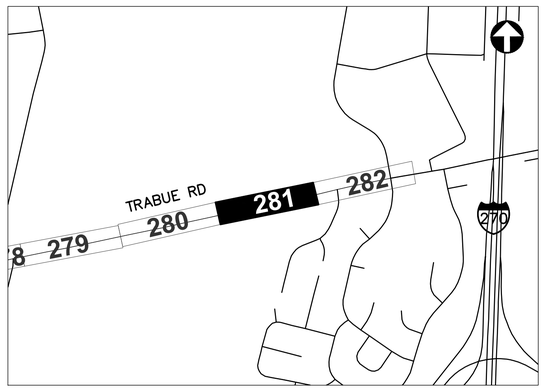
1. SEE SHEET 283 FOR QUANTITIES.
2. SEE SHEET 481 FOR COMMUNICATION DETAILS.
3. RAILROAD CROSSING AT STA. 51+50 TO STA. 54+50. SEE SHEET 25 FOR RAILROAD COORDINATION DETAILS.

(#) EXISTING UTILITY CROSSING. SEE UTILITY CROSSING INFO SHEET 245.

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CITY OF COLUMBUS UTILITY LEGEND

☒	SEWER
☒	WATER
☐	POWER
☐	LIGHTING



REFER TO SHEET 237 FOR INTERCONNECT SHEET INDEX

KEY PLAN
NOT TO SCALE

HORIZONTAL SCALE IN FEET
0 40 80

CIP: 540007–100060
PID NUMBER: 110521

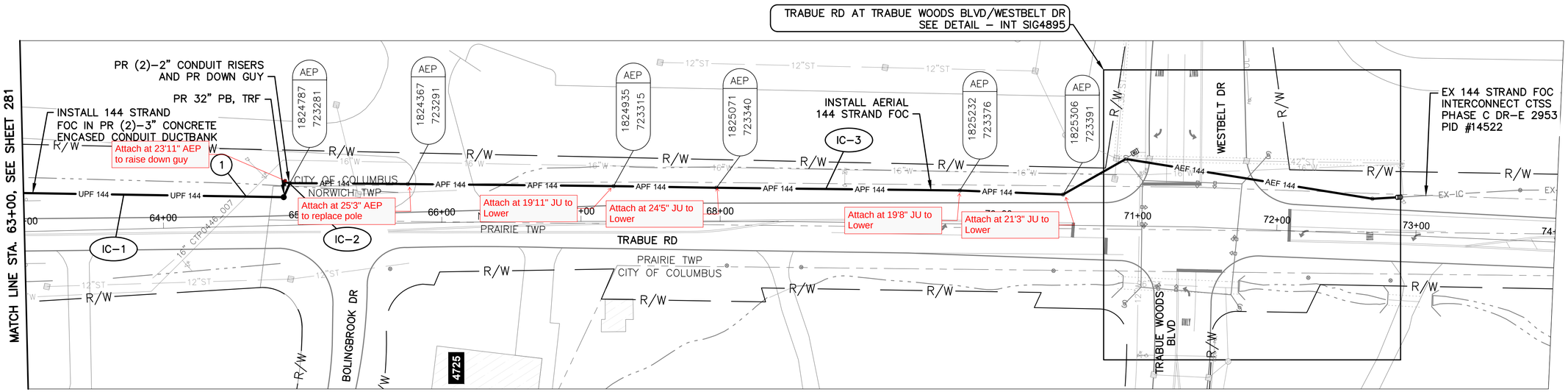
INTERCONNECT PLAN
TRABUE RD BETWEEN STA. 52+00 AND 63+00

CITY OF COLUMBUS TRAFFIC SIGNAL SYSTEM
(CTSS) PHASE F – FINAL SUBMITTAL

281
768

3676-E

J:\Jobs\70202 – CTSS Phase F\TECHPROD\Sheets\CTSS_PhF_Trunk3_TRABUE_2_INTERCONNECT.dwg – TRABUE-14 layout ~ last saved by: gburch 05/27/2022 08:13am ~ printed 06/02/2022 10:45am PSLTS: 1 LTS: 1 CAS: 1:1



TRABUE RD BETWEEN STATION 63+00 AND 74+00

DETAIL - INT SIG4895

0 20 40

HORIZONTAL SCALE IN FEET

NOTES:

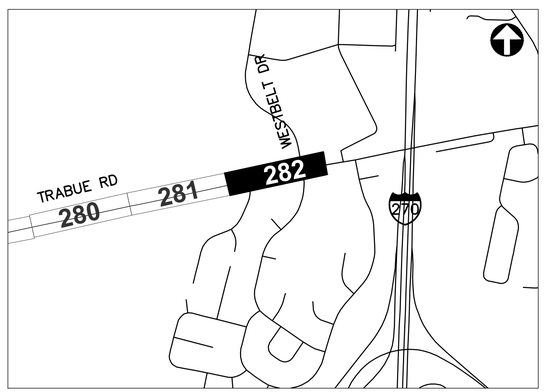
1. SEE SHEET 283 FOR QUANTITIES.
2. SEE SHEET 481 & 658 FOR COMMUNICATION DETAILS.

(#) EXISTING UTILITY CROSSING. SEE UTILITY CROSSING INFO SHEET 245.

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CITY OF COLUMBUS UTILITY LEGEND

- [X] SEWER
- [X] WATER
- [ ] POWER
- [X] LIGHTING



REFER TO SHEET 237 FOR INTERCONNECT SHEET INDEX

KEY PLAN
NOT TO SCALE

3676-E

0 40 80
HORIZONTAL SCALE IN FEET

CIP: 540007–100060
PID NUMBER: 110521

INTERCONNECT PLAN
TRABUE RD BETWEEN STA. 63+00 AND 74+00, INT SIG4895

CITY OF COLUMBUS TRAFFIC SIGNAL SYSTEM
(CTSS) PHASE F – FINAL SUBMITTAL

282
768

J:\Jobs\70202 – CTSS Phase F\TECHPROD\Sheets\CTSS_PhF_Trunk3_TRABUE_2_INTERCONNECT.dwg – TRABUE–15 layout ~ last saved by: gburch 05/27/2022 08:13am ~ printed 06/02/2022 10:47am PSLTS: 1 LTS: 1 CAS: 1:1

ESTIMATED QUANTITIES

SHEET NO.	REFERENCE NO.	LOCATION	STATION		202	625	625	625	632	632	632	632	632	632	633										
					EXISTING CONDUIT CLEANED, AS PER PLAN	CONDUIT, CONCRETE ENCASED, 2-3", 725.051, AS PER PLAN	PULL BOX, CONCRETE 32", AS PER PLAN	TRENCH, 36" DEEP, AS PER PLAN	CONDUIT RISER, 2", 725.04, AS PER PLAN	DOWN GUY	INTERCONNECT CABLE, MISC.: FIBER OPTIC CABLE, 144 STRAND	INTERCONNECT CABLE, MISC.: FIBER OPTIC FUSION SPLICE	INTERCONNECT CABLE, MISC.: OVERLASH TO EXISTING INTERCONNECT	MESSENGER WIRE, 7 STRAND, 1/4" DIAMETER WITH ACCESSORIES, AS PER PLAN	CONTROLLER ITEM, MISC.: FIBER OPTIC ETHERNET TRANSCEIVER, SHORT RANGE									
			FROM	TO	FT	FT	EACH	FT	EACH	EACH	FT	EACH	FT	FT	EACH										
TRABUE RD. BETWEEN STA. 26+00 AND 30+00, INT 4230																									
278	IC-1	TRABUE RD	27+59, 36' RT	30+00, 28' LT							346		91	255											
278	SE A-1	TRABUE RD	27+59, 36' RT								75	144													
278	TC-1	TRABUE RD	27+65, 62' LT												1										
TRABUE RD. BETWEEN STA. 30+00 AND 41+00																									
279	IC-1	TRABUE RD	30+00, 28' LT	41+00, 35' LT							1,117			1,117											
279	IC-2	TRABUE RD	40+66, 33' LT								150														
TRABUE RD. BETWEEN STA. 41+00 AND 52+00																									
280	IC-1	TRABUE RD	41+00, 35' LT	44+21, 53' LT							327			327											
280	IC-2	TRABUE RD	44+21, 53' LT						2	1	35														
280	IC-3	TRABUE RD	44+21, 53' LT	50+67, 22' LT		659	2	659			659														
280	IC-4	TRABUE RD	50+67, 22' LT	52+00, 13' LT	133						133														
TRABUE RD. BETWEEN STA. 52+00 AND 63+00																									
281	IC-1	TRABUE RD	52+00, 13' LT	56+30, 22' LT	431						431														
281	IC-2	TRABUE RD	56+30, 22' LT	63+00, 28' LT		669	1	669			669														
TRABUE RD. BETWEEN STA. 63+00 AND 74+00, INT SIG4895																									
282	IC-1	TRABUE RD	63+00, 28' LT	64+91, 30' LT		198	1	198			198														
282	IC-2	TRABUE RD	64+91, 30' LT						2	1	35														
282	IC-3	TRABUE RD	64+91, 30' LT	70+90, 48' LT							616			616											
282	IC-4	TRABUE RD	70+90, 48' LT	72+86, 27' LT							199		199												
282	TC-1	TRABUE RD	70+97, 53' LT												1										
282	SE A-1	TRABUE RD	72+86, 27' LT								75	144													
SHEET TOTAL					564	1,526	4	1,526	4	2	5,065	288	290	2,315	2	-	-	-	-	-	-	-	-	-	-

AERIAL SAG: 1.5% AERIAL SAG IS INCLUDED IN THE QUANTITIES FOR ANY AERIAL FIBER OR CABLE ITEMS.

3676-E

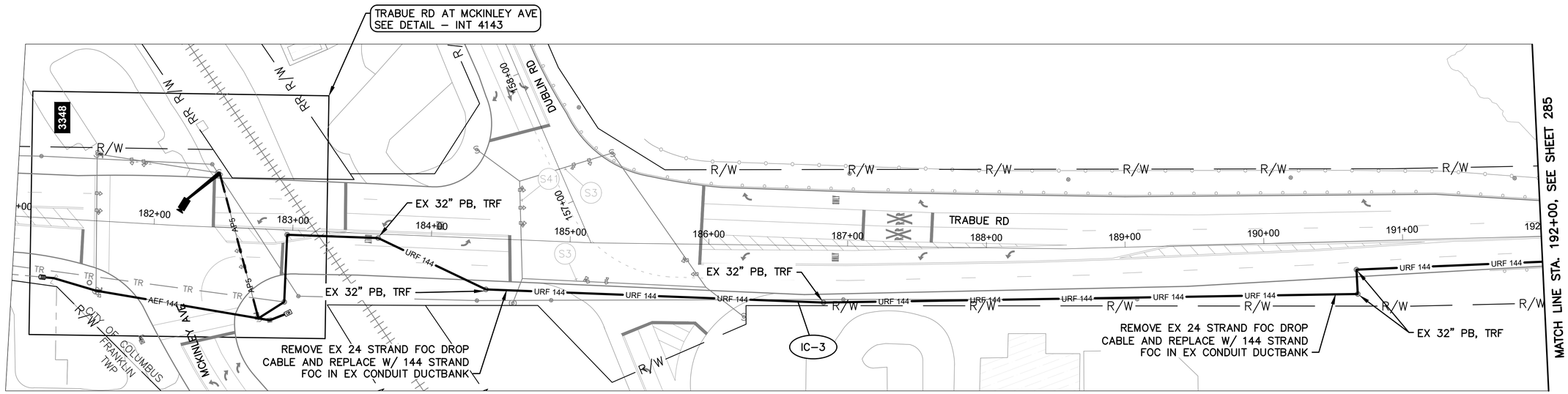
CIP: 540007-100060
PID NUMBER: 110521

TRABUE RD BETWEEN STA. 26+00 & 74+00
INTS 4230 AND SIG4895

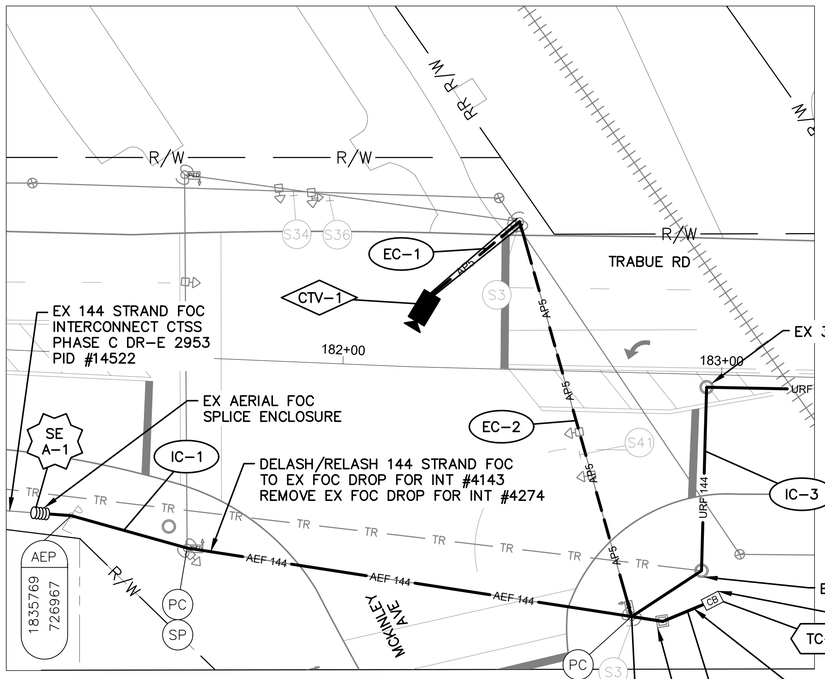
CITY OF COLUMBUS TRAFFIC SIGNAL SYSTEM
(CTSS) PHASE F – FINAL SUBMITTAL

283
768

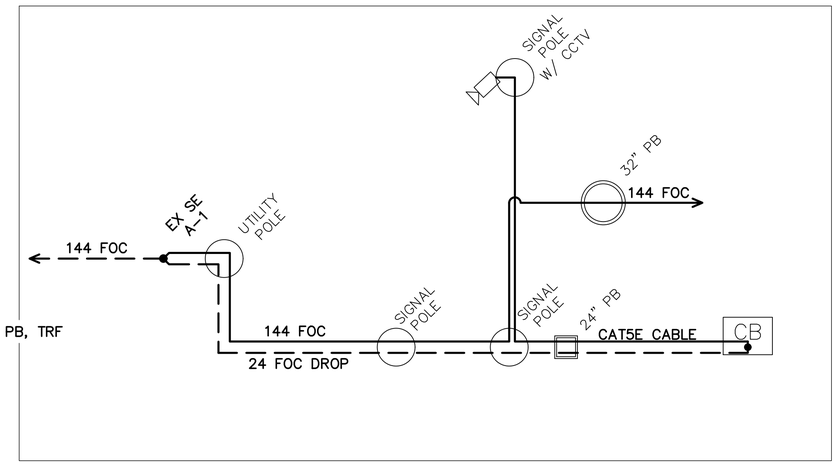
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TRABUE RD BETWEEN STATION 181+00 AND 192+00



DETAIL - INT 4143



CABLE SCHEMATIC - INT 4143
NOT TO SCALE

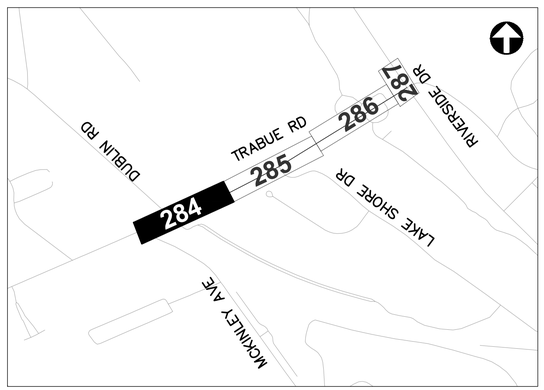
NOTES:

1. SEE SHEET 289 FOR QUANTITIES.
2. SEE SHEETS 474 & 617 FOR COMMUNICATION DETAILS.
3. SEE SHEET 49 FOR CCTV MOUNTING DETAILS.

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CITY OF COLUMBUS UTILITY LEGEND

- ☐ SEWER
- ☐ WATER
- ☐ POWER
- ☐ LIGHTING



REFER TO SHEET 237 FOR INTERCONNECT SHEET INDEX

KEY PLAN
NOT TO SCALE

3676-E

HORIZONTAL SCALE IN FEET
0 40 80

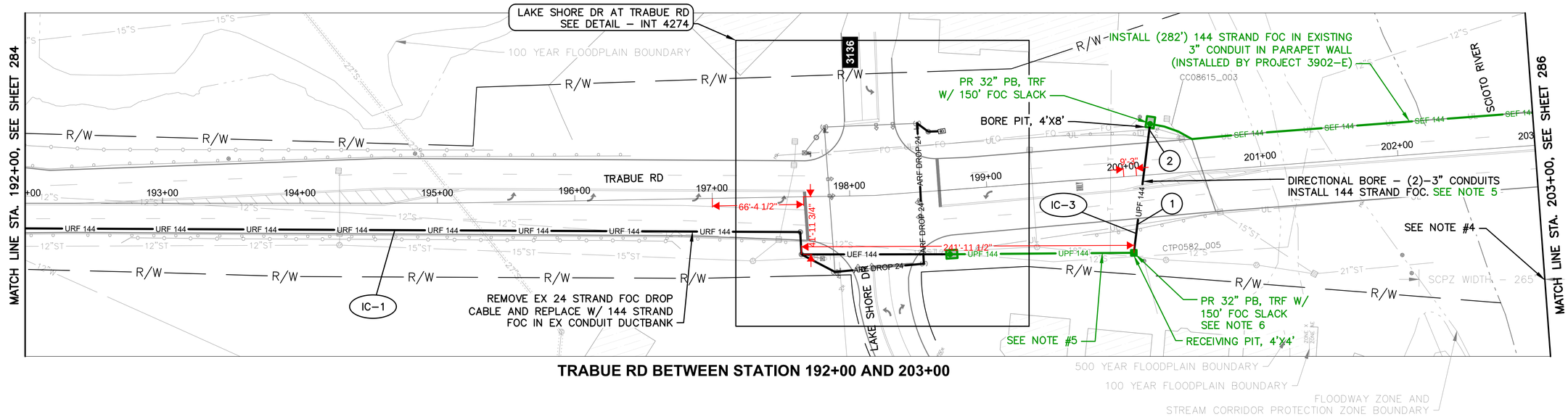
CIP: 540007–100060
PID NUMBER: 110521

INTERCONNECT PLAN
TRABUE RD BETWEEN STA. 181+00 AND 192+00, INT 4143

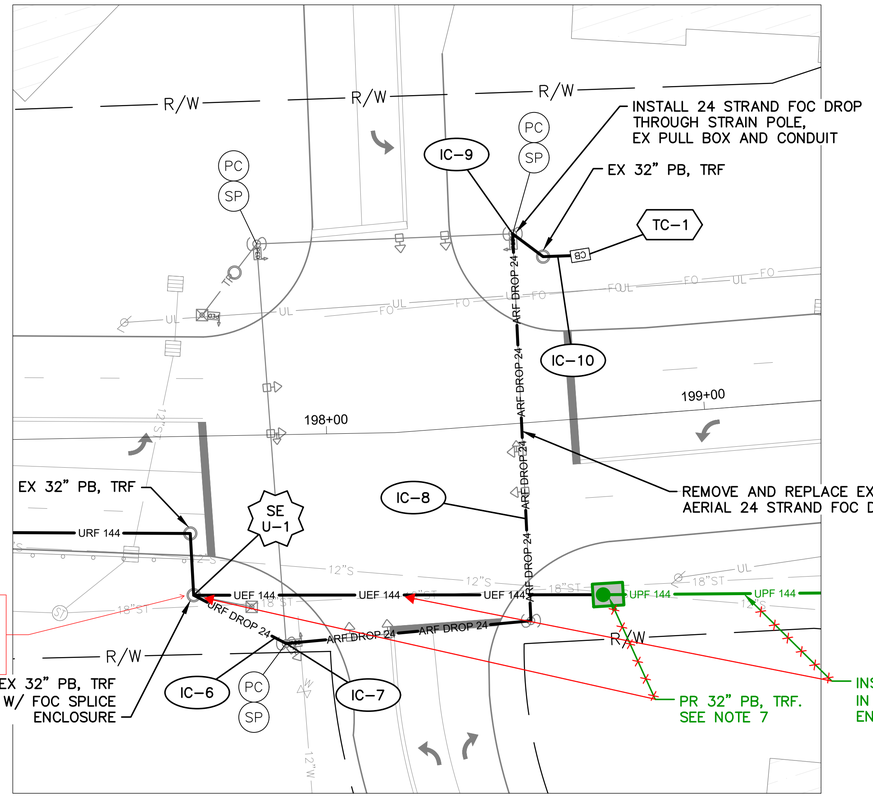
CITY OF COLUMBUS TRAFFIC SIGNAL SYSTEM
(CTSS) PHASE F – FINAL SUBMITTAL

284
768

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TRABUE RD BETWEEN STATION 192+00 AND 203+00



DETAIL - INT 4274

0 20 40
HORIZONTAL SCALE IN FEET

NOTES:

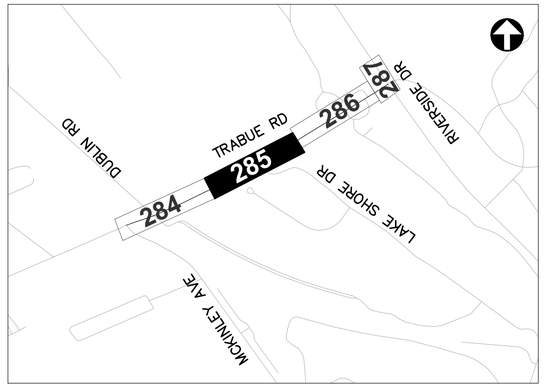
1. SEE SHEET 289 FOR QUANTITIES.
2. SEE SHEETS 474 & 618 FOR COMMUNICATION DETAILS.
3. FIBER OPTIC CABLE TO BE INSTALLED THROUGH PARAPET CONDUIT COMPLETED BY PROJECT 3902–E.
4. EASTERN STREAM CORRIDOR PROTECTION ZONE BOUNDARY IS OUTSIDE OF THE VIEW SHOWN ABOVE.
5. ENSURE 5' CONDUIT DEPTH FOR FUTURE GRADE CHANGE PER PROJECT 3902–E
6. SET TOP ELEVATION OF CONCRETE PULL BOX STRUCTURE TO 767.30' TO ACCOMMODATE FUTURE GRADE CHANGE (CUT) PER PROJECT 3902–E. APPROX 14" OF GRADE RINGS SHALL BE USED TO BRING PULL BOX LID TO EXISTING GRADE.
7. INTERCEPT EXISTING DUCT BANK AT STA 198+75 RT, INSTALL 32" PB, TRF. SET TOP ELEVATION OF CONCRETE PB STRUCTURE TO 767.77' TO ACCOMMODATE A FUTURE GRADE CHANGE (CUT) PER PROJECT 3902–E. APPROX 6" OF GRADE RINGS SHALL BE USED TO BRING PULL BOX LID TO EXISTING GRADE.

(#) EXISTING UTILITY CROSSING. SEE UTILITY CROSSING INFO SHEET 245.

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CITY OF COLUMBUS UTILITY LEGEND

☒	SEWER
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☐	POWER
☒	LIGHTING



REFER TO SHEET 237 FOR INTERCONNECT SHEET INDEX

KEY PLAN
NOT TO SCALE

6 DRAFT REVISION 6.0

3676-E

0 40 80
HORIZONTAL SCALE IN FEET

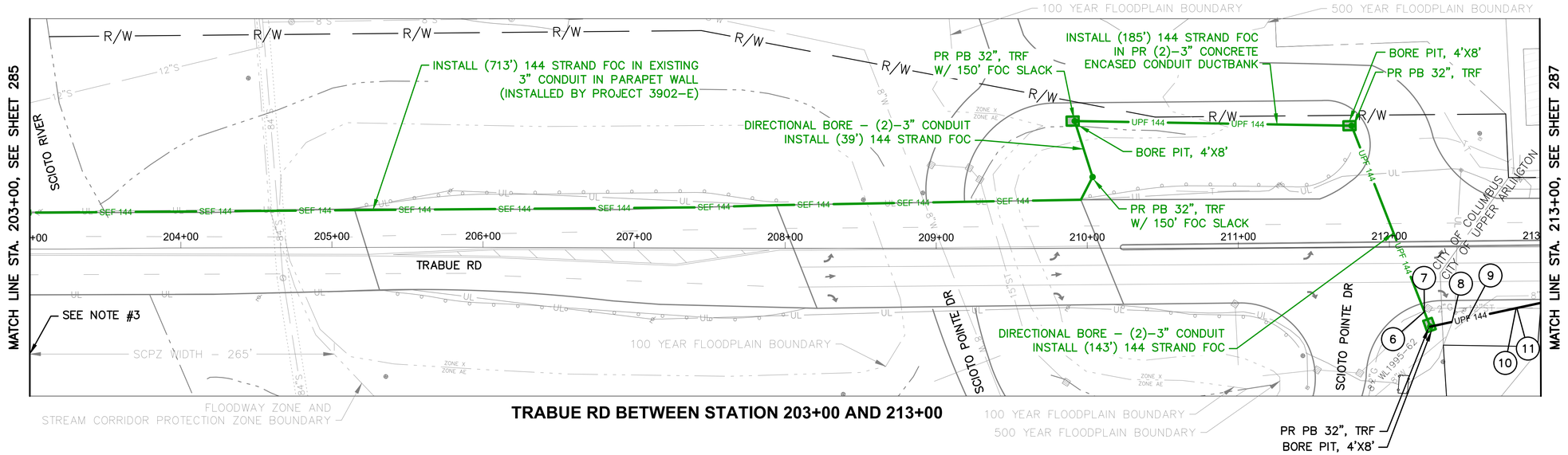
CIP: 540007–100060
PID NUMBER: 110521

INTERCONNECT PLAN
TRABUE RD BETWEEN STA. 192+00 AND 203+00, INT 4274

CITY OF COLUMBUS TRAFFIC SIGNAL SYSTEM (CTSS) PHASE F – FINAL SUBMITTAL

285
768

C:\Users\mgraf\AppData\Local\Temp\AcPublish_35468\CTSS_PhF_Trunk3_TRABUE_INTERCONNECT.dwg ~ TRABUE–2 layout ~ last saved by mgraf 02/06/2024 01:32pm ~ printed 02/06/2024 01:41pm PSLTS: 1 LTS: 1 CAS: 1:1



TRABUE RD BETWEEN STATION 203+00 AND 213+00

NOTES:

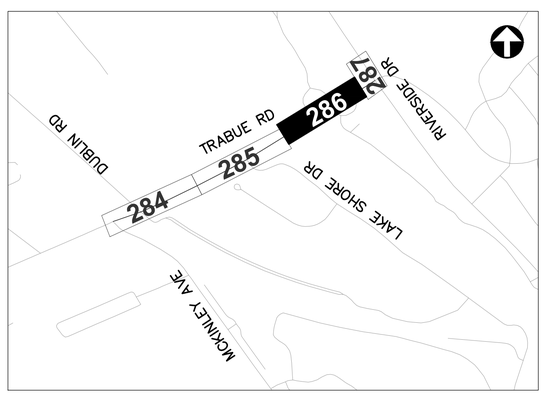
1. SEE SHEET 289 FOR QUANTITIES.
2. SEE SHEET 474 FOR COMMUNICATION DETAILS.
3. SEE SHEET 46 FOR BRIDGE ATTACHMENT DETAILS.
4. WESTERN STREAM CORRIDOR PROTECTION ZONE BOUNDARY IS OUTSIDE OF THE VIEW SHOWN ABOVE.

(#) EXISTING UTILITY CROSSING. SEE UTILITY CROSSING INFO SHEET 245.

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CITY OF COLUMBUS UTILITY LEGEND

☒	SEWER
☒	WATER
☐	POWER
☒	LIGHTING



REFER TO SHEET 237 FOR INTERCONNECT SHEET INDEX

KEY PLAN
NOT TO SCALE

6 DRAFT REVISION 6.0

3676-E

HORIZONTAL SCALE IN FEET
0 40 80

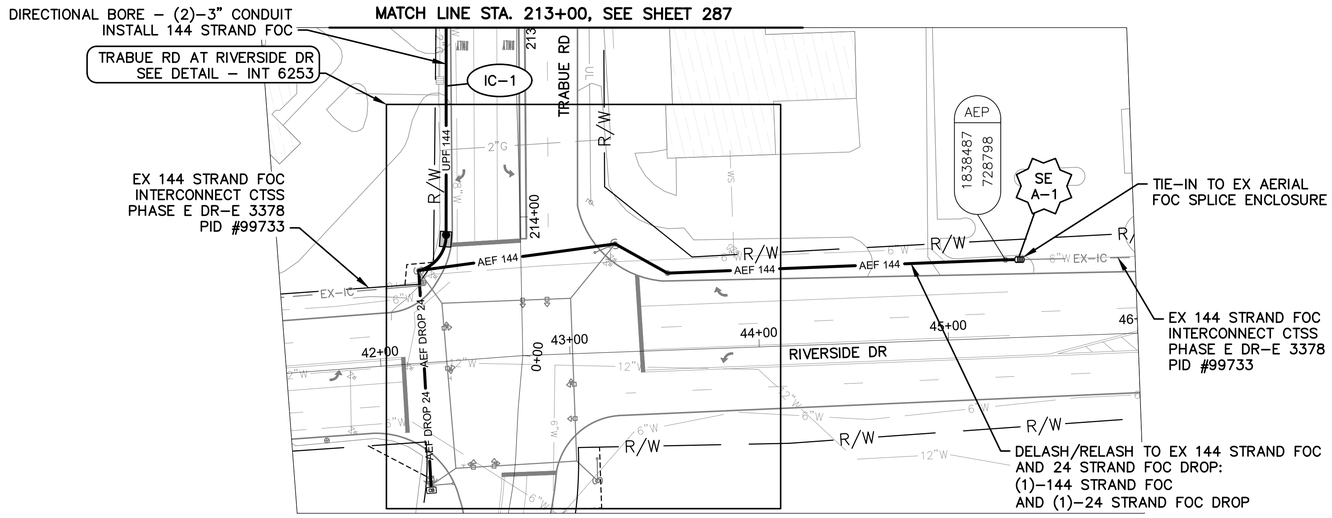
CIP: 540007–100060
PID NUMBER: 110521

INTERCONNECT PLAN
TRABUE RD BETWEEN STA. 203+00 AND 213+00

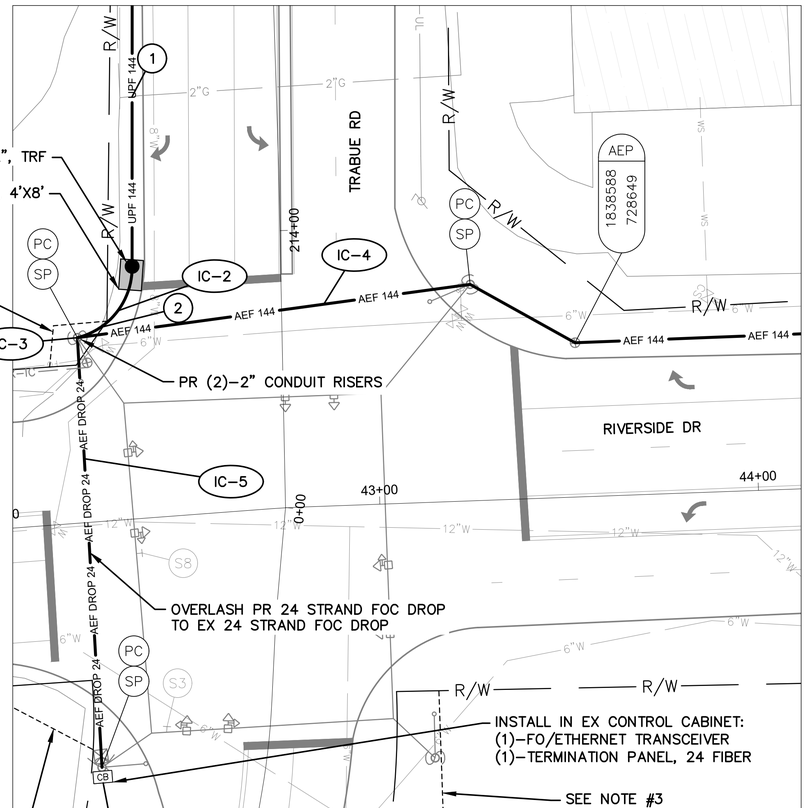
CITY OF COLUMBUS TRAFFIC SIGNAL SYSTEM
(CTSS) PHASE F – FINAL SUBMITTAL

286
768

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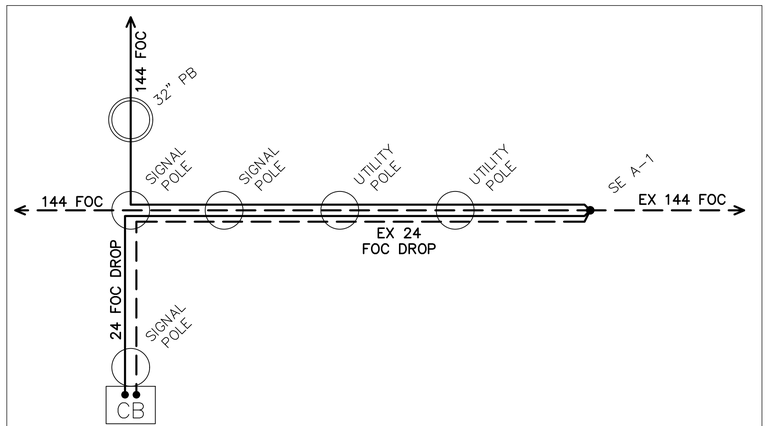


RIVERSIDE DR BETWEEN STATION 41+50 AND 46+00



DETAIL - INT 6253

0 20 40
HORIZONTAL
SCALE IN FEET



CABLE SCHEMATIC - INT 6253
NOT TO SCALE

NOTES:

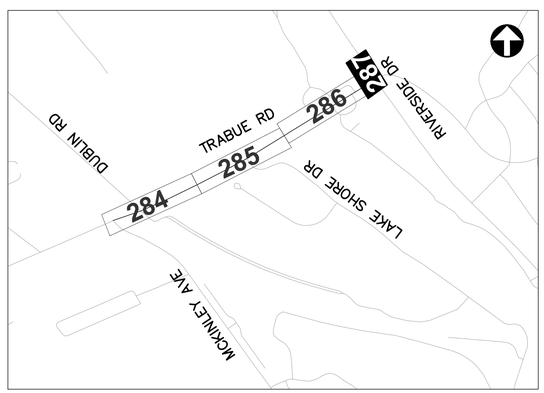
1. SEE SHEET 289 FOR QUANTITIES.
2. SEE SHEETS 474 & 619 FOR COMMUNICATION DETAILS.
3. EXISTING CITY OF UPPER ARLINGTON EASEMENT, INSTRUMENT NUMBER #201808140109020.
4. EXISTING CITY OF UPPER ARLINGTON EASEMENT, INSTRUMENT NUMBER #201810050135796.
5. EXISTING CITY OF UPPER ARLINGTON EASEMENT, INSTRUMENT NUMBER #201808140109019.

(#) EXISTING UTILITY CROSSING. SEE UTILITY CROSSING INFO SHEET 245.

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CITY OF COLUMBUS UTILITY LEGEND

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☒	LIGHTING



REFER TO SHEET 237 FOR INTERCONNECT SHEET INDEX

KEY PLAN
NOT TO SCALE

0 40 80
HORIZONTAL
SCALE IN FEET

CIP: 540007–100060
PID NUMBER: 110521

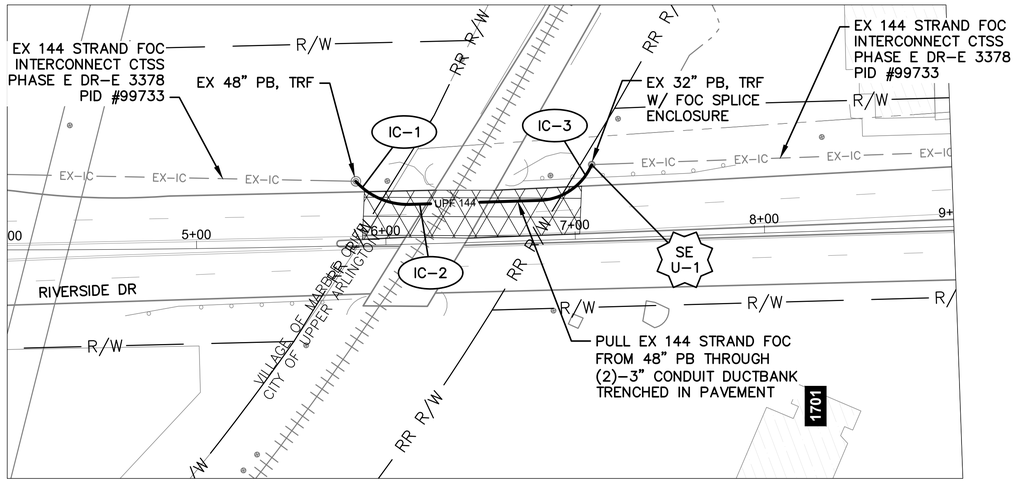
INTERCONNECT PLAN
RIVERSIDE DR BETWEEN STA. 41+50 AND 46+00, INT 6253

CITY OF COLUMBUS TRAFFIC SIGNAL SYSTEM
(CTSS) PHASE F – FINAL SUBMITTAL

287
768

3676-E

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RIVERSIDE DR BETWEEN STATION 4+00 AND 9+00

NOTES:

1. SEE SHEET 289 FOR QUANTITIES.
2. SEE SHEETS 474 & 620 FOR COMMUNICATION DETAILS.
3. RAILROAD CROSSING AT STA. 6+34, 21' LT. SEE SHEET 25 FOR RAILROAD COORDINATION DETAILS.

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CITY OF COLUMBUS UTILITY LEGEND

- ☐ SEWER
- ☐ WATER
- ☐ POWER
- ☐ LIGHTING



REFER TO SHEET 237 FOR INTERCONNECT SHEET INDEX

KEY PLAN
NOT TO SCALE

3676-E

HORIZONTAL SCALE IN FEET
0 40 80

CIP: 540007-100060
PID NUMBER: 110521

INTERCONNECT PLAN
RIVERSIDE DR BETWEEN STA. 4+00 AND 9+00

CITY OF COLUMBUS TRAFFIC SIGNAL SYSTEM
(CTSS) PHASE F - FINAL SUBMITTAL

288
768

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ESTIMATED QUANTITIES

SHEET NO.	REFERENCE NO.	LOCATION	STATION		202	625	625	625	625	625	625	625	632	632	632	632	632	632	632	632	632	632	633	633
					EXISTING CONDUIT CLEANED, AS PER PLAN	BRACKET ARM, 30', AS PER PLAN	CONDUIT, CONCRETE ENCASED, 2-3", 725.051, AS PER PLAN	CONDUIT, JACKED OR DRILLED, 3", AS PER PLAN	CONDUIT, MISC.: 4" CONDUIT, FIBER-GLASS REINFORCED, ATTACHED TO STRUCTURE	PULL BOX, CONCRETE 32", AS PER PLAN	TRENCH IN PAVED AREA, AS PER PLAN	TRENCH, 36" DEEP, AS PER PLAN	CONDUIT RISER, 2", 725.04, AS PER PLAN	INTERCONNECT CABLE, MISC.: FIBER OPTIC CABLE, 144 STRAND	INTERCONNECT CABLE, MISC.: FIBER OPTIC DROP CABLE, 24 STRAND	INTERCONNECT CABLE, MISC.: FIBER OPTIC FUSION SPLICE	INTERCONNECT CABLE, MISC.: OVERLASH TO EXISTING INTERCONNECT	INTERCONNECT CABLE, MISC.: REMOVE EXISTING OVERHEAD INTERCONNECT	INTERCONNECT CABLE, MISC.: TERMINATION PANEL, 24 FIBER	INTERCONNECT, MISC.: CAT 5E CABLE, OUTDOOR RATED	INTERCONNECT, MISC.: SPLICE ENCLOSURE, DOME, 288 SPLICE	MESSENGER WIRE, 7 STRAND, 1/4" DIAMETER WITH ACCESSORIES, AS PER PLAN	SIGNALIZATION, MISC.: CCTV IP-CAMERA SYSTEM	CONTROLLER ITEM, MISC.: FIBER OPTIC ETHERNET TRANSCEIVER, SHORT RANGE	CONTROLLER ITEM, MISC.: POE ENABLED LAYER 2 ETHERNET SWITCH
			FROM	TO	FT	EACH	FT	FT	FT	EACH	FT	FT	EACH	FT	FT	EACH	FT	FT	EACH	FT	EACH	FT	EACH	EACH	EACH
TRABUE RD. BETWEEN STA. 181+00 AND 192+00, INT 4143																									
284	SE A-1	TRABUE RD	181+21, 43' RT											75		144									
284	IC-1	TRABUE RD	181+21, 43' RT	182+77, 64' RT										159			159								
284	CTV-1	TRABUE RD	182+23, 19' LT																				1		
284	EC-1	TRABUE RD	182+23, 19' LT	182+46, 39' LT																30					
284	EC-2	TRABUE RD	182+46, 39' LT	182+77, 64' RT		1														110		110			
284	EC-3	TRABUE RD	182+77, 64' RT			1														35					
284	IC-2	TRABUE RD	182+77, 64' RT											35											
284	EC-4	TRABUE RD	182+77, 64' RT	182+99, 60' RT	22															22					
284	IC-3	TRABUE RD	182+77, 64' RT	192+00, 29' RT	930									930											
284	TC-1	TRABUE RD	182+99, 60' RT																	20				1	1
TRABUE RD. BETWEEN STA. 192+00 AND 203+00, INT 4274																									
285	IC-1	TRABUE RD	192+00, 29' RT	197+64, 42' RT	524									524											
285	SE U-1	TRABUE RD	197+64, 42' RT											150	75	24						1			
285	IC-2	TRABUE RD	197+64, 42' RT	200+03, 56' RT	242									242											
285	IC-6	TRABUE RD	197+64, 42' RT	197+88, 55' RT	28										28										
285	IC-7	TRABUE RD	197+88, 55' RT												35										
285	IC-8	TRABUE RD	197+88, 55' RT	198+53, 50' LT											176				176			176			
285	IC-9	TRABUE RD	198+53, 50' LT												35										
285	IC-10	TRABUE RD	198+53, 50' LT	198+71, 43' LT	20										20										
285	TC-1	TRABUE RD	198+71, 43' LT												20				1						
285	IC-3	TRABUE RD	200+03, 56' RT	200+12, 38' LT				188		1				94											
285	IC-4	TRABUE RD	200+12, 38' LT	200+51, 24' LT			42					42		42											
285	IC-5	TRABUE RD	200+51, 24' LT	203+00, 24' LT					498					249											
TRABUE RD. BETWEEN STA. 203+00 AND 213+00																									
286	IC-1	TRABUE RD	203+00, 24' LT	205+14, 26' LT					430					215											
286	IC-2	TRABUE RD	205+14, 26' LT	207+94, 29' LT			301			2		301		301											
286	IC-3	TRABUE RD	207+94, 29' LT	209+95, 32' LT					404					202											
286	IC-4	TRABUE RD	209+95, 32' LT	210+91, 50' LT			104			1		104		104											
286	IC-5	TRABUE RD	210+91, 50' LT	212+37, 59' RT				364		2				182											
286	IC-6	TRABUE RD	212+37, 59' RT	212+97, 37' RT			63					63		63											
286	IC-7	TRABUE RD	212+97, 37' RT	213+00, 37' RT				6		1				3											
RIVERSIDE DR. BETWEEN STA. 41+50 AND 46+00, INT 6253																									
287	TC-1	RIVERSIDE DR	42+22, 65' RT												20				1					1	
287	IC-5	RIVERSIDE DR	42+22, 65' RT	42+24, 49' LT											114		114								
287	IC-3	RIVERSIDE DR	42+24, 49' LT										2	35											
287	IC-2	RIVERSIDE DR	42+24, 49' LT	42+38, 64' LT			23					23		23											
287	IC-4	RIVERSIDE DR	42+24, 49' LT	45+39, 41' LT										322	322		322								
287	IC-1	RIVERSIDE DR	42+38, 64' LT	42+48, 176' LT				224		1				112											
287	SE A-1	RIVERSIDE DR	45+39, 41' LT											75	125	168									
RIVERSIDE DR. BETWEEN STA. 4+00 AND 9+00																									
288	IC-1	RIVERSIDE DR	5+85, 34' LT	5+91, 28' LT			8					8													
288	IC-2	RIVERSIDE DR	5+91, 28' LT	7+01, 28' LT			113				113														
288	IC-3	RIVERSIDE DR	7+01, 28' LT	7+10, 39' LT			14					14													
288	SE U-1	RIVERSIDE DR	7+10, 39' LT													144						1			
SHEET TOTAL					1,766	2	668	782	1,332	8	113	555	2	4,137	970	480	595	176	2	217	2	286	1	2	1

AERIAL SAG: 1.5% AERIAL SAG IS INCLUDED IN THE QUANTITIES FOR ANY AERIAL FIBER OR CABLE ITEMS.

3676-E

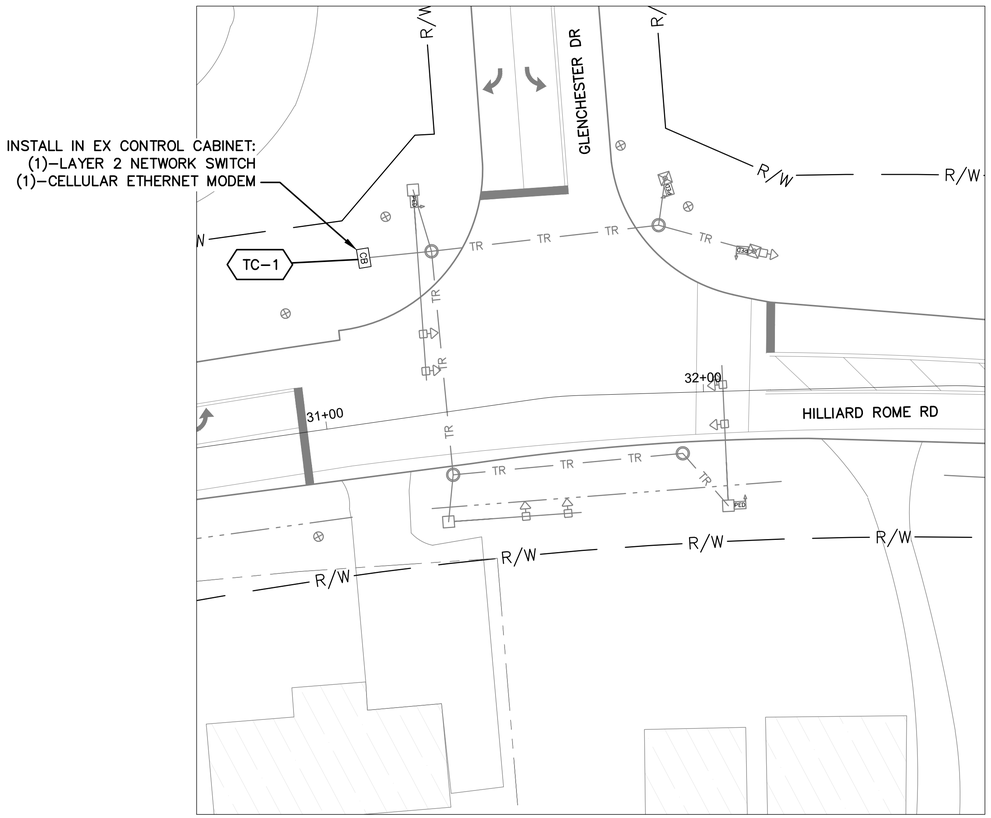
CIP: 540007-100060
PID NUMBER: 110521

TRABUE RD BETWEEN STA. 181+00 & 213+00, RIVERSIDE DR BETWEEN STA. 41+50 AND 46+00, INTS 4143, 4274 AND 6253

CITY OF COLUMBUS TRAFFIC SIGNAL SYSTEM (CTSS) PHASE F – FINAL SUBMITTAL

289
768

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DETAIL - INT 4265

0 20 40

HORIZONTAL
SCALE IN FEET

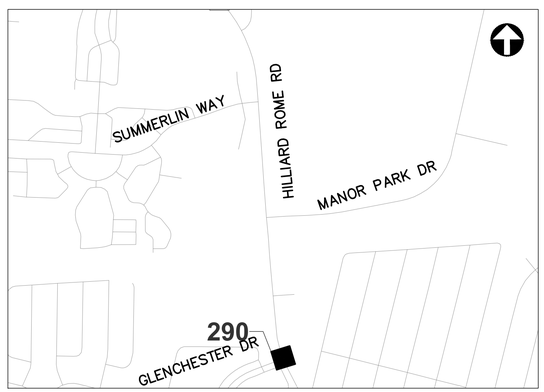
NOTES:

1. SEE SHEET 293 FOR QUANTITIES.
2. SEE SHEETS 474 & 616 FOR COMMUNICATION DETAILS.

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CITY OF COLUMBUS
UTILITY LEGEND

- ☐ SEWER
- ☐ WATER
- ☐ POWER
- ☐ LIGHTING



REFER TO SHEET 11 FOR
INTERCONNECT SHEET INDEX

KEY PLAN
NOT TO SCALE

3676-E

0 40 80
HORIZONTAL
SCALE IN FEET

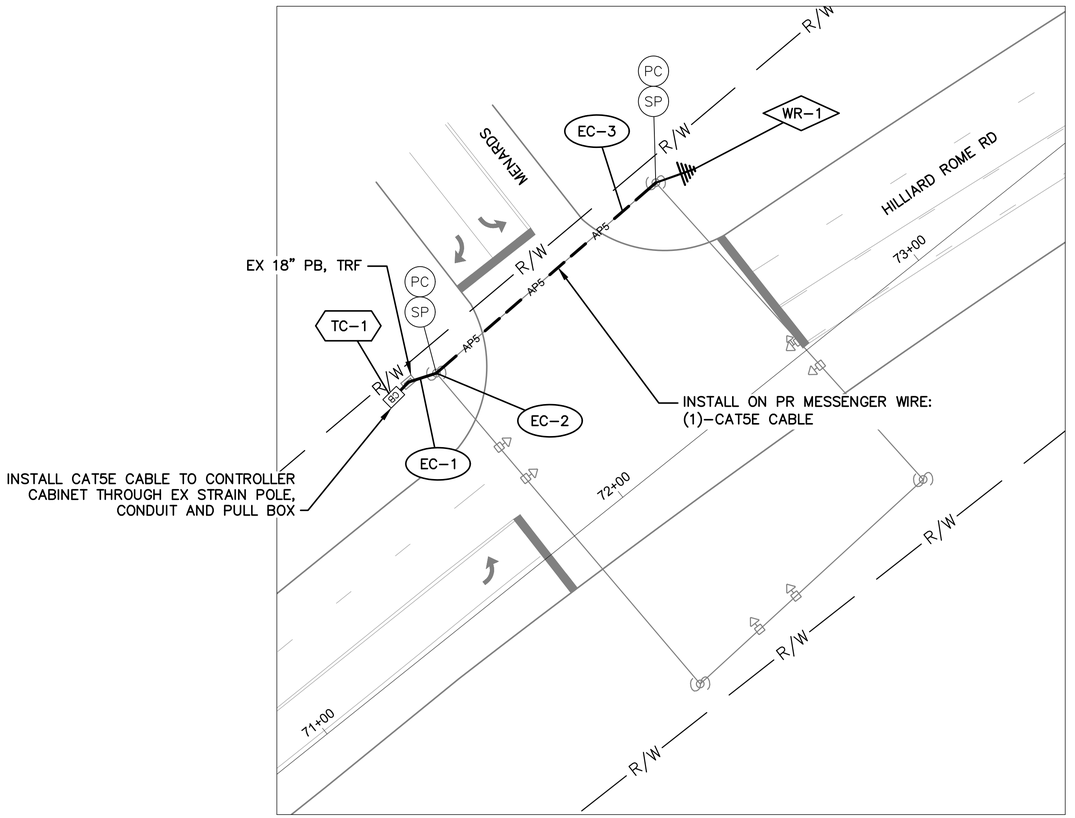
CIP: 540007–100060
PID NUMBER: 110521

INTERCONNECT PLAN
INT 4265 – GLENCHESTER DR AT HILLIARD–ROME RD

CITY OF COLUMBUS TRAFFIC SIGNAL SYSTEM
(CTSS) PHASE F – FINAL SUBMITTAL

290
768

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DETAIL - INT 4275

0 20 40

HORIZONTAL
SCALE IN FEET

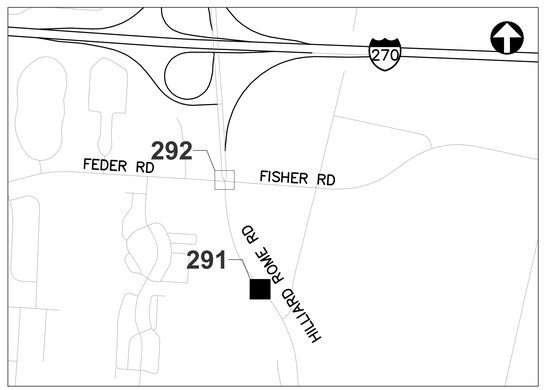
NOTES:

1. SEE SHEET 293 FOR QUANTITIES.
2. SEE SHEETS 474 & 615 FOR COMMUNICATION DETAILS.

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CITY OF COLUMBUS
UTILITY LEGEND

- ☐ SEWER
- ☐ WATER
- ☐ POWER
- ☐ LIGHTING



REFER TO SHEET 237 FOR
INTERCONNECT SHEET INDEX

KEY PLAN
NOT TO SCALE

3676-E

0 40 80
HORIZONTAL
SCALE IN FEET

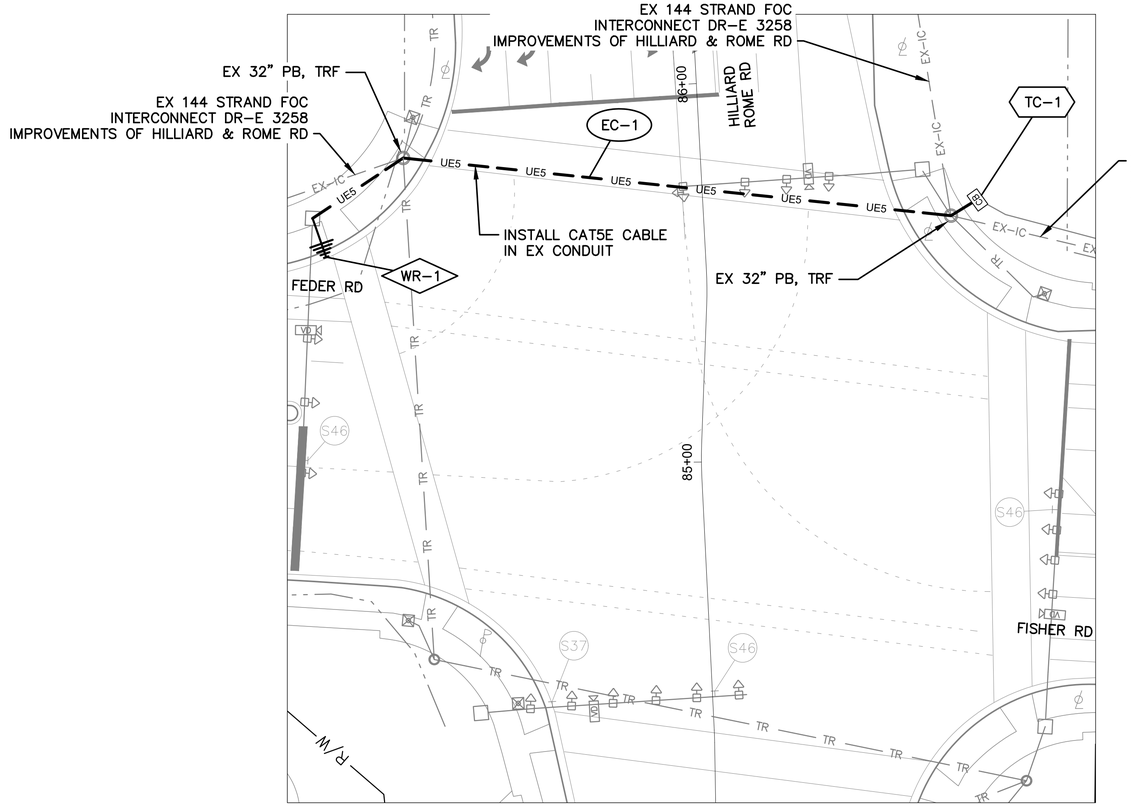
CIP: 540007-100060
PID NUMBER: 110521

INTERCONNECT PLAN
INT 4275 – HILLIARD ROME ROAD AT MENARDS

CITY OF COLUMBUS TRAFFIC SIGNAL SYSTEM
(CTSS) PHASE F – FINAL SUBMITTAL

291
768

J:\Jobs\70202 - CTSS Phase F\TECHPROD\Sheets\CTSS_PhF_Trunk3_HILLIARD_ROME_INTERCONNECT.dwg - HILLIARD ROME-5 layout ~ last saved by: gburch 05/31/2022 10:38am ~ printed 06/02/2022 11:02am PSLTS: 1 LTS: 1 CAS: 1:1



DETAIL - INT 4234

0 20 40

HORIZONTAL
SCALE IN FEET

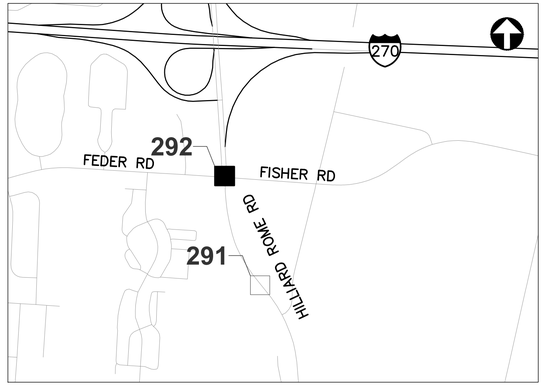
NOTES:

1. SEE SHEET 293 FOR QUANTITIES.
2. SEE SHEETS 474 & 614 FOR COMMUNICATION DETAILS.

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CITY OF COLUMBUS
UTILITY LEGEND

- ☐ SEWER
- ☐ WATER
- ☐ POWER
- ☐ LIGHTING



REFER TO SHEET 237 FOR
INTERCONNECT SHEET INDEX

KEY PLAN
NOT TO SCALE

3676-E

0 40 80
HORIZONTAL
SCALE IN FEET

CIP: 540007-100060
PID NUMBER: 110521

INTERCONNECT PLAN
FISHER RD AT HILLIARD ROME RD
INT 4234 – FISHER RD AT HILLIARD ROME RD

CITY OF COLUMBUS TRAFFIC SIGNAL SYSTEM
(CTSS) PHASE F – FINAL SUBMITTAL

292
768

J:\Jobs\70202 – CTSS Phase F\TECHPROD\Sheets\CTSS_PhF_Trunk3_HILLIARD_ROME_INTERCONNECT.dwg – HILLIARD ROME-6 layout ~ last saved by: gburch 05/31/2022 10:38am ~ printed 06/02/2022 11:03am PSLTS: 1 LTS: 1 CAS: 1:1

ESTIMATED QUANTITIES

SHEET NO.	REFERENCE NO.	LOCATION	STATION		202	632	632	632	632	633														
					EXISTING CONDUIT CLEANED, AS PER PLAN	INTERCONNECT, MISC.: CAT 5E CABLE, OUTDOOR RATED	MESSENGER WIRE, 7 STRAND, 1/4" DIAMETER WITH ACCESSORIES, AS PER PLAN	SIGNALIZATION, MISC.: CELLULAR ETHERNET COMMUNICATIONS UNIT	SPREAD SPECTRUM RADIO, AS PER PLAN	CONTROLLER ITEM, MISC.: LAYER 2 ETHERNET SWITCH														
			FROM	TO	FT	FT	FT	EACH	EACH	EACH														
HILLIARD-ROME RD., INT 4265																								
290	TC-1	HILLIARD-ROME RD	31+16, 43' LT					1		1														
HILLIARD-ROME RD., INT 4275																								
291	TC-1	HILLIARD-ROME RD	71+69, 58' LT			20																		
291	EC-1	HILLIARD-ROME RD	71+69, 58' LT	71+82, 56' LT	11	11																		
291	EC-2	HILLIARD-ROME RD	71+82, 56' LT			35																		
291	EC-3	HILLIARD-ROME RD	71+82, 56' LT	72+59, 59' LT		77	77																	
291	WR-1	HILLIARD-ROME RD	72+59, 59' LT						1															
HILLIARD-ROME RD., INT 4234																								
292	TC-1	HILLIARD-ROME RD	85+46, 73' RT			20																		
292	EC-1	HILLIARD-ROME RD	85+46, 73' RT	85+70, 103' LT	182	182																		
292	WR-1	HILLIARD-ROME RD	85+70, 103' LT			35			1															
SHEET TOTAL					193	380	77	1	2	1	-	-	-	-	-	-	-	-	-	-	-	-	-	-

AERIAL SAG: 1.5% AERIAL SAG IS INCLUDED IN THE QUANTITIES FOR ANY AERIAL FIBER OR CABLE ITEMS.

3676-E

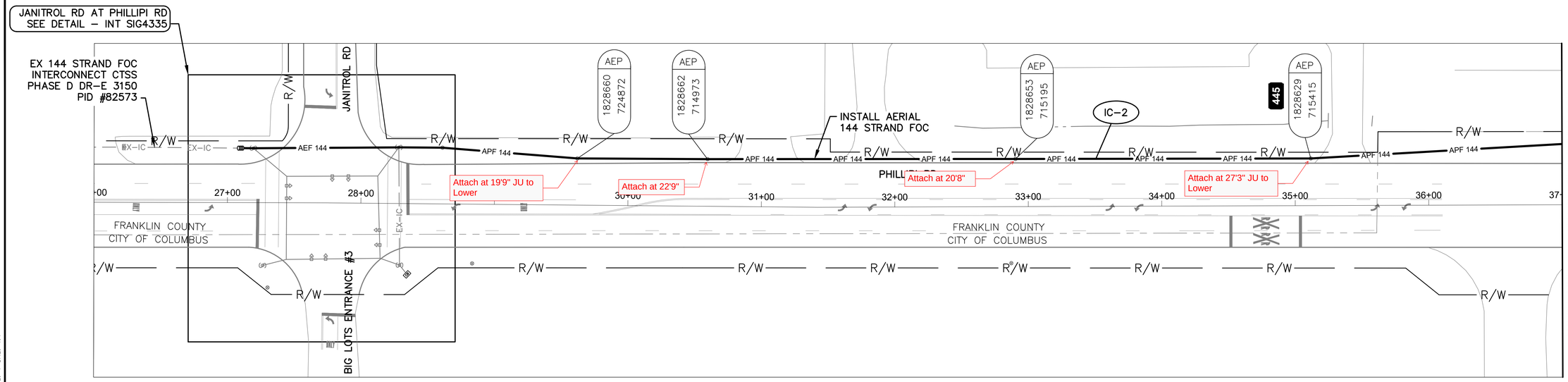
CIP: 540007–100060
PID NUMBER: 110521

HILLIARD ROME RD
INTS 4265, 4275 AND 4234

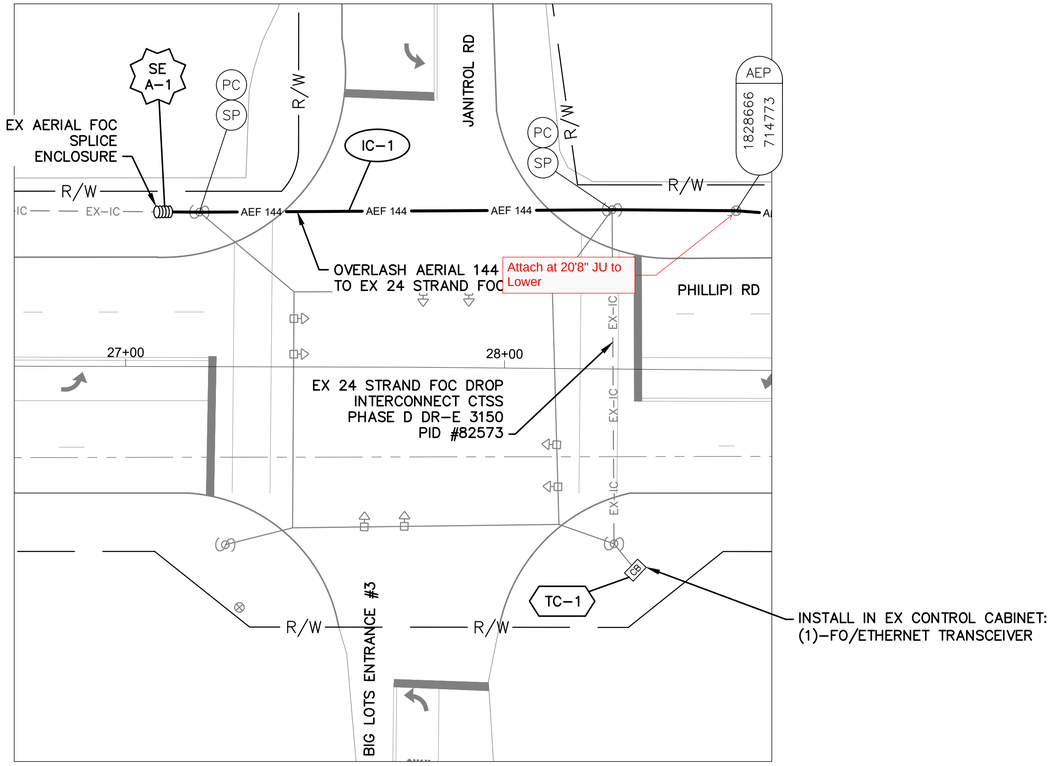
CITY OF COLUMBUS TRAFFIC SIGNAL SYSTEM
(CTSS) PHASE F – FINAL SUBMITTAL

293
768

J:\Jobs\70202 – CTSS Phase F\TECHPROD\Sheets\CTSS_PhF_Trunk3_HILLIARD_ROME_IC_QUANTITIES.dwg – HILLIARD ROME Q1 layout ~ last saved by: gburch 05/31/2022 10:38am ~ printed 06/02/2022 01:44pm PSLTS: 1 LTS: 1 CAS: 1:1



PHILLIPI RD BETWEEN STATION 26+00 AND 37+00



DETAIL - INT SIG4335

0 20 40
HORIZONTAL
SCALE IN FEET

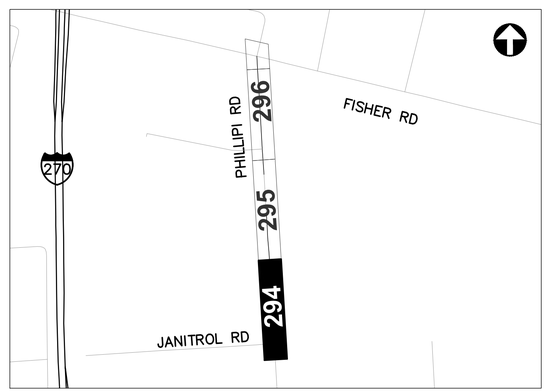
NOTES:

1. SEE SHEET 297 FOR QUANTITIES.
2. SEE SHEETS 474 & 625 FOR COMMUNICATION DETAILS.

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CITY OF COLUMBUS UTILITY LEGEND

- ☐ SEWER
- ☐ WATER
- ☐ POWER
- ☐ LIGHTING



REFER TO SHEET 237 FOR INTERCONNECT SHEET INDEX

KEY PLAN
NOT TO SCALE

3676-E

0 40 80
HORIZONTAL
SCALE IN FEET

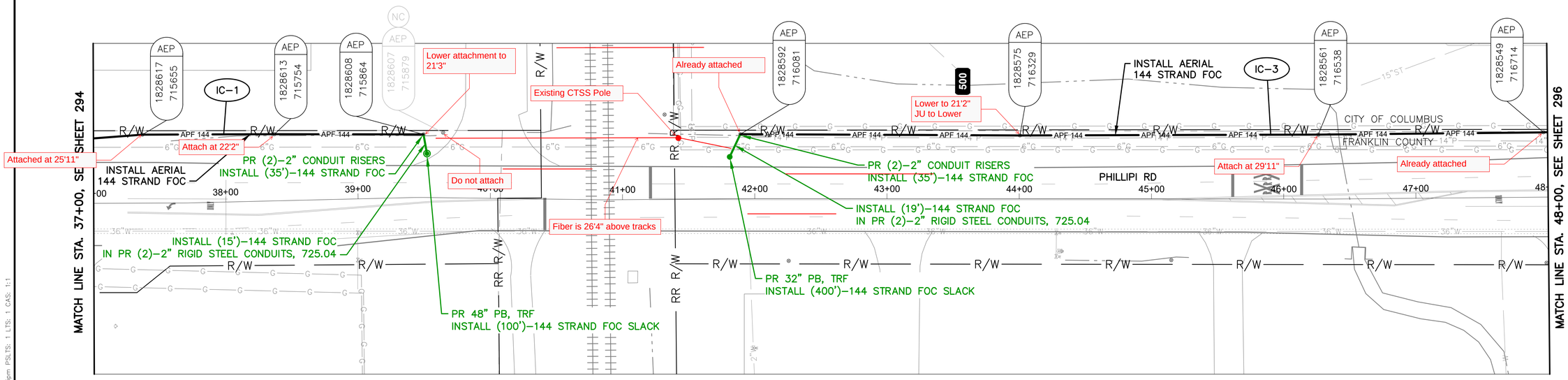
CIP: 540007–100060
PID NUMBER: 110521

INTERCONNECT PLAN
PHILLIPI RD BETWEEN STA. 26+00 AND 37+00, INT SIG4335

CITY OF COLUMBUS TRAFFIC SIGNAL SYSTEM
(CTSS) PHASE F – FINAL SUBMITTAL

294
768

J:\Jobs\70202 – CTSS Phase F\TECHPROD\Sheets\CTSS_PhF_Trunk3_PHILLIPI_INTERCONNECT.dwg – PHILLIPI-1 layout ~ last saved by: gburch 05/31/2022 10:39am ~ printed 06/02/2022 11:05am PSLTS: 1 LTS: 1 CAS: 1:1



PHILLIPI RD BETWEEN STATION 37+00 AND 48+00

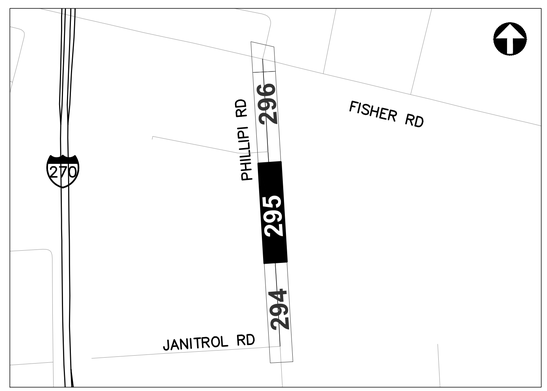
NOTES:

1. SEE SHEET 297 FOR QUANTITIES.
2. SEE SHEET 474 FOR COMMUNICATION DETAILS.

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CITY OF COLUMBUS UTILITY LEGEND

- ☒ SEWER
- ☒ WATER
- ☐ POWER
- ☐ LIGHTING



REFER TO SHEET 237 FOR INTERCONNECT SHEET INDEX

KEY PLAN
NOT TO SCALE

4 DRAFT REVISION 4.0

3676-E

HORIZONTAL SCALE IN FEET
0 40 80

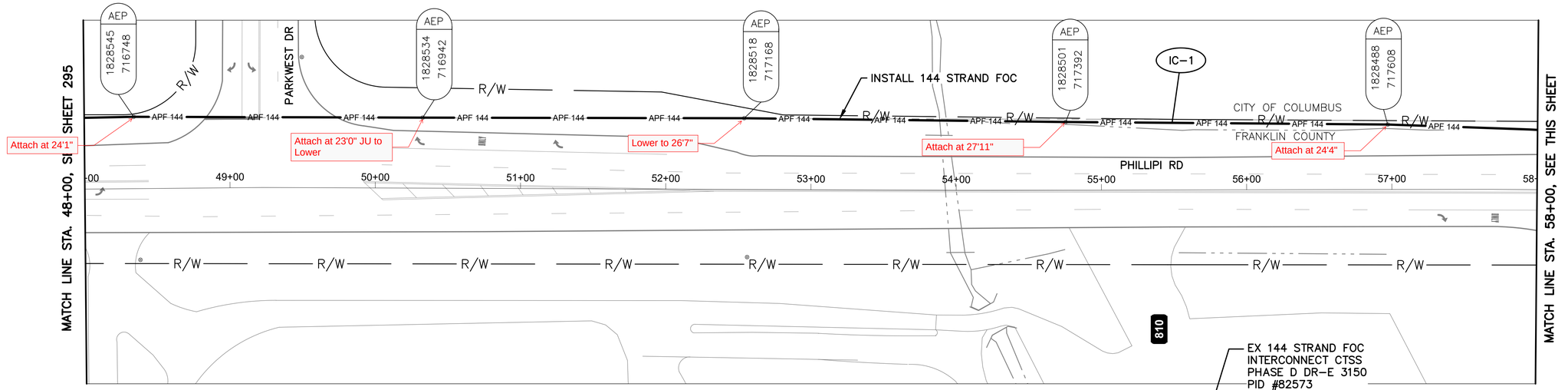
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PID NUMBER: 110521

INTERCONNECT PLAN
PHILLIPI RD BETWEEN STA. 37+00 AND 48+00

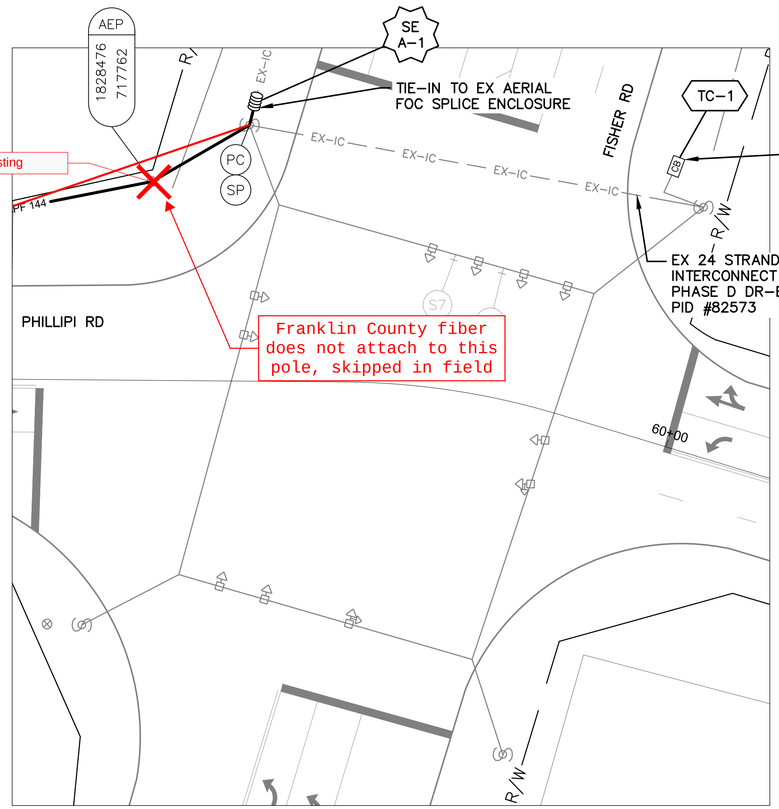
CITY OF COLUMBUS TRAFFIC SIGNAL SYSTEM
(CTSS) PHASE F – FINAL SUBMITTAL

295
768

\\colw00\PWWork\Jobs\70202 – CTSS Phase F\TECHPROD\Sheets\CTSS_PhF_Trunk3_PHILLIPI_INTERCONNECT.dwg – PHILLIPI-2 layout ~ last saved by: nseling 08/11/2023 02:49pm ~ printing 08/11/2023 03:05pm PSLTS: 1 LTS: 1 CAS: 1:1



PHILLIPI RD BETWEEN STATION 48+00 AND 58+00



DETAIL - INT 4223

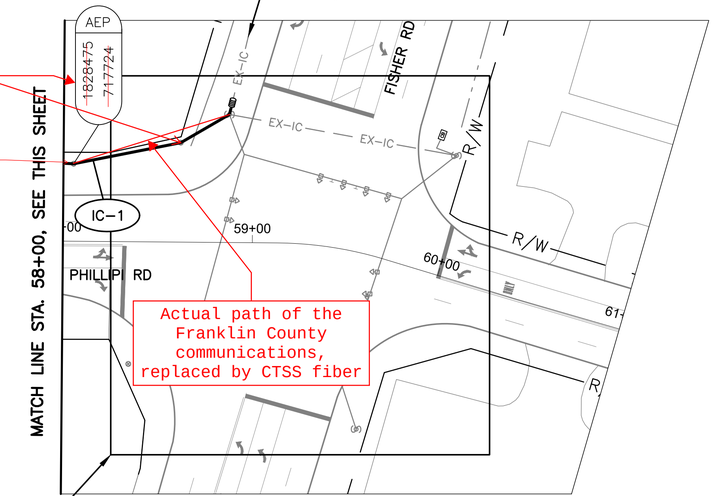
0 20 40
HORIZONTAL SCALE IN FEET

Existing fib… attach to th…

Coordinates in field:
X - 1828472
Y - 717760

Already Attached

EX 144 STRAND FOC INTERCONNECT CTSS PHASE D DR-E 3150 PID #82573



FISHER RD AT PHILLIPI RD
SEE DETAIL – INT 4223

PHILLIPI RD BETWEEN STATION 58+00 AND 61+00

NOTES:

1. SEE SHEET 297 FOR QUANTITIES.
2. SEE SHEETS 474 & 624 FOR COMMUNICATION DETAILS.



REFER TO SHEET 237 FOR INTERCONNECT SHEET INDEX

KEY PLAN
NOT TO SCALE

CITY OF COLUMBUS UTILITY LEGEND

- ☐ SEWER
- ☐ WATER
- ☐ POWER
- ☐ LIGHTING

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0 40 80
HORIZONTAL SCALE IN FEET

CIP: 540007-100060
PID NUMBER: 110521

INTERCONNECT PLAN
PHILLIPI RD BETWEEN STA. 48+00 AND 61+00, INT 4223

CITY OF COLUMBUS TRAFFIC SIGNAL SYSTEM
(CTSS) PHASE F – FINAL SUBMITTAL

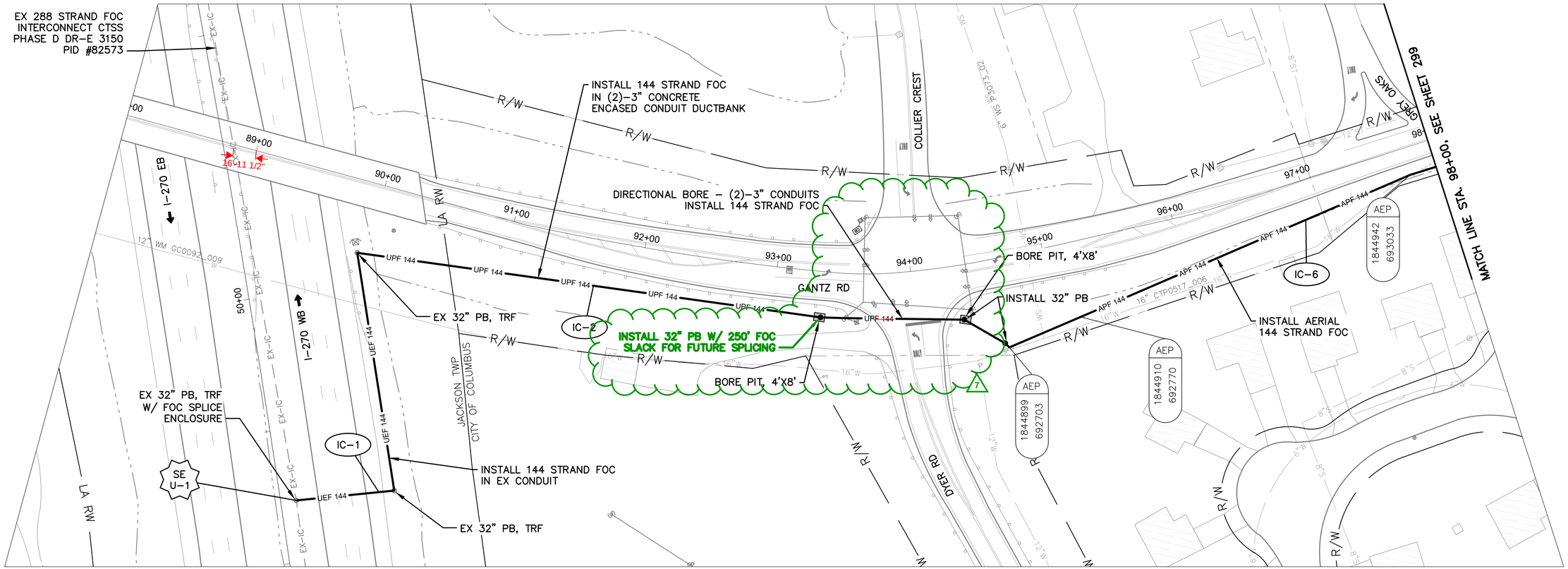
3676-E

296
768

J:\Jobs\70202 – CTSS Phase F\TECHPROD\Sheets\CTSS_PhF_Trunk3_PHILLIPI_INTERCONNECT.dwg – PHILLIPI-3 layout ~ last saved by: gburch 05/31/2022 10:39am ~ printed 06/02/2022 11:07am PSLTS: 1 LTS: 1 CAS: 1:1

ESTIMATED QUANTITIES

SHEET NO.	REFERENCE NO.	LOCATION	STATION		625 CONDUIT, CONCRETE ENCASED, 2-3", 725.051, AS PER PLAN	625 PULL BOX, CONCRETE 32", AS PER PLAN	625 PULL BOX, CONCRETE 48", AS PER PLAN	625 TRENCH, 36" DEEP, AS PER PLAN	632 CONDUIT RISER, 2", 725.04, AS PER PLAN	632 INTERCONNECT CABLE, MISC.: FIBER OPTIC CABLE, 144 STRAND	632 INTERCONNECT CABLE, MISC.: FIBER OPTIC FUSION SPLICE	632 INTERCONNECT CABLE, MISC.: OVERLASH TO EXISTING INTERCONNECT	632 MESSENGER WIRE, 7 STRAND, 1/4" DIAMETER WITH ACCESSORIES, AS PER PLAN	633 CONTROLLER ITEM, MISC.: FIBER OPTIC ETHERNET TRANSCEIVER, SHORT RANGE										
			FROM	TO	FT	EACH	EACH	FT	EACH	FT	EACH	FT	FT	EACH										
PHILLIPI RD. BETWEEN STA. 26+00 AND 37+00, INT SIG4335																								
294	SE A-1	PHILLIPI RD	27+09, 41' LT							75	144													
294	IC-1	PHILLIPI RD	27+09, 41' LT	28+28, 42' LT						119		119												
294	IC-2	PHILLIPI RD	28+28, 42' LT	37+00, 45' LT						885			885											
294	TC-1	PHILLIPI RD	28+35, 53' RT											1										
PHILLIPI RD. BETWEEN STA. 37+00 AND 48+00																								
295	IC-1	PHILLIPI RD	37+00, 45' LT	39+57, 39' LT						262			262											
295	IC-3	PHILLIPI RD	39+51, 33' LT	39+57, 39' LT	8		1	8		108														
295	IC-2	PHILLIPI RD	39+57, 39' LT						2	35														
295	IC-4	PHILLIPI RD	41+81, 32' LT	41+90, 33' LT	10	1		10		410														
295	IC-5	PHILLIPI RD	41+90, 33' LT						2	35														
295	IC-6	PHILLIPI RD	41+90, 33' LT	48+00, 49' LT						619			619											
PHILLIPI RD. BETWEEN STA. 48+00 AND 61+00, INT 4223																								
296	IC-1	PHILLIPI RD	48+00, 49' LT	58+88, 74' LT						1,115			1,115											
296	SE A-1	PHILLIPI RD	58+88, 74' LT							75	144													
296	TC-1	PHILLIPI RD	59+81, 72' LT											1										



GANTZ RD BETWEEN STATION 88+00 AND 98+00

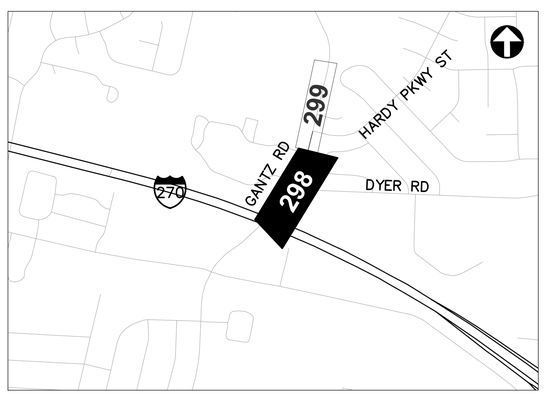
NOTES:

1. SEE SHEET 300 FOR QUANTITIES.
2. SEE SHEETS 481 & 659 FOR COMMUNICATION DETAILS.

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CITY OF COLUMBUS
UTILITY LEGEND

- ☐ SEWER
- ☒ WATER
- ☐ POWER
- ☐ LIGHTING



REFER TO SHEET 239 FOR
INTERCONNECT SHEET INDEX

KEY PLAN
NOT TO SCALE

7 DRAFT REVISION 7.0

3676-E

HORIZONTAL SCALE IN FEET
0 40 80

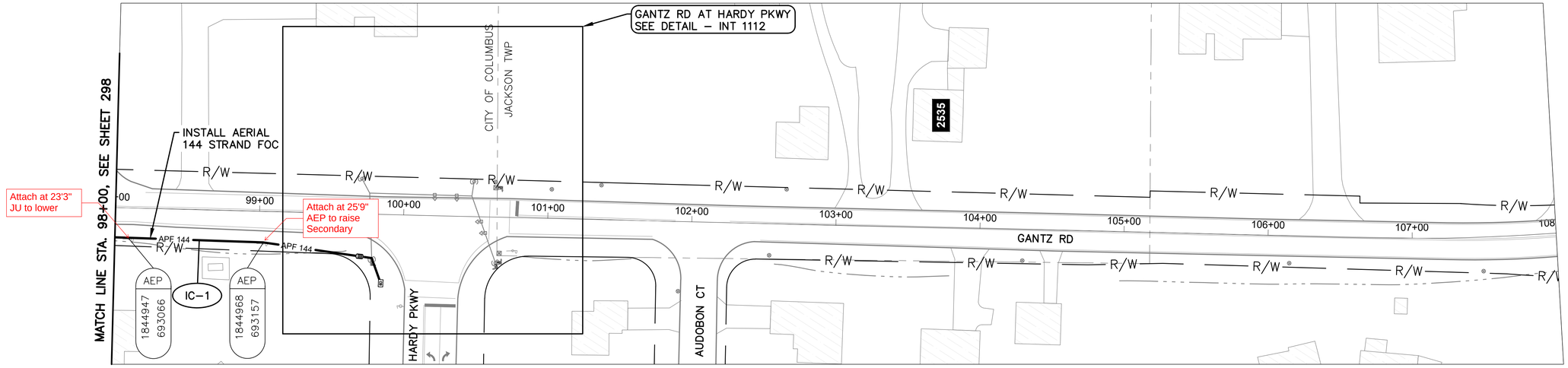
CIP: 540007-100060
PID NUMBER: 110521

INTERCONNECT PLAN
GANTZ RD BETWEEN STA. 88+00 AND 98+00

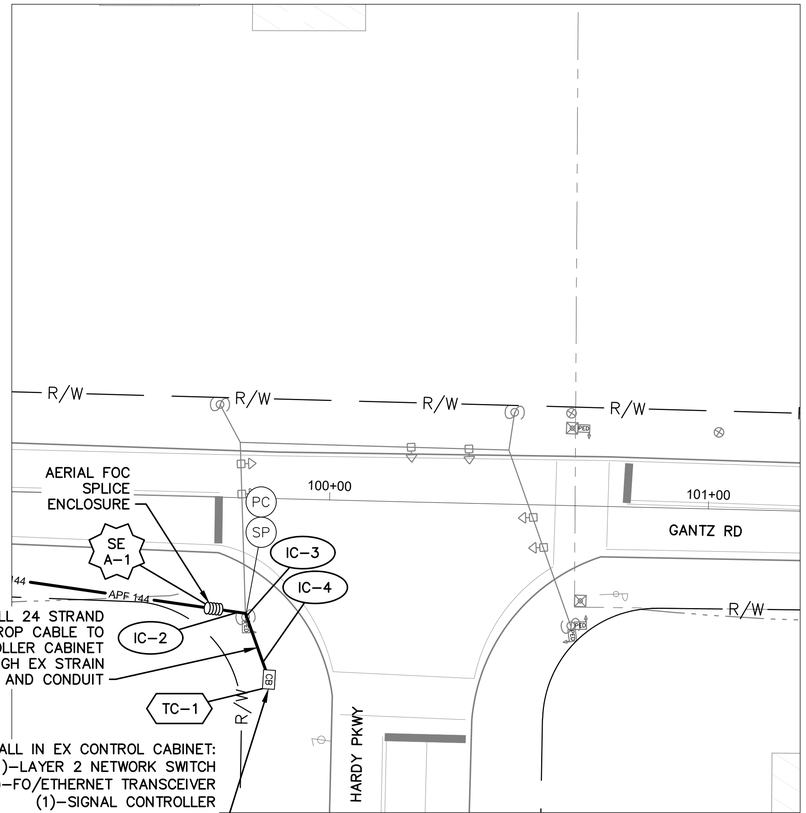
CITY OF COLUMBUS TRAFFIC SIGNAL SYSTEM
(CTSS) PHASE F - FINAL SUBMITTAL

298
768

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GANTZ RD BETWEEN STATION 98+00 AND 108+00



DETAIL - INT 1112

0 20 40
HORIZONTAL
SCALE IN FEET

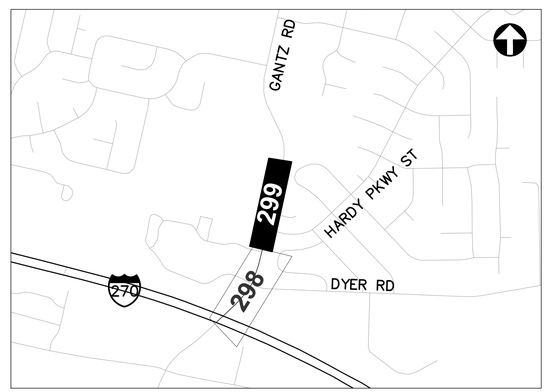
NOTES:

1. SEE SHEET 300 FOR QUANTITIES.
2. SEE SHEETS 481 & 660 FOR COMMUNICATION DETAILS.

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CITY OF COLUMBUS
UTILITY LEGEND

- ☐ SEWER
- ☐ WATER
- ☐ POWER
- ☐ LIGHTING



REFER TO SHEET 239 FOR
INTERCONNECT SHEET INDEX

KEY PLAN
NOT TO SCALE

0 40 80
HORIZONTAL
SCALE IN FEET

CIP: 540007–100060
PID NUMBER: 110521

INTERCONNECT PLAN
GANTZ RD BETWEEN STA. 98+00 AND 108+00, INT 1112

CITY OF COLUMBUS TRAFFIC SIGNAL SYSTEM
(CTSS) PHASE F – FINAL SUBMITTAL

299
768

3676-E

J:\Jobs\70202 – CTSS Phase F\TECHPROD\Sheets\CTSS_PhF_Trunk3_GANTZ_INTERCONNECT.dwg – GANTZ-2 layout ~ last saved by: gburch 05/31/2022 10:39am ~ printed 06/02/2022 11:08am PSLTS: 1 LTS: 1 CAS: 1:1

ESTIMATED QUANTITIES

SHEET NO.	REFERENCE NO.	LOCATION	STATION		202	625	625	625	625	632	632	632	632	632	632	632	633	633	633				
					EXISTING CONDUIT CLEANED, AS PER PLAN	CONDUIT, CONCRETE ENCASED, 2-3", 725.051, AS PER PLAN	CONDUIT, JACKED OR DRILLED, 3", AS PER PLAN	PULL BOX, CONCRETE 32", AS PER PLAN	TRENCH, 36" DEEP, AS PER PLAN	CONDUIT RISER, 2", 725.04, AS PER PLAN	DOWN GUY	INTERCONNECT CABLE, MISC.: FIBER OPTIC CABLE, 144 STRAND	INTERCONNECT CABLE, MISC.: FIBER OPTIC DROP CABLE, 24 STRAND	INTERCONNECT CABLE, MISC.: FIBER OPTIC FUSION SPLICE	INTERCONNECT CABLE, MISC.: TERMINATION PANEL, 24 FIBER	INTERCONNECT, MISC.: SPLICE ENCLOSURE, DOME, 288 SPLICE	MESSENGER WIRE, 7 STRAND, 1/4" DIAMETER WITH ACCESSORIES, AS PER PLAN	CONTROLLER ITEM, MISC.: FIBER OPTIC ETHERNET TRANSCEIVER, SHORT RANGE	CONTROLLER ITEM, MISC.: LAYER 2 ETHERNET SWITCH	CONTROLLER UNIT, TYPE TS2/A2, AS PER PLAN				
			FROM	TO	FT	FT	FT	EACH	FT	EACH	EACH	FT	FT	EACH	EACH	EACH	FT	EACH	EACH	EACH				
GANTZ RD. BETWEEN STA. 88+00 AND 98+00																								
298	IC-1	GANTZ RD	89+93, 54' RT	90+07, 241' RT	254							254												
298	IC-2	GANTZ RD	89+93, 54' RT	93+48, 35' RT		363			363			363												
298	SE U-1	GANTZ RD	90+07, 241' RT									75		18 ~~24~~		1								
298	IC-3	GANTZ RD	93+48, 35' RT	94+32, 43' RT			186	2				93												
298	IC-4	GANTZ RD	94+32, 43' RT	94+61, 67' RT		40		1	40			40												
298	IC-5	GANTZ RD	94+61, 67' RT							2	1	35												
298	IC-6	GANTZ RD	94+61, 67' RT	98+00, 21' RT								352					352							
GANTZ RD. BETWEEN STA. 98+00 AND 108+00, INT 1112																								
299	IC-1	GANTZ RD	98+00, 21' RT	99+70, 29' RT								174					174							
299	SE A-1	GANTZ RD	99+70, 29' RT									75	125	24		1								
299	IC-2	GANTZ RD	99+70, 29' RT	99+79, 30' RT									9				9							
299	IC-3	GANTZ RD	99+79, 30' RT										35											
299	IC-4	GANTZ RD	99+79, 30' RT	99+85, 48' RT	19								19											
299	TC-1	GANTZ RD	99+85, 48' RT										20		1			2	1	1				
SHEET TOTAL					273	403	186	3	403	2	1	1,461	208	48	1	2	535	2	1	1	-	-	-	-

AERIAL SAG: 1.5% AERIAL SAG IS INCLUDED IN THE QUANTITIES FOR ANY AERIAL FIBER OR CABLE ITEMS.

3676-E

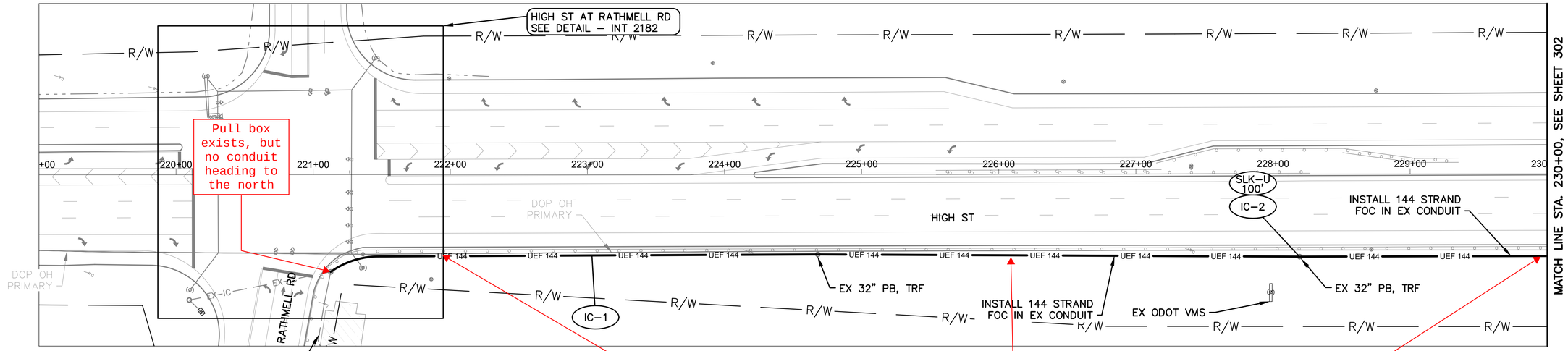
CIP: 540007-100060
PID NUMBER: 110521

GANTZ RD BETWEEN STA. 88+00 & 108+00
INT 1112

CITY OF COLUMBUS TRAFFIC SIGNAL SYSTEM
(CTSS) PHASE F - FINAL SUBMITTAL

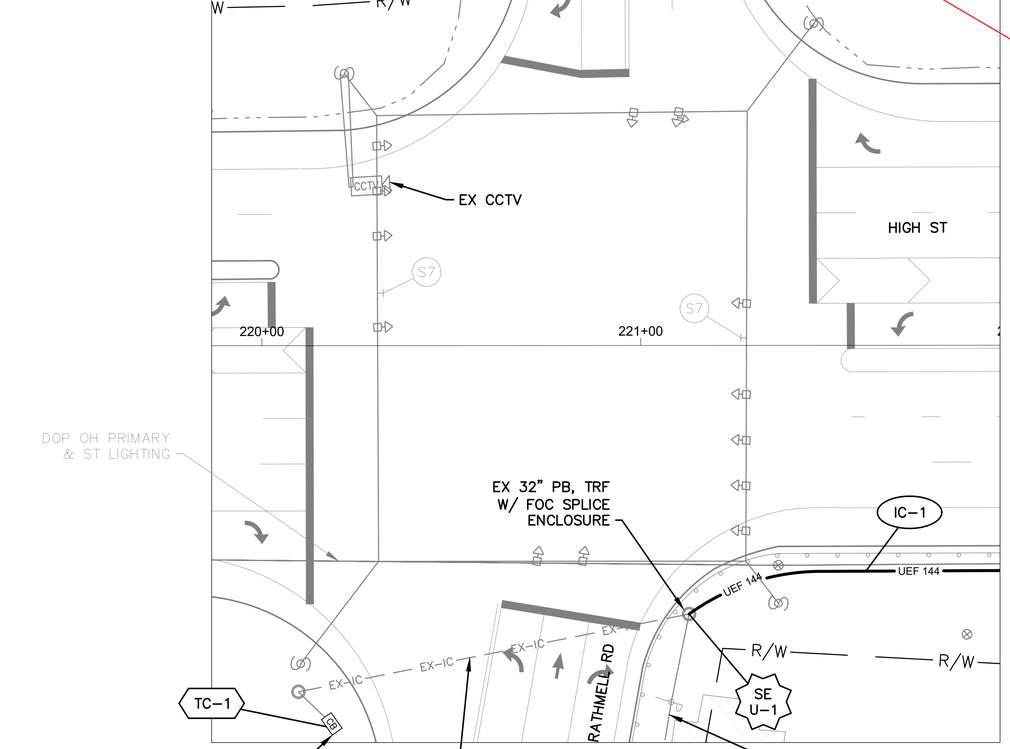
300
768

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HIGH ST BETWEEN STATION 219+00 AND 230+00

No existing conduit to clean



DETAIL - INT 2182

0 20 40
HORIZONTAL SCALE IN FEET

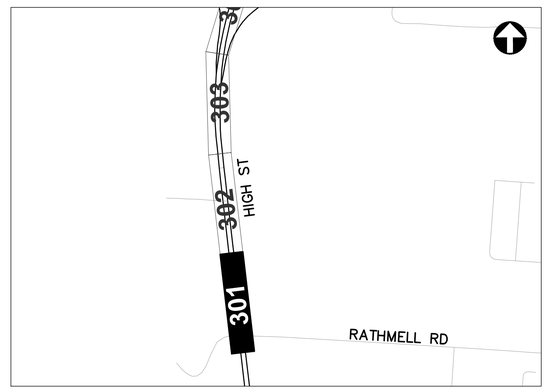
NOTES:

1. SEE SHEET 306 FOR QUANTITIES.
2. SEE SHEETS 458 & 536 FOR COMMUNICATION DETAILS.
3. REFER TO FRA–23–4.19 (PID 110380) PROJECT PLANS FOR ANTICIPATED ROADWAY, CONDUIT, AND R/W CONDITIONS.

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CITY OF COLUMBUS UTILITY LEGEND

- ☐ SEWER
- ☐ WATER
- ☒ POWER
- ☒ LIGHTING



REFER TO SHEET 240 FOR INTERCONNECT SHEET INDEX

KEY PLAN
NOT TO SCALE

0 40 80
HORIZONTAL SCALE IN FEET

CIP: 540007–100060
PID NUMBER: 110521

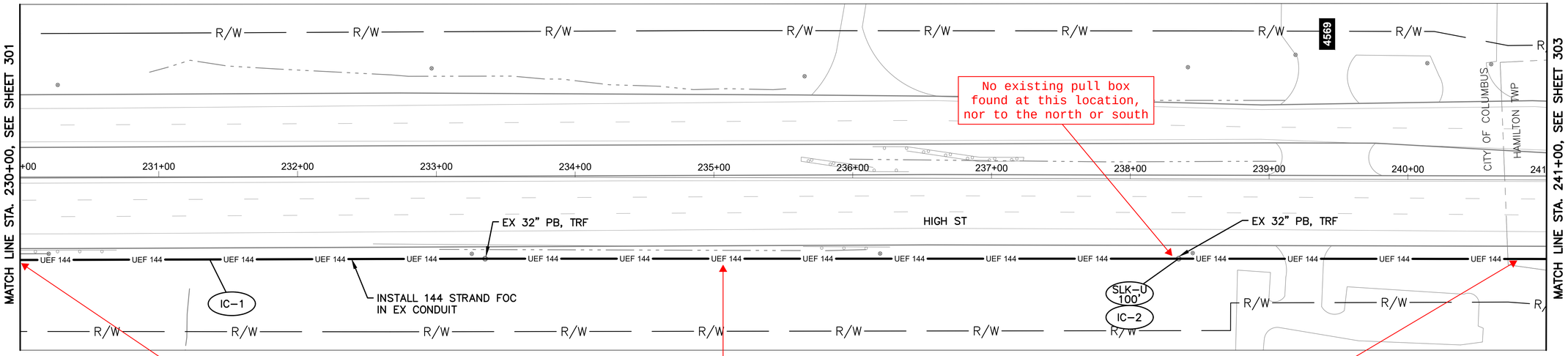
INTERCONNECT PLAN
HIGH ST BETWEEN STA. 219+00 AND 230+00, INT 2182

CITY OF COLUMBUS TRAFFIC SIGNAL SYSTEM
(CTSS) PHASE F – FINAL SUBMITTAL

3676-E

301
768

J:\Jobs\70202 – CTSS Phase F\TECHPROD\Sheets\CTSS_PhF_Trunk3_HIGH_INTERCONNECT.dwg – HIGH–1 layout ~ last saved by: gburch 05/31/2022 10:40am ~ printed 06/02/2022 11:13am PSLTS: 1 LTS: 1 CAS: 1:1



HIGH ST BETWEEN STATION 230+00 AND 241+00

No existing conduit to clean

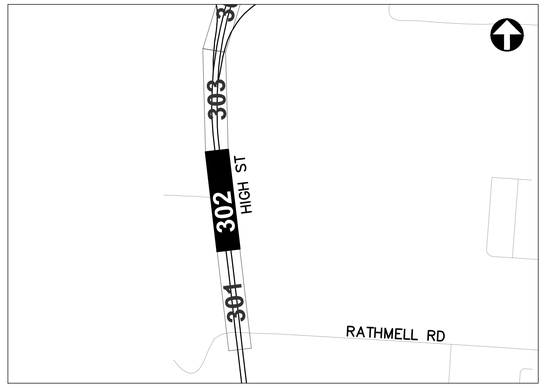
NOTES:

1. SEE SHEET 306 FOR QUANTITIES.
2. SEE SHEET 458 FOR COMMUNICATION DETAILS.
3. REFER TO FRA-23-4.19 (PID 110380) PROJECT PLANS FOR ANTICIPATED ROADWAY, CONDUIT, AND R/W CONDITIONS.

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CITY OF COLUMBUS UTILITY LEGEND

- ☐ SEWER
- ☐ WATER
- ☐ POWER
- ☐ LIGHTING



REFER TO SHEET 240 FOR INTERCONNECT SHEET INDEX

KEY PLAN
NOT TO SCALE

3676-E

HORIZONTAL SCALE IN FEET
0 40 80

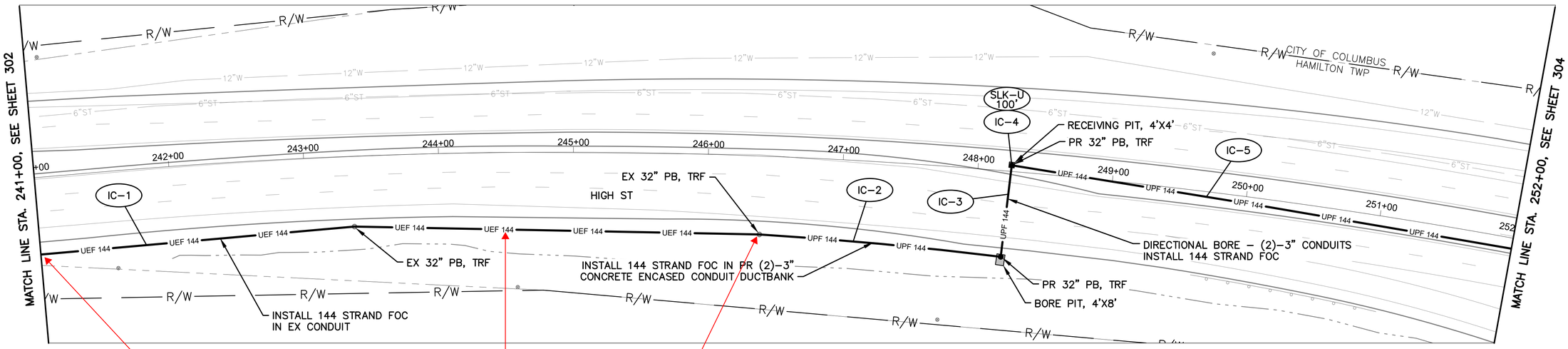
CIP: 540007-100060
PID NUMBER: 110521

INTERCONNECT PLAN
HIGH ST BETWEEN STA. 230+00 AND 241+00

CITY OF COLUMBUS TRAFFIC SIGNAL SYSTEM
(CTSS) PHASE F - FINAL SUBMITTAL

302
768

J:\Jobs\70202 - CTSS Phase F\TECHPROD\Sheets\CTSS_PhF_Trunk3_HIGH_INTERCONNECT.dwg - HIGH-2 layout ~ last saved by: gburch 05/31/2022 10:40am ~ printed 06/02/2022 11:14am PSLTS: 1 LTS: 1 CAS: 1:1



HIGH ST BETWEEN STATION 241+00 AND 252+00

No existing conduit to clean

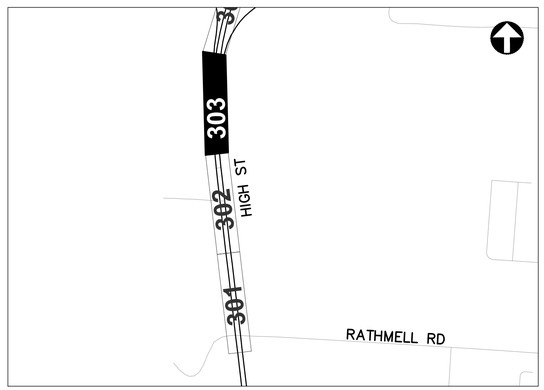
NOTES:

1. SEE SHEET 306 FOR QUANTITIES.
2. SEE SHEET 458 FOR COMMUNICATION DETAILS.
3. REFER TO PID 110380 (DR-E 3667) AND PID 92616 PROJECT PLANS FOR ANTICIPATED ROADWAY, CONDUIT, AND R/W CONDITIONS.

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CITY OF COLUMBUS UTILITY LEGEND

- ☐ SEWER
- ☐ WATER
- ☐ POWER
- ☐ LIGHTING



REFER TO SHEET 240 FOR INTERCONNECT SHEET INDEX

KEY PLAN
NOT TO SCALE

3676-E

HORIZONTAL SCALE IN FEET
0 40 80

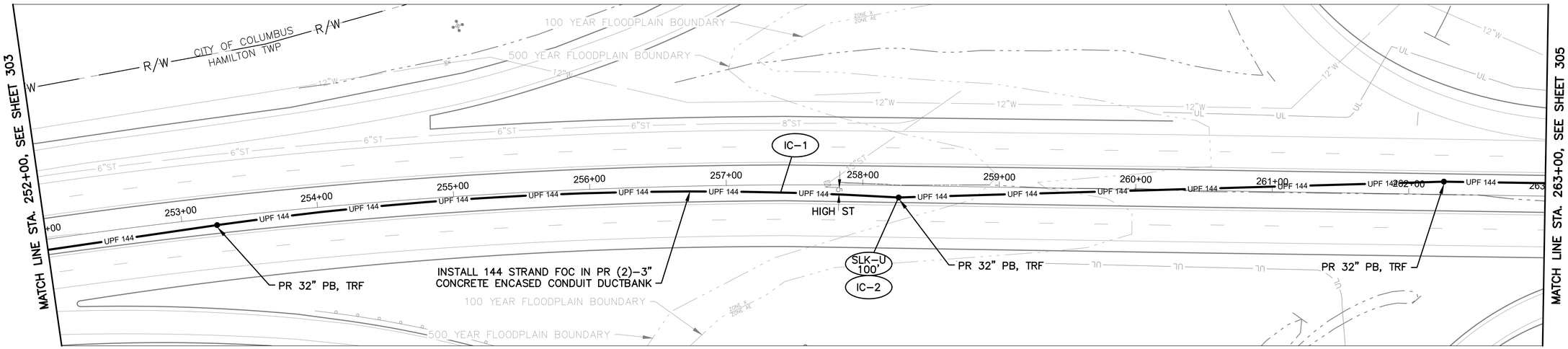
CIP: 540007-100060
PID NUMBER: 110521

INTERCONNECT PLAN
HIGH ST BETWEEN STA. 241+00 AND 252+00

CITY OF COLUMBUS TRAFFIC SIGNAL SYSTEM
(CTSS) PHASE F - FINAL SUBMITTAL

303
768

J:\Jobs\70202 - CTSS Phase F\TECHPROD\Sheets\CTSS_PhF_Trunk3_HIGH_INTERCONNECT.dwg - HIGH-3 layout ~ last saved by: gburch 05/31/2022 10:40am ~ printed 06/02/2022 11:15am PSLTS: 1 LTS: 1 CAS: 1:1



HIGH ST BETWEEN STATION 252+00 AND 263+00

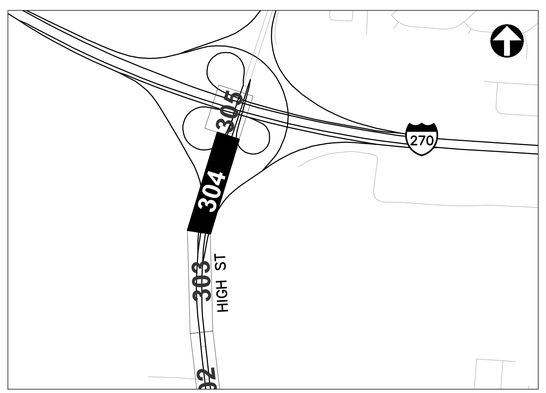
NOTES:

1. SEE SHEET 306 FOR QUANTITIES.
2. SEE SHEET 458 FOR COMMUNICATION DETAILS.
3. REFER TO PID 92616 PROJECT PLANS FOR ANTICIPATED ROADWAY, CONDUIT, AND R/W CONDITIONS.

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CITY OF COLUMBUS UTILITY LEGEND

- ☐ SEWER
- ☐ WATER
- ☐ POWER
- ☐ LIGHTING



REFER TO SHEET 240 FOR INTERCONNECT SHEET INDEX

KEY PLAN
NOT TO SCALE

HORIZONTAL SCALE IN FEET
0 40 80

CIP: 540007-100060
PID NUMBER: 110521

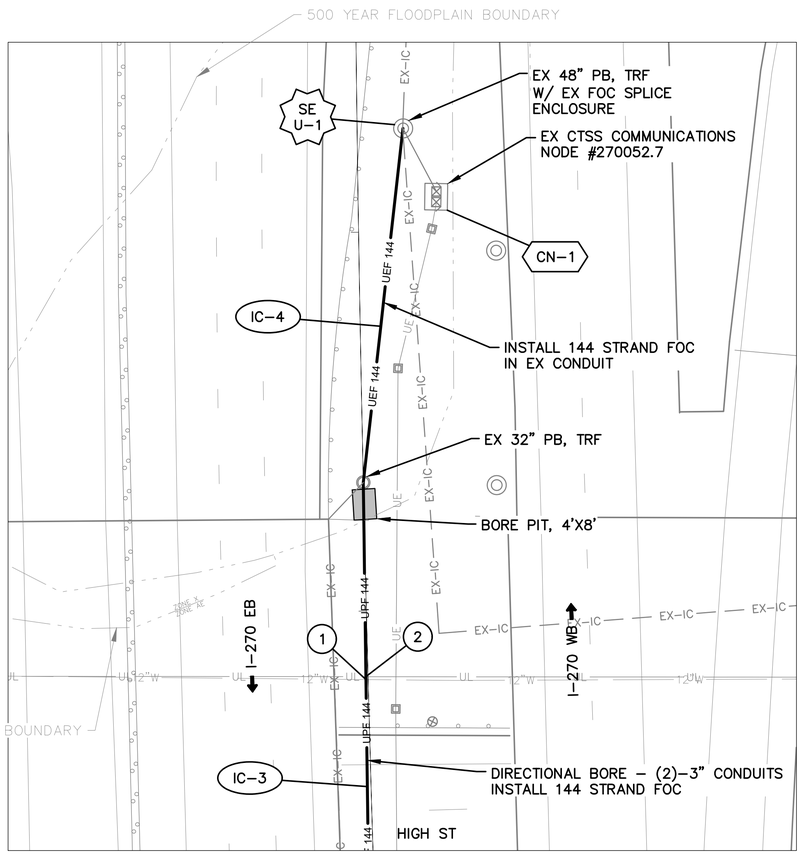
INTERCONNECT PLAN
HIGH ST BETWEEN STA. 252+00 AND 263+00

CITY OF COLUMBUS TRAFFIC SIGNAL SYSTEM
(CTSS) PHASE F – FINAL SUBMITTAL

304
768

3676-E

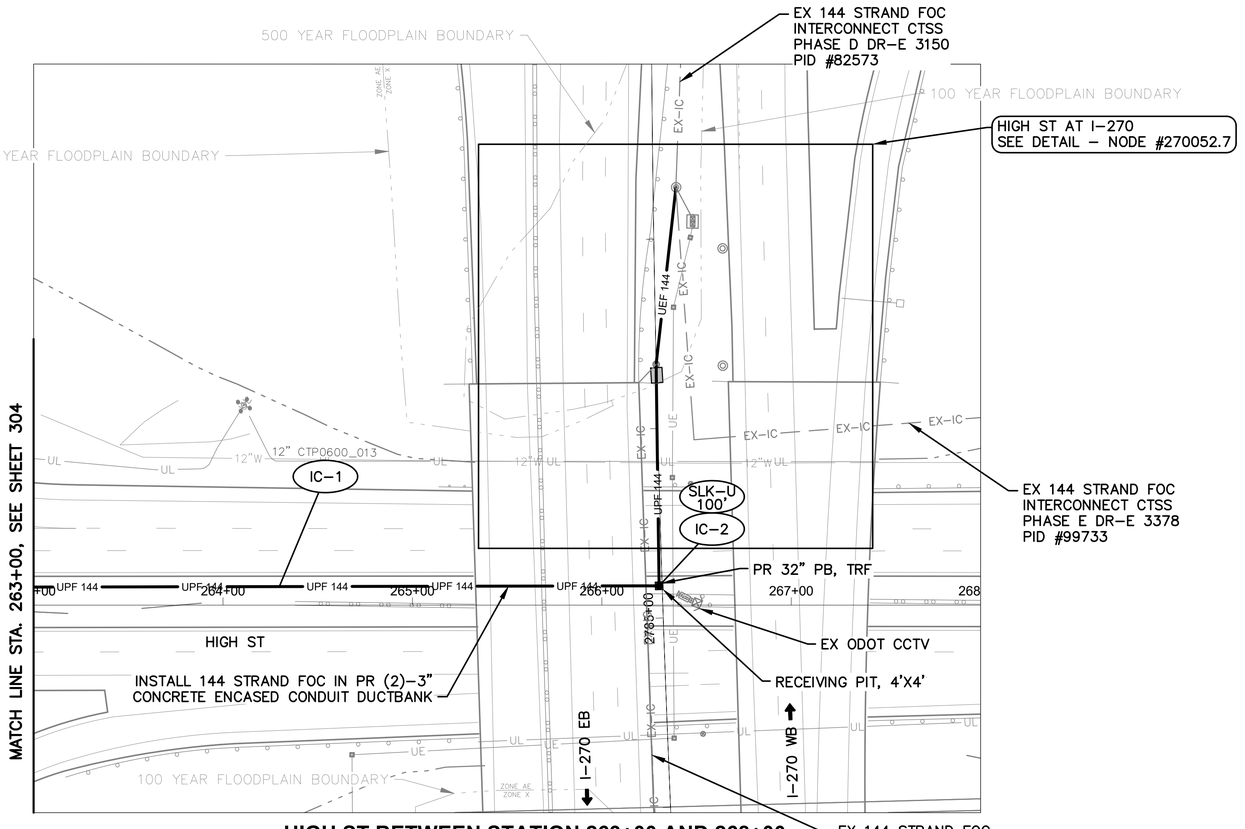
J:\Jobs\70202 – CTSS Phase F\TECHPROD\Sheets\CTSS_PhF_Trunk3_HIGH_INTERCONNECT.dwg – HIGH-4 layout ~ last saved by: gburch 05/31/2022 10:40am ~ printed 06/02/2022 11:16am PSLTS: 1 LTS: 1 CAS: 1:1



DETAIL - NODE #270052.7

0 20 40

HORIZONTAL
SCALE IN FEET



HIGH ST BETWEEN STATION 263+00 AND 268+00

NOTES:

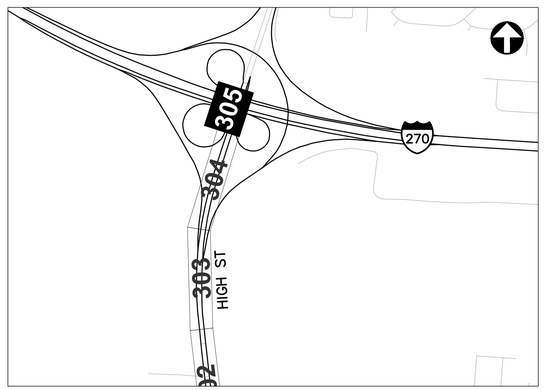
1. SEE SHEET 306 FOR QUANTITIES.
2. SEE SHEETS 481 & 701 FOR COMMUNICATION DETAILS.
3. REFER TO PID 92616 PROJECT PLANS FOR ANTICIPATED ROADWAY, CONDUIT, AND R/W CONDITIONS.

(#) EXISTING UTILITY CROSSING.
SEE UTILITY CROSSING INFO
SHEET 245.

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CITY OF COLUMBUS
UTILITY LEGEND

- ☐ SEWER
- ☒ WATER
- ☒ POWER
- ☒ LIGHTING



REFER TO SHEET 240 FOR
INTERCONNECT SHEET INDEX

KEY PLAN
NOT TO SCALE

0 40 80
HORIZONTAL
SCALE IN FEET

CIP: 540007-100060
PID NUMBER: 110521

INTERCONNECT PLAN
HIGH ST BETWEEN STA. 263+00 AND 268+00, NODE #XXXXXX.X

CITY OF COLUMBUS TRAFFIC SIGNAL SYSTEM
(CTSS) PHASE F - FINAL SUBMITTAL

305
768

3676-E

J:\Jobs\70202 - CTSS Phase F\TECHPROD\Sheets\CTSS_PhF_Trunk3_HIGH_INTERCONNECT.dwg - HIGH-5 layout ~ last saved by: gburch 05/31/2022 10:40am ~ printed 06/02/2022 11:17am PSLTS: 1 LTS: 1 CAS: 1:1

ESTIMATED QUANTITIES

SHEET NO.	REFERENCE NO.	LOCATION	STATION		202	625	625	625	625	632	632	633												
					EXISTING CONDUIT CLEANED, AS PER PLAN	CONDUIT, CONCRETE ENCASED, 2-3", 725.051, AS PER PLAN	CONDUIT, JACKED OR DRILLED, 3", AS PER PLAN	PULL BOX, CONCRETE 32", AS PER PLAN	TRENCH, 36" DEEP, AS PER PLAN	INTERCONNECT CABLE, MISC.: FIBER OPTIC CABLE, 144 STRAND	INTERCONNECT CABLE, MISC.: FIBER OPTIC FUSION SPLICE	CONTROLLER ITEM, MISC.: FIBER OPTIC ETHERNET TRANSCEIVER, SHORT RANGE												
			FROM	TO	FT	FT	FT	EACH	FT	FT	EACH	EACH												
HIGH ST. BETWEEN STA. 219+00 AND 230+00, INT 2182																								
301	TC-1	HIGH ST	220+19, 100' RT									1												
301	SE U-1	HIGH ST	221+13, 71' RT							75	132													
301	IC-1	HIGH ST	221+13, 71' RT	230+00, 60' RT	888					888														
301	IC-2	HIGH ST	228+19, 60' RT							100														
HIGH ST. BETWEEN STA. 230+00 AND 241+00																								
302	IC-1	HIGH ST	230+00, 60' RT	241+00, 57' RT	1,100					1,100														
302	IC-2	HIGH ST	238+35, 57' RT							100														
HIGH ST. BETWEEN STA. 241+00 AND 252+00																								
303	IC-1	HIGH ST	241+00, 57' RT	246+40, 58' RT	537					537														
303	IC-2	HIGH ST	246+40, 58' RT	248+22, 64' RT		176			176	176														
303	IC-3	HIGH ST	248+22, 64' RT	248+25, 5' LT			136	1		68														
303	IC-4	HIGH ST	248+25, 5' LT					1		100														
303	IC-5	HIGH ST	248+25, 5' LT	252+00, 8' RT		375			375	375														
HIGH ST. BETWEEN STA. 252+00 AND 263+00																								
304	IC-1	HIGH ST	252+00, 8' RT	263+00, 10' LT		1,099		2	1,099	1,099														
304	IC-2	HIGH ST	258+26, 9' RT					1		100														
HIGH ST. BETWEEN STA. 263+00 AND 268+00, NODE #270052.7																								
305	IC-1	HIGH ST	263+00, 10' LT	266+30, 10' LT		330			330	330														
305	IC-3	HIGH ST	266+28, 127' LT	266+30, 10' LT			234			117														
305	IC-4	HIGH ST	266+28, 127' LT	266+39, 221' LT	94					94														
305	IC-2	HIGH ST	266+30, 10' LT					1		100														
305	SE U-1	HIGH ST	266+39, 221' LT							75	144													
305	CN-1	HIGH ST	266+48, 204' LT									1												
SHEET TOTAL					2,619	1,980	370	6	1,980	5,434	276	2	-	-	-	-	-	-	-	-	-	-	-	-

AERIAL SAG: 1.5% AERIAL SAG IS INCLUDED IN THE QUANTITIES FOR ANY AERIAL FIBER OR CABLE ITEMS.

3676-E

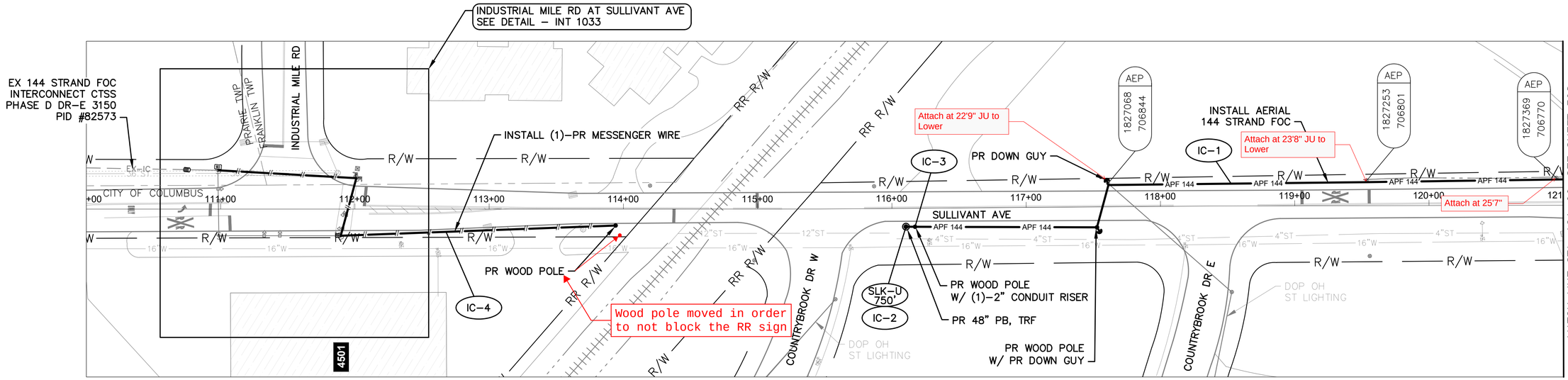
CIP: 540007-100060
PID NUMBER: 110521

HIGH ST BETWEEN STA. 219+00 & 268+00
INT 2182

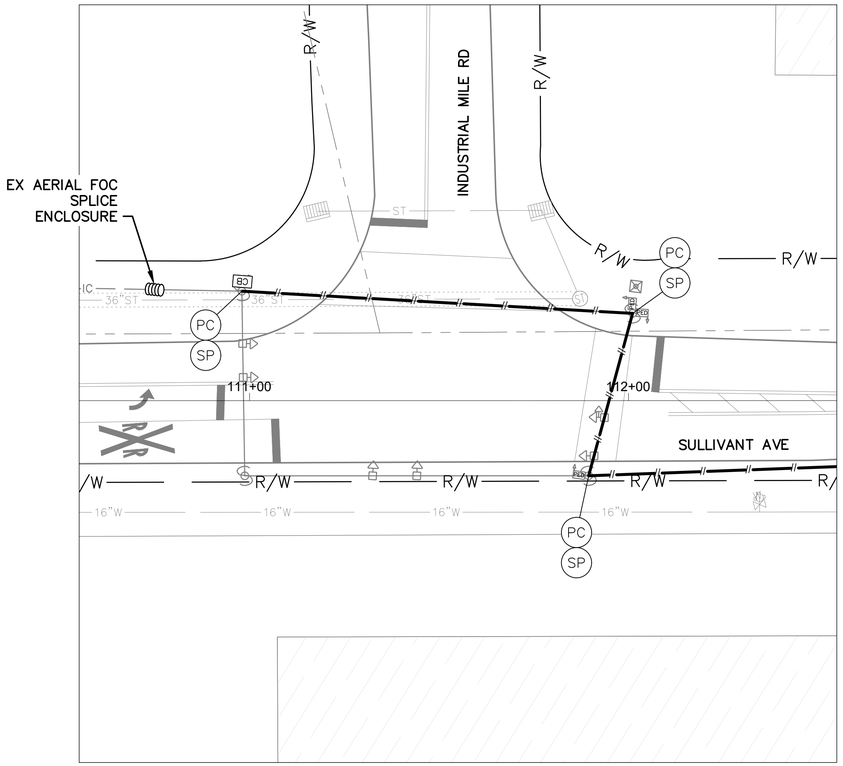
CITY OF COLUMBUS TRAFFIC SIGNAL SYSTEM
(CTSS) PHASE F – FINAL SUBMITTAL

306
768

J:\Jobs\70202 – CTSS Phase F\TECHPROD\Sheets\CTSS_PhF_Trunk3_HIGH_IC_QUANTITIES.dwg – HIGH 01 layout ~ last saved by: robevans 05/31/2022 10:40am ~ printed 06/02/2022 01:47pm PSLTS: 1 LTS: 1 CAS: 1:1



SULLIVANT AVE BETWEEN STATION 110+00 AND 121+00



DETAIL - INT 1033

0 20 40
HORIZONTAL
SCALE IN FEET

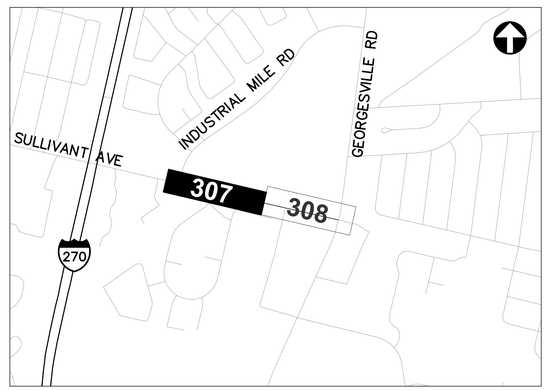
NOTES:

1. SEE SHEET 309 FOR QUANTITIES.

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CITY OF COLUMBUS
UTILITY LEGEND

- ☒ SEWER
- ☒ WATER
- ☐ POWER
- ☐ LIGHTING



REFER TO SHEET 237 FOR
INTERCONNECT SHEET INDEX

KEY PLAN
NOT TO SCALE

3676-E

0 40 80
HORIZONTAL
SCALE IN FEET

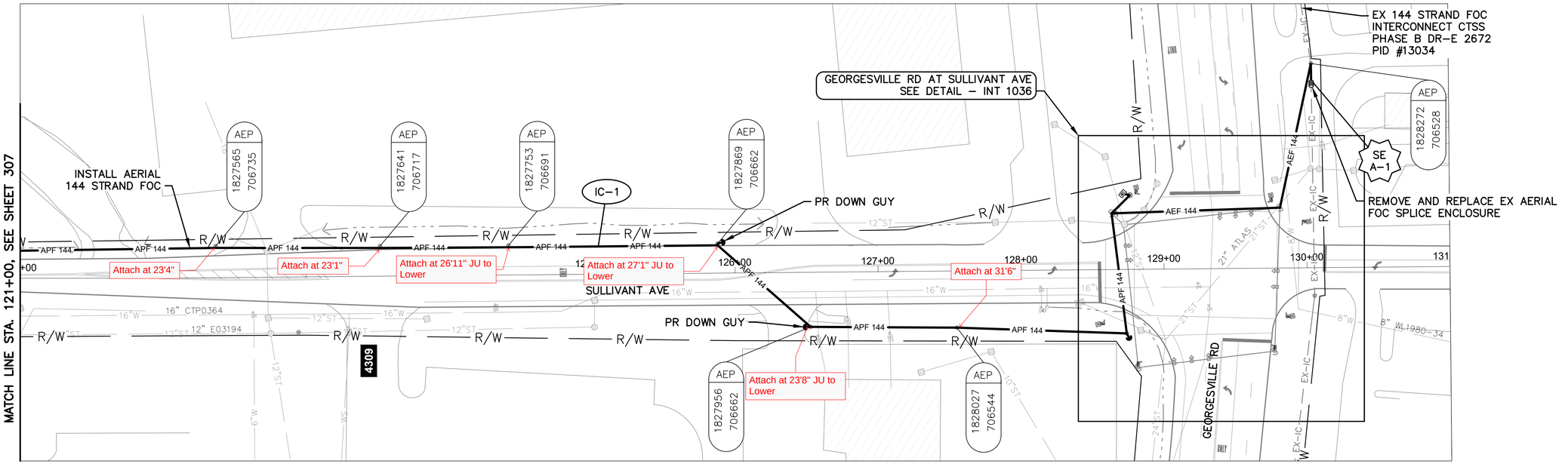
CIP: 540007-100060
PID NUMBER: 110521

INTERCONNECT PLAN
SULLIVANT AVE BETWEEN STA. 110+00 AND 121+00, INT 1033

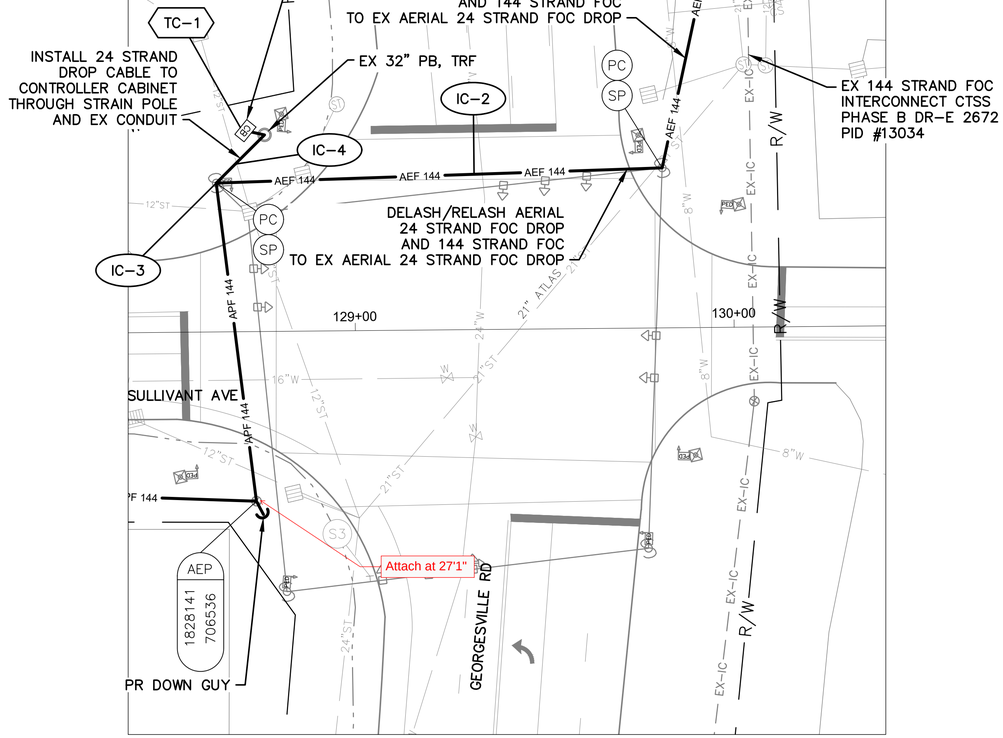
CITY OF COLUMBUS TRAFFIC SIGNAL SYSTEM
(CTSS) PHASE F – FINAL SUBMITTAL

307
768

J:\Jobs\70202 – CTSS Phase F\TECHPROD\Sheets\CTSS_PhF_Trunk3_SULLIVANT_INTERCONNECT.dwg – SULLIVANT-1 layout ~ last saved by gburch 05/31/2022 10:53am ~ printed 06/02/2022 11:19am PSLTS: 1 LTS: 1 CAS: 1:1

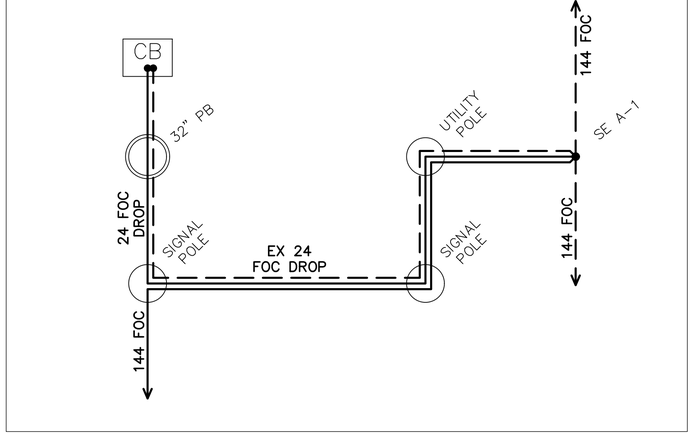


SULLIVANT AVE BETWEEN STATION 121+00 AND 131+00



DETAIL - INT 1036

0 20 40
HORIZONTAL
SCALE IN FEET



CABLE SCHEMATIC - INT 1036

NOT TO SCALE

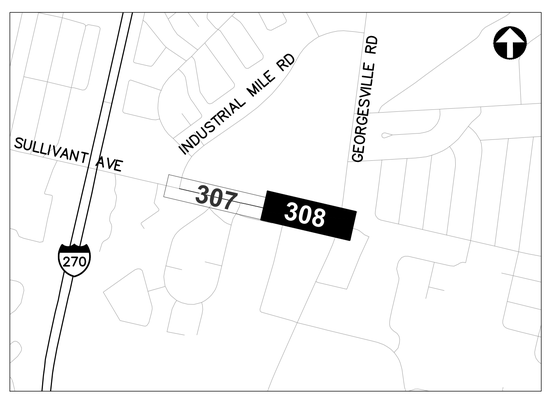
NOTES:

1. SEE SHEET 309 FOR QUANTITIES.
2. SEE SHEETS 475 & 626 FOR COMMUNICATION DETAILS.

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CITY OF COLUMBUS UTILITY LEGEND

- ☒ SEWER
- ☒ WATER
- ☐ POWER
- ☐ LIGHTING



REFER TO SHEET 237 FOR INTERCONNECT SHEET INDEX

KEY PLAN
NOT TO SCALE

3676-E

0 40 80
HORIZONTAL
SCALE IN FEET

CIP: 540007-100060
PID NUMBER: 110521

INTERCONNECT PLAN
SULLIVANT AVE BETWEEN STA. 121+00 AND 131+00, INT 1036

CITY OF COLUMBUS TRAFFIC SIGNAL SYSTEM
(CTSS) PHASE F – FINAL SUBMITTAL

308
768

J:\Jobs\70202 – CTSS Phase F\TECHPROD\Sheets\CTSS_PhF_Trunk3_SULLIVANT_INTERCONNECT.dwg – SULLIVANT-2 layout ~ last saved by: gburch 05/31/2022 10:53am ~ printed 06/02/2022 11:20am PSLTS: 1 LTS: 1 CAS: 1:1

ESTIMATED QUANTITIES

SHEET NO.	REFERENCE NO.	LOCATION	STATION		202	625	625	625	632	632	632	632	632	632	632	632	632						
					EXISTING CONDUIT CLEANED, AS PER PLAN	CONDUIT, 2", AS PER PLAN	PULL BOX, CONCRETE 48", AS PER PLAN	TRENCH, 36" DEEP, AS PER PLAN	CONDUIT RISER, 2", 725.051, AS PER PLAN	DOWN GUY	INTERCONNECT CABLE, MISC.: FIBER OPTIC CABLE, 144 STRAND	INTERCONNECT CABLE, MISC.: FIBER OPTIC DROP CABLE, 24 STRAND	INTERCONNECT CABLE, MISC.: FIBER OPTIC FUSION SPLICE	INTERCONNECT CABLE, MISC.: OVERLASH TO EXISTING INTERCONNECT	INTERCONNECT CABLE, MISC.: TERMINATION PANEL, 24 FIBER	INTERCONNECT, MISC.: SPLICE ENCLOSURE, DOME, 800 SPLICE	MESSENGER WIRE, 7 STRAND, 1/4" DIAMETER WITH ACCESSORIES, AS PER PLAN	WOOD POLE, CLASS 5, 35 FT						
			FROM	TO	FT	FT	EACH	FT	EACH	EACH	FT	FT	EACH	FT	EACH	EACH	FT	EACH						
SULLIVANT AVE. BETWEEN STA. 110+00 AND 121+00, INT 1033																								
307	IC-4	SULLIVANT AVE	110+98, 29' LT	113+94, 12' RT													353	1						
307	IC-2	SULLIVANT AVE	116+10, 14' RT	116+17, 14' RT		7	1	7			750													
307	IC-3	SULLIVANT AVE	116+17, 14' RT						1		35													
307	IC-1	SULLIVANT AVE	116+17, 14' RT	121+00, 19' LT						2	515						515	2						
SULLIVANT AVE. BETWEEN STA. 121+00 AND 131+00, INT 1036																								
308	IC-1	SULLIVANT AVE	121+00, 19' LT	128+63, 39' LT						3	893						893							
308	IC-3	SULLIVANT AVE	128+63, 39' LT								35													
308	IC-2	SULLIVANT AVE	128+63, 39' LT	130+04, 129' LT							238	238		238										
308	IC-4	SULLIVANT AVE	128+63, 39' LT	128+71, 53' LT	23							23												
308	TC-1	SULLIVANT AVE	128+71, 53' LT									20			1									
308	SE A-1	SULLIVANT AVE	130+04, 129' LT								75	125	168			1								
SHEET TOTAL					23	7	1	7	1	5	2,541	406	168	238	1	1	1,761	3	-	-	-	-	-	-

AERIAL SAG: 1.5% AERIAL SAG IS INCLUDED IN THE QUANTITIES FOR ANY AERIAL FIBER OR CABLE ITEMS.

3676-E

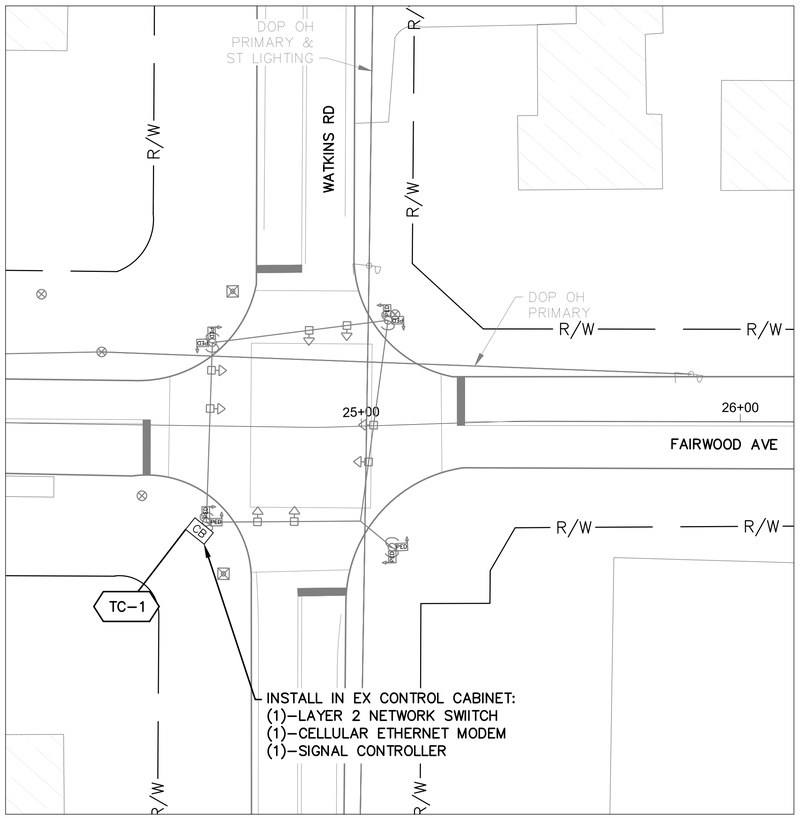
CIP: 540007-100060
PID NUMBER: 110521

SULLIVANT AVE BETWEEN STA. 110+00 & 131+00
INTS 1033 AND 1036

CITY OF COLUMBUS TRAFFIC SIGNAL SYSTEM
(CTSS) PHASE F – FINAL SUBMITTAL

309
768

J:\Jobs\70202 – CTSS Phase F\TECHPROD\Sheets\CTSS_PhF_Trunk3_SULLIVANT_IC_QUANTITIES.dwg – SULLIVANT Q1 layout ~ last saved by: gburch 05/31/2022 10:53am ~ printed 06/02/2022 01:47pm PSLTS: 1 LTS: 1 CAS: 1:1



DETAIL - INT 2136

0 20 40

HORIZONTAL
SCALE IN FEET

NOTES:

1. SEE SHEET 318 FOR QUANTITIES.
2. SEE SHEETS 476 & 631 FOR COMMUNICATION DETAILS.

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CITY OF COLUMBUS
UTILITY LEGEND

- ☐ SEWER
- ☐ WATER
- ☐ POWER
- ☐ LIGHTING



REFER TO SHEET 240 FOR
INTERCONNECT SHEET INDEX

KEY PLAN
NOT TO SCALE

3676-E

0 40 80
HORIZONTAL
SCALE IN FEET

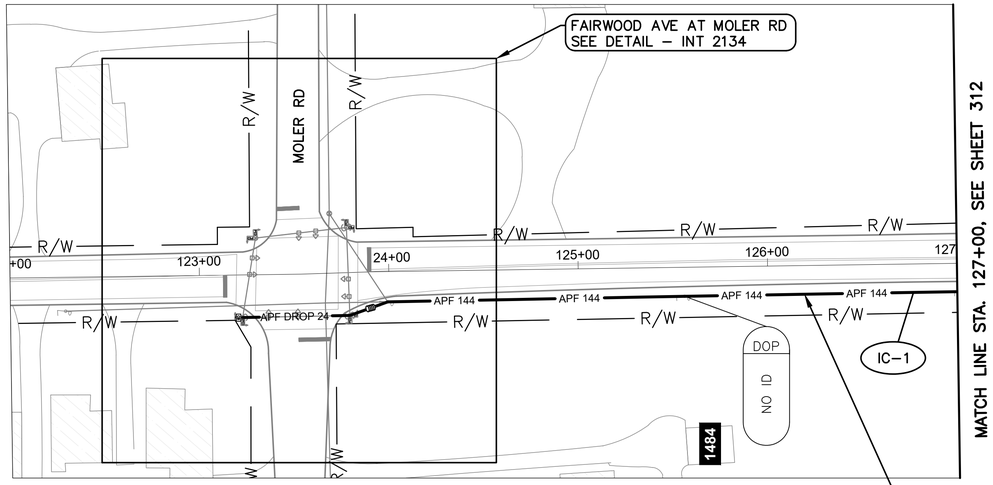
CIP: 540007-100060
PID NUMBER: 110521

INTERCONNECT PLAN
INT 2136 – FAIRWOOD AVE AT WATKINS RD

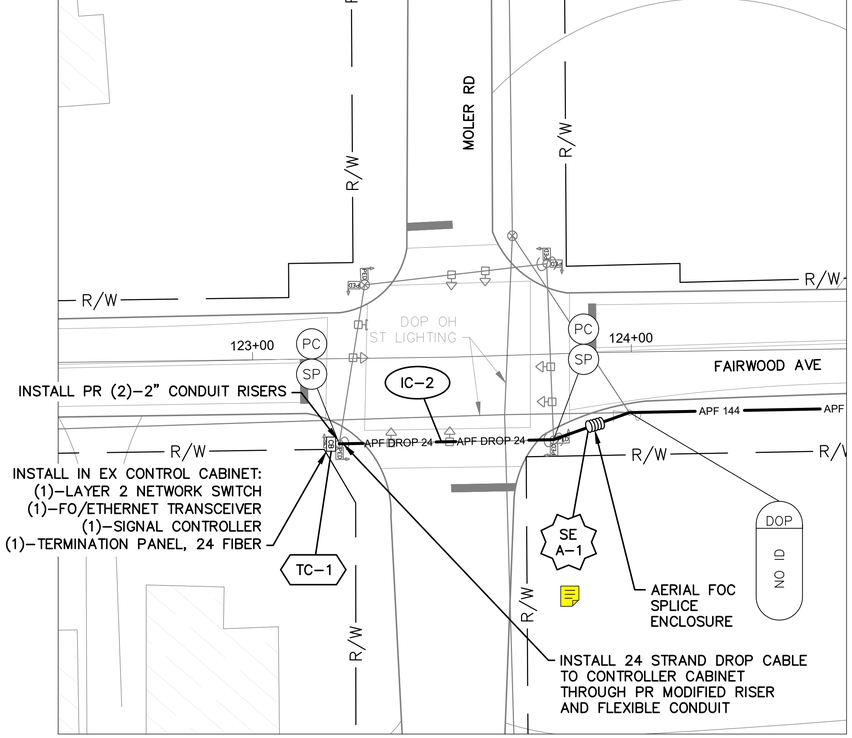
CITY OF COLUMBUS TRAFFIC SIGNAL SYSTEM
(CTSS) PHASE F – FINAL SUBMITTAL

310
768

J:\Jobs\70202 – CTSS Phase F\TECHPROD\Sheets\CTSS_PhF_Trunk4_FAIRWOOD_INTERCONNECT.dwg – FAIRWOOD–1 layout ~ last saved by: gburch 05/31/2022 10:53am ~ printed 06/02/2022 11:21am PSLTS: 1 LTS: 1 CAS: 1:1



FAIRWOOD AVE BETWEEN STATION 122+00 AND 127+00



DETAIL - INT 2134

0 20 40
HORIZONTAL
SCALE IN FEET

NOTES:

1. SEE SHEET 318 FOR QUANTITIES.
2. SEE SHEETS 476 & 630 FOR COMMUNICATION DETAILS.

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CITY OF COLUMBUS UTILITY LEGEND

- ☐ SEWER
- ☐ WATER
- ☐ POWER
- ☒ LIGHTING



REFER TO SHEET 240 FOR INTERCONNECT SHEET INDEX

KEY PLAN
NOT TO SCALE

3676-E

0 40 80
HORIZONTAL
SCALE IN FEET

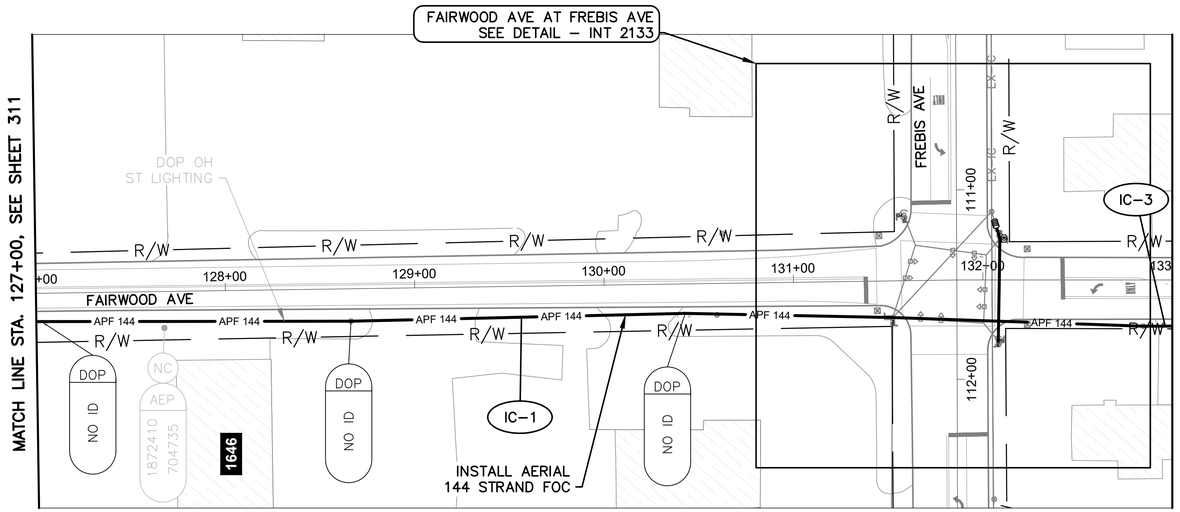
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PID NUMBER: 110521

INTERCONNECT PLAN
FAIRWOOD AVE BETWEEN STA. 122+00 AND 127+00, INT 2134

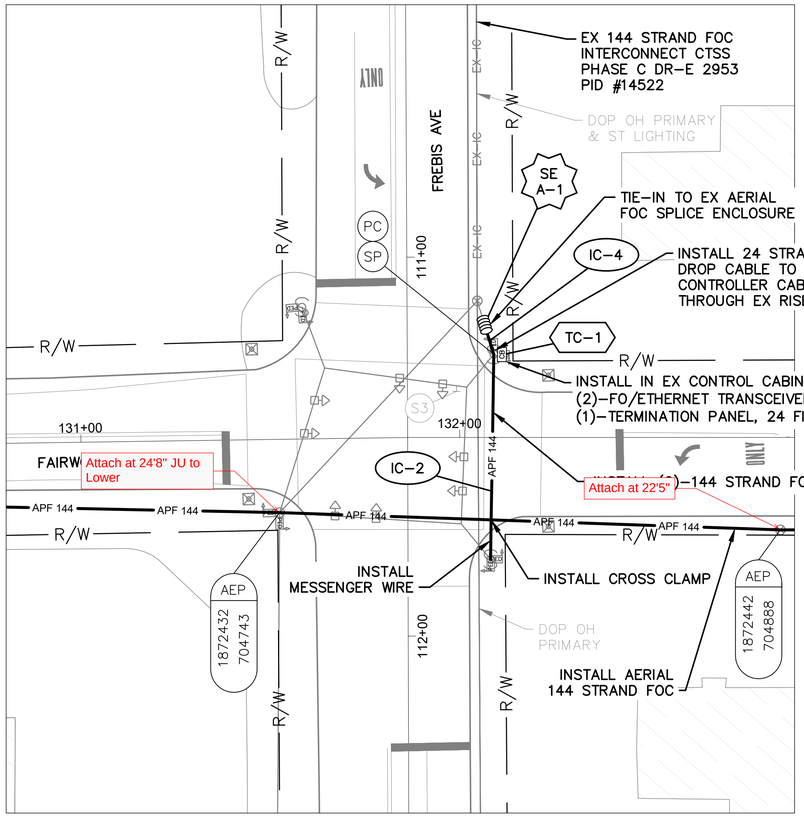
CITY OF COLUMBUS TRAFFIC SIGNAL SYSTEM
(CTSS) PHASE F – FINAL SUBMITTAL

311
768

J:\Jobs\70202 – CTSS Phase F\TECHPROD\Sheets\CTSS_PhF_Trunk4_FAIRWOOD_2_INTERCONNECT.dwg – FAIRWOOD-10 layout ~ last saved by: gburch 05/31/2022 10:53am ~ printed 06/02/2022 11:23am PSLTS: 1 LTS: 1 CAS: 1:1

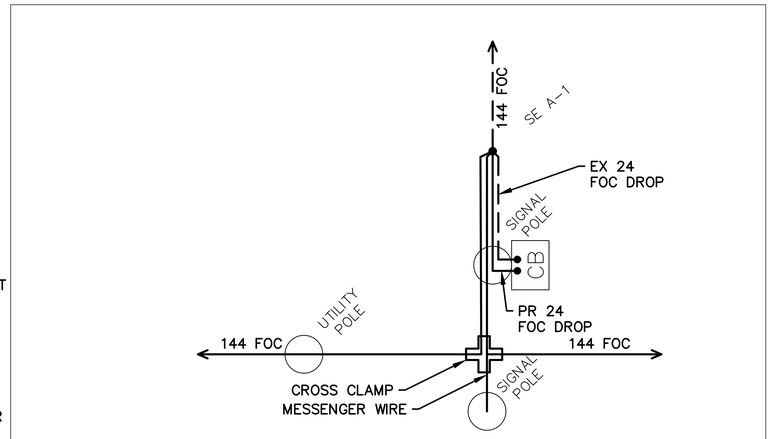


FAIRWOOD AVE BETWEEN STATION 127+00 AND 133+00



DETAIL - INT 2133

0 20 40
HORIZONTAL
SCALE IN FEET



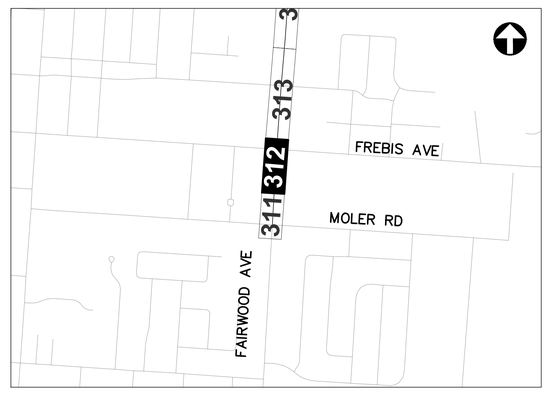
CABLE SCHEMATIC - INT 2133
NOT TO SCALE

NOTES:

1. SEE SHEET 318 FOR QUANTITIES.
2. SEE SHEETS 476 & 629 FOR COMMUNICATION DETAILS.

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CITY OF COLUMBUS UTILITY LEGEND
- ☐ SEWER
- ☐ WATER
- ☒ POWER
- ☒ LIGHTING



REFER TO SHEET 240 FOR
INTERCONNECT SHEET INDEX

KEY PLAN
NOT TO SCALE

0 40 80
HORIZONTAL
SCALE IN FEET

CIP: 540007–100060
PID NUMBER: 110521

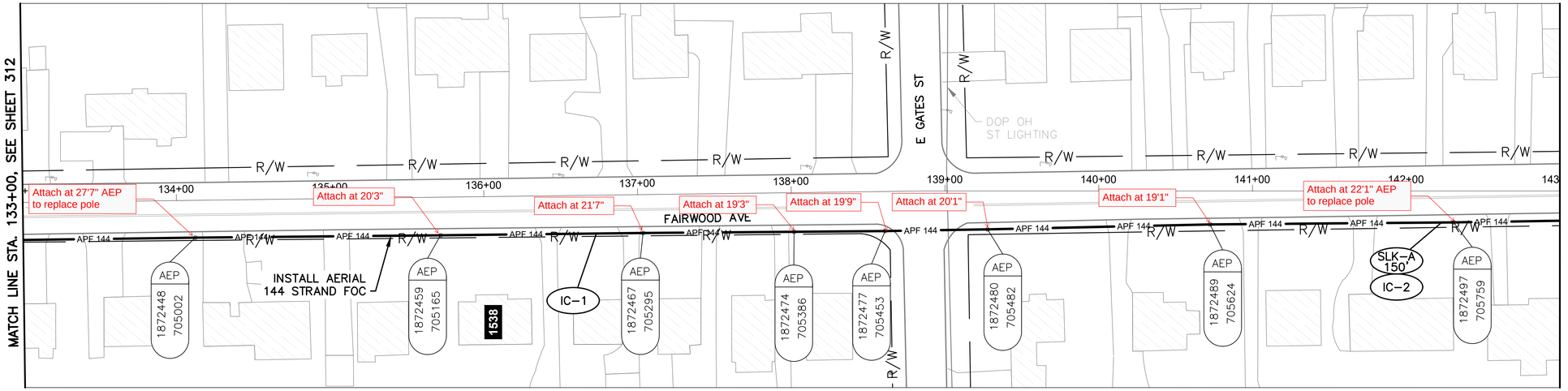
INTERCONNECT PLAN
FAIRWOOD AVE BETWEEN STA. 127+00 AND 133+00, INT 2133

CITY OF COLUMBUS TRAFFIC SIGNAL SYSTEM
(CTSS) PHASE F – FINAL SUBMITTAL

312
768

3676-E

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FAIRWOOD AVE BETWEEN STATION 133+00 AND 143+00

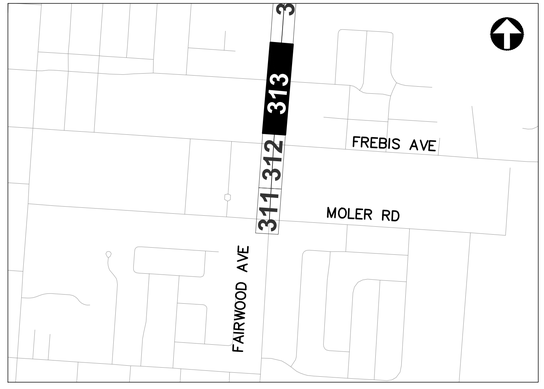
NOTES:

1. SEE SHEET 318 FOR QUANTITIES.
2. SEE SHEET 476 FOR COMMUNICATION DETAILS.

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CITY OF COLUMBUS UTILITY LEGEND

- ☐ SEWER
- ☐ WATER
- ☐ POWER
- ☒ LIGHTING



REFER TO SHEET 238 FOR INTERCONNECT SHEET INDEX

KEY PLAN
NOT TO SCALE

3676-E

HORIZONTAL SCALE IN FEET
0 40 80

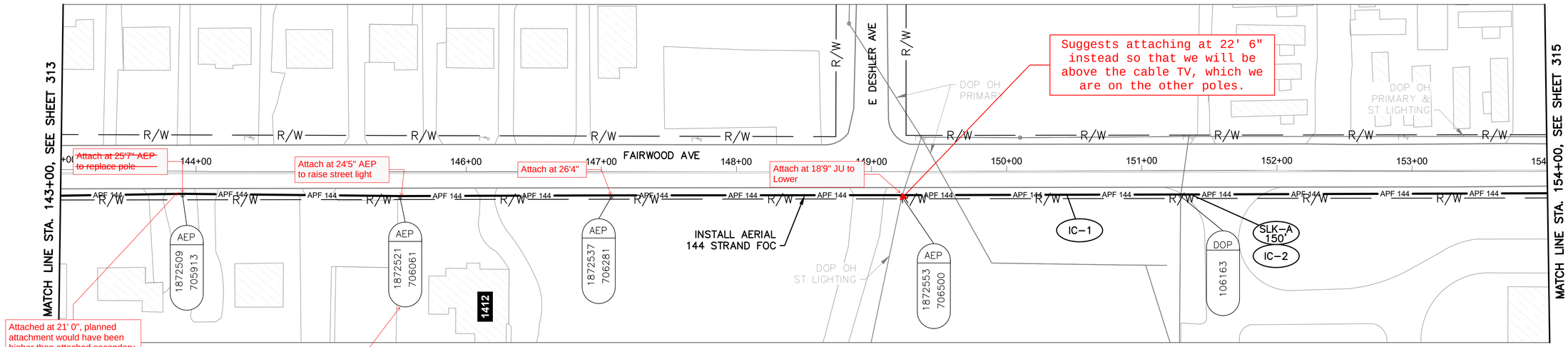
CIP: 540007-100060
PID NUMBER: 110521

INTERCONNECT PLAN
FAIRWOOD AVE BETWEEN STA. 133+00 AND 143+00

CITY OF COLUMBUS TRAFFIC SIGNAL SYSTEM
(CTSS) PHASE F - FINAL SUBMITTAL

313
768

J:\Jobs\70202 - CTSS Phase F\TECHPROD\Sheets\CTSS_PhF_Trunk4_FAIRWOOD_2_INTERCONNECT.dwg - FAIRWOOD-11 layout ~ last saved by: gburch 05/31/2022 10:53am ~ printed 06/02/2022 11:24am PSLTS: 1 LTS: 1 CAS: 1:1



FAIRWOOD AVE BETWEEN STATION 143+00 AND 154+00

NOTES:

1. SEE SHEET 318 FOR QUANTITIES.
2. SEE SHEET 476 FOR COMMUNICATION DETAILS.

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CITY OF COLUMBUS UTILITY LEGEND

- ☐ SEWER
- ☐ WATER
- ☒ POWER
- ☒ LIGHTING



REFER TO SHEET 238 FOR INTERCONNECT SHEET INDEX

KEY PLAN
NOT TO SCALE

3676-E

HORIZONTAL SCALE IN FEET
0 40 80

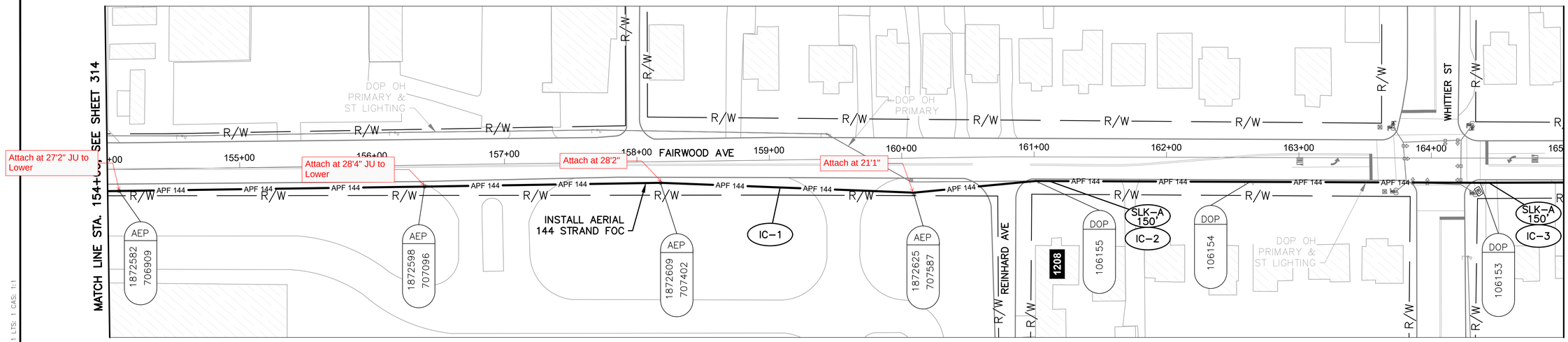
CIP: 540007-100060
PID NUMBER: 110521

INTERCONNECT PLAN
FAIRWOOD AVE BETWEEN STA. 143+00 AND 154+00

CITY OF COLUMBUS TRAFFIC SIGNAL SYSTEM
(CTSS) PHASE F - FINAL SUBMITTAL

314
768

J:\Jobs\70202 - CTSS Phase F\TECHPROD\Sheets\CTSS_PhF_Trunk4_FAIRWOOD_2_INTERCONNECT.dwg - FAIRWOOD-12 layout ~ last saved by: gburch 05/31/2022 10:53am ~ printed 06/02/2022 11:25am PSLTS: 1 LTS: 1 CAS: 1:1



FAIRWOOD AVE BETWEEN STATION 154+00 AND 165+00

NOTES:

1. SEE SHEET 318 FOR QUANTITIES.
2. SEE SHEET 476 FOR COMMUNICATION DETAILS.

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www.oups.org

CITY OF COLUMBUS UTILITY LEGEND

- ☐ SEWER
- ☐ WATER
- ☒ POWER
- ☒ LIGHTING



REFER TO SHEET 238 FOR INTERCONNECT SHEET INDEX

KEY PLAN
NOT TO SCALE

HORIZONTAL SCALE IN FEET
0 40 80

CIP: 540007-100060
PID NUMBER: 110521

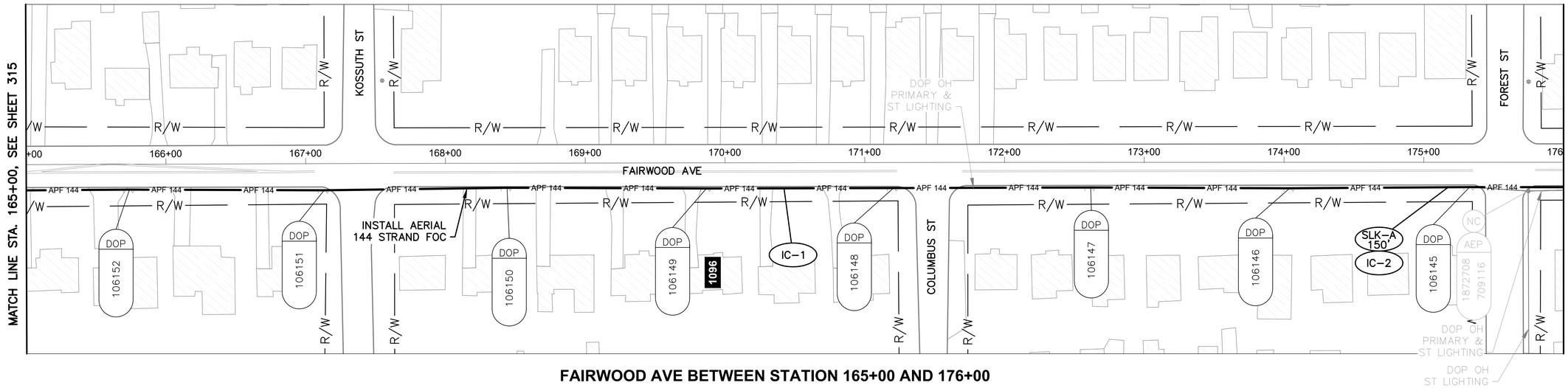
INTERCONNECT PLAN
FAIRWOOD AVE BETWEEN STA. 154+00 AND 165+00

CITY OF COLUMBUS TRAFFIC SIGNAL SYSTEM
(CTSS) PHASE F – FINAL SUBMITTAL

3676-E

315
768

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FAIRWOOD AVE BETWEEN STATION 165+00 AND 176+00

NOTES:

1. SEE SHEET 318 FOR QUANTITIES.
2. SEE SHEET 476 FOR COMMUNICATION DETAILS.

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www.oups.org

CITY OF COLUMBUS UTILITY LEGEND

- SEWER
- WATER
- POWER
- LIGHTING



REFER TO SHEET 238 FOR INTERCONNECT SHEET INDEX

KEY PLAN
NOT TO SCALE

3676-E

HORIZONTAL SCALE IN FEET
0 40 80

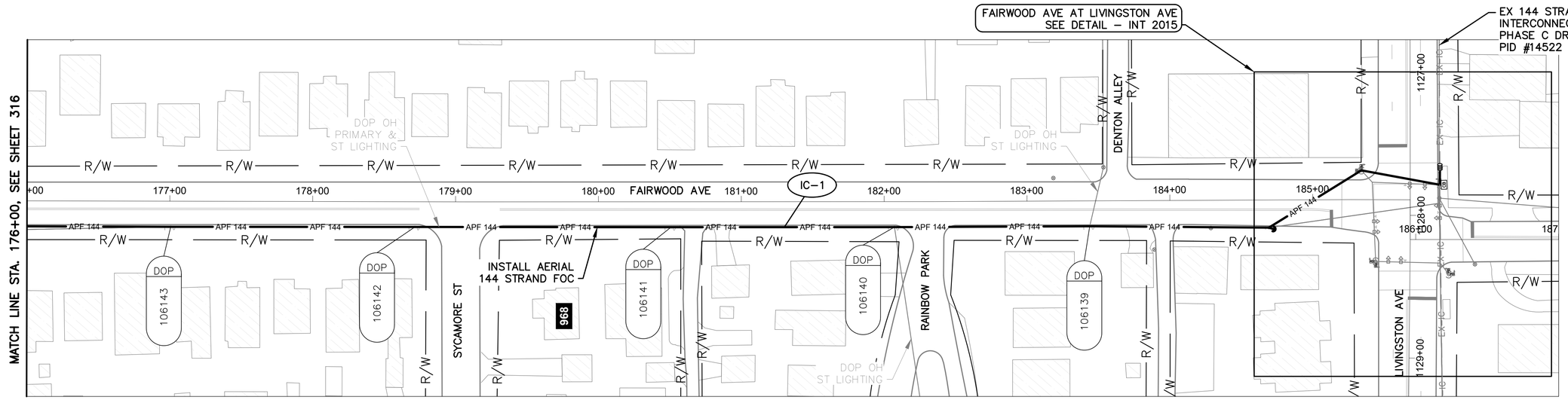
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PID NUMBER: 110521

INTERCONNECT PLAN
FAIRWOOD AVE BETWEEN STA. 165+00 AND 176+00

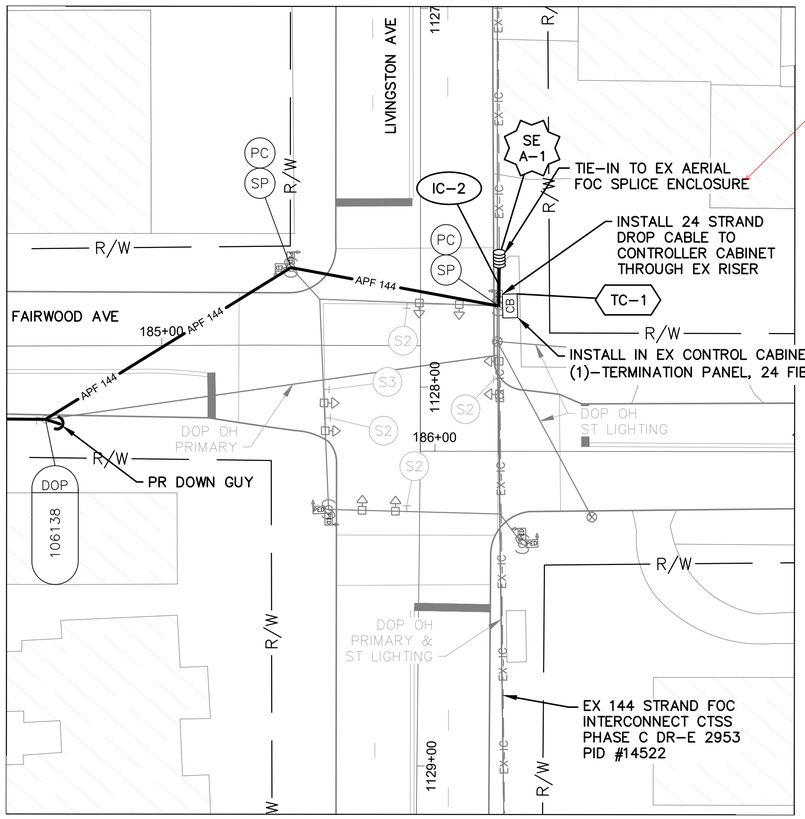
CITY OF COLUMBUS TRAFFIC SIGNAL SYSTEM
(CTSS) PHASE F - FINAL SUBMITTAL

316
768

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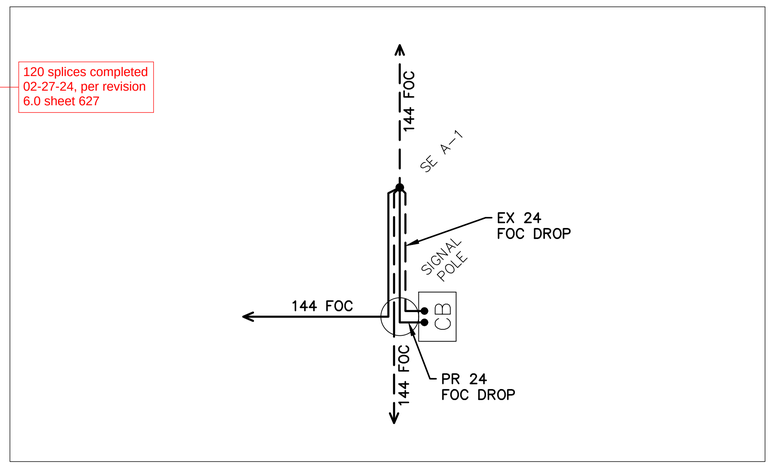
FAIRWOOD AVE BETWEEN STATION 176+00 AND 187+00



DETAIL - INT 2015

0 20 40
HORIZONTAL
SCALE IN FEET

120 splices completed
02-27-24, per revision
6.0 sheet 627



CABLE SCHEMATIC - INT 2015
NOT TO SCALE

NOTES:

1. SEE SHEET 318 FOR QUANTITIES.
2. SEE SHEETS 476 & 627 FOR COMMUNICATION DETAILS.
3. PROPOSED COMMUNICATIONS CONTINUE EAST TO NODE #070103.1. SEE SHEETS 476, 628 & 705 FOR CONTINUATION.

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CITY OF COLUMBUS UTILITY LEGEND
- ☐ SEWER
- ☐ WATER
- ☒ POWER
- ☒ LIGHTING



REFER TO SHEET 238 FOR
INTERCONNECT SHEET INDEX

KEY PLAN
NOT TO SCALE

0 40 80
HORIZONTAL
SCALE IN FEET

CIP: 540007–100060
PID NUMBER: 110521

INTERCONNECT PLAN
FAIRWOOD AVE BETWEEN STA. 176+00 AND 187+00, INT 2015

CITY OF COLUMBUS TRAFFIC SIGNAL SYSTEM
(CTSS) PHASE F – FINAL SUBMITTAL

3676-E

317
768

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ESTIMATED QUANTITIES

	REFERENCE NO.	LOCATION	STATION		632 CONDUIT RISER, 2", 725.04, AS PER PLAN	632 DOWN GUY	632 INTERCONNECT CABLE, MISC.: FIBER OPTIC CABLE, 144 STRAND	632 INTERCONNECT CABLE, MISC.: FIBER OPTIC DROP CABLE, 24 STRAND	632 INTERCONNECT CABLE, MISC.: FIBER OPTIC FUSION SPLICE	632 INTERCONNECT CABLE, MISC.: TERMINATION PANEL, 24 FIBER	632 INTERCONNECT, MISC.: SPLICE ENCLOSURE, DOME, 288 SPLICE	632 MESSENGER WIRE, 7 STRAND, 1/4" DIAMETER WITH ACCESSORIES, AS PER PLAN	632 SIGNALIZATION, MISC.: CELLULAR ETHERNET COMMUNICATIONS UNIT	633 CONTROLLER ITEM, MISC.: FIBER OPTIC ETHERNET TRANSCEIVER, SHORT RANGE	633 CONTROLLER ITEM, MISC.: LAYER 2 ETHERNET SWITCH	633 CONTROLLER UNIT, TYPE TS2/A2, AS PER PLAN								
			FROM	TO	EACH	EACH	FT	FT	EACH	EACH	EACH	FT	EACH	EACH	EACH	EACH									
FAIRWOOD AVE., INT 2136																									
310	TC-1	FAIRWOOD AVE	24+59, 25' RT										1		1	1									
FAIRWOOD AVE. BETWEEN STA. 122+00 AND 127+00, INT 2134																									
311	TC-1	FAIRWOOD AVE	123+22, 22' RT		2			20		1				1	1	1									
311	IC-2	FAIRWOOD AVE	123+22, 22' RT	123+90, 19' RT				69				69													
311	SE A-1	FAIRWOOD AVE	123+90, 19' RT				75	125	12		1														
311	IC-1	FAIRWOOD AVE	123+90, 19' RT	127+00, 15' RT			315					315													
FAIRWOOD AVE. BETWEEN STA. 127+00 AND 133+00, INT 2133																									
312	IC-1	FAIRWOOD AVE	127+00, 15' RT	132+08, 22' RT			516					516													
312	IC-3	FAIRWOOD AVE	132+06, 30' LT	132+08, 22' RT			104					52													
312	SE A-1	FAIRWOOD AVE	132+06, 30' LT				150	125	168																
312	IC-4	FAIRWOOD AVE	132+06, 30' LT	132+08, 22' LT				8				8													
312	TC-1	FAIRWOOD AVE	132+08, 22' LT					20		1				2											
312	IC-2	FAIRWOOD AVE	132+08, 22' RT	133+00, 24' RT			93					93													
FAIRWOOD AVE. BETWEEN STA. 133+00 AND 143+00																									
313	IC-1	FAIRWOOD AVE	133+00, 24' RT	143+00, 19' RT			1,015					1,015													
313	IC-2	FAIRWOOD AVE	142+23, 20' RT				150																		
FAIRWOOD AVE. BETWEEN STA. 143+00 AND 154+00																									
314	IC-1	FAIRWOOD AVE	143+00, 19' RT	154+00, 16' RT			1,118					1,118													
314	IC-2	FAIRWOOD AVE	151+36, 18' RT				150																		
FAIRWOOD AVE. BETWEEN STA. 154+00 AND 165+00																									
315	IC-1	FAIRWOOD AVE	154+00, 16' RT	164+46, 19' RT			1,063					1,063													
315	IC-2	FAIRWOOD AVE	161+11, 18' RT				150																		
315	IC-3	FAIRWOOD AVE	164+43, 19' RT				150																		
FAIRWOOD AVE. BETWEEN STA. 165+00 AND 176+00																									
316	IC-1	FAIRWOOD AVE	165+00, 18' RT	176+00, 18' RT			1,117					1,117													
316	IC-2	FAIRWOOD AVE	175+17, 18' RT				150																		
FAIRWOOD AVE. BETWEEN STA. 176+00 AND 187+00, INT 2015																									
317	IC-1	FAIRWOOD AVE	176+00, 18' LT	186+16, 51' LT		1	1,029					1,029													
317	SE A-1	FAIRWOOD AVE	186+16, 51' LT				75	125	144																
317	IC-2	FAIRWOOD AVE	186+16, 51' LT	186+17, 38' LT				12				12													
317	TC-1	FAIRWOOD AVE	186+17, 38' LT					20		1															
SHEET TOTAL					2	1	7,420	524	324	3	1	6,407	1	3	2	2	-	-	-	-	-	-	-	-	

AERIAL SAG: 1.5% AERIAL SAG IS INCLUDED IN THE QUANTITIES FOR ANY AERIAL FIBER OR CABLE ITEMS.

3676-E

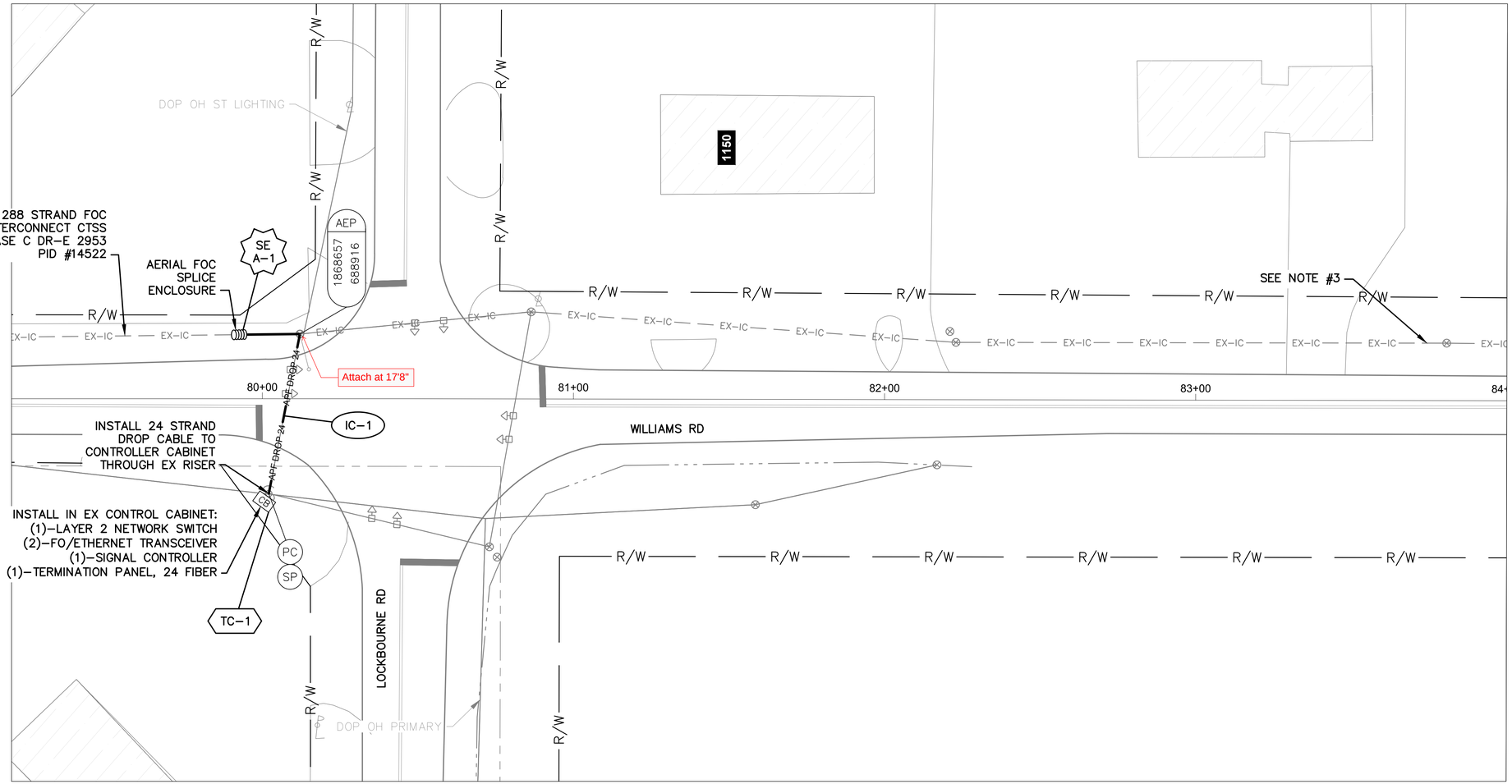
CIP: 540007–100060
PID NUMBER: 110521

FAIRWOOD AVE BETWEEN STA. 122+00 & 187+00
INTS 2136, 2134, 2133 AND 2015

CITY OF COLUMBUS TRAFFIC SIGNAL SYSTEM
(CTSS) PHASE F – FINAL SUBMITTAL

318
768

J:\Jobs\70202 – CTSS Phase F\TECHPROD\Sheets\CTSS_PhF_Trunk4_FAIRWOOD_IC_QUANTITIES.dwg – FAIRWOOD Q3 layout ~ last saved by: gburch 05/31/2022 10:53am ~ printed 06/02/2022 01:48pm PSLTS: 1 LTS: 1 CAS: 1:1



DETAIL - INT 2084

0 20 40

HORIZONTAL SCALE IN FEET

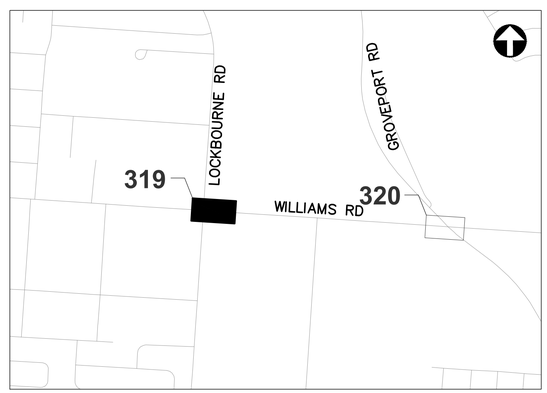
NOTES:

1. SEE SHEET 321 FOR QUANTITIES.
2. SEE SHEETS 481 & 655 FOR COMMUNICATION DETAILS.
3. MOVE SLACK FROM STA 83+75 TO PROPOSED SPLICE LOCATION SHOWN IN ORDER TO SPLICE INTO EXISTING FIBER.

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CITY OF COLUMBUS UTILITY LEGEND

- ☐ SEWER
- ☐ WATER
- ☒ POWER
- ☒ LIGHTING



REFER TO SHEET 240 FOR INTERCONNECT SHEET INDEX

KEY PLAN
NOT TO SCALE

3676-E

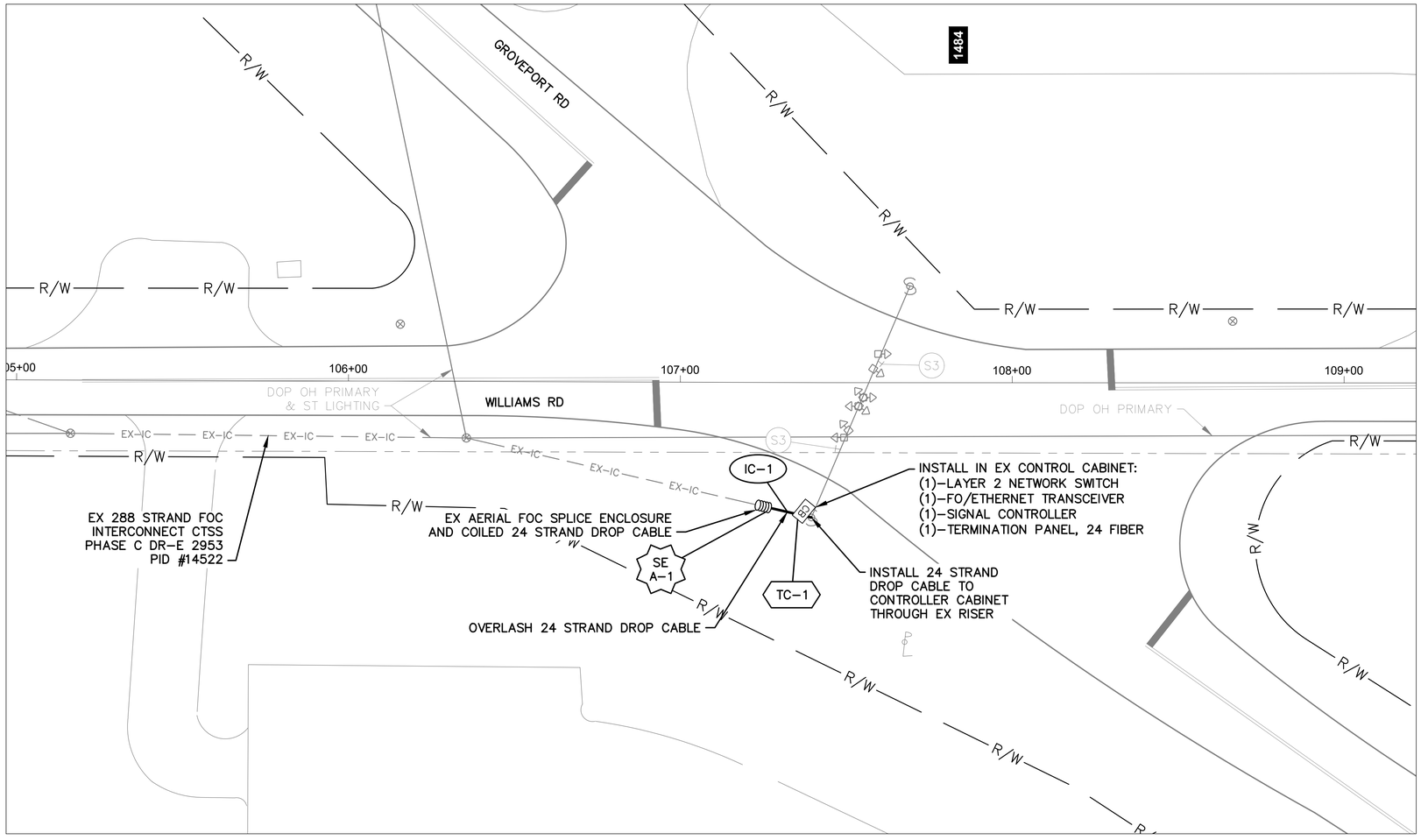
0 40 80
HORIZONTAL SCALE IN FEET

CIP: 540007-100060
PID NUMBER: 110521

INTERCONNECT PLAN
INT 2084 - WILLIAMS ROAD AT LOCKBOURNE ROAD

CITY OF COLUMBUS TRAFFIC SIGNAL SYSTEM
(CTSS) PHASE F - FINAL SUBMITTAL

J:\Jobs\70202 - CTSS Phase F\TECHPROD\Sheets\CTSS_PhF_Trunk4_WILLIAMS_INTERCONNECT.dwg ~ WILLIAMS-1 layout ~ last saved by: gburch 05/31/2022 10:53am ~ printed 06/02/2022 11:28am PSLTS: 1 LTS: 1 CAS: 1:1



DETAIL - INT 2085

0 20 40

HORIZONTAL SCALE IN FEET

NOTES:

1. SEE SHEET 321 FOR QUANTITIES.
2. SEE SHEETS 481 & 656 FOR COMMUNICATION DETAILS.



REFER TO SHEET 240 FOR INTERCONNECT SHEET INDEX

KEY PLAN
NOT TO SCALE

CITY OF COLUMBUS UTILITY LEGEND

- ☐ SEWER
- ☐ WATER
- ☒ POWER
- ☒ LIGHTING

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0 40 80

HORIZONTAL SCALE IN FEET

CIP: 540007-100060
PID NUMBER: 110521

INTERCONNECT PLAN
INT 2085 – WILLIAMS ROAD AT GROVEPORT ROAD

CITY OF COLUMBUS TRAFFIC SIGNAL SYSTEM
(CTSS) PHASE F – FINAL SUBMITTAL

320
768

3676-E

J:\Jobs\70202 - CTSS Phase F\TECHPROD\Sheets\CTSS_PhF_Trunk4_WILLIAMS_INTERCONNECT.dwg - WILLIAMS-2 layout ~ last saved by: gburch 05/31/2022 10:53am ~ printed 06/02/2022 11:29am PSLTS: 1 LTS: 1 CAS: 1:1

ESTIMATED QUANTITIES

SHEET NO.	REFERENCE NO.	LOCATION	STATION		632 INTERCONNECT CABLE, MISC.: FIBER OPTIC DROP CABLE, 24 STRAND	632 INTERCONNECT CABLE, MISC.: FIBER OPTIC FUSION SPLICE	632 INTERCONNECT CABLE, MISC.: OVERLASH TO EXISTING INTERCONNECT	632 INTERCONNECT CABLE, MISC.: TERMINATION PANEL, 24 FIBER	632 INTERCONNECT, MISC.: SPLICE ENCLOSURE, DOME, 288 SPLICE	632 MESSENGER WIRE, 7 STRAND, 1/4" DIAMETER WITH ACCESSORIES, AS PER PLAN	633 CONTROLLER ITEM, MISC.: FIBER OPTIC ETHERNET TRANSCEIVER, SHORT RANGE	633 CONTROLLER ITEM, MISC.: LAYER 2 ETHERNET SWITCH	633 CONTROLLER UNIT, TYPE TS2/A2, AS PER PLAN										
			FROM	TO	FT	EACH	FT	EACH	EACH	FT	EACH	EACH	EACH									
WILLIAMS RD., INT 2084																						
319	SE A-1	WILLIAMS RD	79+92, 21' LT		125	24			1													
319	IC-1	WILLIAMS RD	79+92, 21' LT	80+02, 30' RT	73					73												
319	TC-1	WILLIAMS RD	80+02, 30' RT		55			1			2	1	1									
WILLIAMS RD., INT 2085																						
320	SE A-1	WILLIAMS RD	107+25, 37' RT		125	12																
320	IC-1	WILLIAMS RD	107+25, 37' RT	107+39, 41' RT	15		15															
320	TC-1	WILLIAMS RD	107+39, 41' RT		55			1			1	1	1									
SHEET TOTAL					448	36	15	2	1	73	3	2	2	-	-	-	-	-	-	-	-	-

AERIAL SAG: 1.5% AERIAL SAG IS INCLUDED IN THE QUANTITIES FOR ANY AERIAL FIBER OR CABLE ITEMS.

3676-E

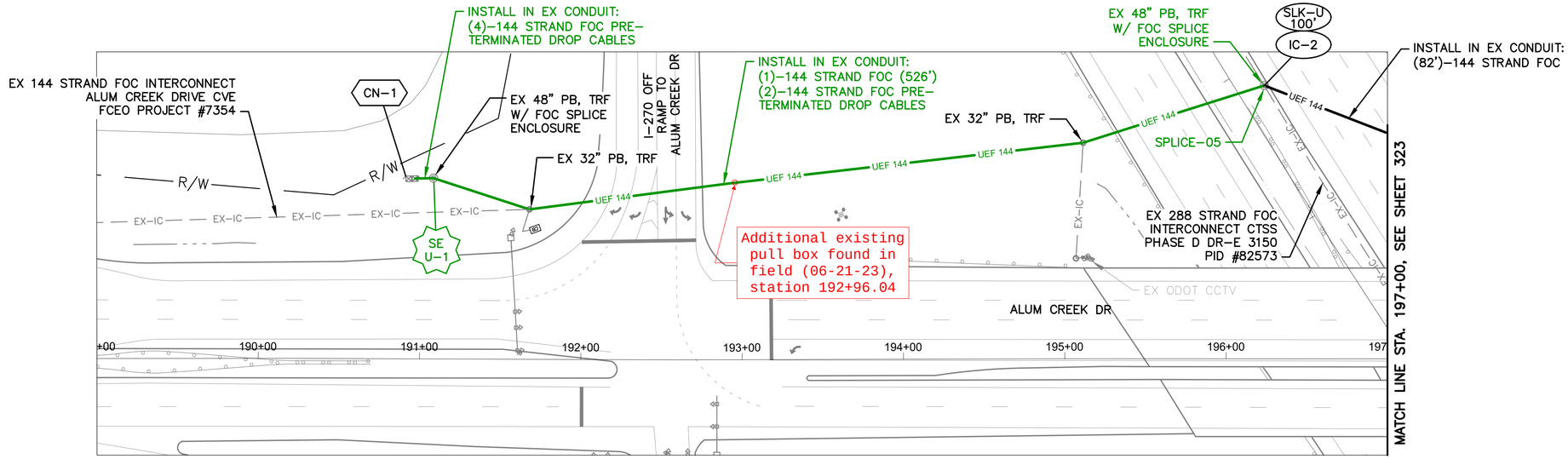
CIP: 540007-100060
PID NUMBER: 110521

WILLIAMS RD
INTS 2084 & 2085

CITY OF COLUMBUS TRAFFIC SIGNAL SYSTEM
(CTSS) PHASE F - FINAL SUBMITTAL

321
768

J:\Jobs\70202 - CTSS Phase F\TECHPROD\Sheets\CTSS_PhF_Trunk4_WILLIAMS_IC_QUANTITIES.dwg - WILLIAMS Q1 layout ~ last saved by: robevans 05/31/2022 10:53am ~ printed 06/02/2022 01:49pm PSLTS: 1 LTS: 1 CAS: 1:1



ALUM CREEK DR BETWEEN STATION 189+00 AND 197+00

NOTES:

1. SEE SHEET 330 FOR QUANTITIES.
2. SEE SHEETS 477, 667C, & 744–747 FOR COMMUNICATION DETAILS.
3. LIMITED ACCESS RIGHT OF WAY IS LOCATED OUTSIDE OF THE EXTENT OF VIEW SHOWN ABOVE.

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CITY OF COLUMBUS UTILITY LEGEND

- [x] SEWER
- [x] WATER
- [ ] POWER
- [ ] LIGHTING

DRAFT REVISION 11.0



REFER TO SHEET 240 FOR INTERCONNECT SHEET INDEX

KEY PLAN
NOT TO SCALE

3676-E

HORIZONTAL SCALE IN FEET
0 40 80

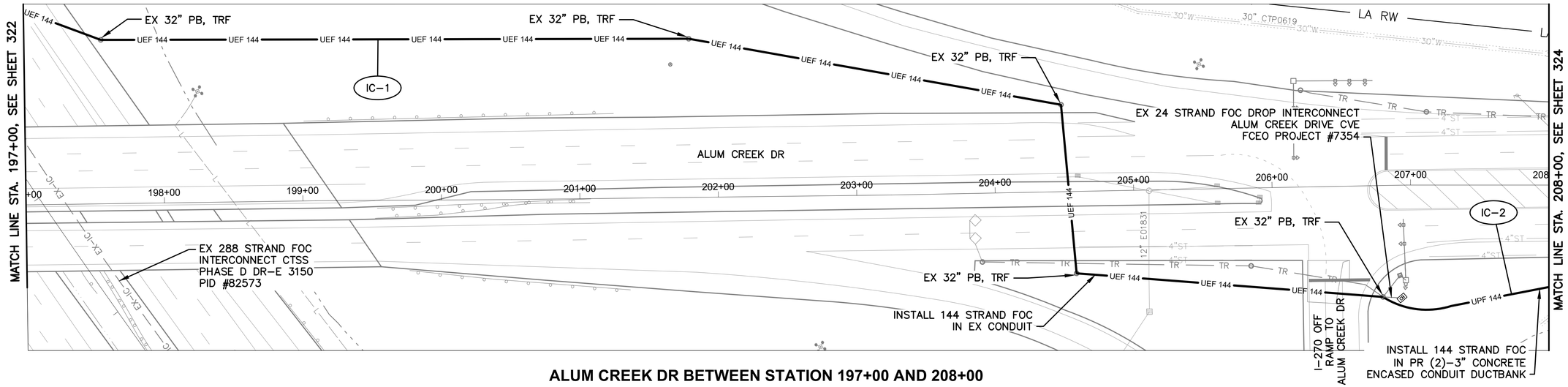
CIP: 540007–100060
PID NUMBER: 110521

INTERCONNECT PLAN
ALUM CREEK DR BETWEEN STA. 189+00 AND 197+00, NODE #270049.0

CITY OF COLUMBUS TRAFFIC SIGNAL SYSTEM
(CTSS) PHASE F – FINAL SUBMITTAL

322
768

\\colw00\PWWork\Jobs\70202 – CTSS Phase F\TECHPROD\Sheets\CTSS_PhF_Trunk4_ALUM CREEK_INTERCONNECT.dwg – ALUM CREEK–0 layout ~ last saved by: nseling 08/02/2024 09:59am ~ printed 08/02/2024 10:00am PSLTS: 1 LTS: 1 CAS: 1:1



ALUM CREEK DR BETWEEN STATION 197+00 AND 208+00

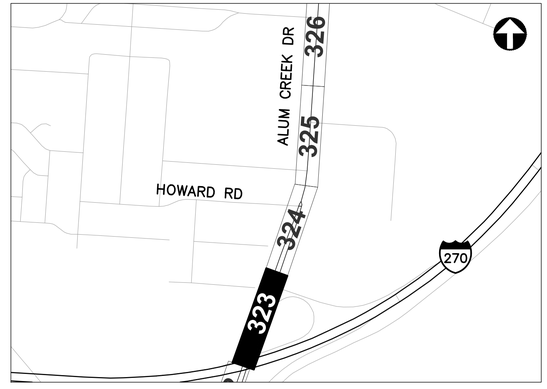
NOTES:

1. SEE SHEET 330 FOR QUANTITIES.
2. SEE SHEET 477 FOR COMMUNICATION DETAILS.
3. LIMITED ACCESS RIGHT OF WAY IS LOCATED OUTSIDE OF THE EXTENT OF VIEW SHOWN ABOVE.

OHIO Utilities Protection SERVICE
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www.oups.org

CITY OF COLUMBUS UTILITY LEGEND

- ☒ SEWER
- ☒ WATER
- ☐ POWER
- ☐ LIGHTING



REFER TO SHEET 240 FOR INTERCONNECT SHEET INDEX

KEY PLAN
NOT TO SCALE

HORIZONTAL SCALE IN FEET
0 40 80

CIP: 540007-100060
PID NUMBER: 110521

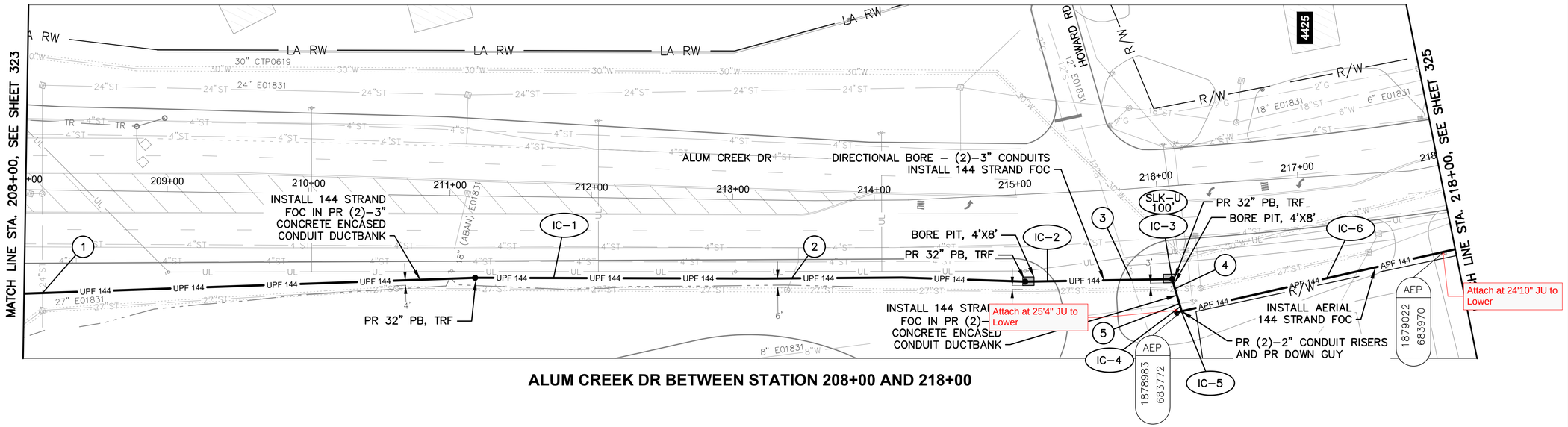
INTERCONNECT PLAN
ALUM CREEK DR BETWEEN STA. 197+00 AND 208+00

CITY OF COLUMBUS TRAFFIC SIGNAL SYSTEM
(CTSS) PHASE F - FINAL SUBMITTAL

3676-E

323
768

J:\Jobs\70202 - CTSS Phase F\TECHPROD\Sheets\CTSS_PhF_Trunk4_ALUM CREEK_INTERCONNECT.dwg - ALUM CREEK-1 layout ~ last saved by: gburch 05/31/2022 10:54am ~ printed 06/02/2022 11:35am PSLTS: 1 LTS: 1 CAS: 1:1



ALUM CREEK DR BETWEEN STATION 208+00 AND 218+00

NOTES:

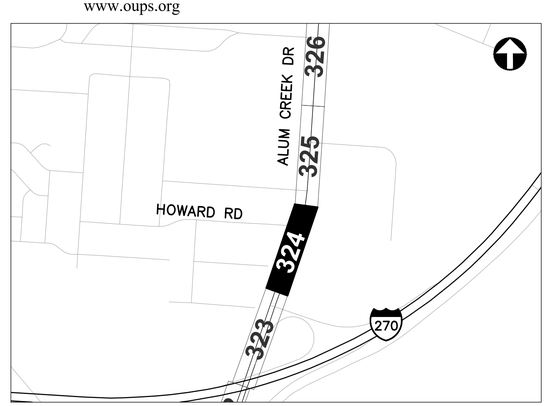
1. SEE SHEET 330 FOR QUANTITIES.
2. SEE SHEET 477 FOR COMMUNICATION DETAILS.
3. LIMITED ACCESS RIGHT OF WAY IS LOCATED OUTSIDE OF THE EXTENT OF VIEW SHOWN ABOVE.

(#) EXISTING UTILITY CROSSING.
SEE UTILITY CROSSING INFO
SHEET 245.

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www.oups.org

CITY OF COLUMBUS
UTILITY LEGEND

- ☒ SEWER
- ☒ WATER
- ☐ POWER
- ☒ LIGHTING



REFER TO SHEET 240 FOR
INTERCONNECT SHEET INDEX

KEY PLAN
NOT TO SCALE

3676-E

HORIZONTAL SCALE IN FEET
0 40 80

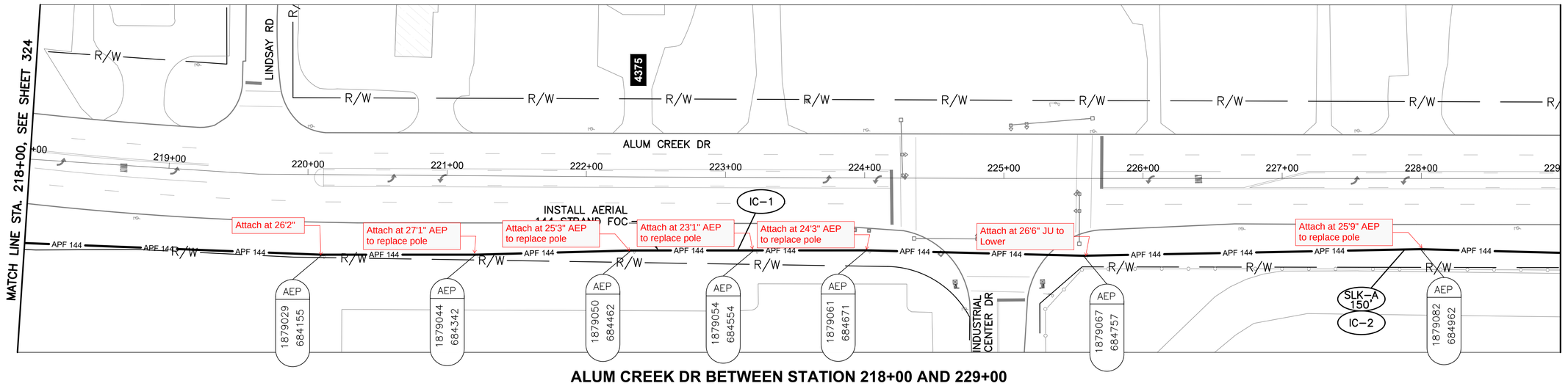
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PID NUMBER: 110521

INTERCONNECT PLAN
ALUM CREEK DR BETWEEN STA. 208+00 AND 218+00

CITY OF COLUMBUS TRAFFIC SIGNAL SYSTEM
(CTSS) PHASE F – FINAL SUBMITTAL

324
768

J:\Jobs\70202 – CTSS Phase F\TECHPROD\Sheets\CTSS_PhF_Trunk4_ALUM CREEK_INTERCONNECT.dwg – ALUM CREEK–2 layout ~ last saved by: gburch 05/31/2022 10:54am ~ printed 06/02/2022 11:35am PSLTS: 1 LTS: 1 CAS: 1:1



ALUM CREEK DR BETWEEN STATION 218+00 AND 229+00

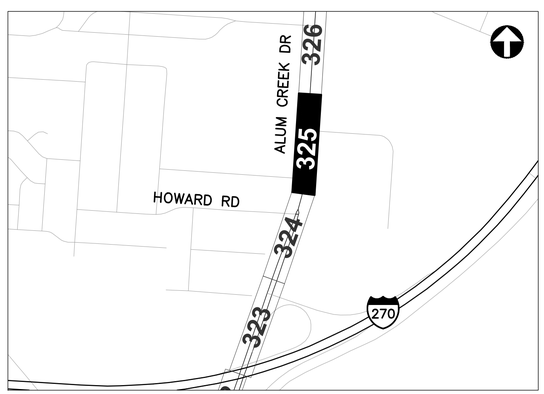
NOTES:

1. SEE SHEET 330 FOR QUANTITIES.
2. SEE SHEET 477 FOR COMMUNICATION DETAILS.

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CITY OF COLUMBUS UTILITY LEGEND

- ☐ SEWER
- ☐ WATER
- ☐ POWER
- ☐ LIGHTING



REFER TO SHEET 240 FOR INTERCONNECT SHEET INDEX

KEY PLAN
NOT TO SCALE

3676-E

HORIZONTAL SCALE IN FEET
0 40 80

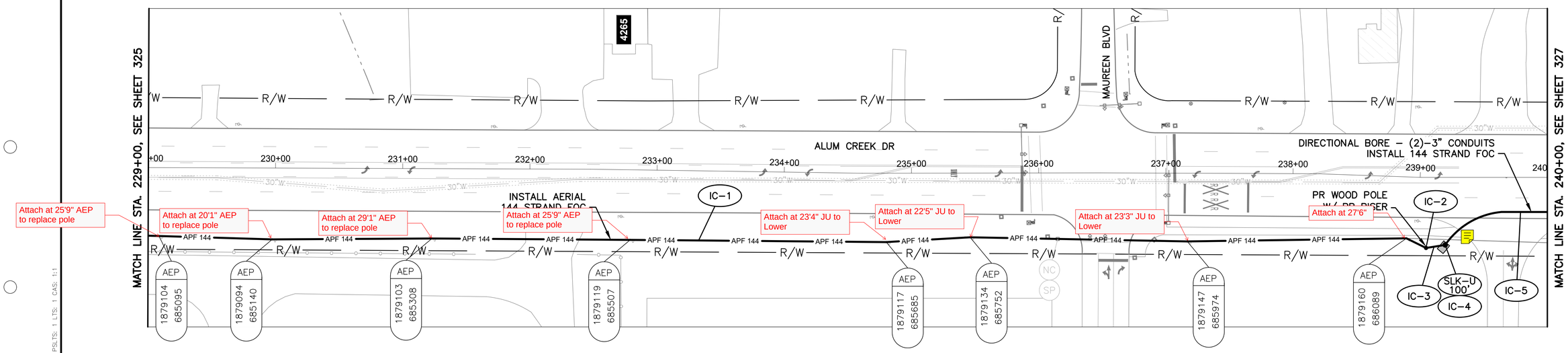
CIP: 540007-100060
PID NUMBER: 110521

INTERCONNECT PLAN
ALUM CREEK DR BETWEEN STA. 218+00 AND 229+00

CITY OF COLUMBUS TRAFFIC SIGNAL SYSTEM
(CTSS) PHASE F – FINAL SUBMITTAL

325
768

J:\Jobs\70202 – CTSS Phase F\TECHPROD\Sheets\CTSS_PhF_Trunk4_ALUM CREEK_INTERCONNECT.dwg – ALUM CREEK-3 layout ~ last saved by: gburch 05/31/2022 10:54am ~ printed 06/02/2022 11:36am PSLTS: 1 LTS: 1 CAS: 1:1



ALUM CREEK DR BETWEEN STATION 229+00 AND 240+00

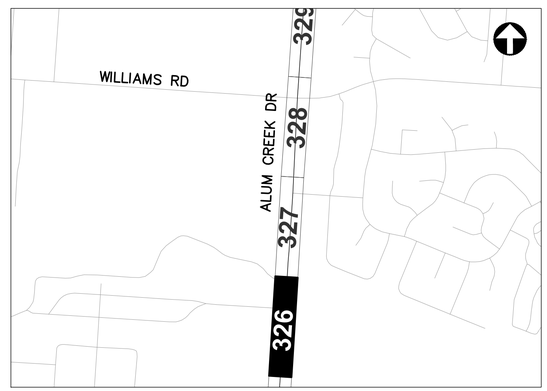
NOTES:

1. SEE SHEET 330 FOR QUANTITIES.
2. SEE SHEET 477 FOR COMMUNICATION DETAILS.

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CITY OF COLUMBUS UTILITY LEGEND

- ☐ SEWER
- ☐ WATER
- ☐ POWER
- ☐ LIGHTING



REFER TO SHEET 240 FOR INTERCONNECT SHEET INDEX

KEY PLAN
NOT TO SCALE

3676-E

HORIZONTAL SCALE IN FEET
0 40 80

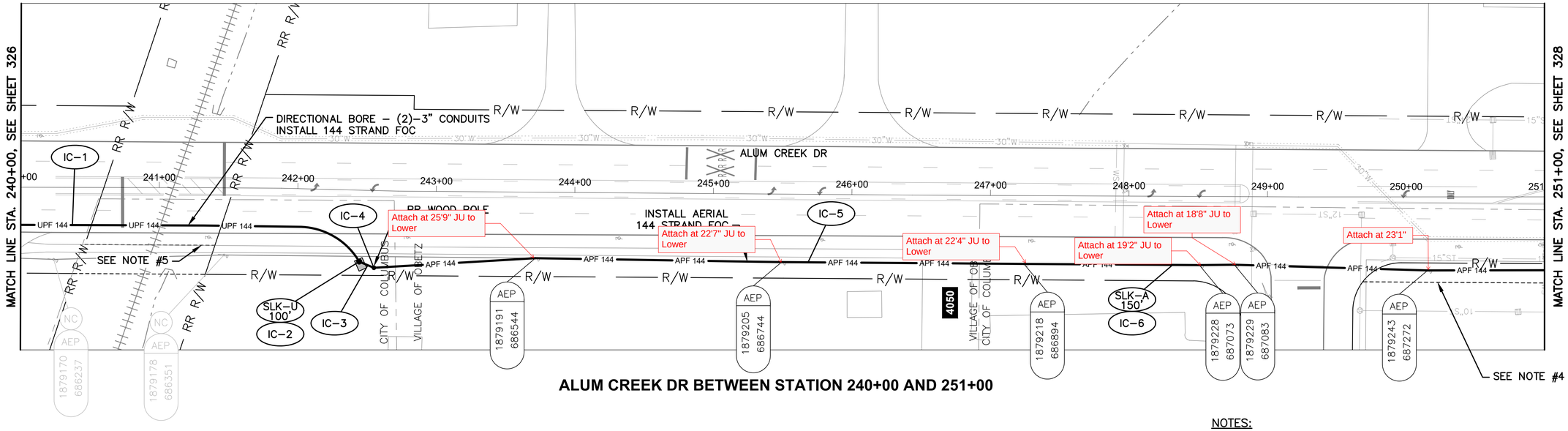
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PID NUMBER: 110521

INTERCONNECT PLAN
ALUM CREEK DR BETWEEN STA. 229+00 AND 240+00

CITY OF COLUMBUS TRAFFIC SIGNAL SYSTEM
(CTSS) PHASE F – FINAL SUBMITTAL

326
768

J:\Jobs\70202 – CTSS Phase F\TECHPROD\Sheets\CTSS_PhF_Trunk4_ALUM CREEK_INTERCONNECT.dwg – ALUM CREEK–4 layout ~ last saved by: gburch 05/31/2022 10:54am ~ printed 06/02/2022 11:37am PSLTS: 1 LTS: 1 CAS: 1:1



ALUM CREEK DR BETWEEN STATION 240+00 AND 251+00

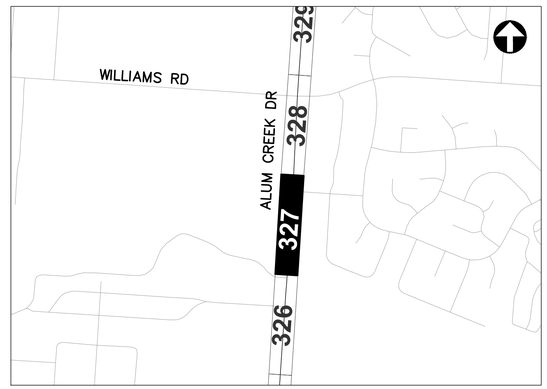
NOTES:

1. SEE SHEET 330 FOR QUANTITIES.
2. SEE SHEET 477 FOR COMMUNICATION DETAILS.
3. RAILROAD CROSSING AT STA 240+92.87, 50' RT SEE SHEET 25 FOR RAILROAD COORDINATION DETAILS.
4. EXISTING STATE OF OHIO DEPARTMENT OF TRANSPORTATION EASEMENT, INSTRUMENT #200304170112989.
5. EXISTING VILLAGE OF OBETZ EASEMENT, INSTRUMENT #200309040281417.

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CITY OF COLUMBUS UTILITY LEGEND

- ☐ SEWER
- ☐ WATER
- ☐ POWER
- ☐ LIGHTING



REFER TO SHEET 240 FOR INTERCONNECT SHEET INDEX

KEY PLAN
NOT TO SCALE

HORIZONTAL SCALE IN FEET
0 40 80

CIP: 540007–100060
PID NUMBER: 110521

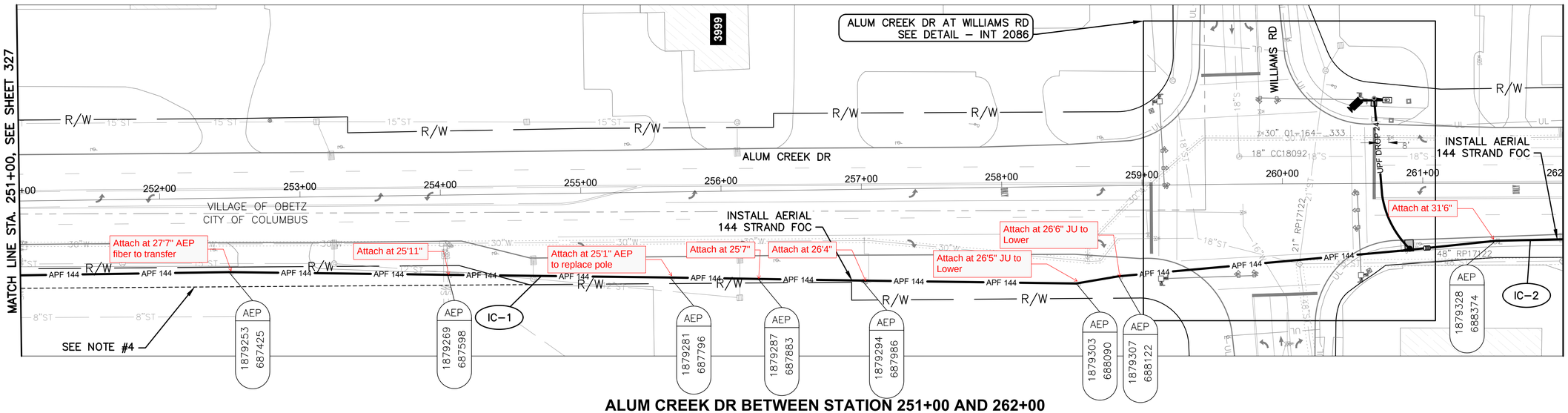
INTERCONNECT PLAN
ALUM CREEK DR BETWEEN STA. 240+00 AND 251+00

CITY OF COLUMBUS TRAFFIC SIGNAL SYSTEM
(CTSS) PHASE F – FINAL SUBMITTAL

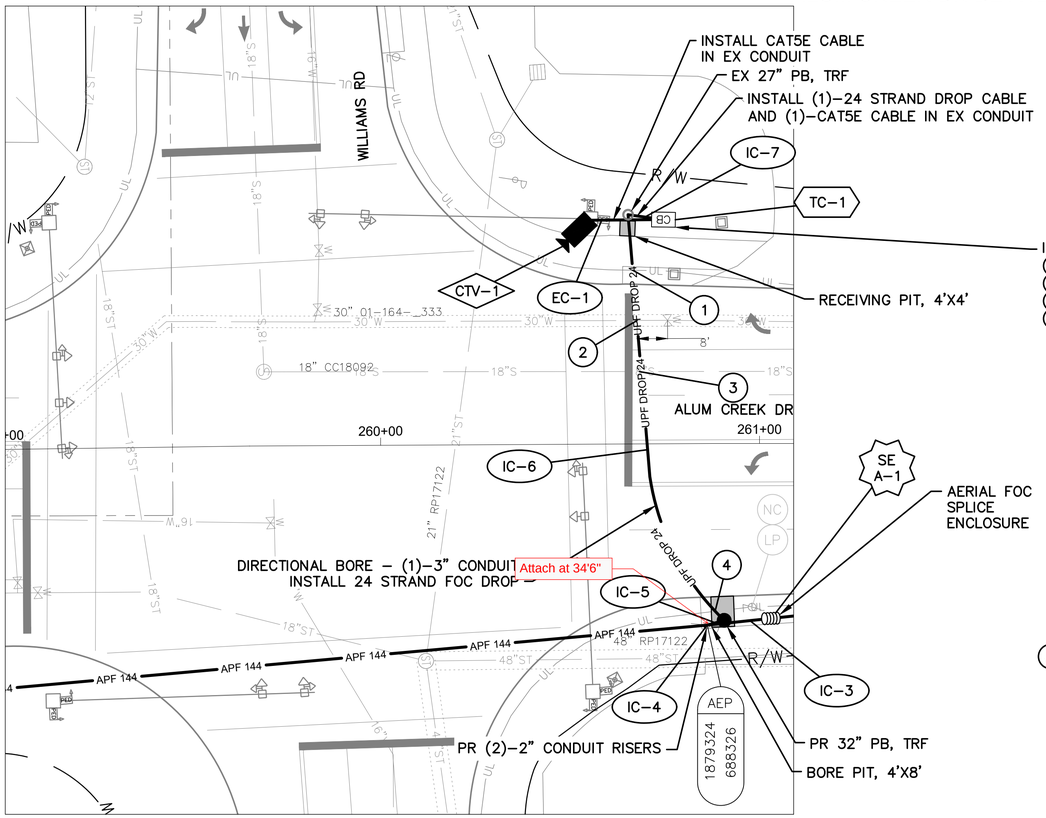
327
768

3676-E

J:\Jobs\70202 – CTSS Phase F\TECHPROD\Sheets\CTSS_PhF_Trunk4_ALUM CREEK_INTERCONNECT.dwg – ALUM CREEK–5 layout ~ last saved by: gburch 05/31/2022 10:54am ~ printed 06/02/2022 11:38am PSLTS: 1 LTS: 1 CAS: 1:1



ALUM CREEK DR BETWEEN STATION 251+00 AND 262+00



DETAIL - INT 2086

0 20 40
HORIZONTAL SCALE IN FEET

NOTES:

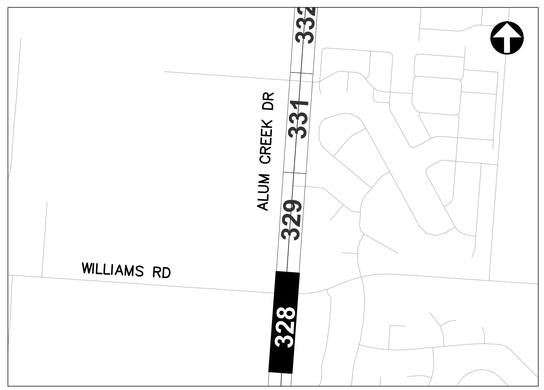
1. SEE SHEET 330 FOR QUANTITIES.
2. SEE SHEETS 477 & 640 FOR COMMUNICATION DETAILS.
3. SEE SHEET 50 FOR CCTV MOUNTING DETAILS.
4. EXISTING STATE OF OHIO DEPARTMENT OF TRANSPORTATION EASEMENT, INSTRUMENT #200304170112989.

(#) EXISTING UTILITY CROSSING. SEE UTILITY CROSSING INFO SHEET 245.

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CITY OF COLUMBUS UTILITY LEGEND

☒	SEWER
☒	WATER
☐	POWER
☒	LIGHTING



REFER TO SHEET 240 FOR INTERCONNECT SHEET INDEX

KEY PLAN
NOT TO SCALE

0 40 80
HORIZONTAL SCALE IN FEET

CIP: 540007–100060
PID NUMBER: 110521

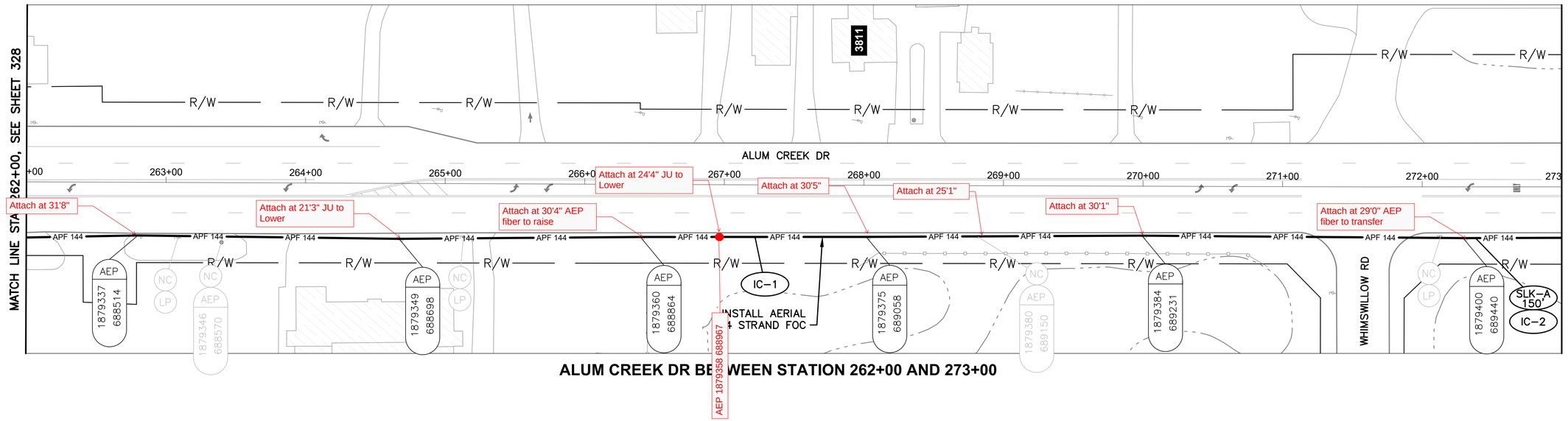
INTERCONNECT PLAN
ALUM CREEK DR BETWEEN STA. 251+00 AND 262+00, INT 2086

CITY OF COLUMBUS TRAFFIC SIGNAL SYSTEM
(CTSS) PHASE F – FINAL SUBMITTAL

328
768

3676-E

J:\Jobs\70202 – CTSS Phase F\TECHPROD\Sheets\CTSS_PhF_Trunk4_ALUM CREEK_INTERCONNECT.dwg – ALUM CREEK–6 layout ~ last saved by: gburch 05/31/2022 10:54am ~ printed 06/02/2022 11:39am PSLTS: 1 LTS: 1 CAS: 1:1



ALUM CREEK DR BETWEEN STATION 262+00 AND 273+00

NOTES:

1. SEE SHEET 330 FOR QUANTITIES.
2. SEE SHEET 477 FOR COMMUNICATION DETAILS.

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CITY OF COLUMBUS UTILITY LEGEND

- ☐ SEWER
- ☐ WATER
- ☐ POWER
- ☐ LIGHTING



REFER TO SHEET 240 FOR INTERCONNECT SHEET INDEX

KEY PLAN
NOT TO SCALE

HORIZONTAL SCALE IN FEET
0 40 80

CIP: 540007-100060
PID NUMBER: 110521

INTERCONNECT PLAN
ALUM CREEK DR BETWEEN STA. 262+00 AND 273+00

CITY OF COLUMBUS TRAFFIC SIGNAL SYSTEM
(CTSS) PHASE F – FINAL SUBMITTAL

329
768

3676-E

J:\Jobs\70202 - CTSS Phase F\TECHPROD\Sheets\CTSS_PhF_Trunk4_ALUM CREEK_INTERCONNECT.dwg - ALUM CREEK-7 layout ~ last saved by: gburch 05/31/2022 10:54am ~ printed 06/02/2022 11:40am PSLTS: 1 LTS: 1 CAS: 1:1

ESTIMATED QUANTITIES

SHEET NO.	REFERENCE NO.	LOCATION	STATION		202	625	625	625	625	632	632	632	632	632	632	632	632	632	632	633	633	633	
					EXISTING CONDUIT CLEANED, AS PER PLAN	CONDUIT, CONCRETE ENCASED, 2-3", 725.051, AS PER PLAN	CONDUIT, JACKED OR DRILLED, 3", AS PER PLAN	PULL BOX, CONCRETE 32", AS PER PLAN	TRENCH, 36" DEEP, AS PER PLAN	CONDUIT RISER, 2", 725.04, AS PER PLAN	DOWN GUY	INTERCONNECT CABLE, MISC.: FIBER OPTIC CABLE, 144 STRAND	INTERCONNECT CABLE, MISC.: FIBER OPTIC DROP CABLE, 24 STRAND	INTERCONNECT CABLE, MISC.: FIBER OPTIC FUSION SPLICE	INTERCONNECT CABLE, MISC.: TERMINATION PANEL, 24 FIBER	INTERCONNECT, MISC.: CAT 5E CABLE, OUTDOOR RATED	INTERCONNECT, MISC.: SPLICE ENCLOSURE, DOME, 800 SPLICE	MESSENGER WIRE, 7 STRAND, 1/4" DIAMETER WITH ACCESSORIES, AS PER PLAN	SIGNALIZATION, MISC.: CCTV IP-CAMERA SYSTEM	WOOD POLE, CLASS 5, 35 FT	CONTROLLER ITEM, MISC.: FIBER OPTIC ETHERNET TRANSCEIVER, SHORT RANGE	CONTROLLER ITEM, MISC.: POE ENABLED LAYER 2 ETHERNET SWITCH	CONTROLLER UNIT, TYPE TS2/A2, AS PER PLAN	
			FROM	TO	FT	FT	FT	EACH	FT	EACH	EACH	FT	FT	EACH	EACH	FT	EACH	FT	EACH	EACH	EACH	EACH	EACH	
ALUM CREEK DR. BETWEEN STA. 189+00 AND 197+00, NODE #270049.0																								
322	CN-1	ALUM CREEK DR	190+97, 112' LT																			1		
322	SE U-1	ALUM CREEK DR	191+08, 112' LT									75		144										
322	IC-1	ALUM CREEK DR	191+08, 112' LT	197+00, 140' LT	608							608												
322	IC-2	ALUM CREEK DR	196+24, 169' LT									100												
ALUM CREEK DR. BETWEEN STA. 197+00 AND 208+00																								
323	IC-1	ALUM CREEK DR	197+00, 140' LT	206+81, 80' RT	1,101							1,101												
323	IC-2	ALUM CREEK DR	206+81, 80' RT	208+00, 74' RT		123			123			123												
ALUM CREEK DR. BETWEEN STA. 208+00 AND 218+00																								
324	IC-1	ALUM CREEK DR	208+00, 74' RT	215+04, 62' RT		708		1	708			708												
324	IC-2	ALUM CREEK DR	215+04, 62' RT	216+06, 66' RT			208	1				104												
324	IC-3	ALUM CREEK DR	216+06, 66' RT					1				100												
324	IC-4	ALUM CREEK DR	216+06, 66' RT	216+11, 89' RT		24			24			24												
324	IC-5	ALUM CREEK DR	216+11, 89' RT							2	1	35												
324	IC-6	ALUM CREEK DR	216+11, 89' RT	218+00, 60' RT								199						199						
ALUM CREEK DR. BETWEEN STA. 218+00 AND 229+00																								
325	IC-1	ALUM CREEK DR	218+00, 60' RT	229+00, 53' RT								1,121						1,121						
325	IC-2	ALUM CREEK DR	227+88, 51' RT									150												
ALUM CREEK DR. BETWEEN STA. 229+00 AND 240+00																								
326	IC-1	ALUM CREEK DR	229+00, 53' RT	239+05, 55' RT								1,022						1,022						
326	IC-2	ALUM CREEK DR	239+05, 55' RT							2		35								1				
326	IC-3	ALUM CREEK DR	239+05, 55' RT	239+20, 53' RT		15			15			15												
326	IC-4	ALUM CREEK DR	239+20, 53' RT					1				100												
326	IC-5	ALUM CREEK DR	239+20, 53' RT	240+00, 27' RT			180					90												
ALUM CREEK DR. BETWEEN STA. 240+00 AND 251+00																								
327	IC-1	ALUM CREEK DR	240+00, 27' RT	242+46, 52' RT			506					253												
327	IC-2	ALUM CREEK DR	242+46, 52' RT					1				100												
327	IC-3	ALUM CREEK DR	242+46, 52' RT	242+56, 56' RT		12			12			12												
327	IC-4	ALUM CREEK DR	242+56, 56' RT							2		35								1				
327	IC-5	ALUM CREEK DR	242+56, 56' RT	251+00, 55' RT								858						858						
327	IC-6	ALUM CREEK DR	248+42, 50' RT									150												
ALUM CREEK DR. BETWEEN STA. 251+00 AND 262+00, INT 2086																								
328	IC-1	ALUM CREEK DR	251+00, 55' RT	261+03, 43' RT								1,034						1,034						
328	CTV-1	ALUM CREEK DR	260+56, 36' LT													35			1					
328	EC-1	ALUM CREEK DR	260+56, 36' LT	260+75, 35' LT	19											19								
328	IC-7	ALUM CREEK DR	260+66, 59' LT	260+75, 35' LT	9								9											
328	IC-6	ALUM CREEK DR	260+66, 59' LT	260+91, 47' RT			113	1					113											
328	TC-1	ALUM CREEK DR	260+75, 35' LT										20		1							2	1	1
328	IC-5	ALUM CREEK DR	260+86, 48' RT	260+91, 47' RT		5			5				5											
328	IC-4	ALUM CREEK DR	260+86, 48' RT							2			35											
328	IC-3	ALUM CREEK DR	260+86, 48' RT	261+03, 43' RT									17					17						
328	SE A-1	ALUM CREEK DR	261+03, 43' RT									150	125	24			1							
328	IC-2	ALUM CREEK DR	261+03, 43' RT	262+00, 40' RT								99						99						
ALUM CREEK DR. BETWEEN STA. 262+00 AND 273+00																								
329	IC-1	ALUM CREEK DR	262+00, 40' RT	273+00, 37' RT								1,117						1,117						
329	IC-2	ALUM CREEK DR	272+38, 37' RT									150												
SHEET TOTAL					1,737	887	1,007	6	887	8	1	9,668	324	168	1	54	1	5,467	1	2	3	1	1	-

AERIAL SAG: 1.5% AERIAL SAG IS INCLUDED IN THE QUANTITIES FOR ANY AERIAL FIBER OR CABLE ITEMS.

3676-E

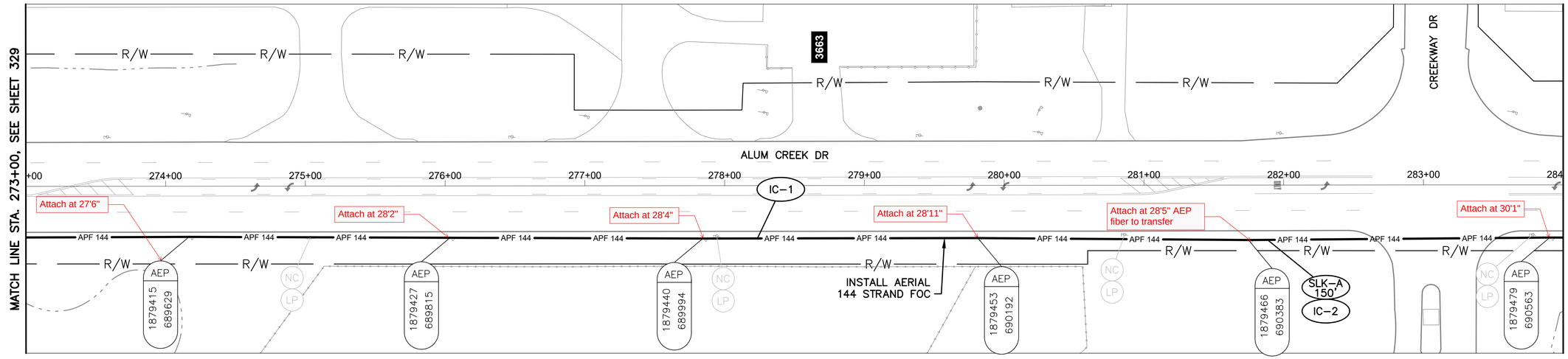
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PID NUMBER: 110521

ALUM CREEK DR BETWEEN STA. 189+00 & 273+00
INT 2086

CITY OF COLUMBUS TRAFFIC SIGNAL SYSTEM
(CTSS) PHASE F – FINAL SUBMITTAL

330
768

J:\Jobs\70202 – CTSS Phase F\TECHPROD\Sheets\CTSS_PhF_Trunk4_ALUM_CREEK_IC_QUANTITIES.dwg – ALUM CREEK 01 layout ~ last saved by: gburch 05/31/2022 11:03am ~ printed 06/02/2022 01:51pm PSLTS: 1 LTS: 1 CAS: 1:1



ALUM CREEK DR BETWEEN STATION 273+00 AND 284+00

NOTES:

1. SEE SHEET 340 FOR QUANTITIES.
2. SEE SHEET 477 FOR COMMUNICATION DETAILS.

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CITY OF COLUMBUS UTILITY LEGEND

- ☐ SEWER
- ☐ WATER
- ☐ POWER
- ☐ LIGHTING



REFER TO SHEET 240 FOR INTERCONNECT SHEET INDEX

KEY PLAN
NOT TO SCALE

3676-E

HORIZONTAL SCALE IN FEET
0 40 80

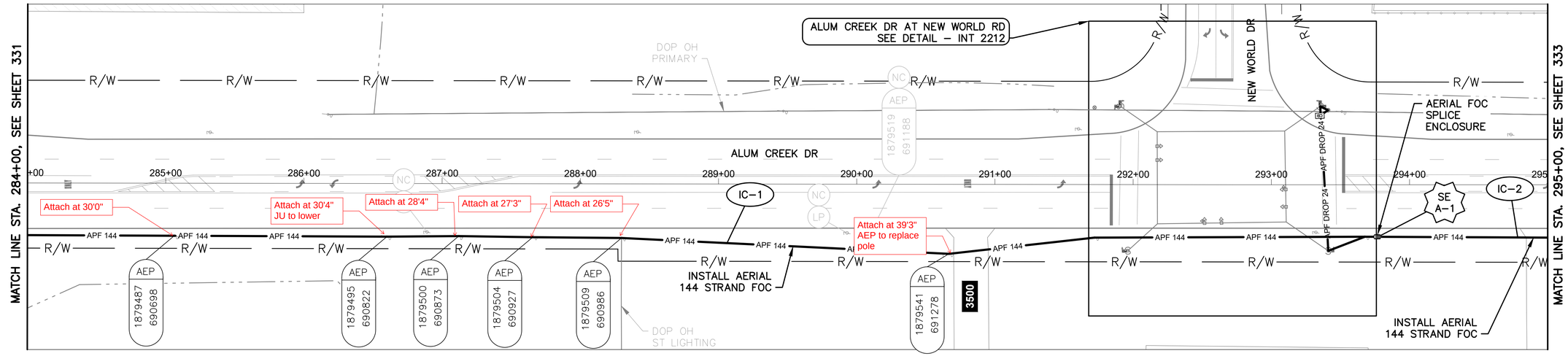
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PID NUMBER: 110521

INTERCONNECT PLAN
ALUM CREEK DR BETWEEN STA. 273+00 AND 284+00

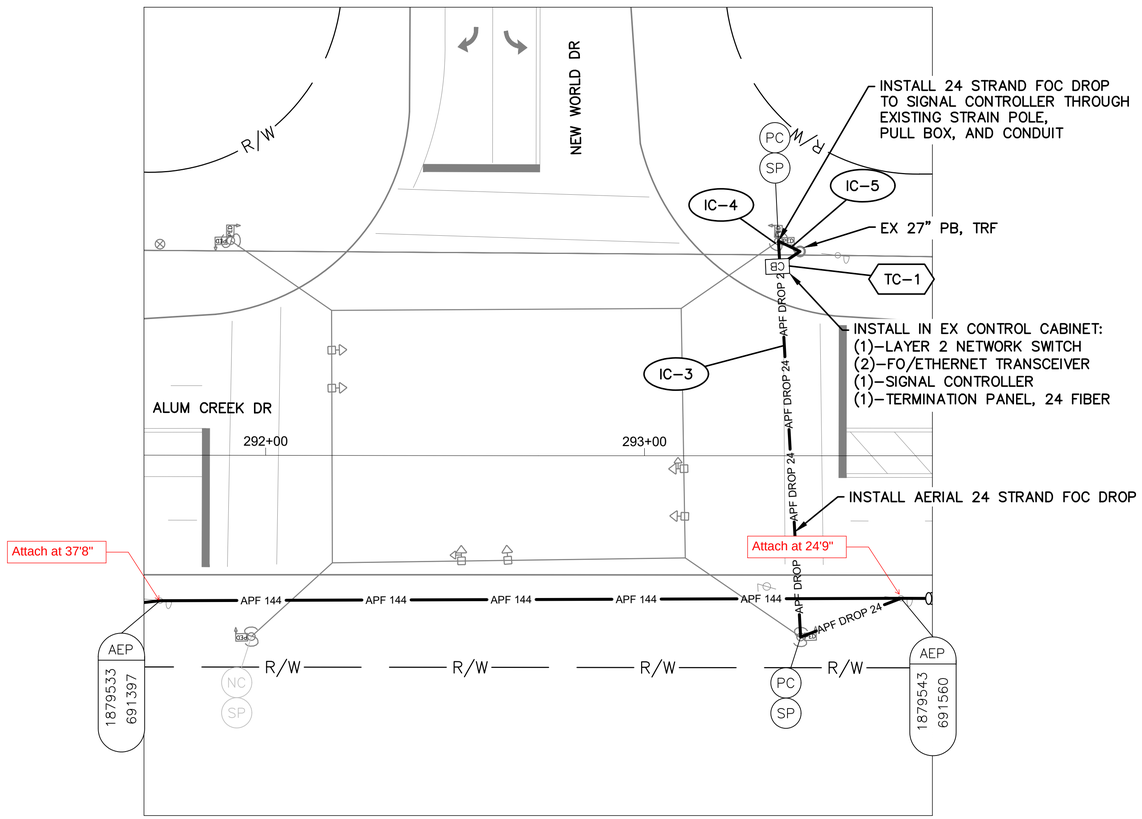
CITY OF COLUMBUS TRAFFIC SIGNAL SYSTEM
(CTSS) PHASE F – FINAL SUBMITTAL

331
768

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ALUM CREEK DR BETWEEN STATION 284+00 AND 295+00



DETAIL - INT 2212

0 20 40
HORIZONTAL SCALE IN FEET

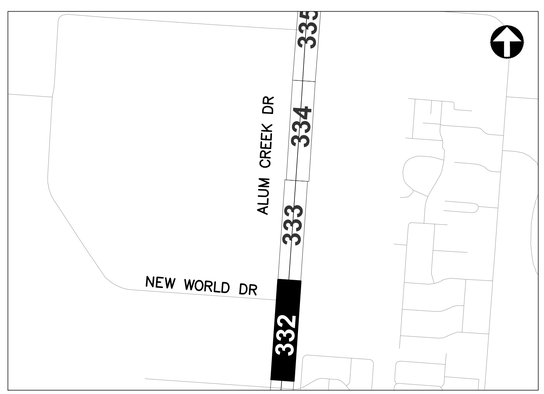
NOTES:

1. SEE SHEET 340 FOR QUANTITIES.
2. SEE SHEETS 477 & 639 FOR COMMUNICATION DETAILS.

OHIO Utilities Protection SERVICE
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800-362-2764 or 8-1-1
www.oups.org

CITY OF COLUMBUS UTILITY LEGEND

- ☐ SEWER
- ☐ WATER
- ☐ POWER
- ☐ LIGHTING



REFER TO SHEET 240 FOR INTERCONNECT SHEET INDEX

KEY PLAN
NOT TO SCALE

0 40 80
HORIZONTAL SCALE IN FEET

CIP: 540007–100060
PID NUMBER: 110521

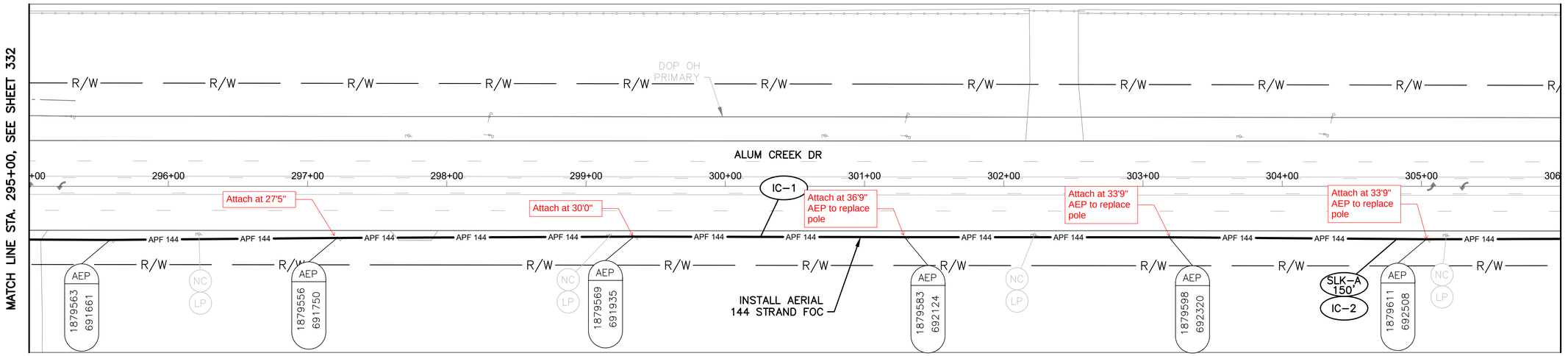
INTERCONNECT PLAN
ALUM CREEK DR BETWEEN STA. 284+00 AND 295+00, INT 2212

CITY OF COLUMBUS TRAFFIC SIGNAL SYSTEM
(CTSS) PHASE F – FINAL SUBMITTAL

332
768

3676-E

J:\Jobs\70202 – CTSS Phase F\TECHPROD\Sheets\CTSS_PhF_Trunk4_ALUM CREEK_INTERCONNECT.dwg – ALUM CREEK–9 layout ~ last saved by: gburch 05/31/2022 10:54am ~ printed 06/02/2022 11:42am PSLTS: 1 LTS: 1 CAS: 1:1



ALUM CREEK DR BETWEEN STATION 295+00 AND 306+00

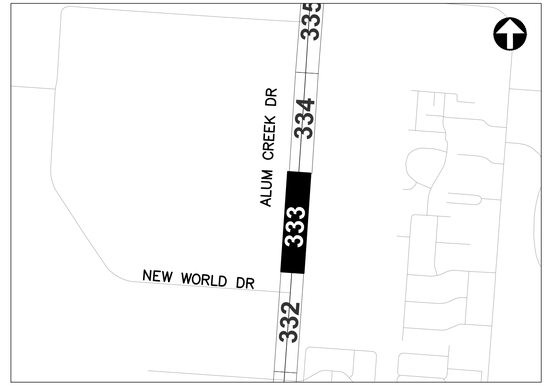
NOTES:

1. SEE SHEET 340 FOR QUANTITIES.
2. SEE SHEET 477 FOR COMMUNICATION DETAILS.

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www.oups.org

CITY OF COLUMBUS UTILITY LEGEND

- ☐ SEWER
- ☐ WATER
- ☒ POWER
- ☐ LIGHTING



REFER TO SHEET 240 FOR INTERCONNECT SHEET INDEX

KEY PLAN
NOT TO SCALE

HORIZONTAL SCALE IN FEET
0 40 80

CIP: 540007–100060
PID NUMBER: 110521

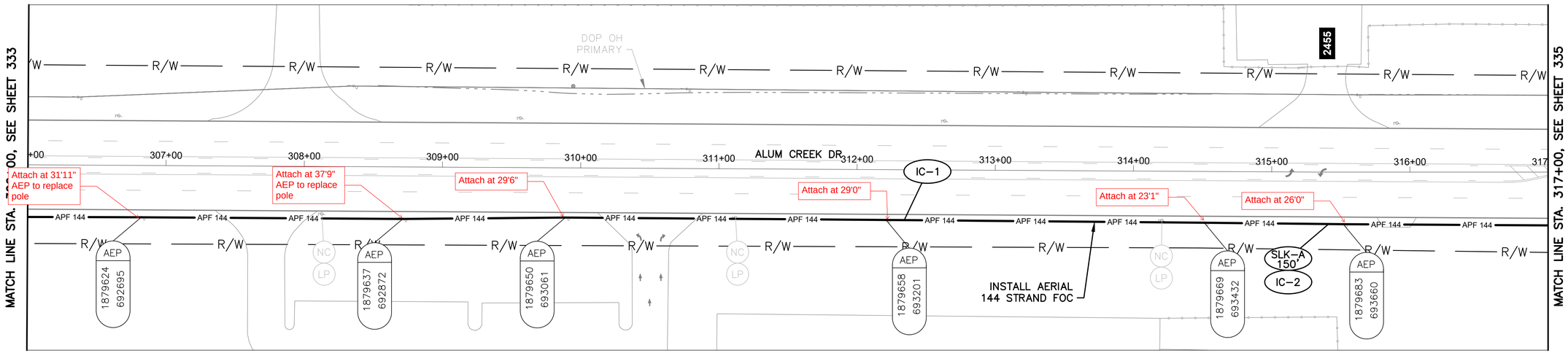
INTERCONNECT PLAN
ALUM CREEK DR BETWEEN STA. 295+00 AND 306+00

CITY OF COLUMBUS TRAFFIC SIGNAL SYSTEM
(CTSS) PHASE F – FINAL SUBMITTAL

333
768

3676-E

J:\Jobs\70202 - CTSS Phase F\TECHPROD\Sheets\CTSS_PhF_Trunk4_ALUM CREEK_INTERCONNECT.dwg - ALUM CREEK-10 layout ~ last saved by: gburch 05/31/2022 10:54am ~ printed 06/02/2022 11:42am PSLTS: 1 LTS: 1 CAS: 1:1



ALUM CREEK DR BETWEEN STATION 306+00 AND 317+00

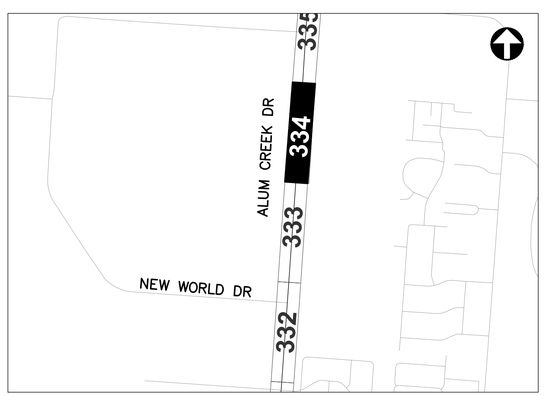
NOTES:

1. SEE SHEET 340 FOR QUANTITIES.
2. SEE SHEET 477 FOR COMMUNICATION DETAILS.

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CITY OF COLUMBUS UTILITY LEGEND

- ☐ SEWER
- ☐ WATER
- ☒ POWER
- ☐ LIGHTING



REFER TO SHEET 240 FOR INTERCONNECT SHEET INDEX

KEY PLAN
NOT TO SCALE

3676-E

HORIZONTAL SCALE IN FEET
0 40 80

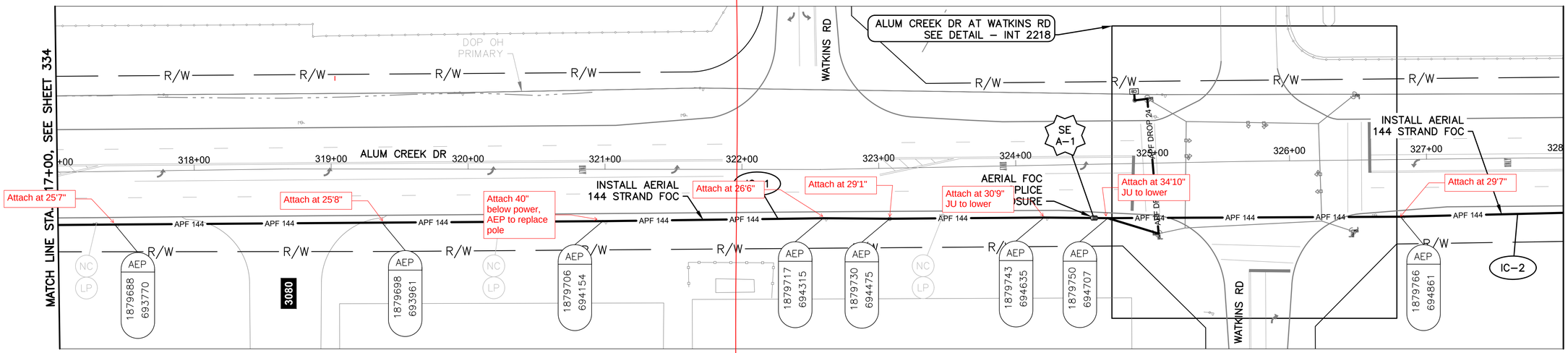
CIP: 540007-100060
PID NUMBER: 110521

INTERCONNECT PLAN
ALUM CREEK DR BETWEEN STA. 306+00 AND 317+00

CITY OF COLUMBUS TRAFFIC SIGNAL SYSTEM
(CTSS) PHASE F – FINAL SUBMITTAL

334
768

J:\Jobs\70202 – CTSS Phase F\TECHPROD\Sheets\CTSS_PhF_Trunk4_ALUM CREEK-2_INTERCONNECT.dwg – ALUM CREEK-11 layout ~ last saved by: gburch 05/31/2022 11:03am ~ printed 06/02/2022 11:44am PSLTS: 1 LTS: 1 CAS: 1:1



ALUM CREEK DR BETWEEN STATION 317+00 AND 328+00

DETAIL - INT 2218

0 20 40
HORIZONTAL SCALE IN FEET

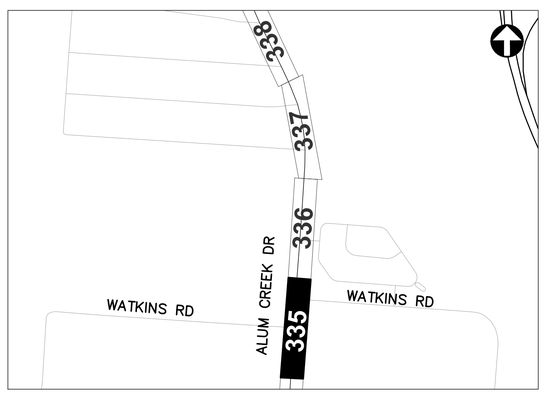
NOTES:

1. SEE SHEET 340 FOR QUANTITIES.
2. SEE SHEETS 477 & 638 FOR COMMUNICATION DETAILS.

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CITY OF COLUMBUS UTILITY LEGEND

- ☐ SEWER
- ☐ WATER
- ☒ POWER
- ☐ LIGHTING



REFER TO SHEET 240 FOR INTERCONNECT SHEET INDEX

KEY PLAN
NOT TO SCALE

0 40 80
HORIZONTAL SCALE IN FEET

CIP: 540007–100060
PID NUMBER: 110521

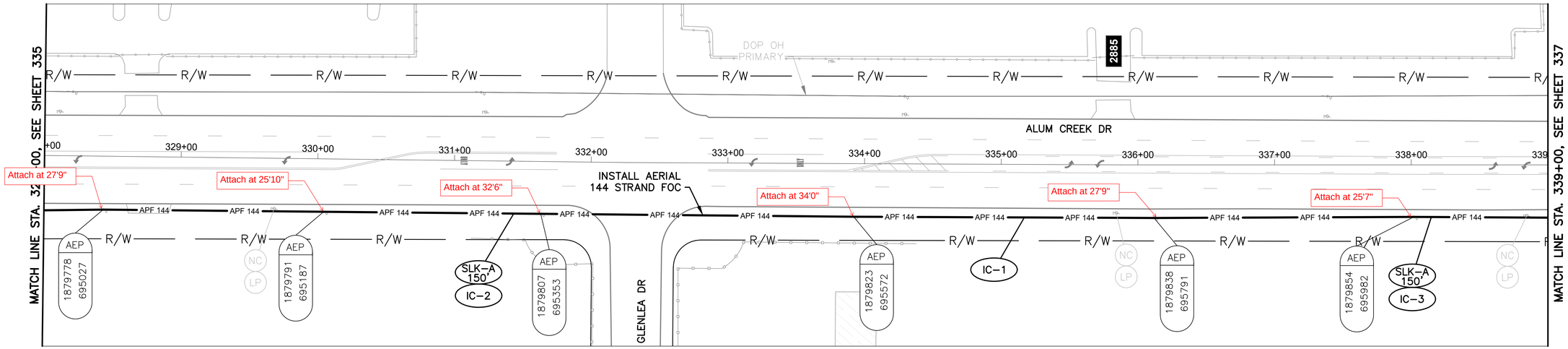
INTERCONNECT PLAN
ALUM CREEK DR BETWEEN STA. 317+00 AND 328+00, INT 2218

CITY OF COLUMBUS TRAFFIC SIGNAL SYSTEM
(CTSS) PHASE F – FINAL SUBMITTAL

3676-E

335
768

J:\Jobs\70202 – CTSS Phase F\TECHPROD\Sheets\CTSS_PhF_Trunk4_ALUM CREEK–2_INTERCONNECT.dwg – ALUM CREEK–12 layout ~ last saved by: gburch 05/31/2022 11:03am ~ printed 06/02/2022 11:46am PSLTS: 1 LTS: 1 CAS: 1:1



ALUM CREEK DR BETWEEN STATION 328+00 AND 339+00

Slack loops non-performed this way →

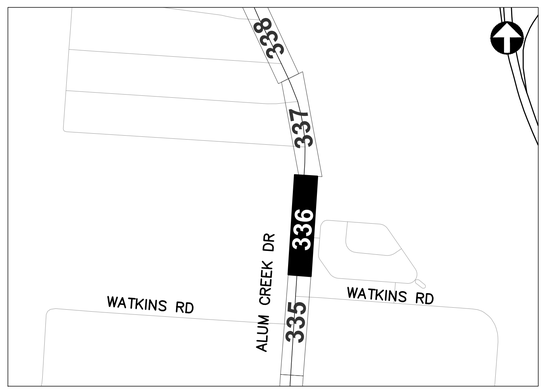
NOTES:

1. SEE SHEET 340 FOR QUANTITIES.
2. SEE SHEET 477 FOR COMMUNICATION DETAILS.

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www.oups.org

CITY OF COLUMBUS UTILITY LEGEND

- ☐ SEWER
- ☐ WATER
- ☒ POWER
- ☐ LIGHTING



REFER TO SHEET 240 FOR INTERCONNECT SHEET INDEX

KEY PLAN
NOT TO SCALE

3676-E

HORIZONTAL SCALE IN FEET
0 40 80

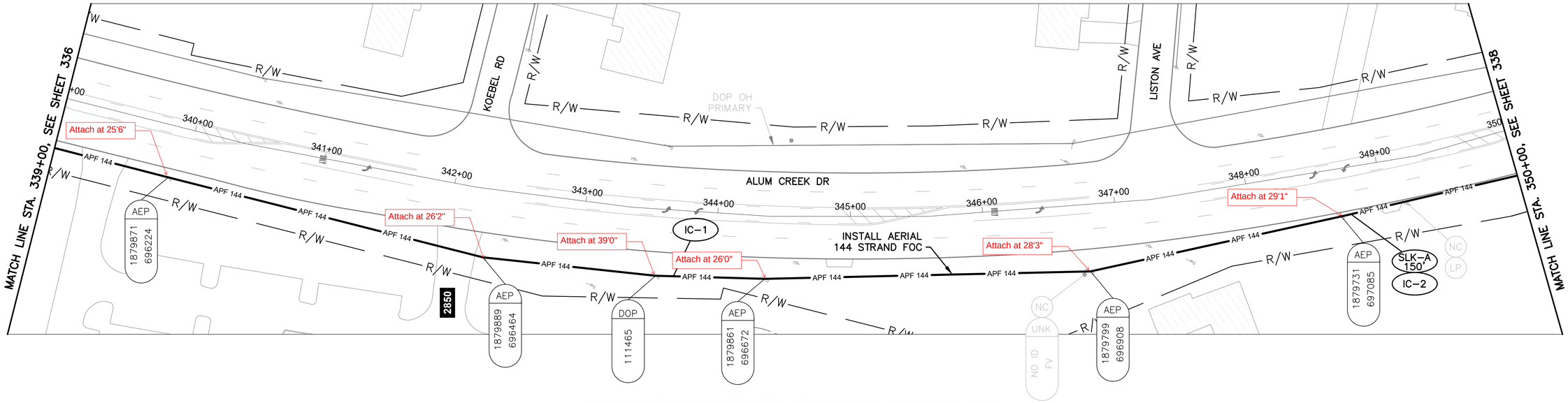
CIP: 540007-100060
PID NUMBER: 110521

INTERCONNECT PLAN
ALUM CREEK DR BETWEEN STA. 328+00 AND 339+00

CITY OF COLUMBUS TRAFFIC SIGNAL SYSTEM
(CTSS) PHASE F – FINAL SUBMITTAL

336
768

J:\Jobs\70202 - CTSS Phase F\TECHPROD\Sheets\CTSS_PhF_Trunk4_ALUM CREEK-2_INTERCONNECT.dwg - ALUM CREEK-13 layout ~ last saved by: gburch 05/31/2022 11:03am ~ printed 06/02/2022 11:47am PSLTS: 1 LTS: 1 CAS: 1:1



ALUM CREEK DR BETWEEN STATION 339+00 AND 350+00

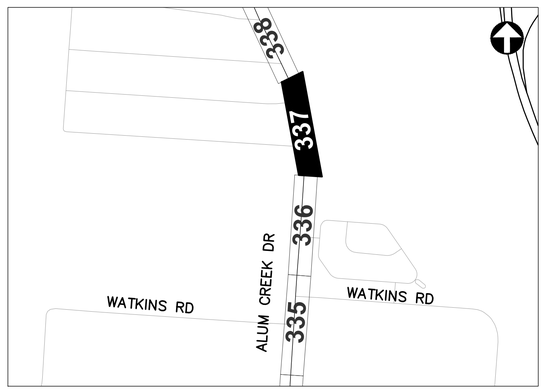
NOTES:

1. SEE SHEET 340 FOR QUANTITIES.
2. SEE SHEET 477 FOR COMMUNICATION DETAILS.

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CITY OF COLUMBUS UTILITY LEGEND

- ☐ SEWER
- ☐ WATER
- ☒ POWER
- ☐ LIGHTING



REFER TO SHEET 240 FOR INTERCONNECT SHEET INDEX

KEY PLAN
NOT TO SCALE

HORIZONTAL SCALE IN FEET
0 40 80

CIP: 540007-100060
PID NUMBER: 110521

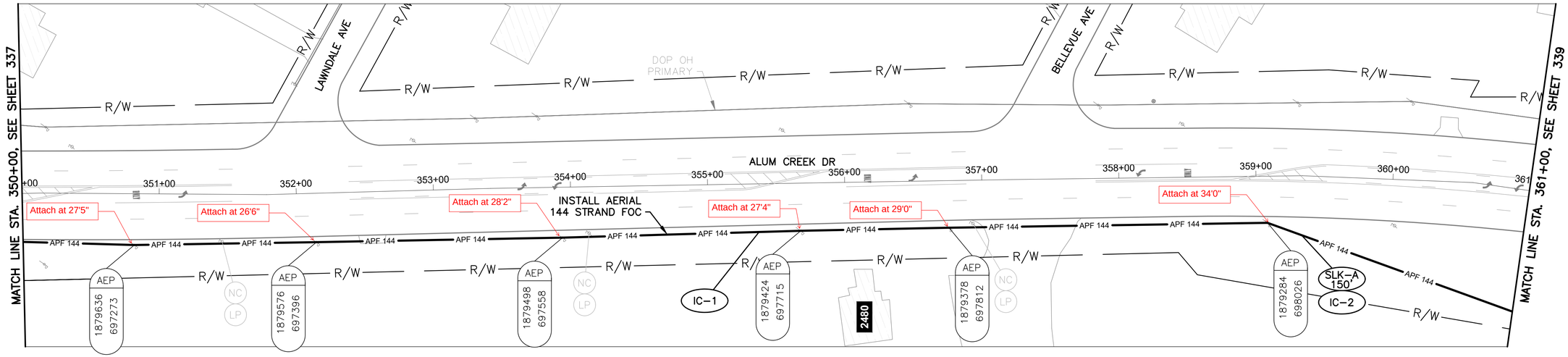
INTERCONNECT PLAN
ALUM CREEK DR BETWEEN STA. 339+00 AND 350+00

CITY OF COLUMBUS TRAFFIC SIGNAL SYSTEM
(CTSS) PHASE F - FINAL SUBMITTAL

337
768

3676-E

J:\Jobs\70202 - CTSS Phase F\TECHPROD\Sheets\CTSS_PhF_Trunk4_ALUM CREEK-2_INTERCONNECT.dwg - ALUM CREEK-14 layout ~ last saved by: gburch 05/31/2022 11:03am ~ printed 06/02/2022 11:48am PSLTS: 1 LTS: 1 CAS: 1:1



ALUM CREEK DR BETWEEN STATION 350+00 AND 361+00

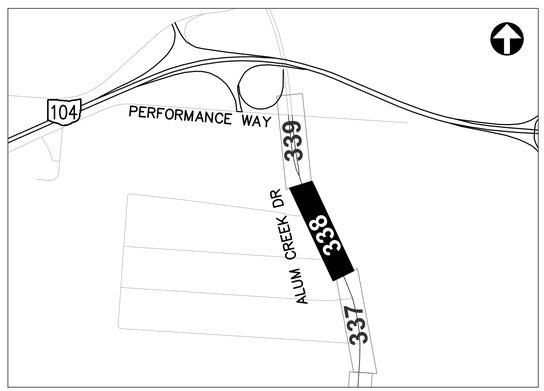
NOTES:

1. SEE SHEET 340 FOR QUANTITIES.
2. SEE SHEET 477 FOR COMMUNICATION DETAILS.

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www.oups.org

CITY OF COLUMBUS UTILITY LEGEND

- ☐ SEWER
- ☐ WATER
- ☒ POWER
- ☐ LIGHTING



REFER TO SHEET 240 FOR INTERCONNECT SHEET INDEX

KEY PLAN
NOT TO SCALE

HORIZONTAL SCALE IN FEET
0 40 80

CIP: 540007-100060
PID NUMBER: 110521

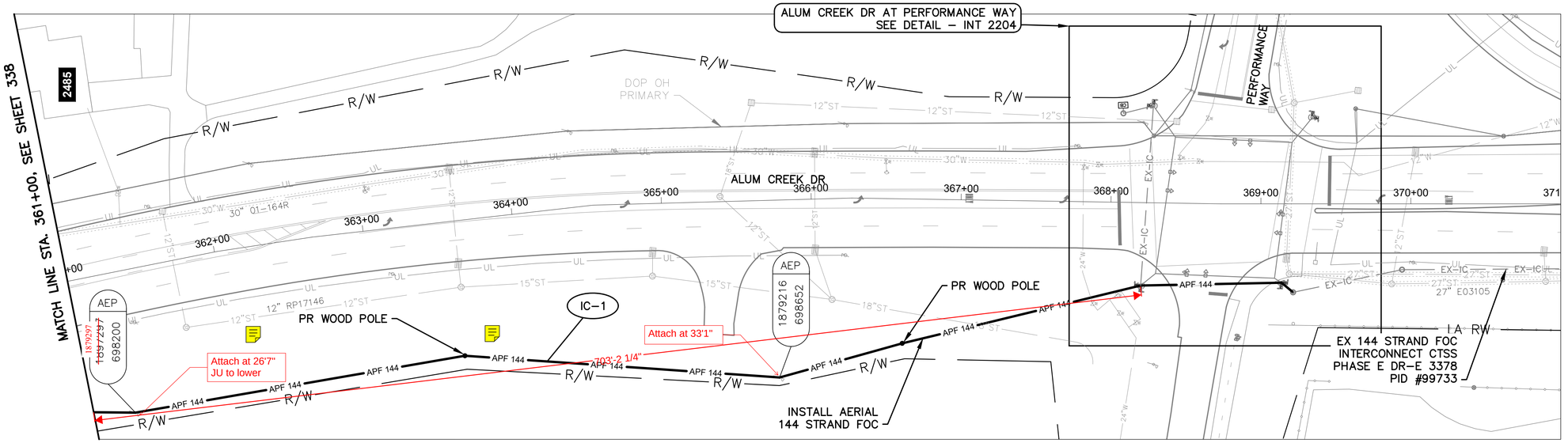
INTERCONNECT PLAN
ALUM CREEK DR BETWEEN STA. 350+00 AND 361+00

CITY OF COLUMBUS TRAFFIC SIGNAL SYSTEM
(CTSS) PHASE F - FINAL SUBMITTAL

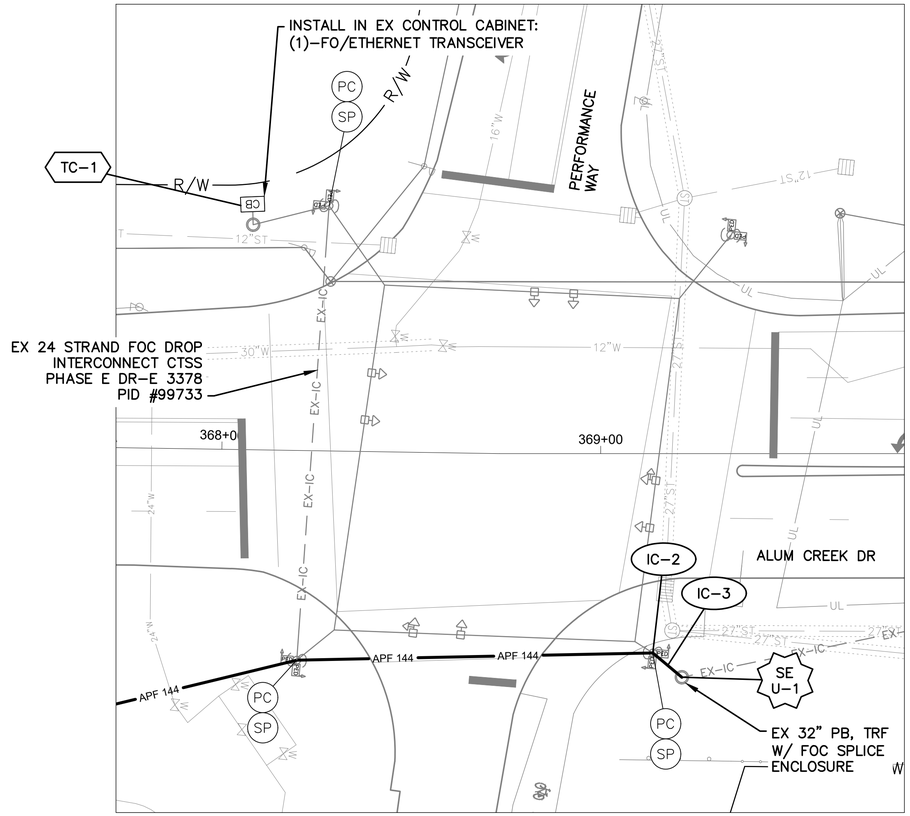
338
768

3676-E

J:\Jobs\70202 - CTSS Phase F\TECHPROD\Sheets\CTSS_PhF_Trunk4_ALUM CREEK-2_INTERCONNECT.dwg - ALUM CREEK-15 layout ~ last saved by: gburch 05/31/2022 11:03am ~ printed 06/02/2022 11:49am PSLTS: 1 LTS: 1 CAS: 1:1



ALUM CREEK DR BETWEEN STATION 361+00 AND 371+00



DETAIL - INT 2204

0 20 40
HORIZONTAL SCALE IN FEET

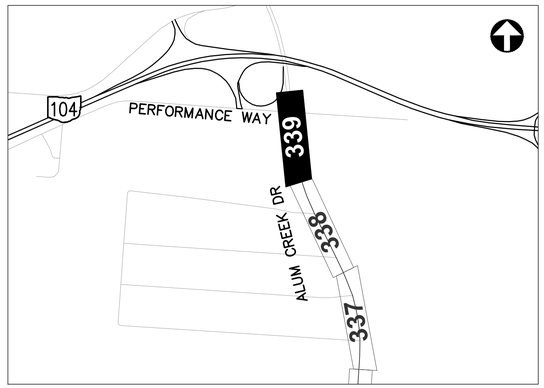
NOTES:

1. SEE SHEET 340 FOR QUANTITIES.
2. SEE SHEETS 477 & 636 FOR COMMUNICATION DETAILS.
3. LIMITED ACCESS RIGHT OF WAY IS LOCATED OUTSIDE OF THE EXTENT OF VIEW SHOWN ABOVE.

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CITY OF COLUMBUS UTILITY LEGEND

- ☐ SEWER
- ☐ WATER
- ☒ POWER
- ☐ LIGHTING



REFER TO SHEET 240 FOR INTERCONNECT SHEET INDEX

KEY PLAN
NOT TO SCALE

0 40 80
HORIZONTAL SCALE IN FEET

CIP: 540007–100060
PID NUMBER: 110521

INTERCONNECT PLAN
ALUM CREEK DR BETWEEN STA. 361+00 AND 373+00, INT 2204

CITY OF COLUMBUS TRAFFIC SIGNAL SYSTEM
(CTSS) PHASE F – FINAL SUBMITTAL

339
768

3676-E

J:\Jobs\70202 – CTSS Phase F\TECHPROD\Sheets\CTSS_PhF_Trunk4_ALUM CREEK–2_INTERCONNECT.dwg – ALUM CREEK–16 layout ~ last saved by: gburch 05/31/2022 11:03am ~ printed 06/02/2022 11:50am PSLTS: 1 LTS: 1 CAS: 1:1

ESTIMATED QUANTITIES

SHEET NO.	REFERENCE NO.	LOCATION	STATION		202	632	632	632	632	632	632	632	633	633	633										
					EXISTING CONDUIT CLEANED, AS PER PLAN	INTERCONNECT CABLE, MISC.: FIBER OPTIC CABLE, 144 STRAND	INTERCONNECT CABLE, MISC.: FIBER OPTIC DROP CABLE, 24 STRAND	INTERCONNECT CABLE, MISC.: FIBER OPTIC FUSION SPLICE	INTERCONNECT CABLE, MISC.: TERMINATION PANEL, 24 FIBER	INTERCONNECT, MISC.: SPLICE ENCLOSURE, DOME, 288 SPLICE	MESSENGER WIRE, 7 STRAND, 1/4" DIAMETER WITH ACCESSORIES, AS PER PLAN	WOOD POLE, CLASS 5, 35 FT	CONTROLLER ITEM, MISC.: FIBER OPTIC ETHERNET TRANSCEIVER, SHORT RANGE	CONTROLLER ITEM, MISC.: LAYER 2 ETHERNET SWITCH	CONTROLLER UNIT, TYPE TS2/A2, AS PER PLAN									
			FROM	TO	FT	FT	FT	EACH	EACH	EACH	FT	EACH	EACH	EACH	EACH										
ALUM CREEK DR. BETWEEN STA. 273+00 AND 284+00																									
331	IC-1	ALUM CREEK DR	273+00, 37' RT	284+00, 38' RT		1,117					1,117														
331	IC-2	ALUM CREEK DR	281+89, 39' RT			150																			
ALUM CREEK DR. BETWEEN STA. 284+00 AND 295+00, INT 2212																									
332	IC-1	ALUM CREEK DR	284+00, 38' RT	293+77, 38' RT		993					993														
332	TC-1	ALUM CREEK DR	293+35, 49' LT				20		1				2	1	1										
332	IC-5	ALUM CREEK DR	293+35, 49' LT	293+35, 56' LT	14		14																		
332	IC-4	ALUM CREEK DR	293+35, 56' LT				35																		
332	IC-3	ALUM CREEK DR	293+35, 56' LT	293+68, 38' RT			135				135														
332	SE A-1	ALUM CREEK DR	293+77, 38' RT			150	125	24		1															
332	IC-2	ALUM CREEK DR	293+77, 38' RT	295+00, 39' RT		125					125														
ALUM CREEK DR. BETWEEN STA. 295+00 AND 306+00																									
333	IC-1	ALUM CREEK DR	295+00, 39' RT	306+00, 38' RT		1,117					1,117														
333	IC-2	ALUM CREEK DR	304+82, 38' RT			150																			
ALUM CREEK DR. BETWEEN STA. 306+00 AND 317+00																									
334	IC-1	ALUM CREEK DR	306+00, 38' RT	317+00, 39' RT		1,117					1,117														
334	IC-2	ALUM CREEK DR	315+41, 38' RT			150																			
ALUM CREEK DR. BETWEEN STA. 317+00 AND 328+00, INT 2218																									
335	IC-1	ALUM CREEK DR	317+00, 39' RT	324+57, 39' RT		768					768														
335	SE A-1	ALUM CREEK DR	324+57, 39' RT			150	125	24		1															
335	IC-2	ALUM CREEK DR	324+57, 39' RT	328+00, 40' RT		348					348														
335	IC-3	ALUM CREEK DR	324+57, 39' RT	324+97, 47' LT			139				139														
335	TC-1	ALUM CREEK DR	324+88, 52' LT				20		1				2	1	1										
335	IC-5	ALUM CREEK DR	324+88, 52' LT	324+97, 47' LT	16		16																		
335	IC-4	ALUM CREEK DR	324+97, 47' LT				35																		
ALUM CREEK DR. BETWEEN STA. 328+00 AND 339+00																									
336	IC-1	ALUM CREEK DR	328+00, 40' RT	339+00, 39' RT		1,117					1,117														
336	IC-2	ALUM CREEK DR	331+44, 38' RT			150																			
336	IC-3	ALUM CREEK DR	338+14, 38' RT			150																			
ALUM CREEK DR. BETWEEN STA. 339+00 AND 350+00																									
337	IC-1	ALUM CREEK DR	339+00, 39' RT	350+00, 35' RT		1,141					1,141														
337	IC-2	ALUM CREEK DR	348+75, 35' RT			150																			
ALUM CREEK DR. BETWEEN STA. 350+00 AND 361+00																									
338	IC-1	ALUM CREEK DR	350+00, 35' RT	361+00, 89' RT		1,114					1,114														
338	IC-2	ALUM CREEK DR	359+32, 43' RT			150																			
ALUM CREEK DR. BETWEEN STA. 361+00 AND 373+00, INT 2204																									
339	IC-1	ALUM CREEK DR	361+00, 89' RT	369+14, 53' RT		816					816	2													
339	TC-1	ALUM CREEK DR	368+03, 65' LT										1												
339	IC-2	ALUM CREEK DR	369+14, 53' RT								35														
339	IC-3	ALUM CREEK DR	369+14, 53' RT	369+21, 59' RT	10						10														
339	SE U-1	ALUM CREEK DR	369+21, 59' RT			75		144																	
SHEET TOTAL					40	11,198	664	192	2	2	10,092	2	5	2	2	-	-	-	-	-	-	-	-	-	

AERIAL SAG: 1.5% AERIAL SAG IS INCLUDED IN THE QUANTITIES FOR ANY AERIAL FIBER OR CABLE ITEMS.

3676-E

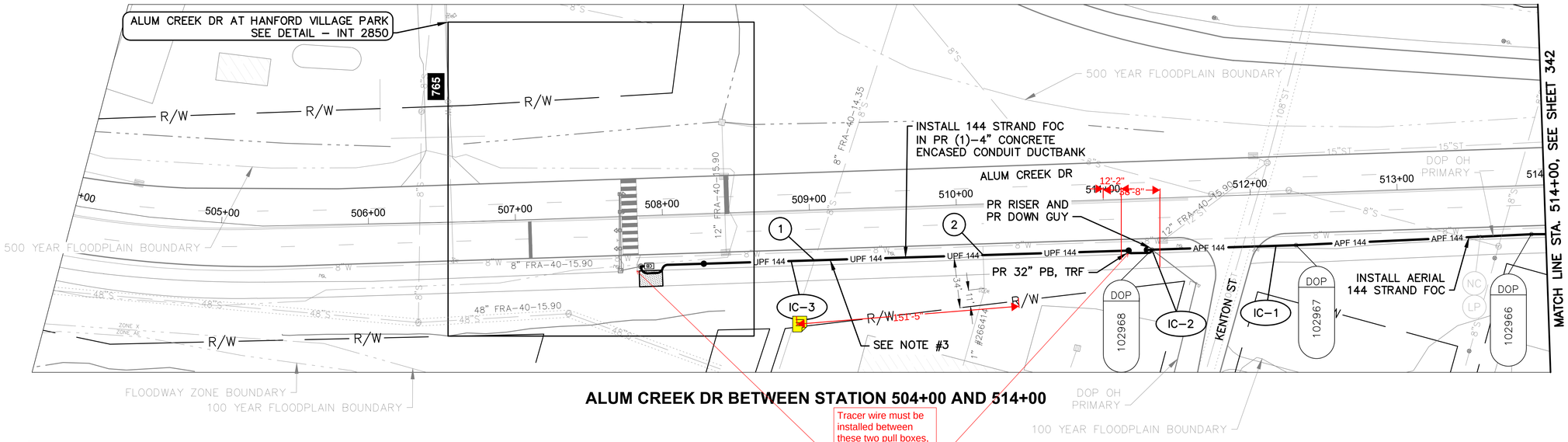
CIP: 540007-100060
PID NUMBER: 110521

ALUM CREEK DR BETWEEN STA. 273+00 & 373+00
INTS 2212, 2218 AND 2204

CITY OF COLUMBUS TRAFFIC SIGNAL SYSTEM
(CTSS) PHASE F – FINAL SUBMITTAL

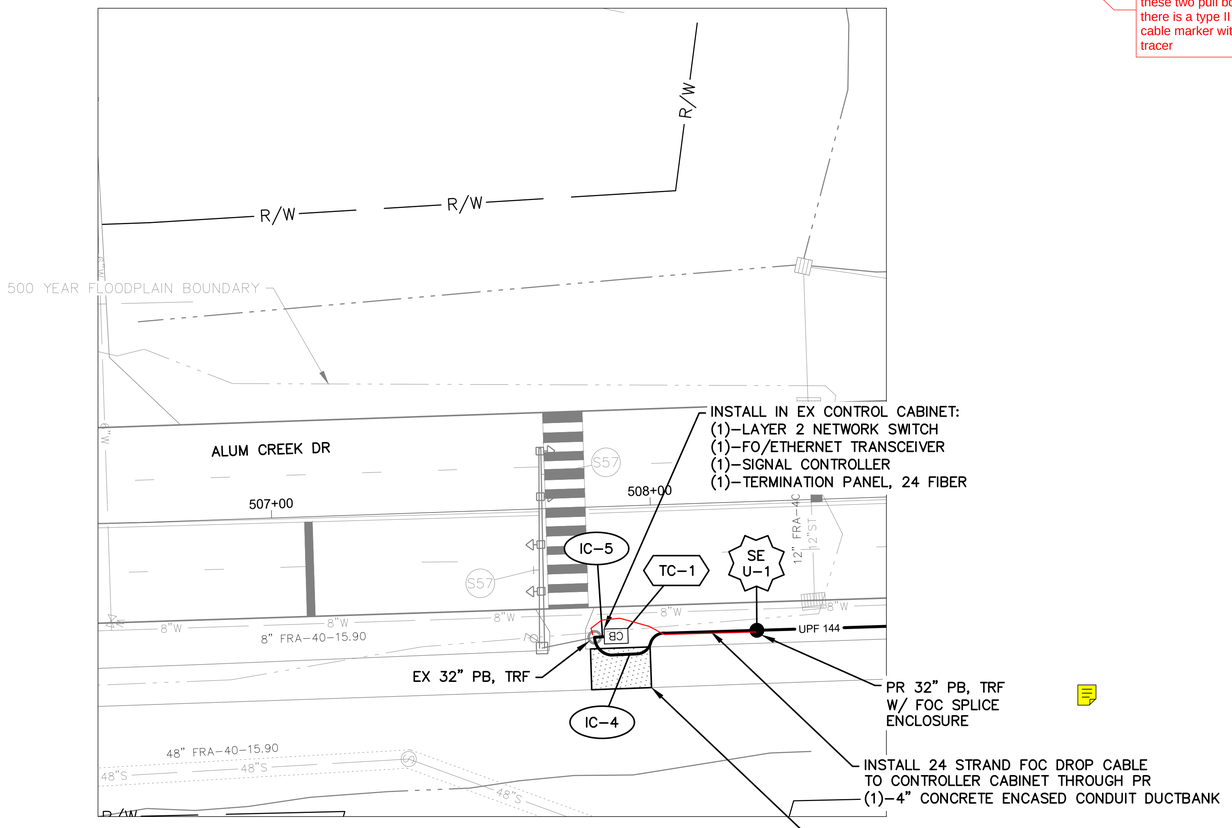
340
768

J:\Jobs\70202 – CTSS Phase F\TECHPROD\Sheets\CTSS_PhF_Trunk4_ALUM_CREEK_IC_QUANTITIES.dwg – ALUM_CREEK 02 layout ~ last saved by: gburch 05/31/2022 11:03am ~ printed 06/02/2022 01:52pm PSLTS: 1 LTS: 1 CAS: 1:1



ALUM CREEK DR BETWEEN STATION 504+00 AND 514+00

Tracer wire must be installed between these two pull boxes, there is a type II cable marker with no tracer



DETAIL - INT 2850

0 20 40
HORIZONTAL
SCALE IN FEET

NOTES:

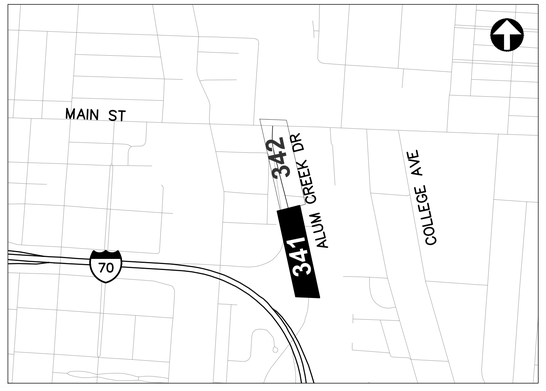
1. SEE SHEET 343 FOR QUANTITIES.
2. SEE SHEETS 460 & 543 FOR COMMUNICATION DETAILS.
3. ALL WORK AND MATERIALS RELATED TO CONCRETE ENCASEMENT ARE INCIDENTAL TO CONDUIT PAY ITEMS.

(#) EXISTING UTILITY CROSSING.
SEE UTILITY CROSSING INFO
SHEET 245.

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CITY OF COLUMBUS
UTILITY LEGEND

- SEWER
- WATER
- POWER
- LIGHTING



REFER TO SHEET 238 FOR
INTERCONNECT SHEET INDEX

KEY PLAN
NOT TO SCALE

0 40 80
HORIZONTAL
SCALE IN FEET

CIP: 540007-100060
PID NUMBER: 110521

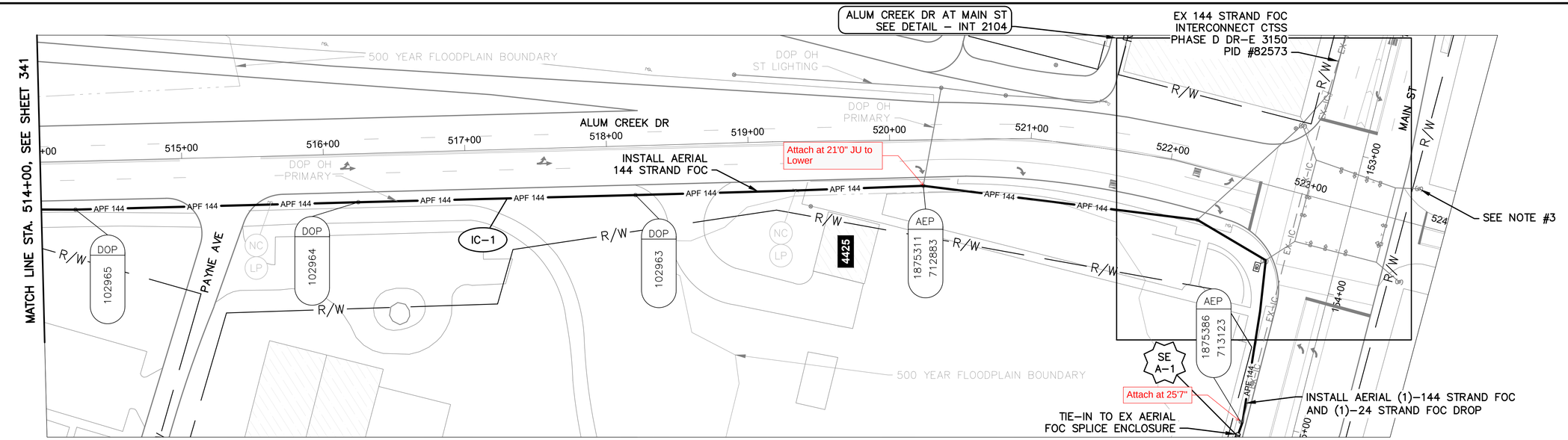
INTERCONNECT PLAN
ALUM CREEK DR BETWEEN STA. 504+00 AND 514+00, INT 2850

CITY OF COLUMBUS TRAFFIC SIGNAL SYSTEM
(CTSS) PHASE F – FINAL SUBMITTAL

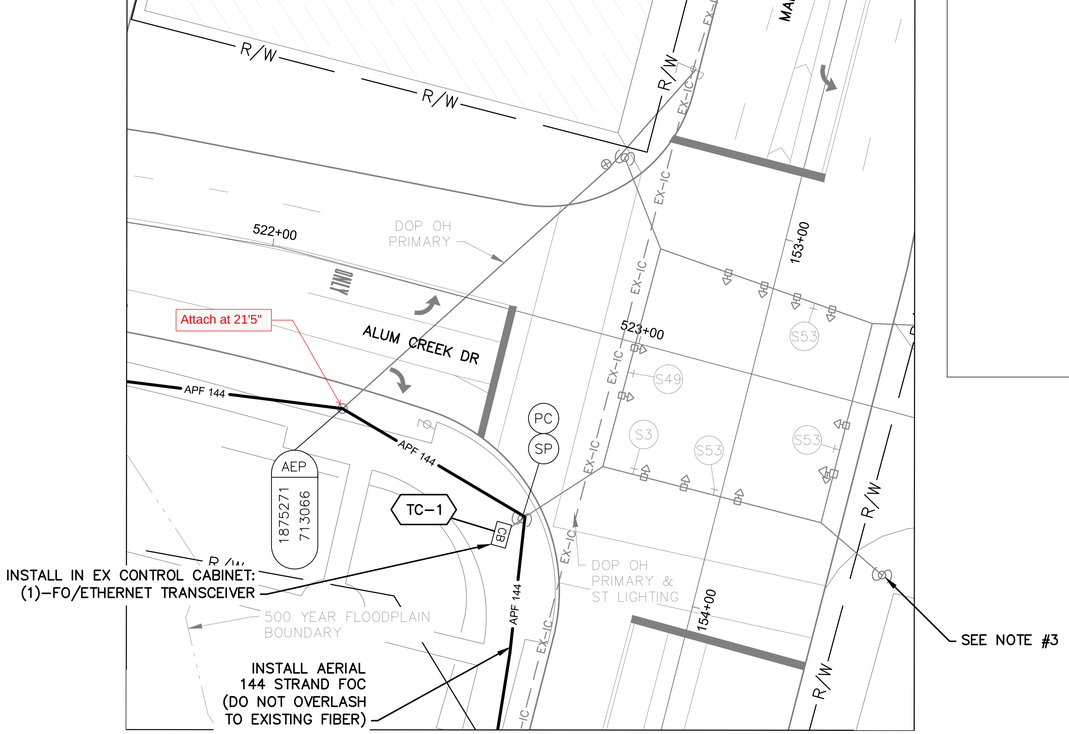
341
768

3676-E

J:\Jobs\70202 – CTSS Phase F\TECHPROD\Sheets\CTSS_PhF_Trunk4_ALUM CREEK-2_INTERCONNECT.dwg – ALUM CREEK-17 layout ~ last saved by: gburch 05/31/2022 11:03am ~ printed 06/02/2022 12:02pm PSLTS: 1 LTS: 1 CAS: 1:1

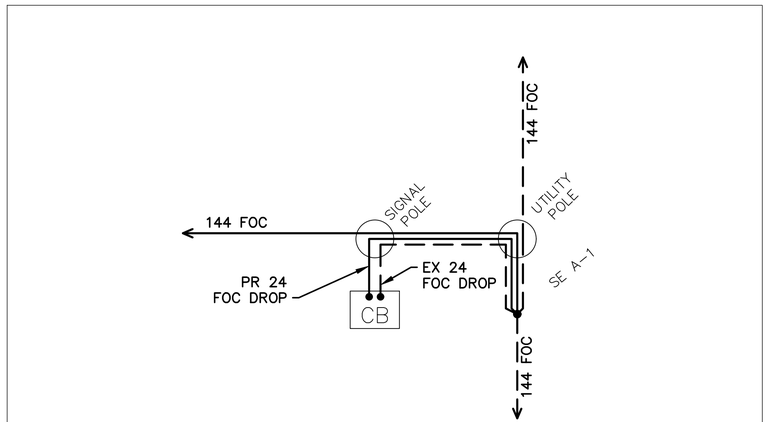


ALUM CREEK DR BETWEEN STATION 514+00 AND 524+00



DETAIL - INT 2104

0 20 40
HORIZONTAL
SCALE IN FEET



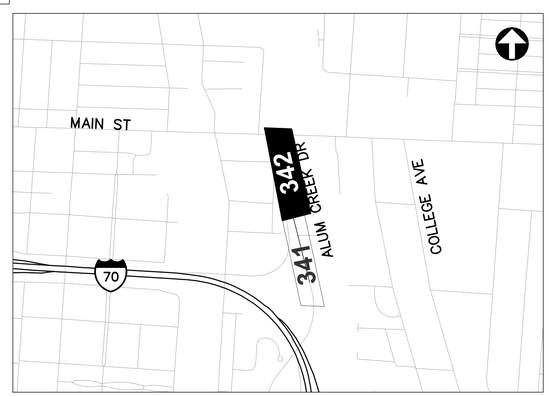
CABLE SCHEMATIC - INT 2104
NOT TO SCALE

NOTES:

1. SEE SHEET 343 FOR QUANTITIES.
2. SEE SHEETS 460 & 542 FOR COMMUNICATION DETAILS.
3. RESOLUTION NUMBER 0745–03, PASSED AUGUST 19, 2004, ALLOWS FOR MAINTENANCE OF TRAFFIC SIGNAL OPERATIONS OUTSIDE OF THE R/W AT INT 2104.

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CITY OF COLUMBUS UTILITY LEGEND
- ☐ SEWER
- ☐ WATER
- ☒ POWER
- ☒ LIGHTING



REFER TO SHEET 238 FOR INTERCONNECT SHEET INDEX

KEY PLAN
NOT TO SCALE

0 40 80
HORIZONTAL
SCALE IN FEET

CIP: 540007–100060
PID NUMBER: 110521

INTERCONNECT PLAN
ALUM CREEK DR BETWEEN STA. 514+00 AND 524+00, INT 2104

CITY OF COLUMBUS TRAFFIC SIGNAL SYSTEM
(CTSS) PHASE F – FINAL SUBMITTAL

342
768

3676-E

J:\Jobs\70202 – CTSS Phase F\TECHPROD\Sheets\CTSS_PhF_Trunk4_ALUM CREEK–2_INTERCONNECT.dwg – ALUM CREEK–18 layout ~ last saved by: gburch 05/31/2022 11:03am ~ printed 06/02/2022 12:03pm PSLTS: 1 LTS: 1 CAS: 1:1

ESTIMATED QUANTITIES

SHEET NO.	REFERENCE NO.	LOCATION	STATION		202	202	608	625	625	625	632	632	632	632	632	632	632	632	632	633	633	633		
					EXISTING CONDUIT CLEANED, AS PER PLAN	WALK REMOVED	8" CONCRETE WALK	CONDUIT, 4", AS PER PLAN	PULL BOX, CONCRETE 32", AS PER PLAN	TRENCH, 36" DEEP, AS PER PLAN	CONDUIT RISER, 2", 725.04, AS PER PLAN	DOWN GUY	INTERCONNECT CABLE, MISC.: FIBER OPTIC CABLE, 144 STRAND	INTERCONNECT CABLE, MISC.: FIBER OPTIC DROP CABLE, 24 STRAND	INTERCONNECT CABLE, MISC.: FIBER OPTIC FUSION SPLICE	INTERCONNECT CABLE, MISC.: TERMINATION PANEL, 24 FIBER	INTERCONNECT, MISC.: SPLICE ENCLOSURE, DOME, 288 SPLICE	MESSENGER WIRE, 7 STRAND, 1/4" DIAMETER WITH ACCESSORIES, AS PER PLAN	WOOD POLE, CLASS 5, 35 FT	CONTROLLER ITEM, MISC.: FIBER OPTIC ETHERNET TRANSCEIVER, SHORT RANGE	CONTROLLER ITEM, MISC.: LAYER 2 ETHERNET SWITCH	CONTROLLER UNIT, TYPE TS2/A2, AS PER PLAN		
			FROM	TO	FT	SF	SF	FT	EACH	FT	EACH	EACH	FT	FT	EACH	EACH	EACH	FT	EACH	EACH	EACH	EACH		
ALUM CREEK DR. BETWEEN STA. 504+00 AND 514+00, INT 2850																								
341	TC-1	ALUM CREEK DR	507+90, 34' RT											20		1				1	1	1		
341	IC-5	ALUM CREEK DR	507+90, 34' RT	507+96, 34' RT	6									6										
341	IC-4	ALUM CREEK DR	507+90, 34' RT	508+35, 34' RT		150	150	50		50				50										
341	SE U-1	ALUM CREEK DR	508+35, 34' RT						1				75	125	12			1						
341	IC-3	ALUM CREEK DR	508+35, 34' RT	511+38, 35' RT				305	1	305			305											
341	IC-2	ALUM CREEK DR	511+38, 35' RT								1	1	35							1				
341	IC-1	ALUM CREEK DR	511+38, 35' RT	514+06, 34' RT									272					272						
ALUM CREEK DR. BETWEEN STA. 514+00 AND 524+00, INT 2104																								
342	IC-1	ALUM CREEK DR	514+06, 34' RT	523+01, 176' RT									1,014					1,014						
342	TC-1	ALUM CREEK DR	522+77, 58' RT																	1				
342	SE A-1	ALUM CREEK DR	523+01, 176' RT										75		144									
SHEET TOTAL					6	150	150	355	2	355	1	1	1,776	201	156	1	1	1,286	1	2	1	1	-	-

AERIAL SAG: 1.5% AERIAL SAG IS INCLUDED IN THE QUANTITIES FOR ANY AERIAL FIBER OR CABLE ITEMS.

3676-E

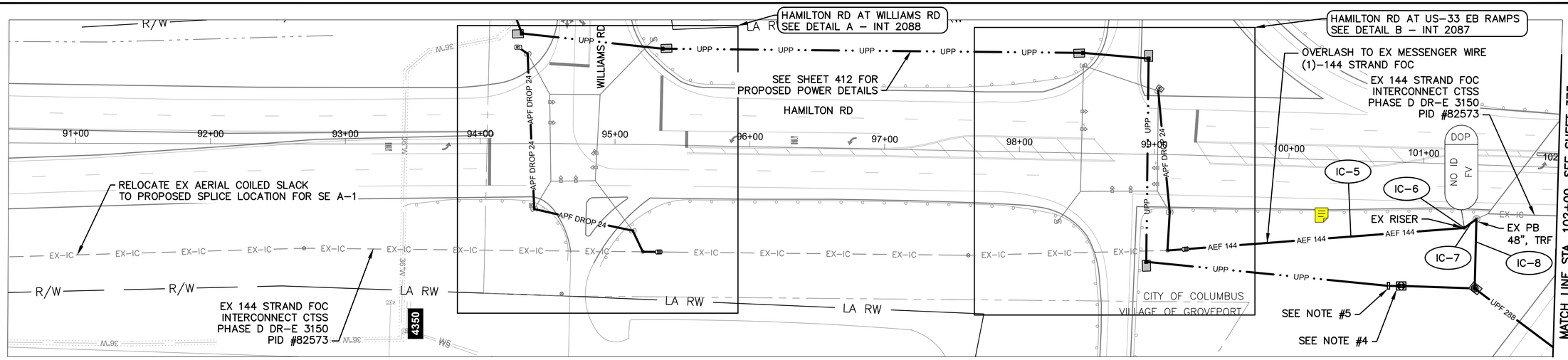
CIP: 540007-100060
PID NUMBER: 110521

ALUM CREEK DR BETWEEN STA. 504+00 & 524+00
INTS 2850 AND 2104

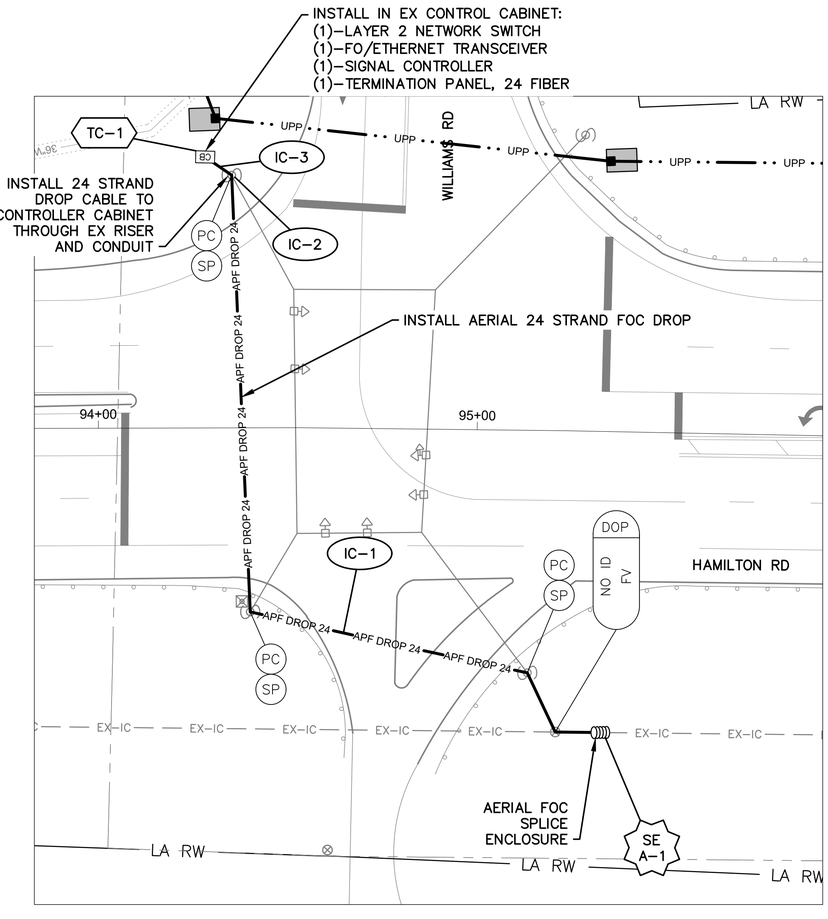
CITY OF COLUMBUS TRAFFIC SIGNAL SYSTEM
(CTSS) PHASE F – FINAL SUBMITTAL

343
768

J:\Jobs\70202 – CTSS Phase F\TECHPROD\Sheets\CTSS_PhF_Trunk4_ALUM_CREEK_IC_QUANTITIES.dwg – ALUM_CREEK Q3 layout ~ last saved by: gburch 05/31/2022 11:03am ~ printed 06/02/2022 01:53pm PSLTS: 1 LTS: 1 CAS: 1:1

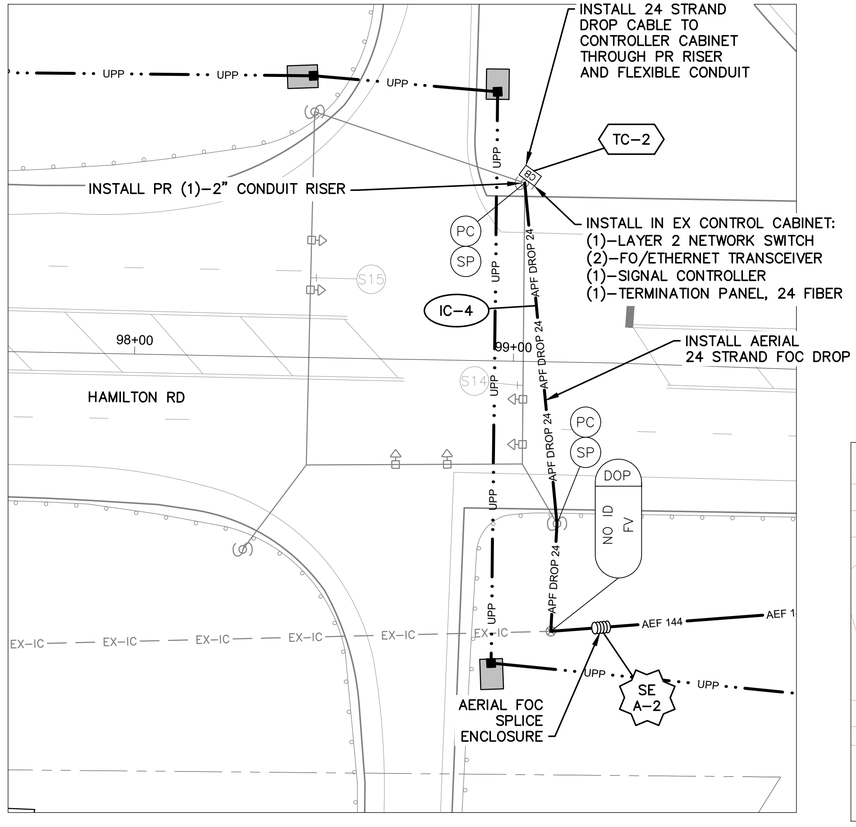


HAMILTON RD BETWEEN STATION 90+50 AND 102+00



DETAIL A - INT 2088

HORIZONTAL SCALE IN FEET



DETAIL B - INT 2087

HORIZONTAL SCALE IN FEET

NOTES:

1. SEE SHEET 347 FOR QUANTITIES.
2. SEE SHEETS 479, 647 & 648 FOR COMMUNICATION DETAILS.
3. RIGHT OF WAY IS LOCATED OUTSIDE OF THE EXTENT OF VIEW SHOWN ABOVE.
4. SEE SHEET 412 FOR NODE #033132.2 INTERCONNECT PLAN.
5. SEE SHEET 262 FOR NODE #033132.2 POWER SERVICE DETAIL.

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CITY OF COLUMBUS UTILITY LEGEND
- ☐ SEWER
- ☐ WATER
- ☐ POWER
- ☐ LIGHTING



REFER TO SHEET 240 FOR INTERCONNECT SHEET INDEX

KEY PLAN
NOT TO SCALE

HORIZONTAL SCALE IN FEET

CIP: 540007–100060
PID NUMBER: 110521

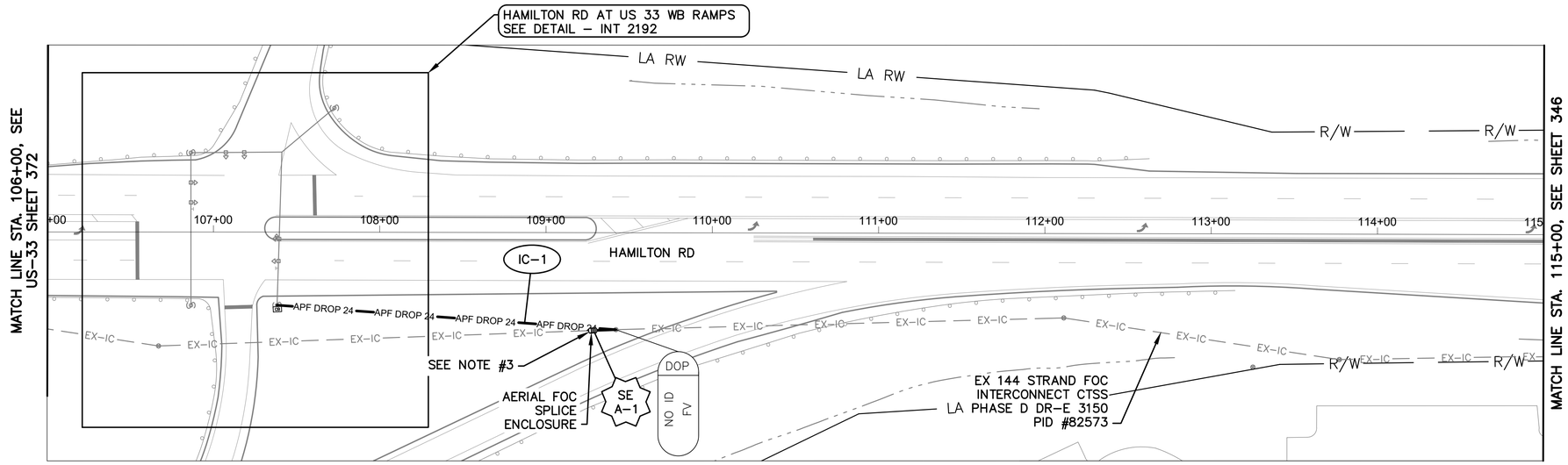
INTERCONNECT PLAN
HAMILTON RD BETWEEN STA. 90+50 AND 102+00, INTS 2088 & 2087

CITY OF COLUMBUS TRAFFIC SIGNAL SYSTEM
(CTSS) PHASE F – FINAL SUBMITTAL

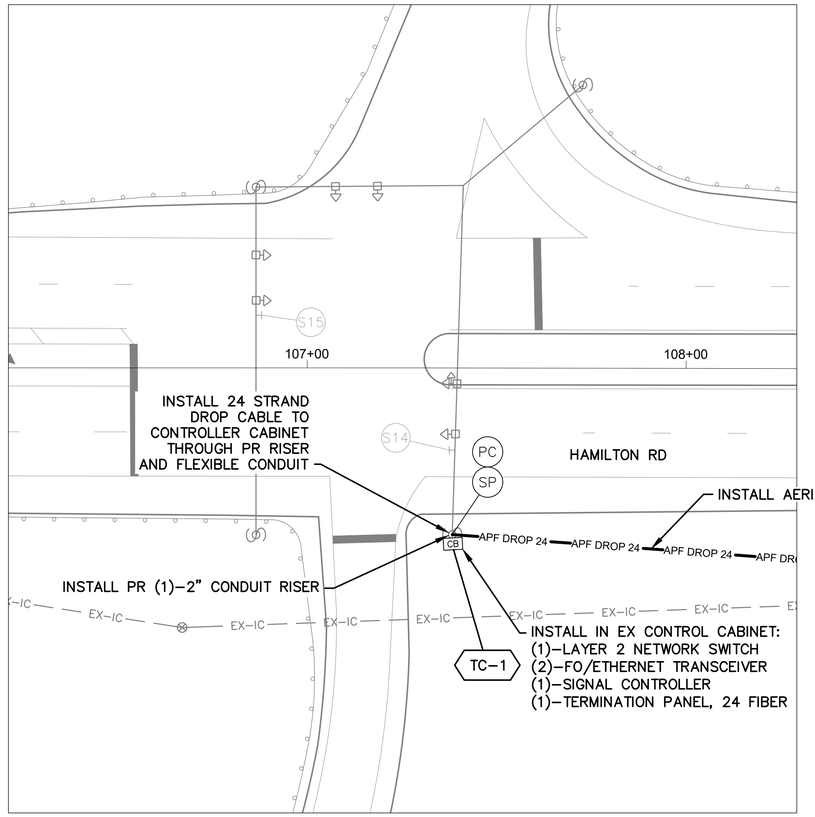
344
768

3676-E

J:\Jobs\70202 – CTSS Phase F\TECHPROD\Sheets\CTSS_PhF_Trunk4_HAMILTON_INTERCONNECT.dwg – HAMILTON–1 layout – last saved by: gburch 05/31/2022 11:04am – printed 06/02/2022 12:05pm PSLTS: 1 LTS: 1 CAS: 1:1



HAMILTON RD BETWEEN STATION 106+00 AND 115+00



DETAIL - INT 2192

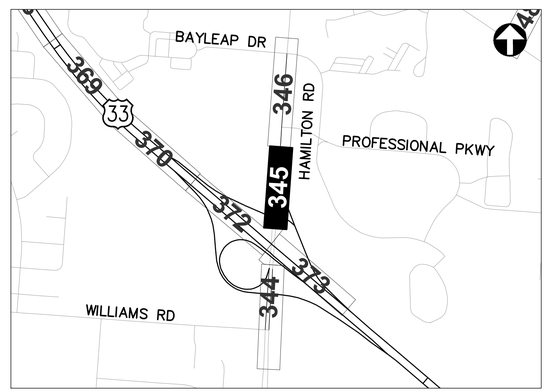
0 20 40
HORIZONTAL SCALE IN FEET

NOTES:

1. SEE SHEET 347 FOR QUANTITIES.
2. SEE SHEETS 479 & 646 FOR COMMUNICATION DETAILS.
3. RELOCATE EX AERIAL COILED SLACK FROM PROFESSIONAL PARKWAY APPROXIMATE STA. 118+00 FUTURE INTERSECTION TO 109+25 IN ORDER TO SPLICE INTO EXISTING INTERCONNECT.

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- ☐ SEWER
- ☐ WATER
- ☐ POWER
- ☐ LIGHTING



REFER TO SHEET 240 FOR INTERCONNECT SHEET INDEX

KEY PLAN
NOT TO SCALE

3676-E

0 40 80
HORIZONTAL SCALE IN FEET

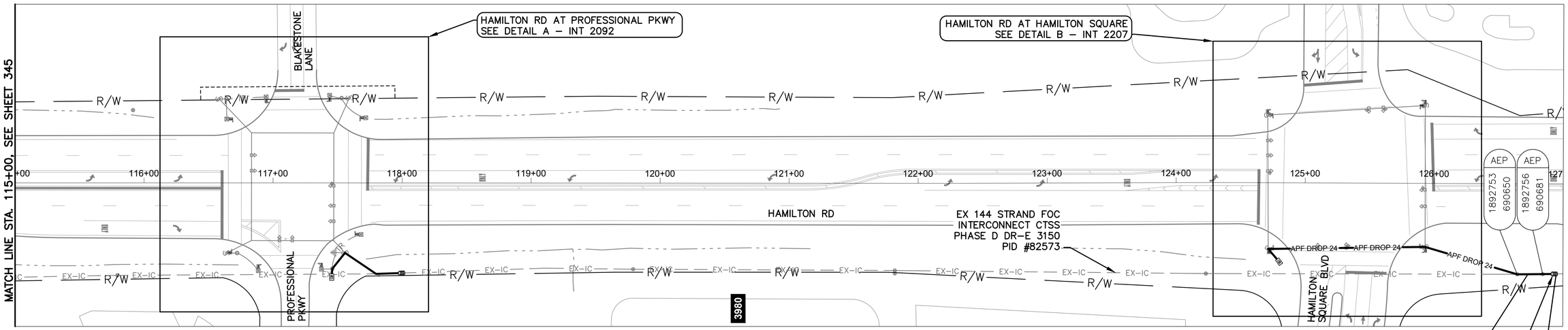
CIP: 540007–100060
PID NUMBER: 110521

INTERCONNECT PLAN
HAMILTON RD BETWEEN STA. 106+00 AND 115+00, INT 2192

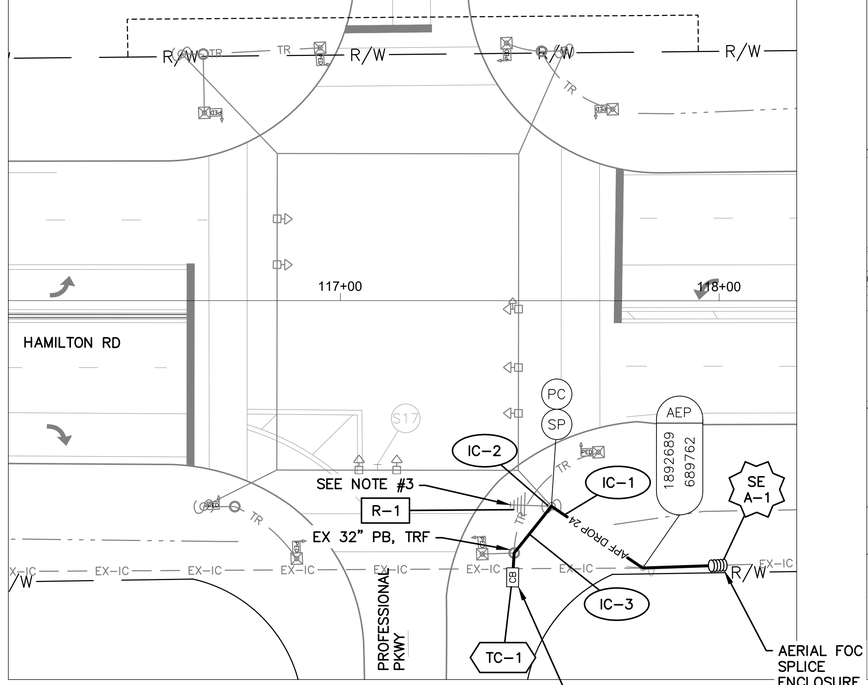
CITY OF COLUMBUS TRAFFIC SIGNAL SYSTEM
(CTSS) PHASE F – FINAL SUBMITTAL

345
768

J:\Jobs\70202 – CTSS Phase F\TECHPROD\Sheets\CTSS_PhF_Trunk4_HAMILTON_INTERCONNECT.dwg – HAMILTON–2 layout ~ last saved by: gburch 05/31/2022 11:04am ~ printed 06/02/2022 12:06pm PSLTS: 1 LTS: 1 CAS: 1:1

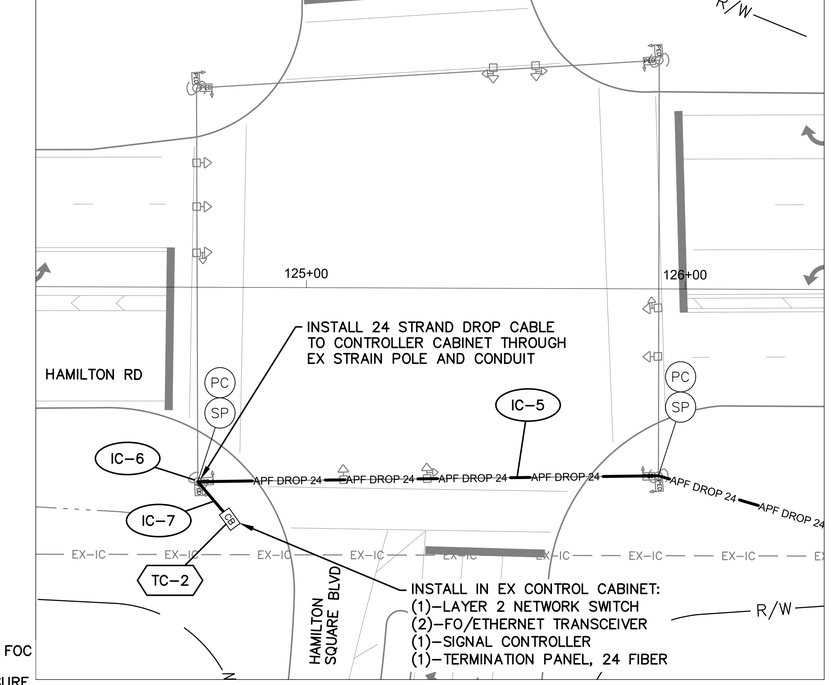


HAMILTON RD BETWEEN STATION 115+00 AND 127+00



DETAIL A - INT 2092

HORIZONTAL SCALE IN FEET (0, 20, 40)



DETAIL B - INT 2207

HORIZONTAL SCALE IN FEET (0, 20, 40)

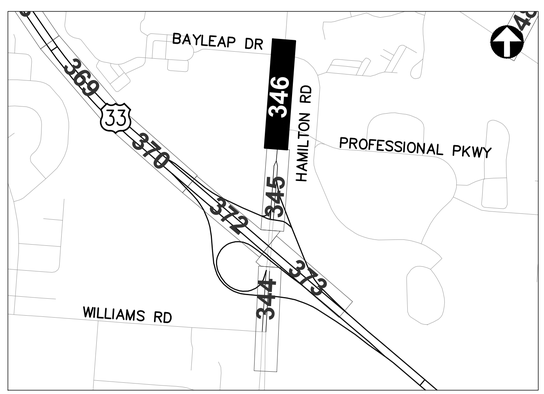
NOTES:

1. SEE SHEET 347 FOR QUANTITIES.
2. SEE SHEETS 478, 644 & 645 FOR COMMUNICATION DETAILS.
3. REMOVE EXISTING WIRELESS RADIO AND RETURN TO TRAFFIC SHOP.

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CITY OF COLUMBUS UTILITY LEGEND

- ☐ SEWER
- ☐ WATER
- ☐ POWER
- ☐ LIGHTING



REFER TO SHEET 240 FOR INTERCONNECT SHEET INDEX

KEY PLAN
NOT TO SCALE

HORIZONTAL SCALE IN FEET (0, 40, 80)

CIP: 540007–100060
PID NUMBER: 110521

INTERCONNECT PLAN
HAMILTON RD BETWEEN STA. 115+00 AND 127+00, INT 2207

CITY OF COLUMBUS TRAFFIC SIGNAL SYSTEM
(CTSS) PHASE F – FINAL SUBMITTAL

346
768

3676-E

J:\Jobs\70202 – CTSS Phase F\TECHPROD\Sheets\CTSS_PhF_Trunk4_HAMILTON_INTERCONNECT.dwg – HAMILTON–3 layout ~ last saved by: gburch 05/31/2022 11:04am ~ printed 06/02/2022 12:08pm PSLTS: 1 LTS: 1 CAS: 1:1

ESTIMATED QUANTITIES

SHEET NO.	REFERENCE NO.	LOCATION	STATION		202	202	625	625	632	632	632	632	632	632	632	632	633	633	633					
					EXISTING CONDUIT CLEANED, AS PER PLAN	REMOVAL, MISC.: REMOVE EXISTING OVERHEAD EQUIPMENT	CONDUIT, CONCRETE ENCASED, 2-3", 725.051, AS PER PLAN	TRENCH, 36" DEEP, AS PER PLAN	CONDUIT RISER, 2", 725.04, AS PER PLAN	INTERCONNECT CABLE, MISC.: FIBER OPTIC CABLE, 144 STRAND	INTERCONNECT CABLE, MISC.: FIBER OPTIC DROP CABLE, 24 STRAND	INTERCONNECT CABLE, MISC.: FIBER OPTIC FUSION SPLICE	INTERCONNECT CABLE, MISC.: OVERLASH TO EXISTING INTERCONNECT	INTERCONNECT CABLE, MISC.: TERMINATION PANEL, 24 FIBER	INTERCONNECT, MISC.: SPLICE ENCLOSURE, DOME, 288 SPLICE	MESSENGER WIRE, 7 STRAND, 1/4" DIAMETER WITH ACCESSORIES, AS PER PLAN	CONTROLLER ITEM, MISC.: FIBER OPTIC ETHERNET TRANSCEIVER, SHORT RANGE	CONTROLLER ITEM, MISC.: LAYER 2 ETHERNET SWITCH	CONTROLLER UNIT, TYPE TS2/A2, AS PER PLAN					
			FROM	TO	FT	EACH	FT	FT	EACH	FT	FT	EACH	FT	EACH	EACH	FT	EACH	EACH	EACH					
HAMILTON RD. BETWEEN STA. 93+00 AND 102+00, INTS 2088 & 2087																								
344	TC-1	HAMILTON RD	94+28, 72' LT								20			1			1	1	1					
344	IC-3	HAMILTON RD	94+28, 72' LT	94+35, 67' LT	8						8													
344	IC-2	HAMILTON RD	94+35, 67' LT								35													
344	IC-1	HAMILTON RD	94+35, 67' LT	95+34, 79' RT							222					222								
344	SE A-1	HAMILTON RD	95+34, 79' RT								125	24			1									
344	TC-2	HAMILTON RD	99+02, 47' LT						1		55			1			2	1	1					
344	IC-4	HAMILTON RD	99+02, 47' LT	99+24, 70' RT							134					134								
344	SE A-2	HAMILTON RD	99+24, 70' RT							75	125	144			1									
344	IC-5	HAMILTON RD	99+24, 70' RT	101+32, 47' RT						221			221											
344	IC-6	HAMILTON RD	101+32, 47' RT							35														
344	IC-7	HAMILTON RD	101+32, 47' RT	101+41, 40' RT	11					11														
344	IC-8	HAMILTON RD	101+41, 92' RT	101+41, 40' RT			52	52		52														
HAMILTON RD. BETWEEN STA. 106+00 AND 115+00, INT 2192																								
345	TC-1	HAMILTON RD	107+38, 44' RT						1		20			1			2	1	1					
345	IC-1	HAMILTON RD	107+38, 44' RT	109+28, 59' RT							222					222								
345	SE A-1	HAMILTON RD	109+28, 59' RT								125	24			1									
HAMILTON RD. BETWEEN STA. 115+00 AND 127+00, INTS 2092 & 2207																								
346	TC-1	HAMILTON RD	117+46, 73' RT								20			1			2	1						
346	IC-3	HAMILTON RD	117+46, 73' RT	117+56, 54' RT	22						22													
346	R-1	HAMILTON RD	117+56, 54' RT			1																		
346	IC-2	HAMILTON RD	117+56, 54' RT								35													
346	IC-1	HAMILTON RD	117+56, 54' RT	118+00, 70' RT							50					50								
346	SE A-1	HAMILTON RD	118+00, 70' RT								125	24			1									
346	IC-6	HAMILTON RD	124+71, 51' RT								35													
346	IC-7	HAMILTON RD	124+71, 51' RT	124+79, 61' RT	13						13													
346	IC-5	HAMILTON RD	124+71, 51' RT	126+64, 70' RT							196					196								
346	TC-2	HAMILTON RD	124+79, 61' RT								20			1			2	1	1					
346	IC-4	HAMILTON RD	126+64, 70' RT	126+93, 70' RT							29		29											
346	SE A-2	HAMILTON RD	126+93, 70' RT								125	24			1									
SHEET TOTAL					54	1	52	52	2	394	1,761	240	250	5	5	824	9	5	4	-	-	-	-	-

AERIAL SAG: 1.5% AERIAL SAG IS INCLUDED IN THE QUANTITIES FOR ANY AERIAL FIBER OR CABLE ITEMS.

3676-E

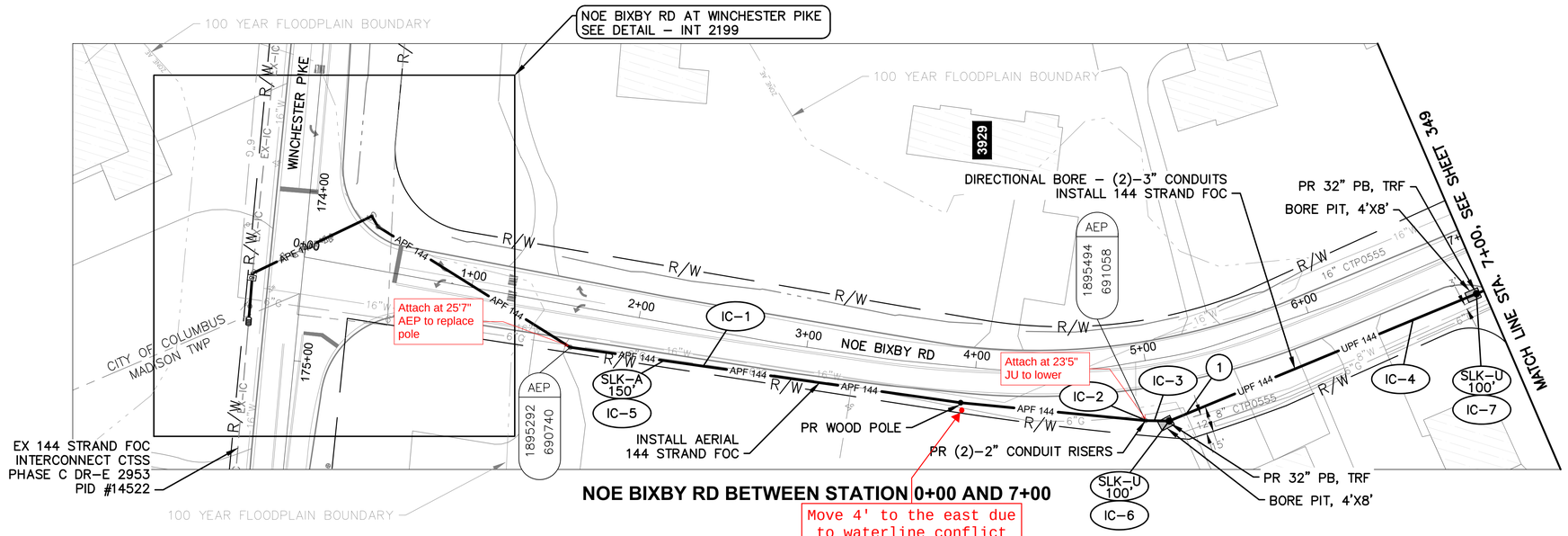
CIP: 540007-100060
PID NUMBER: 110521

HAMILTON RD BETWEEN STA. 93+00 & 127+00
INTS 2088, 2087, 2192, 2092, AND 2207

CITY OF COLUMBUS TRAFFIC SIGNAL SYSTEM
(CTSS) PHASE F – FINAL SUBMITTAL

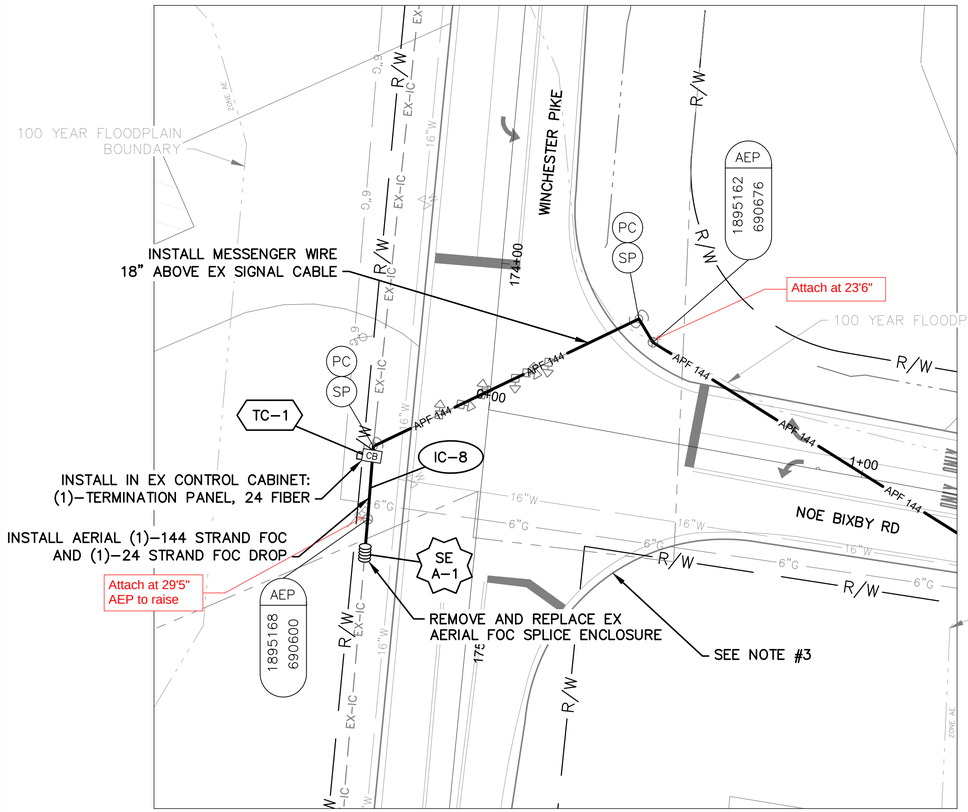
347
768

J:\Jobs\70202 – CTSS Phase F\TECHPROD\Sheets\CTSS_PhF_Trunk4_HAMILTON_IC_QUANTITIES.dwg – HAMILTON Q1 layout ~ last saved by: gburch 05/31/2022 11:04am ~ printed 06/02/2022 01:53pm PSLTS: 1 LTS: 1 CAS: 1:1



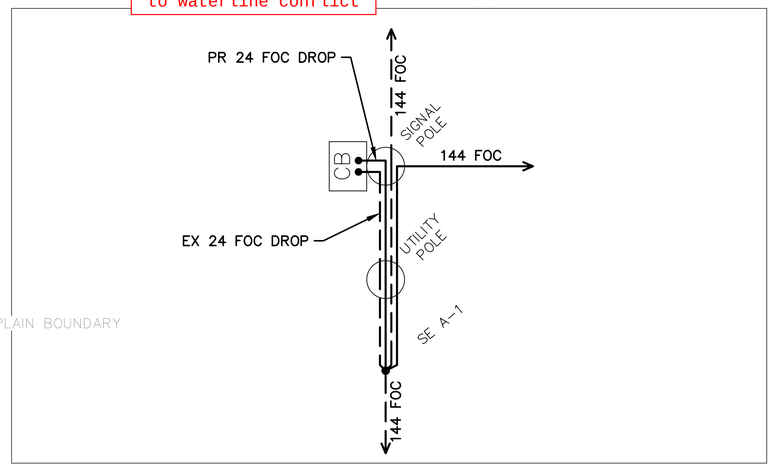
NOE BIXBY RD BETWEEN STATION 0+00 AND 7+00

Move 4' to the east due to waterline conflict



DETAIL - INT 2199

0 20 40
HORIZONTAL SCALE IN FEET



CABLE SCHEMATIC - INT 2199

NOT TO SCALE

NOTES:

1. SEE SHEET 351 FOR QUANTITIES.
2. SEE SHEETS 478 & 642 FOR COMMUNICATION DETAILS.
3. EXISTING ASBURY METHODIST CHURCH INC EASEMENT, INSTRUMENT #196606290013099.

(#) EXISTING UTILITY CROSSING. SEE UTILITY CROSSING INFO SHEET 245.

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CITY OF COLUMBUS UTILITY LEGEND

- ☐ SEWER
- ☒ WATER
- ☐ POWER
- ☐ LIGHTING



REFER TO SHEET 240 FOR INTERCONNECT SHEET INDEX

KEY PLAN
NOT TO SCALE

HORIZONTAL SCALE IN FEET
0 40 80

CIP: 540007–100060
PID NUMBER: 110521

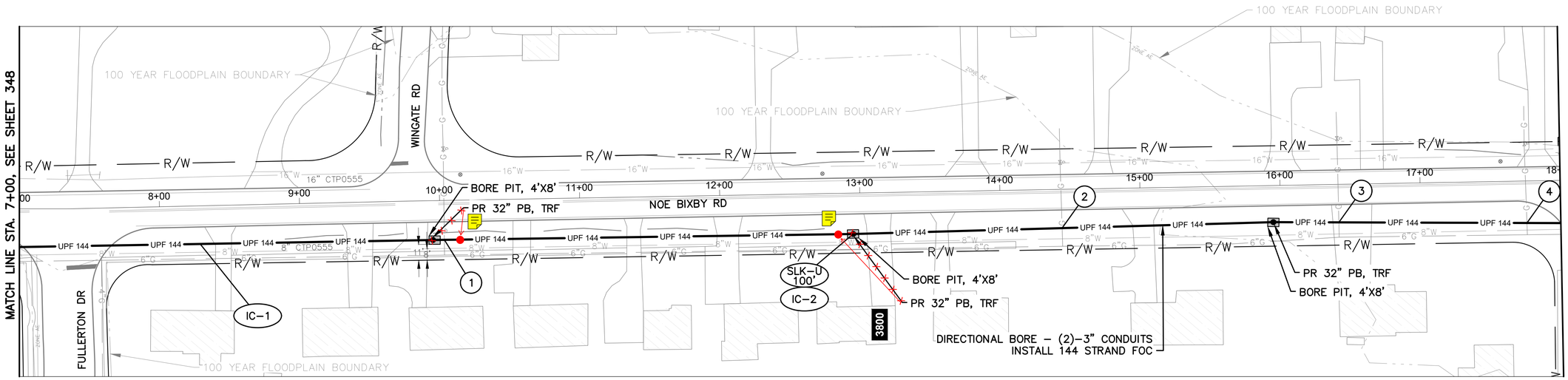
INTERCONNECT PLAN
NOE BIXBY RD BETWEEN STA. 0+00 AND 7+00, INT 2199

CITY OF COLUMBUS TRAFFIC SIGNAL SYSTEM
(CTSS) PHASE F – FINAL SUBMITTAL

348
768

3676-E

J:\Jobs\70202 – CTSS Phase F\TECHPROD\Sheets\CTSS_PhF_Trunk4_NOE BIXBY_INTERCONNECT.dwg – NOE BIXBY–1 layout ~ last saved by: nseling 05/31/2022 11:04am ~ printed 06/02/2022 12:09pm PSLTS: 1 LTS: 1 CAS: 1:1



NOE BIXBY RD BETWEEN STATION 7+00 AND 18+00

NOTES:

1. SEE SHEET 351 FOR QUANTITIES.
2. SEE SHEET 478 FOR COMMUNICATION DETAILS.

(#) EXISTING UTILITY CROSSING. SEE UTILITY CROSSING INFO SHEET 245.

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CITY OF COLUMBUS UTILITY LEGEND

- ☐ SEWER
- ☒ WATER
- ☐ POWER
- ☐ LIGHTING



REFER TO SHEET 240 FOR INTERCONNECT SHEET INDEX

KEY PLAN
NOT TO SCALE

3676-E

HORIZONTAL SCALE IN FEET
0 40 80

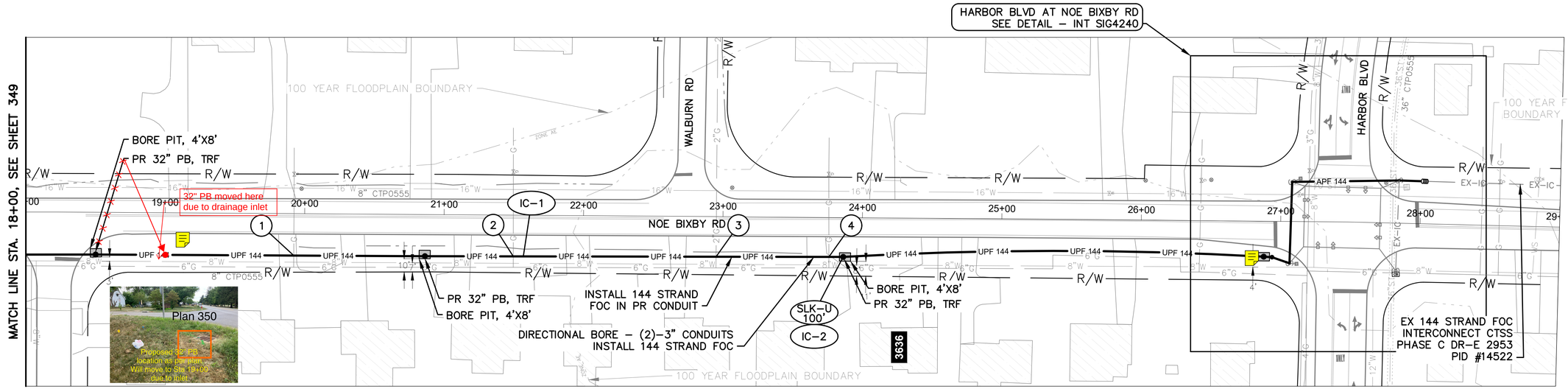
CIP: 540007-100060
PID NUMBER: 110521

INTERCONNECT PLAN
NOE BIXBY RD BETWEEN STA. 7+00 AND 18+00

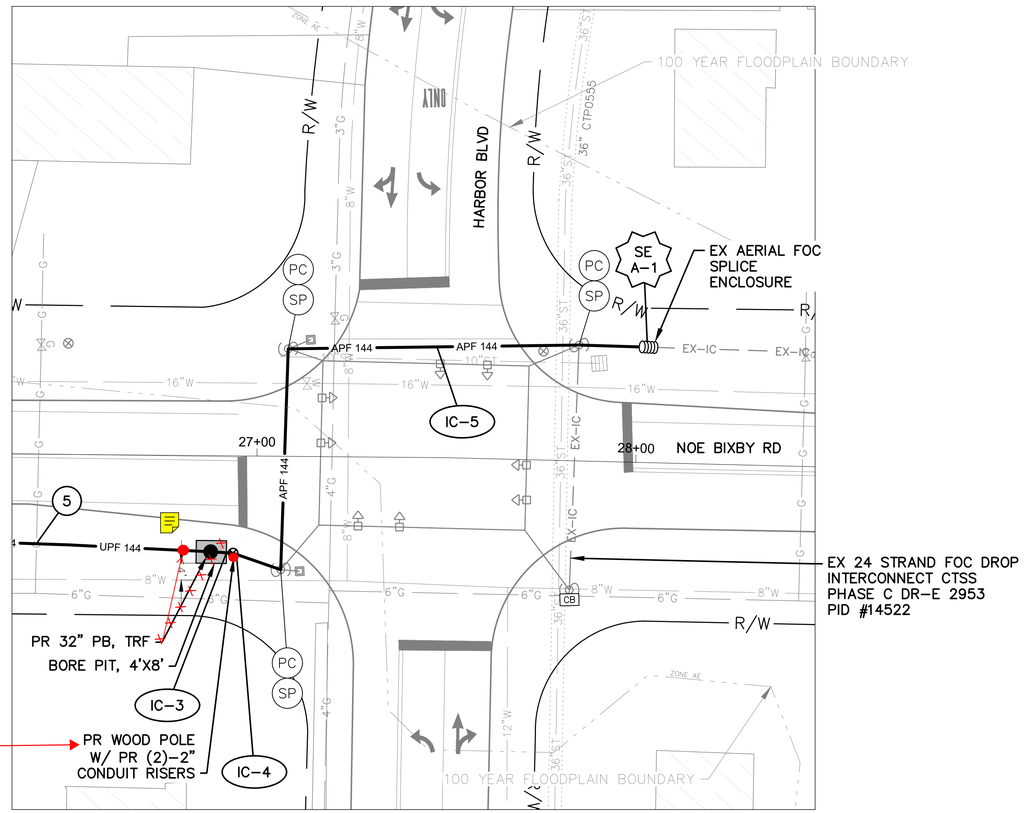
CITY OF COLUMBUS TRAFFIC SIGNAL SYSTEM
(CTSS) PHASE F - FINAL SUBMITTAL

349
768

J:\Jobs\70202 - CTSS Phase F\TECHPROD\Sheets\CTSS_PhF_Trunk4_NOE BIXBY_INTERCONNECT.dwg - NOE BIXBY-2 layout ~ last saved by: nseling 05/31/2022 11:04am ~ printed 06/02/2022 12:09pm PSLTS: 1 LTS: 1 CAS: 1:1



NOE BIXBY RD BETWEEN STATION 18+00 AND 29+00



DETAIL - INT SIG4240

HORIZONTAL SCALE IN FEET

NOTES:

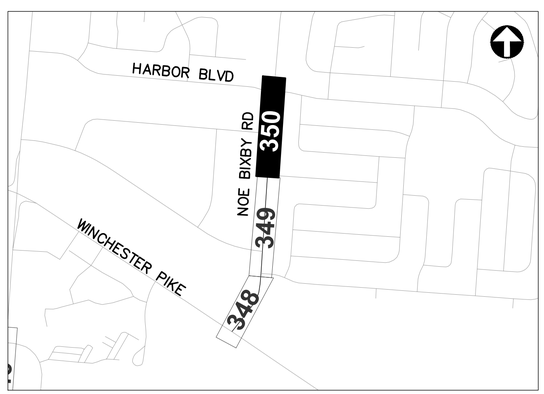
1. SEE SHEET 351 FOR QUANTITIES.
2. SEE SHEETS 478 & 641 FOR COMMUNICATION DETAILS.

(#) EXISTING UTILITY CROSSING. SEE UTILITY CROSSING INFO SHEET 245.

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CITY OF COLUMBUS UTILITY LEGEND

- ☒ SEWER
- ☒ WATER
- ☐ POWER
- ☐ LIGHTING



REFER TO SHEET 240 FOR INTERCONNECT SHEET INDEX

KEY PLAN
NOT TO SCALE

HORIZONTAL SCALE IN FEET

CIP: 540007-100060
PID NUMBER: 110521

INTERCONNECT PLAN
NOE BIXBY RD BETWEEN STA. 18+00 AND 29+00, INT SIG4240

CITY OF COLUMBUS TRAFFIC SIGNAL SYSTEM
(CTSS) PHASE F – FINAL SUBMITTAL

350
768

3676-E

J:\Jobs\70202 - C...\TECHPROD\Sheets\CTSS_PhF_Trunk4_NOE BIXBY_INTERCONNECT.dwg – NOE BIXBY–3 layout ~ last saved by: nseling 05/31/2022 11:04am ~ printed 06/02/2022 12:10pm PSLTS: 1 LTS: 1 CAS: 1:1

ESTIMATED QUANTITIES

SHEET NO.	REFERENCE NO.	LOCATION	STATION		625 CONDUIT, CONCRETE ENCASED, 2-3", 725.051, AS PER PLAN	625 CONDUIT, JACKED OR DRILLED, 3", AS PER PLAN	625 PULL BOX, CONCRETE 32", AS PER PLAN	625 TRENCH, 36" DEEP, AS PER PLAN	632 CONDUIT RISER, 2", 725.04, AS PER PLAN	632 INTERCONNECT CABLE, MISC.: FIBER OPTIC CABLE, 144 STRAND	632 INTERCONNECT CABLE, MISC.: FIBER OPTIC DROP CABLE, 24 STRAND	632 INTERCONNECT CABLE, MISC.: FIBER OPTIC FUSION SPLICE	632 INTERCONNECT CABLE, MISC.: TERMINATION PANEL, 24 FIBER	632 INTERCONNECT, MISC.: SPLICE ENCLOSURE, DOME, 800 SPLICE	632 MESSENGER WIRE, 7 STRAND, 1/4" DIAMETER WITH ACCESSORIES, AS PER PLAN	632 WOOD POLE, CLASS 5, 35 FT								
			FROM	TO	FT	FT	EACH	FT	EACH	FT	FT	EACH	EACH	EACH	FT	EACH								
NOE BIXBY RD. BETWEEN STA. 0+00 AND 7+00, INT 2199																								
348	TC-1	WINCHESTER PIKE	174+50, 29' LT								55		1											
348	IC-8	WINCHESTER PIKE	174+50, 29' LT	174+80, 29' LT							28				28									
348	SE A-1	WINCHESTER PIKE	174+80, 29' LT							75	125	168		1										
348	IC-1	WINCHESTER PIKE/NOE-BIXBY RD	174+80, 29' LT	4+94, 35' RT						596					596									
348	IC-5	NOE-BIXBY RD	2+19, 22' RT							150														
348	IC-2	NOE-BIXBY RD	4+94, 35' RT						2	35						1								
348	IC-3	NOE-BIXBY RD	4+94, 35' RT	5+08, 37' RT	14			14		14														
348	IC-6	NOE-BIXBY RD	5+08, 37' RT							100														
348	IC-4	NOE-BIXBY RD	5+08, 37' RT	7+00, 27' RT		400	2			200														
348	IC-7	NOE-BIXBY RD	6+95, 37' RT							100														
NOE BIXBY RD. BETWEEN STA. 7+00 AND 18+00																								
349	IC-1	NOE-BIXBY RD	7+00, 27' RT	18+00, 31' RT		2,202	2			1,101														
349	IC-2	NOE-BIXBY RD	12+95, 29' RT				1			100														
NOE BIXBY RD. BETWEEN STA. 18+00 AND 29+00, INT SIG4240																								
350	IC-1	NOE-BIXBY RD	18+00, 31' RT	26+88, 25' RT		1,776	3			888														
350	IC-2	NOE-BIXBY RD	23+86, 28' RT				1			100														
350	IC-3	NOE-BIXBY RD	26+88, 25' RT	26+94, 26' RT	6			6		6														
350	IC-4	NOE-BIXBY RD	26+94, 26' RT						2	35						1								
350	IC-5	NOE-BIXBY RD	26+94, 26' RT	28+03, 30' LT						170					170									
350	SE A-1	NOE-BIXBY RD	28+03, 30' LT							75		144												
SHEET TOTAL					20	4,378	9	20	4	3,745	208	312	1	1	794	2	-	-	-	-	-	-	-	-

AERIAL SAG: 1.5% AERIAL SAG IS INCLUDED IN THE QUANTITIES FOR ANY AERIAL FIBER OR CABLE ITEMS.

3676-E

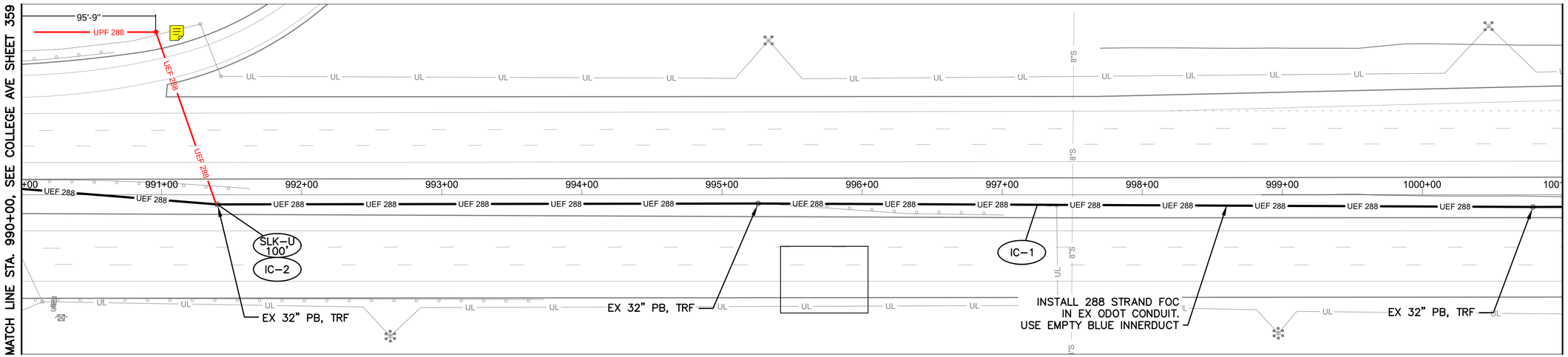
CIP: 540007-100060
PID NUMBER: 110521

NOE-BIXBY RD BETWEEN STA. 0+00 & 29+00
INTS 2199 AND SIG4240

CITY OF COLUMBUS TRAFFIC SIGNAL SYSTEM
(CTSS) PHASE F - FINAL SUBMITTAL

351
768

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I-70 BETWEEN STATION 990+00 AND 1001+00

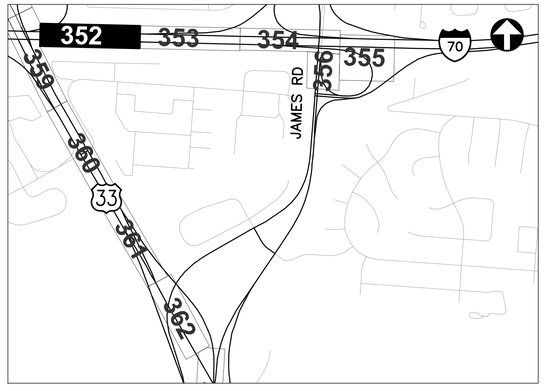
NOTES:

1. SEE SHEET 357 FOR QUANTITIES.
2. SEE SHEET 477 FOR COMMUNICATION DETAILS.
3. LIMITED ACCESS RIGHT OF WAY IS LOCATED OUTSIDE OF THE EXTENT OF VIEW SHOWN ABOVE.

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CITY OF COLUMBUS UTILITY LEGEND

- ☐ SEWER
- ☐ WATER
- ☐ POWER
- ☐ LIGHTING



REFER TO SHEET 240 FOR INTERCONNECT SHEET INDEX

KEY PLAN
NOT TO SCALE

HORIZONTAL SCALE IN FEET
0 40 80

CIP: 540007–100060
PID NUMBER: 110521

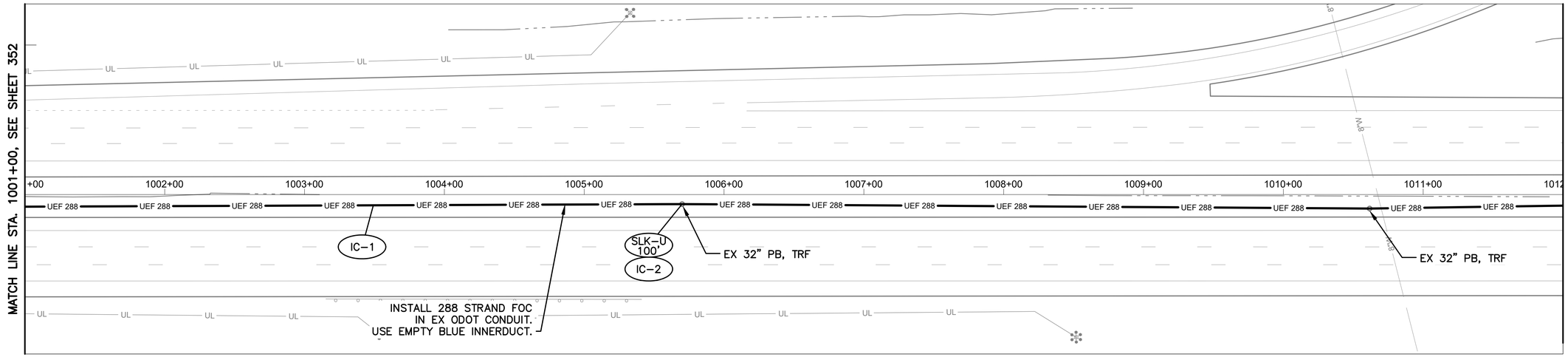
INTERCONNECT PLAN
I–70 BETWEEN STA. 990+00 AND 1001+00

CITY OF COLUMBUS TRAFFIC SIGNAL SYSTEM
(CTSS) PHASE F – FINAL SUBMITTAL

352
768

3676-E

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I-70 BETWEEN STATION 1001+00 AND 1012+00

NOTES:

1. SEE SHEET 357 FOR QUANTITIES.
2. SEE SHEET 477 FOR COMMUNICATION DETAILS.
3. LIMITED ACCESS RIGHT OF WAY IS LOCATED OUTSIDE OF THE EXTENT OF VIEW SHOWN ABOVE.

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CITY OF COLUMBUS UTILITY LEGEND

- ☐ SEWER
- ☐ WATER
- ☐ POWER
- ☐ LIGHTING



REFER TO SHEET 240 FOR INTERCONNECT SHEET INDEX

KEY PLAN
NOT TO SCALE

3676-E

HORIZONTAL SCALE IN FEET
0 40 80

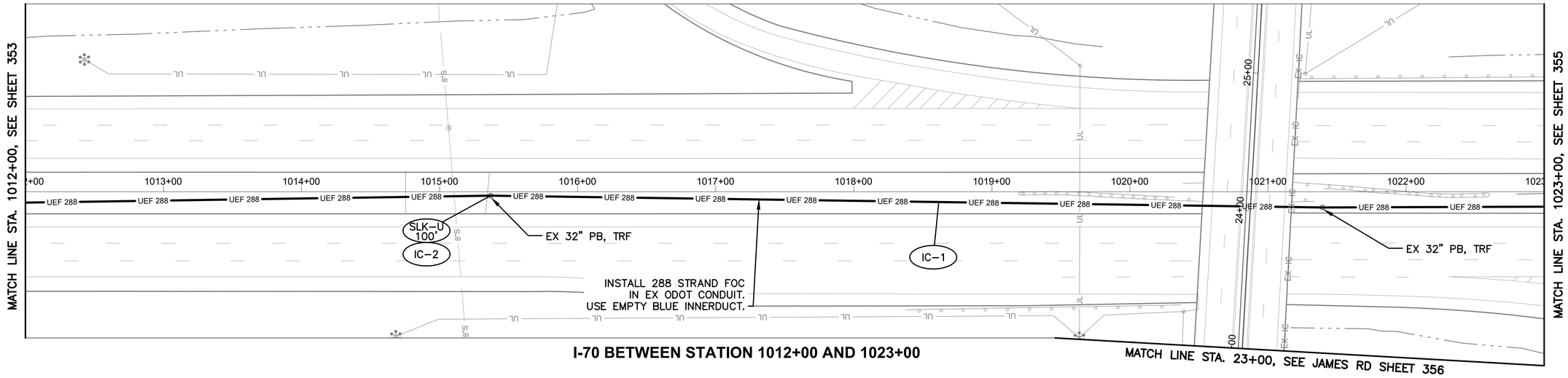
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PID NUMBER: 110521

INTERCONNECT PLAN
I-70 BETWEEN STA. 1001+00 AND 1012+00

CITY OF COLUMBUS TRAFFIC SIGNAL SYSTEM
(CTSS) PHASE F - FINAL SUBMITTAL

353
768

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I-70 BETWEEN STATION 1012+00 AND 1023+00

NOTES:

1. SEE SHEET 357 FOR QUANTITIES.
2. SEE SHEET 477 FOR COMMUNICATION DETAILS.
3. LIMITED ACCESS RIGHT OF WAY IS LOCATED OUTSIDE OF THE EXTENT OF VIEW SHOWN ABOVE.

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CITY OF COLUMBUS UTILITY LEGEND

- ☐ SEWER
- ☐ WATER
- ☐ POWER
- ☐ LIGHTING



REFER TO SHEET 240 FOR INTERCONNECT SHEET INDEX

KEY PLAN
NOT TO SCALE

HORIZONTAL SCALE IN FEET
0 40 80

CIP: 540007-100060
PID NUMBER: 110521

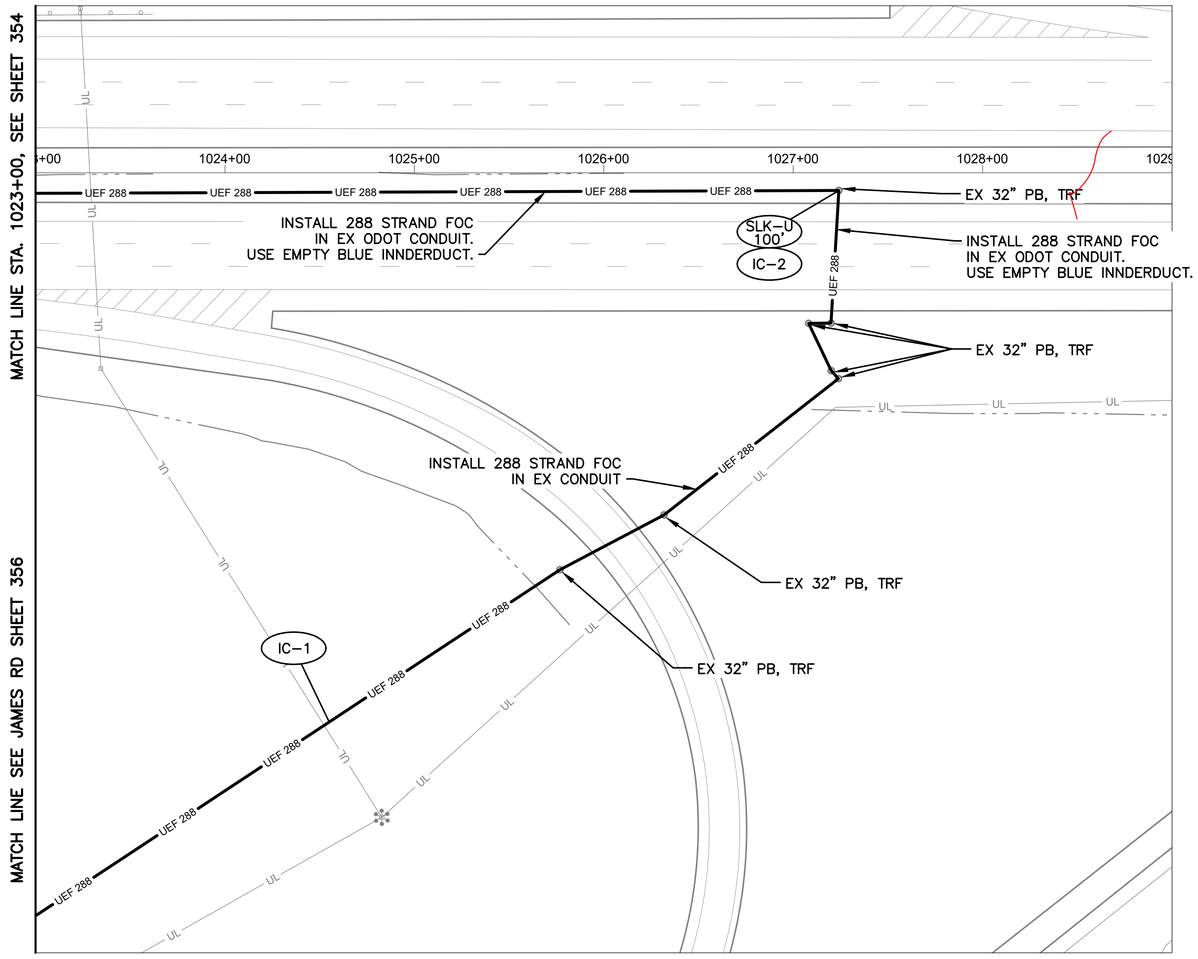
INTERCONNECT PLAN
I-70 BETWEEN STA. 1012+00 AND 1023+00

CITY OF COLUMBUS TRAFFIC SIGNAL SYSTEM
(CTSS) PHASE F - FINAL SUBMITTAL

354
768

3676-E

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I-70 BETWEEN STATION 1023+00 AND 1029+00

NOTES:

1. SEE SHEET 357 FOR QUANTITIES.
2. SEE SHEET 477 FOR COMMUNICATION DETAILS.
3. LIMITED ACCESS RIGHT OF WAY IS LOCATED OUTSIDE OF THE EXTENT OF VIEW SHOWN ABOVE.

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CITY OF COLUMBUS UTILITY LEGEND

- ☐ SEWER
- ☐ WATER
- ☐ POWER
- ☐ LIGHTING



REFER TO SHEET 240 FOR INTERCONNECT SHEET INDEX

KEY PLAN
NOT TO SCALE

HORIZONTAL SCALE IN FEET
0 40 80

CIP: 540007-100060
PID NUMBER: 110521

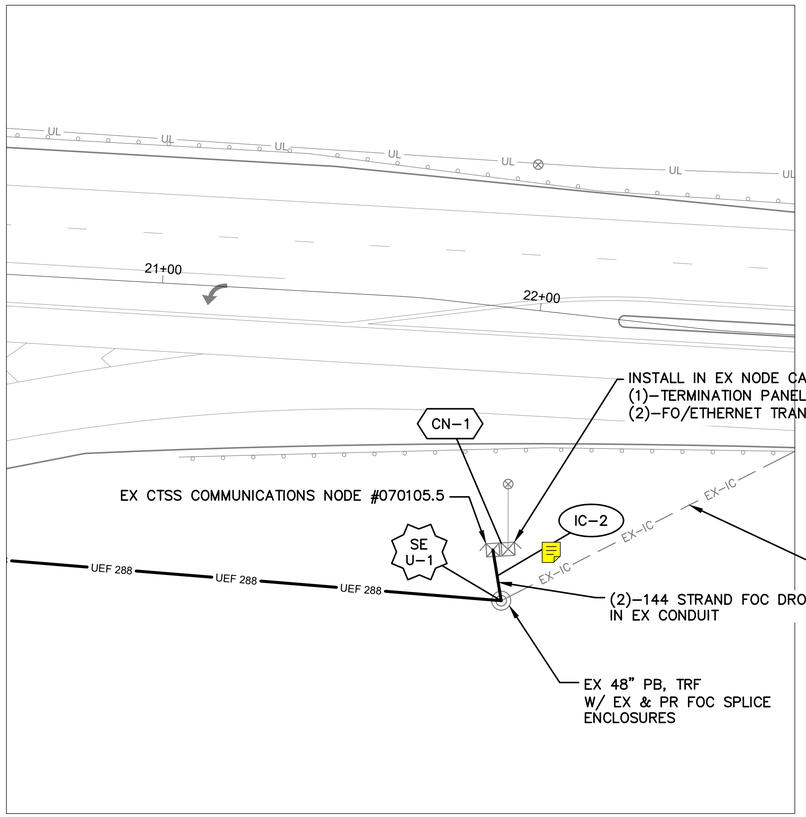
INTERCONNECT PLAN
I-70 BETWEEN STA. 1023+00 AND 1029+00

CITY OF COLUMBUS TRAFFIC SIGNAL SYSTEM
(CTSS) PHASE F – FINAL SUBMITTAL

355
768

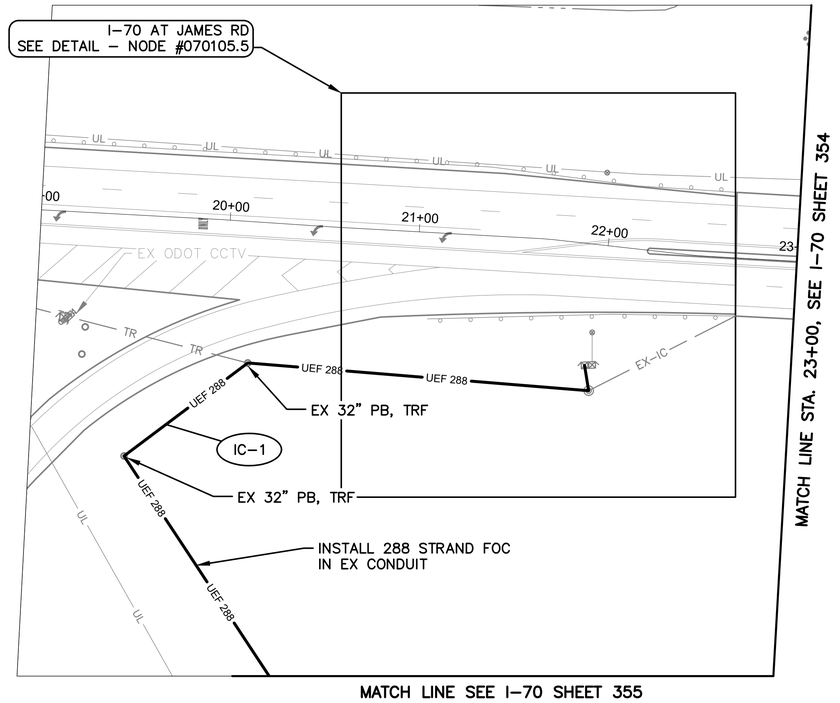
3676-E

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DETAIL - NODE #070105.5

0 20 40
HORIZONTAL
SCALE IN FEET



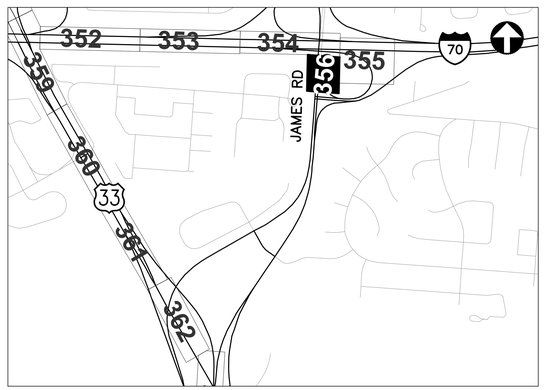
JAMES RD BETWEEN STATION 19+00 AND 23+00

NOTES:

1. SEE SHEET 357 FOR QUANTITIES.
2. SEE SHEET 477 & 716 FOR COMMUNICATION DETAILS.
3. LIMITED ACCESS RIGHT OF WAY IS LOCATED OUTSIDE OF THE EXTENT OF VIEW SHOWN ABOVE.

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CITY OF COLUMBUS
UTILITY LEGEND
- ☐ SEWER
- ☐ WATER
- ☐ POWER
- ☐ LIGHTING



REFER TO SHEET 240 FOR
INTERCONNECT SHEET INDEX

KEY PLAN
NOT TO SCALE

0 40 80
HORIZONTAL
SCALE IN FEET

CIP: 540007–100060
PID NUMBER: 110521

INTERCONNECT PLAN
STA. 19+00 AND 23+00, NODE #070105.5
JAMES RD BETWEEN STA. 19+00 AND 23+00

CITY OF COLUMBUS TRAFFIC SIGNAL SYSTEM
(CTSS) PHASE F – FINAL SUBMITTAL

356
768

3676-E

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ESTIMATED QUANTITIES

SHEET NO.	REFERENCE NO.	LOCATION	STATION		202	632	632	632	632	632	632	633												
					EXISTING CONDUIT CLEANED, AS PER PLAN	INTERCONNECT CABLE, MISC.: FIBER OPTIC CABLE, 24 STRAND	INTERCONNECT CABLE, MISC.: FIBER OPTIC CABLE, 288 STRAND	INTERCONNECT CABLE, MISC.: FIBER OPTIC FUSION SPLICE	INTERCONNECT, MISC.: PRE-TERMINATED FIBER OPTIC DROP CABLE, 144 STRAND, 150FT	INTERCONNECT, MISC.: SPLICE ENCLOSURE, DOME, 800 SPLICE	INTERCONNECT, MISC.: TERMINATION PANEL, 144 FIBER, 4 RU	CONTROLLER ITEM, MISC.: FIBER OPTIC ETHERNET TRANSCEIVER, SHORT RANGE												
			FROM	TO	FT	FT	FT	EACH	EACH	EACH	EACH	EACH												
I-70 BETWEEN STA. 990+00 AND 1001+00																								
352	IC-1	I-70	990+00, 4' RT	1001+00, 9' RT	1,100		1,100																	
352	IC-2	I-70	991+40, 7' RT				100																	
I-70 BETWEEN STA. 1001+00 AND 1012+00																								
353	IC-1	I-70	1001+00, 9' RT	1012+00, 8' RT	1,100		1,100																	
353	IC-2	I-70	1005+70, 7' RT				100																	
I-70 BETWEEN STA. 1012+00 AND 1023+00																								
354	IC-1	I-70	1012+00, 8' RT	1023+00, 11' RT	1,100		1,100																	
354	IC-2	I-70	1015+37, 3' RT				100																	
I-70 BETWEEN STA. 1023+00 AND 1029+00																								
355	IC-1	I-70	1023+00, 11' RT	1023+00, 392' RT	1,030		1,030																	
355	IC-2	I-70	1027+24, 9' RT				100																	
JAMES RD. BETWEEN STA. 19+00 AND 23+00, NODE #070105.5																								
356	IC-1	JAMES RD	20+37, 239' RT	21+98, 77' RT	401		401																	
356	CN-1	JAMES RD	21+95, 64' RT								2	2												
356	IC-2	JAMES RD	21+95, 64' RT	21+98, 77' RT	14				2															
356	SE U-1	JAMES RD	21+98, 77' RT			150	75	288		1														
SHEET TOTAL					4,745	150	5,206	288	2	1	2	2	-	-	-	-	-	-	-	-	-	-	-	-

AERIAL SAG: 1.5% AERIAL SAG IS INCLUDED IN THE QUANTITIES FOR ANY AERIAL FIBER OR CABLE ITEMS.

3676-E

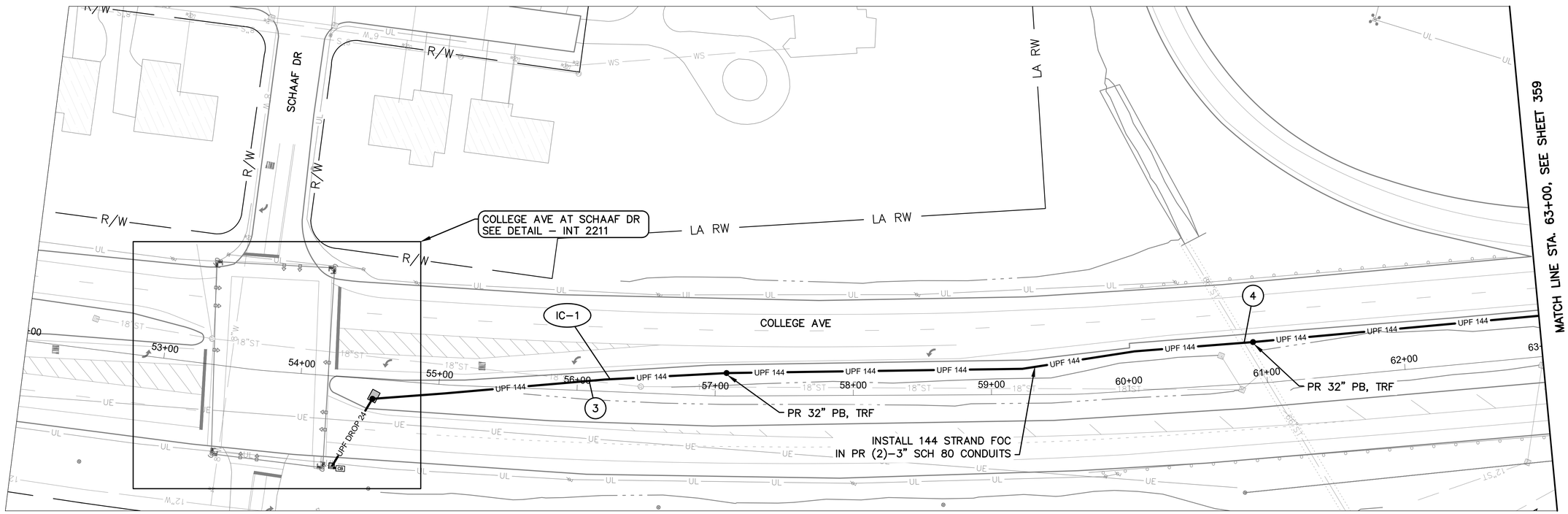
CIP: 540007-100060
PID NUMBER: 110521

I-70 BETWEEN STA. 990+00 & 1029+00 AND
JAMES RD BETWEEN STA. 19+00 & 23+00

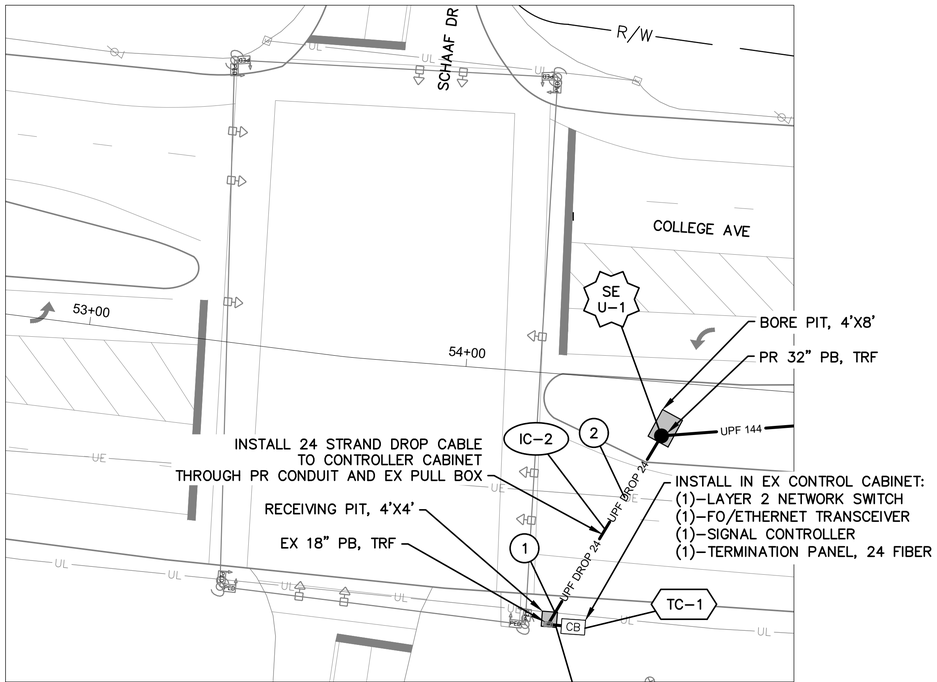
CITY OF COLUMBUS TRAFFIC SIGNAL SYSTEM
(CTSS) PHASE F - FINAL SUBMITTAL

357
768

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COLLEGE AVE BETWEEN STATION 52+00 AND 63+00



DETAIL - INT 2211

0 20 40
HORIZONTAL
SCALE IN FEET

NOTES:

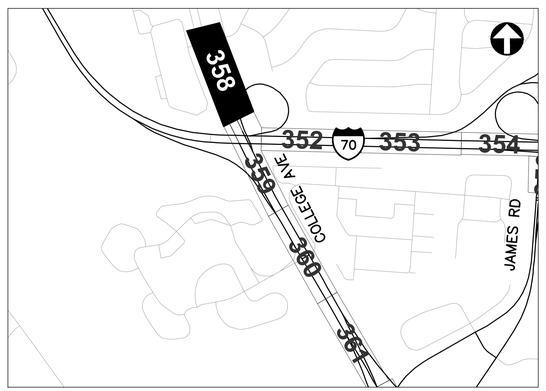
1. SEE SHEET 365 FOR QUANTITIES.
2. SEE SHEET 477 & 632 FOR COMMUNICATION DETAILS.
3. RIGHT OF WAY IS LOCATED OUTSIDE OF THE EXTENT OF VIEW SHOWN ABOVE.

(#) EXISTING UTILITY CROSSING.
SEE UTILITY CROSSING INFO
SHEET 245.

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CITY OF COLUMBUS UTILITY LEGEND

- ☒ SEWER
- ☒ WATER
- ☒ POWER
- ☒ LIGHTING



REFER TO SHEET 240 FOR
INTERCONNECT SHEET INDEX

KEY PLAN
NOT TO SCALE

3676-E

0 40 80
HORIZONTAL
SCALE IN FEET

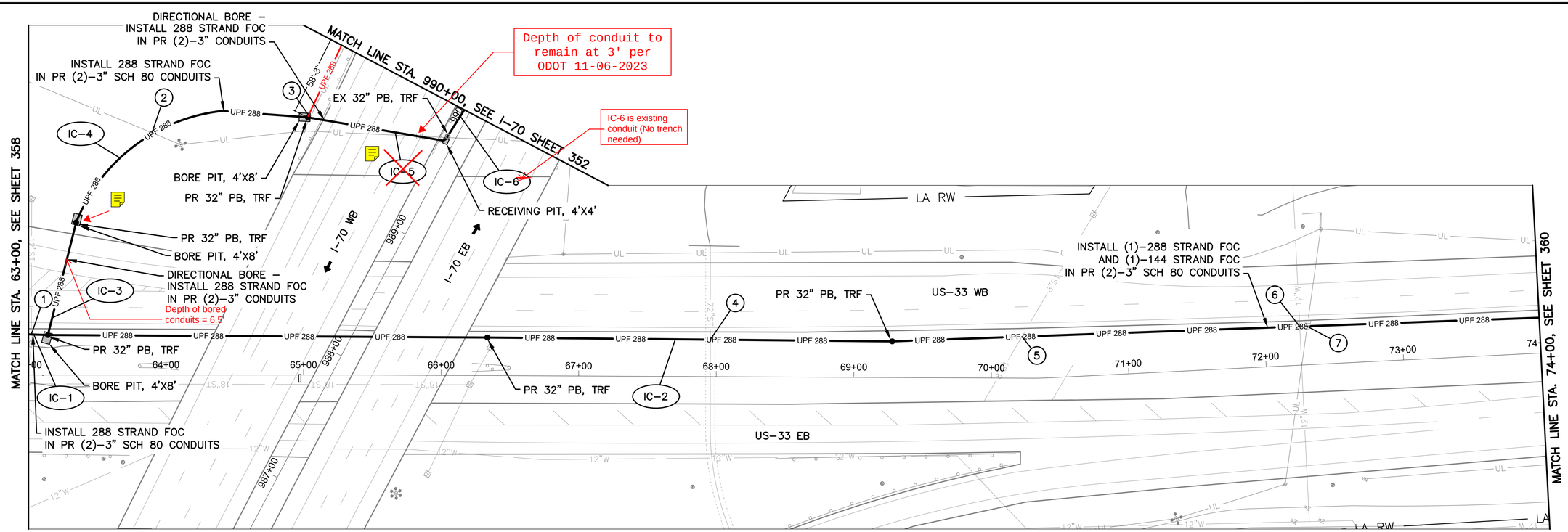
CIP: 540007–100060
PID NUMBER: 110521

INTERCONNECT PLAN
COLLEGE AVE BETWEEN STA. 52+00 AND 63+00, INT 2211

CITY OF COLUMBUS TRAFFIC SIGNAL SYSTEM
(CTSS) PHASE F – FINAL SUBMITTAL

358
768

J:\Jobs\70202 – CTSS Phase F\TECHPROD\Sheets\CTSS_PhF_Trunk4_COLLEGE_INTERCONNECT.dwg – COLLEGE–1 layout ~ last saved by gburch 05/31/2022 11:04am ~ printed 06/02/2022 12:20pm PSLTS: 1 LTS: 1 CAS: 1:1



COLLEGE AVE BETWEEN STATION 63+00 AND 74+00

NOTES:

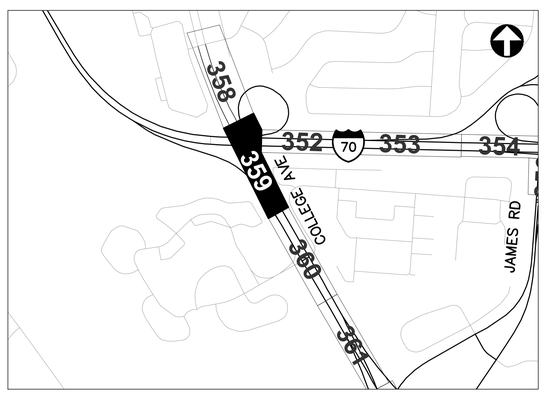
1. SEE SHEET 365 FOR QUANTITIES.
2. SEE SHEET 477 FOR COMMUNICATION DETAILS.
3. RIGHT OF WAY IS LOCATED OUTSIDE OF THE EXTENT OF VIEW SHOWN ABOVE.

(#) EXISTING UTILITY CROSSING. SEE UTILITY CROSSING INFO SHEET 245.

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CITY OF COLUMBUS UTILITY LEGEND

☒	SEWER
☒	WATER
☐	POWER
☒	LIGHTING



REFER TO SHEET 240 FOR INTERCONNECT SHEET INDEX

KEY PLAN
NOT TO SCALE

3676-E

HORIZONTAL SCALE IN FEET
0 40 80

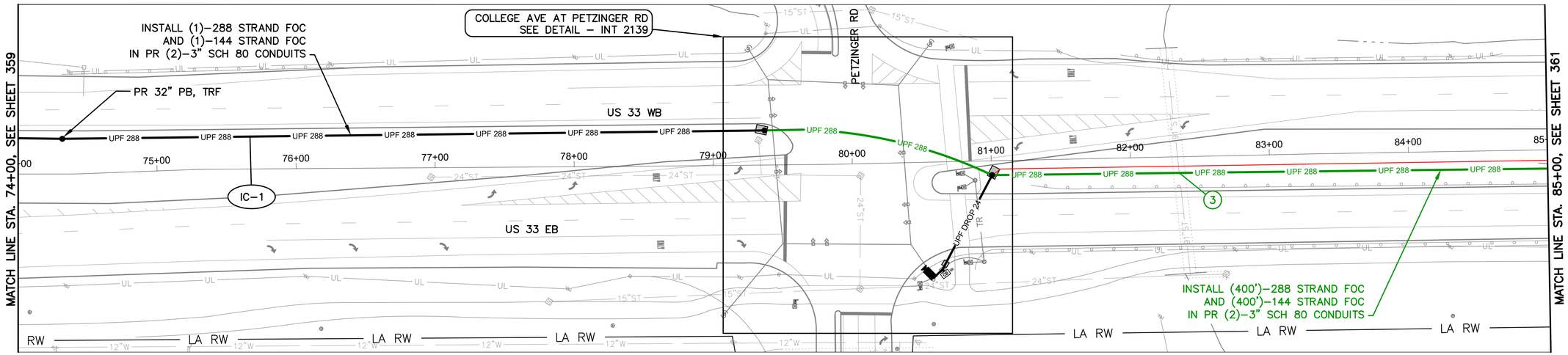
CIP: 540007–100060
PID NUMBER: 110521

INTERCONNECT PLAN
WINCHEST PIKE BETWEEN STA. 63+00 AND 74+00

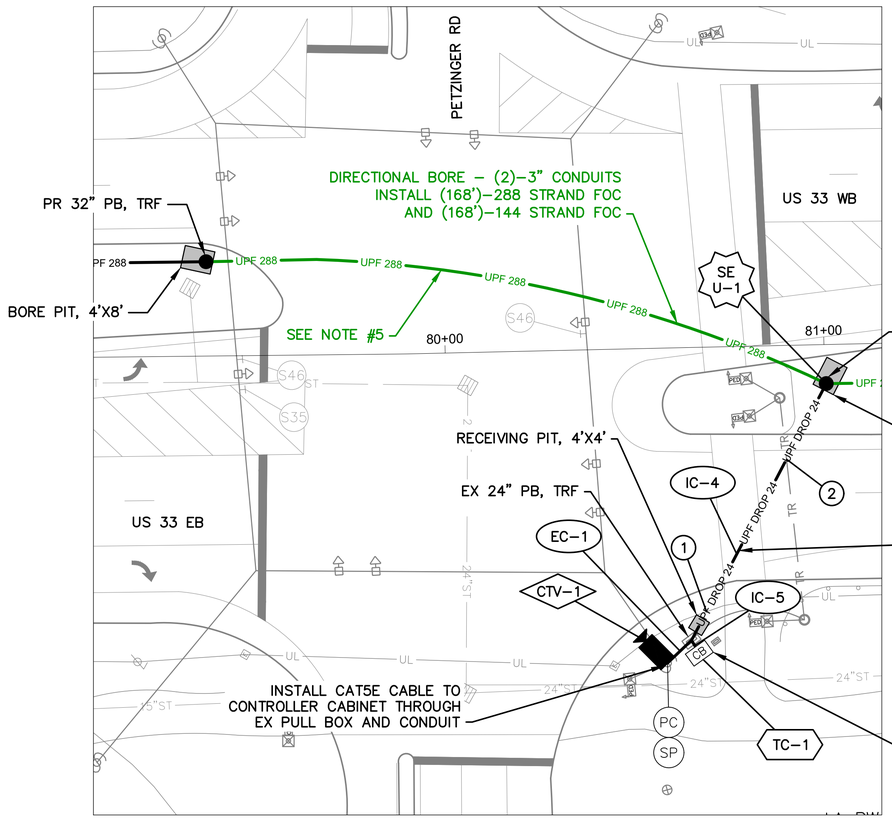
CITY OF COLUMBUS TRAFFIC SIGNAL SYSTEM
(CTSS) PHASE F – FINAL SUBMITTAL

359
768

J:\Jobs\70202 – CTSS Phase F\TECHPROD\Sheets\CTSS_PhF_Trunk4_COLLEGE_INTERCONNECT1.dwg – COLLEGE–2 layout ~ last saved by: gburch 05/31/2022 11:04am ~ printed 06/02/2022 12:21pm PSLTS: 1 LTS: 1 CAS: 1:1



COLLEGE AVE BETWEEN STATION 74+00 AND 85+00



DETAIL - INT 2139

0 20 40
HORIZONTAL
SCALE IN FEET

NOTES:

1. SEE SHEET 365 FOR QUANTITIES.
2. SEE SHEET 477 & 633 FOR COMMUNICATION DETAILS.
3. SEE SHEET 50 FOR CCTV MOUNTING DETAILS.
4. RIGHT OF WAY IS LOCATED OUTSIDE OF THE EXTENT OF VIEW SHOWN ABOVE.
5. COORDINATE CONDUIT INSTALLATION WITH US–33/REFUGEE RD REALIGNMENT PROJECT (PID 113744) TO ENSURE SUFFICIENT VERTICAL SEPARATION FROM PROPOSED STORM SEWER FACILITIES.

(#) EXISTING UTILITY CROSSING.
SEE UTILITY CROSSING INFO
SHEET 245.

OHIO Utilities Protection SERVICE
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www.oups.org

CITY OF COLUMBUS
UTILITY LEGEND

- ☒ SEWER
- ☒ WATER
- ☐ POWER
- ☒ LIGHTING



REFER TO SHEET 240 FOR
INTERCONNECT SHEET INDEX

KEY PLAN
NOT TO SCALE

3 DRAFT REVISION 3.0

3676-E

0 40 80
HORIZONTAL
SCALE IN FEET

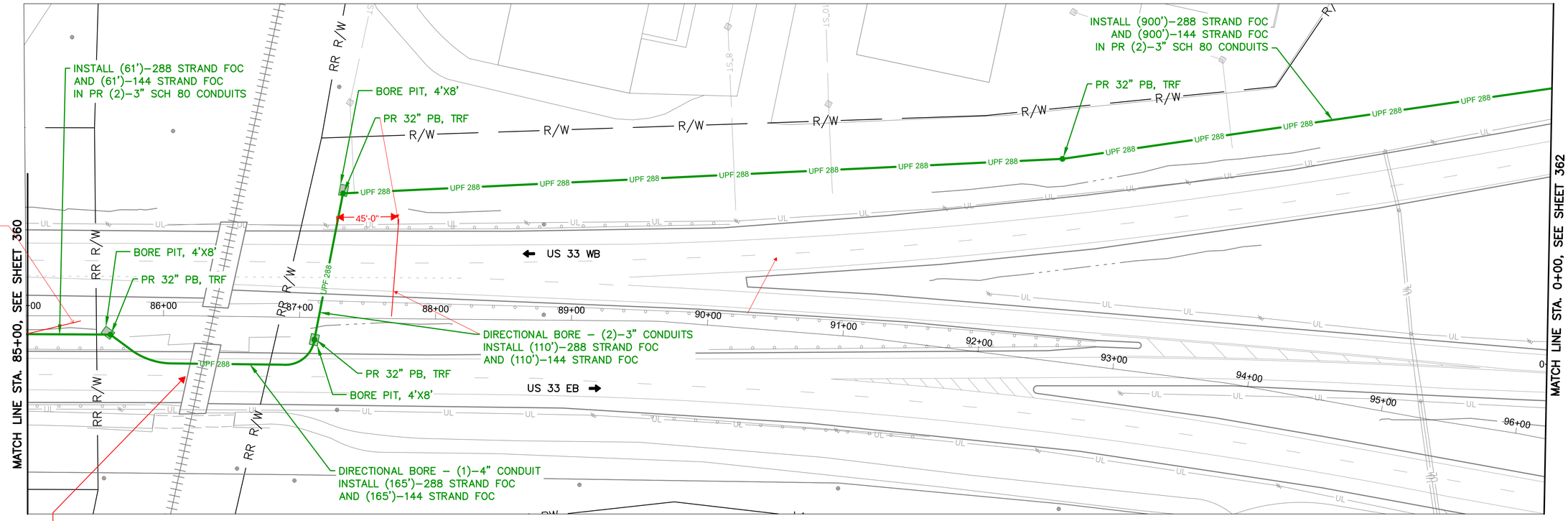
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PID NUMBER: 110521

INTERCONNECT PLAN
COLLEGE AVE BETWEEN STA. 74+00 AND 85+00, INT 2139

CITY OF COLUMBUS TRAFFIC SIGNAL SYSTEM
(CTSS) PHASE F – FINAL SUBMITTAL

360
768

\\colw00\PWWork\Jobs\70202 – CTSS Phase F\TECHPROD\Sheets\CTSS_PhF_Trunk4_COLLEGE_INTERCONNECT.dwg – COLLEGE–3 layout ~ last saved by: nseling 07/20/2023 11:25am ~ printed 07/20/2023 11:32am PSLTS: 1 LTS: 1 CAS: 1:1



Conduit moved 2' east to avoid conflict with existing fiber in field of unknown identity

Currently working with N/S if agreement from 2021 is still good. Will be completed soon

COLLEGE AVE AND US-33 BETWEEN STATION 85+00 AND 0+00

NOTES:

1. SEE SHEET 365 FOR QUANTITIES.
2. SEE SHEET 477 FOR COMMUNICATION DETAILS.
3. RIGHT OF WAY IS LOCATED OUTSIDE OF THE EXTENT OF VIEW SHOWN ABOVE.
4. RAILROAD CROSSING AT STA. 86+36, 18' RT. SEE SHEET 25 FOR RAILROAD COORDINATION DETAILS.

EXISTING UTILITY CROSSING.
SEE UTILITY CROSSING INFO
SHEET 245.

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www.oups.org

CITY OF COLUMBUS UTILITY LEGEND

- ☐ SEWER
- ☐ WATER
- ☐ POWER
- ☒ LIGHTING



REFER TO SHEET 240 FOR INTERCONNECT SHEET INDEX

KEY PLAN
NOT TO SCALE

3 DRAFT REVISION 3.0

3676-E

HORIZONTAL SCALE IN FEET
0 40 80

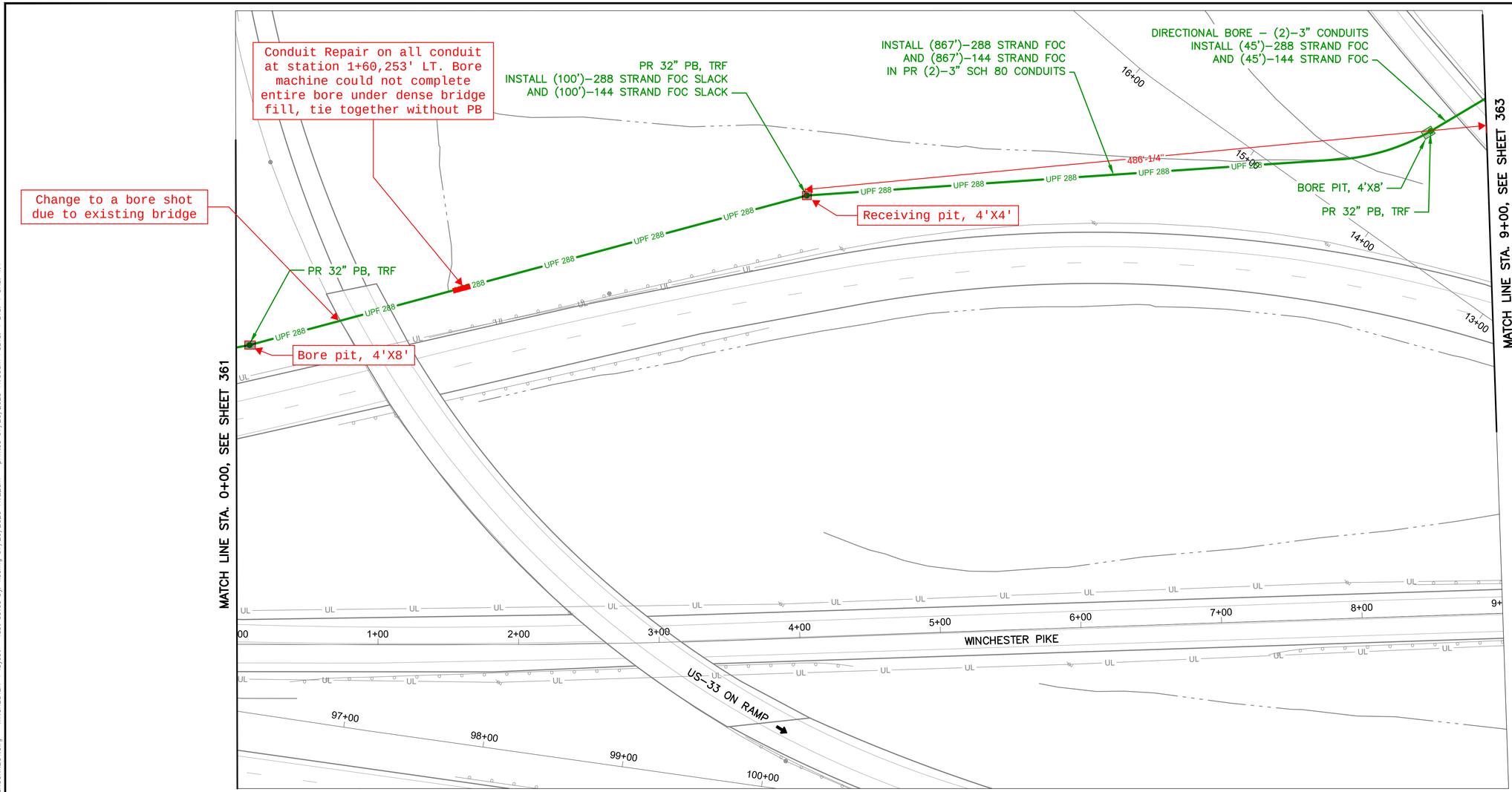
CIP: 540007–100060
PID NUMBER: 110521

INTERCONNECT PLAN
COLLEGE AVE AND US–33 BETWEEN STA. 85+00 AND 0+00

CITY OF COLUMBUS TRAFFIC SIGNAL SYSTEM
(CTSS) PHASE F – FINAL SUBMITTAL

361
768

\\colw00\PWWork\Jobs\70202 – CTSS Phase F\TECHPROD\Sheets\CTSS_PhF_Trunk4_COLLEGE_INTERCONNECT.dwg – COLLEGE-4 layout ~ last saved by: nseling 07/20/2023 11:25am ~ printed 07/20/2023 11:34am PSLTS: 1 LTS: 1 CAS: 1:1



401'-1"

WINCHESTER PIKE BETWEEN STATION 0+00 AND 9+00

NOTES:

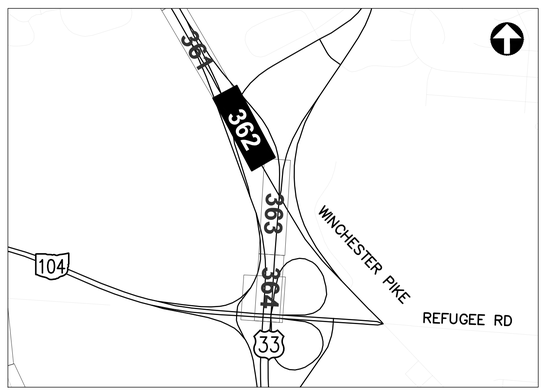
1. SEE SHEET 365 FOR QUANTITIES.
2. SEE SHEET 477 FOR COMMUNICATION DETAILS.
3. LIMITED ACCESS RIGHT OF WAY IS LOCATED OUTSIDE OF THE EXTENT OF VIEW SHOWN ABOVE.

(#) EXISTING UTILITY CROSSING. SEE UTILITY CROSSING INFO SHEET 246.

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CITY OF COLUMBUS UTILITY LEGEND

- ☐ SEWER
- ☐ WATER
- ☐ POWER
- ☒ LIGHTING



REFER TO SHEET 14 FOR INTERCONNECT SHEET INDEX

KEY PLAN
NOT TO SCALE

3 DRAFT REVISION 3.0

3676-E

HORIZONTAL SCALE IN FEET
0 40 80

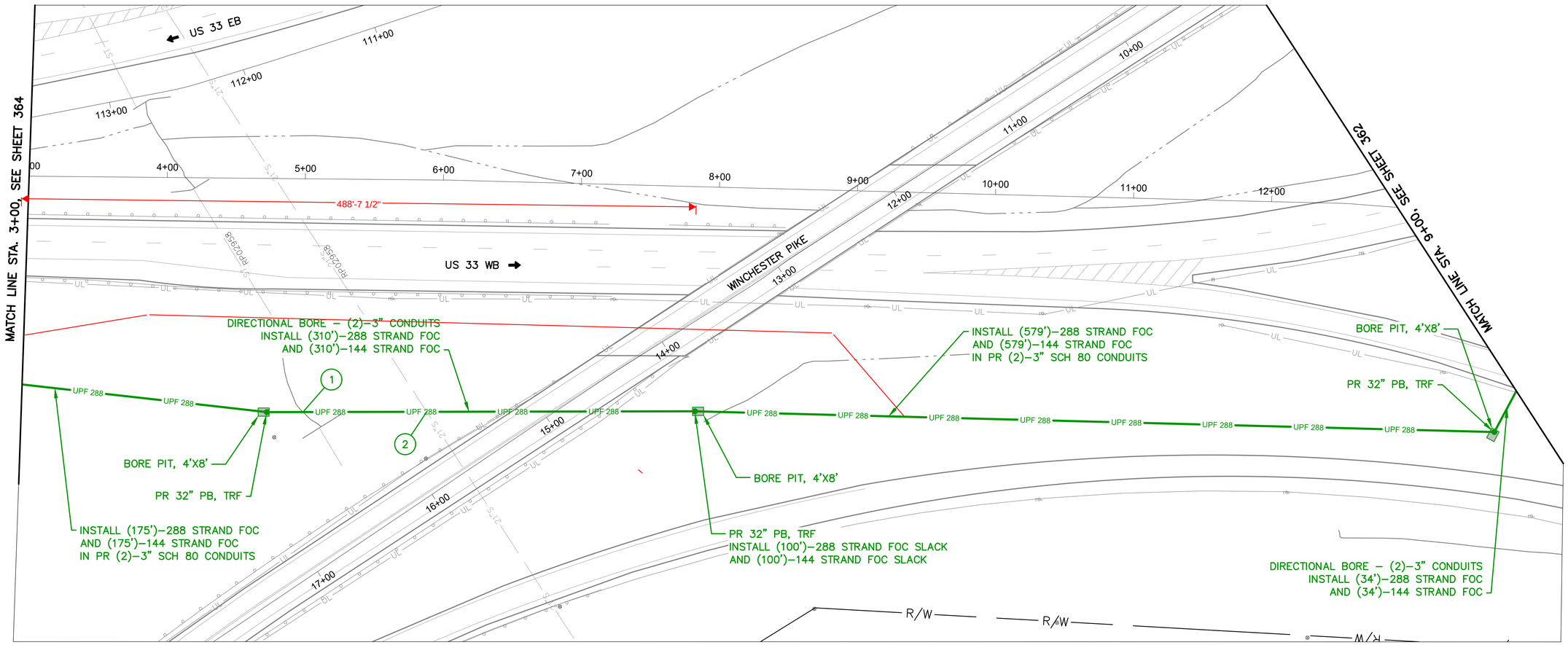
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PID NUMBER: 110521

INTERCONNECT PLAN
WINCHESTER PIKE BETWEEN STA. 0+00 AND 9+00

CITY OF COLUMBUS TRAFFIC SIGNAL SYSTEM
(CTSS) PHASE F – FINAL SUBMITTAL

362
768

\\colw001\PMWork\Jobs\70202 – CTSS Phase F\TECHPROD\Sheets\CTSS_PhF_Trunk4_WINCHESTER PIKE_INTERCONNECT.dwg – WINCHESTER–1 layout – last saved by: nseling 07/20/2023 11:22am – printed 07/20/2023 11:35am PSLTS: 1 LTS: 1 CAS: 1:1



US-33 BETWEEN STATION 3+00 AND 12+50

NOTES:

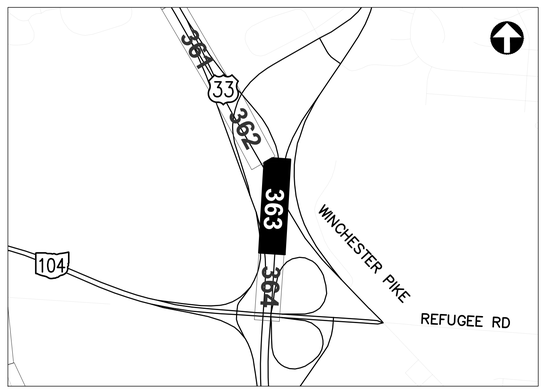
1. SEE SHEET 365 FOR QUANTITIES.
2. SEE SHEET 477 FOR COMMUNICATION DETAILS.
3. LIMITED ACCESS RIGHT OF WAY IS LOCATED OUTSIDE OF THE EXTENT OF VIEW SHOWN ABOVE.

(#) EXISTING UTILITY CROSSING. SEE UTILITY CROSSING INFO SHEET 245.

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CITY OF COLUMBUS UTILITY LEGEND

- [x] SEWER
- [ ] WATER
- [ ] POWER
- [x] LIGHTING



REFER TO SHEET 240 FOR INTERCONNECT SHEET INDEX

KEY PLAN
NOT TO SCALE

3 DRAFT REVISION 3.0

3676-E

HORIZONTAL SCALE IN FEET
0 40 80

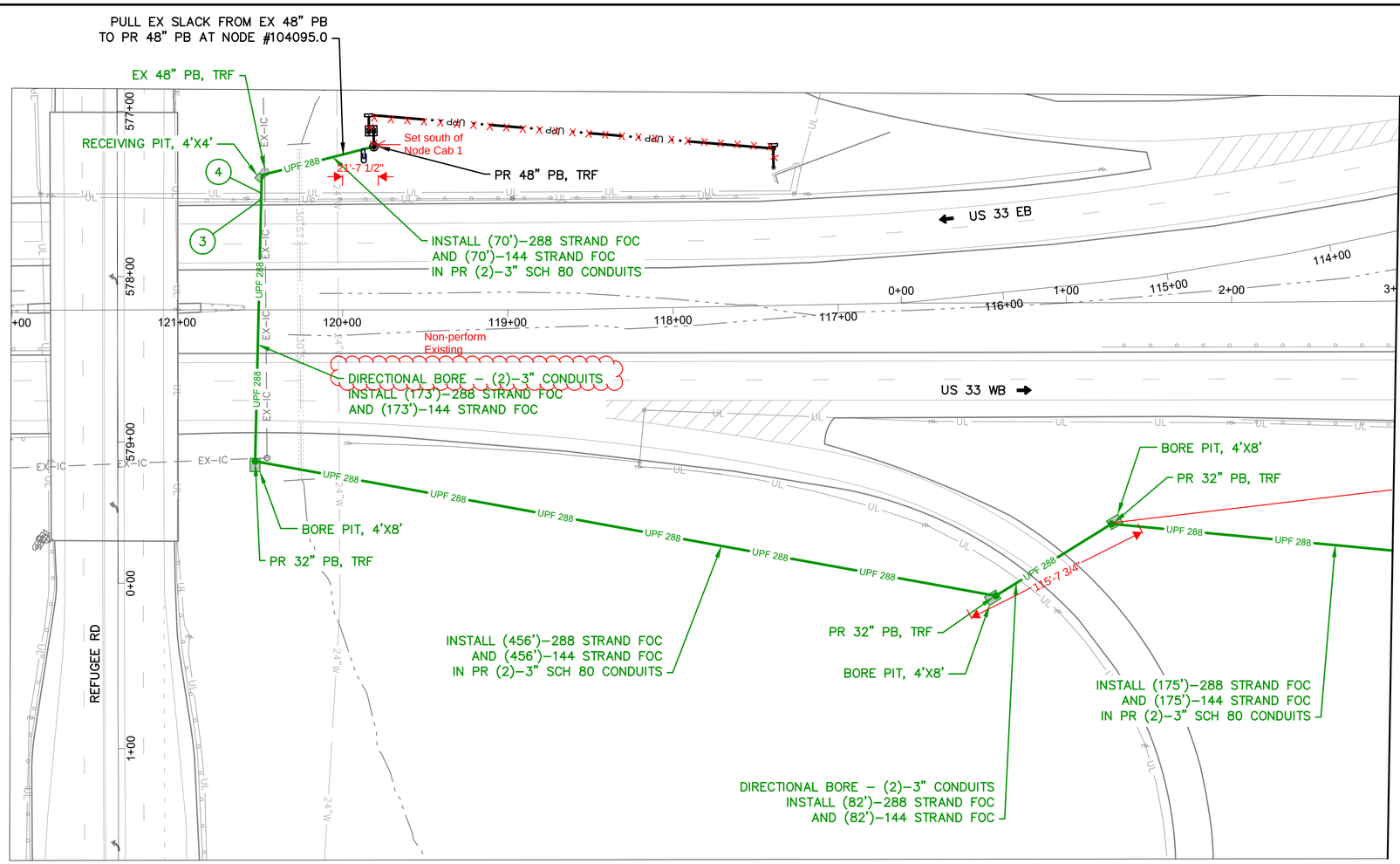
CIP: 540007–100060
PID NUMBER: 110521

INTERCONNECT PLAN
US–33 BETWEEN STA. 2+00 AND 12+50

CITY OF COLUMBUS TRAFFIC SIGNAL SYSTEM
(CTSS) PHASE F – FINAL SUBMITTAL

363
768

\\colw00\PWWork\Jobs\70202 – CTSS Phase F\TECHPROD\Sheets\CTSS_PhF_Trunk4_US–33_INTERCONNECT.dwg – US 33–2 layout ~ last saved by: nseling 07/20/2023 11:24am ~ printed 07/20/2023 11:36am PSLTS: 1 LTS: 1 CAS: 1:1



US-33 BETWEEN STATION 122+00 AND 3+00

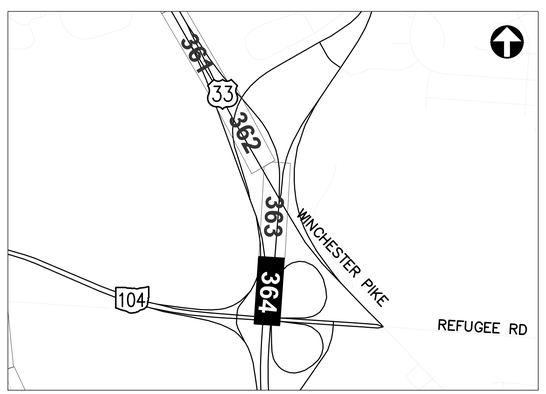
NOTES:

1. SEE SHEET 365 FOR QUANTITIES.
2. SEE SHEET 477 FOR COMMUNICATION DETAILS.
3. LIMITED ACCESS RIGHT OF WAY IS LOCATED OUTSIDE OF THE EXTENT OF VIEW SHOWN ABOVE.
4. SEE SHEET 415 FOR NODE #104095.0 INTERCONNECT PLAN.
5. SEE SHEET 263 FOR NODE #104095.0 POWER SERVICE DETAIL.

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CITY OF COLUMBUS UTILITY LEGEND

- ☐ SEWER
- ☐ WATER
- ☐ POWER
- ☐ LIGHTING



REFER TO SHEET 365 FOR INTERCONNECT SHEET INDEX

KEY PLAN
NOT TO SCALE

3 DRAFT REVISION 3.0

3676-E

HORIZONTAL SCALE IN FEET
0 40 80

CIP: 540007–100060
PID NUMBER: 110521

INTERCONNECT PLAN
US–33 BETWEEN STA. 122+00 AND 2+00

CITY OF COLUMBUS TRAFFIC SIGNAL SYSTEM
(CTSS) PHASE F – FINAL SUBMITTAL

364
768

\\colw001\PWWork\Jobs\70202 – CTSS Phase F\TECHPROD\Sheets\CTSS_PhF_Trunk4_US-33_INTERCONNECT.dwg – US 33-1 layout ~ last saved by: nseling 07/20/2023 11:24pm ~ printed 07/20/2023 11:37am PSLTS: 1 LTS: 1 CAS: 1:1

ESTIMATED QUANTITIES

SHEET NO.	REFERENCE NO.	LOCATION	STATION		202	625	625	625	625	625	632	632	632	632	632	632	632	633	633	633	633		
					EXISTING CONDUIT CLEANED, AS PER PLAN	CONDUIT, 3", AS PER PLAN	CONDUIT, JACKED OR DRILLED, 3", AS PER PLAN	PULL BOX, CONCRETE 32", AS PER PLAN	TRENCH, 36" DEEP, AS PER PLAN	TRENCH IN PAVED AREA, AS PER PLAN	INTERCONNECT CABLE, MISC.: FIBER OPTIC CABLE, 144 STRAND	INTERCONNECT CABLE, MISC.: FIBER OPTIC CABLE, 288 STRAND	INTERCONNECT CABLE, MISC.: FIBER OPTIC DROP CABLE, 24 STRAND	INTERCONNECT CABLE, MISC.: FIBER OPTIC FUSION SPLICE	INTERCONNECT CABLE, MISC.: TERMINATION PANEL, 24 FIBER	INTERCONNECT, MISC.: CAT 5E CABLE, OUTDOOR RATED	INTERCONNECT, MISC.: SPLICE ENCLOSURE, DOME, 288 SPLICE	SIGNALIZATION, MISC.: CCTV IP-CAMERA SYSTEM	CONTROLLER ITEM, MISC.: FIBER OPTIC ETHERNET TRANSCEIVER, SHORT RANGE	CONTROLLER ITEM, MISC.: LAYER 2 ETHERNET SWITCH	CONTROLLER ITEM, MISC.: POE ENABLED LAYER 2 ETHERNET SWITCH	CONTROLLER UNIT, TYPE TS2/A2, AS PER PLAN		
			FROM	TO	FT	FT	FT	EACH	FT	FT	FT	FT	FT	EACH	EACH	FT	EACH	EACH	EACH	EACH	EACH		
COLLEGE AVE. BETWEEN STA. 52+00 AND 63+00, INT 2211																							
358	IC-2	COLLEGE AVE	54+27, 66' RT	54+56, 8' RT			130		65				65										
358	IC-3	COLLEGE AVE	54+27, 66' RT	54+34, 66' RT	7								7										
358	TC-1	COLLEGE AVE	54+34, 66' RT										20		1				1	1		1	
358	SE U-1	COLLEGE AVE	54+56, 8' RT					1			75		125	12			1						
358	IC-1	COLLEGE AVE	54+56, 8' RT	63+00, 30' LT		1,686		2	843		843												
COLLEGE AVE. BETWEEN STA. 63+00 AND 74+00																							
359	IC-1	COLLEGE AVE	63+00, 30' LT	63+14, 29' LT		28		2	14		14												
359	IC-2	COLLEGE AVE	63+14, 29' LT	74+00, 26' LT		2,168			1,084		1,084	1,084											
359	IC-3	COLLEGE AVE	63+14, 29' LT	63+34, 111' LT			168	2				84											
359	IC-4	COLLEGE AVE	63+34, 111' LT	65+03, 187' LT		408			204			204											
359	IC-5	COLLEGE AVE	65+03, 187' LT	66+04, 174' LT			206	1				103											
359	IC-6	COLLEGE AVE	66+04, 174' LT	66+20, 191' LT		46			23			23											
COLLEGE AVE. BETWEEN STA. 74+00 AND 85+00, INT 2139																							
360	IC-1	COLLEGE AVE	74+00, 26' LT	79+30, 26' LT		1,060		1	530		530	530											
360	IC-2	COLLEGE AVE	79+30, 26' LT	81+00, 10' RT			348	1				174											
360	CTV-1	COLLEGE AVE	80+57, 83' RT													35		1					
360	EC-1	COLLEGE AVE	80+57, 83' RT	80+65, 81' RT	12											12							
360	IC-5	COLLEGE AVE	80+64, 77' RT	80+65, 81' RT	3								3										
360	IC-4	COLLEGE AVE	80+64, 77' RT	81+00, 10' RT			77						77										
360	TC-1	COLLEGE AVE	80+65, 81' RT										20		1	20			2		1	1	
360	SE U-1	COLLEGE AVE	81+00, 10' RT					1			150		125	24			1						
360	IC-3	COLLEGE AVE	81+00, 10' RT	85+00, 18' RT		800			400		400	400											
COLLEGE AVE. BETWEEN STA. 85+00 AND 0+00																							
361	IC-1	COLLEGE AVE	85+00, 18' RT	85+68, 19' RT		136			68		68	68											
361	IC-2	COLLEGE AVE	85+68, 19' RT	87+11, 16' RT				2		286	143	143											
361	IC-3	COLLEGE AVE	87+11, 16' RT	91+86, 6' LT		950		1	475		475	475											
361	IC-4	COLLEGE AVE	91+86, 6' LT	91+89, 46' LT			78	2			39	39											
361	IC-5	COLLEGE AVE	91+89, 46' LT	0+00, 29' LT		856		1	428		428	428											
WINCHESTER PIKE BETWEEN STA. 0+00 AND 9+00																							
362	IC-1	WINCHESTER PIKE	0+00, 29' LT	9+00, 60' LT		1,806		1	903		903	903											
362	IC-2	WINCHESTER PIKE	3+02, 36' LT					1			100	100											
US-33 BETWEEN STA. 2+00 AND 12+50																							
363	IC-1	US-33	2+00, 18' RT	12+08, 120' LT		2,216		1	1,108		1,108	1,108											
363	IC-2	US-33	6+83, 16' RT					1			100	100											
US-33 BETWEEN STA. 120+00 AND 2+00																							
364	IC-1	US-33	120+47, 83' RT	119+81, 99' RT		136			68														
364	IC-2	US-33	119+81, 99' RT	119+79, 5' RT			186				93	93											
364	IC-3	US-33	119+79, 5' RT	2+00, 18' LT		1,036		2	518		518	518											
SHEET TOTAL					22	13,332	1,193	23	6,731	286	7,071	6,577	442	36	2	67	2	1	3	1	1	2	-	-

AERIAL SAG: 1.5% AERIAL SAG IS INCLUDED IN THE QUANTITIES FOR ANY AERIAL FIBER OR CABLE ITEMS.

3676-E

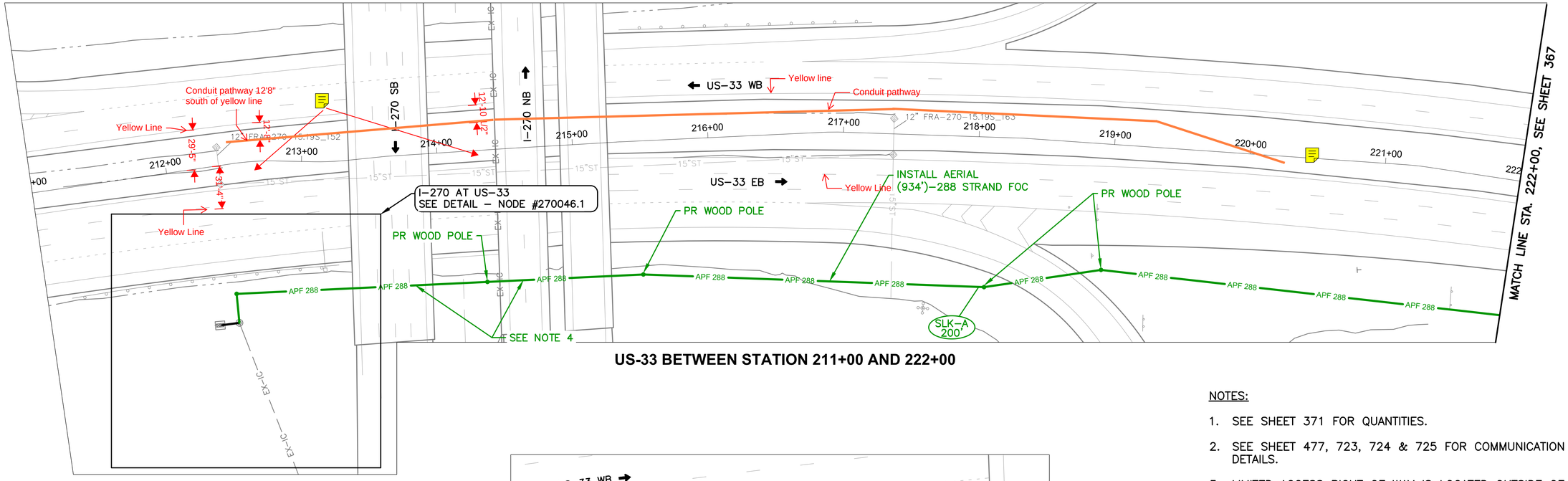
CIP: 540007-100060
PID NUMBER: 110521

COLLEGE AVE 52+00 & 96+00 AND WINCHESTER PIKE 0+00 & 9+00 AND US-33 0+00 & 12+50 AND 118+00 & 120+00 INTS 2211 AND 2139

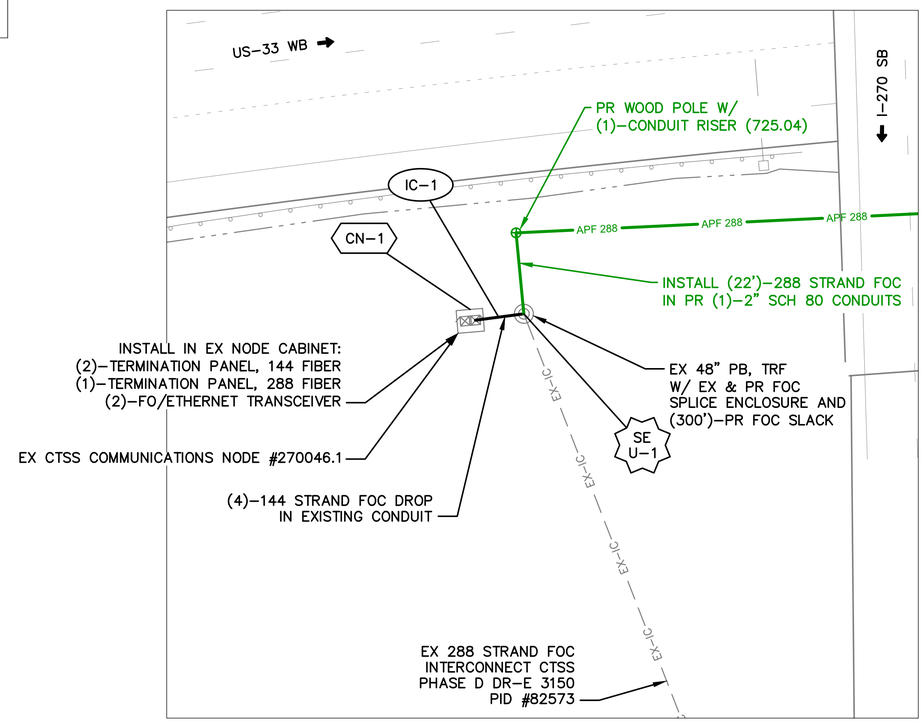
CITY OF COLUMBUS TRAFFIC SIGNAL SYSTEM
(CTSS) PHASE F – FINAL SUBMITTAL

365
768

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US-33 BETWEEN STATION 211+00 AND 222+00



DETAIL - COMMUNICATIONS NODE #270046.1

0 20 40

HORIZONTAL SCALE IN FEET

NOTES:

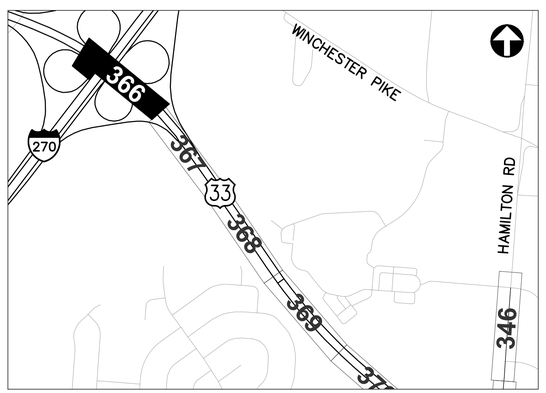
1. SEE SHEET 371 FOR QUANTITIES.
2. SEE SHEET 477, 723, 724 & 725 FOR COMMUNICATION DETAILS.
3. LIMITED ACCESS RIGHT OF WAY IS LOCATED OUTSIDE OF THE EXTENT OF VIEW SHOWN ABOVE.
4. 288 STRAND FOC SHALL CROSS UNDER EXISTING BRIDGE AND HAVE NO ATTACHMENTS TO EXISTING STRUCTURES.

(#) EXISTING UTILITY CROSSING. SEE UTILITY CROSSING INFO SHEET 245.

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CITY OF COLUMBUS UTILITY LEGEND

- [x] SEWER
- [ ] WATER
- [ ] POWER
- [ ] LIGHTING



REFER TO SHEET 240 FOR INTERCONNECT SHEET INDEX

KEY PLAN
NOT TO SCALE

12 DRAFT REVISION 12.0

3676-E

0 40 80

HORIZONTAL SCALE IN FEET

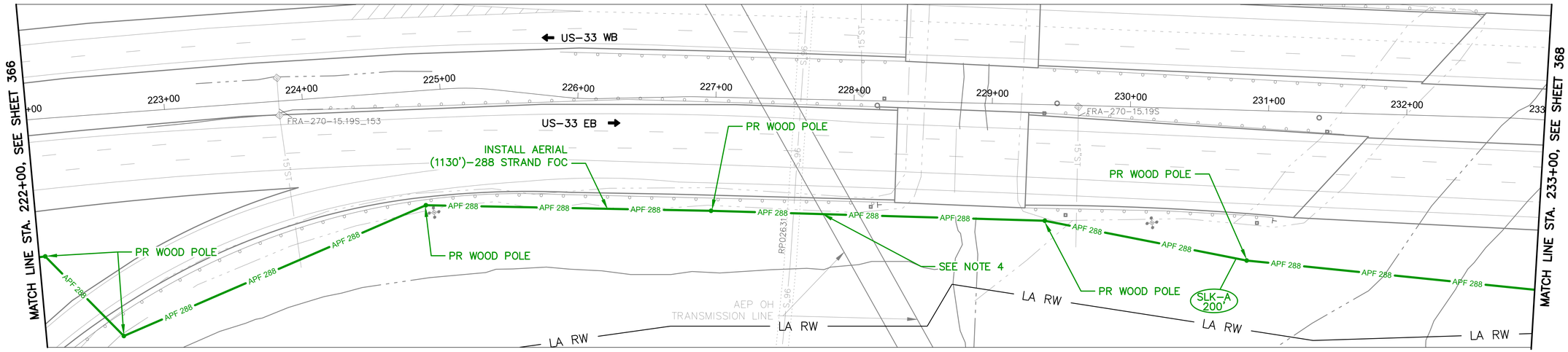
CIP: 540007-100060
PID NUMBER: 110521

INTERCONNECT PLAN
US-33 BETWEEN STA. 211+00 AND 222+00, NODE #270046.1

CITY OF COLUMBUS TRAFFIC SIGNAL SYSTEM
(CTSS) PHASE F - FINAL SUBMITTAL

366
768

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US-33 BETWEEN STATION 222+00 AND 233+00

NOTES:

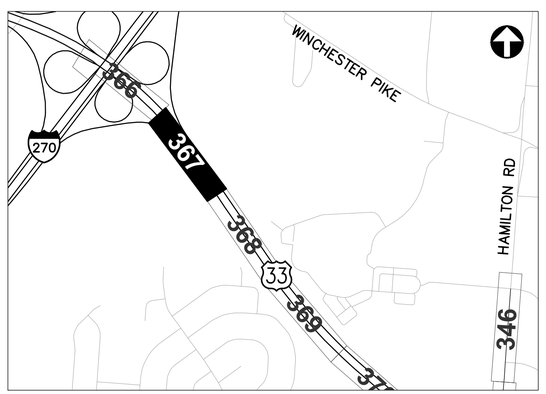
1. SEE SHEET 371 FOR QUANTITIES.
2. SEE SHEET 479 FOR COMMUNICATION DETAILS.
3. LIMITED ACCESS RIGHT OF WAY IS LOCATED OUTSIDE OF THE EXTENT OF VIEW SHOWN ABOVE.
4. CONTRACTOR TO ADHERE TO NESC REQUIREMENTS FOR CLEARANCE FROM TRANSMISSION LINES.

(#) EXISTING UTILITY CROSSING.
SEE UTILITY CROSSING INFO SHEET 246.

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CITY OF COLUMBUS UTILITY LEGEND

- [x] SEWER
- [ ] WATER
- [ ] POWER
- [ ] LIGHTING



REFER TO SHEET 240 FOR INTERCONNECT SHEET INDEX

KEY PLAN
NOT TO SCALE

12 DRAFT REVISION 12.0

3676-E

HORIZONTAL SCALE IN FEET
0 40 80

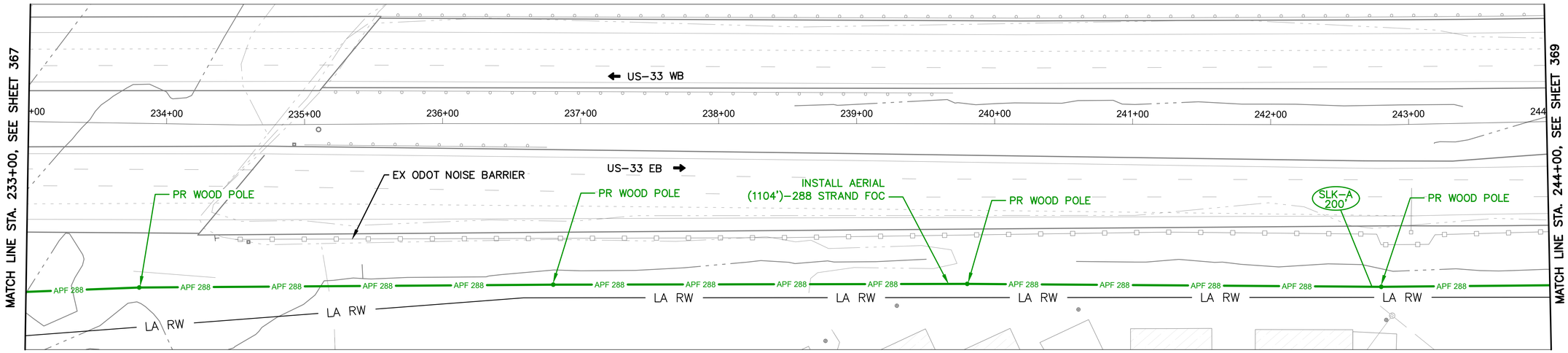
CIP: 540007-100060
PID NUMBER: 110521

INTERCONNECT PLAN
US-33 BETWEEN STA. 222+00 AND 233+00

CITY OF COLUMBUS TRAFFIC SIGNAL SYSTEM
(CTSS) PHASE F - FINAL SUBMITTAL

367
768

J:\Jobs\70202 - CTSS Phase F\TECHPROD\Sheets\CTSS_PhF_Trunk4_US-33-2_INTERCONNECT.dwg - US 33-13 layout ~ last saved by: jkeans 09/27/2024 02:04pm ~ printed 10/01/2024 09:57am PSLTS: 1 LTS: 1 CAS: 1:1



US-33 BETWEEN STATION 233+00 AND 244+00

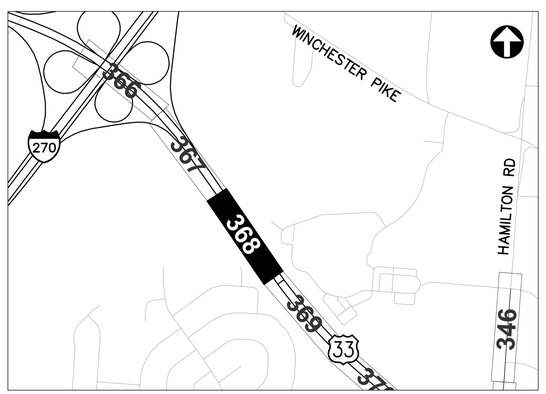
NOTES:

1. SEE SHEET 371 FOR QUANTITIES.
2. SEE SHEETS 479 FOR COMMUNICATION DETAILS.
3. LIMITED ACCESS RIGHT OF WAY IS LOCATED OUTSIDE OF THE EXTENT OF VIEW SHOWN ABOVE.

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CITY OF COLUMBUS UTILITY LEGEND

☒	SEWER
☐	WATER
☐	POWER
☐	LIGHTING



REFER TO SHEET 240 FOR INTERCONNECT SHEET INDEX

KEY PLAN
NOT TO SCALE

12 DRAFT REVISION 12.0

3676-E

HORIZONTAL SCALE IN FEET
0 40 80

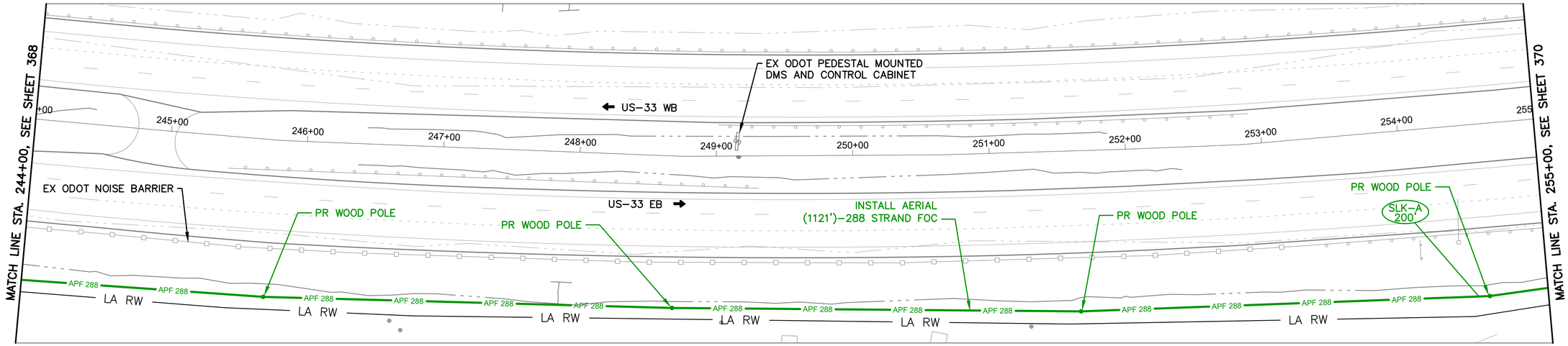
CIP: 540007-100060
PID NUMBER: 110521

INTERCONNECT PLAN
US-33 BETWEEN STA. 233+00 AND 244+00

CITY OF COLUMBUS TRAFFIC SIGNAL SYSTEM
(CTSS) PHASE F - FINAL SUBMITTAL

368
768

J:\Jobs\70202 - CTSS Phase F\TECHPROD\Sheets\CTSS_PhF_Trunk4_US-33-2_INTERCONNECT.dwg - US 33-14 layout ~ last saved by: jkeans 09/27/2024 02:04pm ~ printed 10/01/2024 09:59am PSLTS: 1 LTS: 1 CAS: 1:1



US-33 BETWEEN STATION 244+00 AND 255+00

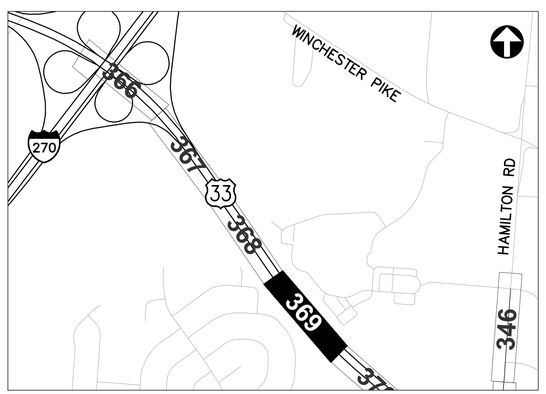
NOTES:

1. SEE SHEET 371 FOR QUANTITIES.
2. SEE SHEETS 479 FOR COMMUNICATION DETAILS.
3. LIMITED ACCESS RIGHT OF WAY IS LOCATED OUTSIDE OF THE EXTENT OF VIEW SHOWN ABOVE.

OHIO Utilities Protection SERVICE
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www.oups.org

CITY OF COLUMBUS UTILITY LEGEND

- ☐ SEWER
- ☐ WATER
- ☐ POWER
- ☐ LIGHTING



REFER TO SHEET 240 FOR INTERCONNECT SHEET INDEX

KEY PLAN
NOT TO SCALE

12 DRAFT REVISION 12.0

3676-E

HORIZONTAL SCALE IN FEET
0 40 80

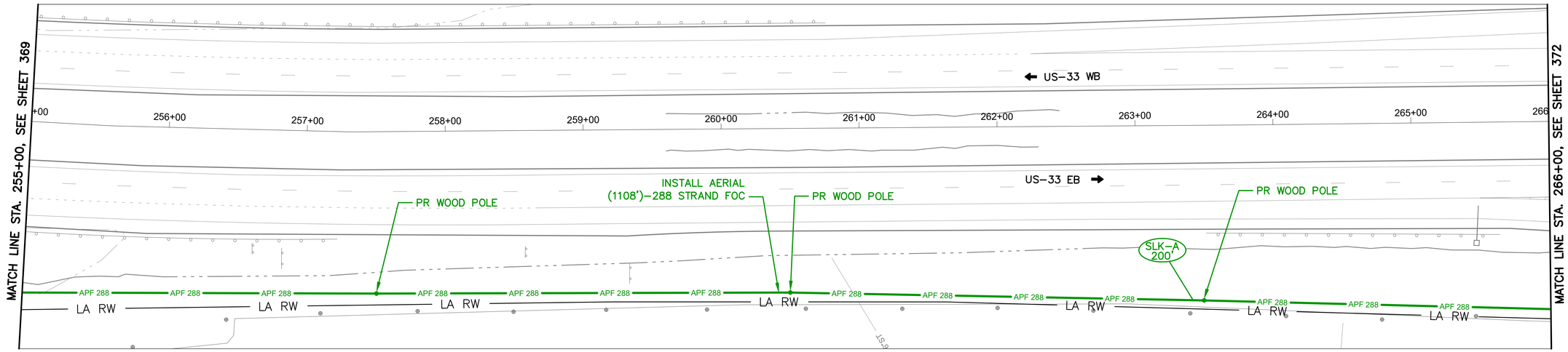
CIP: 540007–100060
PID NUMBER: 110521

INTERCONNECT PLAN
US–33 BETWEEN STA. 244+00 AND 255+00

CITY OF COLUMBUS TRAFFIC SIGNAL SYSTEM
(CTSS) PHASE F – FINAL SUBMITTAL

369
768

J:\Jobs\70202 – CTSS Phase F\TECHPROD\Sheets\CTSS_PhF_Trunk4_US-33-2_INTERCONNECT.dwg – US 33-15 layout ~ last saved by: jkeans 09/27/2024 02:04pm ~ printed 10/01/2024 10:01am PSLTS: 1 LTS: 1 CAS: 1:1



US-33 BETWEEN STATION 255+00 AND 266+00

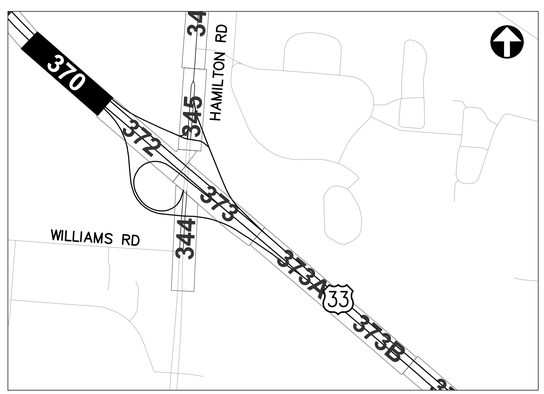
NOTES:

1. SEE SHEET 371 FOR QUANTITIES.
2. SEE SHEET 479 FOR COMMUNICATION DETAILS.
3. LIMITED ACCESS RIGHT OF WAY IS LOCATED OUTSIDE OF THE EXTENT OF VIEW SHOWN ABOVE.

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CITY OF COLUMBUS UTILITY LEGEND

- ☐ SEWER
- ☐ WATER
- ☐ POWER
- ☐ LIGHTING



REFER TO SHEET 240 FOR INTERCONNECT SHEET INDEX

KEY PLAN
NOT TO SCALE

12 DRAFT REVISION 12.0

3676-E

HORIZONTAL SCALE IN FEET
0 40 80

CIP: 540007–100060
PID NUMBER: 110521

INTERCONNECT PLAN
US–33 BETWEEN STA. 255+00 AND 266+00

CITY OF COLUMBUS TRAFFIC SIGNAL SYSTEM
(CTSS) PHASE F – FINAL SUBMITTAL

370
768

J:\Jobs\70202 – CTSS Phase F\TECHPROD\Sheets\CTSS_PhF_Trunk4_US–33–3_INTERCONNECT.dwg – US 33–16 layout ~ last saved by: jkeans 09/30/2024 01:17pm ~ printed 10/01/2024 10.03am PSLTS: 1 LTS: 1 CAS: 1:1

ESTIMATED QUANTITIES

SHEET NO.	REFERENCE NO.	LOCATION	STATION		202	625	625	625	625	632	632	632	632	632	632	632	633							
					EXISTING CONDUIT CLEANED, AS PER PLAN	CONDUIT, 3", AS PER PLAN	CONDUIT, JACKED OR DRILLED, 3", AS PER PLAN	PULL BOX, CONCRETE 32", AS PER PLAN	TRENCH, 36" DEEP, AS PER PLAN	INTERCONNECT CABLE, MISC.: FIBER OPTIC CABLE, 24 STRAND	INTERCONNECT CABLE, MISC.: FIBER OPTIC CABLE, 288 STRAND	INTERCONNECT CABLE, MISC.: FIBER OPTIC FUSION SPLICE	INTERCONNECT, MISC.: PRE-TERMINATED FIBER OPTIC DROP CABLE, 144 STRAND, 150FT	INTERCONNECT, MISC.: SPLICE ENCLOSURE, DOME, 288 SPLICE	INTERCONNECT, MISC.: TERMINATION PANEL, 144 FIBER, 4 RU	INTERCONNECT, MISC.: TERMINATION PANEL, 288 FIBER, 4 RU	CONTROLLER ITEM, MISC.: FIBER OPTIC ETHERNET TRANSCEIVER, SHORT RANGE							
			FROM	TO	FT	FT	FT	EACH	FT	FT	FT	EACH	EACH	EACH	EACH	EACH	EACH							
US-33 BETWEEN STA. 211+00 AND 222+00, NODE #270046.1																								
366	CN-1	US-33	212+24, 117' RT												2	1	2							
366	IC-1	US-33	212+24, 117' RT	212+37, 117' RT	13								4											
366	IC-2	US-33	212+37, 117' RT	212+43, 7' RT			218	1			109													
366	SE U-1	US-33	212+37, 117' RT							450	75	576		3										
366	IC-3	US-33	212+43, 7' RT	222+00, 4' RT		1,910			955		955													
366	IC-4	US-33	218+09, 4' RT					1			100													
US-33 BETWEEN STA. 222+00 AND 233+00																								
367	IC-1	US-33	222+00, 4' RT	228+16, 10' RT		1,230		1	615		615													
367	IC-2	US-33	228+16, 10' RT	233+00, 25' RT	495						495													
367	IC-3	US-33	231+36, 14' RT								100													
US-33 BETWEEN STA. 233+00 AND 244+00																								
368	IC-1	US-33	233+00, 25' RT	235+09, 11' RT	212						212													
368	IC-2	US-33	235+09, 11' RT	244+00, 5' RT		1,782			891		891													
368	IC-3	US-33	239+26, 10' RT					1			100													
US-33 BETWEEN STA. 244+00 AND 255+00																								
369	IC-1	US-33	244+00, 5' RT	244+25, 5' RT		50			25		25													
369	IC-2	US-33	244+25, 5' RT	245+53, 6' RT			256	2			128													
369	IC-3	US-33	245+53, 6' RT	255+00, 10' RT		1,896		1	948		948													
369	IC-4	US-33	249+46, 8' RT					1			100													
US-33 BETWEEN STA. 255+00 AND 266+00																								
370	IC-1	US-33	255+00, 10' RT	266+00, 8' RT		2,202		1	1,101		1,101													
370	IC-2	US-33	264+65, 9' RT					1			100													
SHEET TOTAL					720	9,070	474	10	4,535	450	6,054	576	4	3	2	1	2	-	-	-	-	-	-	-

AERIAL SAG: 1.5% AERIAL SAG IS INCLUDED IN THE QUANTITIES FOR ANY AERIAL FIBER OR CABLE ITEMS.

3676-E

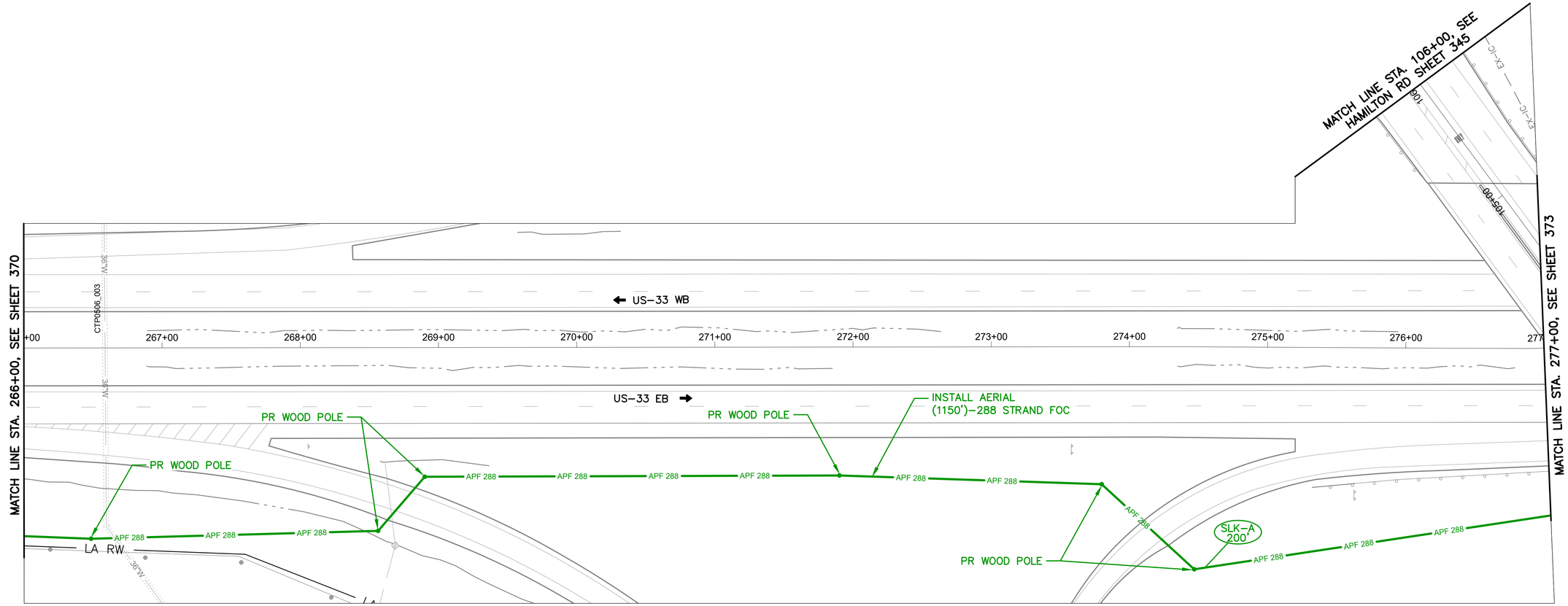
CIP: 540007-100060
PID NUMBER: 110521

US-33 BETWEEN STA. 211+00 & 266+00

CITY OF COLUMBUS TRAFFIC SIGNAL SYSTEM
(CTSS) PHASE F - FINAL SUBMITTAL

371
768

J:\Jobs\70202 - CTSS Phase F\TECHPROD\Sheets\CTSS_PhF_Trunk4_US-33_IC_QUANTITIES.dwg - US-33 Q2 layout ~ last saved by gburch 05/31/2022 11:05am ~ printed 06/02/2022 01:56pm PSLTS: 1 LTS: 1 CAS: 1:1



US-33 BETWEEN STATION 266+00 AND 277+00

NOTES:

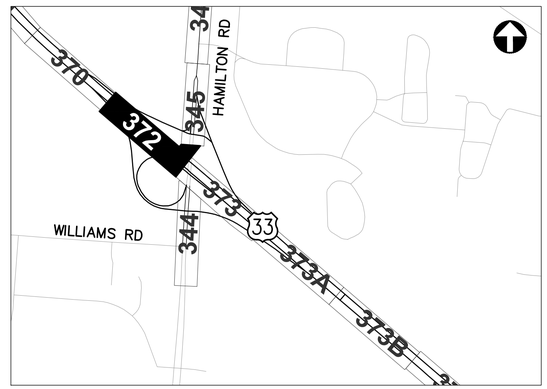
1. SEE SHEET 374 FOR QUANTITIES.
2. SEE SHEET 479 FOR COMMUNICATION DETAILS.
3. LIMITED ACCESS RIGHT OF WAY IS LOCATED OUTSIDE OF THE EXTENT OF VIEW SHOWN ABOVE.

(#) EXISTING UTILITY CROSSING. SEE UTILITY CROSSING INFO SHEET 246.

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CITY OF COLUMBUS UTILITY LEGEND

- ☐ SEWER
- ☒ WATER
- ☐ POWER
- ☐ LIGHTING



REFER TO SHEET 240 FOR INTERCONNECT SHEET INDEX

KEY PLAN
NOT TO SCALE

12 DRAFT REVISION 12.0

3676-E

HORIZONTAL SCALE IN FEET
0 40 80

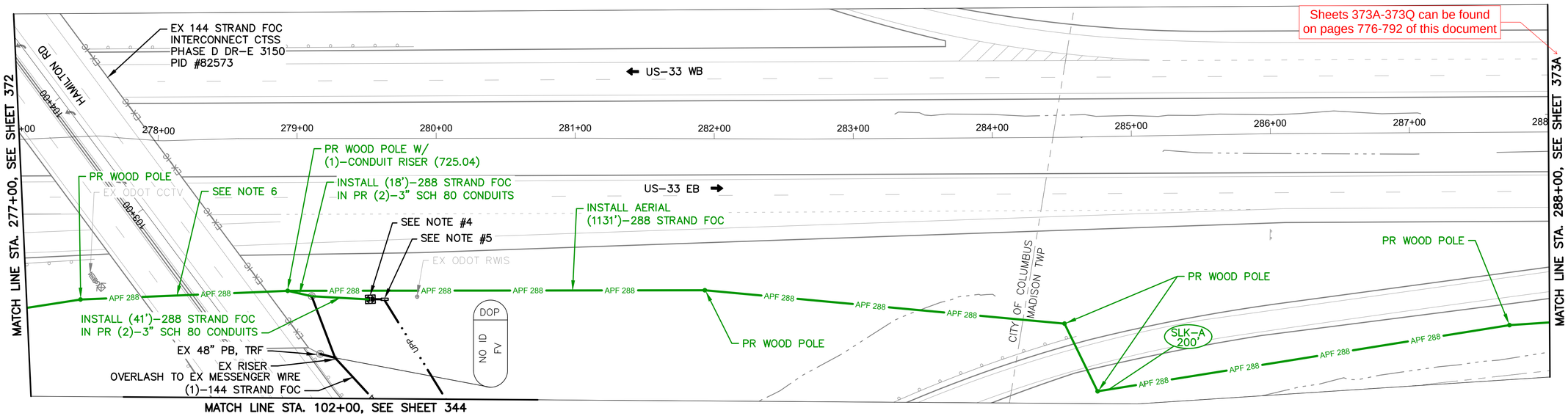
CIP: 540007-100060
PID NUMBER: 110521

INTERCONNECT PLAN
US-33 BETWEEN STA. 266+00 AND 277+00

CITY OF COLUMBUS TRAFFIC SIGNAL SYSTEM
(CTSS) PHASE F - FINAL SUBMITTAL

372
768

J:\Jobs\70202 - CTSS Phase F\TECHPROD\Sheets\CTSS_PhF_Trunk4_US-33-3_INTERCONNECT.dwg - US 33-17 layout ~ last saved by: jbeans 09/30/2024 01:17pm ~ printed 10/01/2024 10:05am PSLTS: 1 LTS: 1 CAS: 1:1



US-33 BETWEEN STATION 277+00 AND 288+00

NOTES:

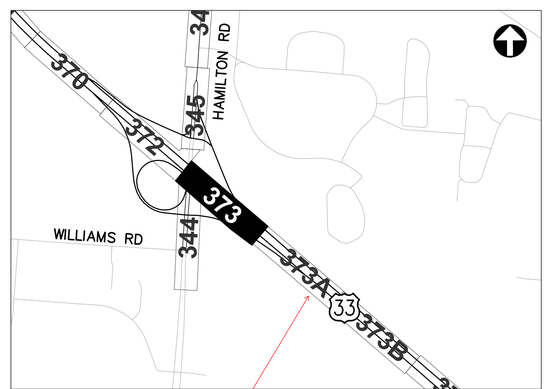
1. SEE SHEET 374 FOR QUANTITIES.
2. SEE SHEET 479 FOR COMMUNICATION DETAILS.
3. LIMITED ACCESS RIGHT OF WAY IS LOCATED OUTSIDE OF THE EXTENT OF VIEW SHOWN ABOVE.
4. SEE SHEET 412 FOR NODE #033132.2 INTERCONNECT PLAN.
5. SEE SHEET 262 FOR NODE #033132.2 POWER SERVICE DETAIL.
6. 288 STRAND FOC SHALL CROSS UNDER EXISTING BRIDGE AND HAVE NO ATTACHMENTS TO EXISTING STRUCTURES.

(#) EXISTING UTILITY CROSSING. SEE UTILITY CROSSING INFO SHEET 246.

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CITY OF COLUMBUS UTILITY LEGEND

- ☐ SEWER
- ☐ WATER
- ☐ POWER
- ☐ LIGHTING



REFER TO SHEET 240 FOR INTERCONNECT SHEET INDEX

KEY PLAN
NOT TO SCALE

Sheets 373A-373Q can be found
on pages 776-792 of this document

1 DRAFT REVISION 12.0

3676-E

HORIZONTAL SCALE IN FEET
0 40 80

CIP: 540007-100060
PID NUMBER: 110521

INTERCONNECT PLAN
US-33 BETWEEN STA. 277+00 AND 288+00

CITY OF COLUMBUS TRAFFIC SIGNAL SYSTEM
(CTSS) PHASE F - FINAL SUBMITTAL

373
768

J:\Jobs\70202 - CTSS Phase F\TECHPROD\Sheets\CTSS_PhF_Trunk4_US-33-3_INTERCONNECT.dwg - US 33-18 layout ~ last saved by: jbeens 09/30/2024 01:17pm ~ printed 10/01/2024 10:07am PSLTS: 1 LTS: 1 CAS: 1:1

ESTIMATED QUANTITIES

SHEET NO.	REFERENCE NO.	LOCATION	STATION		625 CONDUIT, 3", AS PER PLAN	625 CONDUIT, JACKED OR DRILLED, 3", AS PER PLAN	625 PULL BOX, CONCRETE 32", AS PER PLAN	625 TRENCH, 36" DEEP, AS PER PLAN	632 INTERCONNECT CABLE, MISC.: FIBER OPTIC CABLE, 288 STRAND																
			FROM	TO	FT	FT	EACH	FT	FT																
US-33 BETWEEN STA. 266+00 AND 277+00																									
372	IC-1	US-33	266+00, 8' RT	277+00, 6' RT	2,200		1	1,100	1,100																
372	IC-2	US-33	274+65, 5' RT				1		100																
US-33 BETWEEN STA. 277+00 AND 288+00																									
373	IC-1	US-33	277+00, 6' RT	279+55, 7' RT	508			254	254																
373	IC-2	US-33	279+55, 7' RT	279+56, 51' RT		88			44																
373	IC-3	US-33	279+55, 7' RT				1		100																
SHEET TOTAL					2,708	88	3	1,354	1,598	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-

AERIAL SAG: 1.5% AERIAL SAG IS INCLUDED IN THE QUANTITIES FOR ANY AERIAL FIBER OR CABLE ITEMS.

3676-E

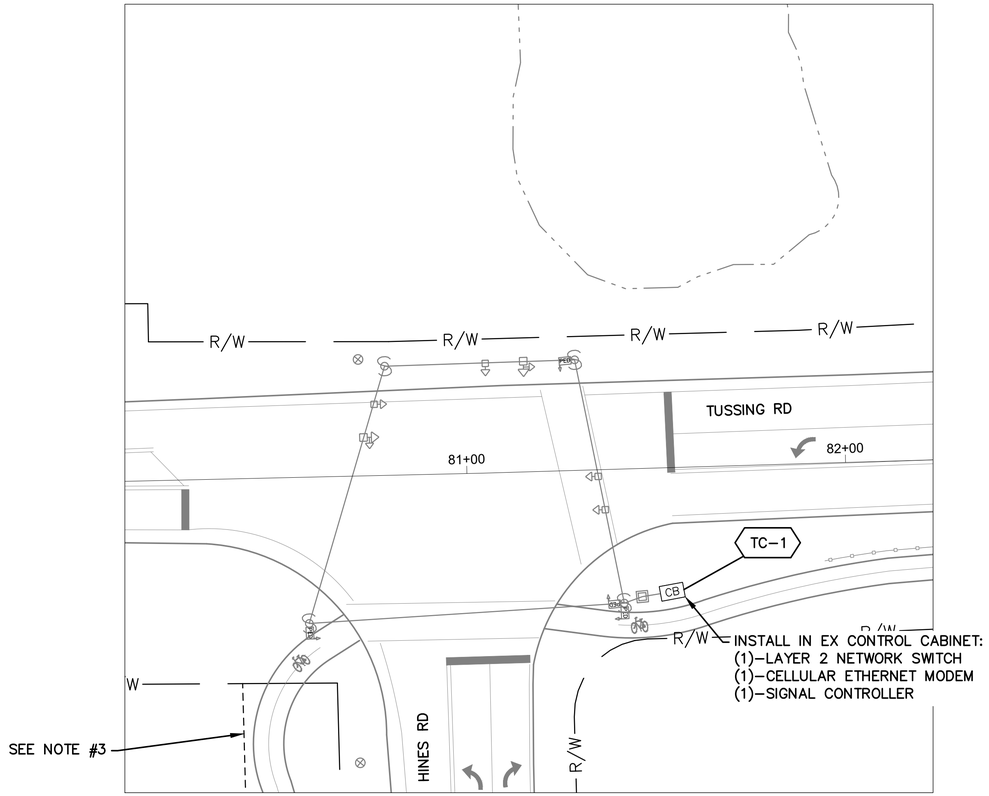
CIP: 540007-100060
PID NUMBER: 110521

US-33 BETWEEN STA. 266+00 & 288+00

CITY OF COLUMBUS TRAFFIC SIGNAL SYSTEM
(CTSS) PHASE F - FINAL SUBMITTAL

374
768

J:\Jobs\70202 - CTSS Phase F\TECHPROD\Sheets\CTSS_PhF_Trunk4_US-33_IC_QUANTITIES.dwg - US-33 Q3 layout ~ last saved by gburch 05/31/2022 11:05am ~ printed 06/02/2022 01:57pm PSLTS: 1 LTS: 1 CAS: 1:1



DETAIL - INT 2205

0 20 40

HORIZONTAL
SCALE IN FEET

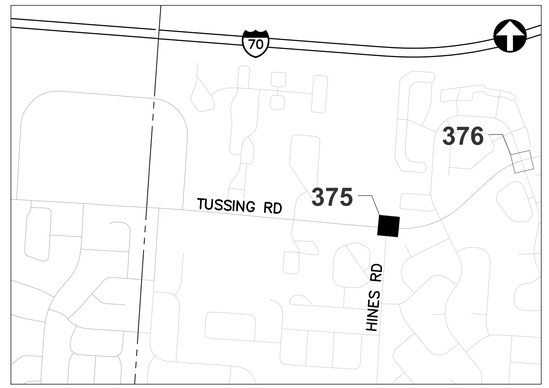
NOTES:

1. SEE SHEET 377 FOR QUANTITIES.
2. SEE SHEETS 475 & 652 FOR COMMUNICATION DETAILS.
3. SHARED USE PATH EASEMENT GRANTED TO THE CITY OF COLUMBUS RECREATION AND PARKS.

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CITY OF COLUMBUS
UTILITY LEGEND

- ☐ SEWER
- ☐ WATER
- ☐ POWER
- ☐ LIGHTING



REFER TO SHEET 241 FOR
INTERCONNECT SHEET INDEX

KEY PLAN
NOT TO SCALE

3676-E

0 40 80
HORIZONTAL
SCALE IN FEET

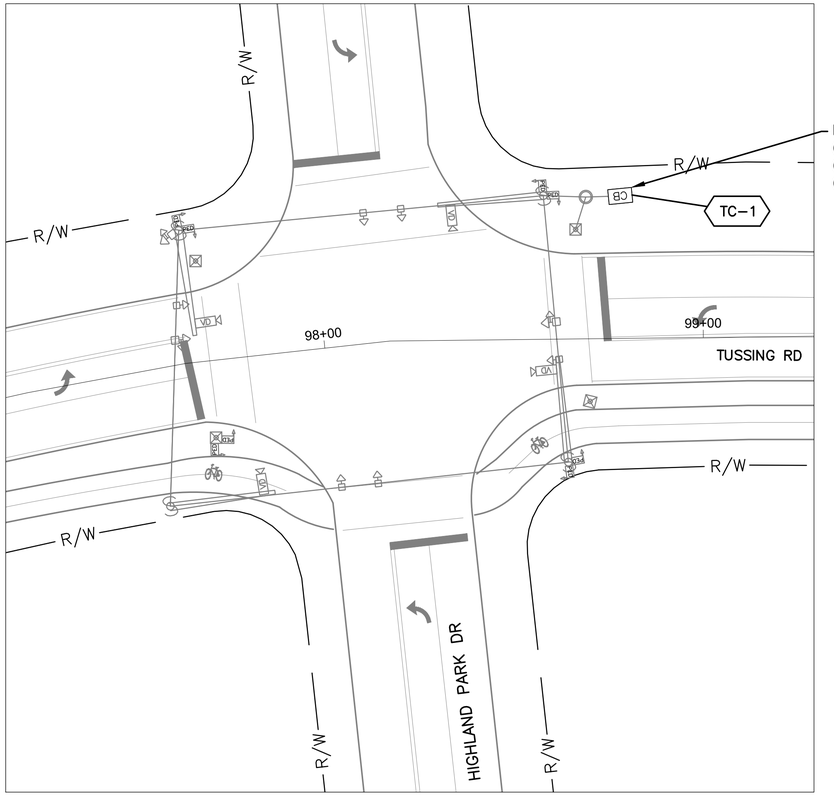
CIP: 540007–100060
PID NUMBER: 110521

INTERCONNECT PLAN
INT 2205 – HINES RD AT TUSSING RD

CITY OF COLUMBUS TRAFFIC SIGNAL SYSTEM
(CTSS) PHASE F – FINAL SUBMITTAL

375
768

J:\Jobs\70202 – CTSS Phase F\TECHPROD\Sheets\CTSS_PhF_Trunk4_TUSSING_INTERCONNECT.dwg – TUSSING–7 layout ~ last saved by: gburch 05/31/2022 11:05am ~ printed 06/02/2022 12:44pm PSLTS: 1 LTS: 1 CAS: 1:1



DETAIL - INT 2219

0 20 40

HORIZONTAL
SCALE IN FEET

NOTES:

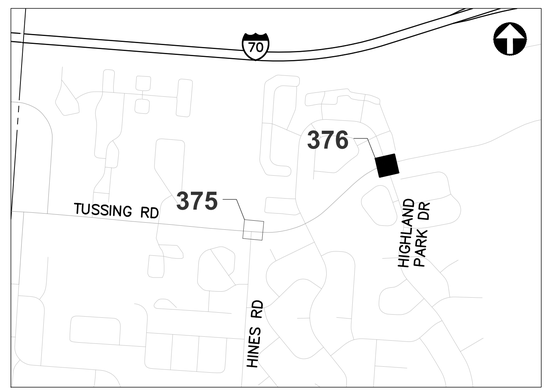
1. SEE SHEET 377 FOR QUANTITIES.
2. SEE SHEETS 475 & 653 FOR COMMUNICATION DETAILS.

(#) EXISTING UTILITY CROSSING.
SEE UTILITY CROSSING INFO
SHEET 246.

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CITY OF COLUMBUS
UTILITY LEGEND

- ☐ SEWER
- ☐ WATER
- ☐ POWER
- ☐ LIGHTING



REFER TO SHEET 241 FOR
INTERCONNECT SHEET INDEX

KEY PLAN
NOT TO SCALE

0 40 80
HORIZONTAL
SCALE IN FEET

CIP: 540007–100060
PID NUMBER: 110521

INTERCONNECT PLAN
INT 2219 – HIGHLAND PARK DR AT TUSSING RD

CITY OF COLUMBUS TRAFFIC SIGNAL SYSTEM
(CTSS) PHASE F – FINAL SUBMITTAL

376
768

3676-E

J:\Jobs\70202 – CTSS Phase F\TECHPROD\Sheets\CTSS_PhF_Trunk4_TUSSING_INTERCONNECT.dwg – TUSSING-9 layout ~ last saved by: gburch 05/31/2022 11:05am ~ printed 06/02/2022 12:45pm PSLTS: 1 LTS: 1 CAS: 1:1

ESTIMATED QUANTITIES

SHEET NO.	REFERENCE NO.	LOCATION	STATION		632	633	633																	
					SIGNALIZATION, MISC.: CELLULAR ETHERNET COMMUNICATIONS UNIT	CONTROLLER ITEM, MISC.: LAYER 2 ETHERNET SWITCH	CONTROLLER UNIT, TYPE TS2/A2, AS PER PLAN																	
			FROM	TO	EACH	EACH	EACH																	
TUSSING RD., INT 2205																								
375	TC-1	TUSSING RD	81+53, 32' RT		1	1	1																	
TUSSING RD., INT 2219																								
376	TC-1	TUSSING RD	98+79, 38' LT		1	1	1																	
SHEET TOTAL					2	2	2	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-

AERIAL SAG: 1.5% AERIAL SAG IS INCLUDED IN THE QUANTITIES FOR ANY AERIAL FIBER OR CABLE ITEMS.

3676-E

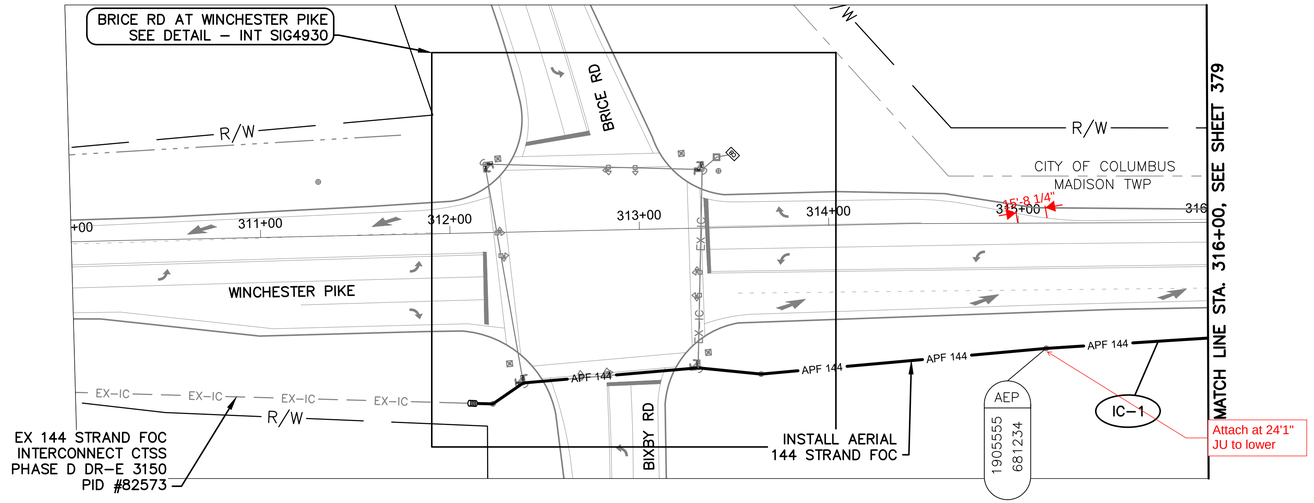
CIP: 540007-100060
PID NUMBER: 110521

TUSSING RD AT HINES RD AND HIGHLAND PARK DR
INTS 2205 AND 2219

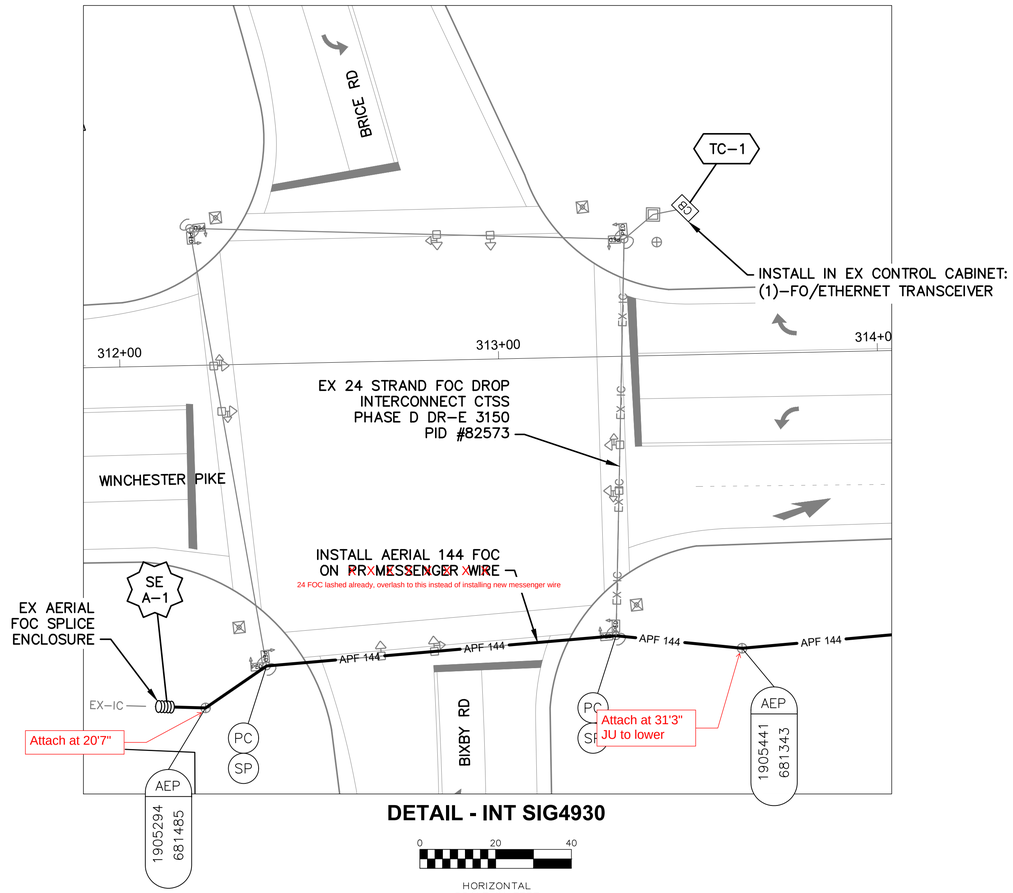
CITY OF COLUMBUS TRAFFIC SIGNAL SYSTEM
(CTSS) PHASE F – FINAL SUBMITTAL

377
768

J:\Jobs\70202 – CTSS Phase F\TECHPROD\Sheets\CTSS_PhF_Trunk4_TUSSING_IC_QUANTITIES.dwg – TUSSING Q1 layout ~ last saved by: gburch 05/31/2022 11:05am ~ printed 06/02/2022 01:58pm PSLTS: 1 LTS: 1 CAS: 1:1



WINCHESTER PIKE BETWEEN STATION 310+00 AND 316+00



DETAIL - INT SIG4930

0 20 40
HORIZONTAL
SCALE IN FEET

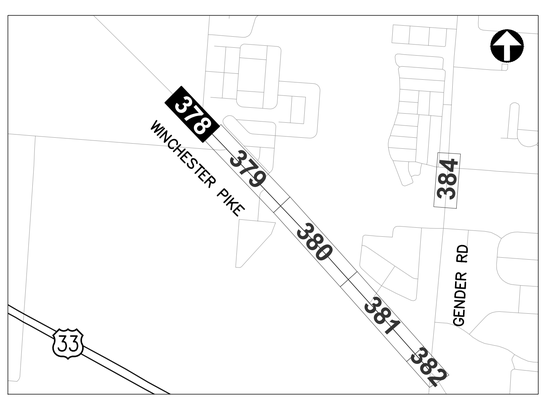
NOTES:

1. SEE SHEET 383 FOR QUANTITIES.
2. SEE SHEETS 475 & 649 FOR COMMUNICATION DETAILS.

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CITY OF COLUMBUS
UTILITY LEGEND

- ☐ SEWER
- ☐ WATER
- ☐ POWER
- ☐ LIGHTING



REFER TO SHEET 241 FOR
INTERCONNECT SHEET INDEX

KEY PLAN
NOT TO SCALE

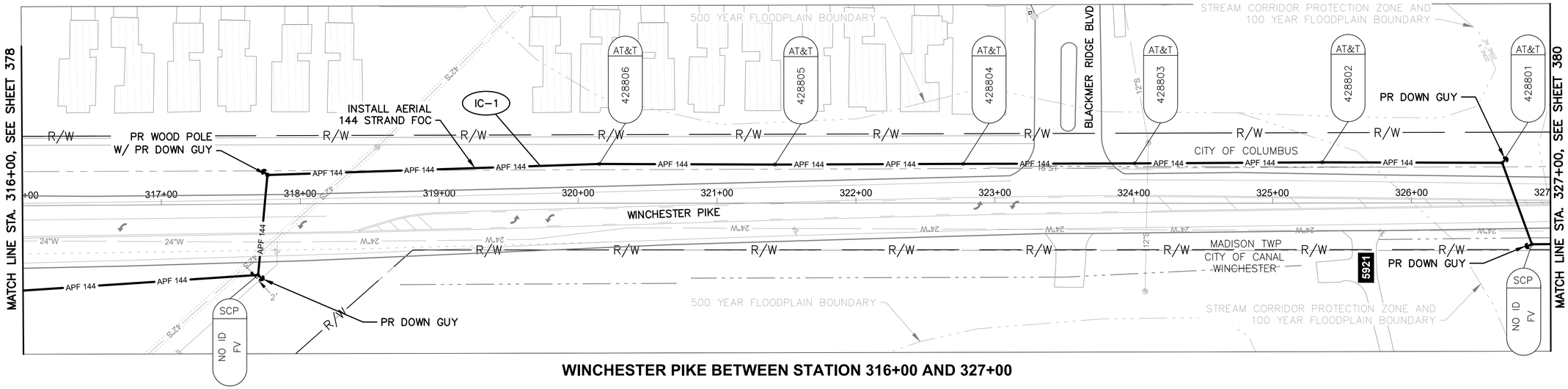
0 40 80
HORIZONTAL
SCALE IN FEET

CIP: 540007-100060
PID NUMBER: 110521

INTERCONNECT PLAN
WINCHESTER PIKE BETWEEN STA. 310+00 AND 316+00, INT SIG4930

CITY OF COLUMBUS TRAFFIC SIGNAL SYSTEM
(CTSS) PHASE F – FINAL SUBMITTAL

J:\Jobs\70202 – CTSS Phase F\TECHPROD\Sheets\CTSS_PhF_Trunk4_WINCHESTER PIKE_INTERCONNECT.dwg – WINCHESTER-4 layout ~ last saved by: gburch 05/31/2022 11:06am ~ printed 06/02/2022 12:47pm PSLTS: 1 LTS: 1 CAS: 1:1



WINCHESTER PIKE BETWEEN STATION 316+00 AND 327+00

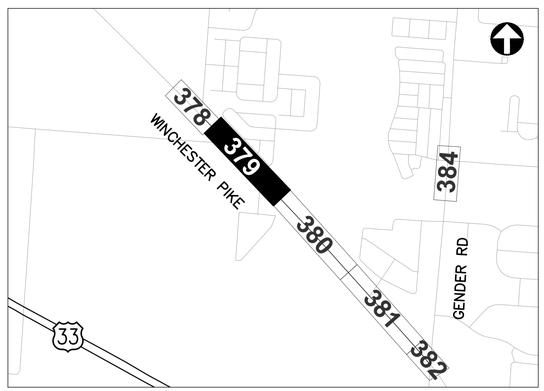
NOTES:

1. SEE SHEET 383 FOR QUANTITIES.
2. SEE SHEET 475 FOR COMMUNICATION DETAILS.

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CITY OF COLUMBUS UTILITY LEGEND

- ☒ SEWER
- ☒ WATER
- ☐ POWER
- ☐ LIGHTING



REFER TO SHEET 241 FOR INTERCONNECT SHEET INDEX

KEY PLAN
NOT TO SCALE

3676-E

HORIZONTAL SCALE IN FEET
0 40 80

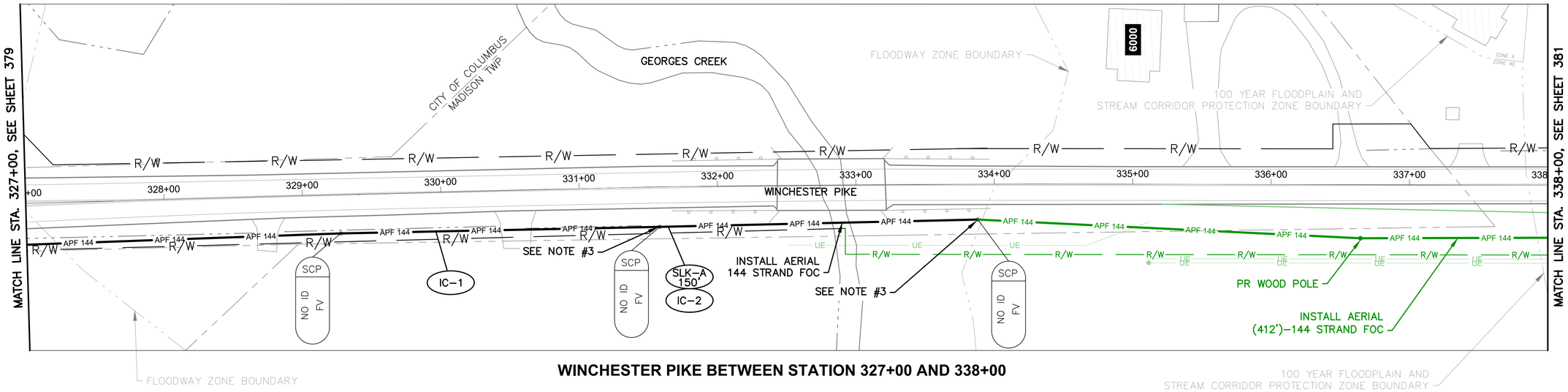
CIP: 540007-100060
PID NUMBER: 110521

INTERCONNECT PLAN
WINCHEST PIKE BETWEEN STA. 316+00 AND 327+00

CITY OF COLUMBUS TRAFFIC SIGNAL SYSTEM
(CTSS) PHASE F – FINAL SUBMITTAL

379
768

J:\Jobs\70202 - CTSS Phase F\TECHPROD\Sheets\CTSS_PhF_Trunk4_WINCHESTER PIKE_INTERCONNECT.dwg - WINCHESTER-5 layout ~ last saved by: gburch 05/31/2022 11:06am ~ printed 06/02/2022 12:47pm PSLTS: 1 LTS: 1 CAS: 1:1



WINCHESTER PIKE BETWEEN STATION 327+00 AND 338+00

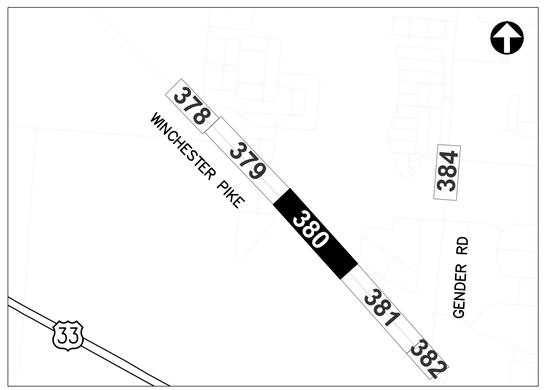
NOTES:

1. SEE SHEET 383 FOR QUANTITIES.
2. SEE SHEET 475 FOR COMMUNICATION DETAILS.
3. POLE TO BE RELOCATED BY CITY OF COLUMBUS PROJECT DR-E 3716. DO NOT ATTACH UNTIL POLE HAS BEEN RELOCATED.

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www.oups.org

CITY OF COLUMBUS UTILITY LEGEND

- ☐ SEWER
- ☐ WATER
- ☐ POWER
- ☐ LIGHTING



REFER TO SHEET 241 FOR INTERCONNECT SHEET INDEX

KEY PLAN
NOT TO SCALE

3 DRAFT REVISION 3.0

3676-E

HORIZONTAL SCALE IN FEET
0 40 80

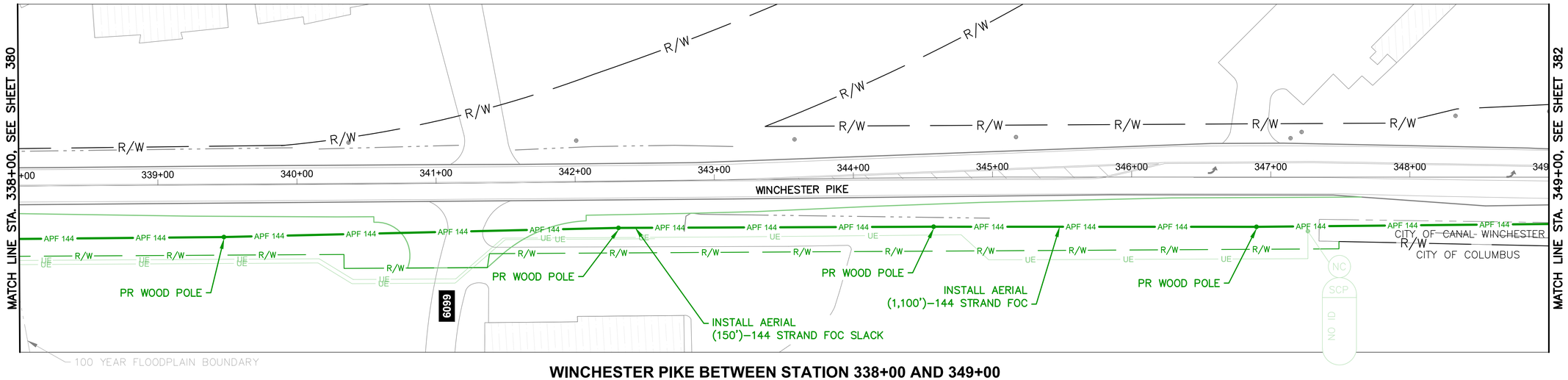
CIP: 540007-100060
PID NUMBER: 110521

INTERCONNECT PLAN
WINCHEST PIKE BETWEEN STA. 327+00 AND 338+00

CITY OF COLUMBUS TRAFFIC SIGNAL SYSTEM
(CTSS) PHASE F - FINAL SUBMITTAL

380
768

\\colw00\PWWork\Jobs\70202 - CTSS Phase F\TECHPROD\Sheets\CTSS_PhF_Trunk4_WINCHESTER PIKE_INTERCONNECT.dwg - WINCHESTER-6 layout ~ last saved by: nseling 07/20/2023 11:22am ~ printed 07/20/2023 11:38am PSLTS: 1 LTS: 1 CAS: 1:1



WINCHESTER PIKE BETWEEN STATION 338+00 AND 349+00

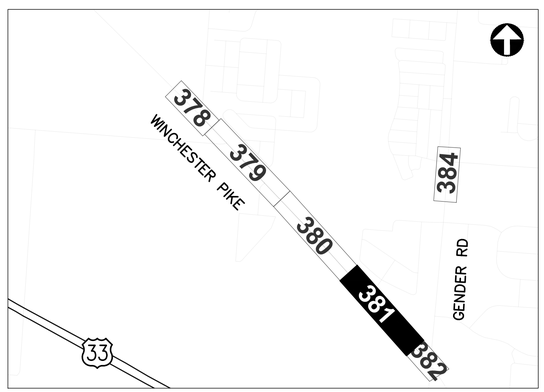
NOTES:

1. SEE SHEET 383 FOR QUANTITIES.
2. SEE SHEET 475 FOR COMMUNICATION DETAILS.

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www.oups.org

CITY OF COLUMBUS UTILITY LEGEND

- ☐ SEWER
- ☐ WATER
- ☐ POWER
- ☐ LIGHTING



REFER TO SHEET 241 FOR INTERCONNECT SHEET INDEX

KEY PLAN
NOT TO SCALE

3 DRAFT REVISION 3.0

3676-E

HORIZONTAL SCALE IN FEET
0 40 80

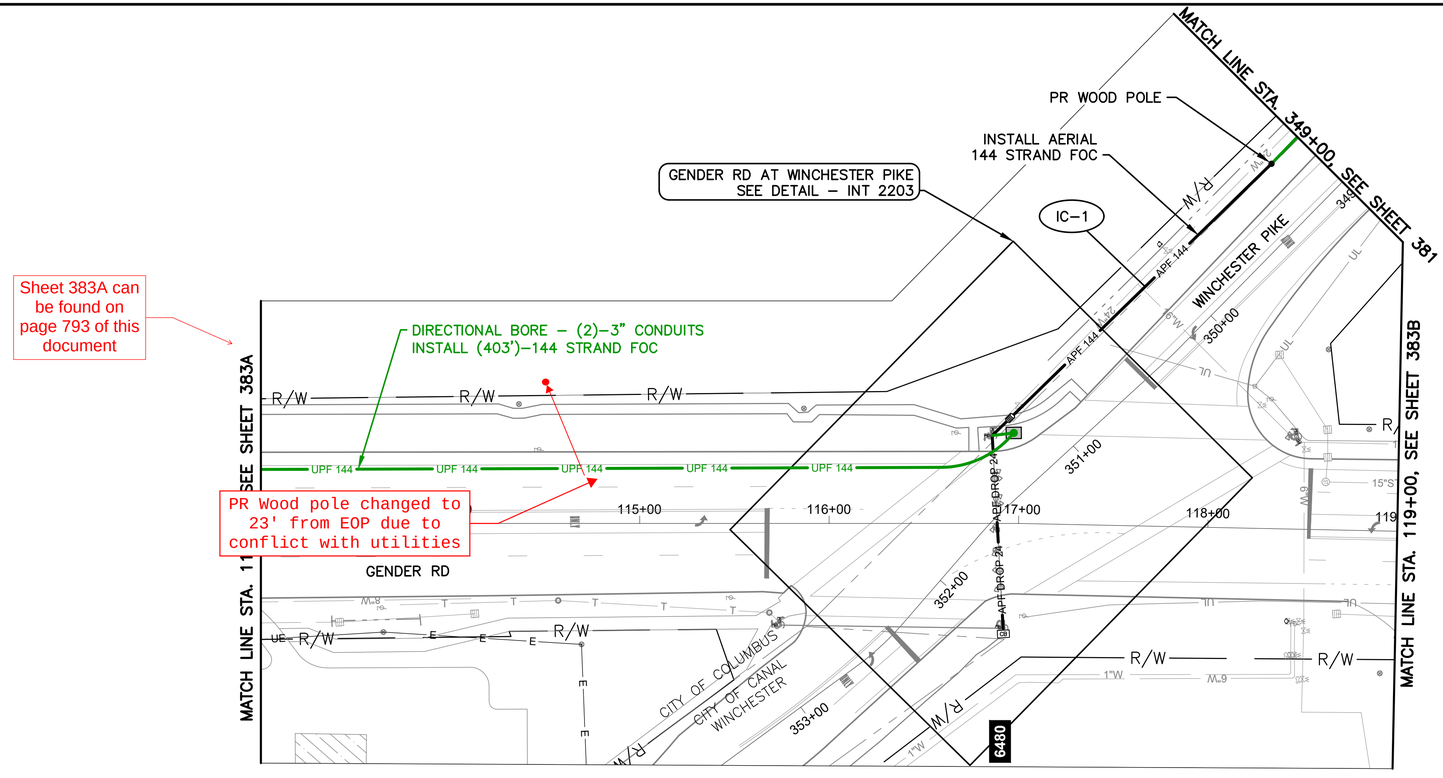
CIP: 540007–100060
PID NUMBER: 110521

INTERCONNECT PLAN
WINCHESTER PIKE BETWEEN STA. 338+00 AND 349+00

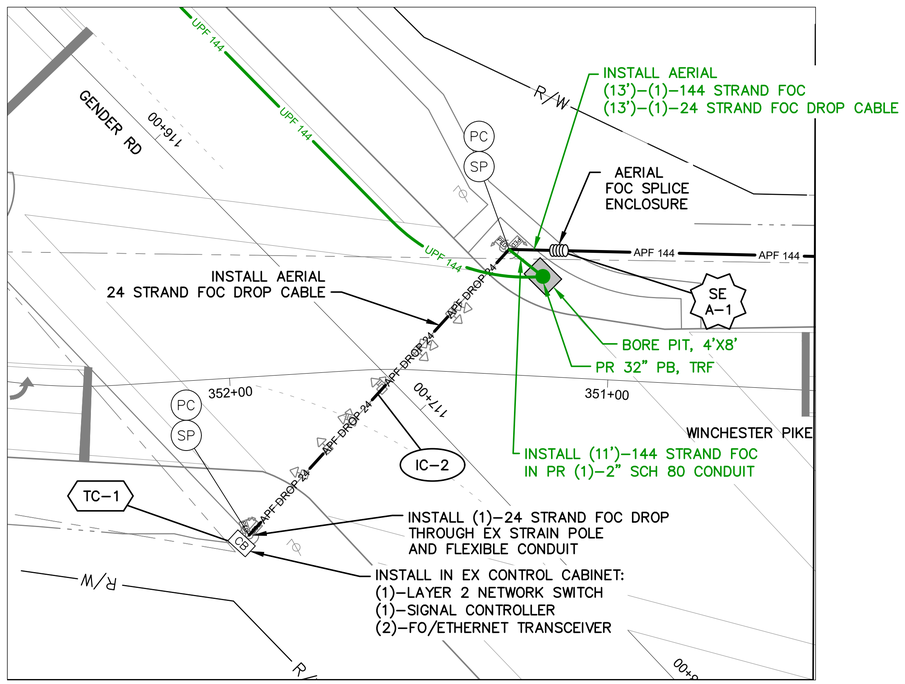
CITY OF COLUMBUS TRAFFIC SIGNAL SYSTEM
(CTSS) PHASE F – FINAL SUBMITTAL

381
768

\\colw00\PWWork\Jobs\70202 – CTSS Phase F\TECHPROD\Sheets\CTSS_PhF_Trunk4_WINCHESTER PIKE_INTERCONNECT.dwg – WINCHESTER–7 layout ~ last saved by: nseling 07/20/2023 11:22am ~ printed 07/20/2023 11:39am PSLTS: 1 LTS: 1 CAS: 1:1



WINCHESTER PIKE BETWEEN STATION 349+00 AND 353+50



DETAIL - INT 2203

0 20 40

HORIZONTAL SCALE IN FEET

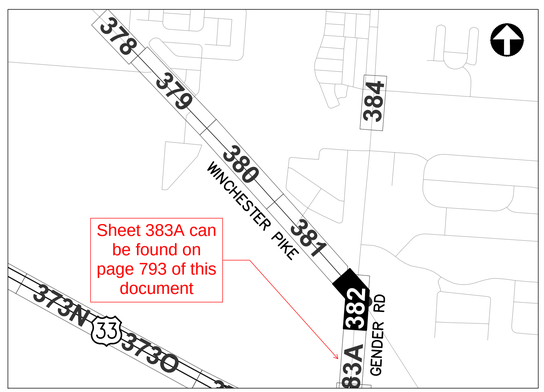
NOTES:

1. SEE SHEET 383 FOR QUANTITIES.
2. SEE SHEETS 475 & 650 FOR COMMUNICATION DETAILS.

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CITY OF COLUMBUS UTILITY LEGEND

- ☐ SEWER
- ☒ WATER
- ☐ POWER
- ☒ LIGHTING



REFER TO SHEET 241 FOR INTERCONNECT SHEET INDEX

KEY PLAN
NOT TO SCALE

1A DRAFT REVISION 12.0

3676-E

0 40 80
HORIZONTAL SCALE IN FEET

CIP: 540007–100060
PID NUMBER: 110521

INTERCONNECT PLAN
WINCHESTER PIKE BETWEEN STA. 349+00 AND 353+00, INT 2203

CITY OF COLUMBUS TRAFFIC SIGNAL SYSTEM
(CTSS) PHASE F – FINAL SUBMITTAL

382
768

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ESTIMATED QUANTITIES

SHEET NO.	REFERENCE NO.	LOCATION	STATION		632 DOWN GUY	632 INTERCONNECT CABLE, MISC.: FIBER OPTIC CABLE, 144 STRAND	632 INTERCONNECT CABLE, MISC.: FIBER OPTIC DROP CABLE, 24 STRAND	632 INTERCONNECT CABLE, MISC.: FIBER OPTIC FUSION SPLICE	632 INTERCONNECT CABLE, MISC.: TERMINATION PANEL, 24 FIBER	632 INTERCONNECT, MISC.: CAT 5E CABLE, OUTDOOR RATED	632 INTERCONNECT, MISC.: SPLICE ENCLOSURE, DOME, 288 SPLICE	632 MESSENGER WIRE, 7 STRAND, 1/4" DIAMETER WITH ACCESSORIES, AS PER PLAN	632 SPREAD SPECTRUM RADIO, AS PER PLAN	632 WOOD POLE, CLASS 5, 35 FT	633 CONTROLLER ITEM, MISC.: FIBER OPTIC ETHERNET TRANSCEIVER, SHORT RANGE	633 CONTROLLER ITEM, MISC.: LAYER 2 ETHERNET SWITCH	633 CONTROLLER UNIT, TYPE TS2/A2, AS PER PLAN							
			FROM	TO	EACH	FT	FT	EACH	EACH	FT	EACH	FT	EACH	EACH	EACH	EACH	EACH								
WINCHESTER PIKE BETWEEN STA. 310+00 AND 316+00, INT SIG4930																									
378	SE A-1	WINCHESTER PIKE	312+10, 90' RT			75		144																	
378	IC-1	WINCHESTER PIKE	312+10, 90' RT	316+00, 61' RT		399						399													
378	TC-1	WINCHESTER PIKE	313+50, 39' LT													1									
WINCHESTER PIKE BETWEEN STA. 316+00 AND 327+00																									
379	IC-1	WINCHESTER PIKE	316+00, 61' RT	327+00, 30' RT	4	1,227						1,227		1											
WINCHESTER PIKE BETWEEN STA. 327+00 AND 338+00																									
380	IC-1	WINCHESTER PIKE	327+00, 30' RT	338+00, 28' RT		1,115						1,115													
380	IC-2	WINCHESTER PIKE	331+64, 29' RT			150																			
WINCHESTER PIKE BETWEEN STA. 338+00 AND 349+00																									
381	IC-1	WINCHESTER PIKE	338+00, 28' RT	349+00, 33' RT		1,117						1,117													
WINCHESTER PIKE BETWEEN STA. 349+00 AND 353+00, INT 2203																									
382	IC-1	WINCHESTER PIKE	349+00, 33' RT	351+15, 33' RT		218						218		1											
382	SE A-1	WINCHESTER PIKE	351+15, 33' RT			75	125	12			1														
382	IC-2	WINCHESTER PIKE	351+15, 33' RT	351+97, 42' LT			117					117													
382	WR-1	WINCHESTER PIKE	351+97, 42' LT							35			1												
382	TC-1	WINCHESTER PIKE	351+97, 42' LT				55		1	20						1	1	1							
SHEET TOTAL					4	4,376	297	156	1	55	1	4,193	1	2	2	1	1	-	-	-	-	-	-	-	

AERIAL SAG: 1.5% AERIAL SAG IS INCLUDED IN THE QUANTITIES FOR ANY AERIAL FIBER OR CABLE ITEMS.

3676-E

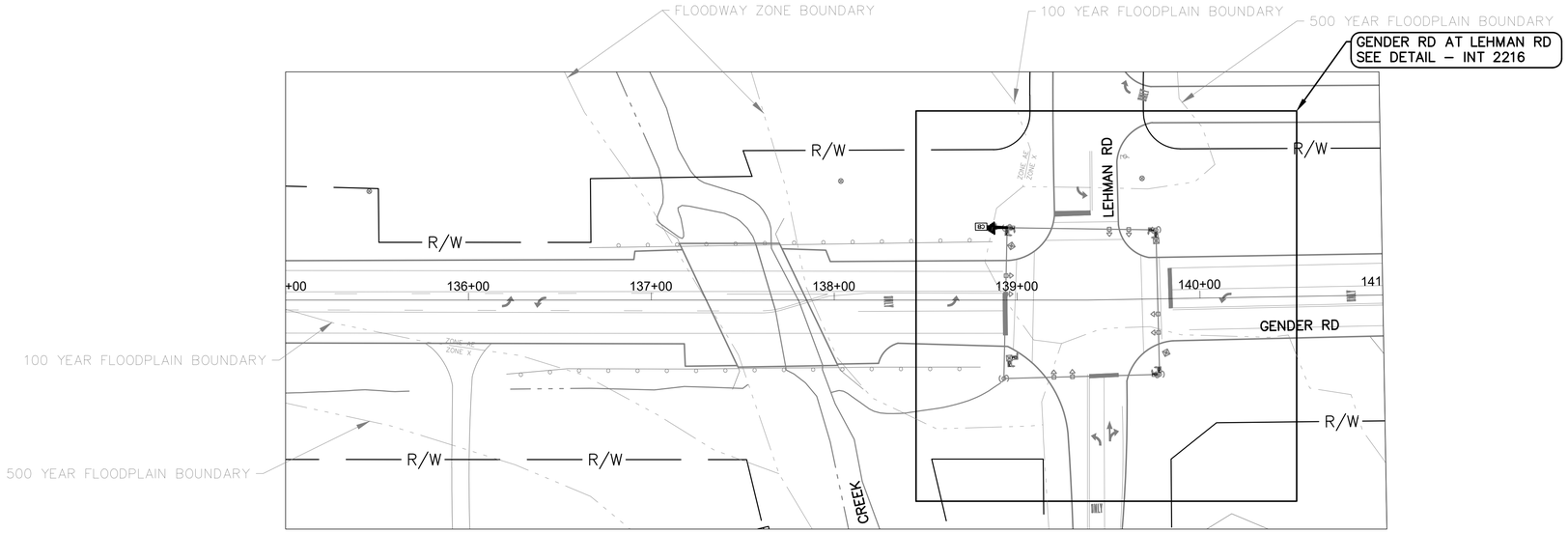
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PID NUMBER: 110521

WINCHESTER PIKE BETWEEN STA. 310+00 & 353+00
INTS SIG4930 AND 2203

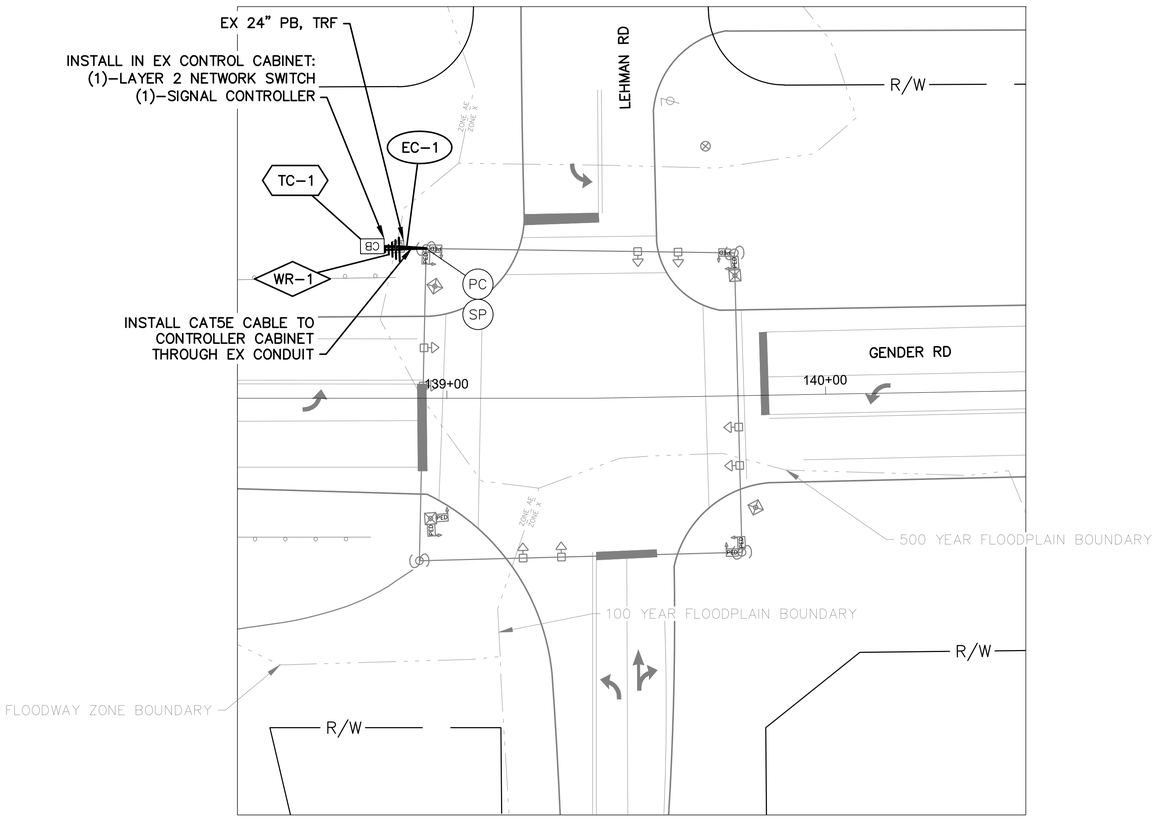
CITY OF COLUMBUS TRAFFIC SIGNAL SYSTEM
(CTSS) PHASE F – FINAL SUBMITTAL

383
768

J:\Jobs\70202 – CTSS Phase F\TECHPROD\Sheets\CTSS_PhF_Trunk4_WINCHESTER_PIKE_IC_QUANTITIES.dwg – WINCHESTER Q1 layout ~ last saved by: gburch 05/31/2022 11:06am ~ printed 06/02/2022 01:58pm PSLTS: 1 LTS: 1 CAS: 1:1



GENDER RD BETWEEN STATION 135+00 AND 141+00



DETAIL - INT 2216

0 20 40

HORIZONTAL
SCALE IN FEET

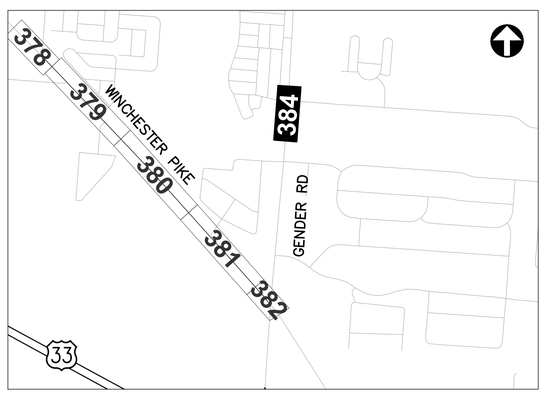
NOTES:

1. SEE SHEET 385 FOR QUANTITIES.
2. SEE SHEETS 475 & 651 FOR COMMUNICATION DETAILS.

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CITY OF COLUMBUS
UTILITY LEGEND

- ☐ SEWER
- ☐ WATER
- ☐ POWER
- ☐ LIGHTING



REFER TO SHEET 241 FOR
INTERCONNECT SHEET INDEX

KEY PLAN
NOT TO SCALE

0 40 80

HORIZONTAL
SCALE IN FEET

CIP: 540007–100060
PID NUMBER: 110521

INTERCONNECT PLAN
GENDER RD BETWEEN STA. 135+00 AND 141+00, INT 2216

CITY OF COLUMBUS TRAFFIC SIGNAL SYSTEM
(CTSS) PHASE F – FINAL SUBMITTAL

3676-E

384
768

J:\Jobs\70202 – CTSS Phase F\TECHPROD\Sheets\CTSS_PhF_Trunk4_GENDER_INTERCONNECT.dwg – GENDER-4 layout ~ last saved by: gburch 05/31/2022 11:06am ~ printed 06/02/2022 12:51pm PSLTS: 1 LTS: 1 CAS: 1:1

ESTIMATED QUANTITIES

SHEET NO.	REFERENCE NO.	LOCATION	STATION		202	632	632	633	633																
					EXISTING CONDUIT CLEANED, AS PER PLAN	INTERCONNECT, MISC.; CAT 5E CABLE, OUTDOOR RATED	SPREAD SPECTRUM RADIO, AS PER PLAN	CONTROLLER ITEM, MISC.; LAYER 2 ETHERNET SWITCH	CONTROLLER UNIT, TYPE TS2/A2, AS PER PLAN																
			FROM	TO	FT	FT	EACH	EACH	EACH																
GENDER RD. BETWEEN STA. 135+00 AND 141+00, INT 2216																									
384	TC-1	GENDER RD	138+80, 40' LT			20		1	1																
384	EC-1	GENDER RD	138+80, 40' LT	138+95, 40' LT	14	14																			
384	WR-1	GENDER RD	138+95, 40' LT			35	1																		
SHEET TOTAL					14	69	1	1	1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-

AERIAL SAG: 1.5% AERIAL SAG IS INCLUDED IN THE QUANTITIES FOR ANY AERIAL FIBER OR CABLE ITEMS.

3676-E

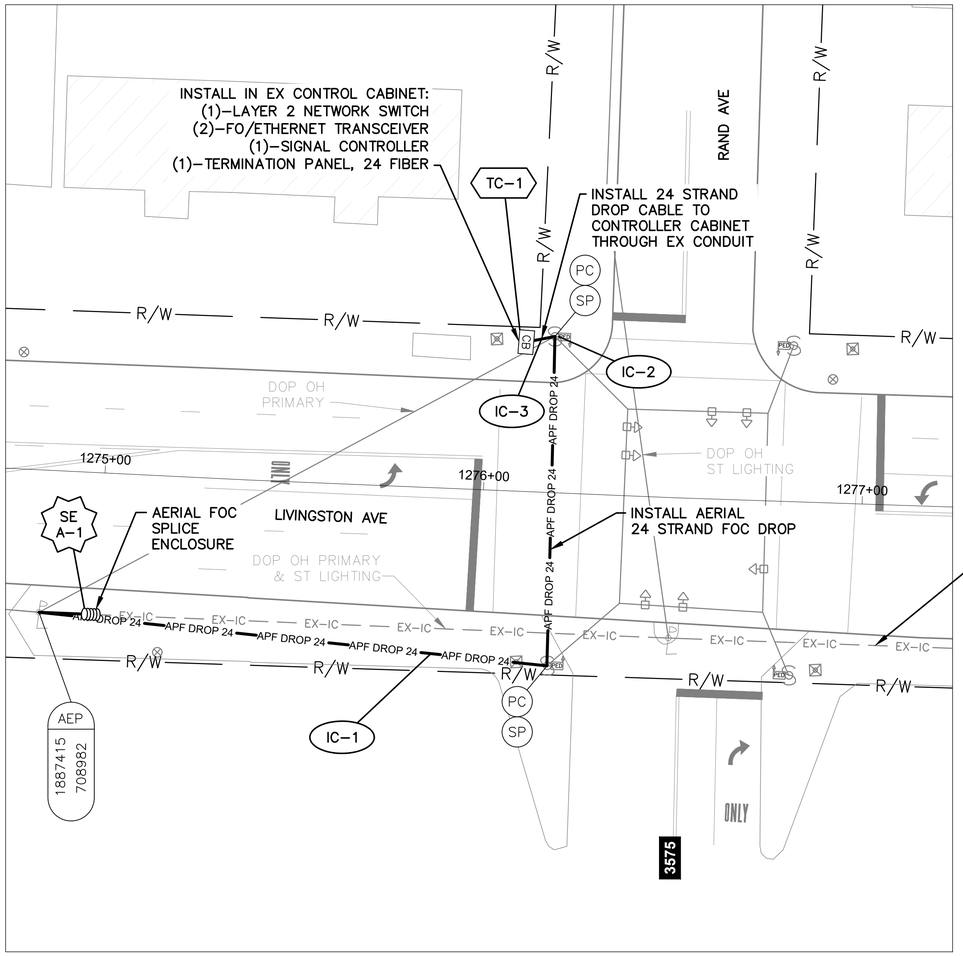
CIP: 540007-100060
PID NUMBER: 110521

GENDER RD BETWEEN STA. 135+00 & 141+00
INT 2216

CITY OF COLUMBUS TRAFFIC SIGNAL SYSTEM
(CTSS) PHASE F – FINAL SUBMITTAL

385
768

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DETAIL - INT 2024 - LIVINGSTON AVE AT RAND AVE

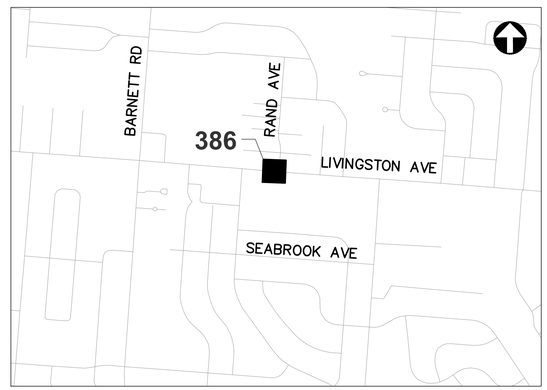
NOTES:

1. SEE SHEET 391 FOR QUANTITIES.
2. SEE SHEET 465 & 564 FOR COMMUNICATION DETAILS.

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CITY OF COLUMBUS UTILITY LEGEND

- ☐ SEWER
- ☐ WATER
- ☒ POWER
- ☒ LIGHTING



REFER TO SHEET 238 FOR INTERCONNECT SHEET INDEX

KEY PLAN
NOT TO SCALE

3676-E

HORIZONTAL SCALE IN FEET
0 20 40

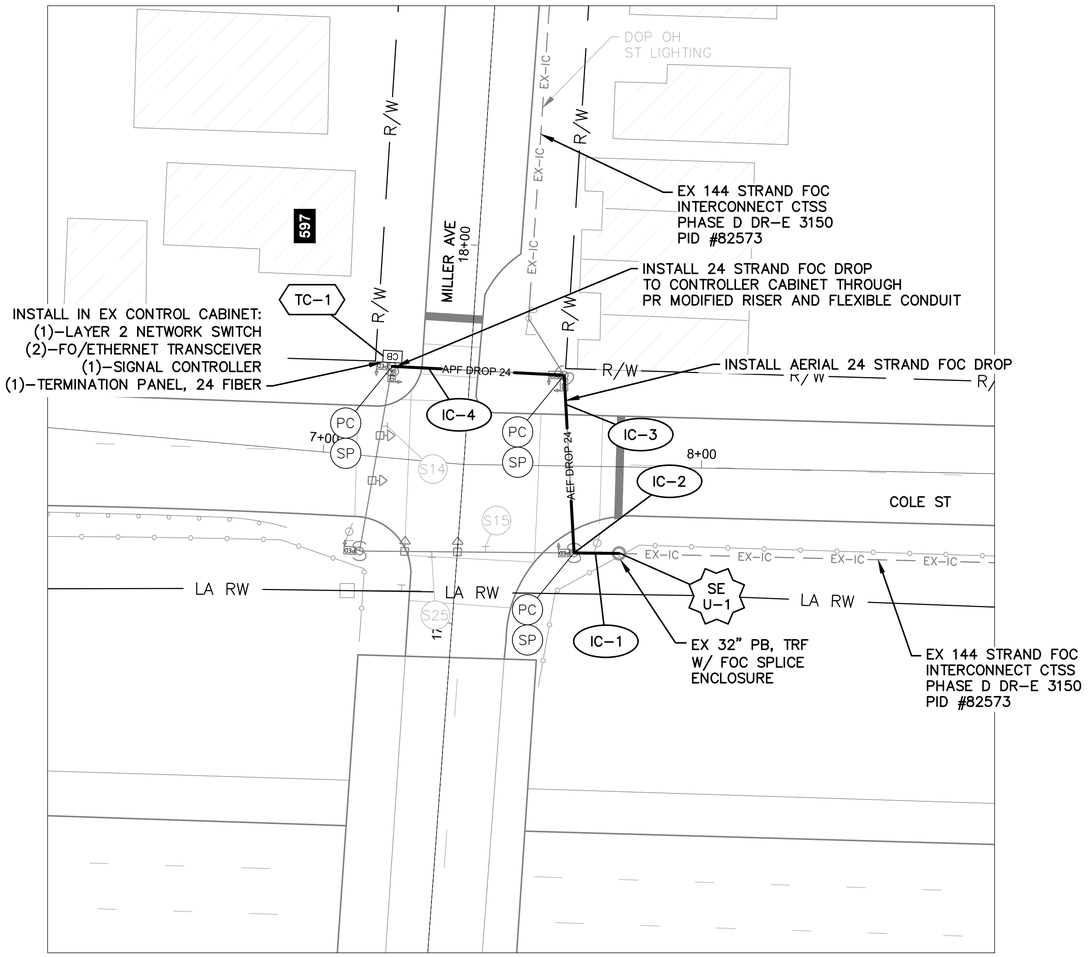
CIP: 540007–100060
PID NUMBER: 110521

INTERCONNECT PLAN
INT 2024 – LIVINGSTON AVE AT RAND AVE

CITY OF COLUMBUS TRAFFIC SIGNAL SYSTEM
(CTSS) PHASE F – FINAL SUBMITTAL

386
768

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DETAIL - INT 2111 - MILLER AVE AT COLE ST

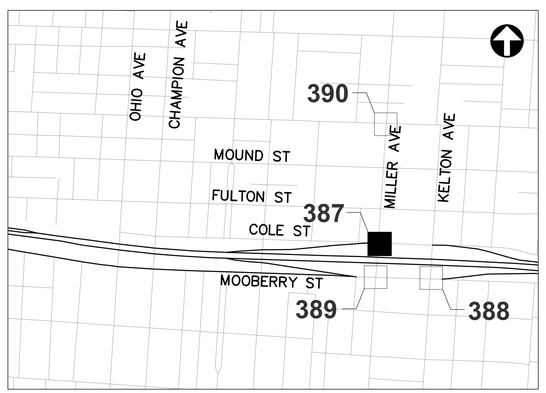
NOTES:

1. SEE SHEET 391 FOR QUANTITIES.
2. SEE SHEETS 460 & 539 FOR COMMUNICATION DETAILS.

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CITY OF COLUMBUS
UTILITY LEGEND

- ☐ SEWER
- ☐ WATER
- ☐ POWER
- ☒ LIGHTING



REFER TO SHEET 238 FOR INTERCONNECT SHEET INDEX

KEY PLAN
NOT TO SCALE

3676-E

HORIZONTAL SCALE IN FEET
0 20 40

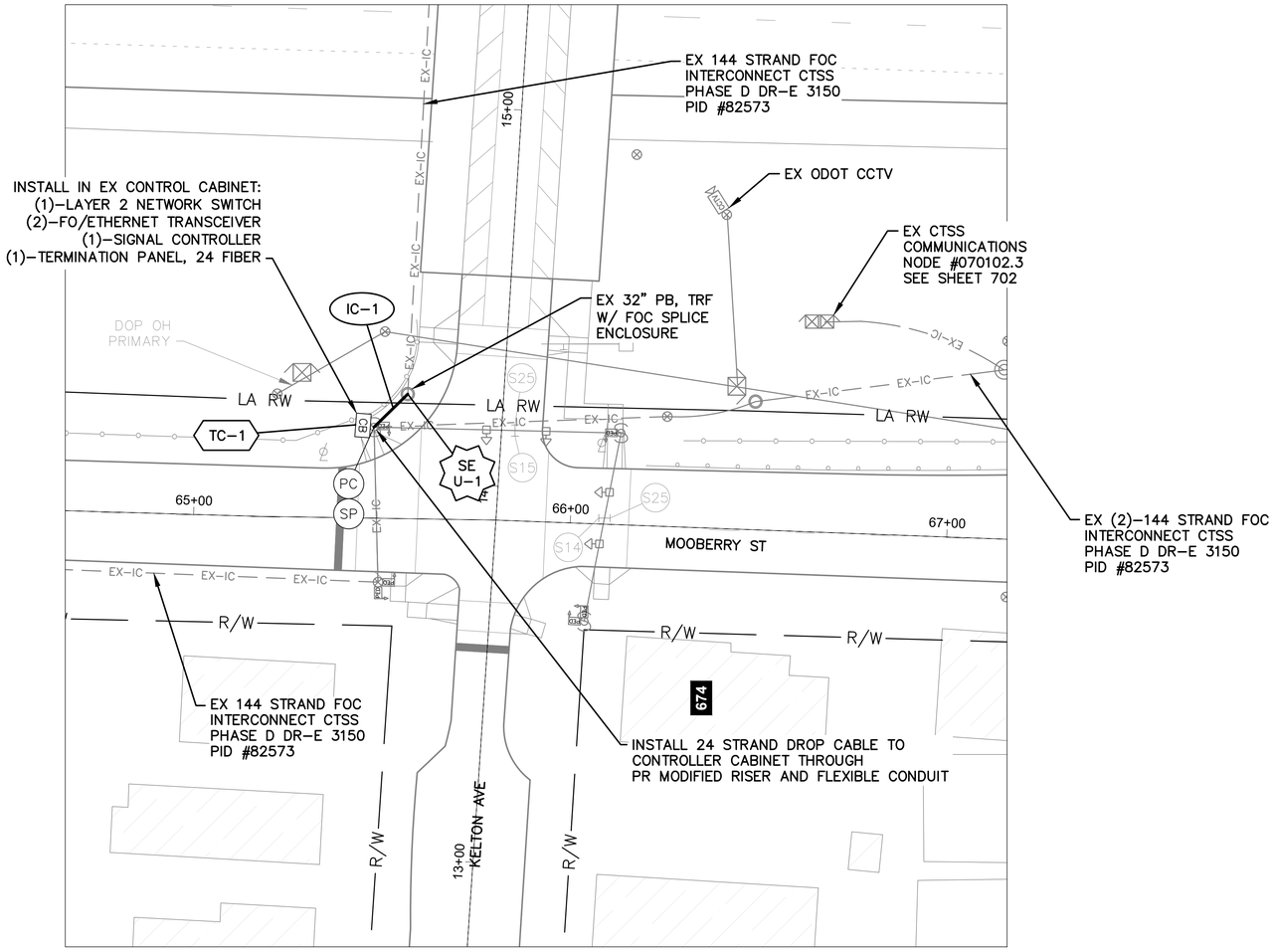
CIP: 540007-100060
PID NUMBER: 110521

INTERCONNECT PLAN
INT 2111 – MILLER AVE AT COLE ST

CITY OF COLUMBUS TRAFFIC SIGNAL SYSTEM
(CTSS) PHASE F – FINAL SUBMITTAL

387
768

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DETAIL - INT 2115 - KELTON AVE AT MOOBERRY ST

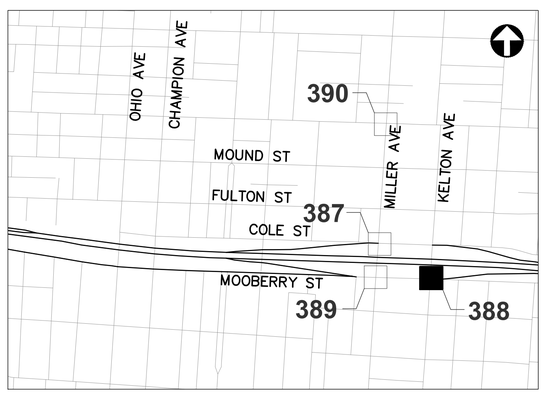
NOTES:

1. SEE SHEET 391 FOR QUANTITIES.
2. SEE SHEETS 460 & 541 FOR COMMUNICATION DETAILS.

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CITY OF COLUMBUS UTILITY LEGEND

- ☐ SEWER
- ☐ WATER
- ☒ POWER
- ☐ LIGHTING



REFER TO SHEET 238 FOR INTERCONNECT SHEET INDEX

KEY PLAN
NOT TO SCALE

HORIZONTAL SCALE IN FEET
0 20 40

CIP: 540007-100060
PID NUMBER: 110521

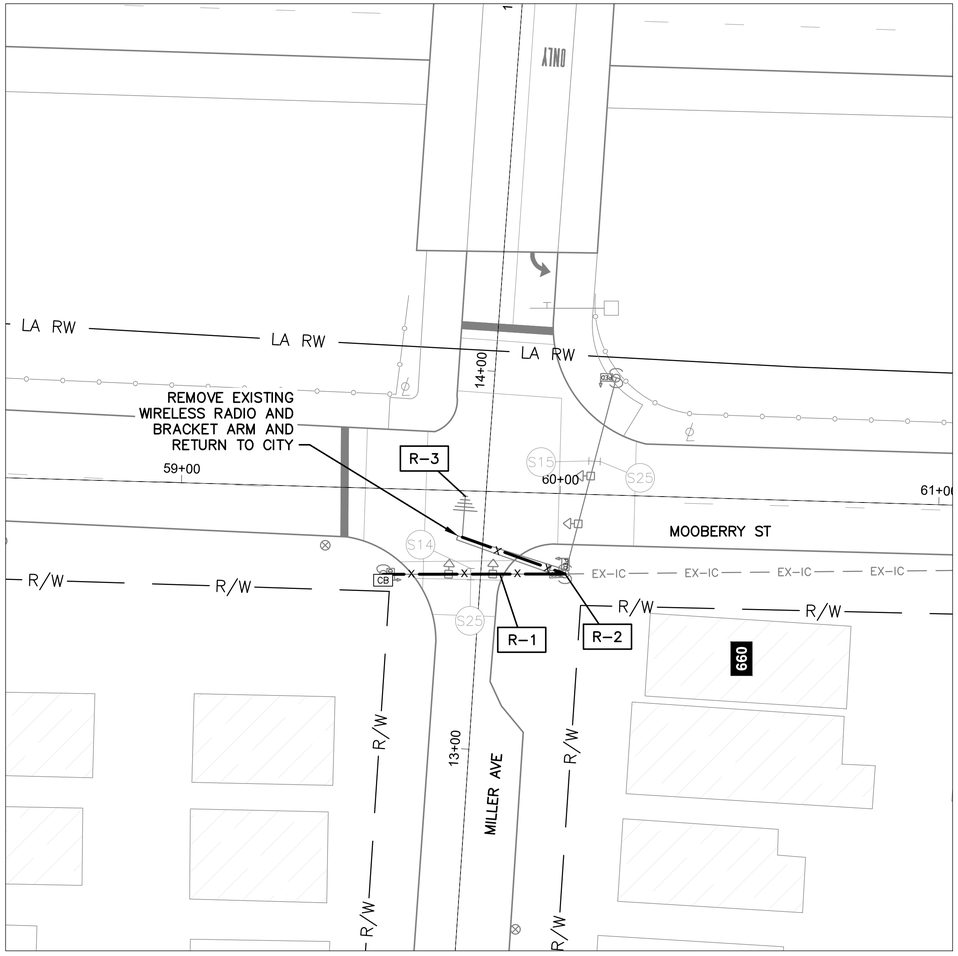
INTERCONNECT PLAN
INT 2115 - KELTON AVE AT MOOBERRY ST

CITY OF COLUMBUS TRAFFIC SIGNAL SYSTEM
(CTSS) PHASE F - FINAL SUBMITTAL

388
768

3676-E

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DETAIL - INT 2114 - MILLER AVE AT MOOBERRY ST

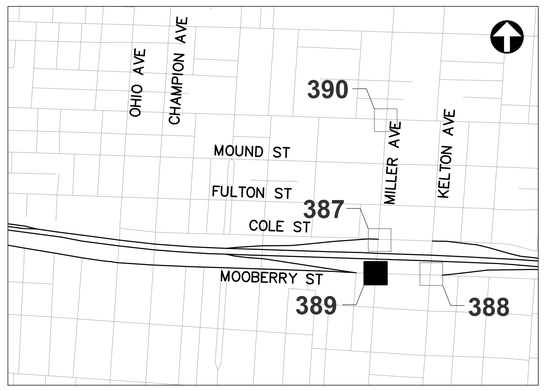
NOTES:

1. SEE SHEET 391 FOR QUANTITIES.
2. SEE SHEET 540 FOR COMMUNICATION DETAILS.

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CITY OF COLUMBUS
UTILITY LEGEND

- ☐ SEWER
- ☐ WATER
- ☐ POWER
- ☐ LIGHTING



REFER TO SHEET 238 FOR INTERCONNECT SHEET INDEX

KEY PLAN
NOT TO SCALE

HORIZONTAL SCALE IN FEET
0 20 40

CIP: 540007-100060
PID NUMBER: 110521

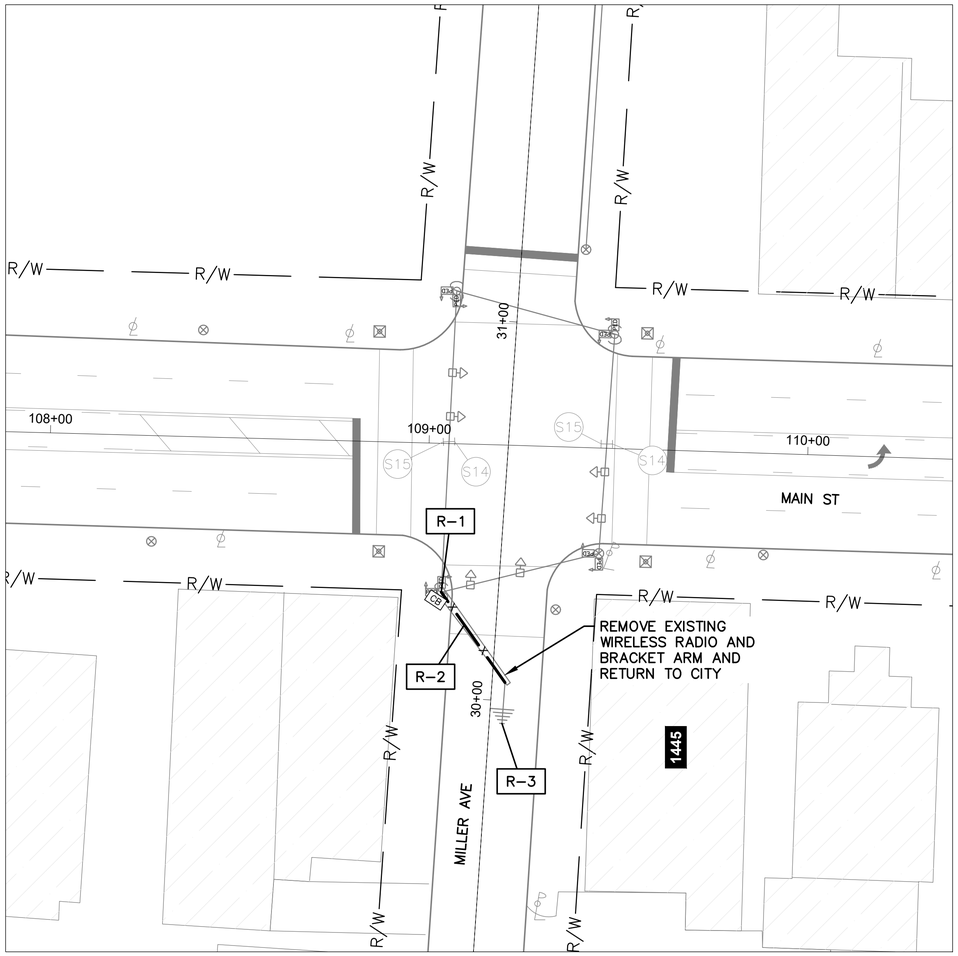
INTERCONNECT PLAN
INT 2114 – MILLER AVE AT MOOBERRY ST

CITY OF COLUMBUS TRAFFIC SIGNAL SYSTEM
(CTSS) PHASE F – FINAL SUBMITTAL

389
768

3676-E

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DETAIL - INT 2037 - MAIN ST AT MILLER AVE

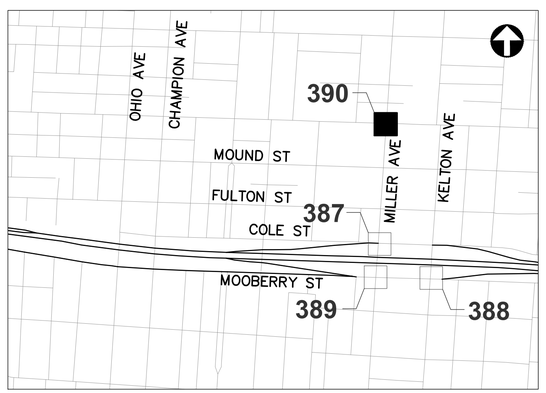
NOTES:

1. SEE SHEET 391 FOR QUANTITIES.

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CITY OF COLUMBUS
UTILITY LEGEND

- ☐ SEWER
- ☐ WATER
- ☐ POWER
- ☐ LIGHTING



REFER TO SHEET 238 FOR INTERCONNECT SHEET INDEX

KEY PLAN
NOT TO SCALE

3676-E

HORIZONTAL SCALE IN FEET
0 20 40

CIP: 540007-100060
PID NUMBER: 110521

INTERCONNECT PLAN
INT 2037 – MAIN ST AT MILLER AVE

CITY OF COLUMBUS TRAFFIC SIGNAL SYSTEM
(CTSS) PHASE F – FINAL SUBMITTAL

390
768

J:\Jobs\70202 – CTSS Phase F\TECHPROD\Sheets\CTSS_PhF_Trunk4_ASSORTED_INTS_INTERCONNECT.dwg – MILLER-3 layout ~ last saved by: gburch 05/31/2022 11:06am ~ printed 06/02/2022 12:54pm PSLTS: 1 LTS: 1 CAS: 1:1

ESTIMATED QUANTITIES

	REFERENCE NO.	LOCATION	STATION		202	202	632	632	632	632	632	632	632	632	633	633	633						
					EXISTING CONDUIT CLEANED, AS PER PLAN	REMOVAL, MISC.: REMOVE EXISTING OVERHEAD EQUIPMENT	CONDUIT RISER, 2", 725.051, AS PER PLAN	INTERCONNECT CABLE, MISC.: FIBER OPTIC DROP CABLE, 24 STRAND	INTERCONNECT CABLE, MISC.: FIBER OPTIC FUSION SPLICE	INTERCONNECT CABLE, MISC.: OVERLASH TO EXISTING INTERCONNECT	INTERCONNECT CABLE, MISC.: REMOVE EXISTING OVERHEAD INTERCONNECT	INTERCONNECT CABLE, MISC.: TERMINATION PANEL, 24 FIBER	INTERCONNECT, MISC.: SPLICE ENCLOSURE, DOME, 288 SPLICE	MESSENGER WIRE, 7 STRAND, 1/4" DIAMETER WITH ACCESSORIES, AS PER PLAN	REMOVAL OF BRACKET ARM	CONTROLLER ITEM, MISC.: FIBER OPTIC ETHERNET TRANSCEIVER, SHORT RANGE	CONTROLLER ITEM, MISC.: LAYER 2 ETHERNET SWITCH	CONTROLLER UNIT, TYPE TS2/A2, AS PER PLAN						
			FROM	TO	FT	EACH	EACH	FT	EACH	FT	FT	EACH	EACH	FT	EACH	EACH	EACH	EACH						
LIVINGSTON AVE., INT 2024																								
386	IC-1	LIVINGSTON AVE	1274+98, 37' RT	1276+17, 41' LT				239						239										
386	SE A-1	LIVINGSTON AVE	1274+98, 37' RT					125	24				1											
386	TC-1	LIVINGSTON AVE	1276+10, 39' LT					55				1				2	1	1						
386	IC-3	LIVINGSTON AVE	1276+10, 39' LT	1276+17, 41' LT	7			7																
386	IC-2	LIVINGSTON AVE	1276+17, 41' LT					35																
MILLER AVE., INT 2111																								
387	TC-1	COLE ST	7+16, 24' LT					35				1				2	1	1						
387	IC-4	COLE ST	7+16, 24' LT	7+51, 24, LT						45				45										
387	IC-3	COLE ST	7+51, 24, LT	7+67, 23' RT				46						46										
387	IC-2	COLE ST	7+67, 23' RT					35																
387	IC-1	COLE ST	7+67, 23' RT	7+79, 23' RT	12			12																
387	SE U-1	COLE ST	7+79, 23' RT					125	24				1											
KELTON AVE., INT 2115																								
388	TC-1	MOOBERRY ST	65+47, 24' LT				1	20				1				2	1	1						
388	IC-1	MOOBERRY ST	65+47, 24' LT	65+56, 33' LT	13			13																
388	SE U-1	MOOBERRY ST	65+56, 33' LT					125	24				1											
MILLER AVE., INT 2114																								
389	R-1	MILLER AVE	13+45, 26' LT	13+56, 5' LT							77													
389	R-2	MILLER AVE	13+48, 22' RT												1									
389	R-3	MILLER AVE	13+56, 5' LT			1																		
MAIN ST., INT 2037																								
390	R-1	MAIN ST	109+04, 39' RT												1									
390	R-2	MAIN ST	109+04, 39' RT	109+22, 63' RT							29													
390	R-3	MAIN ST	109+22, 63' RT			1																		
SHEET TOTAL					32	2	1	872	72	45	106	3	3	330	2	6	3	3	-	-	-	-	-	-

AERIAL SAG: 1.5% AERIAL SAG IS INCLUDED IN THE QUANTITIES FOR ANY AERIAL FIBER OR CABLE ITEMS.

3676-E

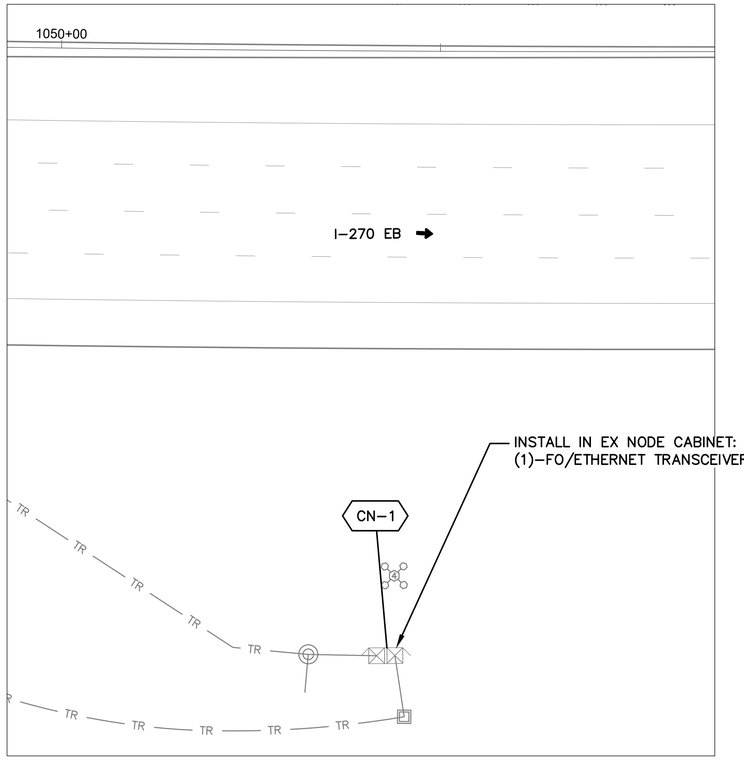
CIP: 540007–100060
PID NUMBER: 110521

ASSORTED INTERSECTIONS
INTS 2024, 2111, 2115, 2114, AND 2037

CITY OF COLUMBUS TRAFFIC SIGNAL SYSTEM
(CTSS) PHASE F – FINAL SUBMITTAL

391
768

J:\Jobs\70202 – CTSS Phase F\TECHPROD\Sheets\CTSS_PhF_Trunk4_INTERSECTIONS_IC_QUANTITIES.dwg – INTERSECTIONS Q1 layout ~ last saved by: gburch 05/31/2022 11:06am ~ printed 06/02/2022 02:06pm PSLTS: 1 LTS: 1 CAS: 1:1



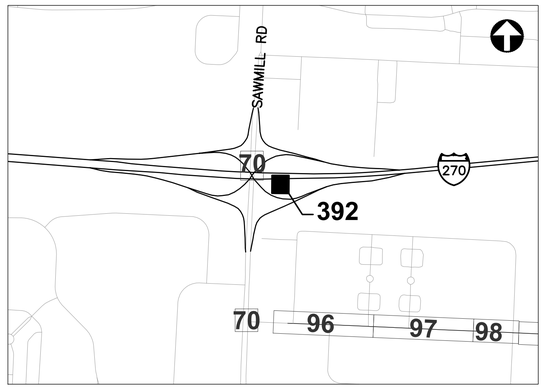
DETAIL - COMMUNICATIONS NODE #270019.8

0 20 40

HORIZONTAL
SCALE IN FEET

NOTES:

1. SEE SHEET 393 FOR QUANTITIES.
2. SEE SHEET 452, 691 & 692 FOR COMMUNICATION DETAILS.
3. LIMITED ACCESS RIGHT OF WAY IS LOCATED OUTSIDE OF THE EXTENT OF VIEWS SHOWN ABOVE.



REFER TO SHEET 232 FOR INTERCONNECT SHEET INDEX

KEY PLAN
NOT TO SCALE

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- ☐ SEWER
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- ☐ POWER
- ☐ LIGHTING

3676-E

0 40 80

HORIZONTAL
SCALE IN FEET

CIP: 540007–100060
PID NUMBER: 110521

COMMUNICATIONS NODE PLAN
I–270 AT SAWMILL RD, NODE #270019.8

CITY OF COLUMBUS TRAFFIC SIGNAL SYSTEM
(CTSS) PHASE F – FINAL SUBMITTAL

392
768

J:\Jobs\70202 – CTSS Phase F\TECHPROD\Sheets\CTSS_PhF_Trunk1_SAWMILL_I–270.dwg – NODE_270019.8 layout ~ last saved by: gburch 05/31/2022 11:06am ~ printed 06/02/2022 12:57pm PSLTS: 1 LTS: 1 CAS: 1:1

ESTIMATED QUANTITIES

SHEET NO.	REFERENCE NO.	LOCATION	STATION FROM	STATION TO	633 CONTROLLER ITEM, MISC.: FIBER OPTIC ETHERNET TRANSCEIVER, LONG RANGE	633 CONTROLLER ITEM, MISC.: FIBER OPTIC ETHERNET TRANSCEIVER, SHORT RANGE																	
					EACH	EACH																	
I-270 AT SAWMILL RD, NODE #270019.8																							
392	CN-1	I-270	1050+84, 160' RT		1	1																	
SHEET TOTAL					1	1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-

AERIAL SAG: 1.5% AERIAL SAG IS INCLUDED IN THE QUANTITIES FOR ANY AERIAL FIBER OR CABLE ITEMS.

3676-E

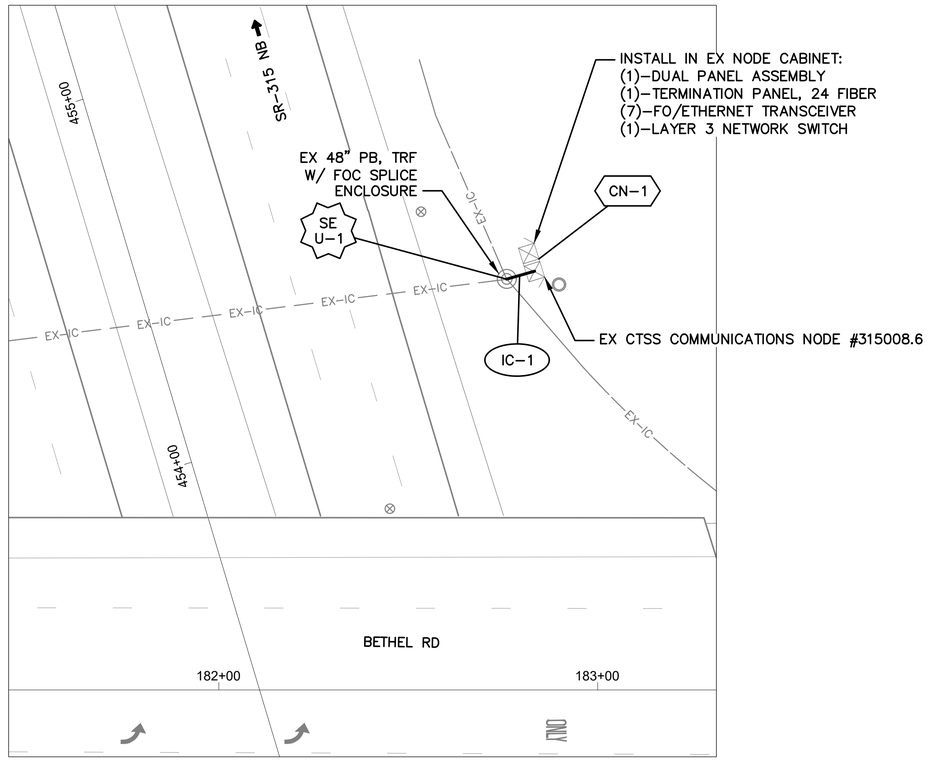
CIP: 540007-100060
PID NUMBER: 110521

I-270 AT SAWMILL RD
NODE #270019.8

CITY OF COLUMBUS TRAFFIC SIGNAL SYSTEM
(CTSS) PHASE F - FINAL SUBMITTAL

393
768

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DETAIL - COMMUNICATIONS NODE #315008.6

0 20 40

HORIZONTAL
SCALE IN FEET

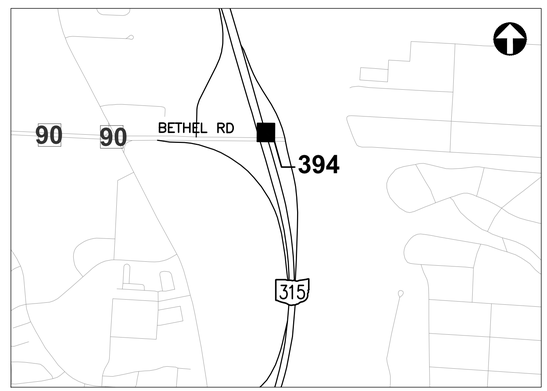
NOTES:

1. SEE SHEET 395 FOR QUANTITIES.
2. SEE SHEET 456, 695 & 696 FOR COMMUNICATION DETAILS.
3. LIMITED ACCESS RIGHT OF WAY IS LOCATED OUTSIDE OF THE EXTENT OF VIEWS SHOWN ABOVE.

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UTILITY LEGEND

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- ☐ WATER
- ☐ POWER
- ☐ LIGHTING



REFER TO SHEET 234 FOR INTERCONNECT SHEET INDEX

KEY PLAN
NOT TO SCALE

3676-E

0 40 80
HORIZONTAL
SCALE IN FEET

CIP: 540007-100060
PID NUMBER: 110521

COMMUNICATIONS NODE PLAN
SR-315 AT BETHEL RD, NODE #315008.6

CITY OF COLUMBUS TRAFFIC SIGNAL SYSTEM
(CTSS) PHASE F - FINAL SUBMITTAL

394
768

J:\Jobs\70202 - CTSS Phase F\TECHPROD\Sheets\CTSS_PhF_Trunk1_BETHEL_SR-315.dwg - NODE_315008.6 layout ~ last saved by: gburch 05/31/2022 11:08am ~ printed 06/02/2022 12:57pm PSLTS: 1 LTS: 1 CAS: 1:1

ESTIMATED QUANTITIES

SHEET NO.	REFERENCE NO.	LOCATION	STATION		202	632	632	632	632	633	633	633												
					EXISTING CONDUIT CLEANED, AS PER PLAN	INTERCONNECT CABLE, MISC.: FIBER OPTIC FUSION SPLICE	INTERCONNECT, MISC.: DUAL PANEL ASSEMBLY, 24 FIBER, 1 RU, PRE-TERMINATED	INTERCONNECT, MISC.: PRE-TERMINATED FIBER OPTIC DROP CABLE, 24 STRAND, 150FT	INTERCONNECT, MISC.: TERMINATION PANEL, 24 FIBER, 1 RU	CONTROLLER ITEM, MISC.: FIBER OPTIC ETHERNET TRANSCEIVER, LONG RANGE	CONTROLLER ITEM, MISC.: FIBER OPTIC ETHERNET TRANSCEIVER, SHORT RANGE	CONTROLLER ITEM, MISC.: LAYER 3 ETHERNET SWITCH, ENVIRONMENTALLY HARDENED											
			FROM	TO	FT	EACH	EACH	EACH	EACH	EACH	EACH	EACH												
SR-315 AT BETHEL RD, NODE #315008.6																								
394	SE U-1	BETHEL RD	182+76, 108' LT			24																		
394	IC-1	BETHEL RD	182+76, 108' LT	182+84, 110' LT	8			1																
394	CN-1	BETHEL RD	182+84, 110' LT				1		1	1	6	1												
SHEET TOTAL					8	24	1	1	1	1	6	1	-	-	-	-	-	-	-	-	-	-	-	-

AERIAL SAG: 1.5% AERIAL SAG IS INCLUDED IN THE QUANTITIES FOR ANY AERIAL FIBER OR CABLE ITEMS.

3676-E

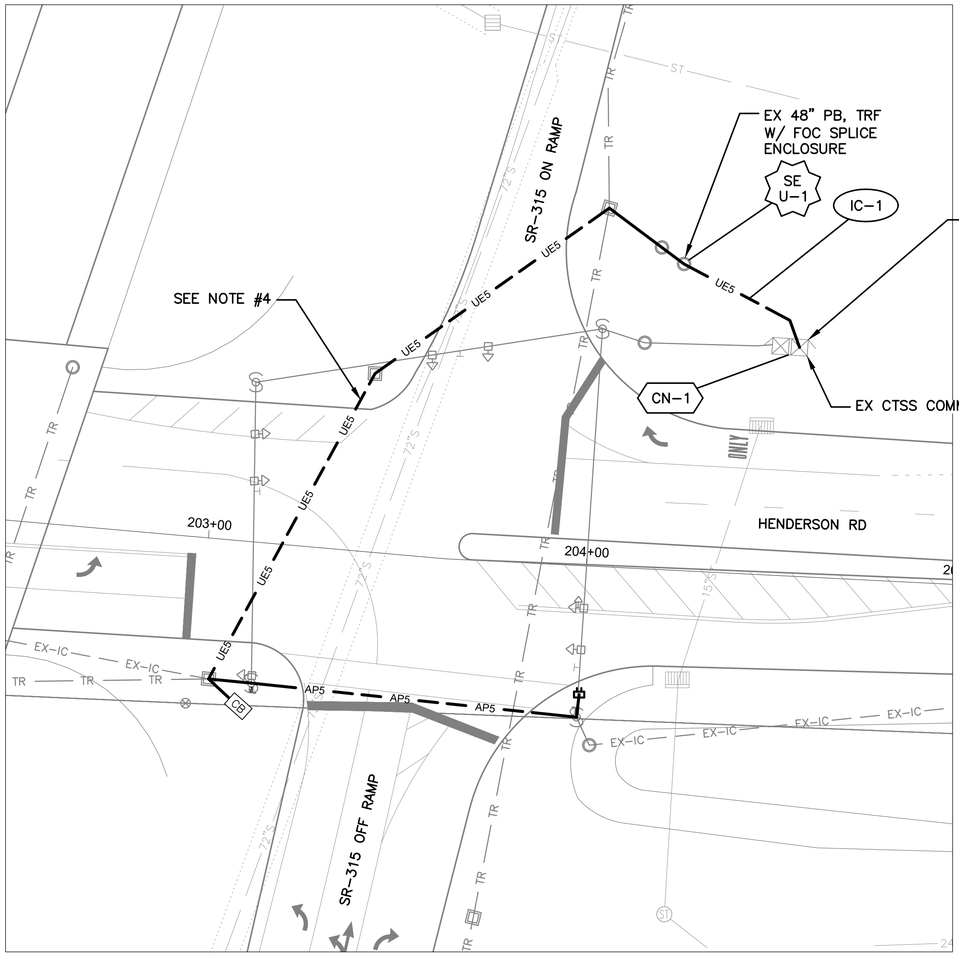
CIP: 540007-100060
PID NUMBER: 110521

SR-315 AT BETHEL RD
NODE #315008.6

CITY OF COLUMBUS TRAFFIC SIGNAL SYSTEM
(CTSS) PHASE F - FINAL SUBMITTAL

395
768

J:\Jobs\70202 - CTSS Phase F\TECHPROD\Sheets\CTSS_PhF_NODE_QUANTITIES.dwg - NODE #315008.6 Q1 layout - last saved by: gburch 05/31/2022 11:09am ~ printed 06/02/2022 02:05pm PSLTS: 1 LTS: 1 CAS: 1:1



DETAIL - COMMUNICATIONS NODE #315007.8

0 20 40

HORIZONTAL
SCALE IN FEET

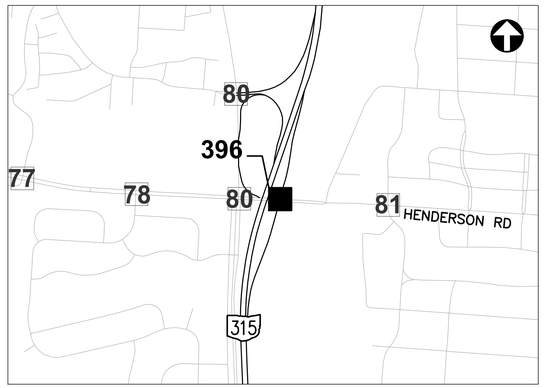
NOTES:

1. SEE SHEET 397 FOR QUANTITIES.
2. SEE SHEETS 456, 697 & 698 FOR COMMUNICATION DETAILS.
3. LIMITED ACCESS RIGHT OF WAY IS LOCATED OUTSIDE OF THE EXTENT OF VIEWS SHOWN ABOVE.
4. SEE SHEET 81 FOR RSU AND INTERCONNECT PLAN.

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CITY OF COLUMBUS
UTILITY LEGEND

- ☐ SEWER
- ☐ WATER
- ☐ POWER
- ☐ LIGHTING



REFER TO SHEET 234 FOR
INTERCONNECT SHEET INDEX

KEY PLAN
NOT TO SCALE

3676-E

0 40 80
HORIZONTAL
SCALE IN FEET

CIP: 540007-100060
PID NUMBER: 110521

COMMUNICATIONS NODE PLAN
SR-315 AT HENDERSON RD, NODE #315007.8

CITY OF COLUMBUS TRAFFIC SIGNAL SYSTEM
(CTSS) PHASE F - FINAL SUBMITTAL

396
768

J:\Jobs\70202 - CTSS Phase F\TECHPROD\Sheets\CTSS_PhF_Trunk1_HENDERSON_SR-315.dwg - NODE_315007.8 layout - last saved by: gburch 05/31/2022 11:08am - printed 06/02/2022 12:58pm PSLTs: 1 LTS: 1 CAS: 1:1

ESTIMATED QUANTITIES

SHEET NO.	REFERENCE NO.	LOCATION	STATION		202	632	632	632	632	633	633													
					EXISTING CONDUIT CLEANED, AS PER PLAN	INTERCONNECT CABLE, MISC.: FIBER OPTIC FUSION SPLICE	INTERCONNECT, MISC.: DUAL PANEL ASSEMBLY, 24 FIBER, 1 RU, PRE-TERMINATED	INTERCONNECT, MISC.: PRE-TERMINATED FIBER OPTIC DROP CABLE, 24 STRAND, 150FT	INTERCONNECT, MISC.: TERMINATION PANEL, 24 FIBER, 1 RU	CONTROLLER ITEM, MISC.: FIBER OPTIC ETHERNET TRANSCEIVER, SHORT RANGE	CONTROLLER ITEM, MISC.: LAYER 3 ETHERNET SWITCH, ENVIRONMENTALLY HARDENED													
			FROM	TO	FT	EACH	EACH	EACH	EACH	EACH	EACH													
SR-315 AT HENDERSON RD, NODE #315007.8																								
396	SE U-1	HENDERSON RD	204+21, 81' LT			24																		
396	IC-1	HENDERSON RD	204+21, 81' LT	204+53, 60' LT	39			1																
396	CN-1	HENDERSON RD	204+53, 60' LT				1		1	4	1													
SHEET TOTAL					39	24	1	1	1	4	1	-	-	-	-	-	-	-	-	-	-	-	-	-

AERIAL SAG: 1.5% AERIAL SAG IS INCLUDED IN THE QUANTITIES FOR ANY AERIAL FIBER OR CABLE ITEMS.

3676-E

CIP: 540007-100060
PID NUMBER: 110521

SR-315 AT HENDERSON RD
NODE #315007.8

CITY OF COLUMBUS TRAFFIC SIGNAL SYSTEM
(CTSS) PHASE F - FINAL SUBMITTAL

397
768

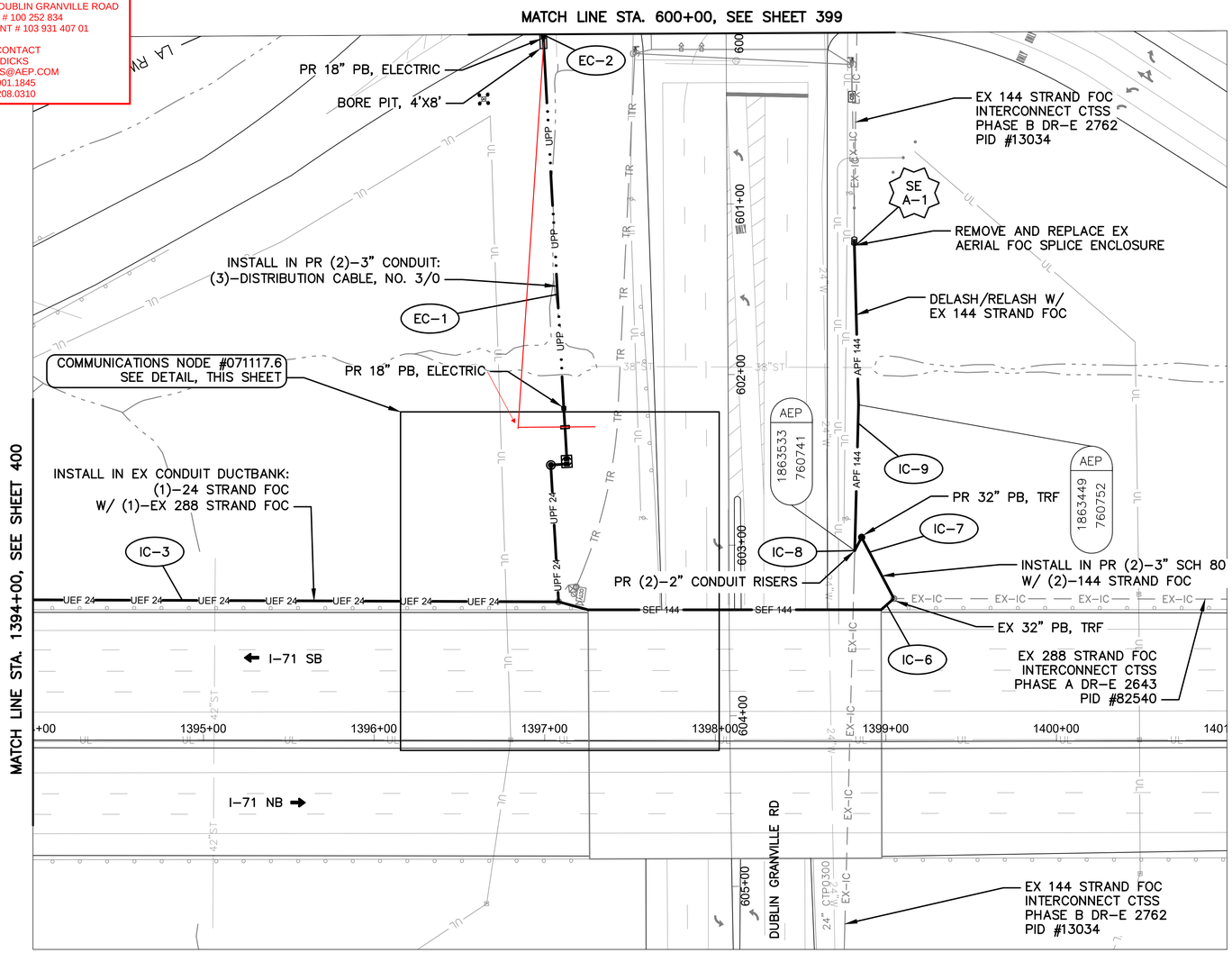
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Labeled incorrectly, GFI not in the correct cabinet. Send out Path Master to investigate

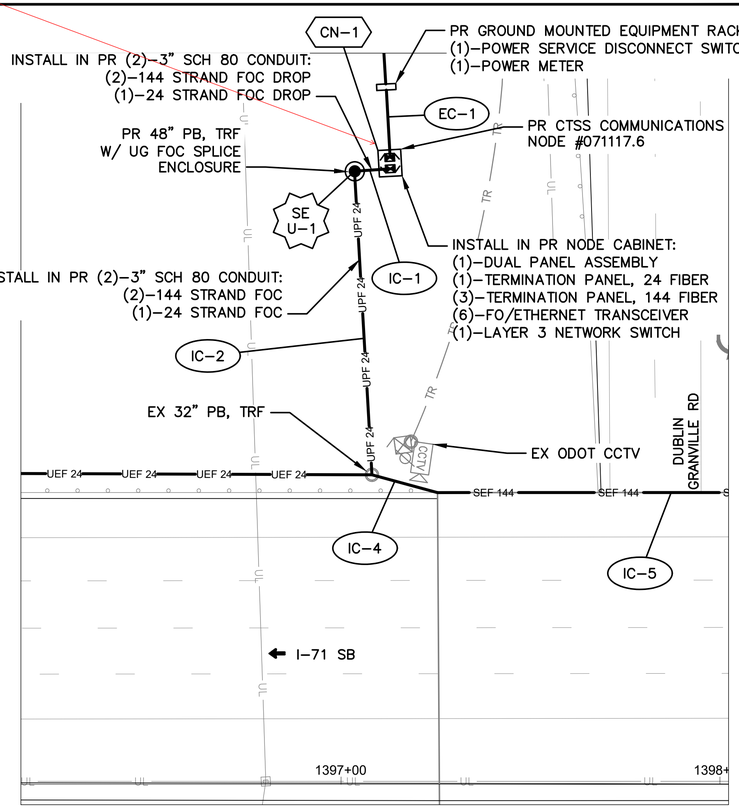
AEP INFORMATION

1129 E DUBLIN GRANVILLE ROAD
ORDER # 100 252 834
ACCOUNT # 103 931 407 01

FIELD CONTACT
KYLE J DICKS
KJDICKS@AEP.COM
D: 614.901.1845
C: 614.208.0310

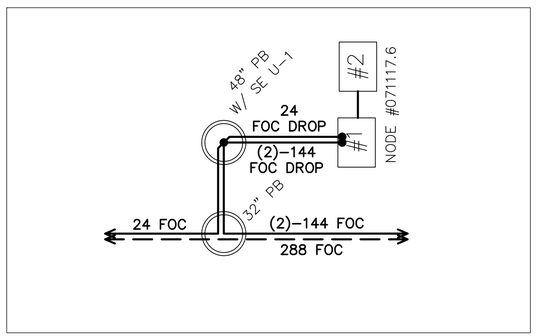


I-71 BETWEEN STATION 1394+00 AND 1401+00



DETAIL - COMMUNICATIONS NODE #071117.6

0 20 40
HORIZONTAL SCALE IN FEET



CABLE SCHEMATIC - NODE #071117.6

NOT TO SCALE

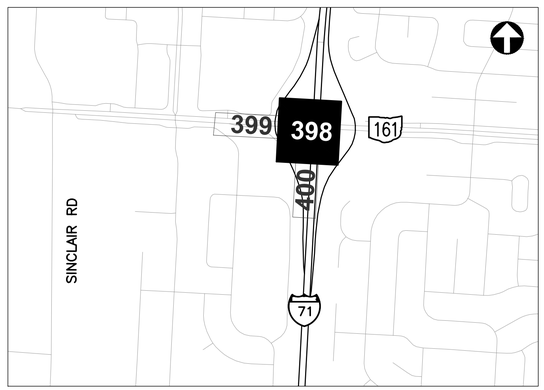
NOTES:

1. SEE SHEET 401 & 402 FOR QUANTITIES.
2. SEE SHEETS 465, 707 & 708 FOR COMMUNICATION DETAILS.
3. SEE SHEET 258 FOR NODE POWER DETAILS.
4. LIMITED ACCESS RIGHT OF WAY IS LOCATED OUTSIDE OF THE EXTENT OF VIEWS SHOWN ABOVE.

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CITY OF COLUMBUS UTILITY LEGEND

- ☐ SEWER
- ☐ WATER
- ☐ POWER
- ☐ LIGHTING



REFER TO SHEET 233 FOR INTERCONNECT SHEET INDEX

KEY PLAN
NOT TO SCALE

3676-E

HORIZONTAL SCALE IN FEET
0 40 80

CIP: 540007-100060
PID NUMBER: 110521

COMMUNICATIONS NODE PLAN
I-71 BETWEEN STA. 1394+00 AND 1401+00, NODE #071117.6

CITY OF COLUMBUS TRAFFIC SIGNAL SYSTEM
(CTSS) PHASE F – FINAL SUBMITTAL

398
768

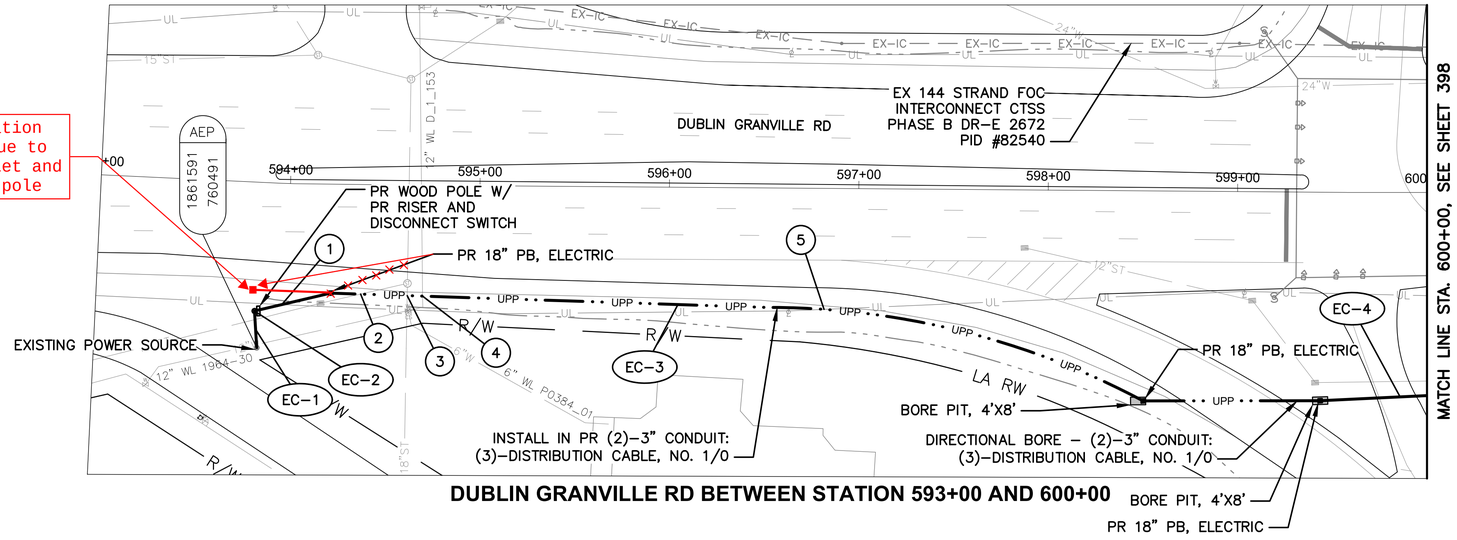
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AEP INFORMATION

1129 E DUBLIN GRANVILLE ROAD
ORDER # 100 252 834
ACCOUNT # 103 931 407 01

FIELD CONTACT
KYLE J DICKS
KJDICKS@AEP.COM
D: 614.901.1845
C: 614.208.0310

PB moved to station XXX+XX, XX RT due to conflict with inlet and existing light pole



DUBLIN GRANVILLE RD BETWEEN STATION 593+00 AND 600+00

NOTES:

1. SEE SHEETS 401 & 402 FOR QUANTITIES.
2. SEE SHEETS 465, 707 & 708 FOR COMMUNICATION DETAILS.
3. SEE SHEET 258 FOR NODE POWER DETAILS.
4. LIMITED ACCESS RIGHT OF WAY IS LOCATED OUTSIDE OF THE EXTENT OF VIEWS SHOWN ABOVE.

(#) EXISTING UTILITY CROSSING. SEE UTILITY CROSSING INFO SHEET 246.

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CITY OF COLUMBUS UTILITY LEGEND

- ☒ SEWER
- ☒ WATER
- ☐ POWER
- ☒ LIGHTING



REFER TO SHEET 233 FOR INTERCONNECT SHEET INDEX

KEY PLAN
NOT TO SCALE

3676-E

HORIZONTAL SCALE IN FEET
0 40 80

CIP: 540007-100060
PID NUMBER: 110521

COMMUNICATIONS NODE PLAN
DUBLIN GRANVILLE RD BETWEEN STA. 593+00 AND 600+00

CITY OF COLUMBUS TRAFFIC SIGNAL SYSTEM
(CTSS) PHASE F - FINAL SUBMITTAL

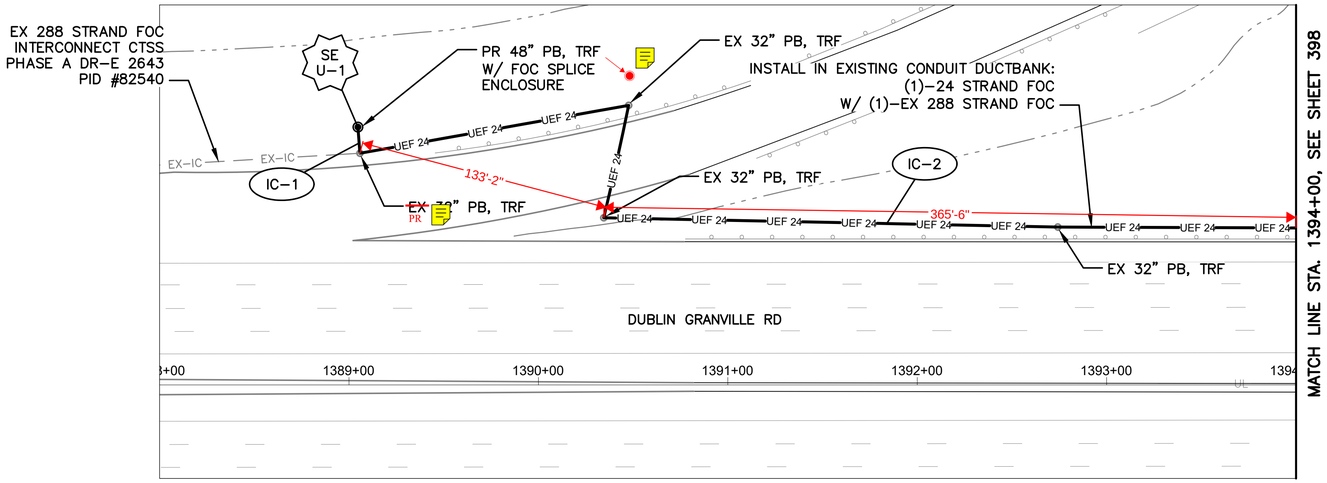
399
768

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AEP INFORMATION

1129 E DUBLIN GRANVILLE ROAD
ORDER # 100 252 834
ACCOUNT # 103 931 407 01

FIELD CONTACT
KYLE J DICKS
KJDICKS@AEP.COM
D: 614.901.1845
C: 614.208.0310



I-71 BETWEEN STATION 1388+00 AND 1394+00

NOTES:

1. SEE SHEETS 401 & 402 FOR QUANTITIES.
2. SEE SHEETS 465, 707 & 708 FOR COMMUNICATION DETAILS.
3. SEE SHEET 258 FOR NODE POWER DETAILS.
4. LIMITED ACCESS RIGHT OF WAY IS LOCATED OUTSIDE OF THE EXTENT OF VIEWS SHOWN ABOVE.

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CITY OF COLUMBUS UTILITY LEGEND

- ☐ SEWER
- ☐ WATER
- ☐ POWER
- ☐ LIGHTING



REFER TO SHEET 233 FOR INTERCONNECT SHEET INDEX

KEY PLAN
NOT TO SCALE

3676-E

HORIZONTAL SCALE IN FEET
0 40 80

CIP: 540007-100060
PID NUMBER: 110521

COMMUNICATIONS NODE PLAN
I-71 BETWEEN STA. 1388+00 AND 1394+00

CITY OF COLUMBUS TRAFFIC SIGNAL SYSTEM
(CTSS) PHASE F - FINAL SUBMITTAL

400
768

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ESTIMATED QUANTITIES

SHEET NO.	REFERENCE NO.	LOCATION	STATION		202	625	625	625	625	625	625	625	625	625	625	632	632	632	632	632	632	632	632
					EXISTING CONDUIT CLEANED, AS PER PLAN	CONDUIT, 3", AS PER PLAN	CONDUIT, 4", AS PER PLAN	CONDUIT, JACKED OR DRILLED, 3", AS PER PLAN	DISTRIBUTION CABLE, NO. 1/0	GROUND ROD	POWER SERVICE, TYPE A, WITH METER SETTING, AS PER PLAN	PULL BOX, 18", 725.08, AS PER PLAN	PULL BOX, CONCRETE 32", AS PER PLAN	PULL BOX, CONCRETE 48", AS PER PLAN	PULL BOX, REMOVED, AS PER PLAN	TRENCH, 36" DEEP, AS PER PLAN	CONDUIT RISER, 2", 725.051, AS PER PLAN	INTERCONNECT CABLE, MISC.: FIBER OPTIC CABLE, 144 STRAND	INTERCONNECT CABLE, MISC.: FIBER OPTIC CABLE, 24 STRAND	INTERCONNECT CABLE, MISC.: FIBER OPTIC FUSION SPLICE	INTERCONNECT CABLE, MISC.: OVERLASH TO EXISTING INTERCONNECT	INTERCONNECT, MISC.: DUAL PANEL ASSEMBLY, 24 FIBER, 1 RU, PRE-TERMINATED	INTERCONNECT, MISC.: PRE-TERMINATED FIBER OPTIC DROP CABLE, 144 STRAND, 150FT	INTERCONNECT, MISC.: PRE-TERMINATED FIBER OPTIC DROP CABLE, 24 STRAND, 150FT
			FROM	TO	FT	FT	FT	FT	FT	EACH	EACH	EACH	EACH	EACH	EACH	FT	EACH	FT	FT	EACH	FT	EACH	EACH	EACH
I-71 BETWEEN STA. 1394+00 AND 1401+00, NODE #071117.6																								
398	IC-3	I-71	1394+00, 83' LT	1397+08, 82' LT	308														308					
398	EC-2	I-71	1396+99, 414' LT	1396+99, 413' LT				2	3			1												
398	EC-1	I-71	1396+99, 413' LT	1397+13, 165' LT		496			744			1				248								
398	IC-2	I-71	1397+04, 162' LT	1397+08, 82' LT		180										90		180	90					
398	SE U-1	I-71	1397+04, 162' LT											1	1			150	225	312				
398	IC-1	I-71	1397+04, 162' LT	1397+13, 165' LT		18										9							2	1
398	IC-4	I-71	1397+08, 82' LT	1397+25, 77' LT	18													36						
398	CN-1	I-71	1397+13, 165' LT						40	2												1		
398	IC-5	I-71	1397+25, 77' LT	1398+97, 77' LT	172													344						
398	SE A-1	I-71	1398+81, 293' LT															150	150	288				
398	IC-9	I-71	1398+81, 293' LT	1398+82, 112' LT														368			184			
398	IC-8	I-71	1398+82, 112' LT														2	70						
398	IC-7	I-71	1398+82, 112' LT	1399+05, 84' LT		98							1			49		98						
398	IC-6	I-71	1398+97, 77' LT	1399+05, 84' LT	10													20						
DUBLIN GRANVILLE RD. BETWEEN STA. 593+00 AND 600+00																								
399	EC-1	DUBLIN GRANVILLE RD	593+84, 68' RT	593+86, 87' RT					60															
399	EC-2	DUBLIN GRANVILLE RD	593+84, 68' RT						105	1	1						2							
399	EC-3	DUBLIN GRANVILLE RD	593+84, 68' RT	598+51, 111' RT		956			1,434			1				478								
399	EC-4	DUBLIN GRANVILLE RD	598+51, 111' RT	600+00, 107' RT				300	450			2												
I-71 BETWEEN STA. 1388+00 AND 1394+00																								
400	SE U-1	I-71	1389+04, 136' LT											1					225	24				
400	IC-1	I-71	1389+04, 136' LT	1389+06, 122' LT			28									14			14					
400	IC-2	I-71	1389+06, 122' LT	1394+00, 83' LT	570														570					
SHEET TOTAL					1,078	1,748	28	302	2,836	3	1	5	1	2	1	888	4	1,416	1,582	624	184	1	2	1

AEP INFORMATION

1129 E DUBLIN GRANVILLE ROAD
ORDER # 100 252 834
ACCOUNT # 103 931 407 01

FIELD CONTACT
KYLE J DICKS
KJDICKS@AEP.COM
D: 614.901.1845
C: 614.208.0310

AERIAL SAG: 1.5% AERIAL SAG IS INCLUDED IN THE QUANTITIES FOR ANY AERIAL FIBER OR CABLE ITEMS.

3676-E

CIP: 540007-100060
PID NUMBER: 110521

I-71 BETWEEN STA. 1394+00 & 1401+00
NODE #071117.6

CITY OF COLUMBUS TRAFFIC SIGNAL SYSTEM
(CTSS) PHASE F – FINAL SUBMITTAL

401
768

J:\Jobs\70202 – CTSS Phase F\TECHPROD\Sheets\CTSS_PhF_NODE_QUANTITIES.dwg – NODE #071117.6 Q1 layout – last saved by: gburch 05/31/2022 11:09am ~ printed 06/02/2022 02:07pm PSLTS: 1 LTS: 1 CAS: 1:1

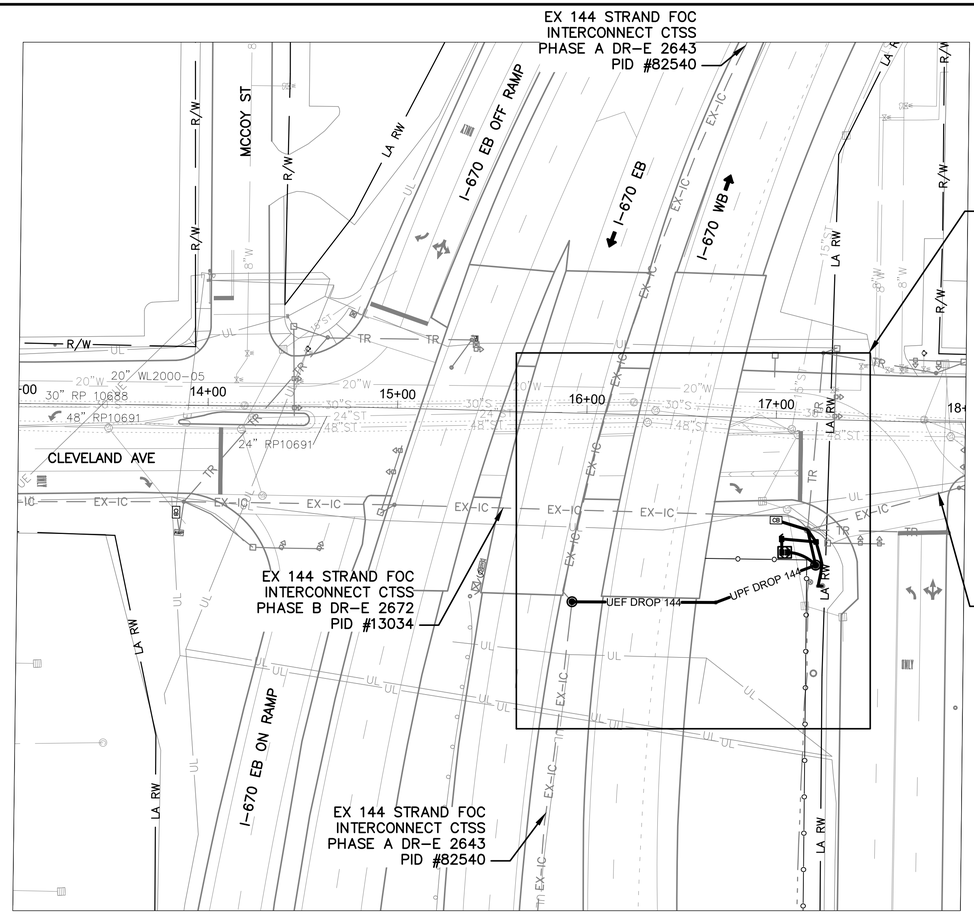
ESTIMATED QUANTITIES

SHEET NO.	REFERENCE NO.	LOCATION	STATION FROM	STATION TO	632 INTERCONNECT, MISC.: SPLICE ENCLOSURE, DOME, 900 SPLICE EACH	632 INTERCONNECT, MISC.: TERMINATION PANEL, 144 FIBER, 4 RU EACH	632 INTERCONNECT, MISC.: TERMINATION PANEL, 24 FIBER, 1 RU EACH	632 MESSENGER WIRE, 7 STRAND, 1/4" DIAMETER WITH ACCESSORIES, AS PER PLAN FT	632 WOOD POLE, CLASS 5, 35 FT EACH	633 CONTROLLER ITEM, MISC.: COMMUNICATIONS NODE EACH	633 CONTROLLER ITEM, MISC.: FIBER OPTIC ETHERNET TRANSCEIVER, SHORT RANGE EACH	633 CONTROLLER ITEM, MISC.: LAYER 3 ETHERNET SWITCH, ENVIRONMENTALLY HARDENED EACH												
I-71 BETWEEN STA. 1394+00 AND 1401+00, NODE #071117.6																								
398	IC-3	I-71	1394+00, 83' LT	1397+08, 82' LT																				
398	EC-2	I-71	1396+99, 414' LT	1396+99, 413' LT																				
398	EC-1	I-71	1396+99, 413' LT	1397+13, 165' LT																				
398	IC-2	I-71	1397+04, 162' LT	1397+08, 82' LT																				
398	SE U-1	I-71	1397+04, 162' LT		1																			
398	IC-1	I-71	1397+04, 162' LT	1397+13, 165' LT																				
398	IC-4	I-71	1397+08, 82' LT	1397+25, 77' LT																				
398	CN-1	I-71	1397+13, 165' LT			3	1			1	6	1												
398	IC-5	I-71	1397+25, 77' LT	1398+97, 77' LT																				
398	SE A-1	I-71	1398+81, 293' LT		1																			
398	IC-9	I-71	1398+81, 293' LT	1398+82, 112' LT																				
398	IC-8	I-71	1398+82, 112' LT																					
398	IC-7	I-71	1398+82, 112' LT	1399+05, 84' LT																				
398	IC-6	I-71	1398+97, 77' LT	1399+05, 84' LT																				
DUBLIN GRANVILLE RD. BETWEEN STA. 593+00 AND 600+00																								
399	EC-1	DUBLIN GRANVILLE RD	593+84, 68' RT	593+86, 87' RT				20																
399	EC-2	DUBLIN GRANVILLE RD	593+84, 68' RT						1															
399	EC-3	DUBLIN GRANVILLE RD	593+84, 68' RT	598+51, 111' RT																				
399	EC-4	DUBLIN GRANVILLE RD	598+51, 111' RT	600+00, 107' RT																				
I-71 BETWEEN STA. 1388+00 AND 1394+00																								
400	SE U-1	I-71	1389+04, 136' LT		1																			
400	IC-1	I-71	1389+04, 136' LT	1389+06, 122' LT																				
400	IC-2	I-71	1389+06, 122' LT	1394+00, 83' LT																				

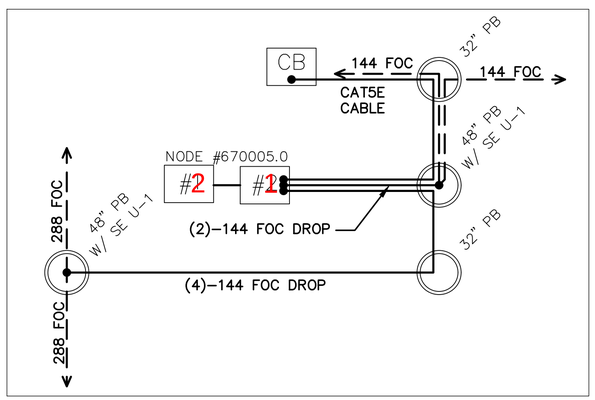
AEP INFORMATION

398 CLEVELAND AVENUE
ORDER # 108 699 165
ACCOUNT # 106 835 369 07

FIELD CONTACT
MARK A PLOGSTED
MAPLOGSTED@AEP.COM
D: 614.932.1905
C: 614.264.6923



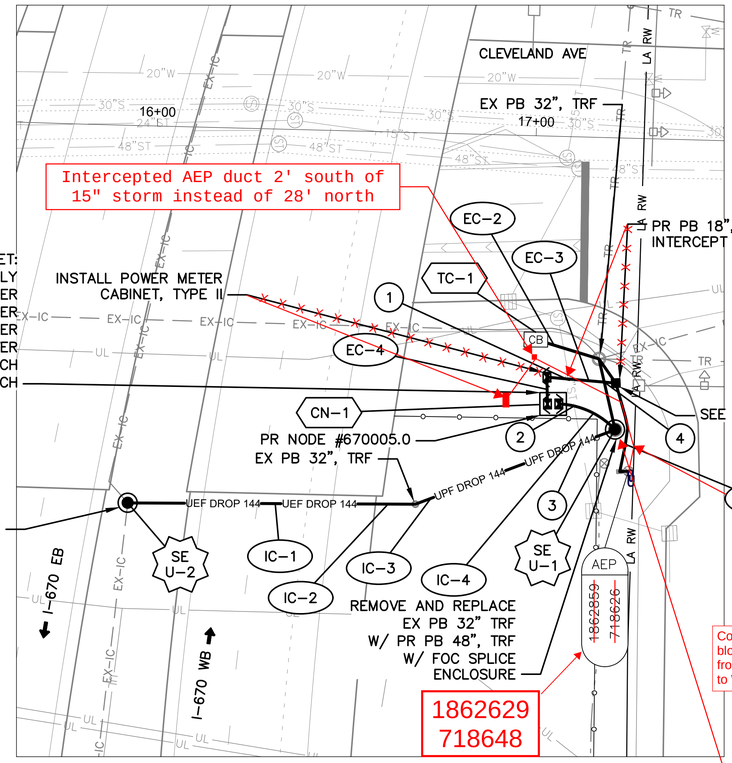
CLEVELAND AVE BETWEEN STATION 13+00 AND 18+00



CABLE SCHEMATIC - NODE #670005.0
NOT TO SCALE

INSTALL IN PR NODE CABINET:
(1)-DUAL PANEL ASSEMBLY
(2)-TERMINATION PANEL, 24 FIBER
(2)-TERMINATION PANEL, 144 FIBER
(1)-TERMINATION PANEL, 288 FIBER
(8)-FO/ETHERNET TRANSCEIVER
(1)-LAYER 2 NETWORK SWITCH
(1)-LAYER 3 NETWORK SWITCH

REMOVE AND REPLACE
EX PB 32" TRF
W/ PR PB 48", TRF
W/ FOC SPLICE
ENCLOSURE



DETAIL - COMMUNICATIONS NODE #670005.0

0 20 40
HORIZONTAL
SCALE IN FEET

NOTES:

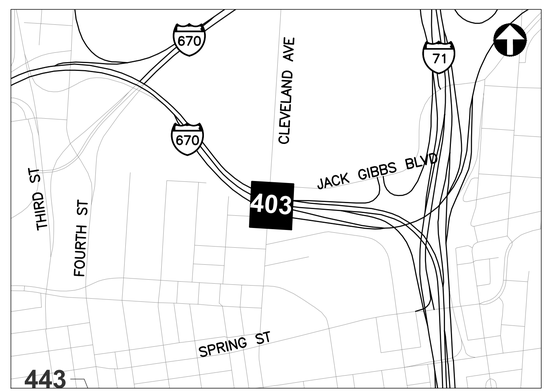
1. SEE SHEETS 404 & 405 FOR QUANTITIES.
2. SEE SHEETS 480, 728, & 729 FOR COMMUNICATION DETAILS.
3. PROPOSED COMMUNICATIONS CONTINUE NORTH AND SOUTH OF NODE #670005.0. SEE SHEETS 480 & 666 FOR CONTINUATION.
4. SEE SHEET 259 FOR NODE POWER DETAILS.
5. LIMITED ACCESS RIGHT OF WAY IS LOCATED OUTSIDE OF THE EXTENT OF VIEWS SHOWN ABOVE.
6. INTERCEPT EXISTING SIGNAL POWER SERVICE CONDUIT AND INSTALL 18" PULL BOX. REROUTE EXISTING SIGNAL POWER CABLE FROM DISCONNECT SWITCH AND ROUTE TO PROPOSED POWER DISTRIBUTION CABINET. INSTALL NEW POWER CABLE IN PROPOSED CONDUIT BETWEEN EXISTING DISCONNECT SWITCH AND PROPOSED DISTRIBUTION CABINET, AND BETWEEN PROPOSED POWER DISTRIBUTION CABINET AND COMMUNICATIONS NODE.

(#) EXISTING UTILITY CROSSING. SEE UTILITY CROSSING INFO SHEET 246.

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CITY OF COLUMBUS UTILITY LEGEND

- ☒ SEWER
- ☒ WATER
- ☒ POWER
- ☒ LIGHTING



REFER TO SHEET 238 FOR INTERCONNECT SHEET INDEX

KEY PLAN
NOT TO SCALE

3676-E

HORIZONTAL SCALE IN FEET
0 40 80

CIP: 540007-100060
PID NUMBER: 110521

CITY OF COLUMBUS TRAFFIC SIGNAL SYSTEM
(CTSS) PHASE F - FINAL SUBMITTAL

COMMUNICATIONS NODE PLAN
CLEVELAND AVE BETWEEN STA. 13+00 AND 18+00, NODE #670005.0

403
768

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ESTIMATED QUANTITIES

SHEET NO.	REFERENCE NO.	LOCATION	STATION		202	625	625	625	625	625	625	625	625	625	632	632	632	632	632	632	632	632	632	633
					EXISTING CONDUIT CLEANED, AS PER PLAN	CONDUIT, 3", AS PER PLAN	CONDUIT, 4", AS PER PLAN	DISTRIBUTION CABLE, NO. 6	GROUND ROD	POWER SERVICE, TYPE B, WITH METER SETTING, AS PER PLAN	PULL BOX, 18", 725.08, AS PER PLAN	PULL BOX, CONCRETE 48", AS PER PLAN	PULL BOX, REMOVED, AS PER PLAN	TRENCH, 36" DEEP, AS PER PLAN	INTERCONNECT CABLE, MISC.: FIBER OPTIC FUSION SPLICE	INTERCONNECT, MISC.: CAT 5E CABLE, OUTDOOR RATED	INTERCONNECT, MISC.: DUAL PANEL ASSEMBLY, 24 FIBER, 1 RU, PRE-TERMINATED	INTERCONNECT, MISC.: PRE-TERMINATED FIBER OPTIC DROP CABLE, 144 STRAND, 150FT	INTERCONNECT, MISC.: PRE-TERMINATED FIBER OPTIC DROP CABLE, 144 STRAND, 475FT	INTERCONNECT, MISC.: SPLICE ENCLOSURE, DOME, 800 SPLICE	INTERCONNECT, MISC.: TERMINATION PANEL, 144 FIBER, 4 RU	INTERCONNECT, MISC.: TERMINATION PANEL, 24 FIBER, 1 RU	INTERCONNECT, MISC.: TERMINATION PANEL, 288 FIBER, 4 RU	CABINET, POWER METER CABINET TYPE 2
			FROM	TO	FT	FT	FT	FT	EACH	EACH	EACH	EACH	EACH	FT	EACH	FT	EACH	EACH	EACH	EACH	EACH	EACH	EACH	EACH
CLEVELAND AVE. BETWEEN STA. 13+00 AND 18+00, NODE #670005.0																								
403	SE U-2	CLEVELAND AVE	15+95, 100' RT									1	1		576					1				
403	IC-1	CLEVELAND AVE	15+95, 100' RT	16+91, 60' RT															4					
403	IC-2	CLEVELAND AVE	15+95, 100' RT	16+70, 98' RT	76																			
403	IC-3	CLEVELAND AVE	16+70, 98' RT	17+25, 75' RT			118							59										
403	EC-4	CLEVELAND AVE	17+05, 64' RT	17+07, 71' RT		7		14						7										
403	EC-3	CLEVELAND AVE	17+05, 64' RT	17+23, 65' RT		18		40	1	1	1			18										1
403	CN-1	CLEVELAND AVE	17+07, 71' RT					40	2							20	1					2	2	1	
403	IC-4	CLEVELAND AVE	17+07, 71' RT	17+25, 75' RT		18										18		2							
403	TC-1	CLEVELAND AVE	17+09, 55' RT													20								
403	EC-2	CLEVELAND AVE	17+09, 55' RT	17+25, 75' RT	32											32								
403	EC-1	CLEVELAND AVE	17+23, 65' RT	17+27, 88' RT				116																
403	SE U-1	CLEVELAND AVE	17+25, 75' RT									1	1		288					1				
SHEET TOTAL					108	43	118	210	3	1	1	2	2	84	864	90	1	2	4	2	2	2	1	1

AEP INFORMATION

398 CLEVELAND AVENUE
ORDER # 108 699 165
ACCOUNT # 106 835 369 07

FIELD CONTACT
MARK A PLOGSTED
MAPLOGSTED@AEP.COM
D: 614.932.1905
C: 614.264.6923

AERIAL SAG: 1.5% AERIAL SAG IS INCLUDED IN THE QUANTITIES FOR ANY AERIAL FIBER OR CABLE ITEMS.

3676-E

CIP: 540007-100060
PID NUMBER: 110521

CLEVELAND AVE BETWEEN STA. 13+00 & 18+00
NODE #670005.0

CITY OF COLUMBUS TRAFFIC SIGNAL SYSTEM
(CTSS) PHASE F – FINAL SUBMITTAL

404
768

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ESTIMATED QUANTITIES

SHEET NO.	REFERENCE NO.	LOCATION	STATION FROM	STATION TO	633 CONTROLLER ITEM, MISC.: COMMUNICATIONS NODE	633 CONTROLLER ITEM, MISC.: FIBER OPTIC ETHERNET TRANSCEIVER, SHORT RANGE	633 CONTROLLER ITEM, MISC.: LAYER 2 ETHERNET SWITCH	633 CONTROLLER ITEM, MISC.: LAYER 3 ETHERNET SWITCH, ENVIRONMENTALLY HARDENED																
					EACH	EACH	EACH	EACH																
CLEVELAND AVE. BETWEEN STA. 13+00 AND 18+00, NODE #670005.0																								
403	SE U-2	CLEVELAND AVE	15+95, 100' RT																					
403	IC-1	CLEVELAND AVE	15+95, 100' RT	16+91, 60' RT																				
403	IC-2	CLEVELAND AVE	15+95, 100' RT	16+70, 98' RT																				
403	IC-3	CLEVELAND AVE	16+70, 98' RT	17+25, 75' RT																				
403	EC-4	CLEVELAND AVE	17+05, 64' RT	17+07, 71' RT																				
403	EC-3	CLEVELAND AVE	17+05, 64' RT	17+23, 65' RT																				
403	CN-1	CLEVELAND AVE	17+07, 71' RT		1	8	1	1																
403	IC-4	CLEVELAND AVE	17+07, 71' RT	17+25, 75' RT																				
403	TC-1	CLEVELAND AVE	17+09, 55' RT																					
403	EC-2	CLEVELAND AVE	17+09, 55' RT	17+25, 75' RT																				
403	EC-1	CLEVELAND AVE	17+23, 65' RT	17+27, 88' RT																				
403	SE U-1	CLEVELAND AVE	17+25, 75' RT																					
SHEET TOTAL					1	8	1	1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-

AEP INFORMATION

398 CLEVELAND AVENUE
ORDER # 108 699 165
ACCOUNT # 106 835 369 07

FIELD CONTACT
MARK A PLOGSTED
MAPLOGSTED@AEP.COM
D: 614.932.1905
C: 614.264.6923

AERIAL SAG: 1.5% AERIAL SAG IS INCLUDED IN THE QUANTITIES FOR ANY AERIAL FIBER OR CABLE ITEMS.

3676-E

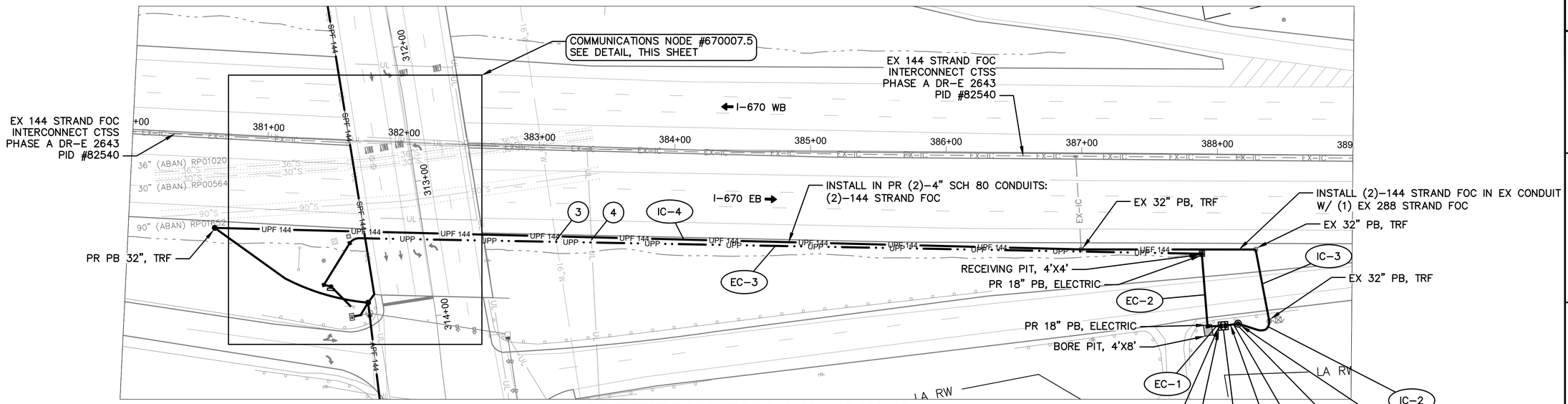
CIP: 540007-100060
PID NUMBER: 110521

CLEVELAND AVE BETWEEN STA. 13+00 & 18+00
NODE #670005.0

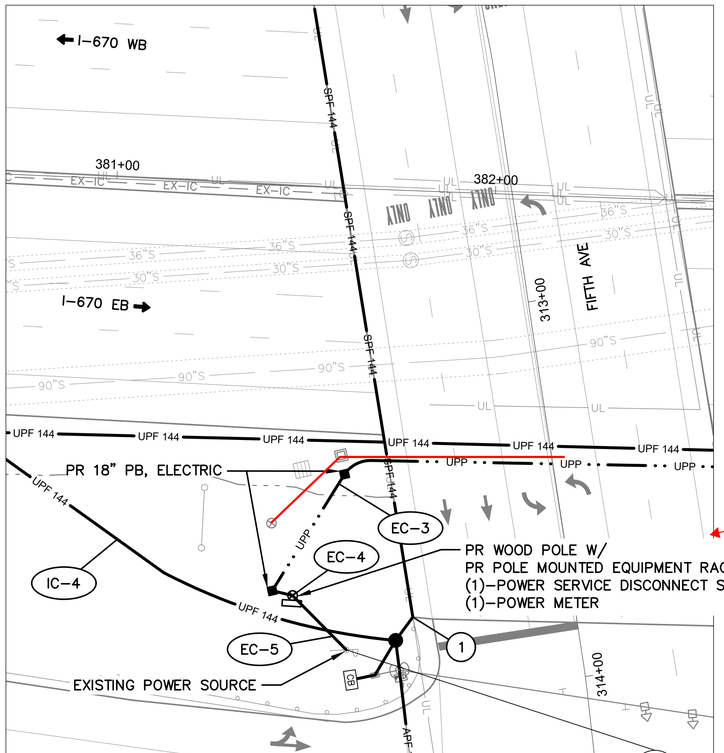
CITY OF COLUMBUS TRAFFIC SIGNAL SYSTEM
(CTSS) PHASE F – FINAL SUBMITTAL

405
768

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I-670 BETWEEN STATION 380+00 AND 389+00



DETAIL - COMMUNICATIONS NODE #670007.5

0 20 40
HORIZONTAL
SCALE IN FEET

Power rack on wood pole, put the disconnect and meter on the wood pole. That is an issue. Put the disconnect and meter beside the node. Put the meter with the disconnect by the node

NOTES:

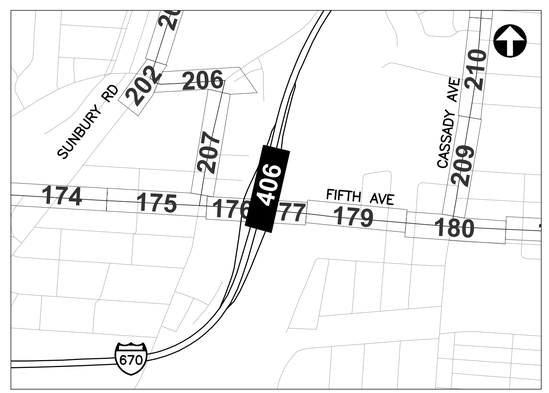
1. SEE SHEETS 407 & 408 FOR QUANTITIES.
2. SEE SHEETS 471, 712 & 713 FOR COMMUNICATION DETAILS.
3. SEE SHEET 260 FOR NODE POWER DETAILS.
4. LIMITED ACCESS RIGHT OF WAY IS LOCATED OUTSIDE OF THE EXTENT OF VIEWS SHOWN ABOVE.

(#) EXISTING UTILITY CROSSING.
SEE UTILITY CROSSING INFO
SHEET 246.

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www.oups.org

CITY OF COLUMBUS UTILITY LEGEND

- SEWER
- WATER
- POWER
- LIGHTING



REFER TO SHEET 238 FOR INTERCONNECT SHEET INDEX

KEY PLAN
NOT TO SCALE

HORIZONTAL SCALE IN FEET
0 40 80

CIP: 540007-100060
PID NUMBER: 110521

COMMUNICATIONS NODE PLAN
I-670 BETWEEN STA. 380+00 AND 389+00, NODE #670007.5

CITY OF COLUMBUS TRAFFIC SIGNAL SYSTEM
(CTSS) PHASE F - FINAL SUBMITTAL

406
768

3676-E

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ESTIMATED QUANTITIES

SHEET NO.	REFERENCE NO.	LOCATION	STATION		202	625	625	625	625	625	625	625	625	625	625	625	632	632	632	632	632	632	632	632
					EXISTING CONDUIT CLEANED, AS PER PLAN	CONDUIT, 3", AS PER PLAN	CONDUIT, 4", AS PER PLAN	CONDUIT, JACKED OR DRILLED, 3", AS PER PLAN	DISTRIBUTION CABLE, NO. 1	DISTRIBUTION CABLE, NO. 2	GROUND ROD	POWER SERVICE, TYPE C, WITH METER SETTING, AS PER PLAN	PULL BOX, 18", 725.08, AS PER PLAN	PULL BOX, CONCRETE 32", AS PER PLAN	PULL BOX, CONCRETE 48", AS PER PLAN	TRENCH, 36" DEEP, AS PER PLAN	CONDUIT RISER, 2", 725.051, AS PER PLAN	INTERCONNECT CABLE, MISC.: FIBER OPTIC CABLE, 144 STRAND	INTERCONNECT CABLE, MISC.: FIBER OPTIC CABLE, 24 STRAND	INTERCONNECT CABLE, MISC.: FIBER OPTIC FUSION SPLICE	INTERCONNECT, MISC.: DUAL PANEL ASSEMBLY, 24 FIBER, 1 RU, PRE-TERMINATED	INTERCONNECT, MISC.: PRE-TERMINATED FIBER OPTIC DROP CABLE, 144 STRAND, 150FT	INTERCONNECT, MISC.: PRE-TERMINATED FIBER OPTIC DROP CABLE, 24 STRAND, 150FT	INTERCONNECT, MISC.: SPLICE ENCLOSURE, DOME, 800 SPLICE
			FROM	TO	FT	FT	FT	FT	FT	FT	EACH	EACH	EACH	EACH	EACH	FT	EACH	FT	FT	EACH	EACH	EACH	EACH	EACH
I-670. BETWEEN STA. 380+00 AND 389+00, NODE #670007.5																								
406	EC-3	I-670	381+51, 108' RT	387+89, 74' RT		896			1,792	896			2			896								
406	EC-4	I-670	381+51, 108' RT						70	35	1	1					1							
406	EC-5	I-670	381+51, 108' RT	381+65, 122' RT					40	20														
406	IC-4	I-670	381+78, 119' RT	387+00, 71' RT			1,342							1		671		1,342						
406	IC-3	I-670	387+00, 71' RT	388+39, 123' RT	182													364						
406	EC-2	I-670	387+89, 74' RT	387+94, 127' RT				54	108	54			2											
406	EC-1	I-670	387+94, 127' RT	388+04, 127' RT		10			20	10														
406	CN-1	I-670	388+04, 127' RT						40	20	2											1		
406	IC-1	I-670	388+07, 127' RT	388+16, 125' RT			20									10							3	1	
406	IC-2	I-670	388+16, 125' RT	388+39, 123' RT			56									28		56						
406	SE U-1	I-670	388+16, 125' RT												1			150	300	600				2
SHEET TOTAL					182	906	1,418	54	2,070	1,035	3	1	4	1	1	1,605	1	1,912	300	600	1	3	1	2

AERIAL SAG: 1.5% AERIAL SAG IS INCLUDED IN THE QUANTITIES FOR ANY AERIAL FIBER OR CABLE ITEMS.

3676-E

CIP: 540007-100060
PID NUMBER: 110521

I-670 BETWEEN STA. 380+00 & 389+00
NODE #670007.5

CITY OF COLUMBUS TRAFFIC SIGNAL SYSTEM
(CTSS) PHASE F - FINAL SUBMITTAL

407
768

J:\Jobs\70202 - CTSS Phase F\TECHPROD\Sheets\CTSS_PhF_NODE_QUANTITIES.dwg - NODE #670007.5 Q1 layout ~ last saved by: gburch 05/31/2022 11:09am ~ printed 06/02/2022 02:09pm PSLTS: 1 LTS: 1 CAS: 1:1

ESTIMATED QUANTITIES

SHEET NO.	REFERENCE NO.	LOCATION	STATION		632 INTERCONNECT, MISC.: TERMINATION PANEL, 144 FIBER, 4 RU	632 INTERCONNECT, MISC.: TERMINATION PANEL, 24 FIBER, 1 RU	632 MESSENGER WIRE, 7 STRAND, 1/4" DIAMETER WITH ACCESSORIES, AS PER PLAN	632 WOOD POLE, CLASS 5, 35 FT	633 CONTROLLER ITEM, MISC.: COMMUNICATIONS NODE	633 CONTROLLER ITEM, MISC.: FIBER OPTIC ETHERNET TRANSCEIVER, SHORT RANGE	633 CONTROLLER ITEM, MISC.: LAYER 3 ETHERNET SWITCH, ENVIRONMENTALLY HARDENED												
			FROM	TO	EACH	EACH	FT	EACH	EACH	EACH	EACH													
I-670. BETWEEN STA. 380+00 AND 389+00, NODE #670007.5																								
406	EC-3	I-670	381+51, 108' RT	387+89, 74' RT																				
406	EC-4	I-670	381+51, 108' RT					1																
406	EC-5	I-670	381+51, 108' RT	381+65, 122' RT			11																	
406	IC-4	I-670	381+78, 119' RT	387+00, 71' RT																				
406	IC-3	I-670	387+00, 71' RT	388+39, 123' RT																				
406	EC-2	I-670	387+89, 74' RT	387+94, 127' RT																				
406	EC-1	I-670	387+94, 127' RT	388+04, 127' RT																				
406	CN-1	I-670	388+04, 127' RT		3	1			1	6	1													
406	IC-1	I-670	388+07, 127' RT	388+16, 125' RT																				
406	IC-2	I-670	388+16, 125' RT	388+39, 123' RT																				
406	SE U-1	I-670	388+16, 125' RT																					
SHEET TOTAL					3	1	11	1	1	6	1	-	-	-	-	-	-	-	-	-	-	-	-	-

AERIAL SAG: 1.5% AERIAL SAG IS INCLUDED IN THE QUANTITIES FOR ANY AERIAL FIBER OR CABLE ITEMS.

3676-E

CIP: 540007-100060
PID NUMBER: 110521

I-670 BETWEEN STA. 380+00 & 389+00
NODE #670007.5

CITY OF COLUMBUS TRAFFIC SIGNAL SYSTEM
(CTSS) PHASE F - FINAL SUBMITTAL

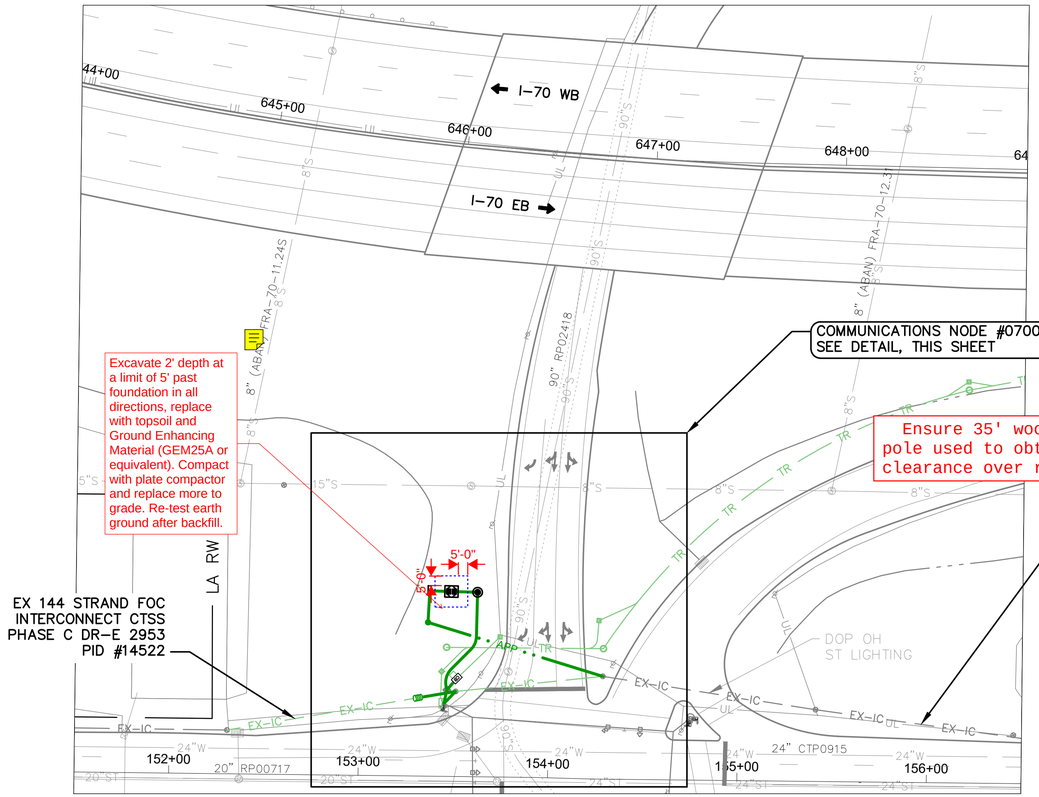
408
768

J:\Jobs\70202 - CTSS Phase F\TECHPROD\Sheets\CTSS_PhF_NODE_QUANTITIES.dwg - NODE #670007.5 02 layout ~ last saved by: gburch 05/31/2022 11:09am ~ printed 06/02/2022 02:10pm PSLTS: 1 LTS: 1 CAS: 1:1

AEP INFORMATION

1238 W MOUND STREET
ORDER # 105 642 892
ACCOUNT # 101 034 144 04

FIELD CONTACT
CORDELL WEST
COWEST@AEP.COM
M: 614.208.6485



Excavate 2' depth at a limit of 5' past foundation in all directions, replace with topsoil and Ground Enhancing Material (GEM25A or equivalent). Compact with plate compactor and replace more to grade. Re-test earth ground after backfill.

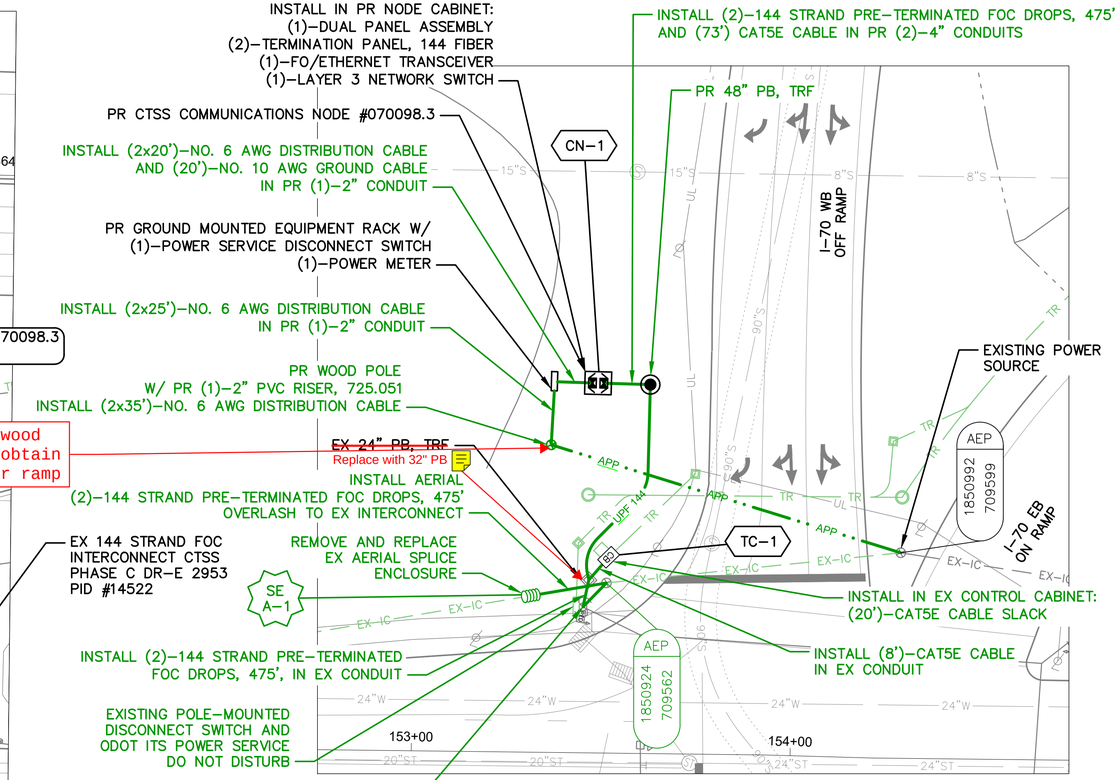
COMMUNICATIONS NODE #070098.3
SEE DETAIL, THIS SHEET

Ensure 35' wood pole used to obtain clearance over ramp

EX 144 STRAND FOC INTERCONNECT CTSS PHASE C DR-E 2953 PID #14522

EX 144 STRAND FOC INTERCONNECT CTSS PHASE C DR-E 2953 PID #14522

MOUND ST BETWEEN STATION 151+50 AND 156+50



DETAIL - COMMUNICATIONS NODE #070098.3



Ground enhancing material (GEM)

NOTES:

1. SEE SHEETS 410 & 411 FOR QUANTITIES.
2. SEE SHEETS 476, 737 & 738 FOR COMMUNICATION DETAILS.
3. SEE SHEET 261 FOR NODE POWER DETAILS.
4. LIMITED ACCESS RIGHT OF WAY IS LOCATED OUTSIDE OF THE EXTENT OF VIEWS SHOWN ABOVE.

(#) EXISTING UTILITY CROSSING. SEE UTILITY CROSSING INFO SHEET 246.

Ohio Utilities Protection Service
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CITY OF COLUMBUS UTILITY LEGEND

☒	SEWER
☒	WATER
☐	POWER
☒	LIGHTING



REFER TO SHEET 237 FOR INTERCONNECT SHEET INDEX

KEY PLAN
NOT TO SCALE

4 DRAFT REVISION 4.0

3676-E

CIP: 540007-100060
PID NUMBER: 110521

COMMUNICATIONS NODE PLAN
MOUND ST BETWEEN STA. 151+50 AND 156+50, NODE #070098.3

CITY OF COLUMBUS TRAFFIC SIGNAL SYSTEM
(CTSS) PHASE F - FINAL SUBMITTAL

409
768

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ESTIMATED QUANTITIES

SHEET NO.	REFERENCE NO.	LOCATION	STATION		202	625	625	625	625	625	625	625	625	625	632	632	632	632	632	632	632	632	632	632
					EXISTING CONDUIT CLEANED, AS PER PLAN	CONDUIT, 3", AS PER PLAN	CONDUIT, 4", AS PER PLAN	CONDUIT, JACKED OR DRILLED, 3", AS PER PLAN	DISTRIBUTION CABLE, NO. 6	GROUND ROD	POWER SERVICE, TYPE D, WITH METER SETTING, AS PER PLAN	PULL BOX, 18", 725.08, AS PER PLAN	PULL BOX, CONCRETE 48", AS PER PLAN	TRENCH, 36" DEEP, AS PER PLAN	CONDUIT RISER, 2", 725.051, AS PER PLAN	INTERCONNECT CABLE, MISC.: FIBER OPTIC CABLE, 144 STRAND	INTERCONNECT CABLE, MISC.: FIBER OPTIC CABLE, 24 STRAND	INTERCONNECT CABLE, MISC.: FIBER OPTIC FUSION SPLICE	INTERCONNECT CABLE, MISC.: REMOVE EXISTING OVERHEAD INTERCONNECT	INTERCONNECT, MISC.: CAT 6E CABLE, OUTDOOR RATED	INTERCONNECT, MISC.: DUAL PANEL ASSEMBLY, 24 FIBER, 1 RU, PRE-TERMINATED	INTERCONNECT, MISC.: PRE-TERMINATED FIBER OPTIC DROP CABLE, 144 STRAND, 150FT	INTERCONNECT, MISC.: SPLICE ENCLOSURE, DOME, 800 SPLICE	INTERCONNECT, MISC.: TERMINATION PANEL, 144 FIBER, 4 RU
			FROM	TO	FT	FT	FT	FT	FT	EACH	EACH	EACH	EACH	FT	EACH	FT	FT	EACH	FT	FT	EACH	EACH	EACH	EACH
MOUND ST. BETWEEN STA. 151+50 AND 156+50, NODE #070098.3																								
409	IC-5	MOUND ST	153+31, 37' LT	153+45, 39' LT																14				
409	EC-1	MOUND ST	153+36, 81' LT	153+47, 98' LT		27			54					27										
409	EC-2	MOUND ST	153+36, 81' LT	154+31, 81' LT				95	190			2												
409	IC-4	MOUND ST	153+45, 39' LT																	35				
409	IC-3	MOUND ST	153+45, 39' LT	153+47, 46' LT	8																			
409	IC-2	MOUND ST	153+47, 46' LT	153+62, 97' LT			114							57							57			
409	IC-6	MOUND ST	153+47, 46' LT	153+52, 51' LT	7																7			
409	CN-1	MOUND ST	153+50, 98' LT						40	2											20	1		
409	IC-1	MOUND ST	153+50, 98' LT	153+62, 97' LT			24							12									2	
409	TC-1	MOUND ST	153+52, 51' LT																		20			
409	SE U-1	MOUND ST	153+62, 97' LT										1			150	150	144						1
409	EC-5	MOUND ST	154+29, 54' LT	154+31, 76' LT					42															
409	EC-4	MOUND ST	154+31, 76' LT						70	1	1				2									
409	EC-3	MOUND ST	154+31, 76' LT	154+31, 81' LT		5			10					5										
SHEET TOTAL					15	32	138	95	406	3	1	2	1	101	2	150	150	144	49	104	1	2	1	2

AEP INFORMATION

1238 W MOUND STREET
ORDER # 105 642 892
ACCOUNT # 101 034 144 04

FIELD CONTACT
CORDELL WEST
COWEST@AEP.COM
M: 614.208.6485

AERIAL SAG: 1.5% AERIAL SAG IS INCLUDED IN THE QUANTITIES FOR ANY AERIAL FIBER OR CABLE ITEMS.

3676-E

CIP: 540007-100060
PID NUMBER: 110521

MOUND ST BETWEEN STA. 151+50 & 156+50
NODE #070098.3

CITY OF COLUMBUS TRAFFIC SIGNAL SYSTEM
(CTSS) PHASE F – FINAL SUBMITTAL

410
768

J:\Jobs\70202 – CTSS Phase F\TECHPROD\Sheets\CTSS_PhF_NODE_QUANTITIES.dwg – NODE #070098.3 Q1 layout ~ last saved by: gburch 05/31/2022 11:09am ~ printed 06/02/2022 02:10pm PSLTS: 1 LTS: 1 CAS: 1:1

ESTIMATED QUANTITIES

SHEET NO.	REFERENCE NO.	LOCATION	STATION		632	632	633	633																
					MESSENGER WIRE, 7 STRAND, 1/4" DIAMETER WITH ACCESSORIES, AS PER PLAN	WOOD POLE, CLASS 5, 35 FT	CONTROLLER ITEM, MISC.: COMMUNICATIONS NODE	CONTROLLER ITEM, MISC.: LAYER 3 ETHERNET SWITCH, ENVIRONMENTALLY HARDENED																
			FROM	TO	FT	EACH	EACH	EACH																
MOUND ST. BETWEEN STA. 151+50 AND 156+50, NODE #070098.3																								
409	IC-5	MOUND ST	153+31, 37' LT	153+45, 39' LT																				
409	EC-1	MOUND ST	153+36, 81' LT	153+47, 98' LT																				
409	EC-2	MOUND ST	153+36, 81' LT	154+31, 81' LT																				
409	IC-4	MOUND ST	153+45, 39' LT																					
409	IC-3	MOUND ST	153+45, 39' LT	153+47, 46' LT																				
409	IC-2	MOUND ST	153+47, 46' LT	153+62, 97' LT																				
409	IC-6	MOUND ST	153+47, 46' LT	153+52, 51' LT																				
409	CN-1	MOUND ST	153+50, 98' LT				1	1																
409	IC-1	MOUND ST	153+50, 98' LT	153+62, 97' LT																				
409	TC-1	MOUND ST	153+52, 51' LT																					
409	SE U-1	MOUND ST	153+62, 97' LT																					
409	EC-5	MOUND ST	154+29, 54' LT	154+31, 76' LT	21																			
409	EC-4	MOUND ST	154+31, 76' LT			1																		
409	EC-3	MOUND ST	154+31, 76' LT	154+31, 81' LT																				
SHEET TOTAL					21	1	1	1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-

AEP INFORMATION

1238 W MOUND STREET
ORDER # 105 642 892
ACCOUNT # 101 034 144 04

FIELD CONTACT
CORDELL WEST
COWEST@AEP.COM
M: 614.208.6485

AERIAL SAG: 1.5% AERIAL SAG IS INCLUDED IN THE QUANTITIES FOR ANY AERIAL FIBER OR CABLE ITEMS.

3676-E

CIP: 540007-100060
PID NUMBER: 110521

MOUND ST BETWEEN STA. 151+50 & 156+50
NODE #070098.3

CITY OF COLUMBUS TRAFFIC SIGNAL SYSTEM
(CTSS) PHASE F – FINAL SUBMITTAL

411
768

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New transmission pole

1892292
687400

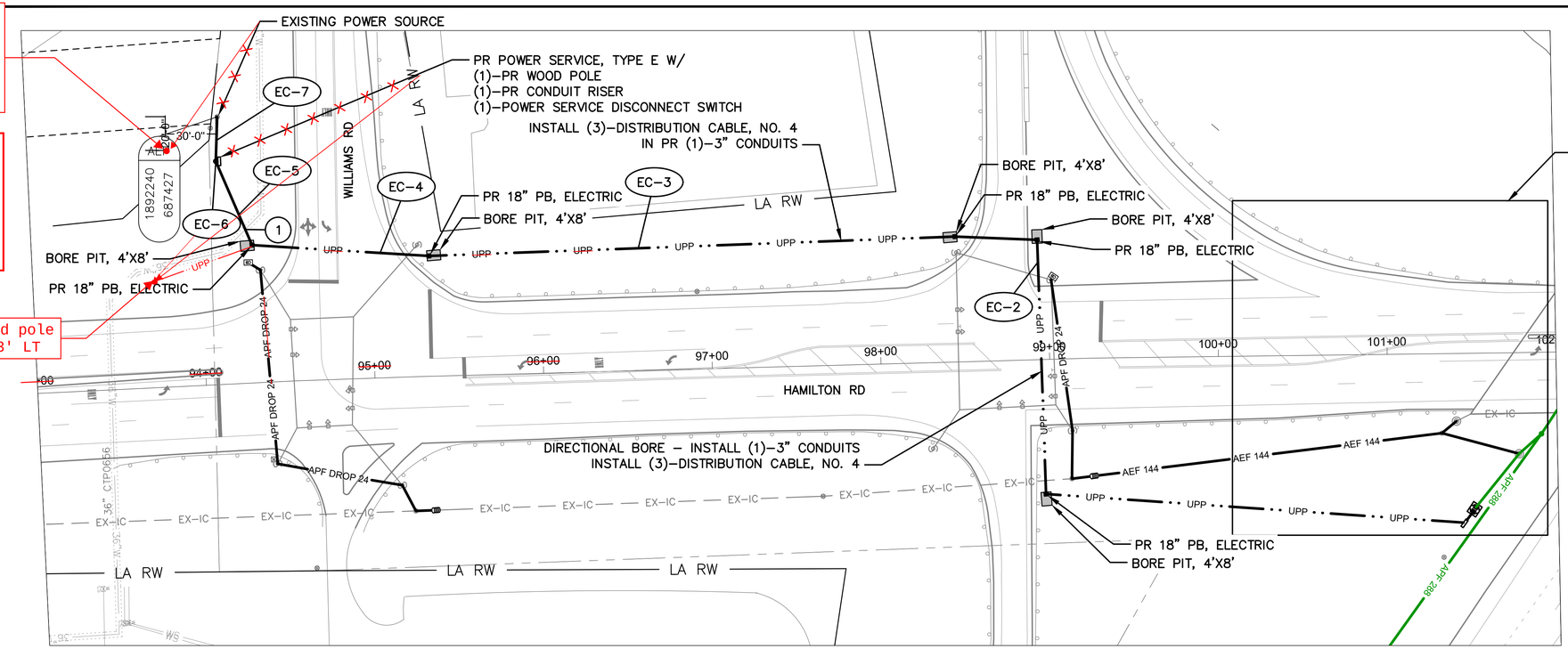
AEP INFORMATION

4316 S HAMILTON ROAD
ORDER # 104 750 584
ACCOUNT # 100 611 994 01

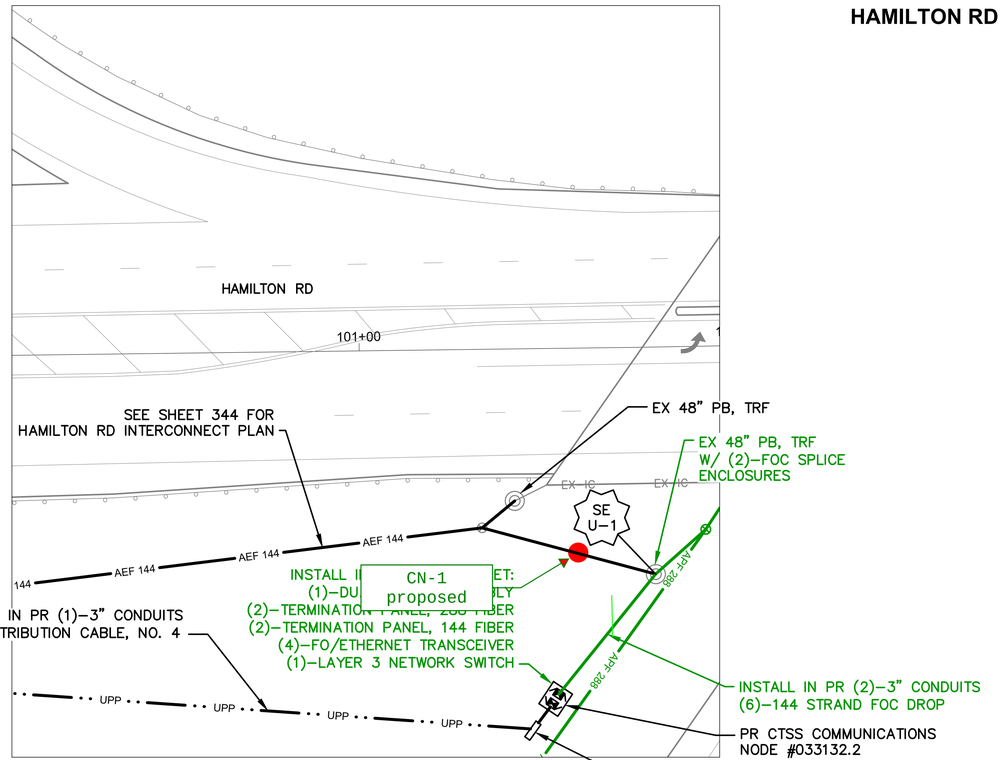
FIELD CONTACT
TYLER

D:
C: 740.641.9798

NEW PR wood pole
93+70, 63' LT



HAMILTON RD BETWEEN STATION 93+00 AND 102+00



DETAIL - COMMUNICATIONS NODE #033132.2

NOTES:

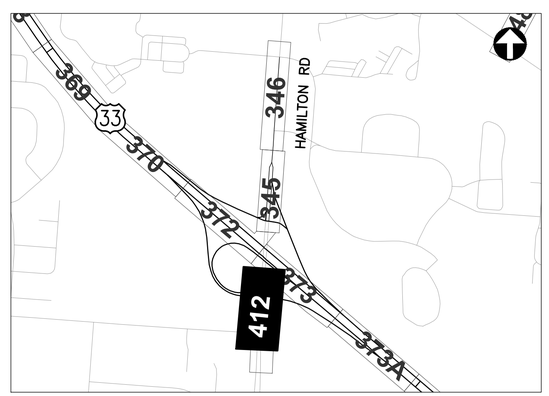
1. SEE SHEETS 413 & 414 FOR QUANTITIES.
2. SEE SHEETS 479, 726, 727 & 727A FOR COMMUNICATION DETAILS.
3. SEE SHEET 262 FOR NODE POWER DETAILS.
4. LIMITED ACCESS RIGHT OF WAY IS LOCATED OUTSIDE OF THE EXTENT OF VIEWS SHOWN ABOVE.
5. HAMILTON ROAD INTERCONNECT PLAN IS SHOWN ON SHEET 344

(#) EXISTING UTILITY CROSSING.
SEE UTILITY CROSSING INFO
SHEET 246.

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www.oups.org

CITY OF COLUMBUS UTILITY LEGEND

- ☐ SEWER
- ☒ WATER
- ☒ POWER
- ☐ LIGHTING



REFER TO SHEET 240 FOR INTERCONNECT SHEET INDEX

KEY PLAN
NOT TO SCALE

12 DRAFT REVISION 12.0

3676-E

HORIZONTAL SCALE IN FEET
0 40 80

CIP: 540007–100060
PID NUMBER: 110521

COMMUNICATIONS NODE PLAN
HAMILTON RD BETWEEN STA. 93+00 AND 102+00, NODE #033132.2

CITY OF COLUMBUS TRAFFIC SIGNAL SYSTEM
(CTSS) PHASE F – FINAL SUBMITTAL

412
768

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ESTIMATED QUANTITIES

SHEET NO.	REFERENCE NO.	LOCATION	STATION FROM	STATION TO	625 CONDUIT, 3", AS PER PLAN FT	625 CONDUIT, 4", AS PER PLAN FT	625 CONDUIT, JACKED OR DRILLED, 3", AS PER PLAN FT	625 DISTRIBUTION CABLE, NO. 4 FT	625 GROUND ROD EACH	625 POWER SERVICE, TYPE E, WITH METER SETTING, AS PER PLAN EACH	625 PULL BOX, 18", 725.08, AS PER PLAN EACH	625 PULL BOX, CONCRETE 48", AS PER PLAN EACH	625 TRENCH, 36" DEEP, AS PER PLAN FT	632 CONDUIT RISER, 2", 725.051, AS PER PLAN EACH	632 INTERCONNECT CABLE, MISC.: FIBER OPTIC CABLE, 144 STRAND FT	632 INTERCONNECT CABLE, MISC.: FIBER OPTIC CABLE, 288 STRAND FT	632 INTERCONNECT CABLE, MISC.: FIBER OPTIC FUSION SPLICE EACH	632 INTERCONNECT, MISC.: DUAL PANEL ASSEMBLY, 24 FIBER, 1 RU, PRE-TERMINATED EACH	632 INTERCONNECT, MISC.: PRE-TERMINATED FIBER OPTIC DROP CABLE, 144 STRAND, 150FT EACH	632 INTERCONNECT, MISC.: SPLICE ENCLOSURE, DOME, 800 SPLICE EACH	632 INTERCONNECT, MISC.: TERMINATION PANEL, 288 FIBER, 4 RU EACH	632 MESSENGER WIRE, 7 STRAND, 1/4" DIAMETER WITH ACCESSORIES, AS PER PLAN FT	632 WOOD POLE, CLASS 5, 35 FT EACH	633 CONTROLLER ITEM, MISC.: COMMUNICATIONS NODE EACH
US-33 BETWEEN STA. 277+00 AND 282+00, NODE #033132.2																								
412	EC-6	HAMILTON RD	94+12, 132' LT					70	1	1				2									1	
412	EC-7	HAMILTON RD	94+12, 132' LT	94+14, 159' LT				52														26		
412	EC-5	HAMILTON RD	94+12, 132' LT	94+31, 82' LT	54			108					54											
412	EC-4	HAMILTON RD	94+31, 82' LT	95+34, 71' LT			140	210			2													
412	EC-3	HAMILTON RD	95+34, 71' LT	98+46, 74' LT	312			624					312											
412	EC-2	HAMILTON RD	98+46, 74' LT	98+96, 80' RT			200	400			3													
412	EC-1	HAMILTON RD	98+96, 80' RT	100+85, 92' RT	188			376					188											
412	CN-1	HAMILTON RD	100+88, 92' RT						2										1					1
412	IC-1	HAMILTON RD	100+88, 92' RT	101+41, 92' RT		106							53							4		2		
412	SE U-1	HAMILTON RD	101+41, 92' RT									1			75	75	576				2			
SHEET TOTAL					554	106	340	1,840	3	1	5	1	607	2	75	75	576	1	4	2	2	26	1	1

AEP INFORMATION

4316 S HAMILTON ROAD
ORDER # 104 750 584
ACCOUNT # 100 611 994 01

FIELD CONTACT
TYLER

D:
C: 740.641.9798

AERIAL SAG: 1.5% AERIAL SAG IS INCLUDED IN THE QUANTITIES FOR ANY AERIAL FIBER OR CABLE ITEMS.

3676-E

CIP: 540007-100060
PID NUMBER: 110521

HAMILTON RD BETWEEN STA. 93+00 & 102+00
NODE #033132.2

CITY OF COLUMBUS TRAFFIC SIGNAL SYSTEM
(CTSS) PHASE F – FINAL SUBMITTAL

413
768

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ESTIMATED QUANTITIES

SHEET NO.	REFERENCE NO.	LOCATION	STATION FROM	STATION TO	633 CONTROLLER ITEM, MISC.: FIBER OPTIC ETHERNET TRANSCEIVER, SHORT RANGE	633 CONTROLLER ITEM, MISC.: LAYER 3 ETHERNET SWITCH, ENVIRONMENTALLY HARDENED																	
					EACH	EACH																	
US-33 BETWEEN STA. 277+00 AND 282+00, NODE #033132.2																							
412	EC-6	HAMILTON RD	94+12, 132' LT																				
412	EC-7	HAMILTON RD	94+12, 132' LT	94+14, 159' LT																			
412	EC-5	HAMILTON RD	94+12, 132' LT	94+31, 82' LT																			
412	EC-4	HAMILTON RD	94+31, 82' LT	95+34, 71' LT																			
412	EC-3	HAMILTON RD	95+34, 71' LT	98+46, 74' LT																			
412	EC-2	HAMILTON RD	98+46, 74' LT	98+96, 80' RT																			
412	EC-1	HAMILTON RD	98+96, 80' RT	100+85, 92' RT																			
412	CN-1	HAMILTON RD	100+88, 92' RT		4	1																	
412	IC-1	HAMILTON RD	100+88, 92' RT	101+41, 92' RT																			
412	SE U-1	HAMILTON RD	101+41, 92' RT																				
SHEET TOTAL					4	1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-

AEP INFORMATION

4316 S HAMILTON ROAD
ORDER # 104 750 584
ACCOUNT # 100 611 994 01

FIELD CONTACT
TYLER

D:
C: 740.641.9798

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3676-E

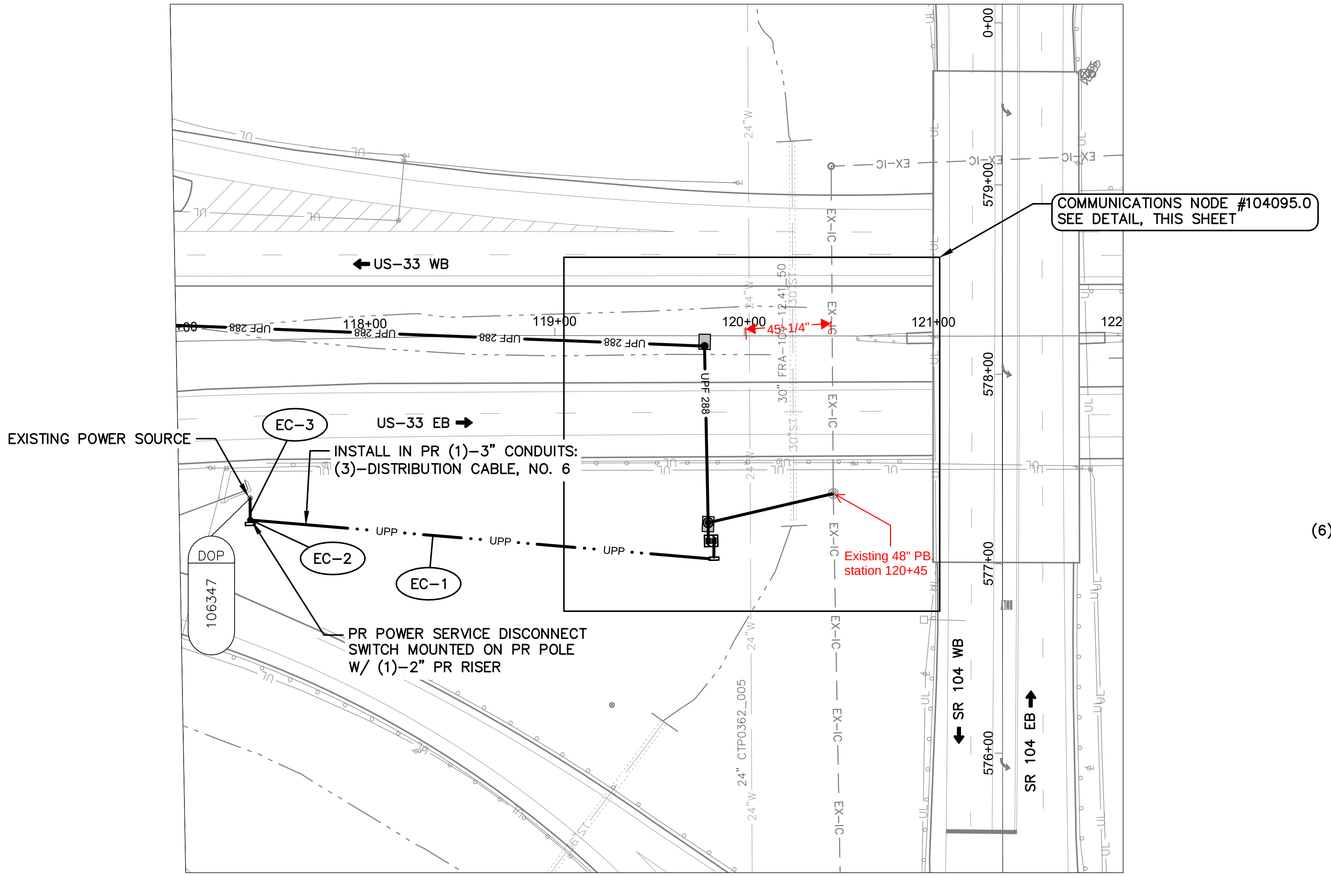
CIP: 540007-100060
PID NUMBER: 110521

HAMILTON RD BETWEEN STA. 93+00 & 102+00
NODE #033132.2

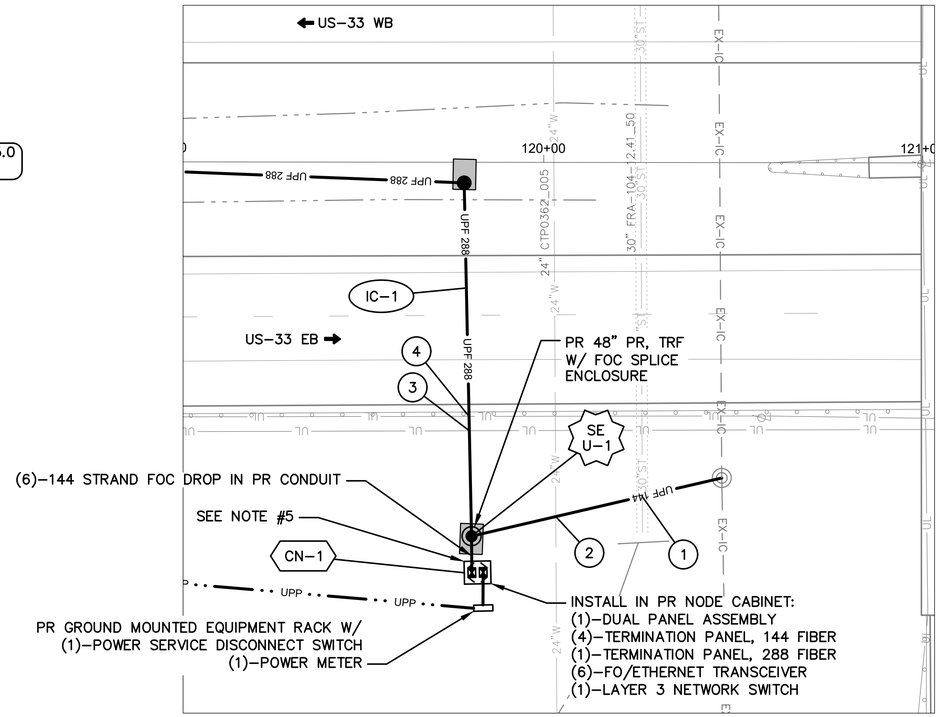
CITY OF COLUMBUS TRAFFIC SIGNAL SYSTEM
(CTSS) PHASE F – FINAL SUBMITTAL

414
768

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US-33 BETWEEN STATION 117+00 AND 122+00



DETAIL - COMMUNICATIONS NODE #104095.0

0 20 40

HORIZONTAL
SCALE IN FEET

NOTES:

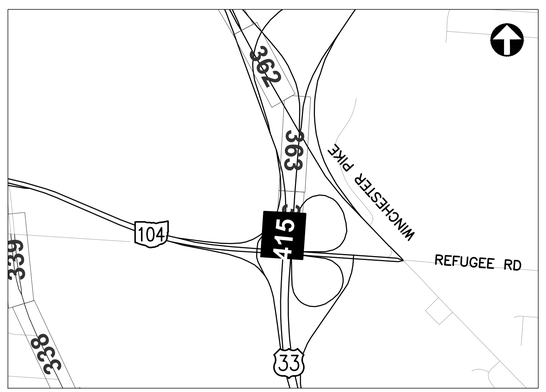
1. SEE SHEETS 416 & 417 FOR QUANTITIES.
2. SEE SHEETS 477, 720, 721 & 722 FOR COMMUNICATION DETAILS.
3. SEE SHEET 263 FOR NODE POWER DETAILS.
4. SEE SHEET 364 FOR INTERCONNECT DETAILS.
5. LIMITED ACCESS RIGHT OF WAY IS LOCATED OUTSIDE OF THE EXTENT OF VIEWS SHOWN ABOVE.
6. COORDINATE WITH OHIO DEPARTMENT OF TRANSPORTATION PROJECT PID #113744.

(#) EXISTING UTILITY CROSSING. SEE UTILITY CROSSING INFO SHEET 246.

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CITY OF COLUMBUS UTILITY LEGEND

- ☒ SEWER
- ☒ WATER
- ☐ POWER
- ☒ LIGHTING



REFER TO SHEET 240 FOR INTERCONNECT SHEET INDEX

KEY PLAN
NOT TO SCALE

3676-E

0 40 80

HORIZONTAL
SCALE IN FEET

CIP: 540007-100060
PID NUMBER: 110521

COMMUNICATIONS NODE PLAN
US-33 BETWEEN STA. 117+00 AND 122+00, NODE #104095.0

CITY OF COLUMBUS TRAFFIC SIGNAL SYSTEM
(CTSS) PHASE F - FINAL SUBMITTAL

415
768

J:\Jobs\70202 - CTSS Phase F\TECHPROD\Sheets\CTSS_PhF_Trunk4_US-33_REFUGEE.dwg - NODE_104095.0 layout ~ last saved by: gburch 05/31/2022 11:09am ~ printed 06/02/2022 01:07pm PSLTS: 1 LTS: 1 CAS: 1:1

ESTIMATED QUANTITIES

SHEET NO.	REFERENCE NO.	LOCATION	STATION		625 CONDUIT, 3", AS PER PLAN	625 CONDUIT, 4", AS PER PLAN	625 DISTRIBUTION CABLE, NO. 6	625 GROUND ROD	625 POWER SERVICE, TYPE F, WITH METER SETTING, AS PER PLAN	625 PULL BOX, CONCRETE 48", AS PER PLAN	625 TRENCH, 36" DEEP, AS PER PLAN	632 CONDUIT RISER, 2", 725.051, AS PER PLAN	632 INTERCONNECT CABLE, MISC.: FIBER OPTIC CABLE, 144 STRAND	632 INTERCONNECT CABLE, MISC.: FIBER OPTIC CABLE, 24 STRAND	632 INTERCONNECT CABLE, MISC.: FIBER OPTIC CABLE, 288 STRAND	632 INTERCONNECT CABLE, MISC.: FIBER OPTIC FUSION SPLICE	632 INTERCONNECT, MISC.: DUAL PANEL ASSEMBLY, 24 FIBER, 1 RU, PRE-TERMINATED	632 INTERCONNECT, MISC.: PRE-TERMINATED FIBER OPTIC DROP CABLE, 144 STRAND, 150FT	632 INTERCONNECT, MISC.: SPLICE ENCLOSURE, DOME, 800 SPLICE	632 INTERCONNECT, MISC.: TERMINATION PANEL, 144 FIBER, 4 RU	632 INTERCONNECT, MISC.: TERMINATION PANEL, 288 FIBER, 4 RU	632 MESSENGER WIRE, 7 STRAND, 1/4" DIAMETER WITH ACCESSORIES, AS PER PLAN	632 WOOD POLE, CLASS 5, 35 FT	633 CONTROLLER ITEM, MISC.: COMMUNICATIONS NODE
			FROM	TO	FT	FT	FT	EACH	EACH	EACH	FT	EACH	FT	FT	FT	EACH	EACH	EACH	EACH	EACH	EACH	FT	EACH	EACH
US-33 BETWEEN STA. 117+00 AND 122+00, NODE #104095.0																								
415	EC-3	US-33	117+37, 84' RT	117+37, 95' RT			24																12		
415	EC-2	US-33	117+37, 95' RT				70	1	1			1												1	
415	EC-1	US-33	117+37, 95' RT	119+84, 108' RT	255		510				255														
415	SE U-1	US-33	119+81, 99' RT							1			150	300	75	720				2					
415	IC-1	US-33	119+81, 99' RT	119+81, 108' RT		20					10							6							
415	CN-1	US-33	119+81, 108' RT					2									1				4	1			1
SHEET TOTAL					255	20	604	3	1	1	265	1	150	300	75	720	1	6	2	4	1	12	1	1

AERIAL SAG: 1.5% AERIAL SAG IS INCLUDED IN THE QUANTITIES FOR ANY AERIAL FIBER OR CABLE ITEMS.

3676-E

CIP: 540007–100060
PID NUMBER: 110521

US–33 BETWEEN STA. 117+00 & 122+00
NODE #104095.0

CITY OF COLUMBUS TRAFFIC SIGNAL SYSTEM
(CTSS) PHASE F – FINAL SUBMITTAL

416
768

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ESTIMATED QUANTITIES

SHEET NO.	REFERENCE NO.	LOCATION	STATION FROM	STATION TO	633 CONTROLLER ITEM, MISC.: FIBER OPTIC ETHERNET TRANSCEIVER, SHORT RANGE	633 CONTROLLER ITEM, MISC.: LAYER 3 ETHERNET SWITCH, ENVIRONMENTALLY HARDENED																	
					EACH	EACH																	
US-33 BETWEEN STA. 117+00 AND 122+00, NODE #104095.0																							
415	EC-3	US-33	113+37, 84' RT	113+37, 95' RT																			
415	EC-2	US-33	113+37, 95' RT																				
415	EC-1	US-33	113+37, 95' RT	119+83, 85' RT																			
415	SE U-1	US-33	119+80, 75' RT																				
415	IC-1	US-33	119+80, 75' RT	119+80, 85' RT																			
415	CN-1	US-33	119+80, 85' RT		6	1																	
SHEET TOTAL					6	1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-

AERIAL SAG: 1.5% AERIAL SAG IS INCLUDED IN THE QUANTITIES FOR ANY AERIAL FIBER OR CABLE ITEMS.

3676-E

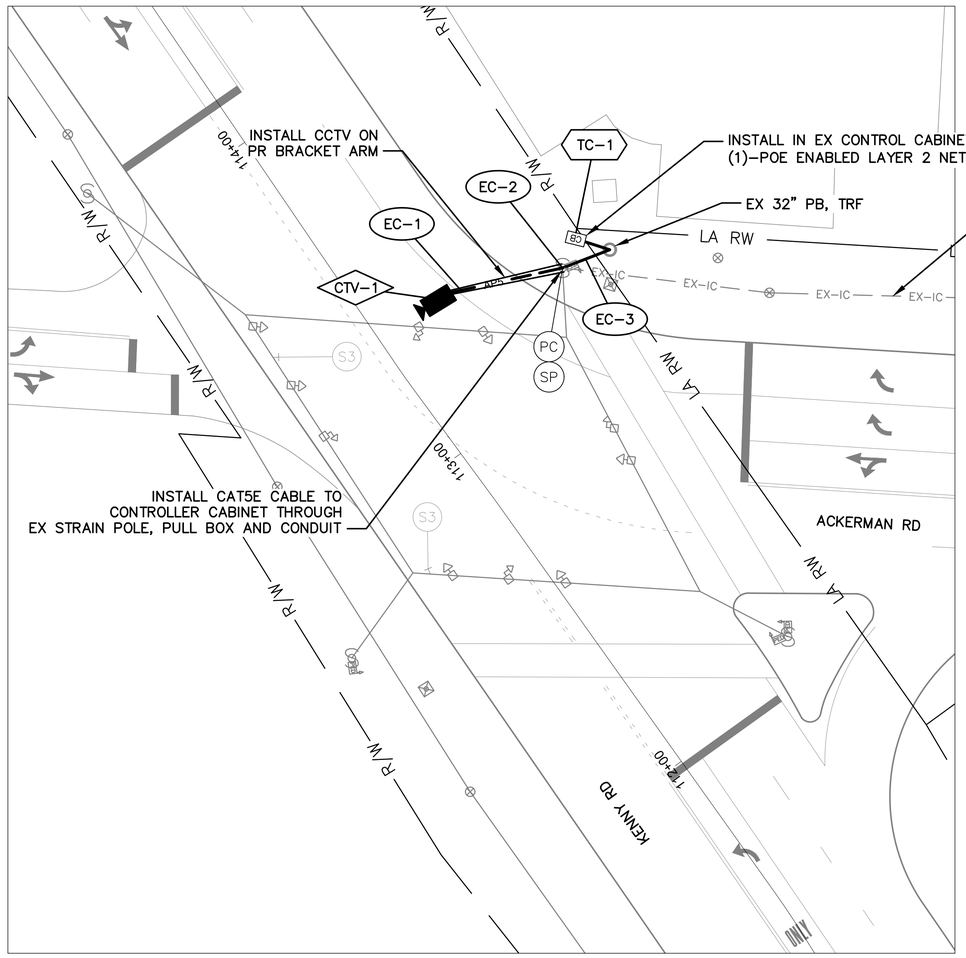
CIP: 540007-100060
PID NUMBER: 110521

US-33 BETWEEN STA. 117+00 & 122+00
NODE #104095.0

CITY OF COLUMBUS TRAFFIC SIGNAL SYSTEM
(CTSS) PHASE F - FINAL SUBMITTAL

417
768

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DETAIL - INT 4000 - ACKERMAN RD AT KENNY RD

NOTES:

1. SEE SHEET 425 FOR QUANTITIES.
2. SEE SHEET 668 FOR COMMUNICATION DETAILS.
3. SEE SHEET 49 FOR CCTV MOUNTING DETAILS.

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CITY OF COLUMBUS UTILITY LEGEND

- ☐ SEWER
- ☐ WATER
- ☐ POWER
- ☐ LIGHTING



REFER TO SHEET 234 FOR INTERCONNECT SHEET INDEX

KEY PLAN
NOT TO SCALE

3676-E

HORIZONTAL SCALE IN FEET
0 20 40

CIP: 540007-100060
PID NUMBER: 110521

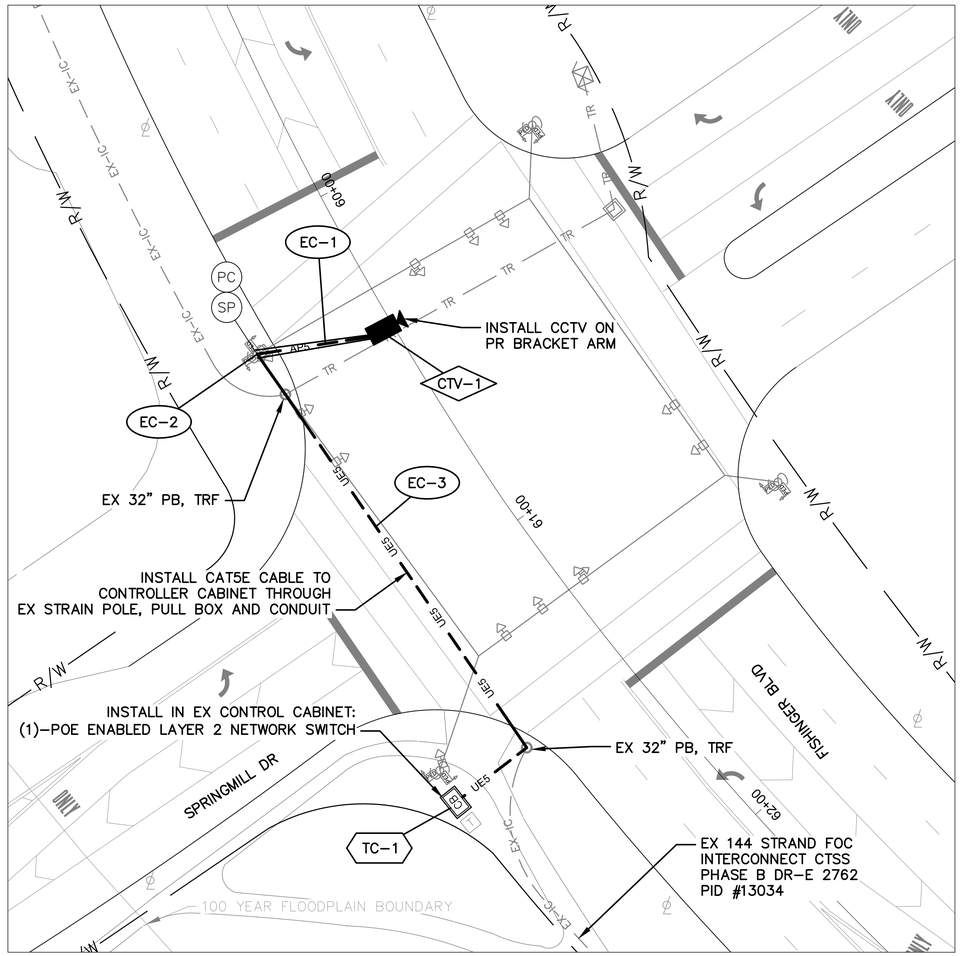
CCTV PLAN
ACKERMAN RD AT KENNY RD

CITY OF COLUMBUS TRAFFIC SIGNAL SYSTEM
(CTSS) PHASE F - FINAL SUBMITTAL

INT 4000 - ACKERMAN RD AT KENNY RD

418
768

J:\Jobs\70202 - CTSS Phase F\TECHPROD\Sheets\CTSS_PhF_Trunk2_CCTV.dwg - CCTV-1 layout ~ last saved by: gburch 05/31/2022 11:09am ~ printed 06/02/2022 01:11pm PSLTS: 1 LTS: 1 CAS: 1:1



DETAIL - INT 4214 - FISHINGER BL AT SPRING MILL DR

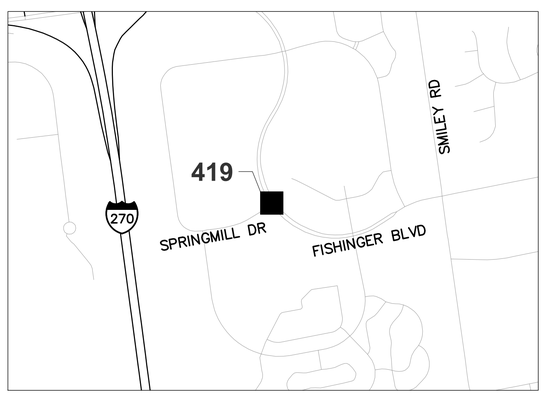
NOTES:

1. SEE SHEET 425 FOR QUANTITIES.
2. SEE SHEET 669 FOR COMMUNICATION DETAILS.
3. SEE SHEET 49 FOR CCTV MOUNTING DETAILS.

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CITY OF COLUMBUS UTILITY LEGEND

- ☐ SEWER
- ☐ WATER
- ☐ POWER
- ☐ LIGHTING



REFER TO SHEET 234 FOR INTERCONNECT SHEET INDEX

KEY PLAN
NOT TO SCALE

3676-E

HORIZONTAL SCALE IN FEET
0 20 40

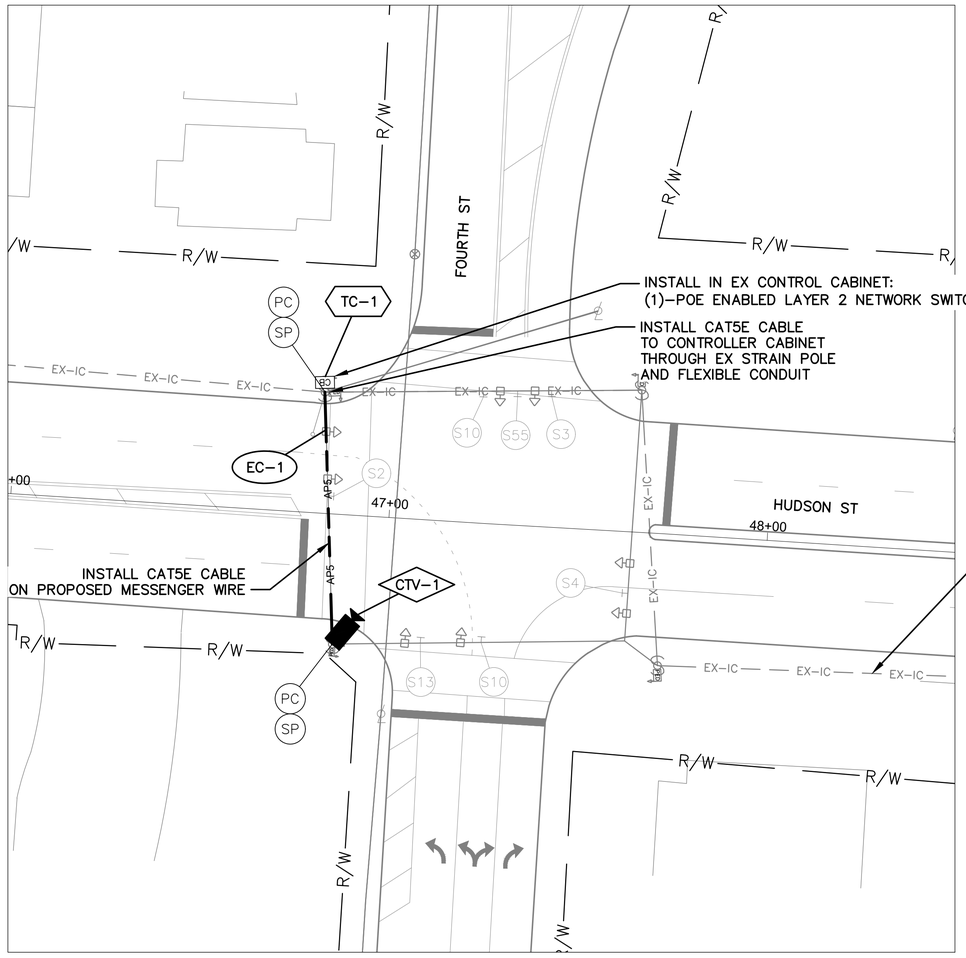
CIP: 540007-100060
PID NUMBER: 110521

CCTV PLAN
INT 4214 - FISHINGER BLVD AT SPRING MILL DR

CITY OF COLUMBUS TRAFFIC SIGNAL SYSTEM
(CTSS) PHASE F - FINAL SUBMITTAL

419
768

J:\Jobs\70202 - CTSS Phase F\TECHPROD\Sheets\CTSS_PhF_Trunk2_CCTV.dwg - CCTV-1A layout ~ last saved by: gburch 05/31/2022 11:09am ~ printed 06/02/2022 01:12pm PSLTS: 1 LTS: 1 CAS: 1:1



DETAIL - INT 3040 - FOURTH ST AT HUDSON ST

NOTES:

1. SEE SHEET 425 FOR QUANTITIES.
2. SEE SHEET 679 FOR COMMUNICATION DETAILS.
3. SEE SHEET 50 FOR CCTV MOUNTING DETAILS.

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CITY OF COLUMBUS UTILITY LEGEND

- ☐ SEWER
- ☐ WATER
- ☐ POWER
- ☐ LIGHTING



REFER TO SHEET 235 FOR INTERCONNECT SHEET INDEX

KEY PLAN
NOT TO SCALE

3676-E

HORIZONTAL SCALE IN FEET
0 20 40

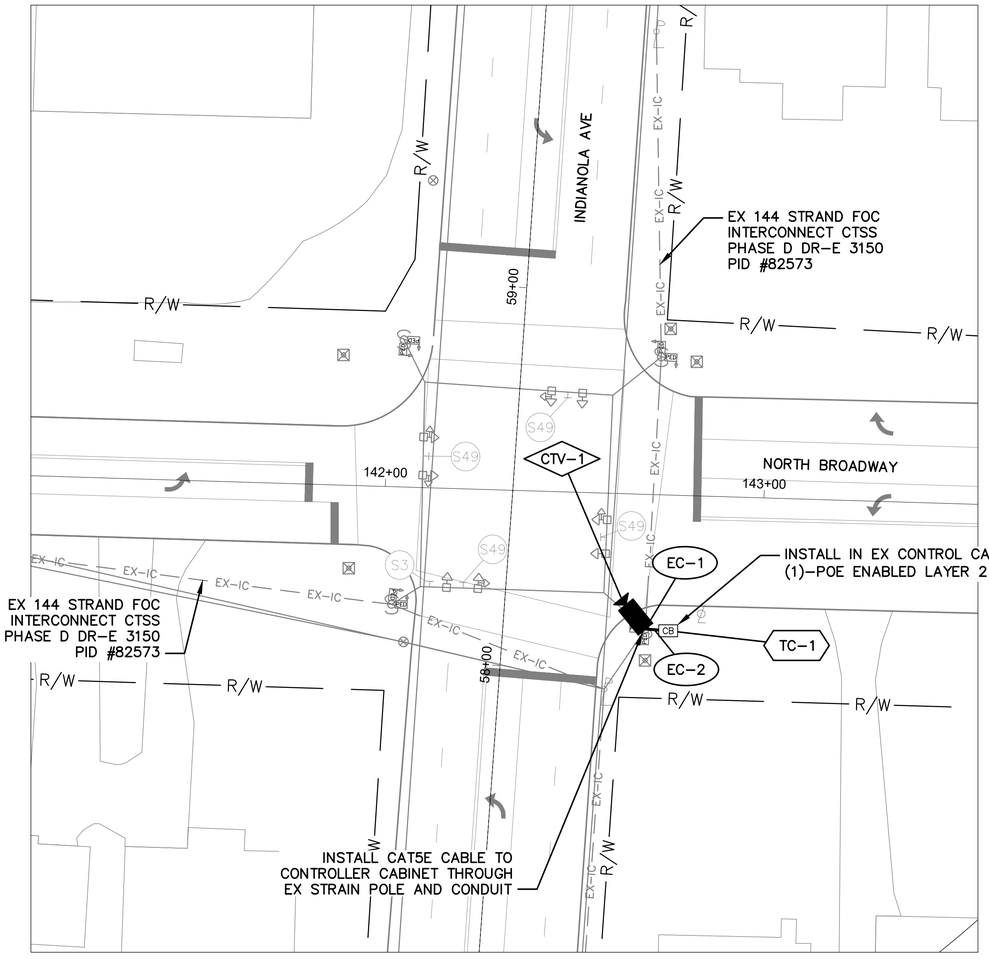
CIP: 540007–100060
PID NUMBER: 110521

CCTV PLAN
INT 3040 – FOURTH ST AT HUDSON ST

CITY OF COLUMBUS TRAFFIC SIGNAL SYSTEM
(CTSS) PHASE F – FINAL SUBMITTAL

420
768

J:\Jobs\70202 – CTSS Phase F\TECHPROD\Sheets\CTSS_PhF_Trunk2_CCTV.dwg – CCTV–2 layout ~ last saved by gburch 05/31/2022 11:09am ~ printed 06/02/2022 01:13pm PSLTS: 1 LTS: 1 CAS: 1:1



DETAIL - INT 3047 - INDIANOLA AVE AT NORTH BROADWAY

NOTES:

1. SEE SHEET 425 FOR QUANTITIES.
2. SEE SHEET 670 FOR COMMUNICATION DETAILS.
3. SEE SHEET 50 FOR CCTV MOUNTING DETAILS.

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CITY OF COLUMBUS UTILITY LEGEND

- ☐ SEWER
- ☐ WATER
- ☐ POWER
- ☐ LIGHTING



REFER TO SHEET 235 FOR INTERCONNECT SHEET INDEX

KEY PLAN
NOT TO SCALE

3676-E

HORIZONTAL SCALE IN FEET
0 20 40

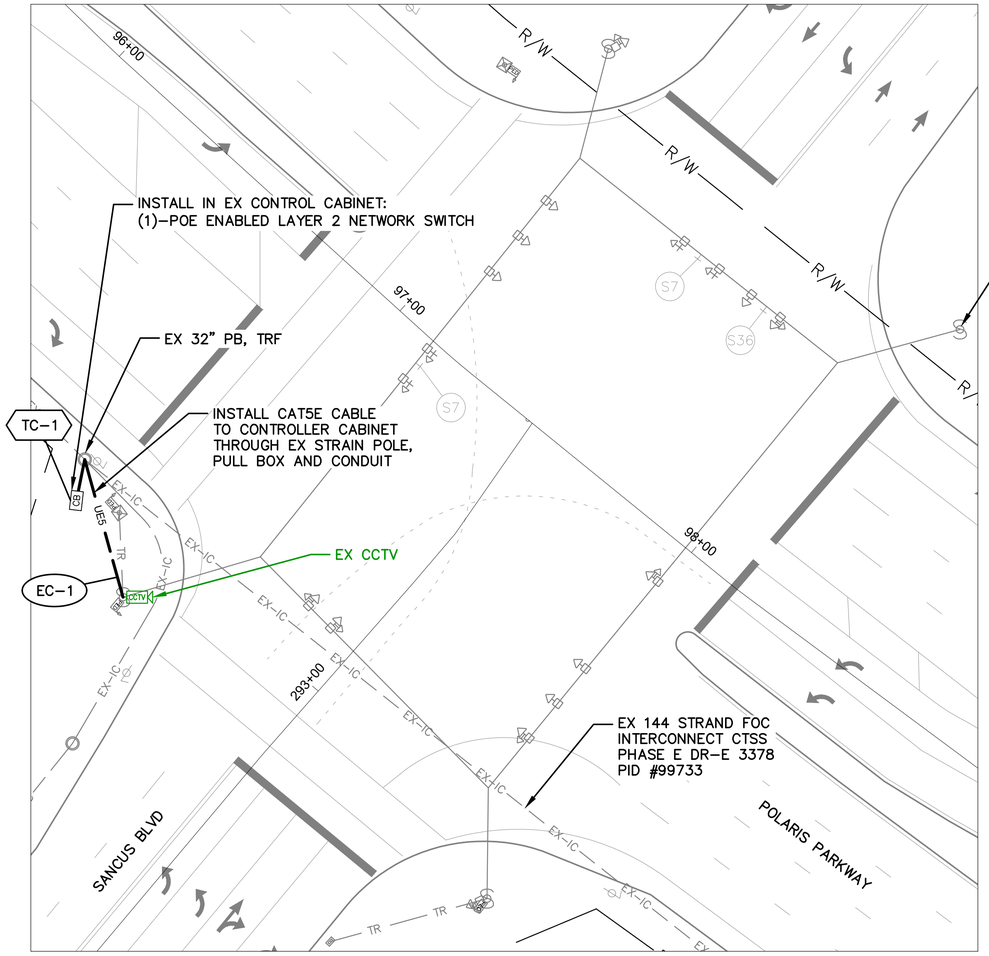
CIP: 540007-100060
PID NUMBER: 110521

CCTV PLAN
INT 3047 – INDIANOLA AVE AT NORTH BROADWAY

CITY OF COLUMBUS TRAFFIC SIGNAL SYSTEM
(CTSS) PHASE F – FINAL SUBMITTAL

421
768

J:\Jobs\70202 – CTSS Phase F\TECHPROD\Sheets\CTSS_PhF_Trunk2_CCTV.dwg – CCTV-2A layout ~ last saved by: gburch 05/31/2022 11:09am ~ printed 06/02/2022 01:14pm PSLTS: 1 LTS: 1 CAS: 1:1



DETAIL - INT 3232 - POLARIS PKWY AT SANCUS BLVD

NOTES:

1. SEE SHEET 425 FOR QUANTITIES.
2. SEE SHEET 685 FOR COMMUNICATION DETAILS.
3. SEE SHEET 50 FOR CCTV MOUNTING DETAILS.
4. SIGNAL AGREEMENT CT–00901R IN PLACE BETWEEN CITY OF COLUMBUS AND POLARIS FASHION PLACE, LLC FOR MAINTENANCE OF TRAFFIC SIGNAL 3232.

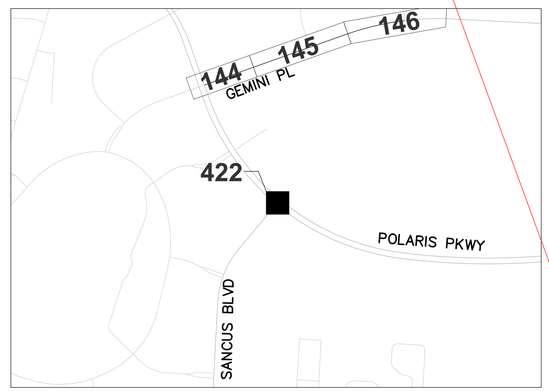
Sheet 685A can be found on page 774 of this document

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CITY OF COLUMBUS UTILITY LEGEND

- ☐ SEWER
- ☐ WATER
- ☐ POWER
- ☐ LIGHTING

Sheet 422A can be found on page 771 of this document



REFER TO SHEET 233 FOR INTERCONNECT SHEET INDEX

KEY PLAN
NOT TO SCALE

5 DRAFT REVISION 5.0

3676-E

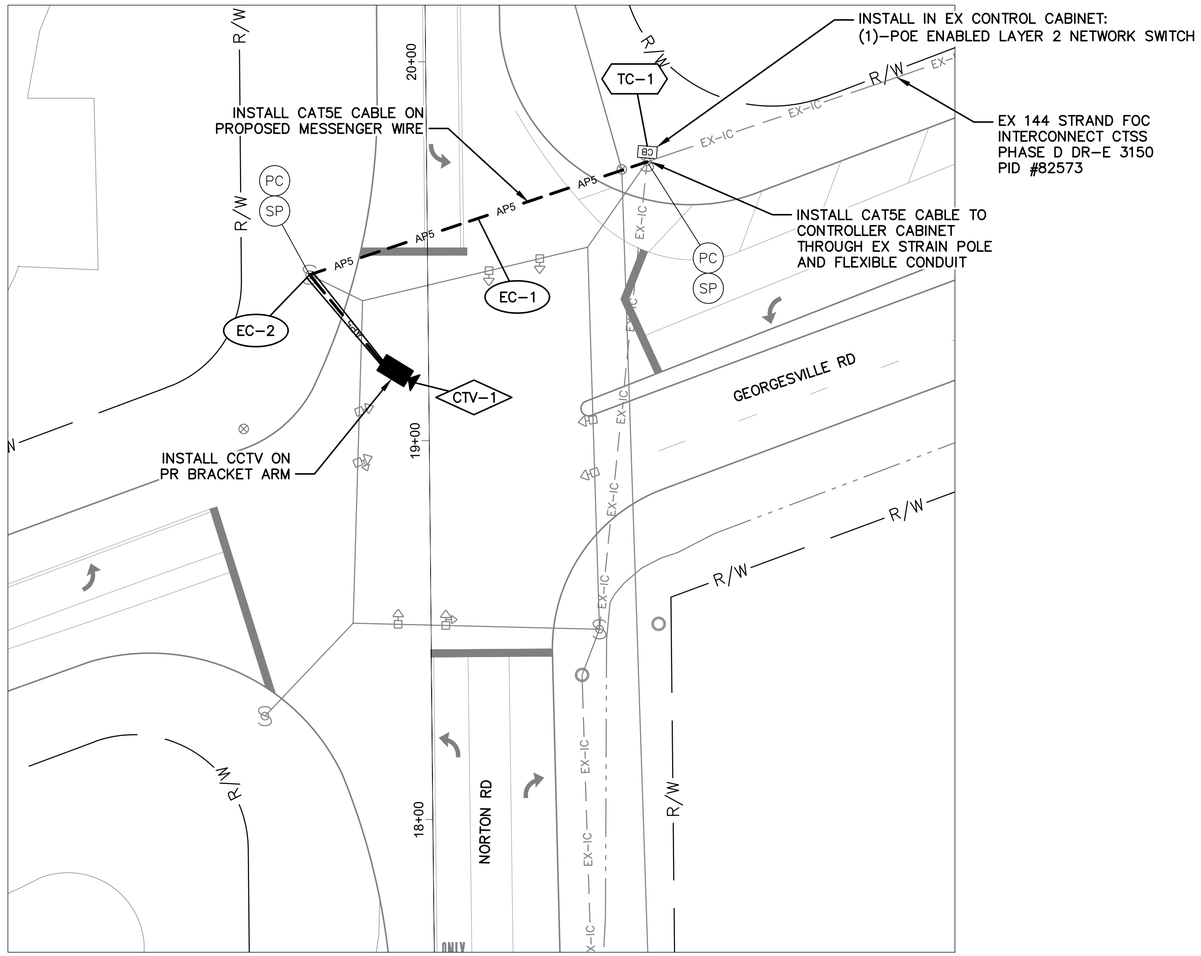
HORIZONTAL SCALE IN FEET
0 20 40

CIP: 540007–100060
PID NUMBER: 110521

CCTV PLAN
INT 3232 – POLARIS PKWY AT SANCUS BLVD

CITY OF COLUMBUS TRAFFIC SIGNAL SYSTEM
(CTSS) PHASE F – FINAL SUBMITTAL

\\colw00\PWork\Jobs\70202 – ctss phase f\TECHPROD\Sheets\CTSS_PhF_Trunk2_CCTV.dwg – CCTV–3 layout ~ last saved by: jkeans 12/04/2023 11:55am ~ printed 12/04/2023 02:39pm PSLTS: 1 LTS: 1 CAS: 1:1



DETAIL - INT 1089 - GEORGESVILLE RD AT NORTON RD

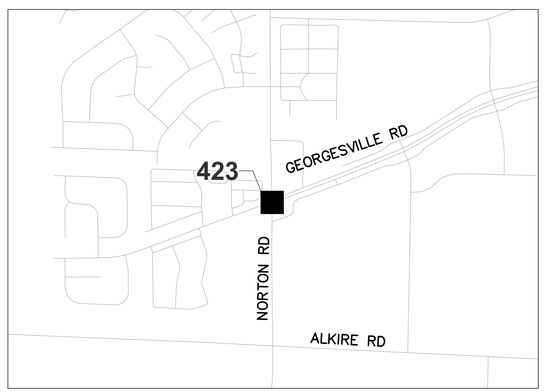
NOTES:

1. SEE SHEET 425 FOR QUANTITIES.
2. SEE SHEET 671 FOR COMMUNICATION DETAILS.
3. SEE SHEET 49 FOR CCTV MOUNTING DETAILS.

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CITY OF COLUMBUS UTILITY LEGEND

- ☐ SEWER
- ☐ WATER
- ☐ POWER
- ☐ LIGHTING



REFER TO SHEET 239 FOR INTERCONNECT SHEET INDEX

KEY PLAN
NOT TO SCALE

3676-E

HORIZONTAL SCALE IN FEET
0 20 40

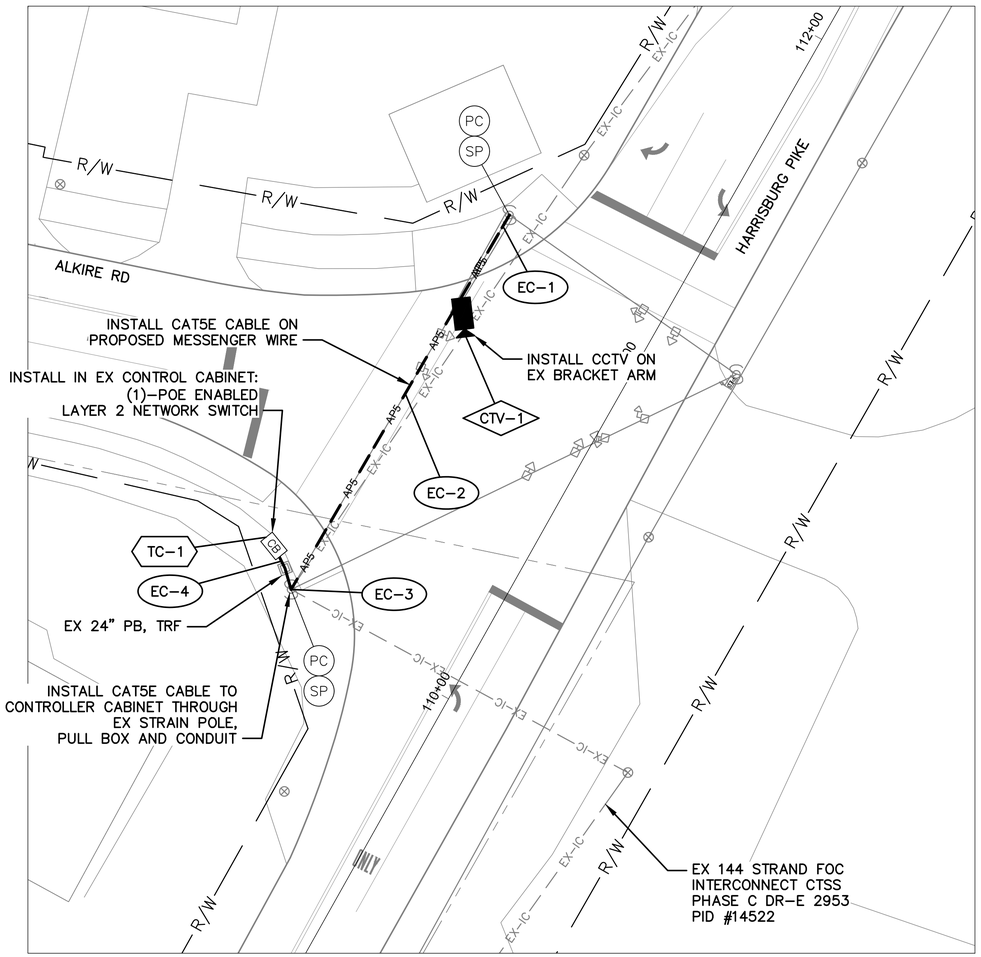
CIP: 540007–100060
PID NUMBER: 110521

CCTV PLAN
INT 1089 – GEORGESVILLE RD AT NORTON RD

CITY OF COLUMBUS TRAFFIC SIGNAL SYSTEM
(CTSS) PHASE F – FINAL SUBMITTAL

423
768

J:\Jobs\70202 – CTSS Phase F\TECHPROD\Sheets\CTSS_PhF_Trunk3_CCTV.dwg – CCTV–4 layout ~ last saved by: gburch 05/31/2022 11:10am ~ printed 06/02/2022 01:16pm PSLTS: 1 LTS: 1 CAS: 1:1



DETAIL - INT 1090 - ALKIRE RD AT HARRISBURG PIKE

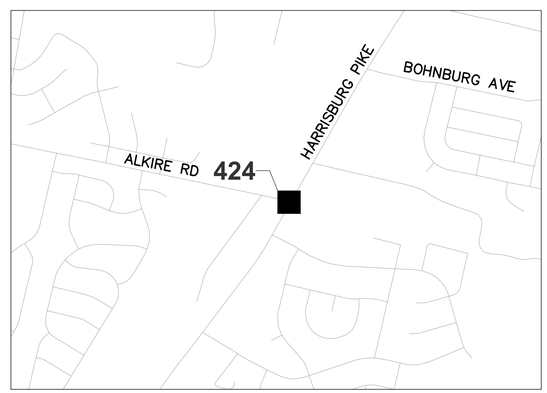
NOTES:

1. SEE SHEET 425 FOR QUANTITIES.
2. SEE SHEET 672 FOR COMMUNICATION DETAILS.
3. SEE SHEET 49 FOR CCTV MOUNTING DETAILS.

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CITY OF COLUMBUS UTILITY LEGEND

- ☐ SEWER
- ☐ WATER
- ☐ POWER
- ☐ LIGHTING



REFER TO SHEET 239 FOR INTERCONNECT SHEET INDEX

KEY PLAN
NOT TO SCALE

3676-E

HORIZONTAL SCALE IN FEET
0 20 40

CIP: 540007-100060
PID NUMBER: 110521

CCTV PLAN
INT 1090 – ALKIRE RD AT HARRISBURG PIKE

CITY OF COLUMBUS TRAFFIC SIGNAL SYSTEM
(CTSS) PHASE F – FINAL SUBMITTAL

424
768

J:\Jobs\70202 – CTSS Phase F\TECHPROD\Sheets\CTSS_PhF_Trunk3_CCTV.dwg – CCTV-4A layout ~ last saved by: gburch 05/31/2022 11:10am ~ printed 06/02/2022 01:17pm PSLTS: 1 LTS: 1 CAS: 1:1

ESTIMATED QUANTITIES

SHEET NO.	REFERENCE NO.	LOCATION	STATION		202	625	632	632	632	633														
					EXISTING CONDUIT CLEANED, AS PER PLAN	BRACKET ARM, 30', AS PER PLAN	INTERCONNECT, MISC.: CAT 5E CABLE, OUTDOOR RATED	MESSENGER WIRE, 7 STRAND, 1/4" DIAMETER WITH ACCESSORIES, AS PER PLAN	SIGNALIZATION, MISC.: CCTV IP-CAMERA SYSTEM	CONTROLLER ITEM, MISC.: POE ENABLED LAYER 2 ETHERNET SWITCH														
			FROM	TO	FT	EACH	FT	FT	EACH	EACH														
ACKERMAN RD., INT 4000																								
418	EC-1	KENNY RD	113+25, 51' RT	113+37, 23' RT			30																	
418	EC-2	KENNY RD	113+25, 51' RT			1	35																	
418	EC-3	KENNY RD	113+25, 51' RT	113+30, 58' RT	23		23																	
418	TC-1	KENNY RD	113+30, 58' RT				20			1														
418	CTV-1	KENNY RD	113+37, 23' RT						1															
FISHINGER BLVD., INT 4214																								
419	EC-1	FISHINGER BLVD	60+28, 35' RT	60+38, 7' RT			30																	
419	EC-2	FISHINGER BLVD	60+28, 35' RT			1	35																	
419	EC-3	FISHINGER BLVD	60+28, 35' RT	61+48, 58' RT	150		150																	
419	CTV-1	FISHINGER BLVD	60+38, 7' RT						1															
419	TC-1	FISHINGER BLVD	61+48, 58' RT				20			1														
FOURTH ST., INT 3040																								
420	TC-1	FOURTH ST	46+81, 32' LT				55			1														
420	EC-1	FOURTH ST	46+81, 32' LT	46+87, 34' RT			68	68																
420	CTV-1	FOURTH ST	46+87, 34' RT						1															
INDIANOLA AVE., INT 3047																								
421	CTV-1	NORTH BROADWAY	142+70, 36' RT						1															
421	EC-1	NORTH BROADWAY	142+70, 36' RT				35																	
421	EC-2	NORTH BROADWAY	142+70, 36' RT	142+76, 36' RT	6		6																	
421	TC-1	NORTH BROADWAY	142+76, 36' RT				20			1														
POLARIS PKWY., INT 3232																								
422	TC-1	POLARIS PARKWAY	96+70, 94' RT				20			1														
422	EC-1	POLARIS PARKWAY	96+70, 94' RT	96+97, 105' RT	49		49																	
422	CTV-1	POLARIS PARKWAY	96+97, 105' RT				35		1															
GEORGESVILLE RD., INT 1089																								
423	CTV-1	NORTON RD	19+21, 12' LT						1															
423	EC-1	NORTON RD	19+21, 12' LT	19+73, 58' RT			124	124																
423	EC-2	NORTON RD	19+44, 31' LT			1																		
423	TC-1	NORTON RD	19+73, 58' RT				55			1														
ALKIRE RD., INT 1090																								
424	EC-3	HARRISBURG PIKE	110+05, 50' LT				35																	
424	EC-1	HARRISBURG PIKE	110+05, 50' LT	110+94, 49' LT			140	140																
424	EC-4	HARRISBURG PIKE	110+05, 50' LT	110+13, 60' LT	12		12																	
424	TC-1	HARRISBURG PIKE	110+13, 60' LT				20			1														
424	CTV-1	HARRISBURG PIKE	110+94, 49' LT						1															
424	EC-2	HARRISBURG PIKE	111+19, 49' LT			1																		
SHEET TOTAL					240	4	1,017	332	7	7	-	-	-	-	-	-	-	-	-	-	-	-	-	-

AERIAL SAG: 1.5% AERIAL SAG IS INCLUDED IN THE QUANTITIES FOR ANY AERIAL FIBER OR CABLE ITEMS.

3676-E

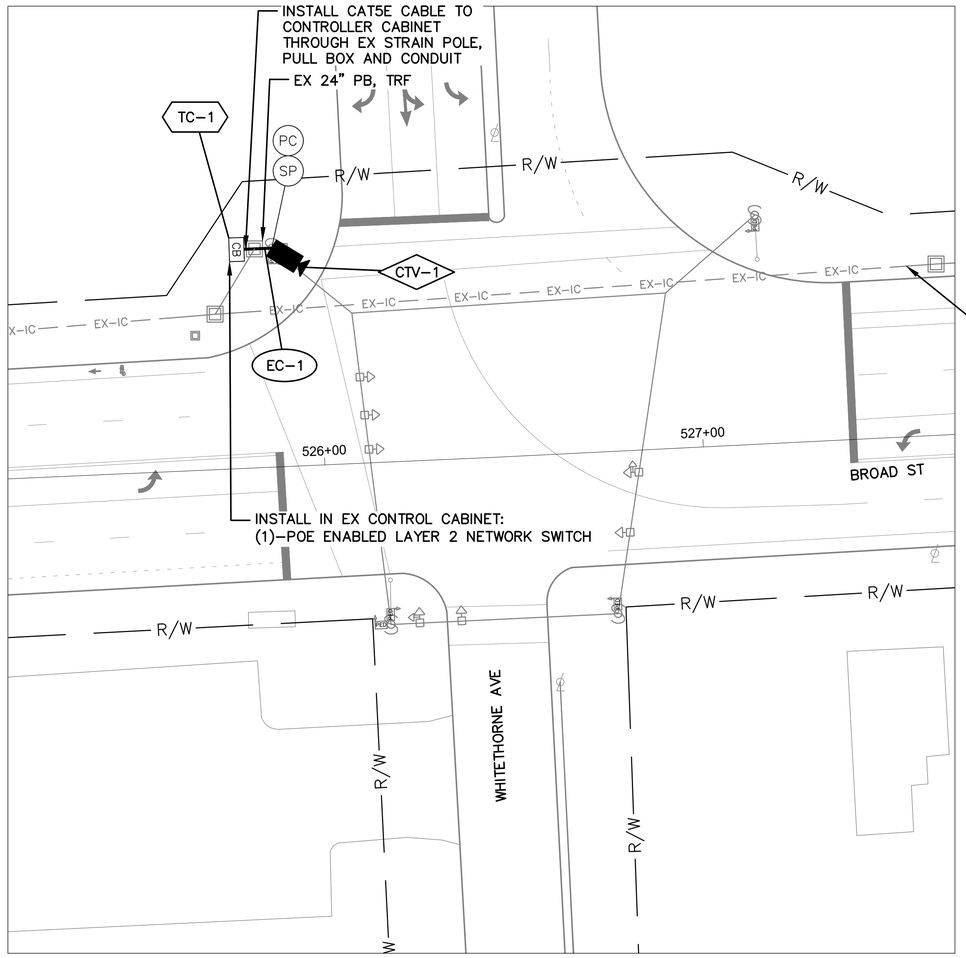
CIP: 540007–100060
PID NUMBER: 110521

CCTV INSTALLATION QUANTITIES – VARIOUS LOCATIONS

CITY OF COLUMBUS TRAFFIC SIGNAL SYSTEM
(CTSS) PHASE F – FINAL SUBMITTAL

425
768

J:\Jobs\70202 – CTSS Phase F\TECHPROD\Sheets\CTSS_PhF_Trunk4_CCTV_IC_QUANTITIES.dwg – CCTV Q1 layout ~ last saved by: gburch 05/31/2022 11:11am ~ printed 06/02/2022 02:36pm PSLTS: 1 LTS: 1 CAS: 1:1



DETAIL - INT 1044 - BROAD ST AT WHITETHORNE AVE

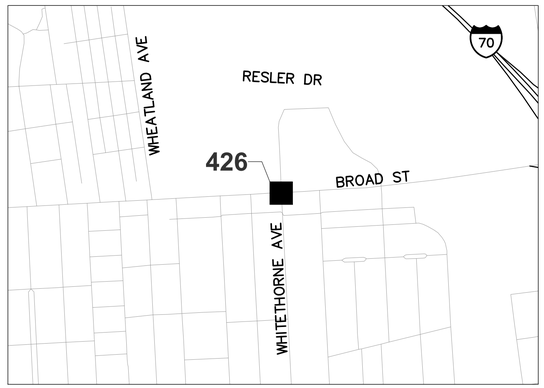
NOTES:

1. SEE SHEET 432 FOR QUANTITIES.
2. SEE SHEET 673 FOR COMMUNICATION DETAILS.
3. SEE SHEET 50 FOR CCTV MOUNTING DETAILS.

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CITY OF COLUMBUS UTILITY LEGEND

- ☐ SEWER
- ☐ WATER
- ☐ POWER
- ☐ LIGHTING



REFER TO SHEET 237 FOR INTERCONNECT SHEET INDEX

KEY PLAN
NOT TO SCALE

3676-E

HORIZONTAL SCALE IN FEET
0 20 40

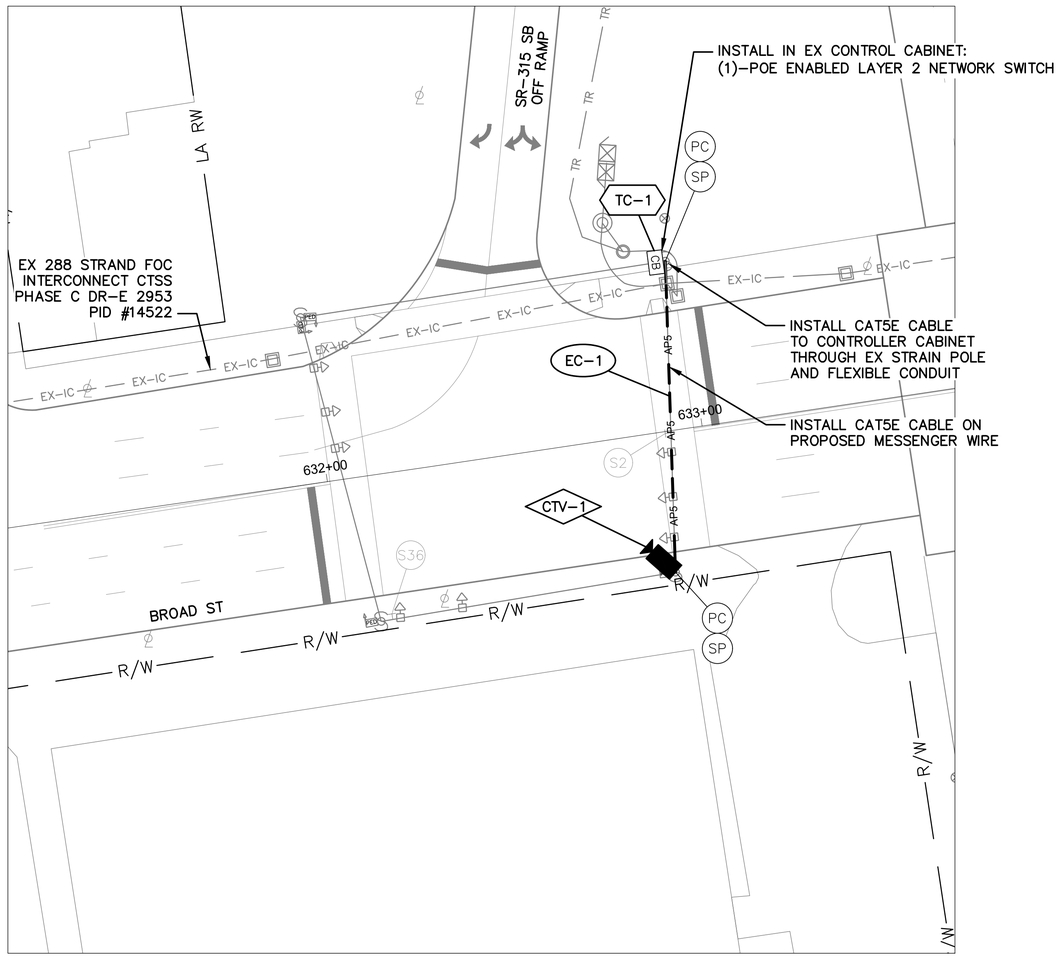
CIP: 540007-100060
PID NUMBER: 110521

CCTV PLAN
INT 1044 - BROAD ST AT WHITETHORNE AVE

CITY OF COLUMBUS TRAFFIC SIGNAL SYSTEM
(CTSS) PHASE F - FINAL SUBMITTAL

426
768

J:\Jobs\70202 - CTSS Phase F\TECHPROD\Sheets\CTSS_PhF_Trunk3_CCTV.dwg - CCTV-5A layout ~ last saved by: gburch 05/31/2022 11:10am ~ printed 06/02/2022 01:17pm PSLTS: 1 LTS: 1 CAS: 1:1



DETAIL - INT 1004 - BROAD ST AT SR-315 SB OFF RAMP

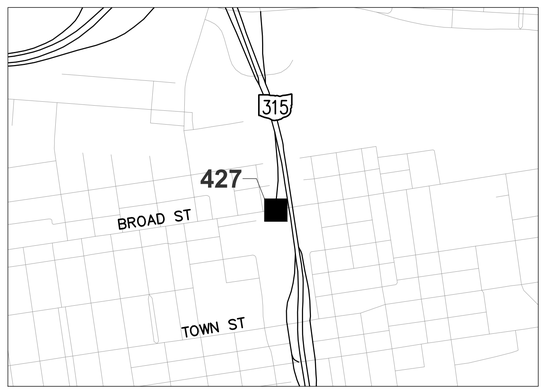
NOTES:

1. SEE SHEET 432 FOR QUANTITIES.
2. SEE SHEET 674 FOR COMMUNICATION DETAILS.
3. SEE SHEET 50 FOR CCTV MOUNTING DETAILS.

OHIO Utilities Protection SERVICE
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www.oups.org

CITY OF COLUMBUS UTILITY LEGEND

- ☐ SEWER
- ☐ WATER
- ☐ POWER
- ☐ LIGHTING



REFER TO SHEET 238 FOR INTERCONNECT SHEET INDEX

KEY PLAN
NOT TO SCALE

3676-E

HORIZONTAL SCALE IN FEET
0 20 40

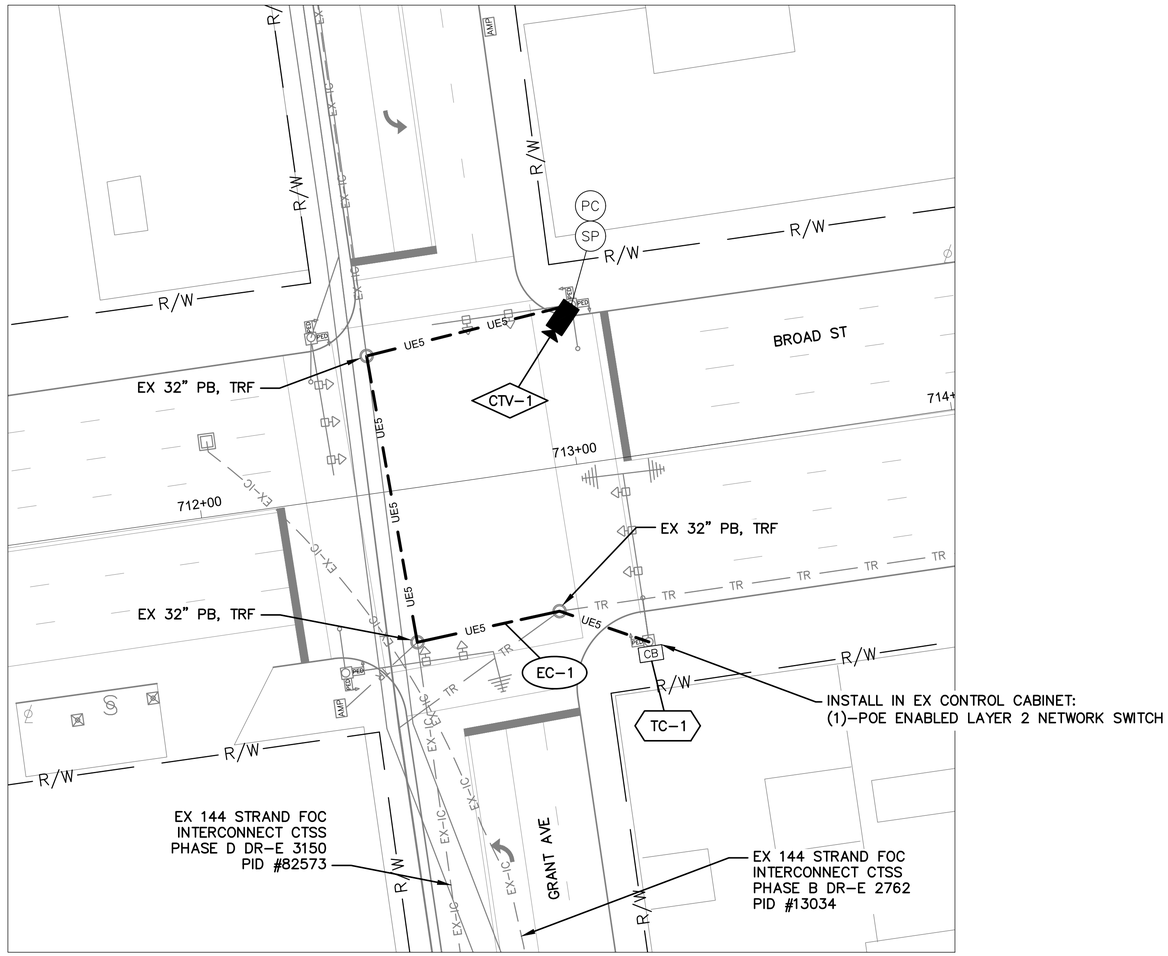
CIP: 540007–100060
PID NUMBER: 110521

CCTV PLAN
INT 1004 – BROAD ST AT SR–315 SB OFF RAMP

CITY OF COLUMBUS TRAFFIC SIGNAL SYSTEM
(CTSS) PHASE F – FINAL SUBMITTAL

427
768

J:\Jobs\70202 – CTSS Phase F\TECHPROD\Sheets\CTSS_PhF_Trunk3_CCTV.dwg – CCTV–6 layout – last saved by: gburch 05/31/2022 11:10am – printed 06/02/2022 01:18pm PSLTS: 1 LTS: 1 CAS: 1:1



DETAIL - INT 0045 - BROAD ST AT GRANT AVE

NOTES:

1. SEE SHEET 432 FOR QUANTITIES.
2. SEE SHEET 675 FOR COMMUNICATION DETAILS.
3. SEE SHEET 50 FOR CCTV MOUNTING DETAILS.

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CITY OF COLUMBUS UTILITY LEGEND

- ☐ SEWER
- ☐ WATER
- ☐ POWER
- ☐ LIGHTING



REFER TO SHEET 238 FOR INTERCONNECT SHEET INDEX

KEY PLAN
NOT TO SCALE

3676-E

HORIZONTAL SCALE IN FEET
0 20 40

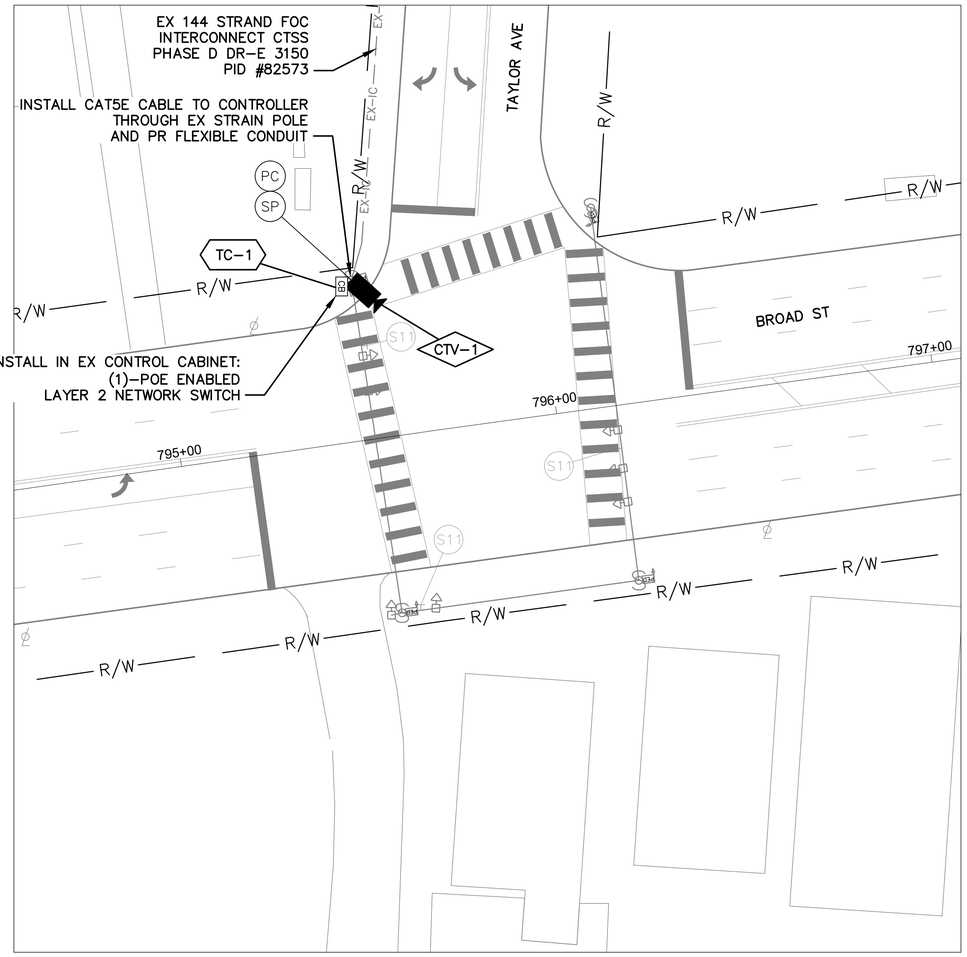
CIP: 540007-100060
PID NUMBER: 110521

CCTV PLAN
INT 0045 - BROAD ST AT GRANT AVE

CITY OF COLUMBUS TRAFFIC SIGNAL SYSTEM
(CTSS) PHASE F - FINAL SUBMITTAL

428
768

J:\Jobs\70202 - CTSS Phase F\TECHPROD\Sheets\CTSS_PhF_Trunk3_CCTV.dwg - CCTV-6A layout ~ last saved by: gburch 05/31/2022 11:10am ~ printed 06/02/2022 01:19pm PSLTS: 1 LTS: 1 CAS: 1:1



DETAIL - INT 3006 - BROAD ST AT TAYLOR AVE

NOTES:

1. SEE SHEET 432 FOR QUANTITIES.
2. SEE SHEET 676 FOR COMMUNICATION DETAILS.
3. SEE SHEET 50 FOR CCTV MOUNTING DETAILS.

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CITY OF COLUMBUS UTILITY LEGEND

- ☐ SEWER
- ☐ WATER
- ☐ POWER
- ☐ LIGHTING



REFER TO SHEET 238 FOR INTERCONNECT SHEET INDEX

KEY PLAN
NOT TO SCALE

3676-E

HORIZONTAL SCALE IN FEET
0 20 40

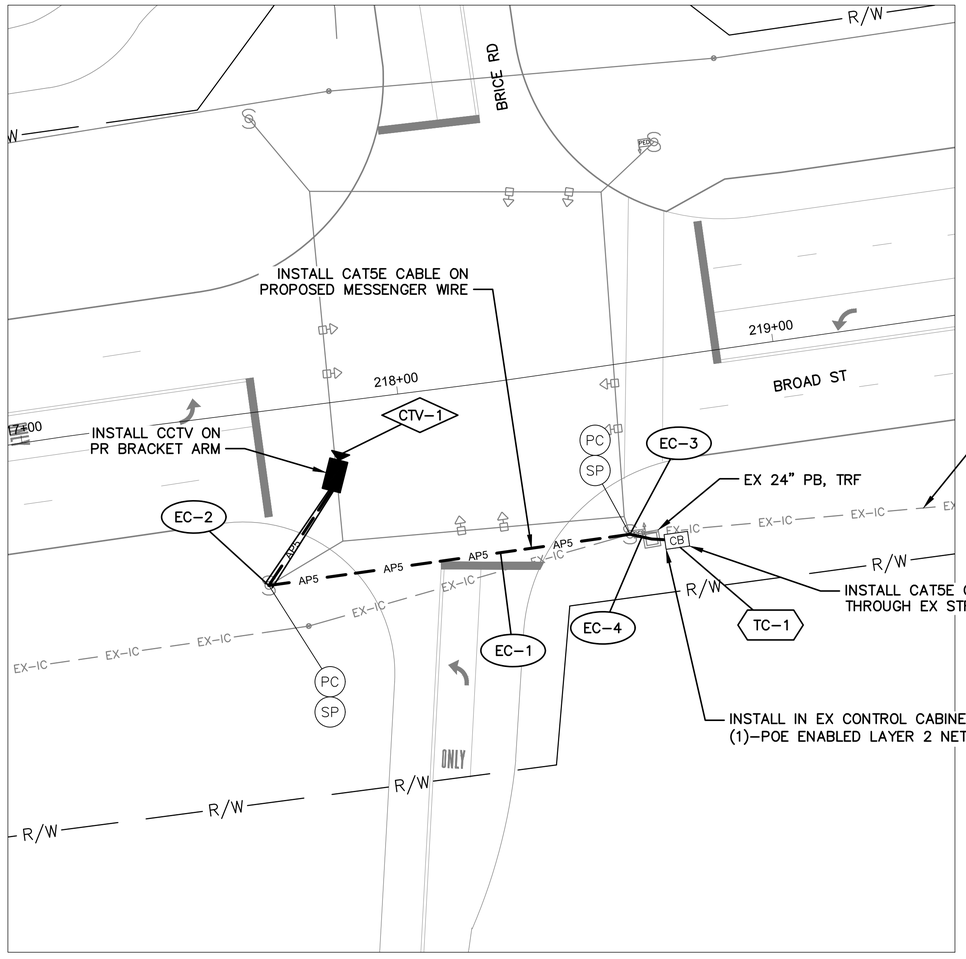
CIP: 540007-100060
PID NUMBER: 110521

CCTV PLAN
INT 3006 - BROAD ST AT TAYLOR AVE

CITY OF COLUMBUS TRAFFIC SIGNAL SYSTEM
(CTSS) PHASE F - FINAL SUBMITTAL

429
768

J:\Jobs\70202 - CTSS Phase F\TECHPROD\Sheets\CTSS_PhF_Trunk3_CCTV.dwg ~ CCTV-7 layout ~ last saved by: gburch 05/31/2022 11:10am ~ printed 06/02/2022 01:20pm PSLTS: 1 LTS: 1 CAS: 1:1



DETAIL - INT 3267 - BRICE RD AT BROAD ST

NOTES:

1. SEE SHEET 432 FOR QUANTITIES.
2. SEE SHEET 677 FOR COMMUNICATION DETAILS.
3. SEE SHEET 49 FOR CCTV MOUNTING DETAILS.

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CITY OF COLUMBUS UTILITY LEGEND

- ☐ SEWER
- ☐ WATER
- ☐ POWER
- ☐ LIGHTING



REFER TO SHEET 236 FOR INTERCONNECT SHEET INDEX

KEY PLAN
NOT TO SCALE

3676-E

HORIZONTAL SCALE IN FEET
0 20 40

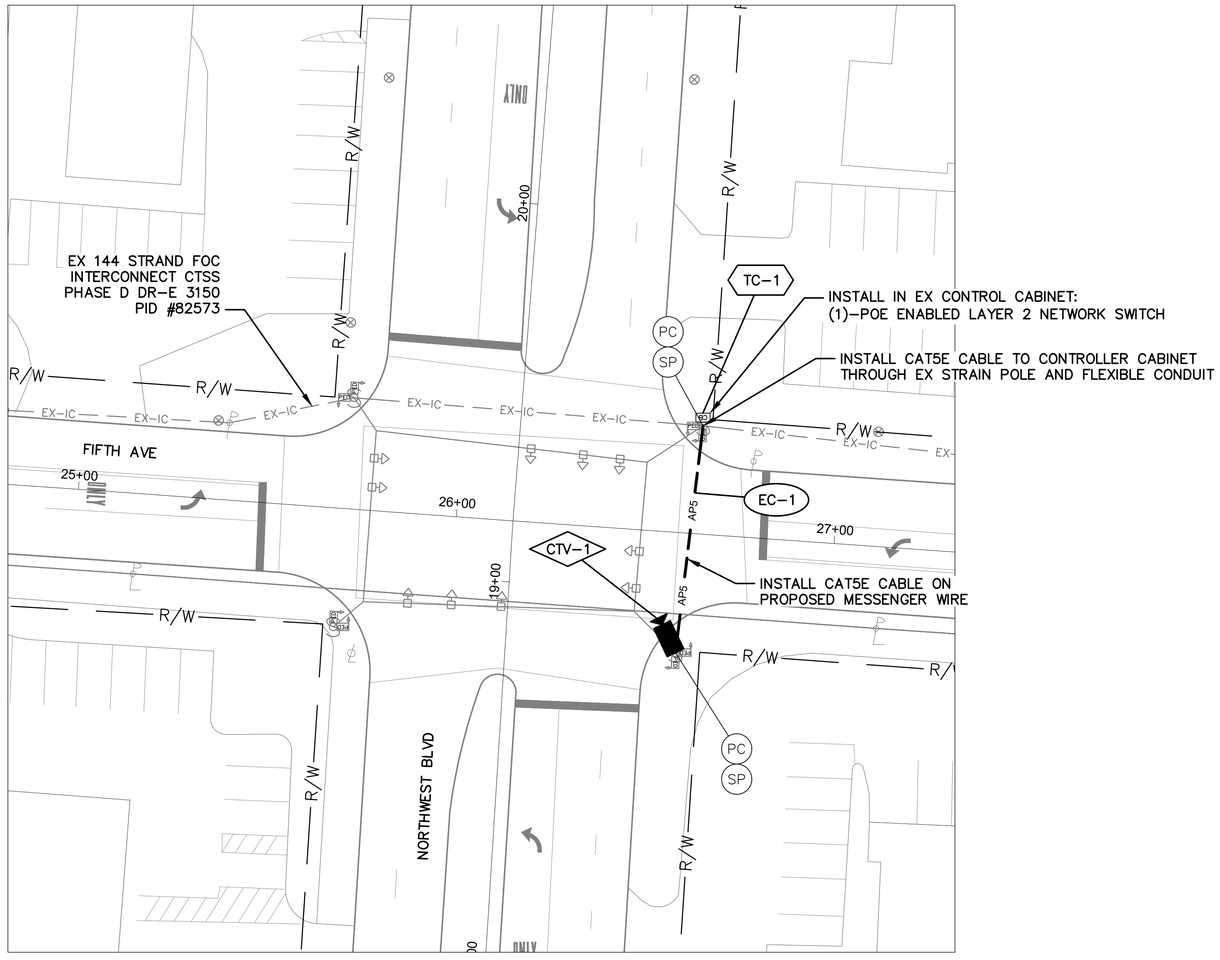
CIP: 540007-100060
PID NUMBER: 110521

CCTV PLAN
INT 3267 - BRICE RD AT BROAD ST

CITY OF COLUMBUS TRAFFIC SIGNAL SYSTEM
(CTSS) PHASE F - FINAL SUBMITTAL

430
768

J:\Jobs\70202 - CTSS Phase F\TECHPROD\Sheets\CTSS_PhF_Trunk3_CCTV.dwg - CCTV-7A layout ~ last saved by: gburch 05/31/2022 11:10am ~ printed 06/02/2022 01:21pm PSLTS: 1 LTS: 1 CAS: 1:1



DETAIL - INT 4089 - FIFTH AVE AT NORTHWEST BLVD

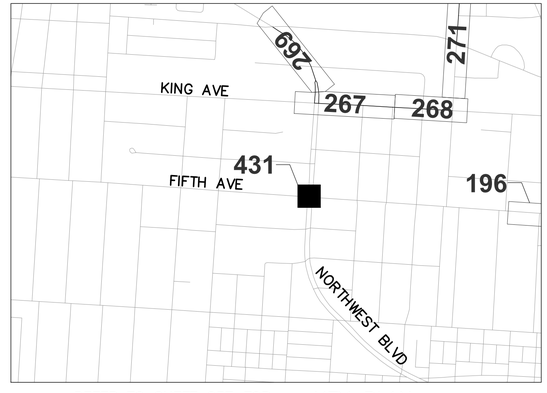
NOTES:

1. SEE SHEET 432 FOR QUANTITIES.
2. SEE SHEET 678 FOR COMMUNICATION DETAILS.
3. SEE SHEET 50 FOR CCTV MOUNTING DETAILS.

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CITY OF COLUMBUS UTILITY LEGEND

- ☐ SEWER
- ☐ WATER
- ☐ POWER
- ☐ LIGHTING



REFER TO SHEET 237 FOR INTERCONNECT SHEET INDEX

KEY PLAN
NOT TO SCALE

3676-E

HORIZONTAL SCALE IN FEET
0 20 40

CIP: 540007-100060
PID NUMBER: 110521

CCTV PLAN
INT 4089 - FIFTH AVE AT NORTHWEST BLVD

CITY OF COLUMBUS TRAFFIC SIGNAL SYSTEM
(CTSS) PHASE F - FINAL SUBMITTAL

431
768

J:\Jobs\70202 - CTSS Phase F\TECHPROD\Sheets\CTSS_PhF_Trunk3_CCTV.dwg - CCTV-8 layout ~ last saved by: gburch 05/31/2022 11:10am ~ printed 06/02/2022 01:22pm PSLTS: 1 LTS: 1 CAS: 1:1

ESTIMATED QUANTITIES

SHEET NO.	REFERENCE NO.	LOCATION	STATION		202	625	632	632	632	633														
					EXISTING CONDUIT CLEANED, AS PER PLAN	BRACKET ARM, 30', AS PER PLAN	INTERCONNECT, MISC.: CAT 5E CABLE, OUTDOOR RATED	MESSENGER WIRE, 7 STRAND, 1/4" DIAMETER WITH ACCESSORIES, AS PER PLAN	SIGNALIZATION, MISC.: CCTV IP-CAMERA SYSTEM	CONTROLLER ITEM, MISC.: POE ENABLED LAYER 2 ETHERNET SWITCH														
			FROM	TO	FT	EACH	FT	FT	EACH	EACH														
BROAD ST., INT 1044																								
426	TC-1	BROAD ST	525+79, 58' LT				20			1														
426	EC-1	BROAD ST	525+79, 58' LT	525+89, 58' LT	9		9																	
426	CTV-1	BROAD ST	525+89, 58' LT						1															
BROAD ST., INT 1004																								
427	CTV-1	BROAD ST	632+87, 37' RT						1															
427	EC-1	BROAD ST	632+87, 37' RT	632+97, 44' LT			82	82																
427	TC-1	BROAD ST	632+97, 44' LT				55			1														
BROAD ST., INT 0045																								
428	CTV-1	BROAD ST	713+05, 42' LT				35		1															
428	EC-1	BROAD ST	713+05, 42' LT	713+12, 49' RT	196		196																	
428	TC-1	BROAD ST	713+12, 49' RT				20			1														
BROAD ST., INT 3006																								
429	TC-1	BROAD ST	795+51, 42' LT				55			1														
429	CTV-1	BROAD ST	795+54, 13' LT						1															
BROAD ST., INT 3267																								
430	EC-2	BROAD ST	217+60, 46' RT			1																		
430	CTV-1	BROAD ST	217+89, 23' RT						1															
430	EC-1	BROAD ST	217+89, 23' RT	218+55, 45' RT			126	126																
430	EC-3	BROAD ST	218+55, 45' RT				35																	
430	EC-4	BROAD ST	218+55, 45' RT	218+67, 48' RT	13		13																	
430	TC-1	BROAD ST	218+67, 48' RT				20			1														
FIFTH AVE., INT 4089																								
431	CTV-1	FIFTH AVE	26+30, 29' RT						1															
431	EC-1	FIFTH AVE	26+30, 29' RT	26+63, 29' LT			61	61																
431	TC-1	FIFTH AVE	26+63, 29' LT				55			1														
SHEET TOTAL					218	1	782	269	6	6	-	-	-	-	-	-	-	-	-	-	-	-	-	-

AERIAL SAG: 1.5% AERIAL SAG IS INCLUDED IN THE QUANTITIES FOR ANY AERIAL FIBER OR CABLE ITEMS.

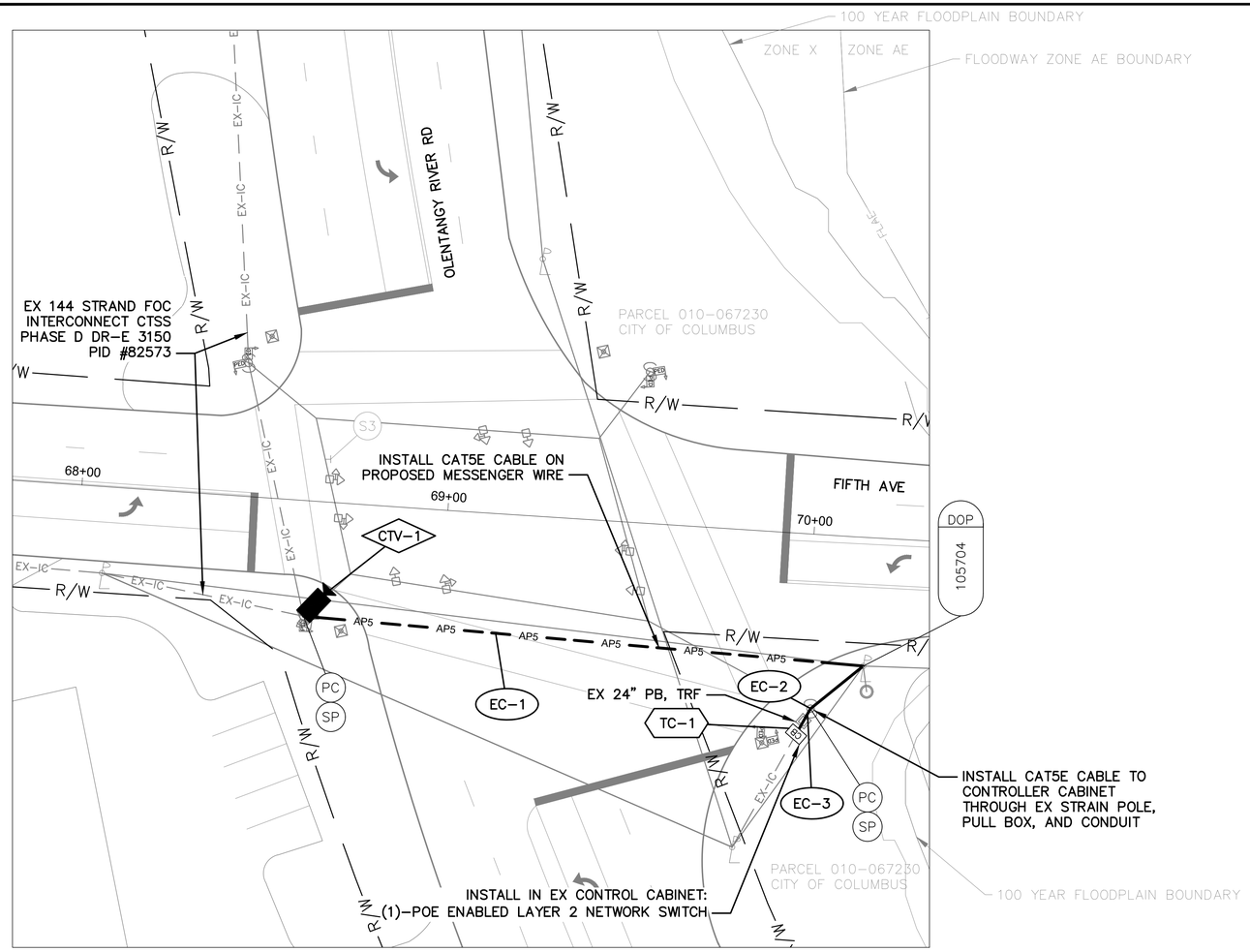
3676-E

CIP: 540007–100060
PID NUMBER: 110521

CCTV INSTALLATION QUANTITIES – VARIOUS LOCATIONS

CITY OF COLUMBUS TRAFFIC SIGNAL SYSTEM
(CTSS) PHASE F – FINAL SUBMITTAL

J:\Jobs\70202 – CTSS Phase F\TECHPROD\Sheets\CTSS_PhF_Trunk4_CCTV_JC_QUANTITIES.dwg – CCTV Q2 layout ~ last saved by: gburch 05/31/2022 11:11am ~ printed 06/02/2022 02:37pm PSLTS: 1 LTS: 1 CAS: 1:1



DETAIL - INT 4086 - FIFTH AVE AT OLENTANGY RIVER RD

NOTES:

1. SEE SHEET 439 FOR QUANTITIES.
2. SEE SHEET 684 FOR COMMUNICATION DETAILS.
3. SEE SHEET 50 FOR CCTV MOUNTING DETAILS.

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CITY OF COLUMBUS UTILITY LEGEND

- ☐ SEWER
- ☐ WATER
- ☐ POWER
- ☐ LIGHTING



REFER TO SHEET 237 FOR INTERCONNECT SHEET INDEX

KEY PLAN
NOT TO SCALE

3676-E

HORIZONTAL SCALE IN FEET
0 20 40

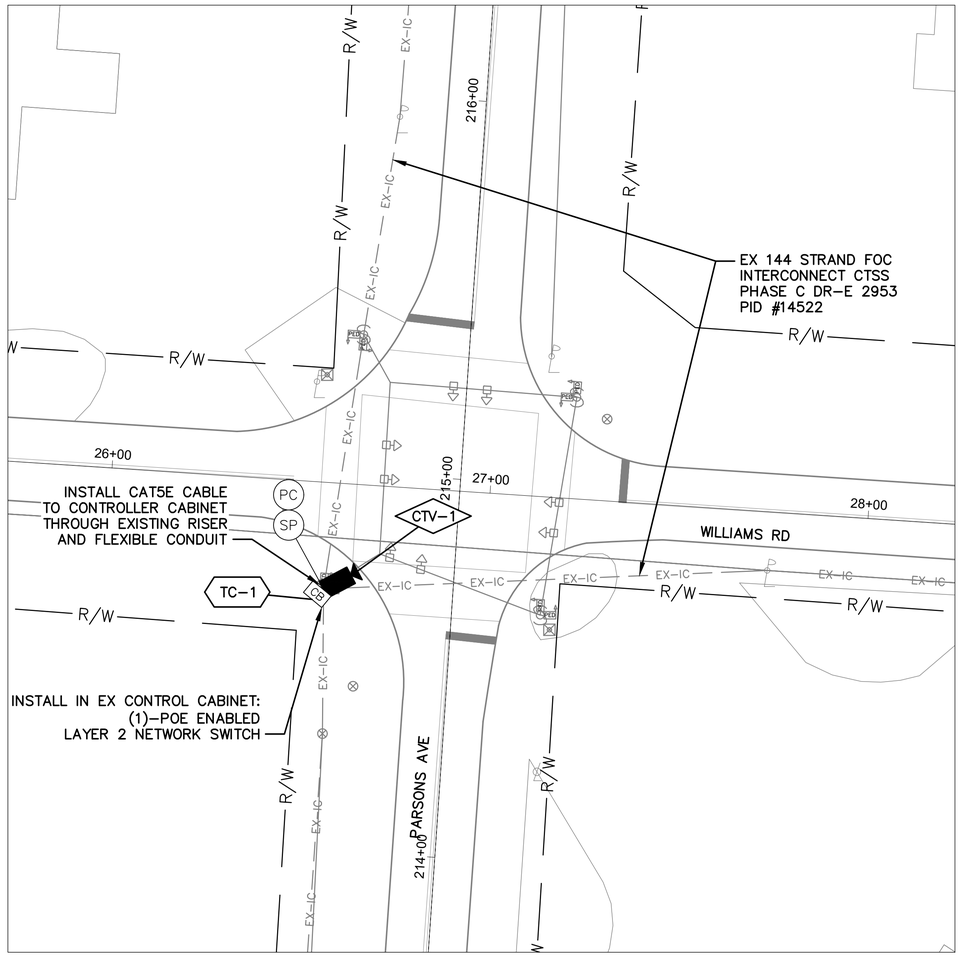
CIP: 540007-100060
PID NUMBER: 110521

CCTV PLAN
FIFTH AVE AT OLENTANGY RIVER RD
INT 4086 - FIFTH AVE AT OLENTANGY RIVER RD

CITY OF COLUMBUS TRAFFIC SIGNAL SYSTEM
(CTSS) PHASE F - FINAL SUBMITTAL

433
768

J:\Jobs\70202 - CTSS Phase F\TECHPROD\Sheets\CTSS_PhF_Trunk3_CCTV.dwg - CCTV-8A layout ~ last saved by: gburch 05/31/2022 11:10am ~ printed 06/02/2022 01:27pm PSLTS: 1 LTS: 1 CAS: 1:1



DETAIL - INT 2083 - PARSONS AVE AT WILLIAMS RD

NOTES:

1. SEE SHEET 439 FOR QUANTITIES.
2. SEE SHEET 654 FOR COMMUNICATION DETAILS.
3. SEE SHEET 50 FOR CCTV MOUNTING DETAILS.

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CITY OF COLUMBUS UTILITY LEGEND

- ☐ SEWER
- ☐ WATER
- ☐ POWER
- ☐ LIGHTING



REFER TO SHEET 240 FOR INTERCONNECT SHEET INDEX

KEY PLAN
NOT TO SCALE

3676-E

HORIZONTAL SCALE IN FEET
0 20 40

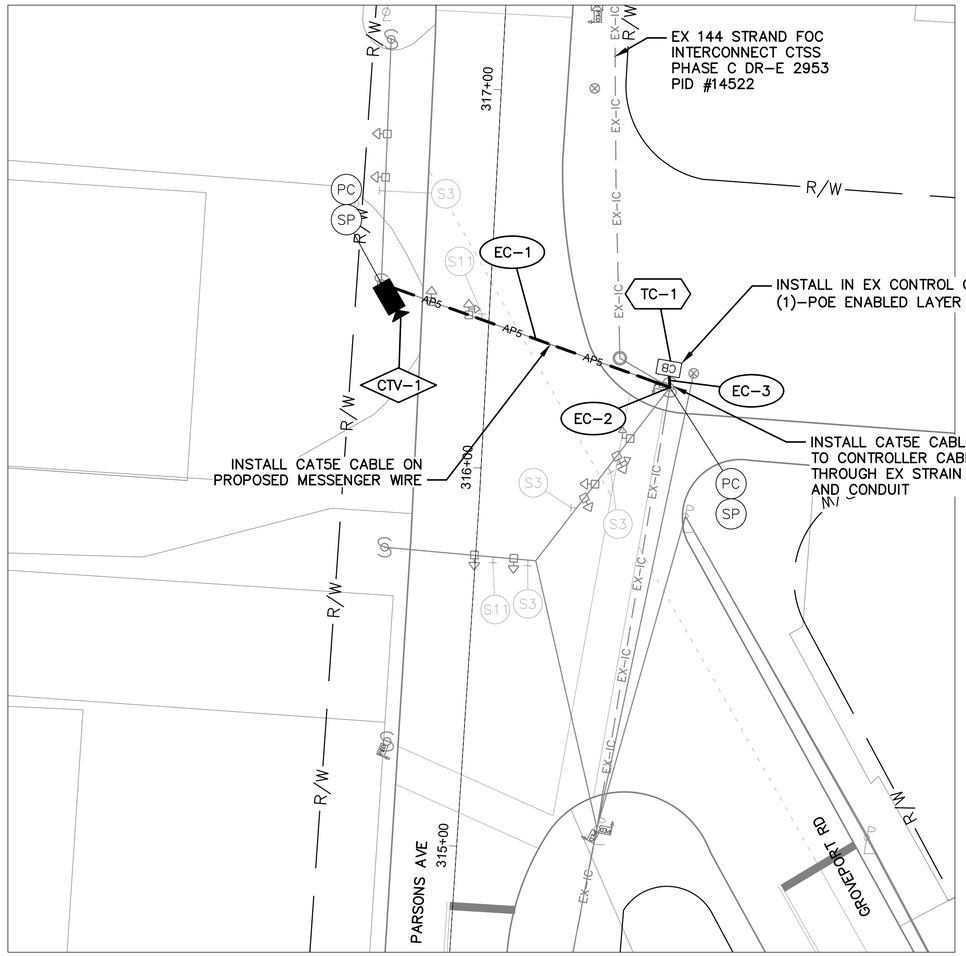
CIP: 540007-100060
PID NUMBER: 110521

CCTV PLAN
INT 2083 - PARSONS AVE AT WILLIAMS RD

CITY OF COLUMBUS TRAFFIC SIGNAL SYSTEM
(CTSS) PHASE F - FINAL SUBMITTAL

434
768

J:\Jobs\70202 - CTSS Phase F\TECHPROD\Sheets\CTSS_PhF_Trunk4_CCTV.dwg - CCTV-10 layout ~ last saved by: gburch 05/31/2022 11:10am ~ printed 06/02/2022 01:28pm PSLTS: 1 LTS: 1 CAS: 1:1



DETAIL - INT 2051 - GROVEPORT RD AT PARSONS AVE

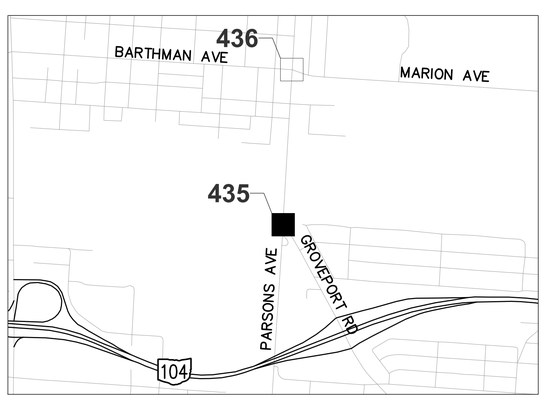
NOTES:

1. SEE SHEET 439 FOR QUANTITIES.
2. SEE SHEET 680 FOR COMMUNICATION DETAILS.
3. SEE SHEET 50 FOR CCTV MOUNTING DETAILS.

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CITY OF COLUMBUS UTILITY LEGEND

- ☐ SEWER
- ☐ WATER
- ☐ POWER
- ☐ LIGHTING



REFER TO 240 SHEET FOR INTERCONNECT SHEET INDEX

KEY PLAN
NOT TO SCALE

3676-E

HORIZONTAL SCALE IN FEET
0 20 40

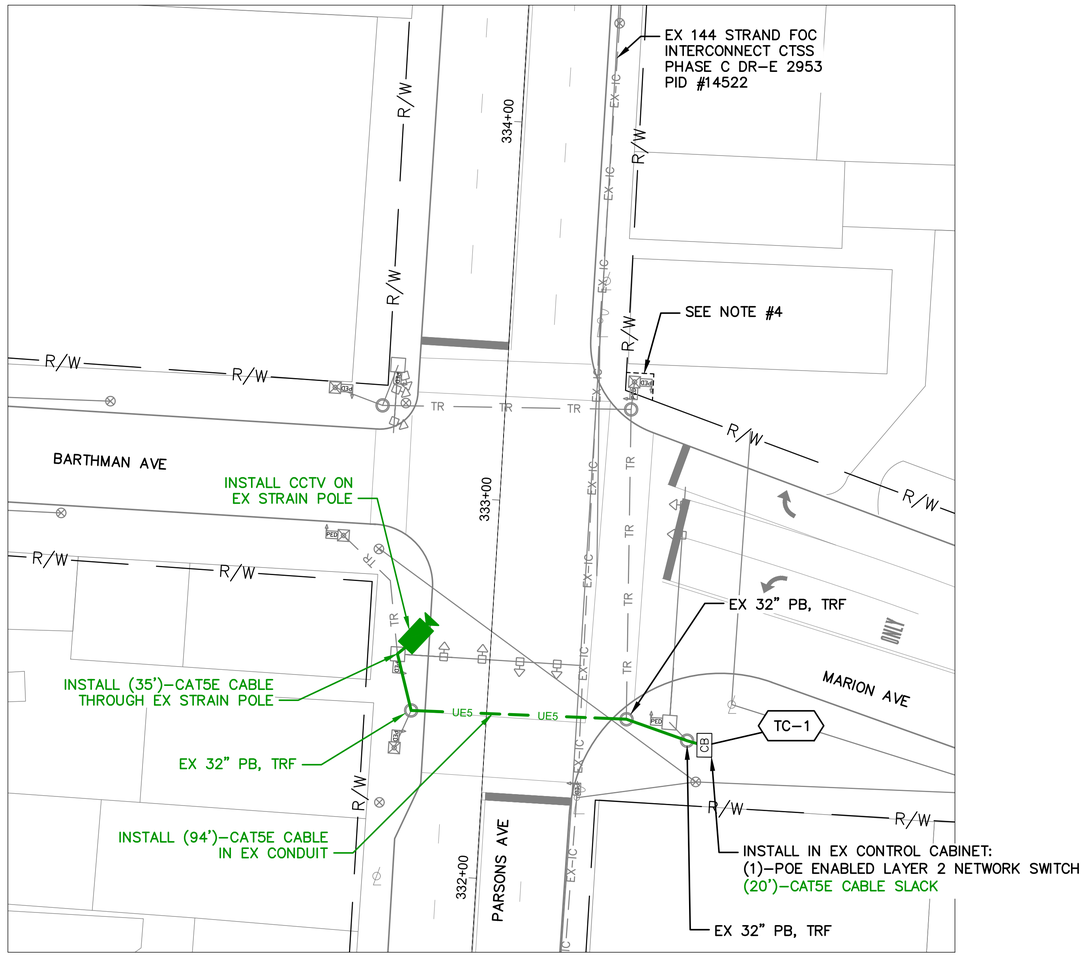
CIP: 540007-100060
PID NUMBER: 110521

CCTV PLAN
INT 2051 – GROVEPORT RD AT PARSONS AVE

CITY OF COLUMBUS TRAFFIC SIGNAL SYSTEM
(CTSS) PHASE F – FINAL SUBMITTAL

435
768

J:\Jobs\70202 – CTSS Phase F\TECHPROD\Sheets\CTSS_PhF_Trunk4_CCTV.dwg – CCTV-10A layout ~ last saved by: gburch 05/31/2022 11:10am ~ printed 06/02/2022 01:28pm PSLTS: 1 LTS: 1 CAS: 1:1



DETAIL - INT 2049 - BARTHMAN AVE & MARION RD AT PARSONS AVE

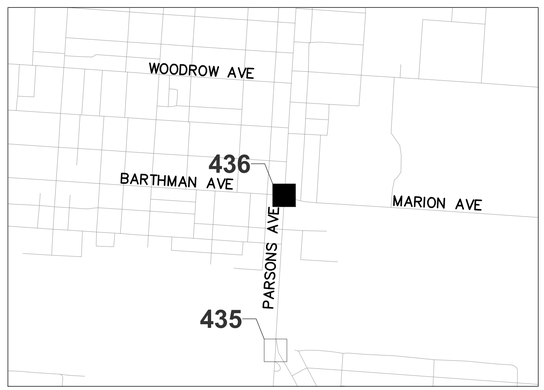
NOTES:

1. SEE SHEET 439 FOR QUANTITIES.
2. SEE SHEET 681 FOR COMMUNICATION DETAILS.
3. SEE SHEET 49 FOR CCTV MOUNTING DETAILS.
4. EXISTING CITY OF COLUMBUS DEPARTMENT OF LAW EASEMENT – INSTRUMENT #201705010057713

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CITY OF COLUMBUS UTILITY LEGEND

- ☐ SEWER
- ☐ WATER
- ☐ POWER
- ☐ LIGHTING



REFER TO SHEET 240 FOR INTERCONNECT SHEET INDEX

KEY PLAN
NOT TO SCALE

4 DRAFT REVISION 4.0

3676-E

HORIZONTAL SCALE IN FEET
0 20 40

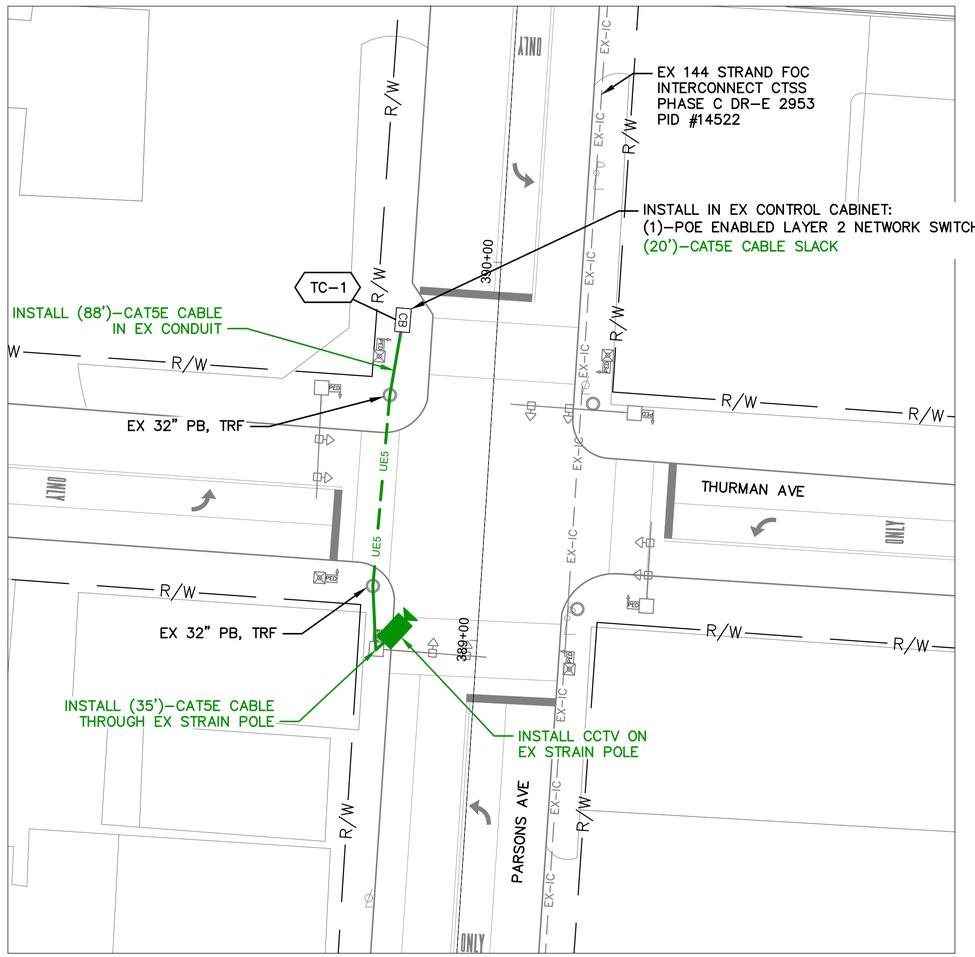
CIP: 540007-100060
PID NUMBER: 110521

CCTV PLAN
INT 2049 – BARTHMAN AVE & MARION RD AT PARSONS AVE

CITY OF COLUMBUS TRAFFIC SIGNAL SYSTEM
(CTSS) PHASE F – FINAL SUBMITTAL

436
768

\\colw00\PWWork\jobs\70202 – CTSS Phase F\TECHPROD\Sheets\CTSS_PhF_Trunk4_CCTV.dwg – CCTV-11 layout ~ last saved by: nseling 08/08/2023 09:49am ~ printed 08/11/2023 01:40pm PSLTS: 1 LTS: 1 CAS: 1:1



DETAIL - INT 2043 - PARSONS AVE AT THURMAN AVE

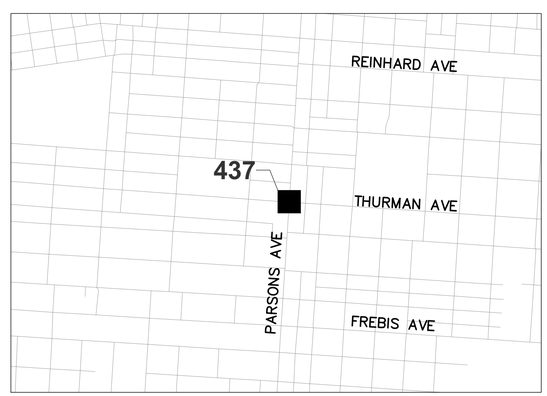
NOTES:

1. SEE SHEET 439 FOR QUANTITIES.
2. SEE SHEET 682 FOR COMMUNICATION DETAILS.
3. SEE SHEET 49 FOR CCTV MOUNTING DETAILS.

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CITY OF COLUMBUS UTILITY LEGEND

- ☐ SEWER
- ☐ WATER
- ☐ POWER
- ☐ LIGHTING



REFER TO SHEET 240 FOR INTERCONNECT SHEET INDEX

KEY PLAN
NOT TO SCALE

4 DRAFT REVISION 4.0

3676-E

HORIZONTAL SCALE IN FEET
0 20 40

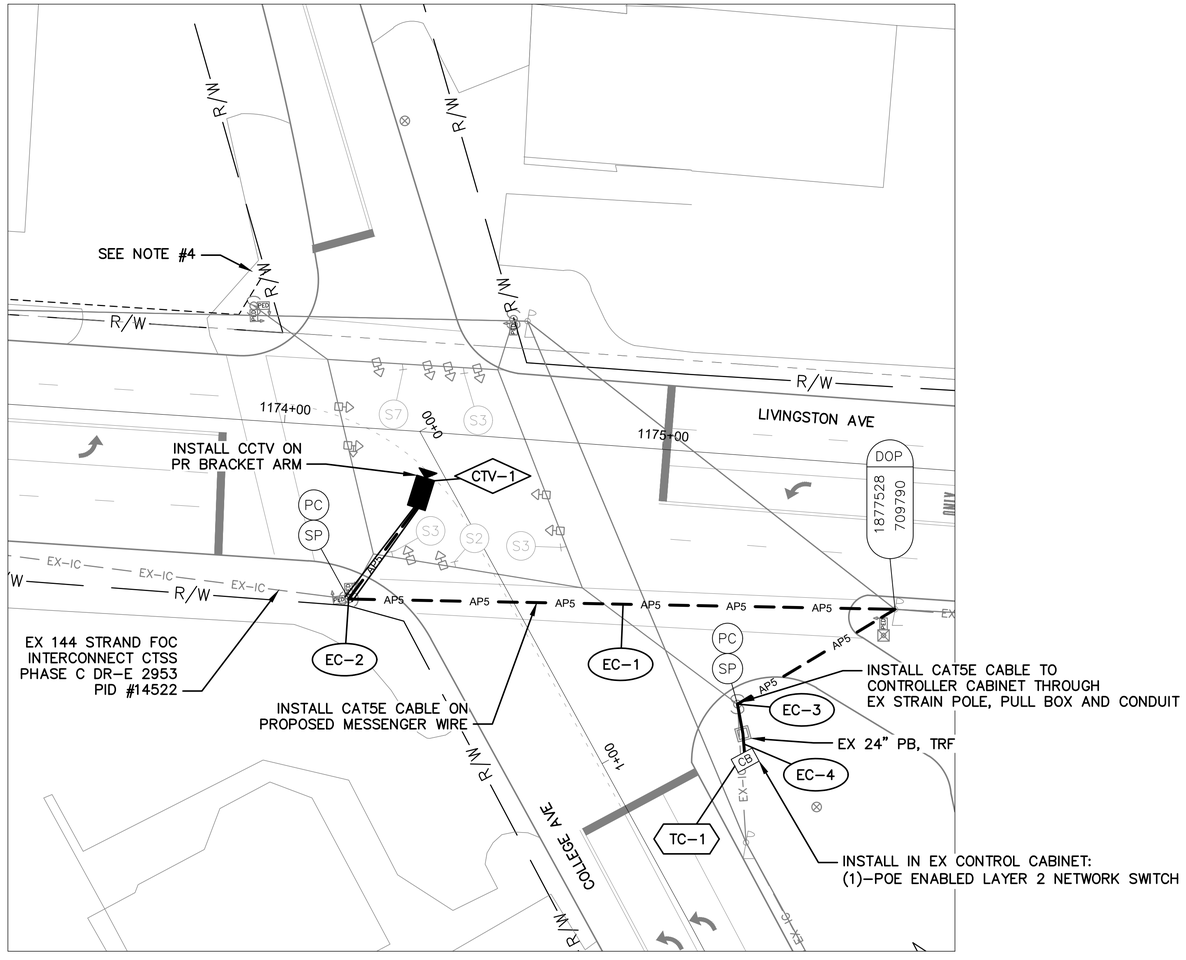
CIP: 540007-100060
PID NUMBER: 110521

CCTV PLAN
INT 2043 – PARSONS AVE AT THURMAN AVE

CITY OF COLUMBUS TRAFFIC SIGNAL SYSTEM
(CTSS) PHASE F – FINAL SUBMITTAL

437
768

\\colw001\PWWork\Jobs\70202 – CTSS Phase F\TECHPROD\Sheets\CTSS_PhF_Trunk4_CCTV.dwg – CCTV-11A layout ~ last saved by: nseling 08/08/2023 09:49am ~ printed 08/11/2023 01:41pm PSLTS: 1 LTS: 1 CAS: 1:1



DETAIL - INT 2018 - COLLEGE AVE AT LIVINGSTON AVE

NOTES:

1. SEE SHEET 439 FOR QUANTITIES.
2. SEE SHEET 683 FOR COMMUNICATION DETAILS.
3. SEE SHEET 49 FOR CCTV MOUNTING DETAILS.
4. EXISTING CITY OF COLUMBUS EMRO MARKETING CO. EASEMENT, INSTRUMENT #199705160001808.

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CITY OF COLUMBUS UTILITY LEGEND

- ☐ SEWER
- ☐ WATER
- ☐ POWER
- ☐ LIGHTING



REFER TO SHEET 238 FOR INTERCONNECT SHEET INDEX

KEY PLAN
NOT TO SCALE

3676-E

HORIZONTAL SCALE IN FEET
0 20 40

CIP: 540007-100060
PID NUMBER: 110521

CCTV PLAN
INT 2018 - COLLEGE AVE AT LIVINGSTON AVE

CITY OF COLUMBUS TRAFFIC SIGNAL SYSTEM
(CTSS) PHASE F - FINAL SUBMITTAL

438
768

J:\Jobs\70202 - CTSS Phase F\TECHPROD\Sheets\CTSS_PhF_Trunk4_CCTV.dwg - CCTV-12 layout ~ last saved by: gburch 05/31/2022 11:10am ~ printed 06/02/2022 01:30pm PSLTS: 1 LTS: 1 CAS: 1:1

ESTIMATED QUANTITIES

SHEET NO.	REFERENCE NO.	LOCATION	STATION		202	625	632	632	632	633														
					EXISTING CONDUIT CLEANED, AS PER PLAN	BRACKET ARM, 30', AS PER PLAN	INTERCONNECT, MISC.: CAT 5E CABLE, OUTDOOR RATED	MESSENGER WIRE, 7 STRAND, 1/4" DIAMETER WITH ACCESSORIES, AS PER PLAN	SIGNALIZATION, MISC.: CCTV IP-CAMERA SYSTEM	CONTROLLER ITEM, MISC.: POE ENABLED LAYER 2 ETHERNET SWITCH														
			FROM	TO	FT	EACH	FT	FT	EACH	EACH														
FIFTH AVE., INT 4086																								
433	CTV-1	FIFTH AVE	68+63, 31' RT						1															
433	EC-1	FIFTH AVE	68+63, 31' RT	70+02, 48' RT			175	175																
433	TC-1	FIFTH AVE	69+99, 55' RT				20			1														
433	EC-3	FIFTH AVE	69+99, 55' RT	70+02, 48' RT	8		8																	
433	EC-2	FIFTH AVE	70+02, 48' RT				35																	
PARSONS AVE., INT 2083																								
434	TC-1	PARSONS AVE	214+69, 34' LT						1	1														
434	CTV-1	PARSONS AVE	214+69, 34' LT				55																	
PARSONS AVE., INT 2051																								
435	EC-2	PARSONS AVE	316+24, 49' RT				35																	
435	EC-1	PARSONS AVE	316+24, 49' RT	316+47, 29' LT			81	81																
435	EC-3	PARSONS AVE	316+24, 49' RT	316+29, 48' RT	5		5																	
435	TC-1	PARSONS AVE	316+29, 48' RT				20			1														
435	CTV-1	PARSONS AVE	316+47, 29' LT						1															
PARSONS AVE., INT 2049																								
436	TC-1	PARSONS AVE	332+39, 58' RT				20			1														
436	EC-3	PARSONS AVE	332+39, 58' RT	333+34, 29' LT	181		181																	
436	CTV-1	PARSONS AVE	333+10, 11' RT						1															
436	EC-1	PARSONS AVE	333+10, 11' RT	333+34, 29' LT			30	30																
436	EC-2	PARSONS AVE	333+34, 29' LT			1	35																	
PARSONS AVE., INT 2043																								
437	EC-2	PARSONS AVE	388+96, 27' LT			1	35																	
437	EC-1	PARSONS AVE	388+96, 27' LT	389+18, 5' LT			30	30																
437	EC-3	PARSONS AVE	388+96, 27' LT	389+83, 25' LT	88		88																	
437	CTV-1	PARSONS AVE	389+18, 5' LT						1															
437	TC-1	PARSONS AVE	389+83, 25' LT				20			1														
LIVINGSTON AVE., INT 2018																								
438	EC-2	LIVINGSTON AVE	1174+20, 43' RT			1																		
438	CTV-1	LIVINGSTON AVE	1174+36, 20' RT						1															
438	EC-1	LIVINGSTON AVE	1174+36, 20' RT	1175+25, 66' RT			196	196																
438	EC-3	LIVINGSTON AVE	1175+25, 66' RT				35																	
438	EC-4	LIVINGSTON AVE	1175+25, 66' RT	1175+28, 80' RT	15		15																	
438	TC-1	LIVINGSTON AVE	1175+28, 80' RT				20			1														
SHEET TOTAL					297	3	1,139	512	6	6	-	-	-	-	-	-	-	-	-	-	-	-	-	-

AERIAL SAG: 1.5% AERIAL SAG IS INCLUDED IN THE QUANTITIES FOR ANY AERIAL FIBER OR CABLE ITEMS.

3676-E

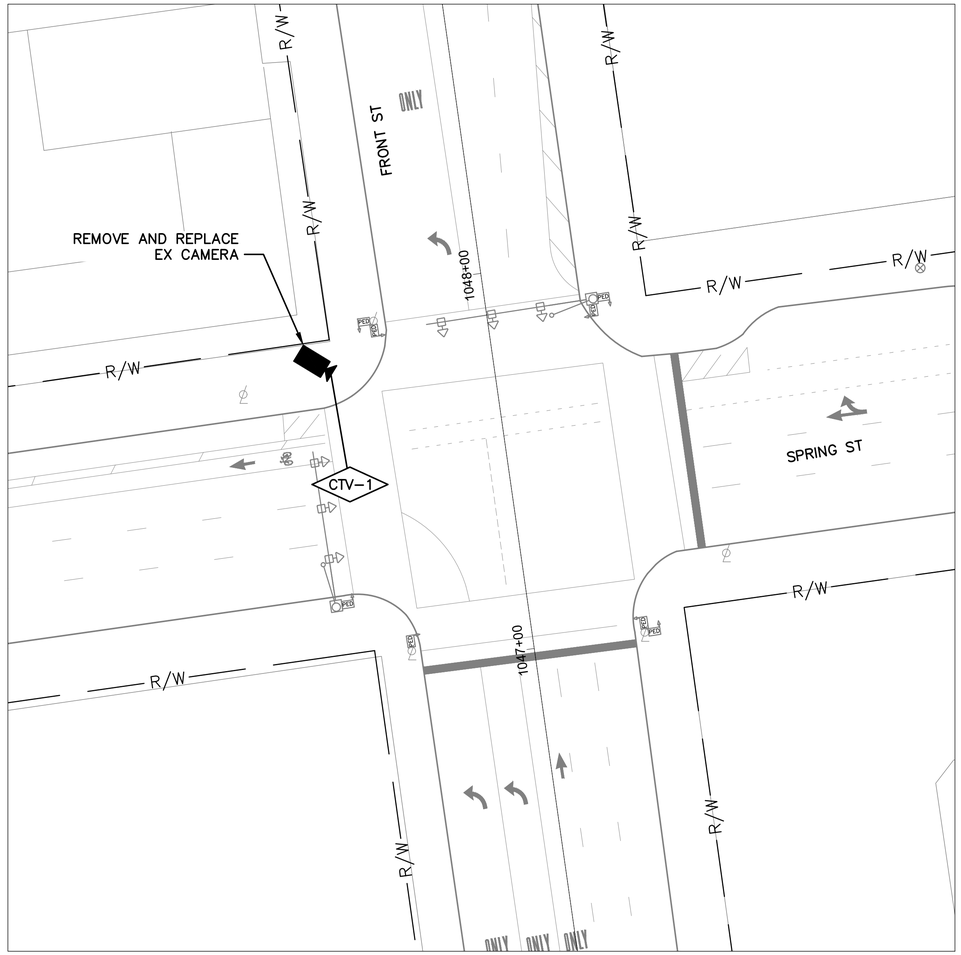
CIP: 540007–100060
PID NUMBER: 110521

CCTV INSTALLATION QUANTITIES – VARIOUS LOCATIONS

CITY OF COLUMBUS TRAFFIC SIGNAL SYSTEM
(CTSS) PHASE F – FINAL SUBMITTAL

439
768

J:\Jobs\70202 – CTSS Phase F\TECHPROD\Sheets\CTSS_PhF_Trunk4_CCTV_IC_QUANTITIES.dwg – CCTV Q3 layout ~ last saved by: gburch 05/31/2022 11:11am ~ printed 06/02/2022 02:37pm PSLTS: 1 LTS: 1 CAS: 1:1



DETAIL - INT 0014 - FRONT ST AT SPRING ST

NOTES:

1. SEE SHEET 445 FOR QUANTITIES.
2. SEE SHEET 686 FOR COMMUNICATION DETAILS.
3. REUSE EXISTING CCTV MOUNTING HARDWARE.

OHIO Utilities Protection SERVICE
Call Before You Dig
800-362-2764 or 8-1-1
www.oups.org

CITY OF COLUMBUS UTILITY LEGEND

- ☐ SEWER
- ☐ WATER
- ☐ POWER
- ☐ LIGHTING



REFER TO SHEET 238 FOR INTERCONNECT SHEET INDEX

KEY PLAN
NOT TO SCALE

△2 REVISION 2.0

3676-E

HORIZONTAL SCALE IN FEET
0 20 40

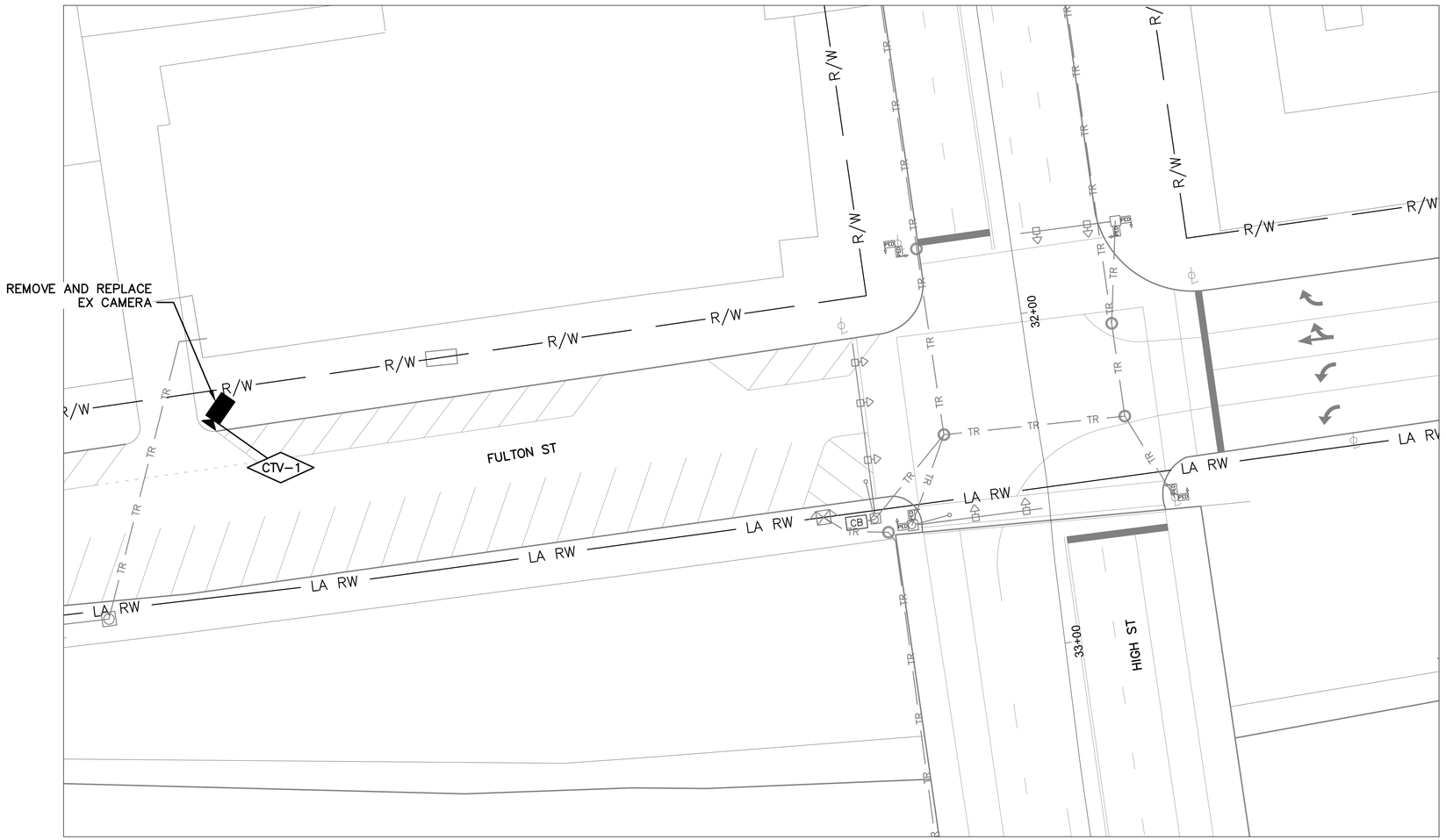
CIP: 540007-100060
PID NUMBER: 110521

CCTV PLAN
INT 0014 – FRONT ST AT SPRING ST

CITY OF COLUMBUS TRAFFIC SIGNAL SYSTEM
(CTSS) PHASE F – FINAL SUBMITTAL

440
768

J:\Jobs\70202 - CTSS Phase F\TECHPROD\Sheets\CTSS_PhF_Trunk3_CCTV.dwg ~ CCTV-13 layout ~ last saved by: gburch 05/31/2022 11:10am ~ printed 06/02/2022 01:32pm PSLTS: 1 LTS: 1 CAS: 1:1



DETAIL - INT 0087 - FULTON ST AT HIGH ST

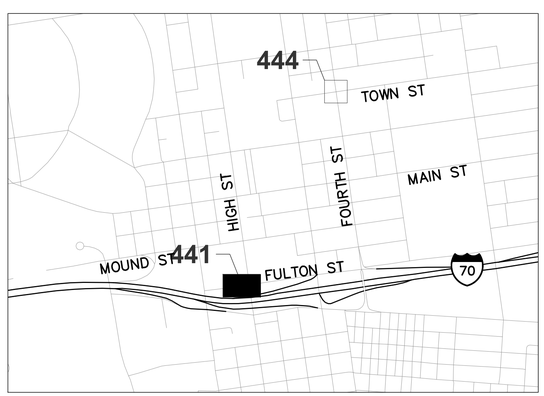
NOTES:

1. SEE SHEET 445 FOR QUANTITIES.
2. SEE SHEET 687 FOR COMMUNICATION DETAILS.
3. REUSE EXISTING CCTV MOUNTING HARDWARE.
4. EXISTING CAMERA TIES INTO INT 0082 – FULTON ST AT MOUND ST

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CITY OF COLUMBUS UTILITY LEGEND

- ☐ SEWER
- ☐ WATER
- ☐ POWER
- ☐ LIGHTING



REFER TO SHEET 238 FOR INTERCONNECT SHEET INDEX

KEY PLAN
NOT TO SCALE

3676-E

HORIZONTAL SCALE IN FEET
0 20 40

CIP: 540007-100060
PID NUMBER: 110521

CCTV PLAN
INT 0087 – FULTON ST AT HIGH ST

CITY OF COLUMBUS TRAFFIC SIGNAL SYSTEM
(CTSS) PHASE F – FINAL SUBMITTAL

441
768

J:\Jobs\70202 – CTSS Phase F\TECHPROD\Sheets\CTSS_PhF_Trunk3_CCTV.dwg – CCTV-14 layout ~ last saved by: gburch 05/31/2022 11:10am ~ printed 06/02/2022 01:33pm PSLTS: 1 LTS: 1 CAS: 1:1



DETAIL - INT 0041 - BROAD ST AT THIRD ST

NOTES:

1. SEE SHEET 445 FOR QUANTITIES.
2. SEE SHEET 688 FOR COMMUNICATION DETAILS.
3. REUSE EXISTING CCTV MOUNTING HARDWARE.

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CITY OF COLUMBUS UTILITY LEGEND

- ☐ SEWER
- ☐ WATER
- ☐ POWER
- ☐ LIGHTING

2 REVISION 2.0



REFER TO SHEET 238 FOR INTERCONNECT SHEET INDEX

KEY PLAN
NOT TO SCALE

3676-E

HORIZONTAL SCALE IN FEET
0 20 40

CIP: 540007-100060
PID NUMBER: 110521

CCTV PLAN
INT 0041 – BROAD ST AT THIRD ST

CITY OF COLUMBUS TRAFFIC SIGNAL SYSTEM
(CTSS) PHASE F – FINAL SUBMITTAL

442
768

J:\Jobs\70202 – CTSS Phase F\TECHPROD\Sheets\CTSS_PhF_Trunk3_CCTV.dwg – CCTV-15 layout ~ last saved by: gburch 05/31/2022 11:10am ~ printed 06/02/2022 01:34pm PSLTS: 1 LTS: 1 CAS: 1:1



DETAIL - INT 0026 - FOURTH ST AT LONG ST

NOTES:

1. SEE SHEET 445 FOR QUANTITIES.
2. SEE SHEET 689 FOR COMMUNICATION DETAILS.
3. REUSE EXISTING CCTV MOUNTING HARDWARE.

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CITY OF COLUMBUS UTILITY LEGEND

- ☐ SEWER
- ☐ WATER
- ☐ POWER
- ☐ LIGHTING



REFER TO SHEET 238 FOR INTERCONNECT SHEET INDEX

KEY PLAN
NOT TO SCALE

3676-E

HORIZONTAL SCALE IN FEET
0 20 40

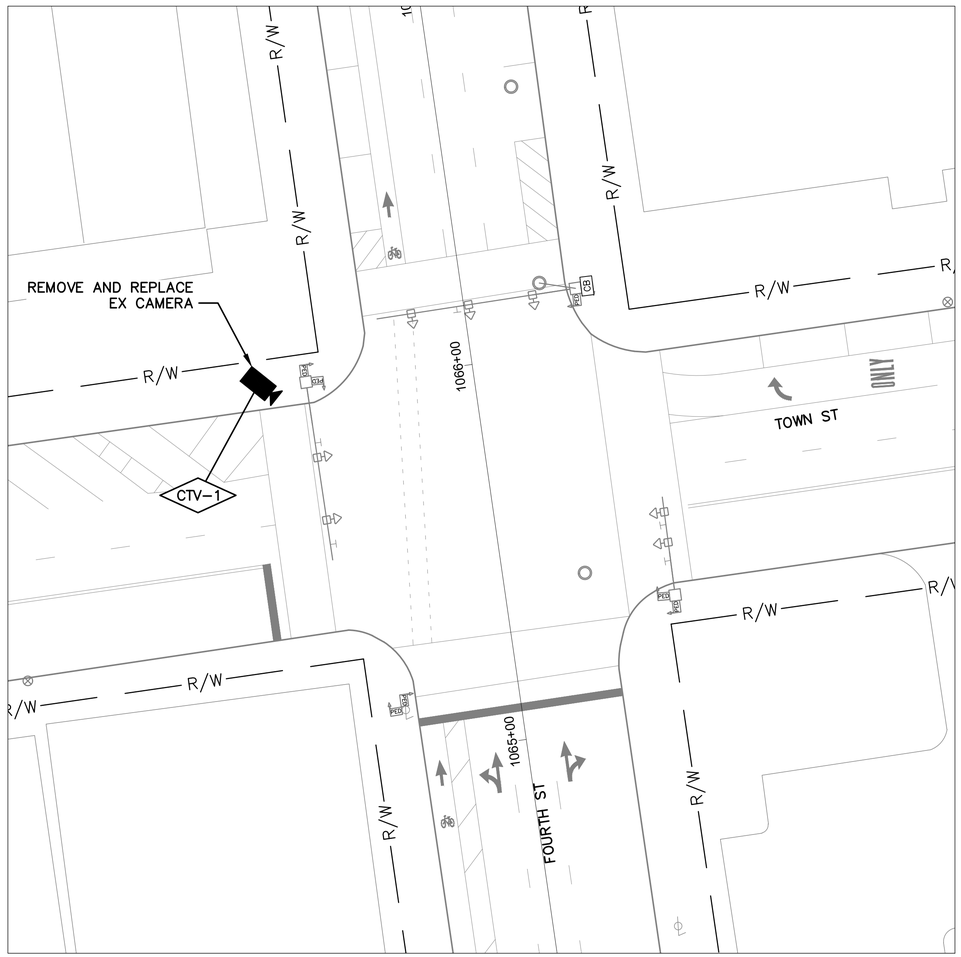
CIP: 540007-100060
PID NUMBER: 110521

CCTV PLAN
INT 0026 – FOURTH ST AT LONG ST

CITY OF COLUMBUS TRAFFIC SIGNAL SYSTEM
(CTSS) PHASE F – FINAL SUBMITTAL

443
768

J:\Jobs\70202 – CTSS Phase F\TECHPROD\Sheets\CTSS_PhF_Trunk3_CCTV.dwg – CCTV-16 layout ~ last saved by: gburch 05/31/2022 11:10am ~ printed 06/02/2022 01:35pm PSLTS: 1 LTS: 1 CAS: 1:1



DETAIL - INT 0064 - FOURTH ST AT TOWN ST

NOTES:

1. SEE SHEET 445 FOR QUANTITIES.
2. SEE SHEET 690 FOR COMMUNICATION DETAILS.
3. REUSE EXISTING CCTV MOUNTING HARDWARE.

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CITY OF COLUMBUS UTILITY LEGEND

- ☐ SEWER
- ☐ WATER
- ☐ POWER
- ☐ LIGHTING



REFER TO SHEET 238 FOR INTERCONNECT SHEET INDEX

KEY PLAN
NOT TO SCALE

3676-E

HORIZONTAL SCALE IN FEET
0 20 40

CIP: 540007-100060
PID NUMBER: 110521

CCTV PLAN
INT 0064 – FOURTH ST AT TOWN ST

CITY OF COLUMBUS TRAFFIC SIGNAL SYSTEM
(CTSS) PHASE F – FINAL SUBMITTAL

444
768

J:\Jobs\70202 – CTSS Phase F\TECHPROD\Sheets\CTSS_PhF_Trunk3_CCTV.dwg – CCTV-17 layout ~ last saved by: gburch 05/31/2022 11:10am ~ printed 06/02/2022 01:36pm PSLTS: 1 LTS: 1 CAS: 1:1

ESTIMATED QUANTITIES

SHEET NO.	REFERENCE NO.	LOCATION	STATION FROM	STATION TO	632 SIGNALIZATION, MISC.: CCTV IP-CAMERA SYSTEM EACH
FRONT ST., INT 0014					
#N/A	CTV-1	FRONT ST	1047+86, 51' LT		1
HIGH ST., INT 0087					
441	CTV-1	HIGH ST	32+13, 63' LT		1
BROAD ST., INT 0041					
#N/A	CTV-1	BROAD ST	692+68, 62' LT		1
FOURTH ST., INT 0026					
443	CTV-1	FOURTH ST	1087+82, 40' LT		1
FOURTH ST., INT 0064					
444	CTV-1	FOURTH ST	1066+06, 59' LT		1
SHEET TOTAL					5

AERIAL SAG: 1.5% AERIAL SAG IS INCLUDED IN THE QUANTITIES FOR ANY AERIAL FIBER OR CABLE ITEMS.

2 REVISION 2.0

3676-E

CIP: 540007–100060
PID NUMBER: 110521

CCTV INSTALLATION QUANTITIES – VARIOUS LOCATIONS

CITY OF COLUMBUS TRAFFIC SIGNAL SYSTEM
(CTSS) PHASE F – FINAL SUBMITTAL

445
768

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ESTIMATED QUANTITIES

	REFERENCE NO.	LOCATION	STATION		632	632	632	632	633	633	633													
					INTERCONNECT CABLE, MISC.: FIBER OPTIC FUSION SPLICE	INTERCONNECT, MISC.: PRE-TERMINATED FIBER OPTIC DROP CABLE, 144 STRAND, 150FT	INTERCONNECT, MISC.: SPLICE ENCLOSURE, DOME, 288 SPLICE	INTERCONNECT, MISC.: TERMINATION PANEL, 144 FIBER, 4 RU	CONTROLLER ITEM, MISC.: FIBER OPTIC ETHERNET TRANSCEIVER, LONG RANGE	CONTROLLER ITEM, MISC.: FIBER OPTIC ETHERNET TRANSCEIVER, SHORT RANGE	CONTROLLER ITEM, MISC.: LAYER 3 ETHERNET SWITCH, ENVIRONMENTALLY HARDENED													
			FROM	TO	EACH	EACH	EACH	EACH	EACH	EACH	EACH													
I-270 AT I-71, NODE #270025.9																								
694	CN-1	I-270							1															
I-270 AT MORSE RD., NODE #270032.2																								
705	CN-1	I-71								1														
I-670 AT LEONARD AVE., NODE #670006.5																								
714	CN-1	I-670								1														
SR-315 AT US-33/DUBLIN RD., NODE #315001.3																								
731	CN-1	US-33			144	2	1	2		2	1													
TMC COMMUNICATIONS HUB - 77 N FRONT																								
735	CN-1	FRONT ST			144	2		2		2														
I-270 AT HARRISBURG PIKE, NODE #270002.1																								
739	CN-1	I-270								1														
I-270 AT I-71, NODE #270055.0																								
740	CN-1	I-270								1														
SHEET TOTAL					288	4	1	4	1	8	1	-	-	-	-	-	-	-	-	-	-	-	-	-

AERIAL SAG: 1.5% AERIAL SAG IS INCLUDED IN THE QUANTITIES FOR ANY AERIAL FIBER OR CABLE ITEMS.

3676-E

CIP: 540007-100060
PID NUMBER: 110521

ASSORTED NODE QUANTITIES

CITY OF COLUMBUS TRAFFIC SIGNAL SYSTEM
(CTSS) PHASE F – FINAL SUBMITTAL

446
768

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CITY OF COLUMBUS, OHIO
DEPARTMENT OF PUBLIC SERVICE
DIVISION OF DESIGN AND CONSTRUCTION

CITY OF COLUMBUS
TRAFFIC SIGNAL SYSTEM
(CTSS) PHASE F

FRA-COLUMBUS TRAFFIC SIGNAL SYSTEM-PHASE F

VOLUME 3 OF 3



LOCATION MAP

– PROJECT AREA

SCALE IN MILES

0 2 4 8

STUDY AREA
SEE SHEET 2 OF 768

VOL. 1 – INTERCONNECT SHEETS 1 TO 226
VOL. 2 – INTERCONNECT SHEETS 227 TO 446
VOL. 3 – COMMUNICATIONS SHEETS 447 TO 768

INDEX OF VOLUME 3 SHEETS

TITLE SHEET 447
COMMUNICATION LAYOUT – METRO AREA 448-449
COMMUNICATION NOTES 450
LAYER 2 COMMUNICATIONS NETWORK 451-481
INTERSECTION COMMUNICATION DIAGRAMS 482-690
COMMUNICATION NODE DIAGRAMS 691-747
RIGHT-OF-WAY PLANS 748-768

3676-E

FEDERAL PROJECT NUMBER E080(964)

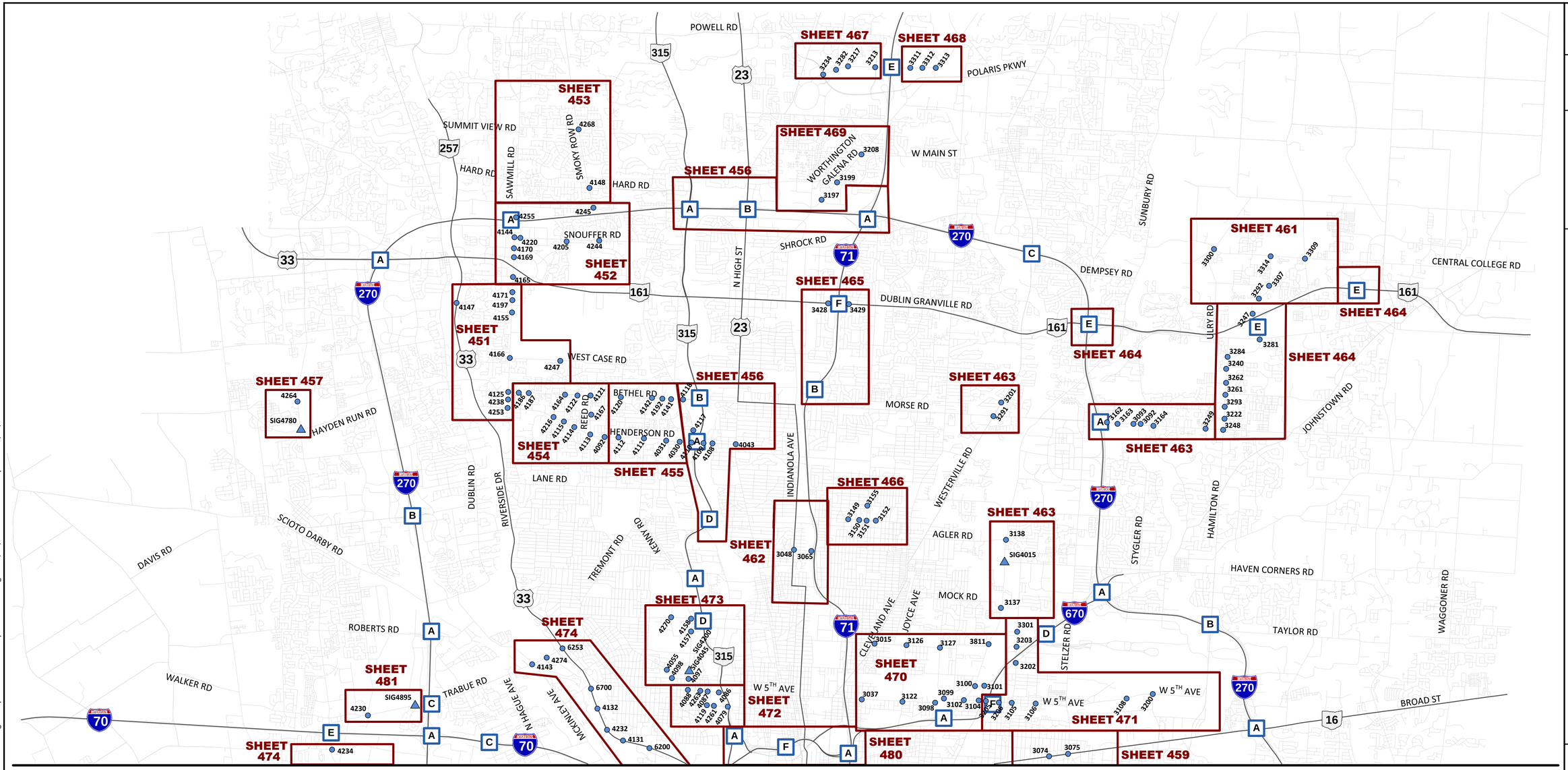
CIP: 540007-100060
PID NUMBER: 110521

TITLE SHEET
VOLUME 3 OF 3

CITY OF COLUMBUS TRAFFIC SIGNAL SYSTEM
(CTSS) PHASE F – FINAL SUBMITTAL

447
768

J:\Jobs\70202 – CTSS Phase F\TECHPROD\Sheets\CTSS_PhF_Title.dwg – Title (VOL III) layout ~ last saved by: gburch 06/01/2022 04:35pm ~ printed 06/02/2022 03:02pm PSLTS: 1 LTS: 1 CAS: 1" = 1"



Legend

- Sheet Layout
- Columbus Signal
- ODOT Signal
- Franklin County Signal
- A CTSS Node – Phase A
- B CTSS Node – Phase B
- C CTSS Node – Phase C
- D CTSS Node – Phase D
- E CTSS Node – Phase E
- F CTSS Node – Phase F

NOT TO SCALE

CIP: 540007 - 100060
PID NUMBER: 110521

COMMUNICATION SHEETS LAYOUT (1 OF 2)

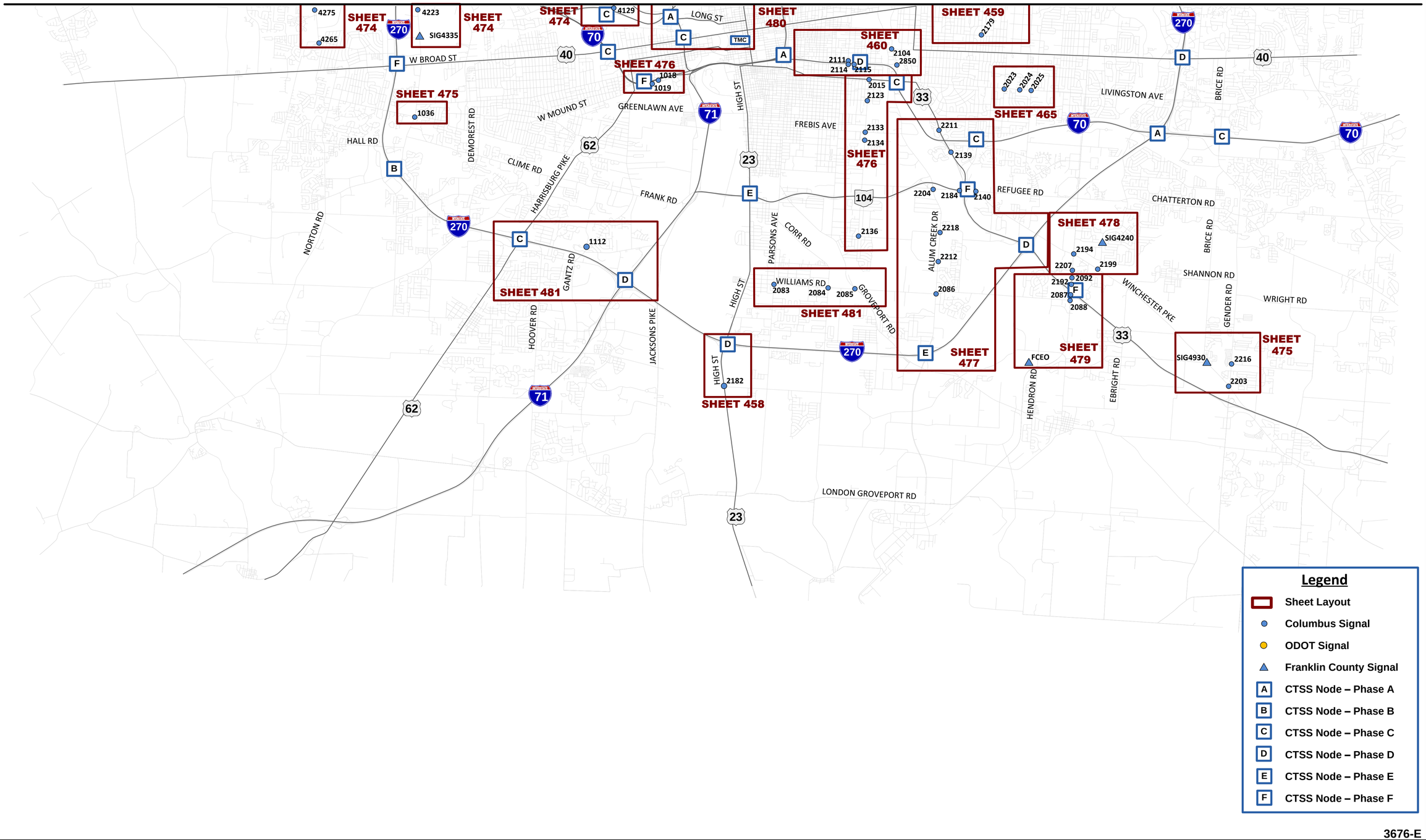
CITY OF COLUMBUS TRAFFIC SIGNAL SYSTEM
(CTSS) PHASE F – FINAL SUBMITTAL

448
768

3676-E

\\colw00\pmwork\Jobs\70202 - CTSS Phase F\TECHPROD\Communications\comm_details.vsd - Page-1 layout ~ last saved by: Sai Geetha Koganti 5/31/2022 2:15:08 PM ~ printed: 5/31/2022 2:15:08 PM

MATCHLINE A – SEE SHEET 448



Legend

- Sheet Layout
- Columbus Signal
- ODOT Signal
- Franklin County Signal
- A CTSS Node – Phase A
- B CTSS Node – Phase B
- C CTSS Node – Phase C
- D CTSS Node – Phase D
- E CTSS Node – Phase E
- F CTSS Node – Phase F

3676-E

NOT TO SCALE

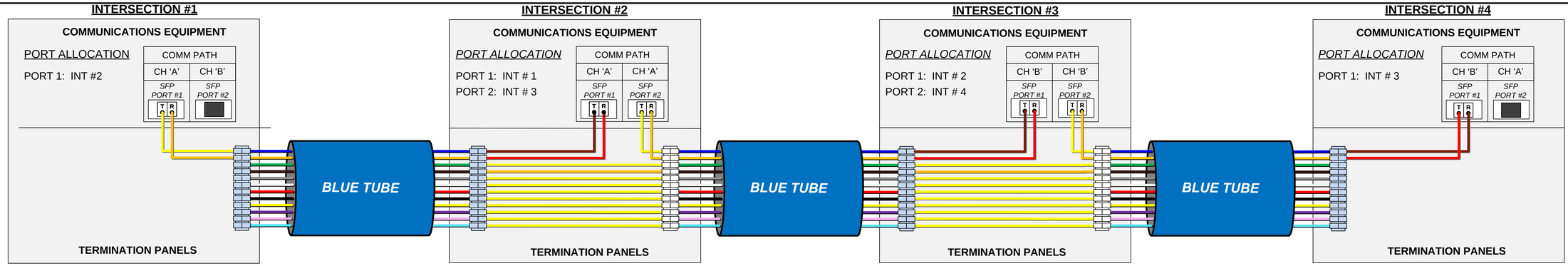
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PID NUMBER: 110521

COMMUNICATION SHEETS LAYOUT (2 OF 2)

CITY OF COLUMBUS TRAFFIC SIGNAL SYSTEM
(CTSS) PHASE F – FINAL SUBMITTAL

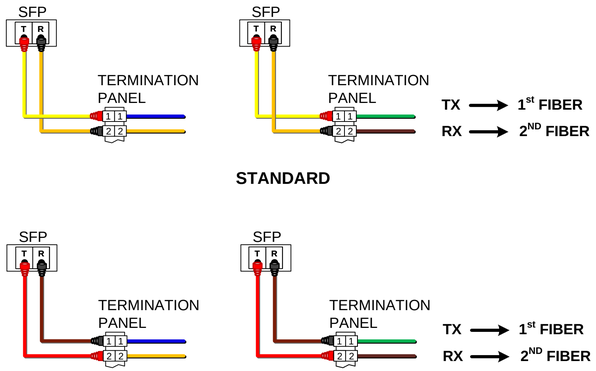
449
768

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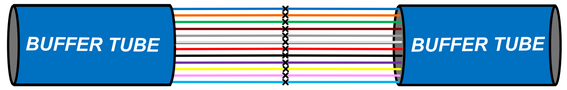


DUAL CHANNEL FIBER OPTIC COMMUNICATIONS PATH DIAGRAM

PATCH CABLES [1,2]



FIBER OPTIC BUFFER TUBES



SPLICES[5]

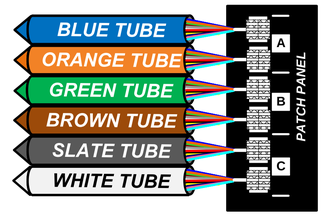
PROPOSED

EXISTING

FIBER BUFFER TUBES (COLORS WILL VARY)

PROPOSED (FIBERS 1-144)
PROPOSED (FIBERS 145-288)
EXISTING (FIBERS 1-144)
EXISTING (FIBERS 145-288)
FILLING ELEMENT

FIBER OPTIC BUFFER TUBES



PATCH PANEL

PATCH PANEL LABELS | A |

LEGEND

- FIBER PATCH CABLES T/R STANDARD
- FIBER PATCH CABLES R/T CROSSOVER
- EXISTING FIBER PATCH CABLES
- CAT 5E CABLE
- TERMINATION PANEL UPC (Blue)/APC (Green)
- EXISTING/PROPOSED FIBER OR BUFFER TUBE LEFT COILED IN SPLICE ENCLOSURE
- FUSION SPLICE – 6 FIBERS/ SINGLE FIBER
- FUSION SPLICE – 12 FIBER BUFFER TUBE
- EXISTING FUSION SPLICE – 12 FIBER BUFFER TUBE
- INTERSECTION LOCATION
- GBIC OPTICAL TRANSCEIVER LH - SHORT HAUL LED ZX – LONG HAUL LASER
- SFP/COPPER/CAT5/5E/6 CONNECTOR
- COPPER/CAT5/5E/6 CONNECTOR
- 144 STRAND SMF
- 288 STRAND SMF

NOTES

1. CROSSOVER CABLES ON PLANS ARE SHOWN AS RED IN COLOR FOR PURPOSE OF CLARITY. ACTUAL CROSSOVER PATCH CABLES ARE NOT DIFFERENT IN COLOR.
2. PATCH CABLES TO BE OF DUPLEX CONSTRUCTION WITH RED AND BLACK CONNECTORS DIFFERENTIATING FIBERS.
3. COMMUNICATIONS PATH DESTINATIONS DEPICTED BY PORT ALLOCATION TABLES ARE LOGICAL AND MAY NOT BE IDENTICAL TO THE DESTINATION OF THE PHYSICAL FIBER OPTIC CABLE.
4. THE ENGINEER SHALL APPROVE FINAL LOCATION OF EACH NODE THAT CONTRACTOR PROPOSES AND RESERVES THE RIGHT TO RELOCATE THEM AT THEIR DISCRETION BASED ON ACTUAL FIELD CONDITIONS.
5. SPLICE INDIVIDUAL FIBERS FROM FIRST BUFFER TUBE THROUGH TO CORRESPONDING COLOR FIBERS OF SECOND BUFFER TUBE
6. MATCHLINE SHOWS CONTINUATION OF WORK WITHIN CURRENT PHASE. BREAKLINE SHOWS CONTINUATION OF WORK COMPLETED IN PREVIOUS PHASES.

FIBER OPTIC SPLICE ENCLOSURE

8P8C CONNECTOR

RF CONNECTOR

WIRELESS RADIO

EXISTING WIRELESS RADIO

PROPOSED PTZ TRAFFIC SURVEILLENCE CAMERA — PROPOSED CCTV

EXISTING TRAFFIC SURVEILLENCE CAMERA — EXISTING CCTV

EXISTING FIBER OPTIC CABLE — SMF CABLE

PROPOSED FIBER OPTIC CABLE — SMF CABLE

EXISTING SWITCH — EXISTING LAYER 2 ETHERNET SWITCH, Ports 1 2 3 4 5 6 7 8

PROPOSED SWITCH — LAYER 2 ETHERNET SWITCH, 1 2 7 8 9 10 11

CIP: 540007 - 100060
PID NUMBER: 110521

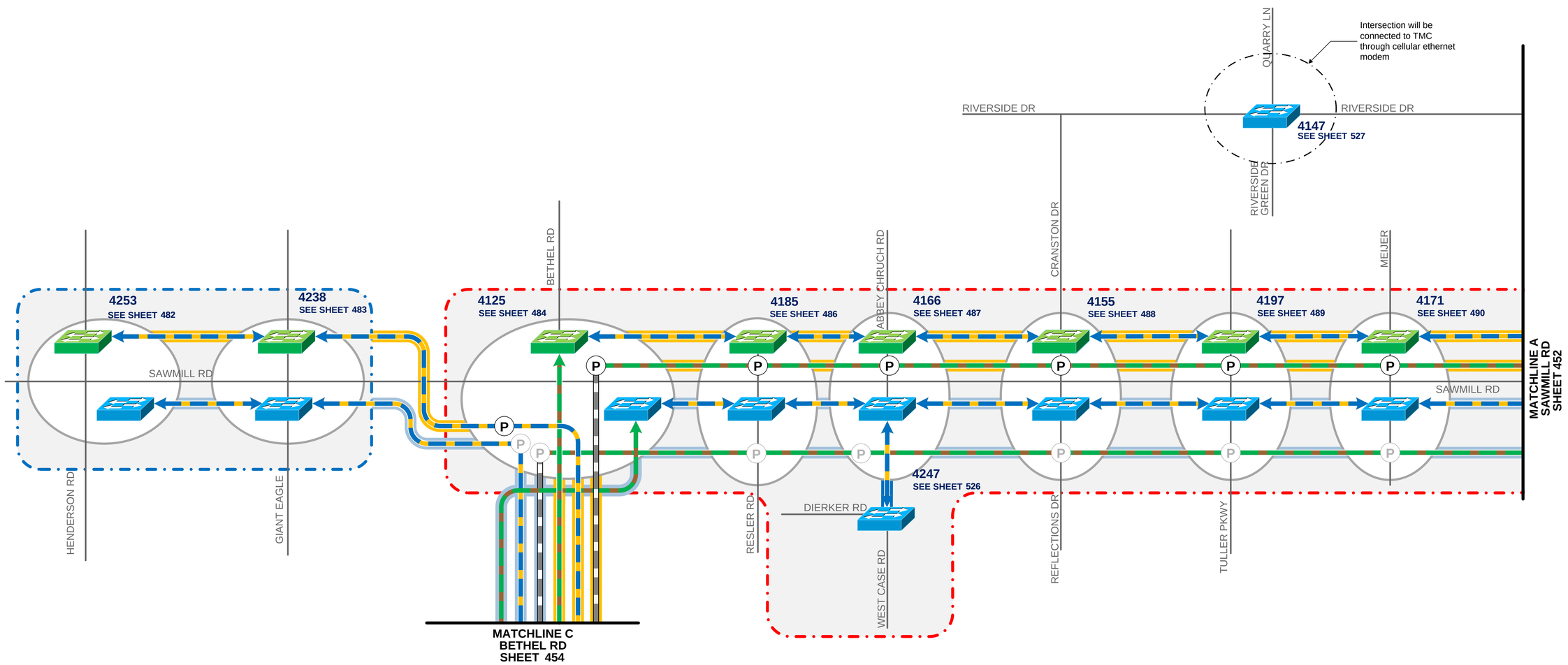
COMMUNICATION NOTES

CITY OF COLUMBUS TRAFFIC SIGNAL SYSTEM
(CTSS) PHASE F – FINAL SUBMITTAL

450
768

3676-E

\\colw00\pmwork\Jobs\70202 - CTSS Phase F\TECHPROD\Communications\Comm Notes.vsd - Comm Notes layout ~ last saved by: Sai Geetha Koganti 5/31/2022 2:18:43 PM ~ printed: 5/31/2022 2:18:43 PM



LEGEND

Proposed Network Connection

- Outer Line Color Indicates Buffer Tube Used
- Inner Line Colors Indicate Fibers Used
- Layer 2 Ethernet Switch (CTSS)
- Layer 2 Ethernet Switch (CVE)
- Splice Enclosure
- CAT5E Cable

Proposed Fiber Optic Cable

- Fiber Optic Cable
- 288 Strand Cable
- Primary Wireless Link

Existing Network Connection

- Outer Line Color Indicates Buffer Tube Used
- Inner Line Colors Indicate Fibers Used

Existing Fiber Optic Cable

- 288 Strand Cable
- 144 Strand Cable
- Existing Wireless Link
- Existing Patch at Intersection
- Patch at Intersection

NOT TO SCALE

CIP: 540007 - 100060
PID NUMBER: 110521

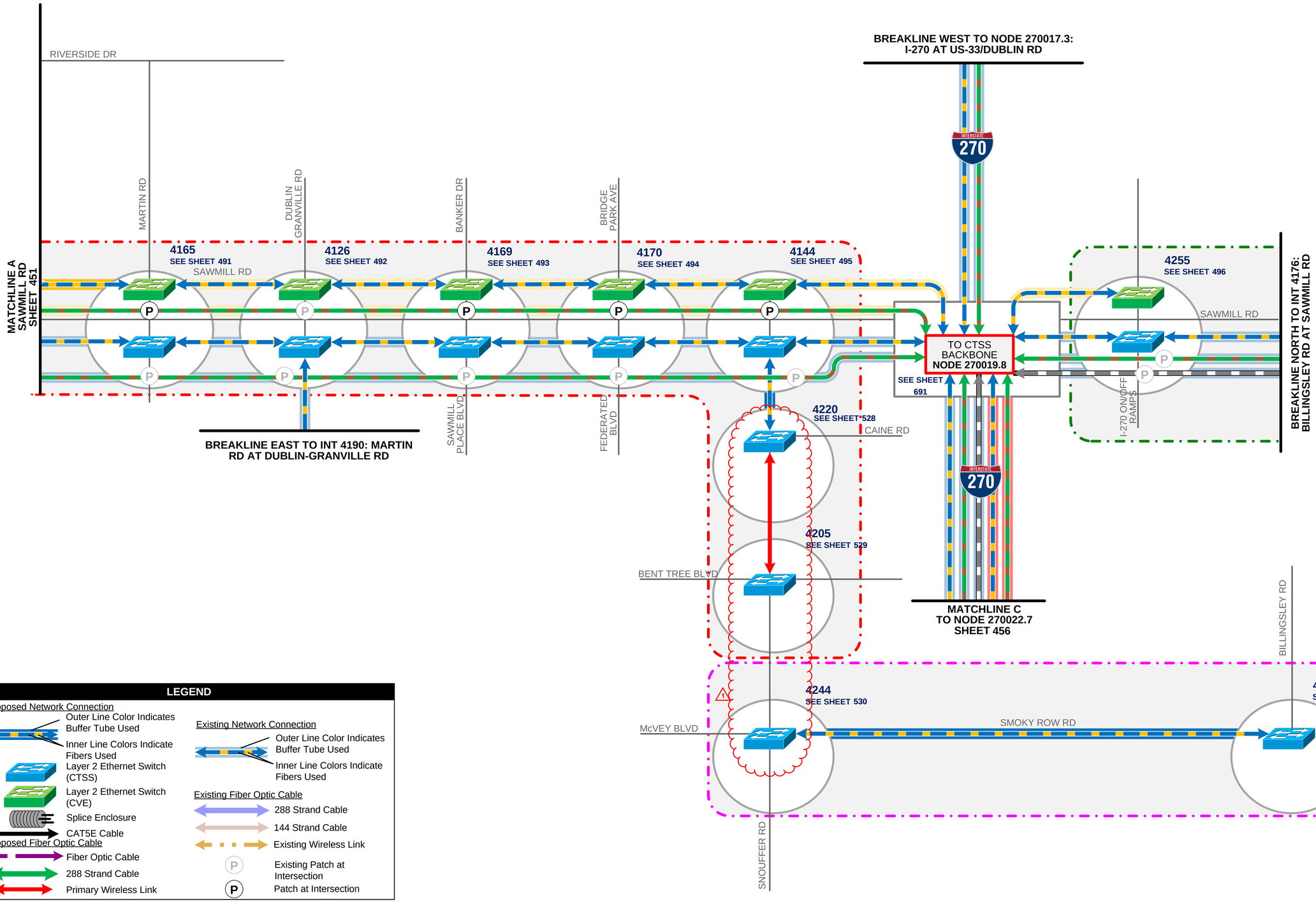
SAWMILL RD

CITY OF COLUMBUS TRAFFIC SIGNAL SYSTEM
(CTSS) PHASE F – FINAL SUBMITTAL

451
768

3676-E

\\colw00\pmwork\Jobs\70202 - CTSS Phase F\TECHPROD\Communications\CTSS Phase F Communications_Layer2.vsd - Sawmill Rd -1 layout ~ last saved by: Sai Geetha Koganti 6/1/2022 11:36:51 AM ~ printed: 6/1/2022 11:36:51 AM



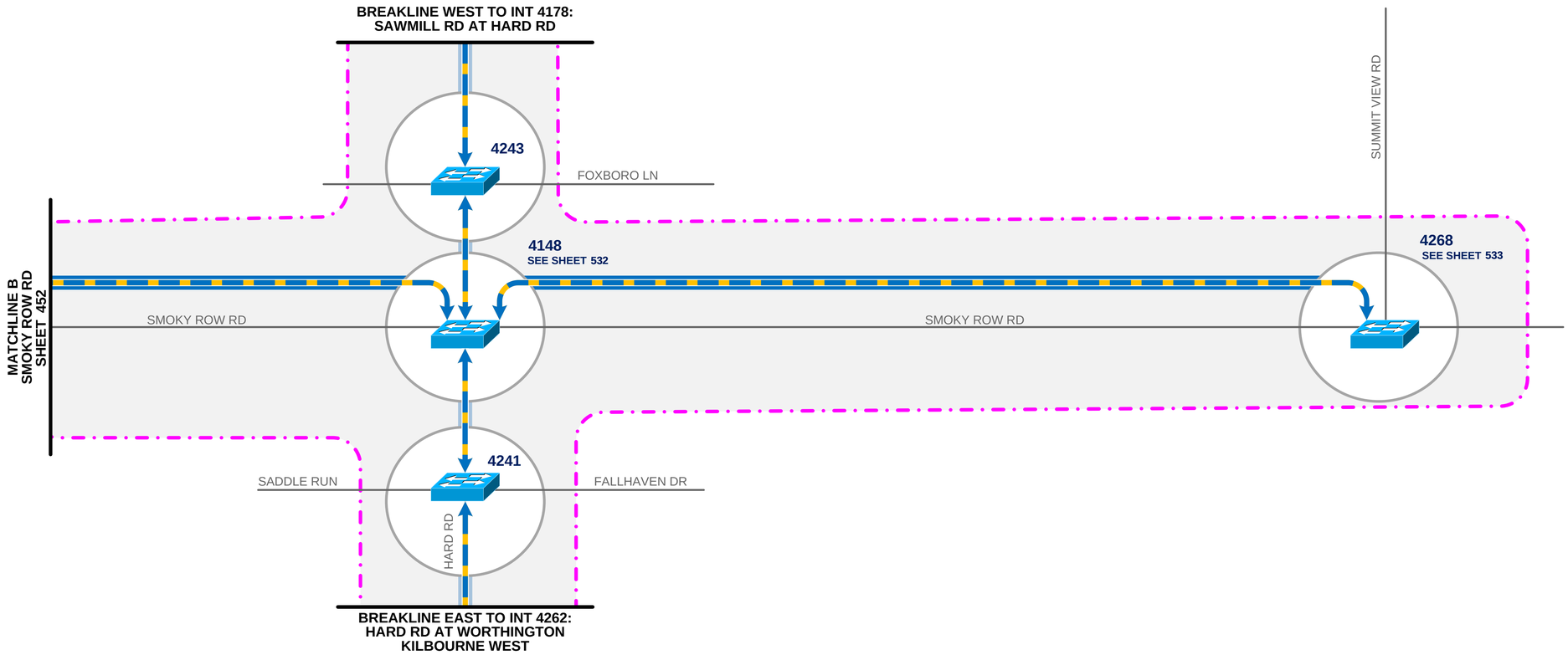
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NOT TO SCALE

CIP: 540007 - 100060
PID NUMBER: 110521

SAWMILL RD

CITY OF COLUMBUS TRAFFIC SIGNAL SYSTEM
(CTSS) PHASE F – FINAL SUBMITTAL



LEGEND

Proposed Network Connection
- Outer Line Color Indicates Buffer Tube Used
- Inner Line Colors Indicate Fibers Used
- Layer 2 Ethernet Switch (CTSS)
- Layer 2 Ethernet Switch (CVE)
- Splice Enclosure
- CAT5E Cable

Proposed Fiber Optic Cable
- Fiber Optic Cable
- 288 Strand Cable
- Primary Wireless Link

Existing Network Connection
- Outer Line Color Indicates Buffer Tube Used
- Inner Line Colors Indicate Fibers Used

Existing Fiber Optic Cable
- 288 Strand Cable
- 144 Strand Cable
- Existing Wireless Link
- Existing Patch at Intersection
- Patch at Intersection

3676-E

NOT TO SCALE

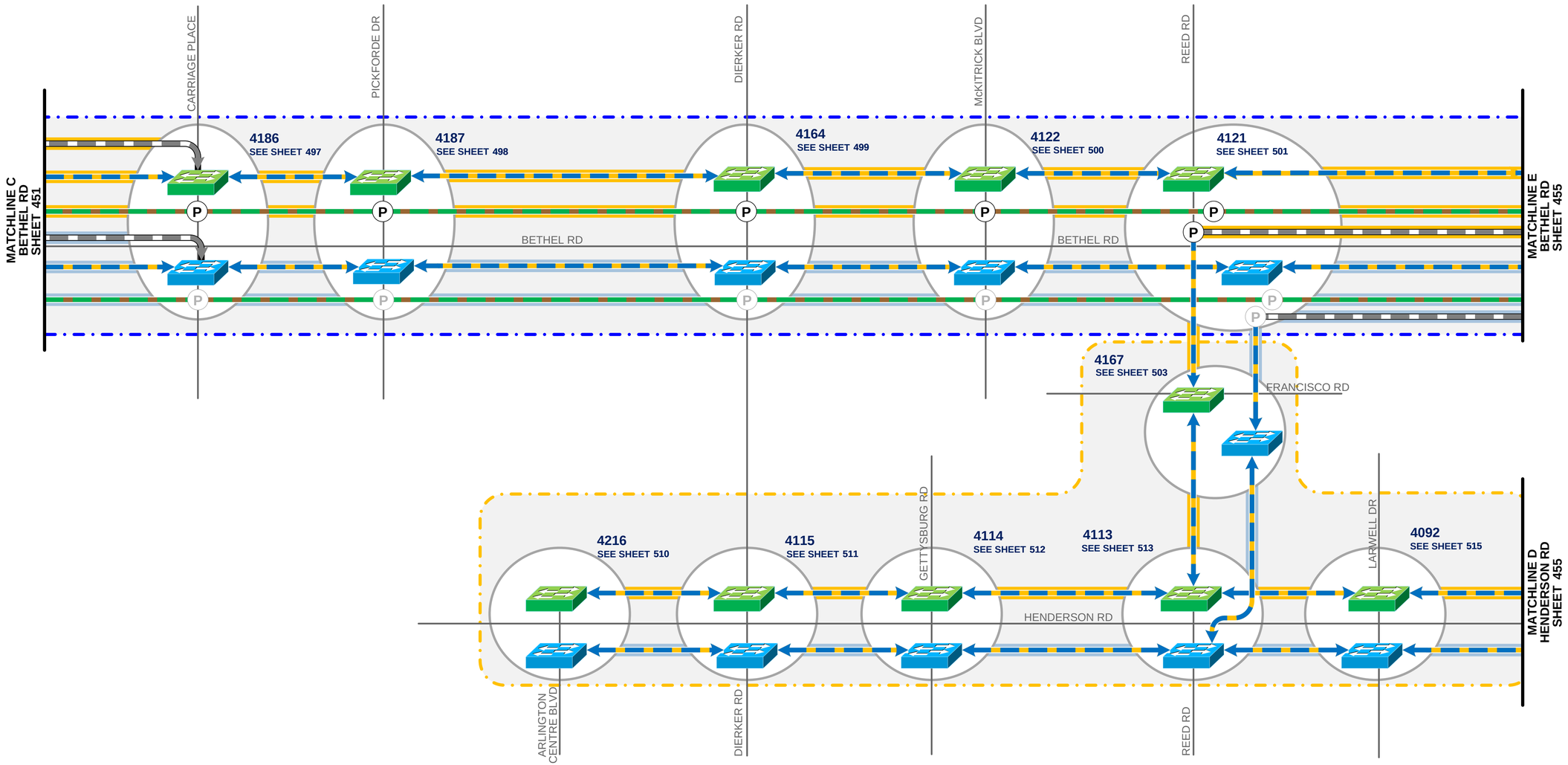
CIP: 540007 - 100060
PID NUMBER: 110521

SMOKY ROW RD

CITY OF COLUMBUS TRAFFIC SIGNAL SYSTEM
(CTSS) PHASE F – FINAL SUBMITTAL

453
768

\\colw00\pmwork\Jobs\170202 - CTSS Phase F\TECHPROD\Communications\CTSS Phase F Communications_Layer2.vsd - Smoky Row Rd layout ~ last saved by: Sai Geetha Koganti 6/1/2022 11:36:51 AM ~ printed: 6/1/2022 11:36:51 AM



LEGEND

Proposed Network Connection
- Outer Line Color Indicates Buffer Tube Used
- Inner Line Colors Indicate Fibers Used
- Layer 2 Ethernet Switch (CTSS)
- Layer 2 Ethernet Switch (CVE)
- Splice Enclosure
- CAT5E Cable

Proposed Fiber Optic Cable
- Fiber Optic Cable
- 288 Strand Cable
- Primary Wireless Link

Existing Network Connection
- Outer Line Color Indicates Buffer Tube Used
- Inner Line Colors Indicate Fibers Used

Existing Fiber Optic Cable
- 288 Strand Cable
- 144 Strand Cable
- Existing Wireless Link
- Existing Patch at Intersection
- Patch at Intersection

NOT TO SCALE

CIP: 540007 - 100060
PID NUMBER: 110521

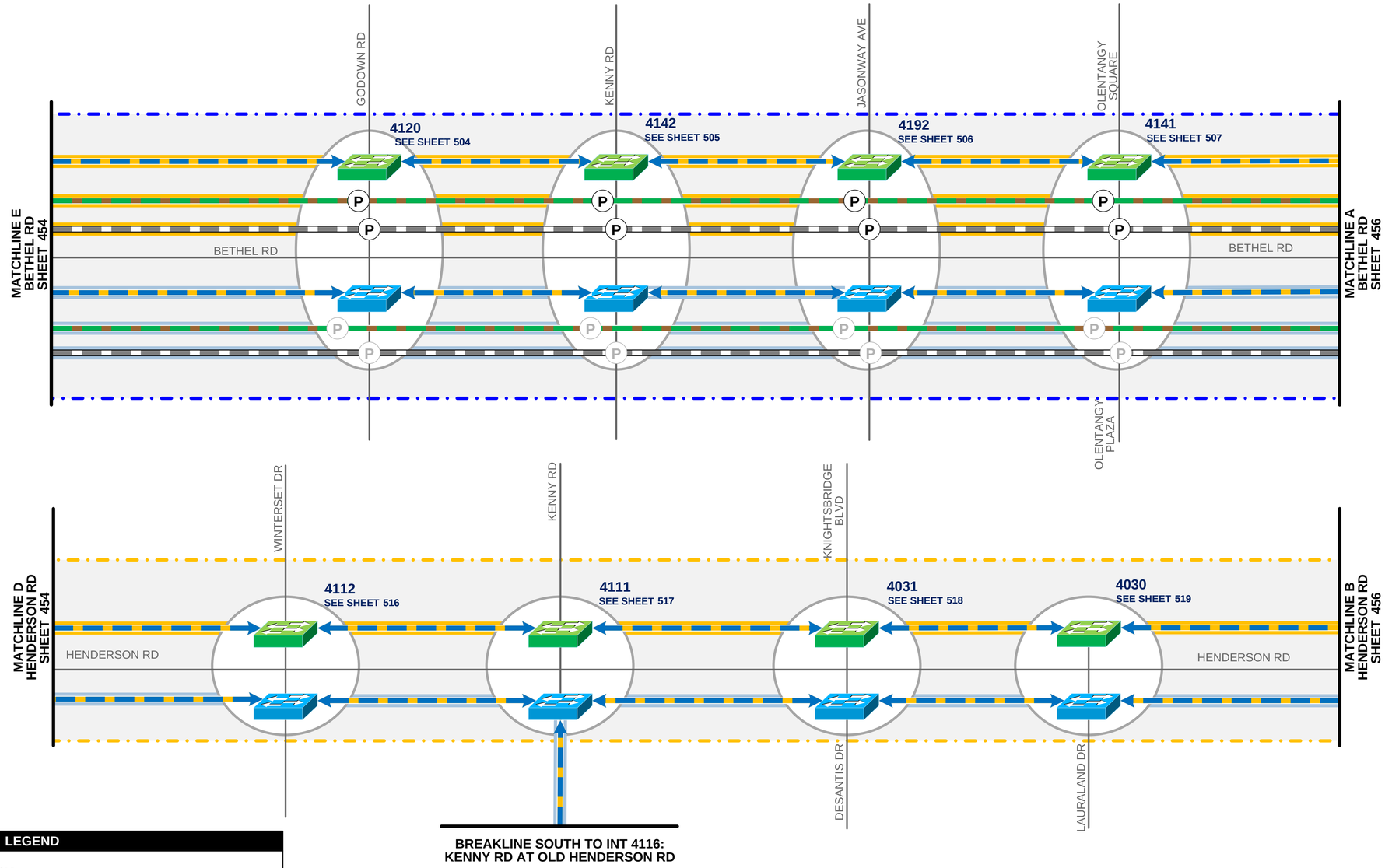
BETHEL RD AND HENDERSON RD

CITY OF COLUMBUS TRAFFIC SIGNAL SYSTEM
(CTSS) PHASE F – FINAL SUBMITTAL

454
768

3676-E

\\colw00\pmwork\Jobs\70202 - CTSS Phase F\TECHPROD\Communications\CTSS Phase F Communications_Layer2.vsd - Bethel_Henderson - 1 layout ~ last saved by: Sai Geetha Koganti 6/1/2022 11:36:51 AM ~ printed: 6/1/2022 11:36:51 AM



LEGEND

Proposed Network Connection
- Outer Line Color Indicates Buffer Tube Used
- Inner Line Colors Indicate Fibers Used
- Layer 2 Ethernet Switch (CTSS)
- Layer 2 Ethernet Switch (CVE)
- Splice Enclosure
- CAT5E Cable

Proposed Fiber Optic Cable
- Fiber Optic Cable
- 288 Strand Cable
- Primary Wireless Link

Existing Network Connection
- Outer Line Color Indicates Buffer Tube Used
- Inner Line Colors Indicate Fibers Used

Existing Fiber Optic Cable
- 288 Strand Cable
- 144 Strand Cable
- Existing Wireless Link
- Existing Patch at Intersection
- Patch at Intersection

NOT TO SCALE

CIP: 540007 - 100060
PID NUMBER: 110521

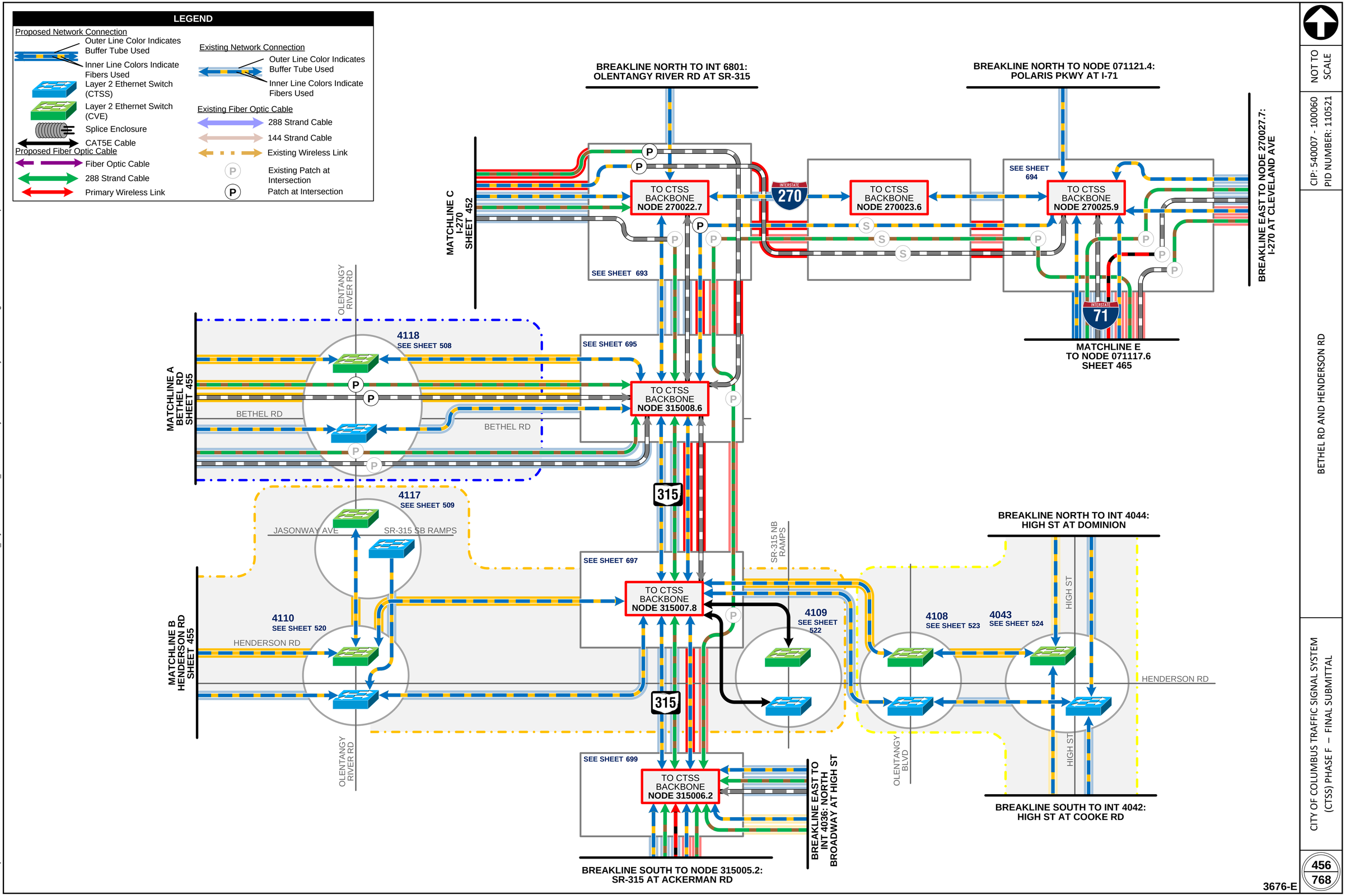
BETHEL RD AND HENDERSON RD

CITY OF COLUMBUS TRAFFIC SIGNAL SYSTEM
(CTSS) PHASE F – FINAL SUBMITTAL

455
768

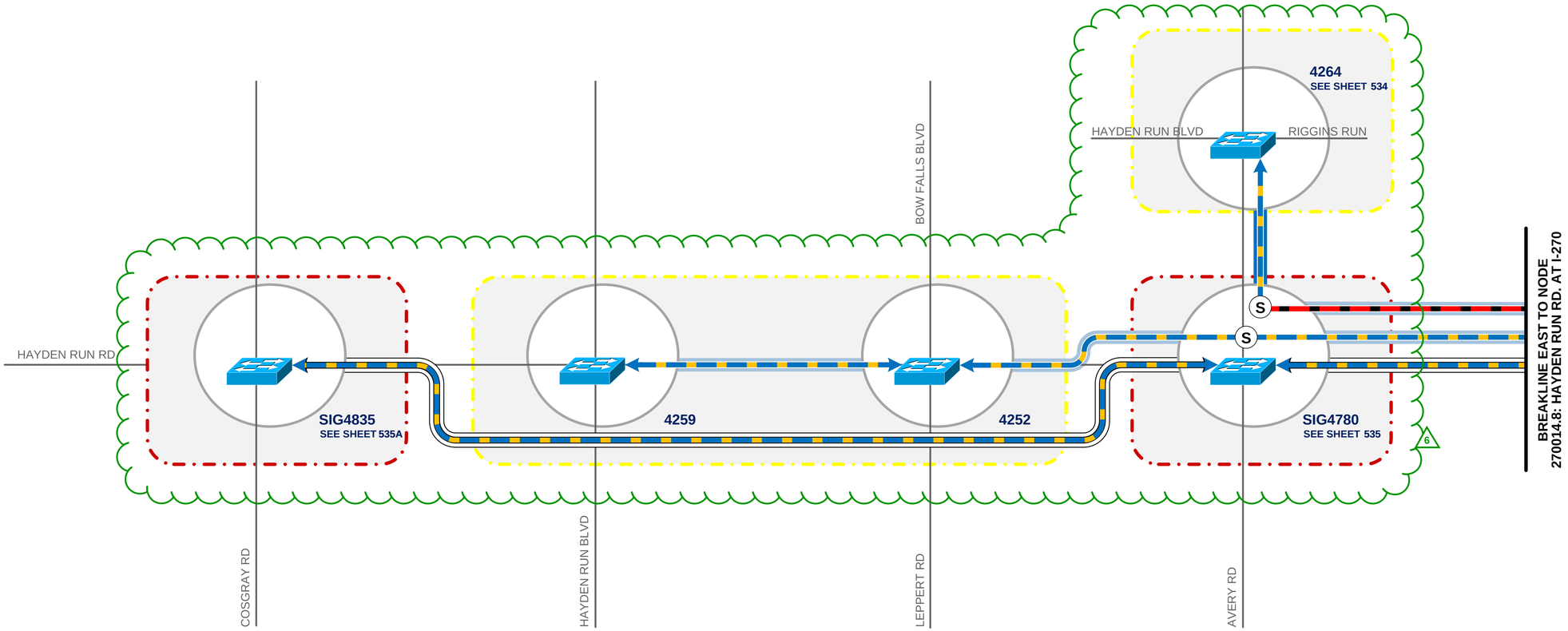
3676-E

\\colw00\pmworkJobs\70202 - CTSS Phase F\TECHPROD\Communications\CTSS Phase F Communications_Layer2.vsd - Bethel_Henderson - 2 layout ~ last saved by: Sai Geetha Koganti 6/1/2022 11:36:51 AM ~ printed: 6/1/2022 11:36:51 AM



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LEGEND

Proposed Network Connection
- Outer Line Color Indicates Buffer Tube Used
- Inner Line Colors Indicate Fibers Used
- Layer 2 Ethernet Switch (CTSS)
- Layer 2 Ethernet Switch (CVE)
- Splice Enclosure
- CAT5E Cable

Proposed Fiber Optic Cable
- Fiber Optic Cable
- 288 Strand Cable
- Primary Wireless Link

Existing Network Connection
- Outer Line Color Indicates Buffer Tube Used
- Inner Line Colors Indicate Fibers Used

Existing Fiber Optic Cable
- 288 Strand Cable
- 144 Strand Cable
- Existing Wireless Link
- Existing Patch at Intersection
- Patch at Intersection

6 DRAFT REVISION 6.0

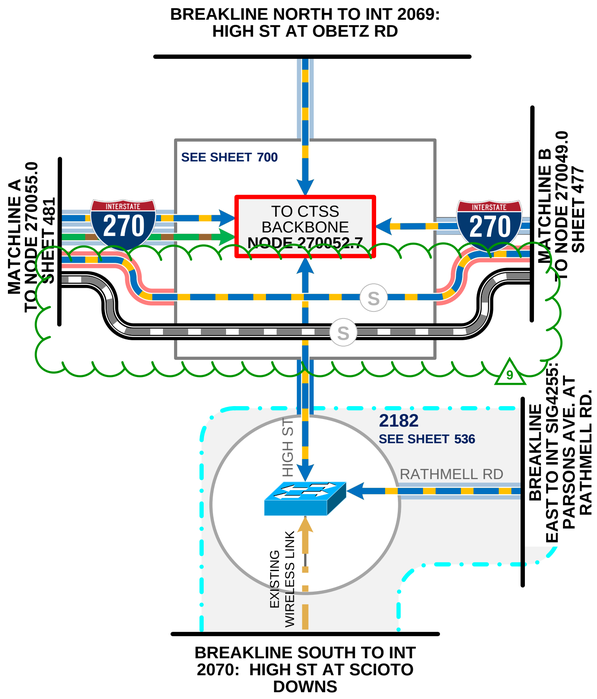
NOT TO SCALE

CIP: 540007 - 100060
PID NUMBER: 110521

HAYDEN RUN RD

CITY OF COLUMBUS TRAFFIC SIGNAL SYSTEM
(CTSS) PHASE F – FINAL SUBMITTAL

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NOTE - THIS SHEET IS INCLUDED WITH DRAFT REVISION 8 FOR THE INTENT OF CLARITY. NO CONSTRUCTION CHANGES TO THIS SHEET RESULT FROM DRAFT REVISION 8.

LEGEND

Proposed Network Connection
- Outer Line Color Indicates Buffer Tube Used
- Inner Line Colors Indicate Fibers Used
- Layer 2 Ethernet Switch (CTSS)
- Layer 2 Ethernet Switch (CVE)
- Splice Enclosure
- CAT5E Cable

Proposed Fiber Optic Cable
- Fiber Optic Cable
- 288 Strand Cable
- Primary Wireless Link

Existing Network Connection
- Outer Line Color Indicates Buffer Tube Used
- Inner Line Colors Indicate Fibers Used

Existing Fiber Optic Cable
- 288 Strand Cable
- 144 Strand Cable
- Existing Wireless Link
- P — Existing Patch at Intersection
- P — Patch at Intersection

9 DRAFT REVISION 9.0

3676-E

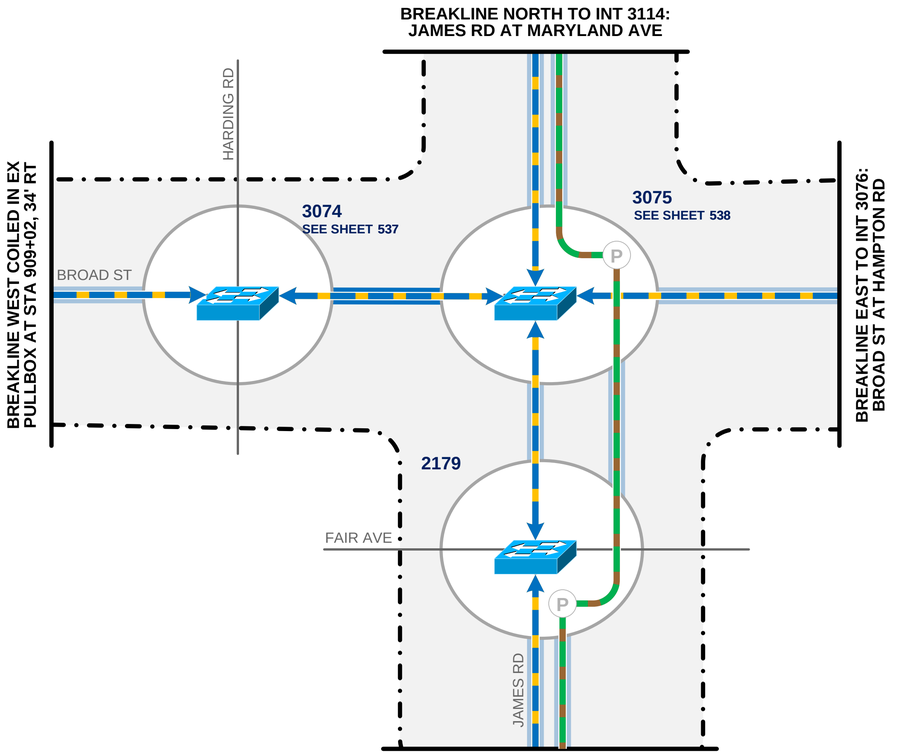
NOT TO SCALE

CIP: 540007 - 100060
PID NUMBER: 110521

S. HIGH ST

CITY OF COLUMBUS TRAFFIC SIGNAL SYSTEM
(CTSS) PHASE F – FINAL SUBMITTAL

458
768



LEGEND

Proposed Network Connection
- Outer Line Color Indicates Buffer Tube Used
- Inner Line Colors Indicate Fibers Used
- Layer 2 Ethernet Switch (CTSS)
- Layer 2 Ethernet Switch (CVE)
- Splice Enclosure
- CAT5E Cable

Proposed Fiber Optic Cable
- Fiber Optic Cable
- 288 Strand Cable
- Primary Wireless Link

Existing Network Connection
- Outer Line Color Indicates Buffer Tube Used
- Inner Line Colors Indicate Fibers Used

Existing Fiber Optic Cable
- 288 Strand Cable
- 144 Strand Cable
- Existing Wireless Link
- Existing Patch at Intersection
- Patch at Intersection

3676-E

NOT TO SCALE

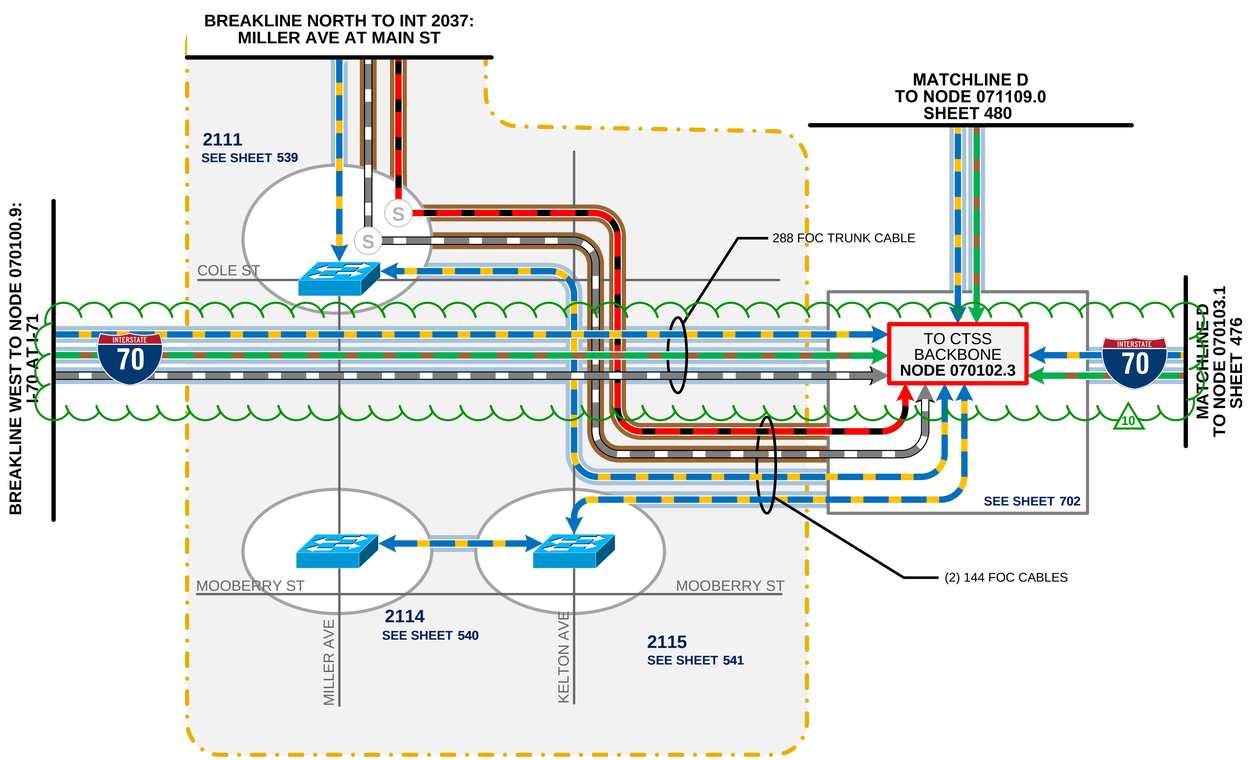
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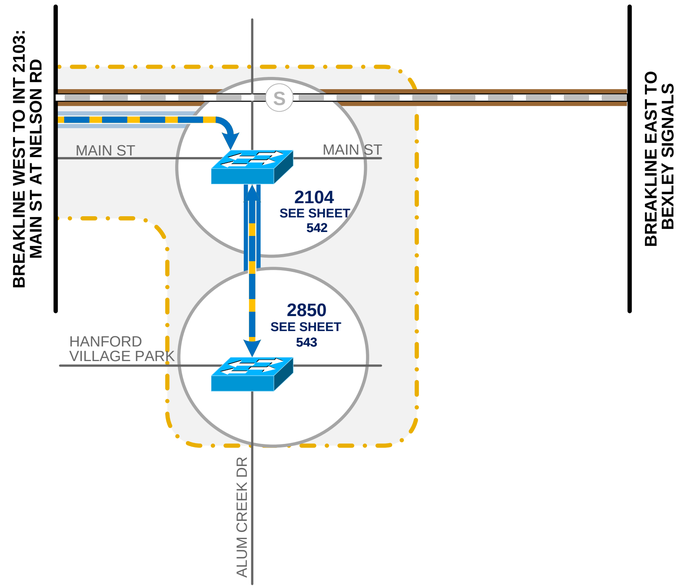
BROAD ST

CITY OF COLUMBUS TRAFFIC SIGNAL SYSTEM
(CTSS) PHASE F – FINAL SUBMITTAL

459
768

\\colw00\pmwork\Jobs\70202 - CTSS Phase F\TECHPROD\Communications\CTSS Phase F Communications_Layer2.vsd - Broad St layout ~ last saved by: Sai Geetha Koganti 6/1/2022 11:36:51 AM ~ printed: 6/1/2022 11:36:51 AM





LEGEND

Proposed Network Connection
- Outer Line Color Indicates Buffer Tube Used
- Inner Line Colors Indicate Fibers Used
- Layer 2 Ethernet Switch (CTSS)
- Layer 2 Ethernet Switch (CVE)
- Splice Enclosure
- CAT5E Cable

Proposed Fiber Optic Cable
- Fiber Optic Cable
- 288 Strand Cable
- Primary Wireless Link

Existing Network Connection
- Outer Line Color Indicates Buffer Tube Used
- Inner Line Colors Indicate Fibers Used

Existing Fiber Optic Cable
- 288 Strand Cable
- 144 Strand Cable
- Existing Wireless Link
- Existing Patch at Intersection
- Patch at Intersection

10 DRAFT REVISION 10.0

NOT TO SCALE

CIP: 540007 - 100060
PID NUMBER: 110521

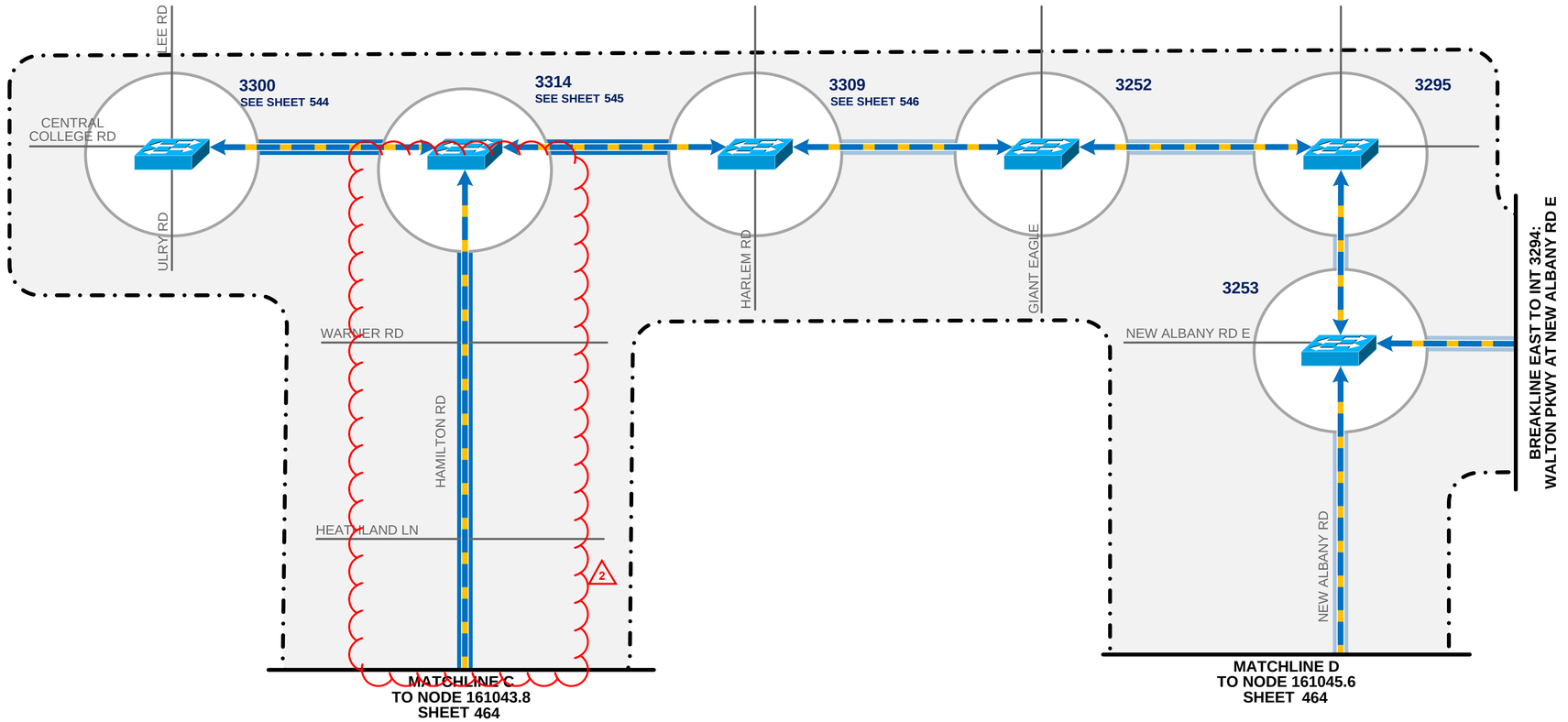
MAIN ST, MILLER AVE AND KELTON AVE

CITY OF COLUMBUS TRAFFIC SIGNAL SYSTEM
(CTSS) PHASE F – FINAL SUBMITTAL

460
768

3676-E

J:\Jobs\70202 - CTSS Phase F\TECHPROD\Communications\CTSS Phase F Communications_Layer2.vsd - Main St - 2 layout - last saved by: Sai Geetha Koganti 6/3/2024 1:54:46 PM ~ printed: 6/3/2024 1:54:46 PM



LEGEND

Proposed Network Connection
- Outer Line Color Indicates Buffer Tube Used
- Inner Line Colors Indicate Fibers Used
- Layer 2 Ethernet Switch (CTSS)
- Layer 2 Ethernet Switch (CVE)
- Splice Enclosure
- CAT5E Cable

Proposed Fiber Optic Cable
- Fiber Optic Cable
- 288 Strand Cable
- Primary Wireless Link

Existing Network Connection
- Outer Line Color Indicates Buffer Tube Used
- Inner Line Colors Indicate Fibers Used

Existing Fiber Optic Cable
- 288 Strand Cable
- 144 Strand Cable
- Existing Wireless Link
- Existing Patch at Intersection
- Patch at Intersection

2 REVISION 2.0

3676-E

CIP: 540007 - 100060
PID NUMBER: 110521

NOT TO SCALE

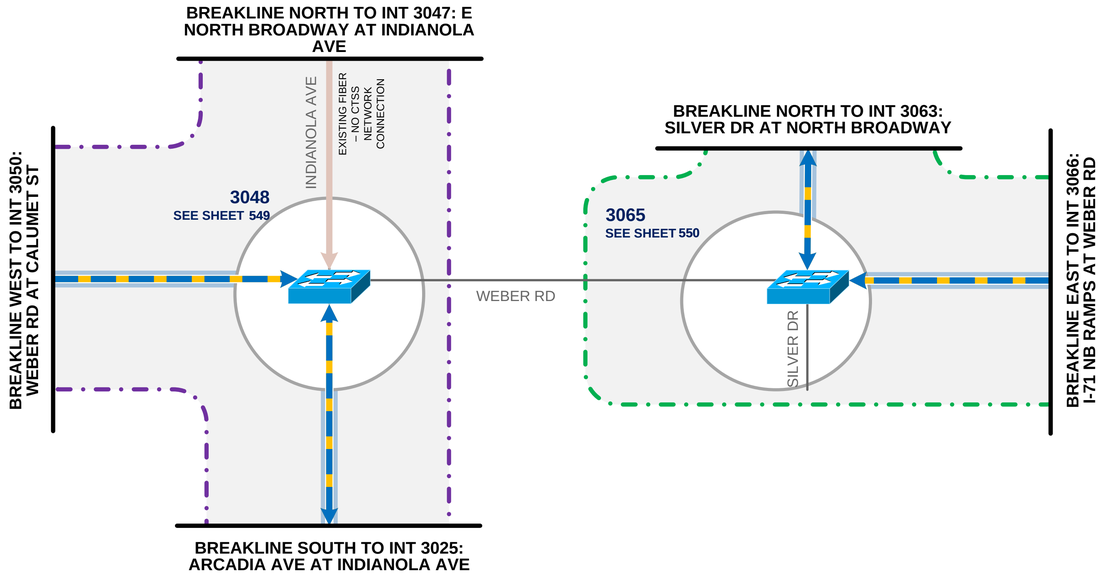
HAMILTON RD, CENTRAL COLLEGE RD, AND NEW ALBANY RD

CITY OF COLUMBUS TRAFFIC SIGNAL SYSTEM
(CTSS) PHASE F – FINAL SUBMITTAL

461
768

J:\Jobs\70202 - CTSS Phase F\TECHPROD\Communications\CTSS Phase F Communications_Layer2.vsd - Hamilton Rd layout ~ last saved by: Sai Geetha Koganti 12/21/2022 10:31:11 AM ~ printed: 12/21/2022 10:31:11 AM

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LEGEND

Proposed Network Connection
- Outer Line Color Indicates Buffer Tube Used
- Inner Line Colors Indicate Fibers Used
- Layer 2 Ethernet Switch (CTSS)
- Layer 2 Ethernet Switch (CVE)
- Splice Enclosure
- CAT5E Cable

Proposed Fiber Optic Cable
- Fiber Optic Cable
- 288 Strand Cable
- Primary Wireless Link

Existing Network Connection
- Outer Line Color Indicates Buffer Tube Used
- Inner Line Colors Indicate Fibers Used

Existing Fiber Optic Cable
- 288 Strand Cable
- 144 Strand Cable
- Existing Wireless Link
- Existing Patch at Intersection
- Patch at Intersection

NOT TO SCALE

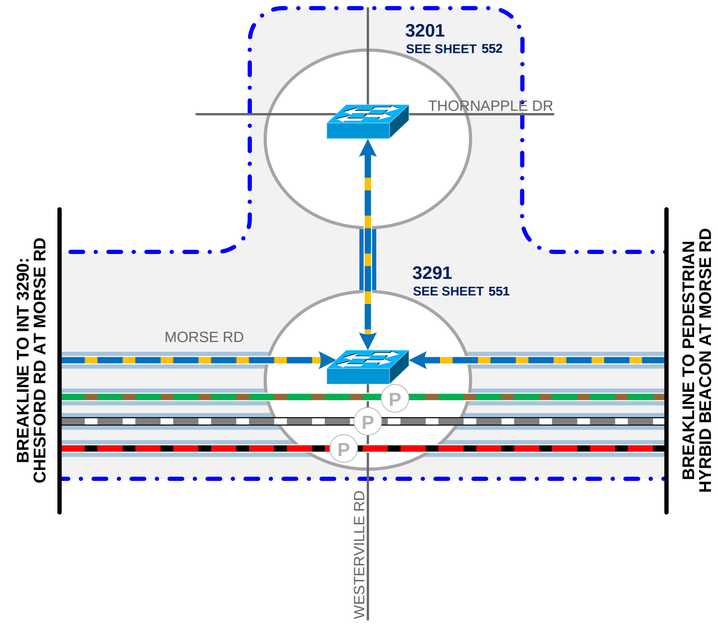
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PID NUMBER: 110521

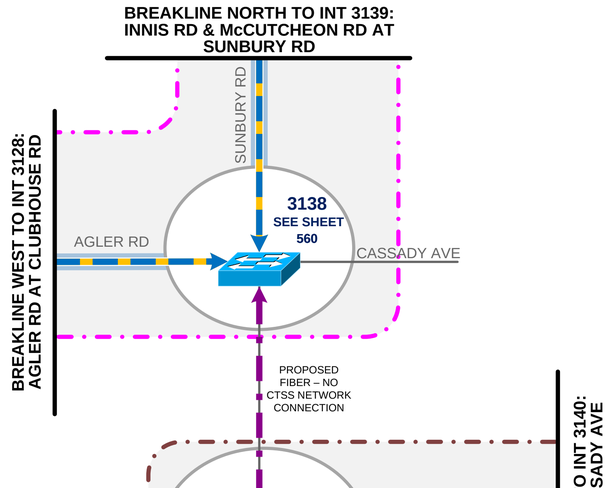
WEBER RD

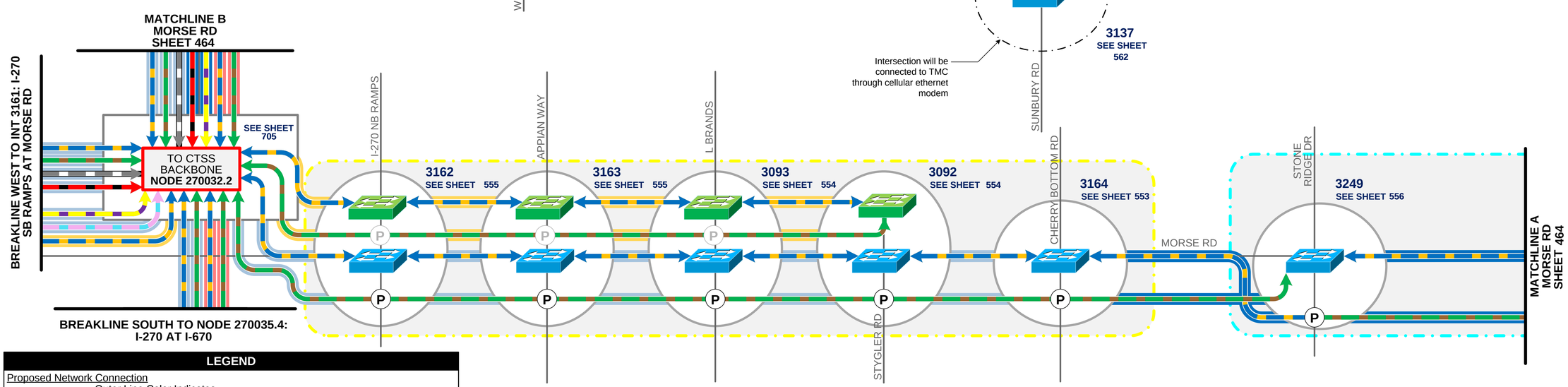
CITY OF COLUMBUS TRAFFIC SIGNAL SYSTEM
(CTSS) PHASE F – FINAL SUBMITTAL

3676-E

J:\Jobs\70202 - CTSS Phase F\TECHPROD\Communications\CTSS Phase F Communications_Layer2.vsd - Morse Rd and Sunbury Rd - 1 layout ~ last saved by: Sai Geetha Koganti 3/27/2024 5:06:50 PM ~ printed: 3/27/2024 5:06:50 PM







LEGEND

Proposed Network Connection
- Outer Line Color Indicates Buffer Tube Used
- Inner Line Colors Indicate Fibers Used
- Layer 2 Ethernet Switch (CTSS)
- Layer 2 Ethernet Switch (CVE)
- Splice Enclosure
- CAT5E Cable

Proposed Fiber Optic Cable
- Fiber Optic Cable
- 288 Strand Cable
- Primary Wireless Link

Existing Network Connection
- Outer Line Color Indicates Buffer Tube Used
- Inner Line Colors Indicate Fibers Used

Existing Fiber Optic Cable
- 288 Strand Cable
- 144 Strand Cable
- Existing Wireless Link
- Existing Patch at Intersection
- Patch at Intersection

NOT TO SCALE

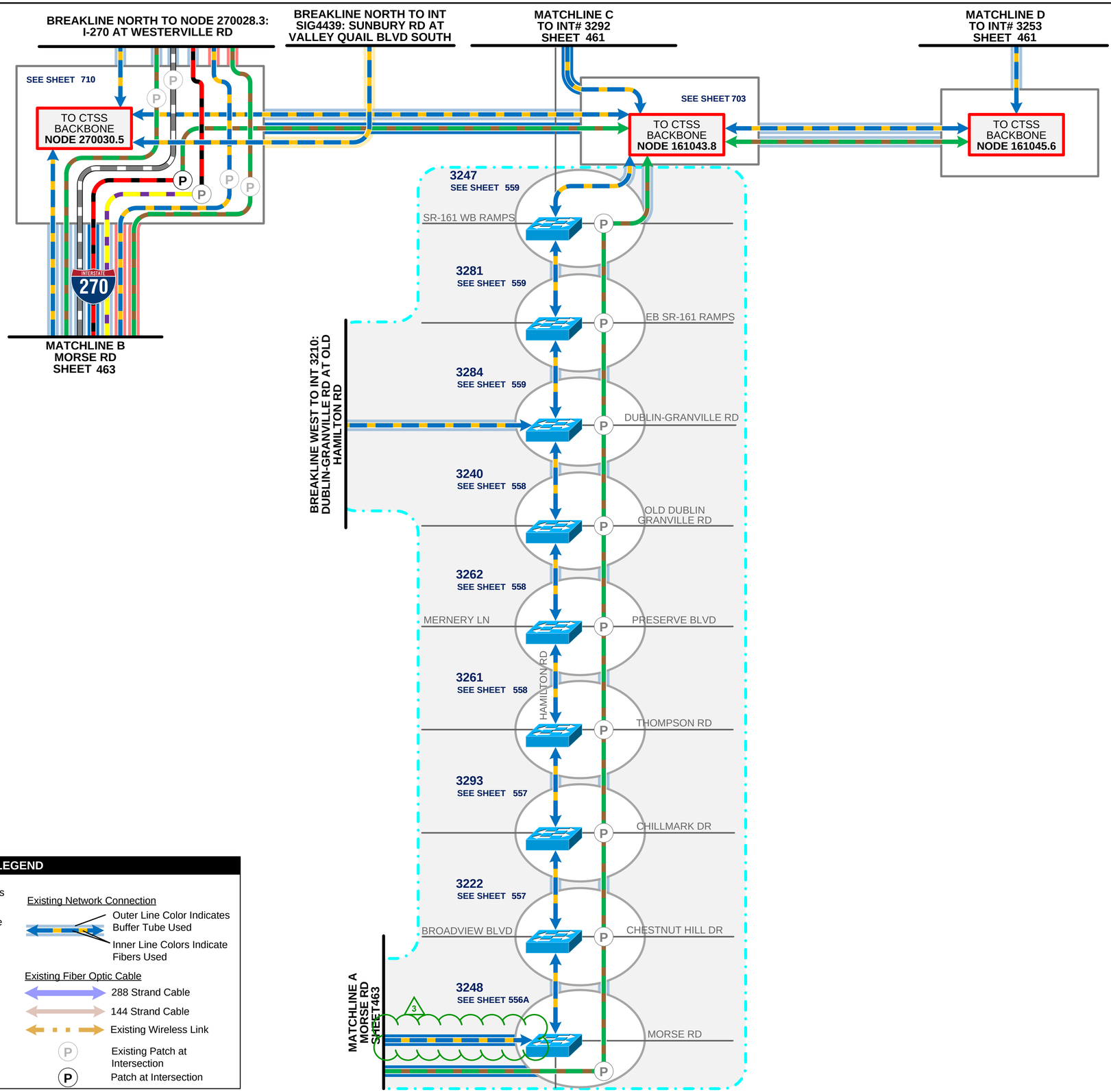
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MORSE RD AND SUNBURY RD

CITY OF COLUMBUS TRAFFIC SIGNAL SYSTEM
(CTSS) PHASE F – FINAL SUBMITTAL

9 DRAFT REVISION 9.0

3676-E



LEGEND

Proposed Network Connection
- Outer Line Color Indicates Buffer Tube Used
- Inner Line Colors Indicate Fibers Used
- Layer 2 Ethernet Switch (CTSS)
- Layer 2 Ethernet Switch (CVE)
- Splice Enclosure
- CAT5E Cable

Proposed Fiber Optic Cable
- Fiber Optic Cable
- 288 Strand Cable
- Primary Wireless Link

Existing Network Connection
- Outer Line Color Indicates Buffer Tube Used
- Inner Line Colors Indicate Fibers Used

Existing Fiber Optic Cable
- 288 Strand Cable
- 144 Strand Cable
- Existing Wireless Link
- Existing Patch at Intersection
- Patch at Intersection

3 DRAFT REVISION 3.0

3676-E

NOT TO SCALE

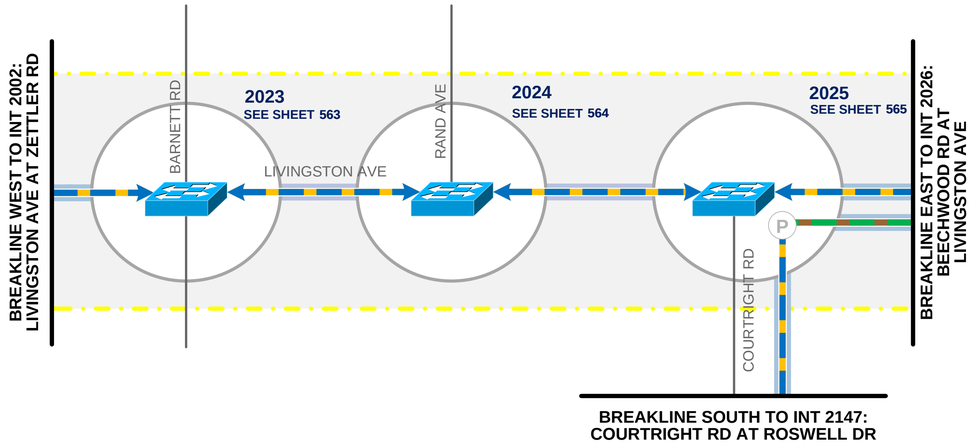
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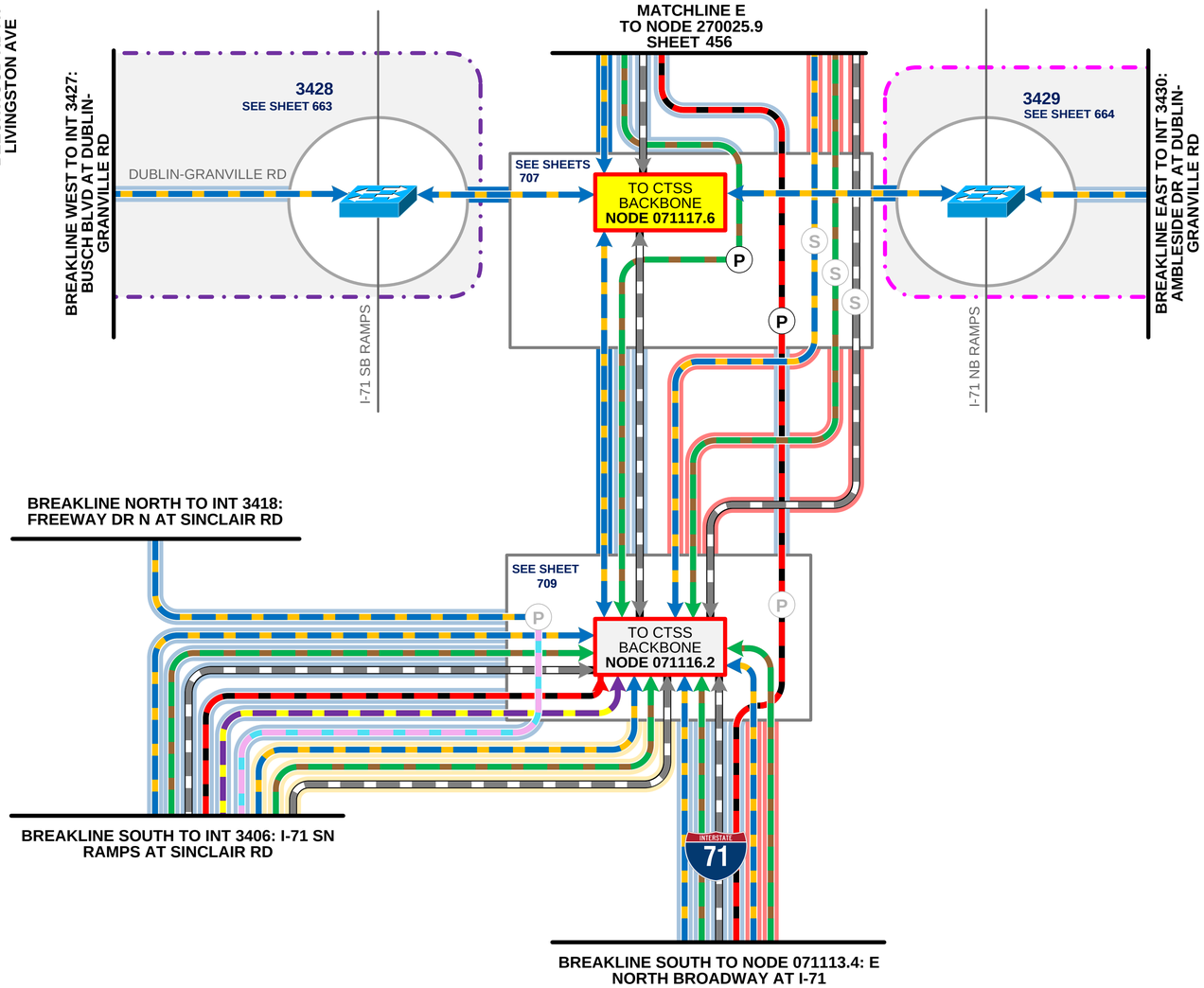
MORSE RD AND HAMILTON RD

CITY OF COLUMBUS TRAFFIC SIGNAL SYSTEM
(CTSS) PHASE F – FINAL SUBMITTAL

464
768

\\colw00\PWWorkJobs\70202 - CTSS Phase F\TECHPROD\Communications\CTSS Phase F Communications_Layer2.vsd - Morse Rd and Hamilton Rd layout ~ last saved by: Sai Geetha Koganti 7/5/2023 1:47:58 PM ~ printed: 7/5/2023 1:47:58 PM





LEGEND

Proposed Network Connection

- Outer Line Color Indicates Buffer Tube Used
- Inner Line Colors Indicate Fibers Used
- Layer 2 Ethernet Switch (CTSS)
- Layer 2 Ethernet Switch (CVE)
- Splice Enclosure
- CAT5E Cable

Proposed Fiber Optic Cable

- Fiber Optic Cable
- 288 Strand Cable
- Primary Wireless Link

Existing Network Connection

- Outer Line Color Indicates Buffer Tube Used
- Inner Line Colors Indicate Fibers Used

Existing Fiber Optic Cable

- 288 Strand Cable
- 144 Strand Cable
- Existing Wireless Link
- Existing Patch at Intersection
- Patch at Intersection

NOT TO SCALE

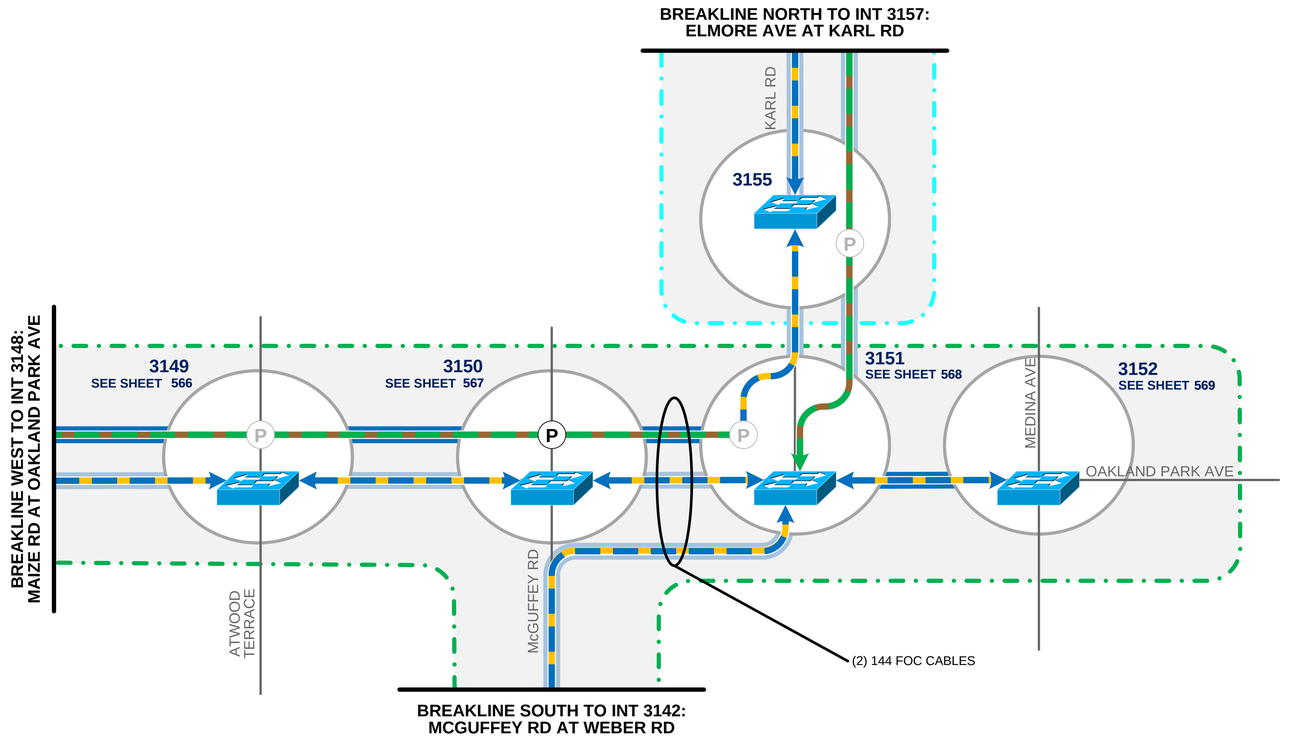
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PID NUMBER: 110521

LIVINGSTON AVE AND DUBLIN GRANVILLE RD AT I-71

CITY OF COLUMBUS TRAFFIC SIGNAL SYSTEM
(CTSS) PHASE F – FINAL SUBMITTAL

3676-E

\\colw00\pmwork\Jobs\70202 - CTSS Phase F\TECHPROD\Communications\CTSS Phase F Communications_Layer2.vsd - Livingston Ave and I-71 layout ~ last saved by: Sai Geetha Koganti 6/1/2022 11:36:51 AM ~ printed: 6/1/2022 11:36:51 AM



LEGEND

Proposed Network Connection
- Outer Line Color Indicates Buffer Tube Used
- Inner Line Colors Indicate Fibers Used
- Layer 2 Ethernet Switch (CTSS)
- Layer 2 Ethernet Switch (CVE)
- Splice Enclosure
- CAT5E Cable

Proposed Fiber Optic Cable
- Fiber Optic Cable
- 288 Strand Cable
- Primary Wireless Link

Existing Network Connection
- Outer Line Color Indicates Buffer Tube Used
- Inner Line Colors Indicate Fibers Used

Existing Fiber Optic Cable
- 288 Strand Cable
- 144 Strand Cable
- Existing Wireless Link
- Existing Patch at Intersection
- Patch at Intersection

NOT TO SCALE

CIP: 540007 - 100060
PID NUMBER: 110521

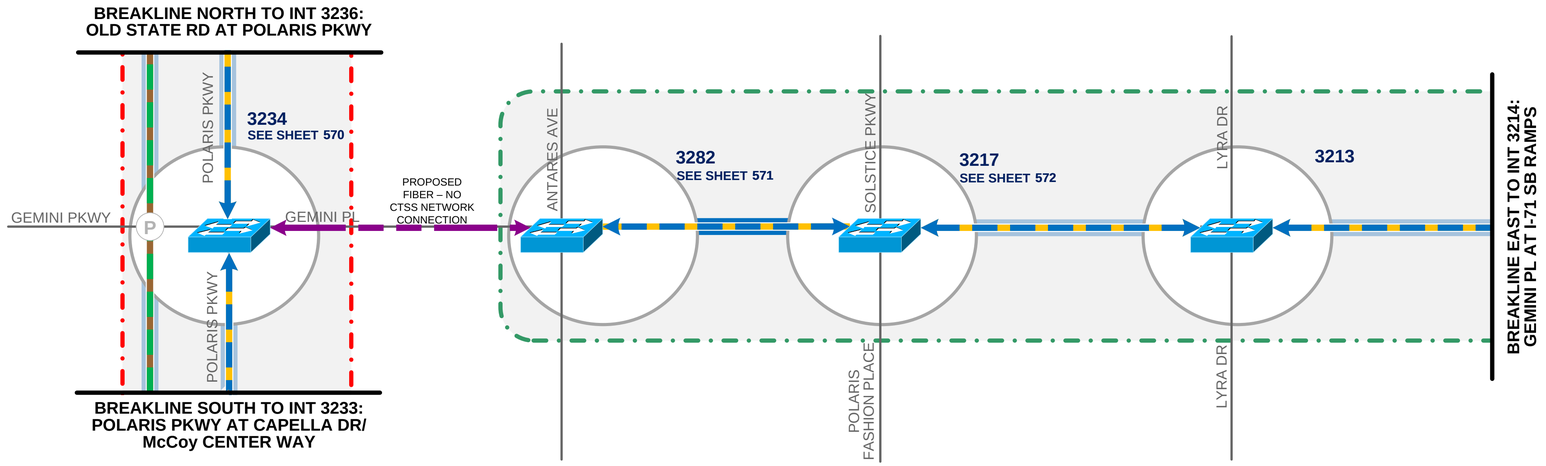
OAKLAND PARK AVE

CITY OF COLUMBUS TRAFFIC SIGNAL SYSTEM
(CTSS) PHASE F – FINAL SUBMITTAL

466
768

3676-E

\\colw00\pmworkJobs\70202 - CTSS Phase F\TECHPROD\Communications\CTSS Phase F Communications_Layer2.vsd - Oakland Park Ave layout ~ last saved by: Sai Geetha Koganti 6/1/2022 11:36:51 AM ~ printed: 6/1/2022 11:36:51 AM



LEGEND

Proposed Network Connection

- Outer Line Color Indicates Buffer Tube Used
- Inner Line Colors Indicate Fibers Used
- Layer 2 Ethernet Switch (CTSS)
- Layer 2 Ethernet Switch (CVE)
- Splice Enclosure
- CAT5E Cable

Proposed Fiber Optic Cable

- Fiber Optic Cable
- 288 Strand Cable
- Primary Wireless Link

Existing Network Connection

- Outer Line Color Indicates Buffer Tube Used
- Inner Line Colors Indicate Fibers Used

Existing Fiber Optic Cable

- 288 Strand Cable
- 144 Strand Cable
- Existing Wireless Link
- Existing Patch at Intersection
- Patch at Intersection

3676-E

NOT TO SCALE

CIP: 540007 - 100060
PID NUMBER: 110521

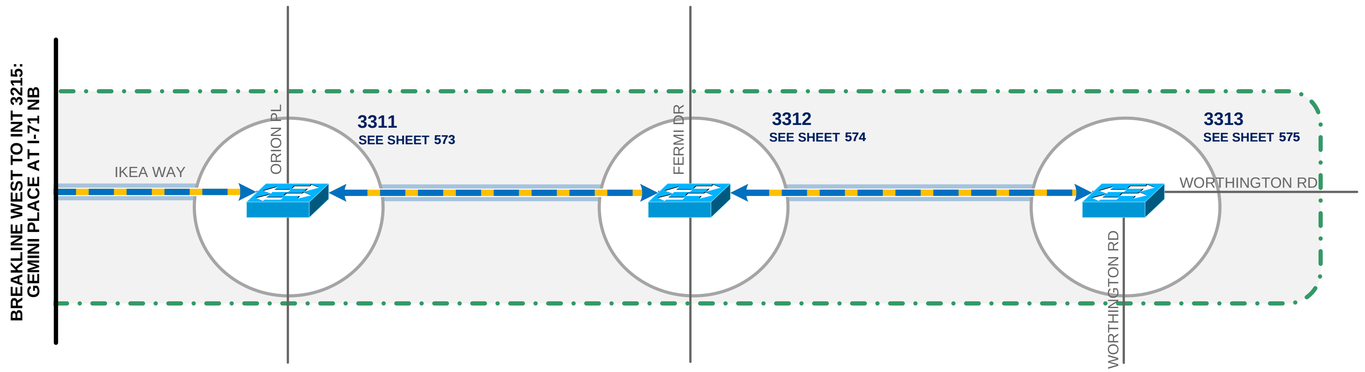
GEMINI PL

CITY OF COLUMBUS TRAFFIC SIGNAL SYSTEM
(CTSS) PHASE F – FINAL SUBMITTAL

467
768

\\colw00\pmworkJobs\70202 - CTSS Phase F\TECHPROD\Communications\CTSS Phase F Communications_Layer2.vsd - Gemini PL layout ~ last saved by: Sai Geetha Koganti 6/1/2022 11:36:51 AM ~ printed: 6/1/2022 11:36:51 AM

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LEGEND

Proposed Network Connection
- Outer Line Color Indicates Buffer Tube Used
- Inner Line Colors Indicate Fibers Used
- Layer 2 Ethernet Switch (CTSS)
- Layer 2 Ethernet Switch (CVE)
- Splice Enclosure
- CAT5E Cable

Proposed Fiber Optic Cable
- Fiber Optic Cable
- 288 Strand Cable
- Primary Wireless Link

Existing Network Connection
- Outer Line Color Indicates Buffer Tube Used
- Inner Line Colors Indicate Fibers Used

Existing Fiber Optic Cable
- 288 Strand Cable
- 144 Strand Cable
- Existing Wireless Link
- Existing Patch at Intersection
- Patch at Intersection

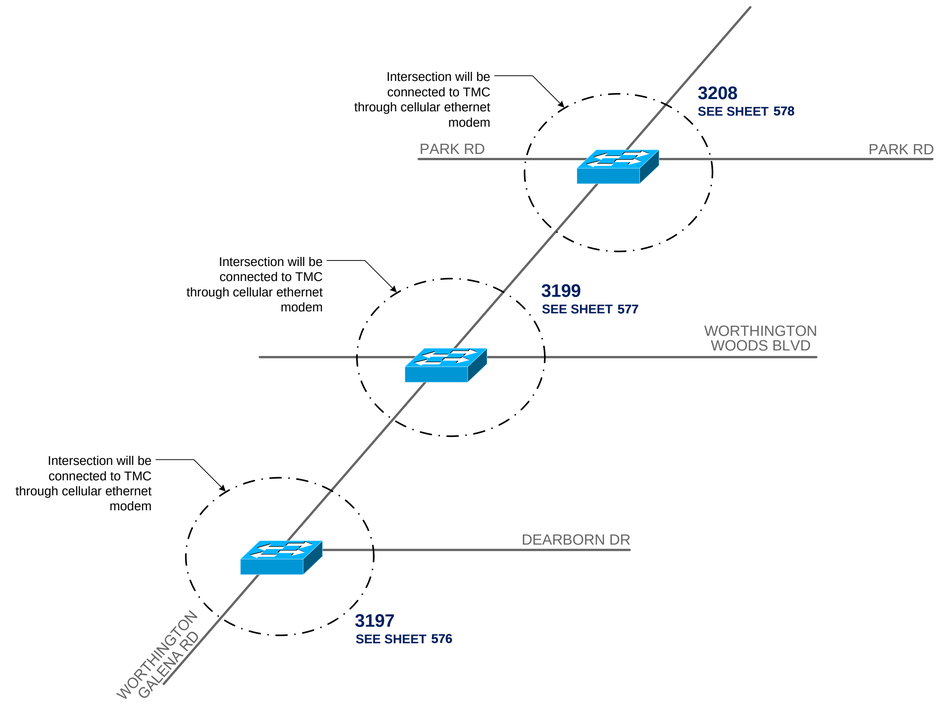
NOT TO SCALE

CIP: 540007 - 100060
PID NUMBER: 110521

IKEA WAY

CITY OF COLUMBUS TRAFFIC SIGNAL SYSTEM
(CTSS) PHASE F – FINAL SUBMITTAL

3676-E



LEGEND

Proposed Network Connection

- Outer Line Color Indicates Buffer Tube Used
- Inner Line Colors Indicate Fibers Used
- Layer 2 Ethernet Switch (CTSS)
- Layer 2 Ethernet Switch (CVE)
- Splice Enclosure
- CAT5E Cable

Proposed Fiber Optic Cable

- Fiber Optic Cable
- 288 Strand Cable
- Primary Wireless Link

Existing Network Connection

- Outer Line Color Indicates Buffer Tube Used
- Inner Line Colors Indicate Fibers Used

Existing Fiber Optic Cable

- 288 Strand Cable
- 144 Strand Cable
- Existing Wireless Link
- Existing Patch at Intersection
- Patch at Intersection

NOT TO SCALE

CIP: 540007 - 100060
PID NUMBER: 110521

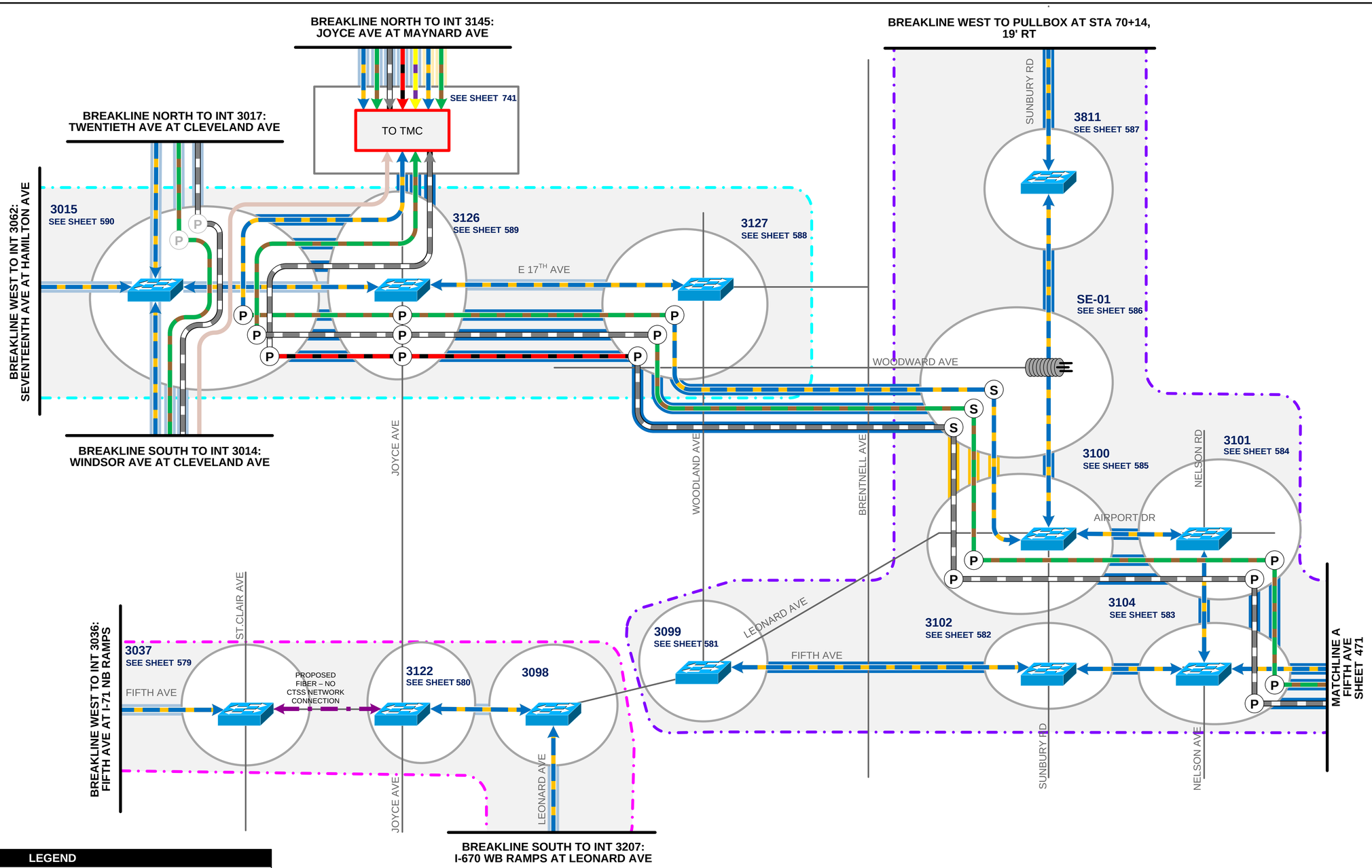
WORTHINGTON GALENA RD

CITY OF COLUMBUS TRAFFIC SIGNAL SYSTEM
(CTSS) PHASE F – FINAL SUBMITTAL

469
768

3676-E

\\colw00\pmwork\Jobs\70202 - CTSS Phase F\TECHPROD\Communications\CTSS Phase F Communications_Layer2.vsd - Sancus Blvd layout ~ last saved by: Sai Geetha Koganti 6/1/2022 11:36:51 AM ~ printed: 6/1/2022 11:36:51 AM



LEGEND

Proposed Network Connection
- Outer Line Color Indicates Buffer Tube Used
- Inner Line Colors Indicate Fibers Used
- Layer 2 Ethernet Switch (CTSS)
- Layer 2 Ethernet Switch (CVE)
- Splice Enclosure
- CAT5E Cable

Proposed Fiber Optic Cable
- Fiber Optic Cable
- 288 Strand Cable
- Primary Wireless Link

Existing Network Connection
- Outer Line Color Indicates Buffer Tube Used
- Inner Line Colors Indicate Fibers Used

Existing Fiber Optic Cable
- 288 Strand Cable
- 144 Strand Cable
- Existing Wireless Link
- Existing Patch at Intersection
- Patch at Intersection

NOT TO SCALE

CIP: 540007 - 100060
PID NUMBER: 110521

FIFTH AVE

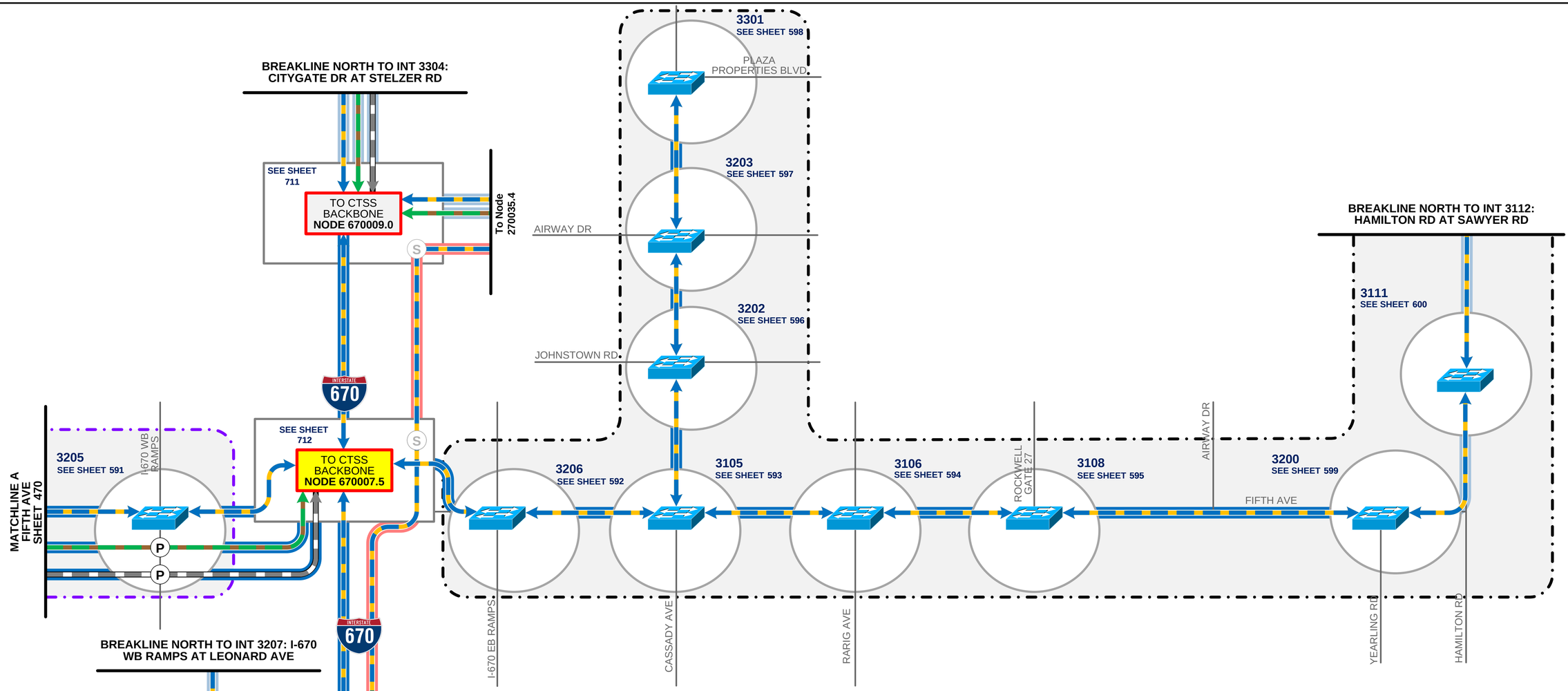
CITY OF COLUMBUS TRAFFIC SIGNAL SYSTEM
(CTSS) PHASE F – FINAL SUBMITTAL

3676-E

470
768

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LEGEND

Proposed Network Connection
- Outer Line Color Indicates Buffer Tube Used
- Inner Line Colors Indicate Fibers Used
- Layer 2 Ethernet Switch (CTSS)
- Layer 2 Ethernet Switch (CVE)
- Splice Enclosure
- CAT5E Cable

Proposed Fiber Optic Cable
- Fiber Optic Cable
- 288 Strand Cable
- Primary Wireless Link

Existing Network Connection
- Outer Line Color Indicates Buffer Tube Used
- Inner Line Colors Indicate Fibers Used

Existing Fiber Optic Cable
- 288 Strand Cable
- 144 Strand Cable
- Existing Wireless Link
- Existing Patch at Intersection
- Patch at Intersection

NOTE:
FIBER AT INT# 3105: CASSADY AVE. AT FIFTH AVE. TO BE INSTALL WITH IMPROVEMENTS OF CASSADY AVE. E-3533

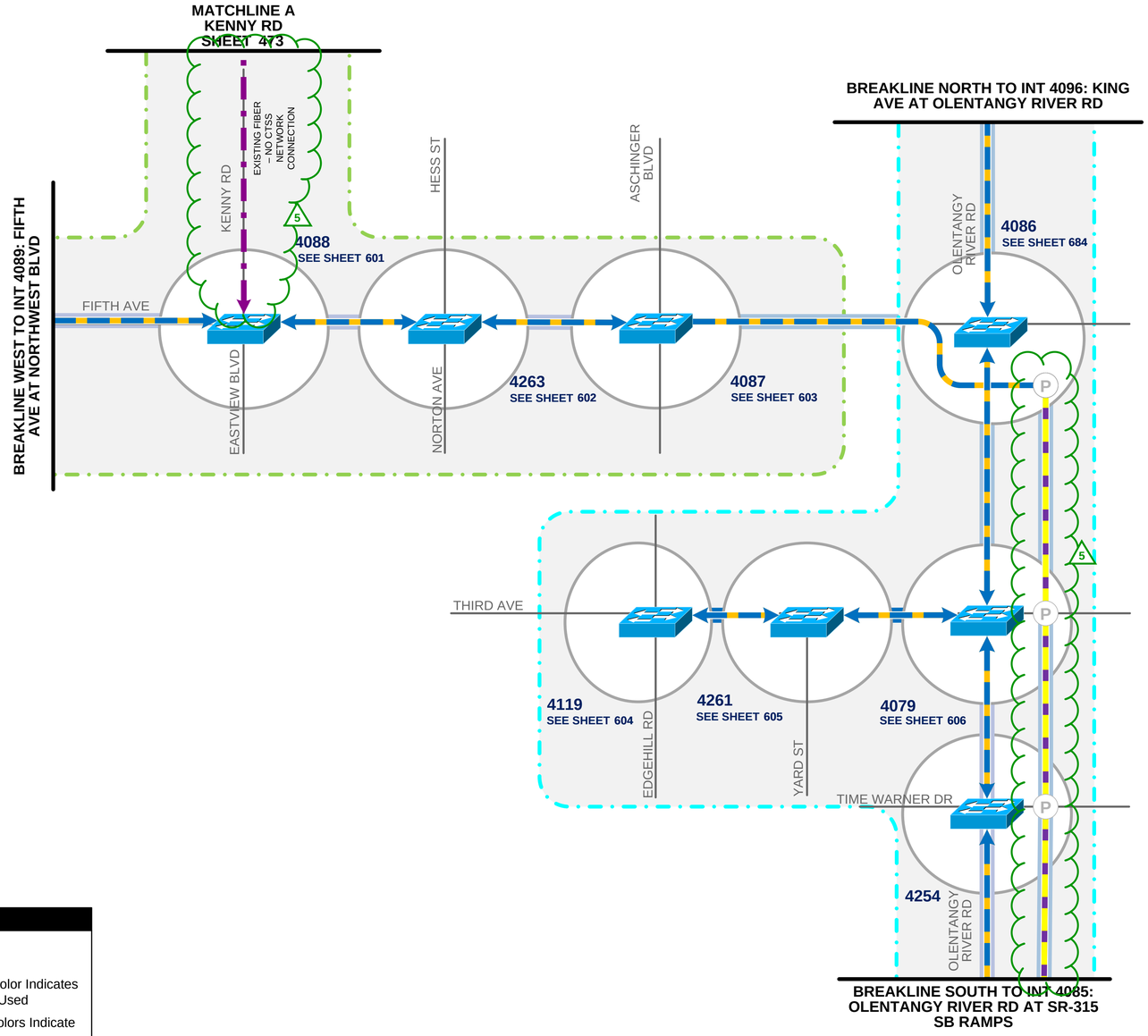
NOT TO SCALE

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PID NUMBER: 110521

FIFTH AVE

CITY OF COLUMBUS TRAFFIC SIGNAL SYSTEM
(CTSS) PHASE F – FINAL SUBMITTAL

3676-E



LEGEND

Proposed Network Connection
- Outer Line Color Indicates Buffer Tube Used
- Inner Line Colors Indicate Fibers Used
- Layer 2 Ethernet Switch (CTSS)
- Layer 2 Ethernet Switch (CVE)
- Splice Enclosure
- CAT5E Cable

Proposed Fiber Optic Cable
- Fiber Optic Cable
- 288 Strand Cable
- Primary Wireless Link

Existing Network Connection
- Outer Line Color Indicates Buffer Tube Used
- Inner Line Colors Indicate Fibers Used

Existing Fiber Optic Cable
- 288 Strand Cable
- 144 Strand Cable
- Existing Wireless Link
- Existing Patch at Intersection
- Patch at Intersection

5 DRAFT REVISION 5.0

3676-E

NOT TO SCALE

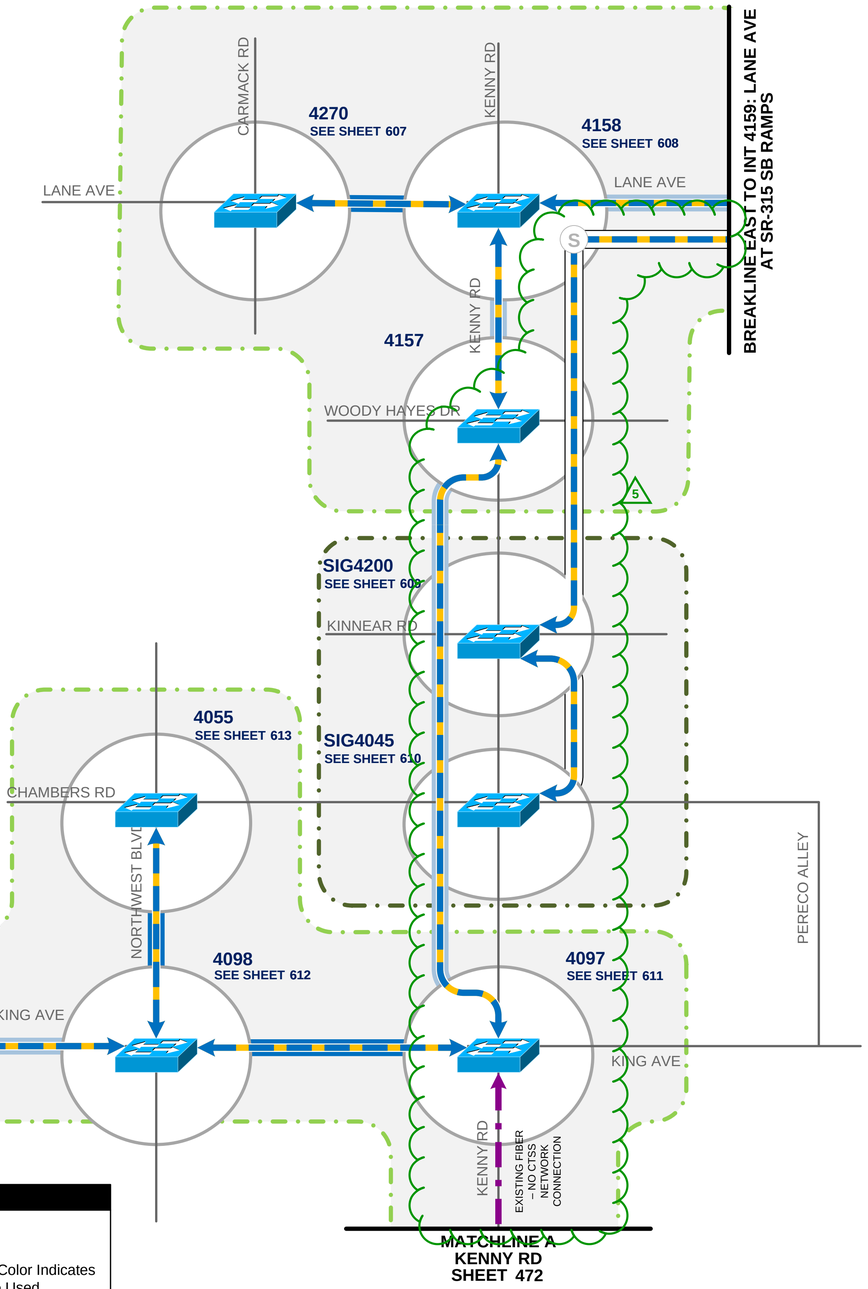
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PID NUMBER: 110521

FIFTH AVE AND THIRD AVE

CITY OF COLUMBUS TRAFFIC SIGNAL SYSTEM
(CTSS) PHASE F – FINAL SUBMITTAL

472
768

J:\Jobs\70202 - CTSS Phase F\TECHPROD\Communications\CTSS Phase F Communications_Layer2.vsd - King Ave and Kenny Rd layout ~ last saved by: Sai Geetha Koganti 11/6/2023 1:34:12 PM ~ printed: 11/6/2023 1:34:12 PM



LEGEND

Proposed Network Connection

- Outer Line Color Indicates Buffer Tube Used
- Inner Line Colors Indicate Fibers Used
- Layer 2 Ethernet Switch (CTSS)
- Layer 2 Ethernet Switch (CVE)
- Splice Enclosure
- CAT5E Cable

Proposed Fiber Optic Cable

- Fiber Optic Cable
- 288 Strand Cable
- Primary Wireless Link

Existing Network Connection

- Outer Line Color Indicates Buffer Tube Used
- Inner Line Colors Indicate Fibers Used

Existing Fiber Optic Cable

- 288 Strand Cable
- 144 Strand Cable
- Existing Wireless Link
- Existing Patch at Intersection
- Patch at Intersection

5 DRAFT REVISION 5.0

3676-E

NOT TO SCALE

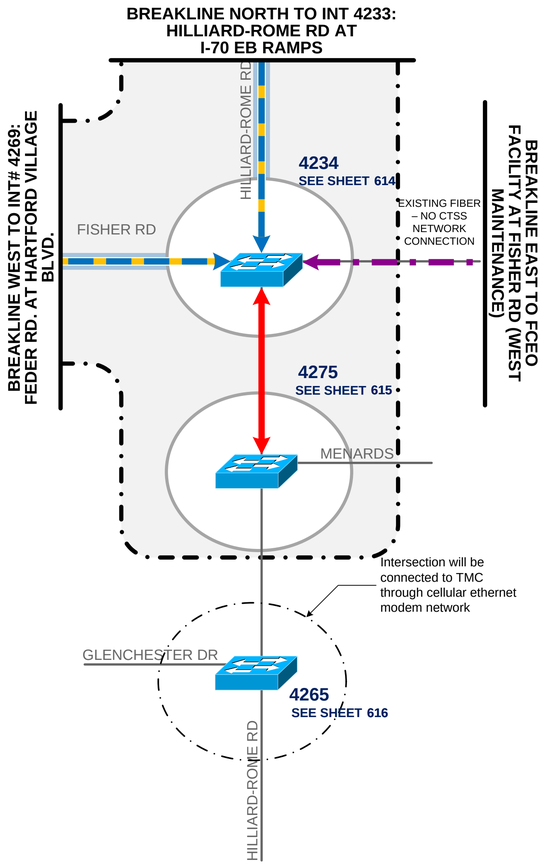
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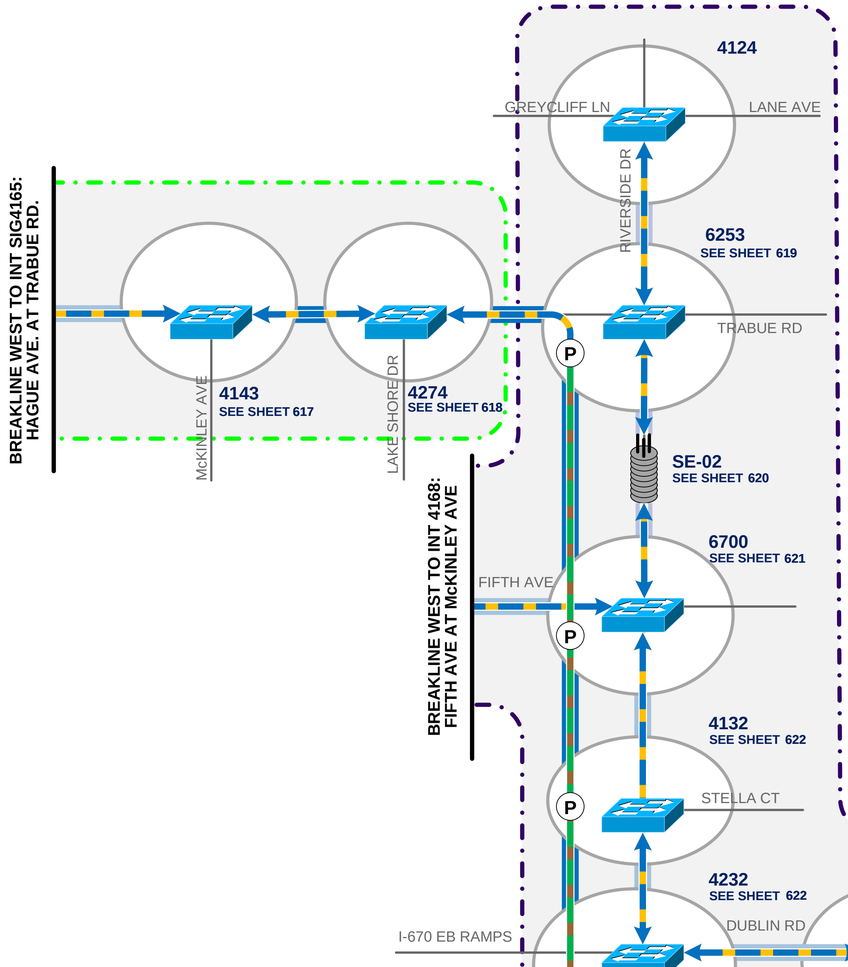
KENNY RD, KING AVE AND LANE AVE

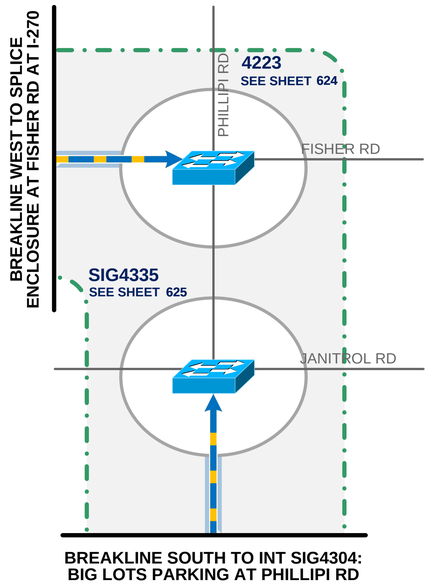
CITY OF COLUMBUS TRAFFIC SIGNAL SYSTEM
(CTSS) PHASE F – FINAL SUBMITTAL

473
768

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LEGEND

Proposed Network Connection
- Outer Line Color Indicates Buffer Tube Used
- Inner Line Colors Indicate Fibers Used
- Layer 2 Ethernet Switch (CTSS)
- Layer 2 Ethernet Switch (CVE)
- Splice Enclosure
- CAT5E Cable

Proposed Fiber Optic Cable
- Fiber Optic Cable
- 288 Strand Cable
- Primary Wireless Link

Existing Network Connection
- Outer Line Color Indicates Buffer Tube Used
- Inner Line Colors Indicate Fibers Used

Existing Fiber Optic Cable
- 288 Strand Cable
- 144 Strand Cable
- Existing Wireless Link
- Existing Patch at Intersection
- Patch at Intersection

NOT TO SCALE

CIP: 540007 - 100060
PID NUMBER: 110521

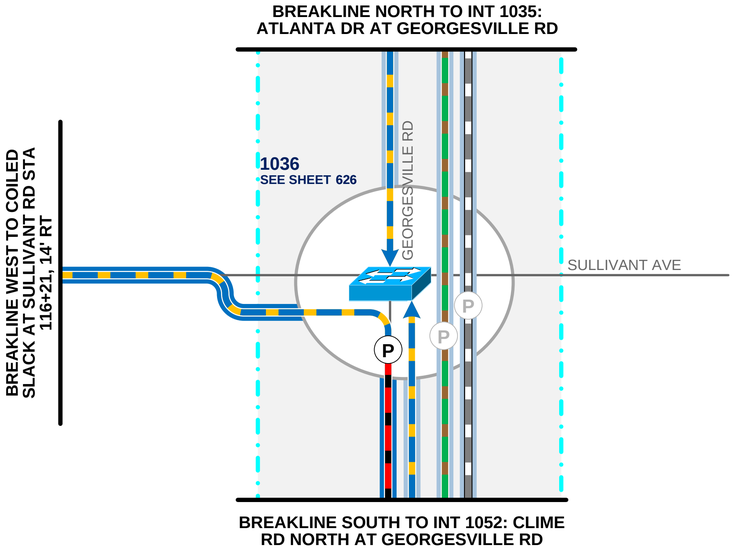
HILLIARD ROME RD, PHILLIPI RD, TRABUE RD, AND RIVERSIDE DR

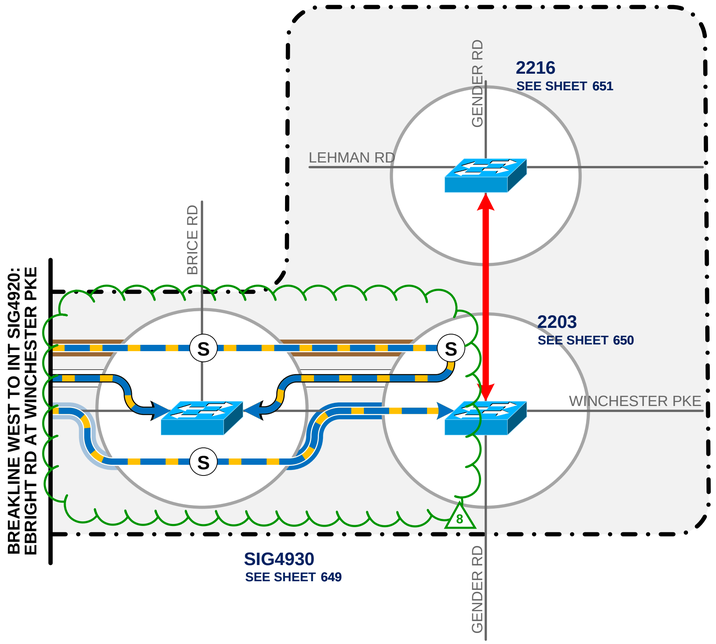
CITY OF COLUMBUS TRAFFIC SIGNAL SYSTEM
(CTSS) PHASE F – FINAL SUBMITTAL

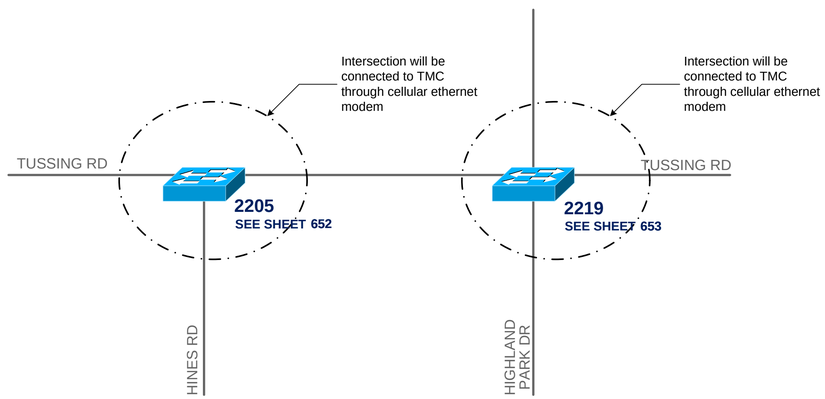
474
768

3676-E

\\colw00\pmwork\Jobs\70202 - CTSS Phase F\TECHPROD\Communications\CTSS Phase F Communications_Layer2.vsd - Hilliard Rome Rd layout – last saved by: Sai Geetha Koganti 6/1/2022 11:36:51 AM – printed: 6/1/2022 11:36:51 AM







LEGEND

Proposed Network Connection
- Outer Line Color Indicates Buffer Tube Used
- Inner Line Colors Indicate Fibers Used
- Layer 2 Ethernet Switch (CTSS)
- Layer 2 Ethernet Switch (CVE)
- Splice Enclosure
- CAT5E Cable

Proposed Fiber Optic Cable
- Fiber Optic Cable
- 288 Strand Cable
- Primary Wireless Link

Existing Network Connection
- Outer Line Color Indicates Buffer Tube Used
- Inner Line Colors Indicate Fibers Used

Existing Fiber Optic Cable
- 288 Strand Cable
- 144 Strand Cable
- Existing Wireless Link
- Existing Patch at Intersection
- Patch at Intersection

8 DRAFT REVISION 8.0

3676-E

NOT TO SCALE

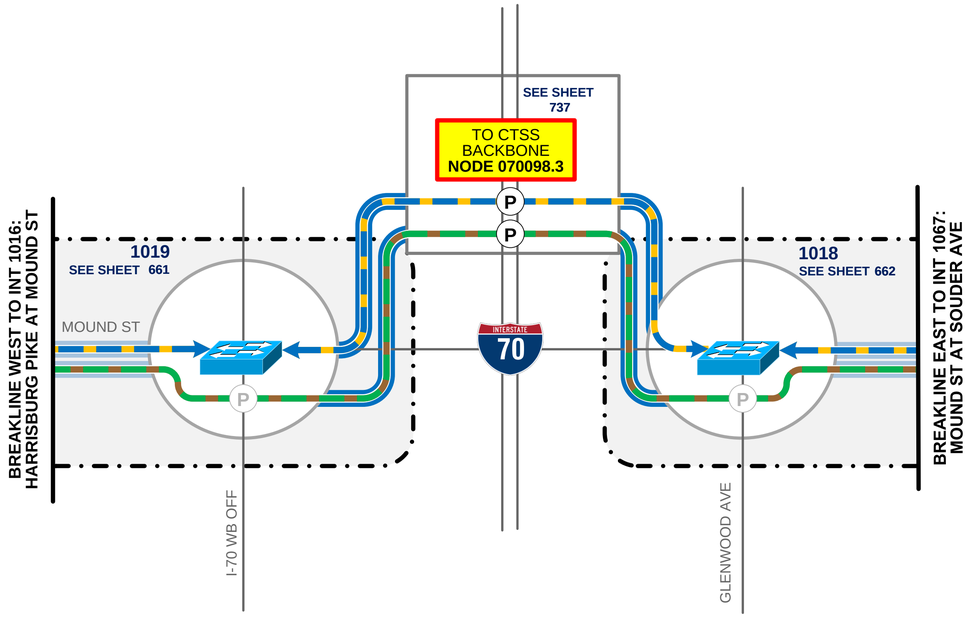
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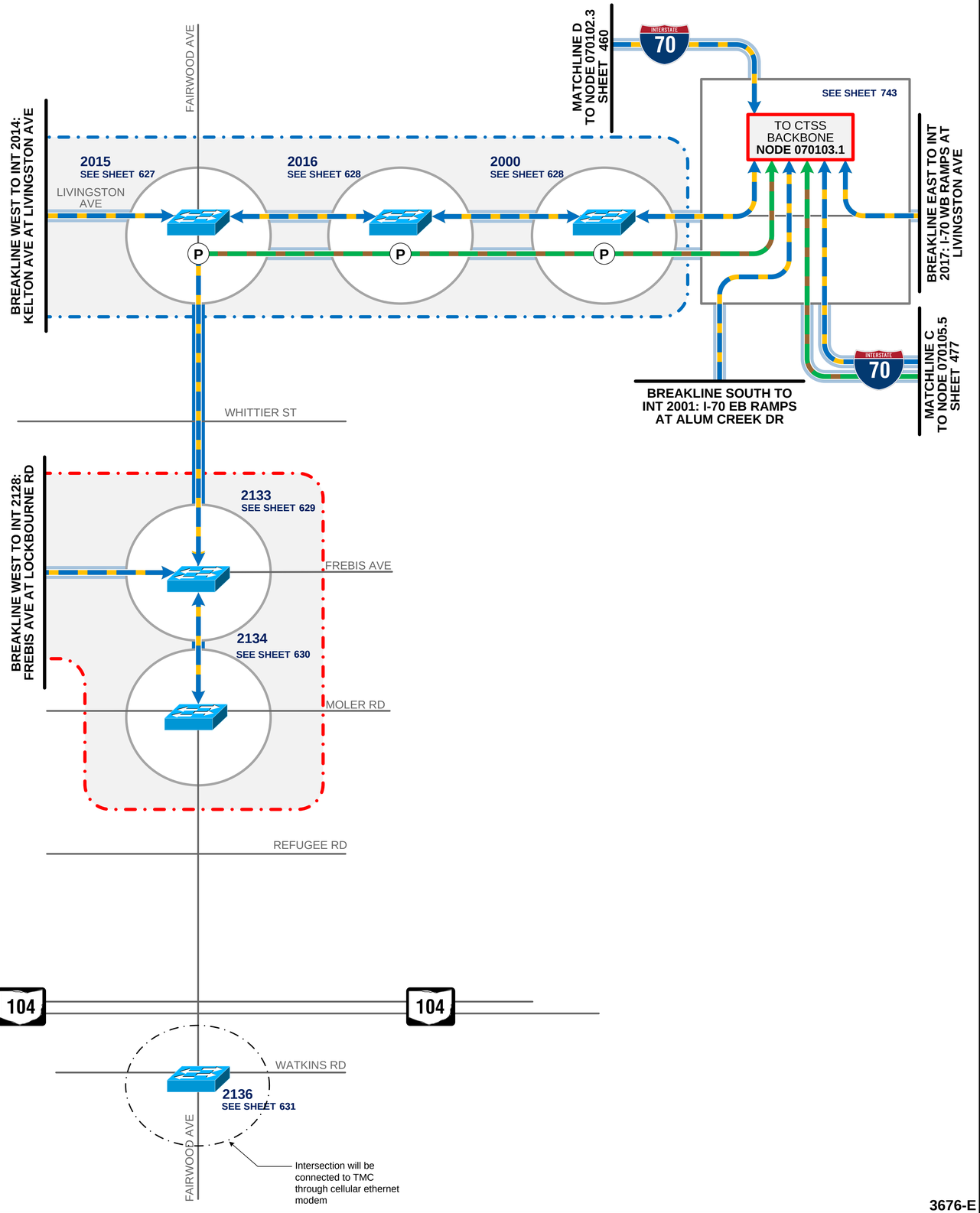
SULLIVANT AVE, GENDER RD AND TUSSING RD

CITY OF COLUMBUS TRAFFIC SIGNAL SYSTEM
(CTSS) PHASE F – FINAL SUBMITTAL

475
768

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LEGEND

Proposed Network Connection

- Outer Line Color Indicates Buffer Tube Used
- Inner Line Colors Indicate Fibers Used
- Layer 2 Ethernet Switch (CTSS)
- Layer 2 Ethernet Switch (CVE)
- Splice Enclosure
- CAT5E Cable

Proposed Fiber Optic Cable

- Fiber Optic Cable
- 288 Strand Cable
- Primary Wireless Link

Existing Network Connection

- Outer Line Color Indicates Buffer Tube Used
- Inner Line Colors Indicate Fibers Used

Existing Fiber Optic Cable

- 288 Strand Cable
- 144 Strand Cable
- Existing Wireless Link
- Existing Patch at Intersection
- Patch at Intersection

NOT TO SCALE

CIP: 540007 - 100060
PID NUMBER: 110521

FAIRWOOD AVE AND MOUND ST

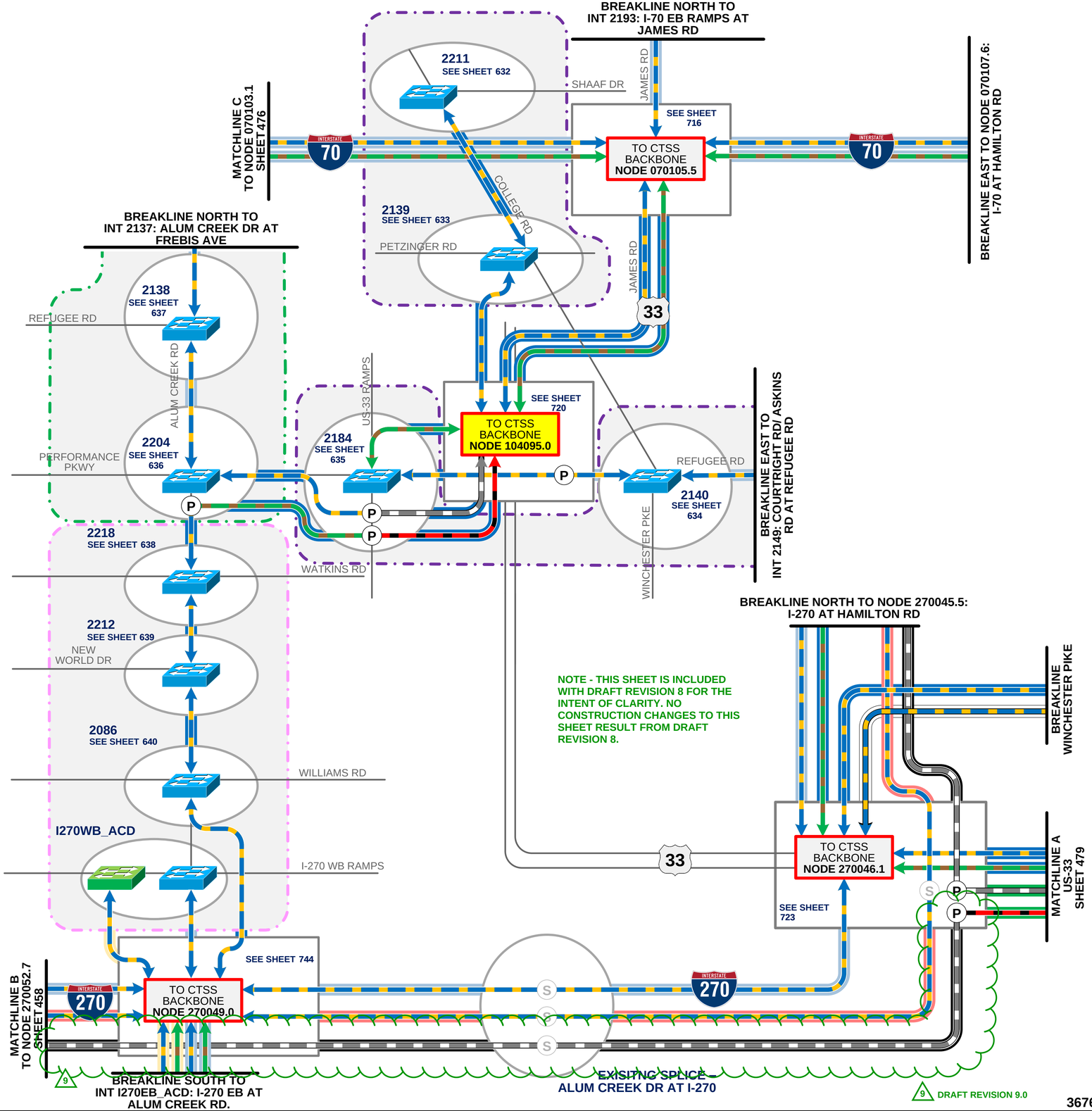
CITY OF COLUMBUS TRAFFIC SIGNAL SYSTEM
(CTSS) PHASE F – FINAL SUBMITTAL

476
768

3676-E

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LEGEND

Proposed Network Connection
- Outer Line Color Indicates Buffer Tube Used
- Inner Line Colors Indicate Fibers Used
- Layer 2 Ethernet Switch (CTSS)
- Layer 2 Ethernet Switch (CVE)
- Splice Enclosure
- CAT5E Cable

Proposed Fiber Optic Cable
- Fiber Optic Cable
- 288 Strand Cable
- Primary Wireless Link

Existing Network Connection
- Outer Line Color Indicates Buffer Tube Used
- Inner Line Colors Indicate Fibers Used

Existing Fiber Optic Cable
- 288 Strand Cable
- 144 Strand Cable
- Existing Wireless Link
- Existing Patch at Intersection
- Patch at Intersection

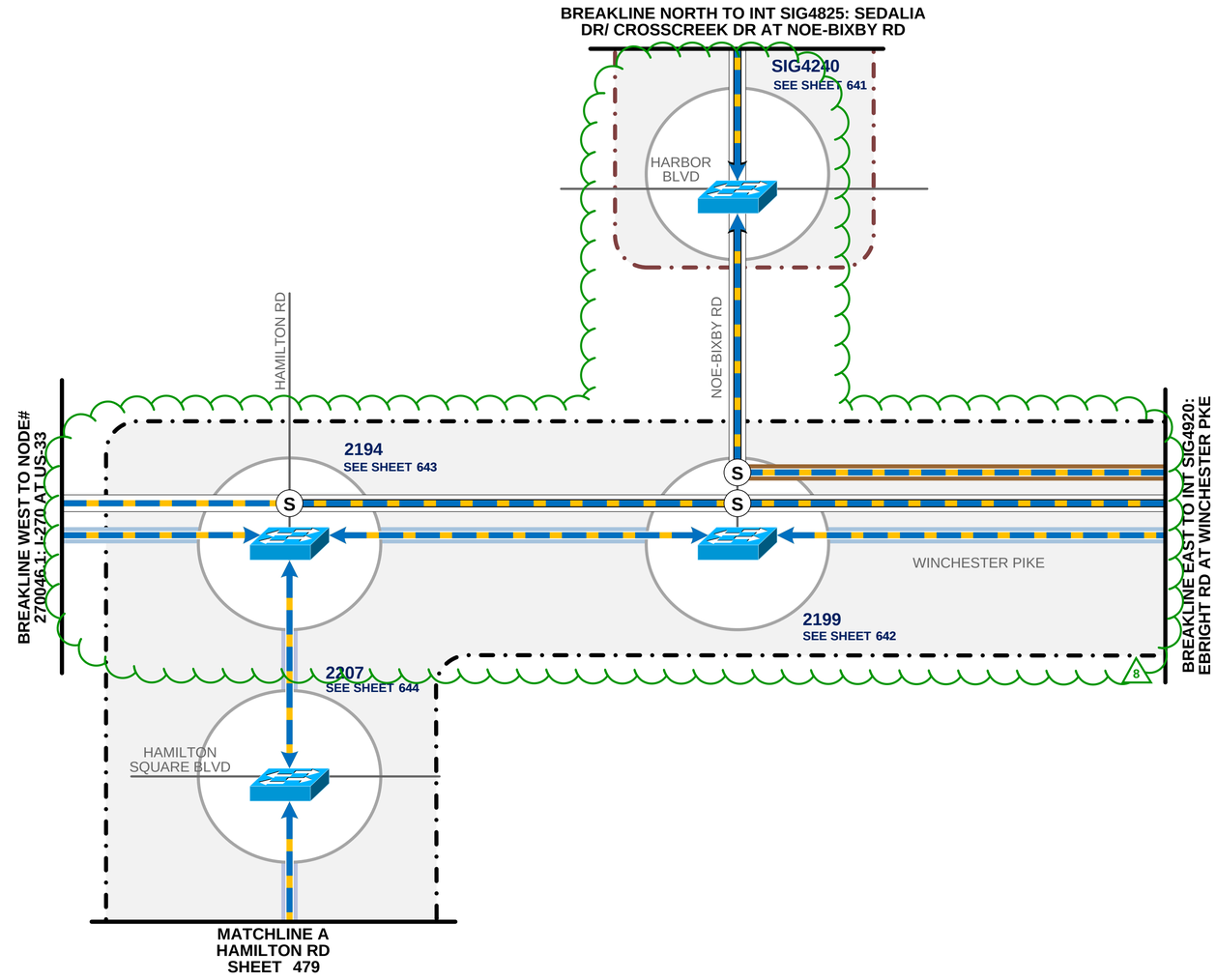
NOT TO SCALE

CIP: 540007 - 100060
PID NUMBER: 110521

REFUGEE RD AND ALUM CREEK DR

CITY OF COLUMBUS TRAFFIC SIGNAL SYSTEM
(CTSS) PHASE F – FINAL SUBMITTAL

3676-E



LEGEND

Proposed Network Connection
- Outer Line Color Indicates Buffer Tube Used
- Inner Line Colors Indicate Fibers Used
- Layer 2 Ethernet Switch (CTSS)
- Layer 2 Ethernet Switch (CVE)
- Splice Enclosure
- CAT5E Cable

Proposed Fiber Optic Cable
- Fiber Optic Cable
- 288 Strand Cable
- Primary Wireless Link

Existing Network Connection
- Outer Line Color Indicates Buffer Tube Used
- Inner Line Colors Indicate Fibers Used

Existing Fiber Optic Cable
- 288 Strand Cable
- 144 Strand Cable
- Existing Wireless Link
- Existing Patch at Intersection
- Patch at Intersection

8 DRAFT REVISION 8.0

3676-E

NOT TO SCALE

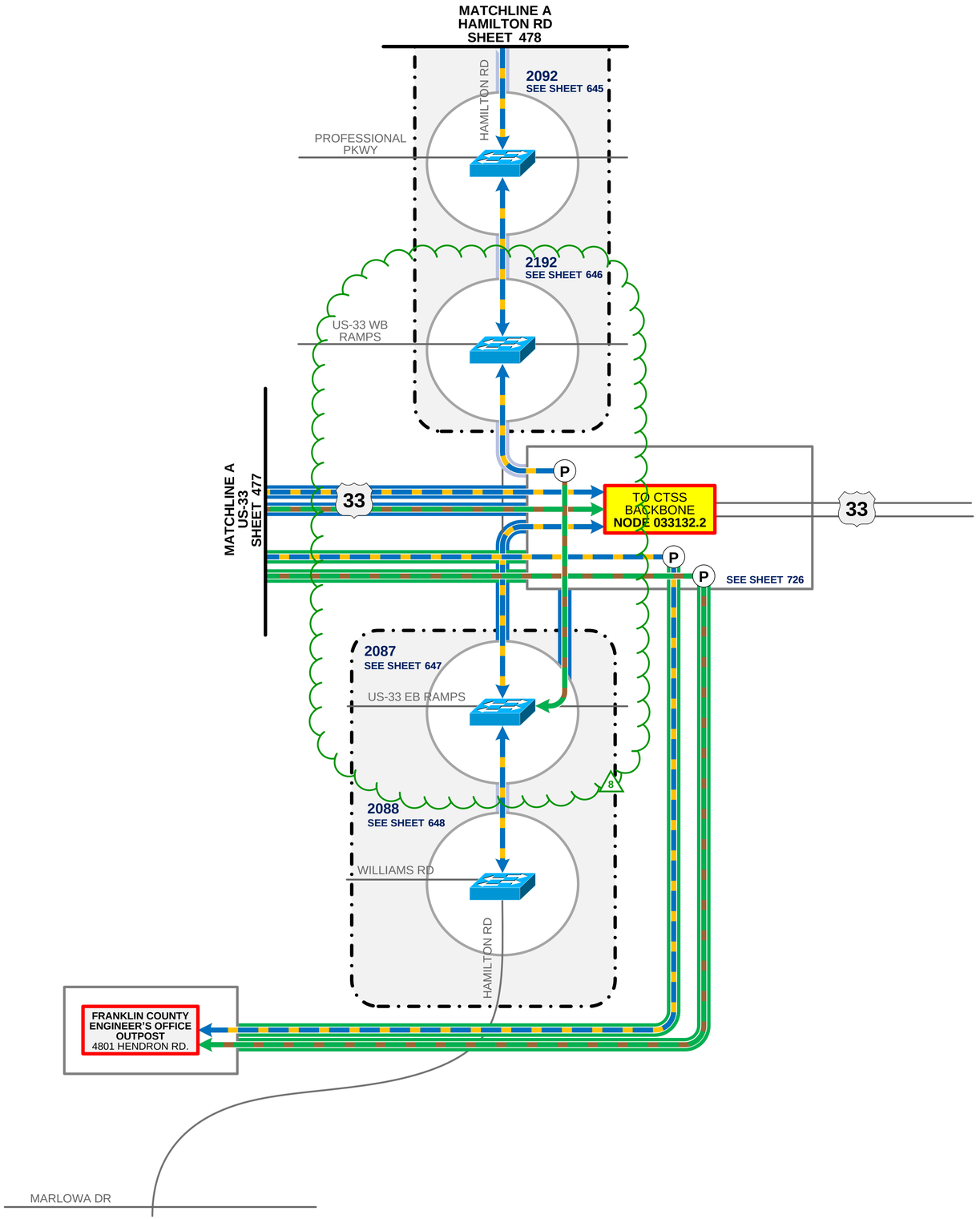
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PID NUMBER: 110521

HAMILTON RD AND NOE-BIXBY RD

CITY OF COLUMBUS TRAFFIC SIGNAL SYSTEM
(CTSS) PHASE F – FINAL SUBMITTAL

478
768

J:\Jobs\70202 - CTSS Phase F\TECHPROD\Communications\CTSS Phase F Communications_Layer2.vsd - Hamilton Rd-1 layout ~ last saved by: Sai Geetha Koganti 3/21/2024 11:54:16 AM ~ printed: 3/21/2024 11:54:16 AM



LEGEND

Proposed Network Connection
- Outer Line Color Indicates Buffer Tube Used
- Inner Line Colors Indicate Fibers Used
- Layer 2 Ethernet Switch (CTSS)
- Layer 2 Ethernet Switch (CVE)
- Splice Enclosure
- CAT5E Cable

Proposed Fiber Optic Cable
- Fiber Optic Cable
- 288 Strand Cable
- Primary Wireless Link

Existing Network Connection
- Outer Line Color Indicates Buffer Tube Used
- Inner Line Colors Indicate Fibers Used

Existing Fiber Optic Cable
- 288 Strand Cable
- 144 Strand Cable
- Existing Wireless Link
- Existing Patch at Intersection
- Patch at Intersection

8 DRAFT REVISION 8.0

3676-E

NOT TO SCALE

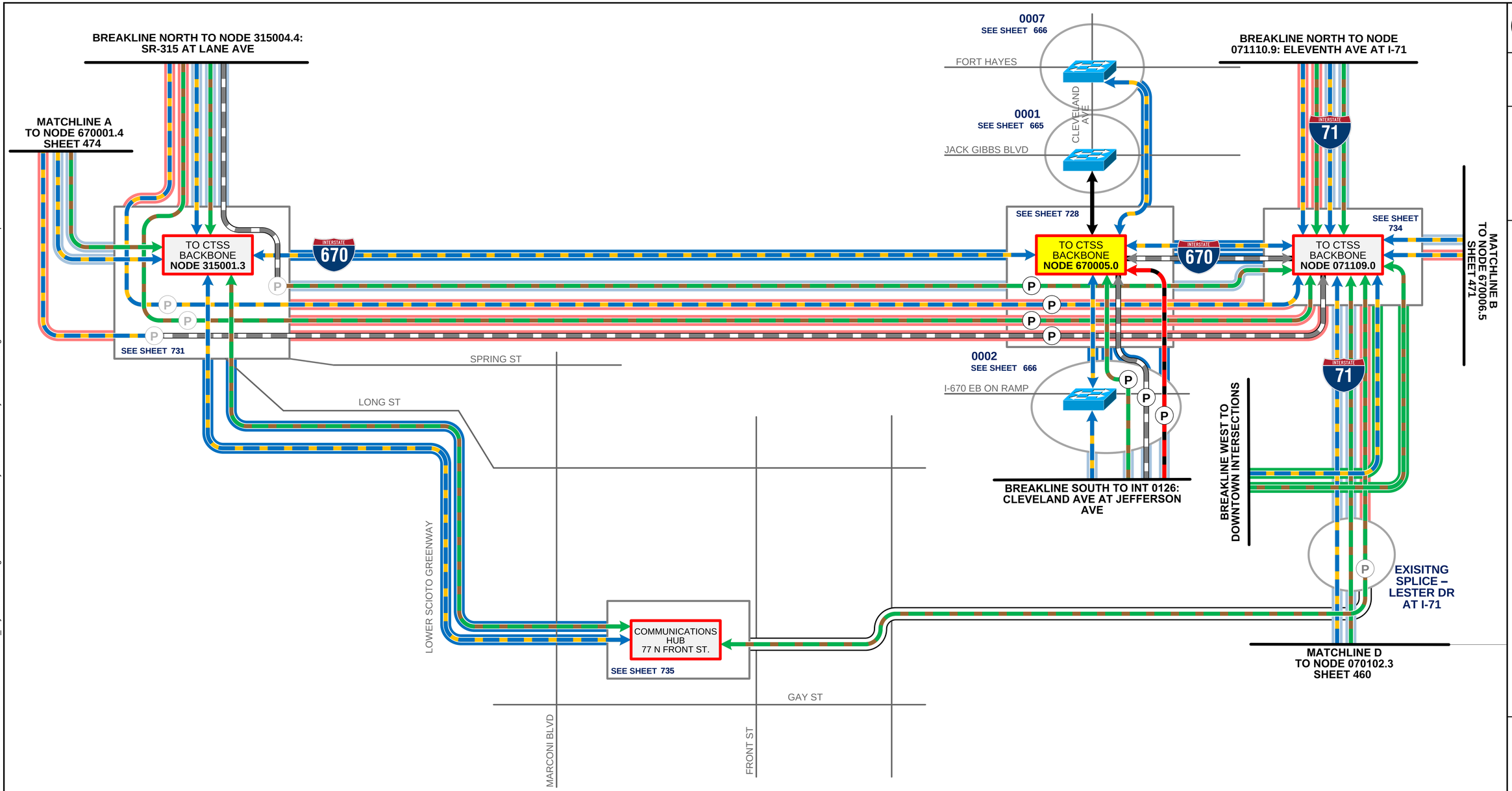
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PID NUMBER: 110521

HAMILTON RD

CITY OF COLUMBUS TRAFFIC SIGNAL SYSTEM
(CTSS) PHASE F – FINAL SUBMITTAL

479
768

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LEGEND

Proposed Network Connection
- Outer Line Color Indicates Buffer Tube Used
- Inner Line Colors Indicate Fibers Used
- Layer 2 Ethernet Switch (CTSS)
- Layer 2 Ethernet Switch (CVE)
- Splice Enclosure
- CAT5E Cable

Proposed Fiber Optic Cable
- Fiber Optic Cable
- 288 Strand Cable
- Primary Wireless Link

Existing Network Connection
- Outer Line Color Indicates Buffer Tube Used
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Existing Fiber Optic Cable
- 288 Strand Cable
- 144 Strand Cable
- Existing Wireless Link
- Existing Patch at Intersection
- Patch at Intersection

NOT TO SCALE

CIP: 540007 - 100060
PID NUMBER: 110521

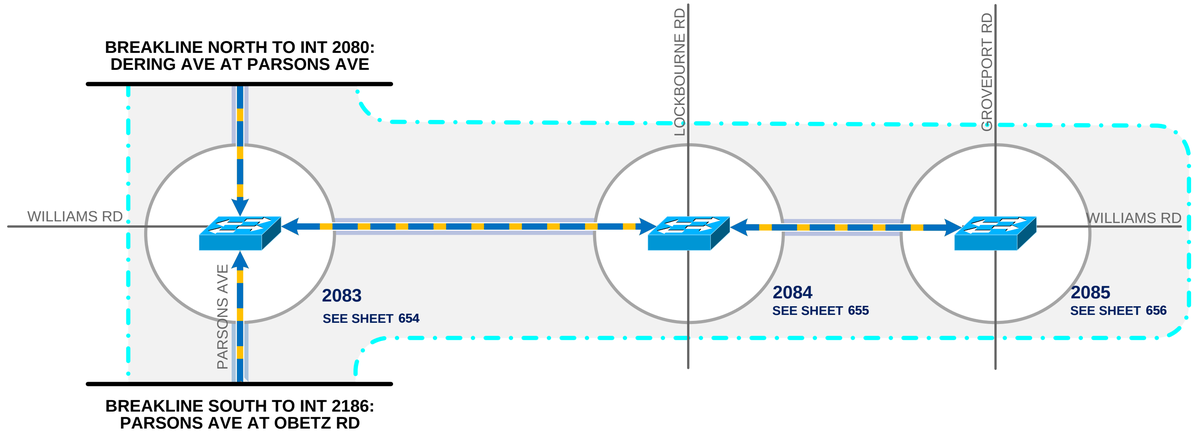
LONG ST AND I-71 AT I-670

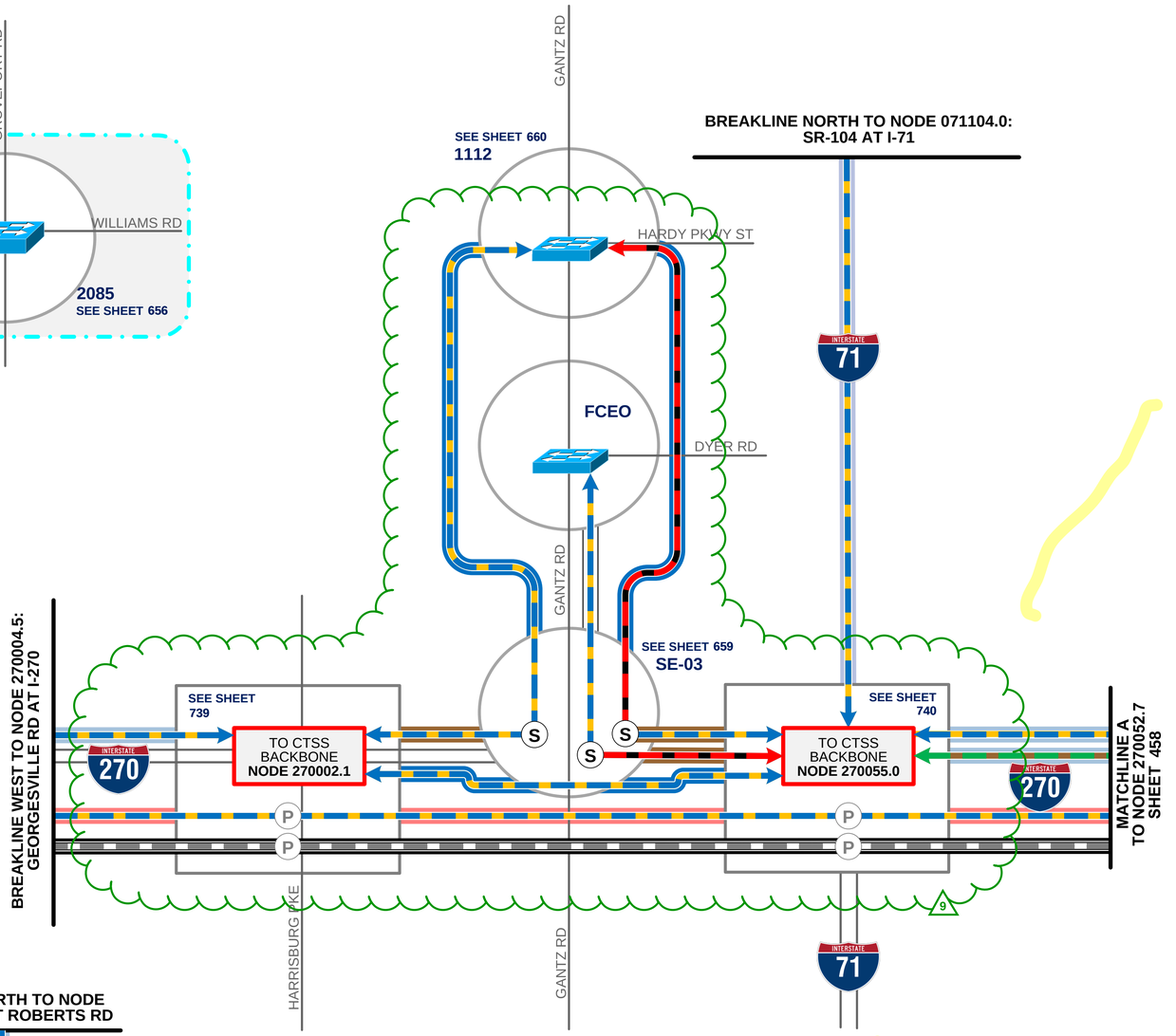
CITY OF COLUMBUS TRAFFIC SIGNAL SYSTEM
(CTSS) PHASE F – FINAL SUBMITTAL

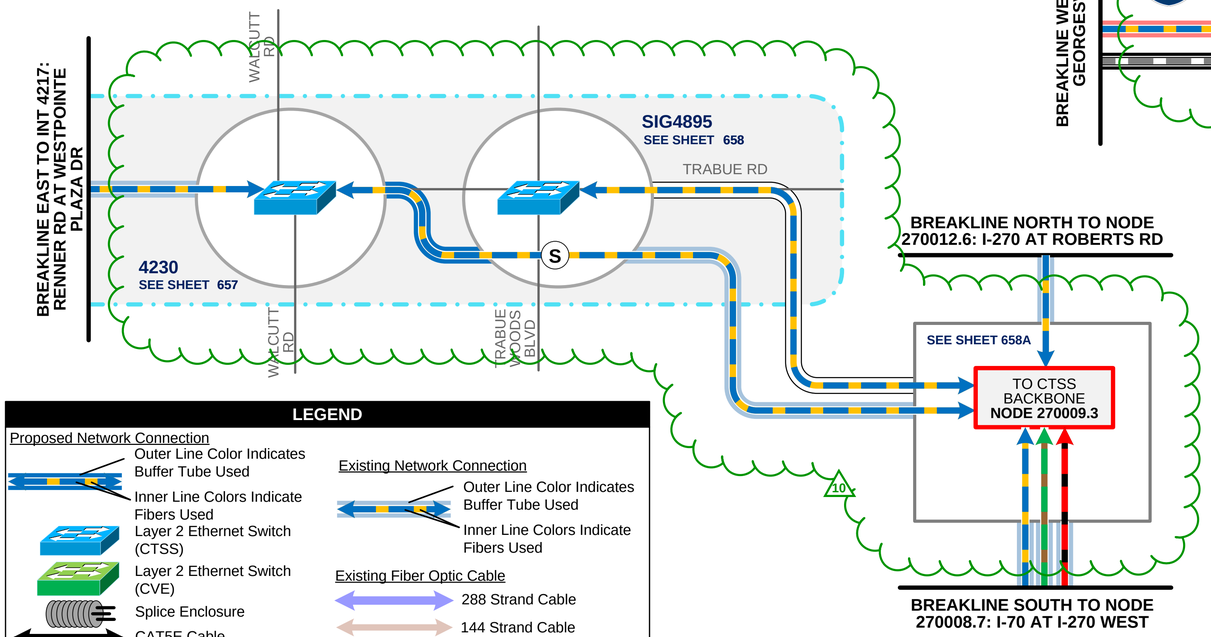
480
768

3676-E

\\colw00\pmwork\Jobs\70202 - CTSS Phase F\TECHPROD\Communications\CTSS Phase F Communications_Layer2.vsd - Long St and I-71 at I-670 layout ~ last saved by: Sai Geetha Koganti 6/1/2022 11:36:51 AM ~ printed: 6/1/2022 11:36:51 AM







LEGEND

Proposed Network Connection
- Outer Line Color Indicates Buffer Tube Used
- Inner Line Colors Indicate Fibers Used
- Layer 2 Ethernet Switch (CTSS)
- Layer 2 Ethernet Switch (CVE)
- Splice Enclosure
- CAT5E Cable

Proposed Fiber Optic Cable
- Fiber Optic Cable
- 288 Strand Cable
- Primary Wireless Link

Existing Network Connection
- Outer Line Color Indicates Buffer Tube Used
- Inner Line Colors Indicate Fibers Used

Existing Fiber Optic Cable
- 288 Strand Cable
- 144 Strand Cable
- Existing Wireless Link
- Existing Patch at Intersection
- Patch at Intersection

10 DRAFT REVISION 10.0

NOT TO SCALE

CIP: 540007 - 100060
PID NUMBER: 110521

WILLIAMS RD, GANTZ RD, AND TRABUE RD.

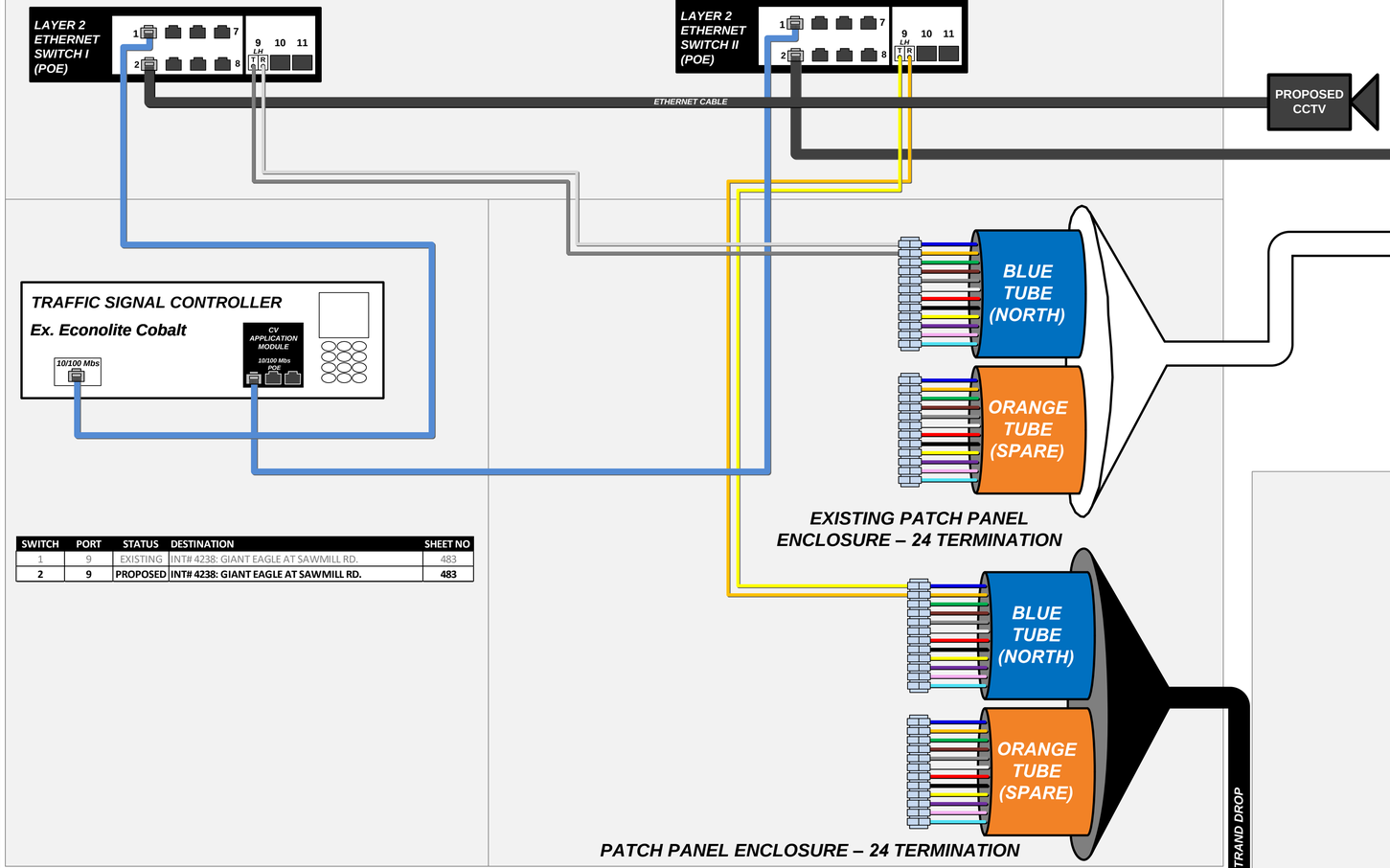
CITY OF COLUMBUS TRAFFIC SIGNAL SYSTEM
(CTSS) PHASE F – FINAL SUBMITTAL

481
768

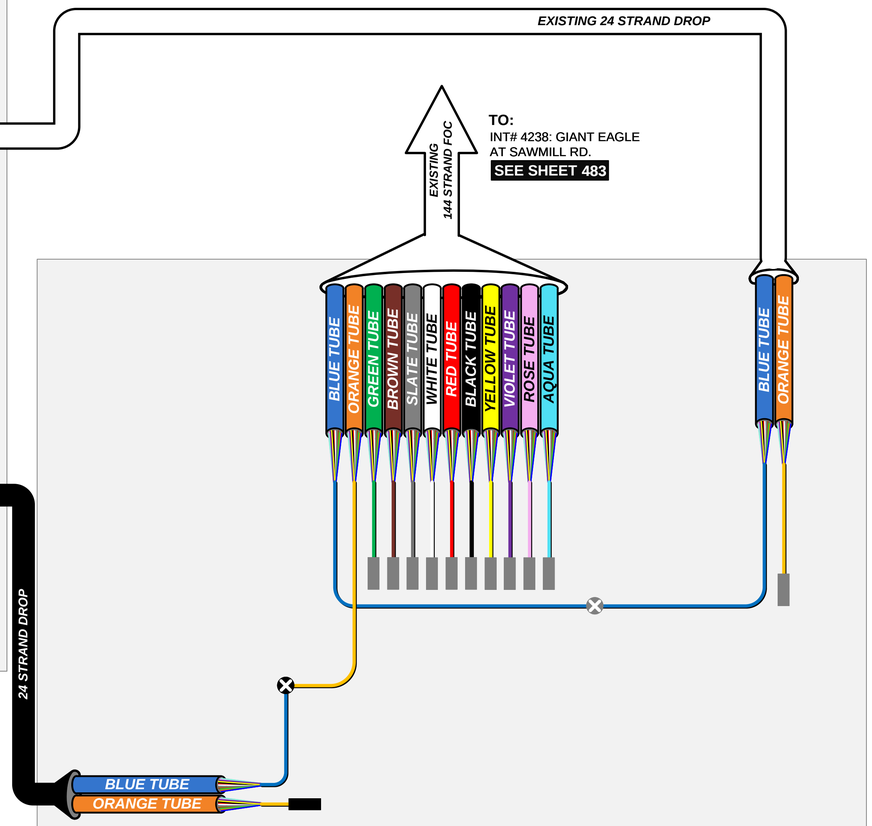
3676-E

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TRAFFIC SIGNAL CABINET ASSEMBLY



SWITCH	PORT	STATUS	DESTINATION	SHEET NO
1	9	EXISTING	INT# 4238: GIANT EAGLE AT SAWMILL RD.	483
2	**9**	**PROPOSED**	**INT# 4238: GIANT EAGLE AT SAWMILL RD.**	**483**



LEGEND

- FIBER PATCH CABLES T/R STANDARD
- FIBER PATCH CABLES R/T CROSSOVER
- EXISTING FIBER PATCH CABLES
- OUTDOOR CAT 5E CABLE
- INDOOR CAT 5E CABLE
- CAT 5E CABLE TO BE REMOVED
- TERMINATION PANEL UPC (Blue)/APC (Green)
- EXISTING/PROPOSED FIBER OR BUFFER TUBE LEFT COILED IN SPLICE ENCLOSURE
- FUSION SPLICE – 6 FIBERS/ SINGLE FIBER
- FUSION SPLICE – 12 FIBER BUFFER TUBE
- EXISTING FUSION SPLICE – 12 FIBER BUFFER TUBE
- INTERSECTION LOCATION
- GBIC OPTICAL TRANSCEIVER LH - SHORT HAUL LED ZX – LONG HAUL LASER
- SFP/COPPER/CAT5/5E/6 CONNECTOR
- COPPER/CAT5/5E/6 CONNECTOR
- 144 STRAND SMF
- 288 STRAND SMF
- WIRELESS ETHERNET RADIO

KEY PLAN



INTERSECTION 4253

REFER TO SHEET 61 FOR CONSTRUCTION PLAN DETAILS
REFER TO SHEET 451 FOR COMM OVERVIEW DETAILS

CIP: 530163 - 100014

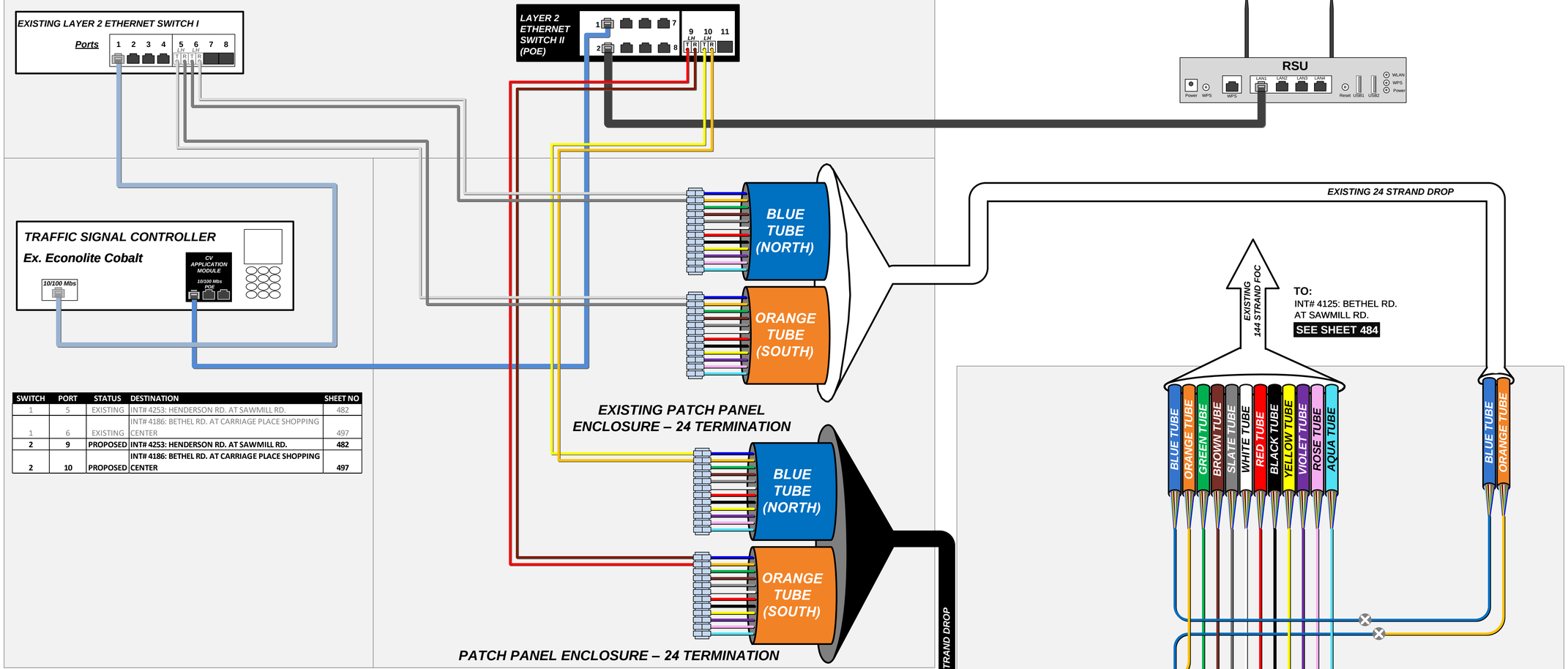
INT# 4253: HENDERSON RD. AT SAWMILL RD.
COMMUNICATIONS DIAGRAM

CITY OF COLUMBUS TRAFFIC SIGNAL SYSTEM
(CTSS) PHASE F – FINAL SUBMITTAL

482
768

\\colw00\pmwork\Jobs\70202 - CTSS Phase F\TECHPROD\Communications\Intersection Splicing Details\482-496.vsd - 4253 layout ~ last saved by: skoganti 6/1/2022 9:35:13 AM ~ printed: 6/1/2022 9:35:13 AM

TRAFFIC SIGNAL CABINET ASSEMBLY

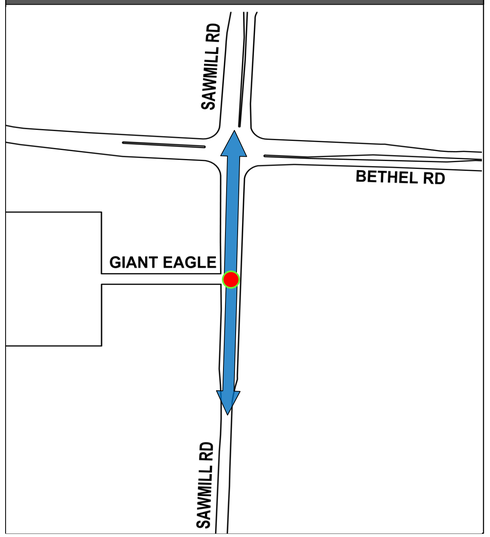


SWITCH	PORT	STATUS	DESTINATION	SHEET NO
1	5	EXISTING	INT# 4253: HENDERSON RD. AT SAWMILL RD.	482
1	6	EXISTING	INT# 4186: BETHEL RD. AT CARRIAGE PLACE SHOPPING CENTER	497
2	**9**	**PROPOSED**	**INT# 4253: HENDERSON RD. AT SAWMILL RD.**	**482**
2	**10**	**PROPOSED**	**INT# 4186: BETHEL RD. AT CARRIAGE PLACE SHOPPING CENTER**	**497**

LEGEND

- FIBER PATCH CABLES T/R STANDARD
- FIBER PATCH CABLES R/T CROSSOVER
- EXISTING FIBER PATCH CABLES
- OUTDOOR CAT 5E CABLE
- INDOOR CAT 5E CABLE
- CAT 5E CABLE TO BE REMOVED
- TERMINATION PANEL UPC (Blue)/APC (Green)
- EXISTING/PROPOSED FIBER OR BUFFER TUBE LEFT COILED IN SPLICE ENCLOSURE
- FUSION SPLICE – 6 FIBERS/ SINGLE FIBER
- FUSION SPLICE – 12 FIBER BUFFER TUBE
- EXISTING FUSION SPLICE – 12 FIBER BUFFER TUBE
- INTERSECTION LOCATION
- GBIC OPTICAL TRANSCEIVER LH - SHORT HAUL LED ZX – LONG HAUL LASER
- SFP/COPPER/CAT5/5E/6 CONNECTOR
- COPPER/CAT5/5E/6 CONNECTOR
- 144 STRAND SMF
- 288 STRAND SMF
- WIRELESS ETHERNET RADIO

KEY PLAN



INTERSECTION 4238

REFER TO SHEET 61 FOR CONSTRUCTION PLAN DETAILS
REFER TO SHEET 451 FOR COMM OVERVIEW DETAILS

CIP: 530163 - 100014

INT# 4238: GIANT EAGLE AT SAWMILL RD.
COMMUNICATIONS DIAGRAM

CITY OF COLUMBUS TRAFFIC SIGNAL SYSTEM
(CTSS) PHASE F – FINAL SUBMITTAL

483
768

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TRAFFIC SIGNAL CABINET ASSEMBLY

EXISTING LAYER 2 ETHERNET SWITCH I

Ports 1 2 3 4 5 6 7 8 (5 LH, 6 LH)

LAYER 2 ETHERNET SWITCH II (POE)

1 2 7 8 9 LH 10 LH 11

EXISTING CCTV FIELD BOX

VIDEO/PTZ IP DATA

CCTV/HEATER POWER

ANALOG VIDEO

10/100 Mbs

RSU

Power WPS WPS LAN1 LAN2 LAN3 LAN4 Reset USB1 USB2 WLAN WPS Power

EXISTING COMPOSITE CCTV CABLE

EXISTING CCTV

TRAFFIC SIGNAL CONTROLLER

Ex. Econolite Cobalt

CV APPLICATION MODULE

10/100 Mbs POE

10/100 Mbs

EXISTING PATCH PANEL ENCLOSURE – (2)-24 TERMINATION

BLUE TUBE (NORTH)

ORANGE TUBE (SOUTH)

BLUE TUBE (EAST)

ORANGE TUBE (SPARE)

BLUE TUBE (EAST)

ORANGE TUBE (SPARE)

BLUE TUBE (NORTH)

ORANGE TUBE (SOUTH)

PATCH PANEL ENCLOSURE – (2)-24 TERMINATION

24 STRAND DROP

24 STRAND DROP

EXISTING 24 STRAND DROP

EXISTING 24 STRAND DROP

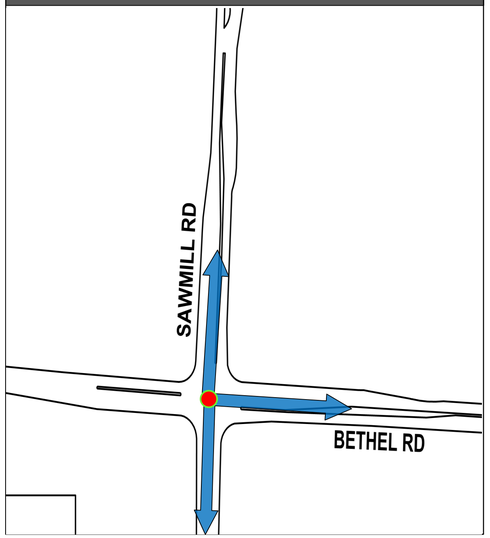
MATCHLINE 'A' - SEE SHEET 485
TO CONTROL CABINET

SWITCH	PORT	STATUS	DESTINATION	SHEET NO
1	5	EXISTING	INT# 4186: BETHEL RD. AT CARRIAGE PLACE SHOPPING CENTER	497
1	6	EXISTING	INT# 4185: RESLER RD. AT SAWMILL RD.	486
2	**9**	**PROPOSED**	**EXISTING COMMUNICATION NODE# 315008.6: BETHEL RD. AT SR-315**	**695**
2	**10**	**PROPOSED**	**INT# 4185: RESLER RD. AT SAWMILL RD.**	**486**

LEGEND

- FIBER PATCH CABLES T/R STANDARD
- FIBER PATCH CABLES R/T CROSSOVER
- EXISTING FIBER PATCH CABLES
- OUTDOOR CAT 5E CABLE
- INDOOR CAT 5E CABLE
- CAT 5E CABLE TO BE REMOVED
- TERMINATION PANEL UPC (Blue)/APC (Green)
- EXISTING/PROPOSED FIBER OR BUFFER TUBE LEFT COILED IN SPLICE ENCLOSURE
- FUSION SPLICE – 6 FIBERS/ SINGLE FIBER
- FUSION SPLICE – 12 FIBER BUFFER TUBE
- EXISTING FUSION SPLICE – 12 FIBER BUFFER TUBE
- INTERSECTION LOCATION
- GBIC OPTICAL TRANSCEIVER LH - SHORT HAUL LED ZX – LONG HAUL LASER
- SFP/COPPER/CAT5/5E/6 CONNECTOR
- COPPER/CAT5/5E/6 CONNECTOR
- 144 STRAND SMF
- 288 STRAND SMF
- WIRELESS ETHERNET RADIO

KEY PLAN



INTERSECTION 4125

REFER TO SHEET 62 FOR CONSTRUCTION PLAN DETAILS
REFER TO SHEET 451 FOR COMM OVERVIEW DETAILS

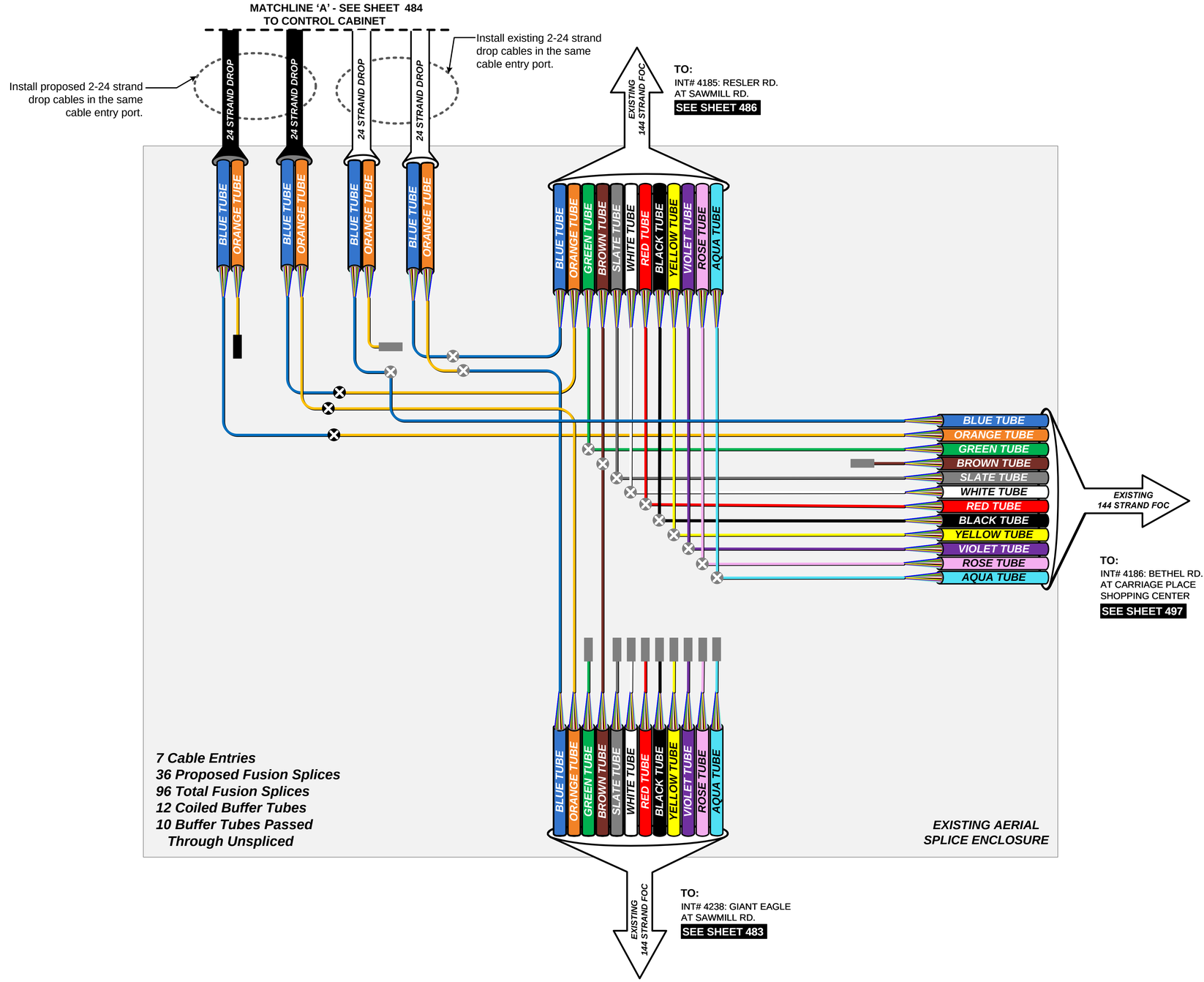
CIP: 530163 - 100014

INT# 4125: BETHEL RD. AT SAWMILL RD.
COMMUNICATIONS DIAGRAM

CITY OF COLUMBUS TRAFFIC SIGNAL SYSTEM
(CTSS) PHASE F – FINAL SUBMITTAL

484
768

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INTERSECTION 4125

REFER TO SHEET 62 FOR CONSTRUCTION PLAN DETAILS
REFER TO SHEET 451 FOR COMM OVERVIEW DETAILS

CIP: 530163 - 100014

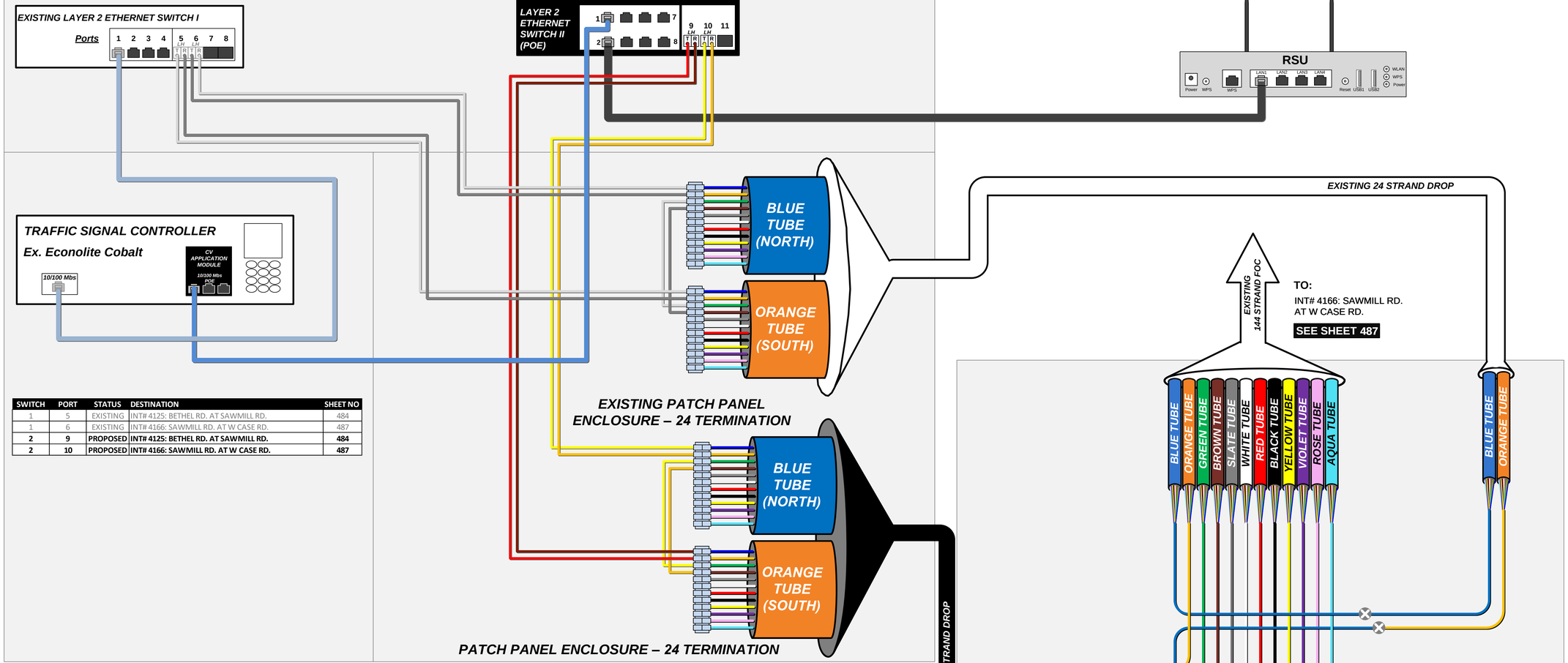
INT# 4125: BETHEL RD. AT SAWMILL RD.
COMMUNICATIONS DIAGRAM

CITY OF COLUMBUS TRAFFIC SIGNAL SYSTEM
(CTSS) PHASE F – FINAL SUBMITTAL

485
768

\\colw00\pmwork\Jobs\70202 - CTSS Phase F\TECHPROD\Communications\Intersection Splicing Details\482-496.vsd - 4125-Splicing layout ~ last saved by: skoganti 6/1/2022 9:35:13 AM ~ printed: 6/1/2022 9:35:13 AM

TRAFFIC SIGNAL CABINET ASSEMBLY

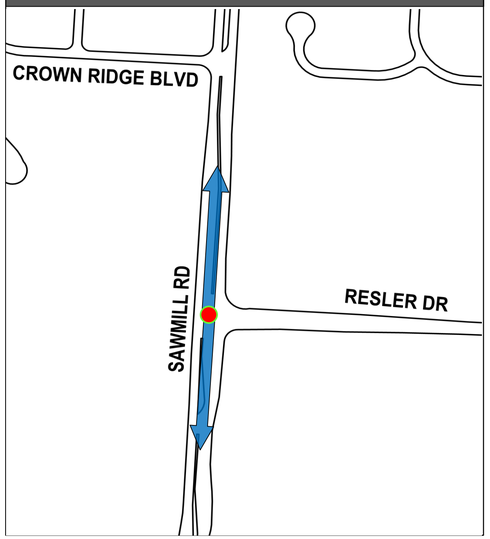


SWITCH	PORT	STATUS	DESTINATION	SHEET NO
1	5	EXISTING	INT# 4125: BETHEL RD. AT SAWMILL RD.	484
1	6	EXISTING	INT# 4166: SAWMILL RD. AT W CASE RD.	487
2	**9**	**PROPOSED**	**INT# 4125: BETHEL RD. AT SAWMILL RD.**	**484**
2	**10**	**PROPOSED**	**INT# 4166: SAWMILL RD. AT W CASE RD.**	**487**

LEGEND

- FIBER PATCH CABLES T/R STANDARD
- FIBER PATCH CABLES R/T CROSSOVER
- EXISTING FIBER PATCH CABLES
- OUTDOOR CAT 5E CABLE
- INDOOR CAT 5E CABLE
- CAT 5E CABLE TO BE REMOVED
- TERMINATION PANEL UPC (Blue)/APC (Green)
- EXISTING/PROPOSED FIBER OR BUFFER TUBE LEFT COILED IN SPLICE ENCLOSURE
- FUSION SPLICE – 6 FIBERS/ SINGLE FIBER
- FUSION SPLICE – 12 FIBER BUFFER TUBE
- EXISTING FUSION SPLICE – 12 FIBER BUFFER TUBE
- INTERSECTION LOCATION
- GBIC OPTICAL TRANSCEIVER LH - SHORT HAUL LED ZX – LONG HAUL LASER
- SFP/COPPER/CAT5/5E/6 CONNECTOR
- COPPER/CAT5/5E/6 CONNECTOR
- 144 STRAND SMF
- 288 STRAND SMF
- WIRELESS ETHERNET RADIO

KEY PLAN



INTERSECTION 4185

REFER TO SHEET 62 FOR CONSTRUCTION PLAN DETAILS
REFER TO SHEET 451 FOR COMM OVERVIEW DETAILS

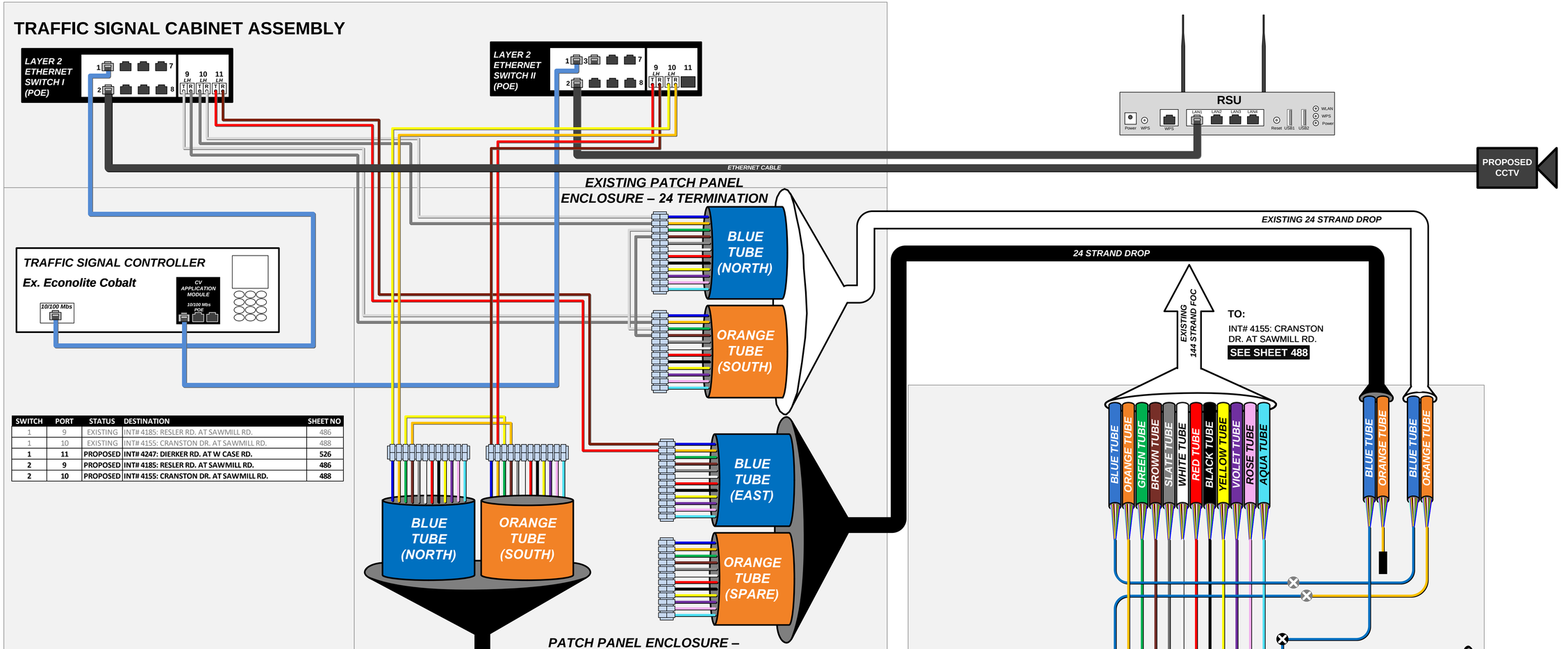
CIP: 530163 - 100014

INT# 4185: RESLER RD. AT SAWMILL RD.
COMMUNICATIONS DIAGRAM

CITY OF COLUMBUS TRAFFIC SIGNAL SYSTEM
(CTSS) PHASE F – FINAL SUBMITTAL

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TRAFFIC SIGNAL CABINET ASSEMBLY

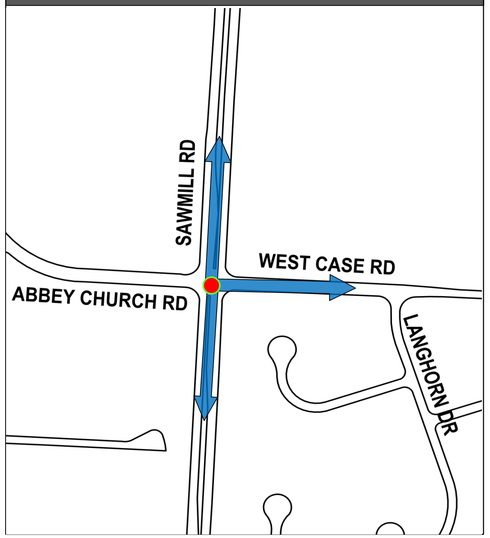


SWITCH	PORT	STATUS	DESTINATION	SHEET NO
1	9	EXISTING	INT# 4185: RESLER RD. AT SAWMILL RD.	486
1	10	EXISTING	INT# 4155: CRANSTON DR. AT SAWMILL RD.	488
1	**11**	**PROPOSED**	**INT# 4247: DIERKER RD. AT W CASE RD.**	**526**
2	**9**	**PROPOSED**	**INT# 4185: RESLER RD. AT SAWMILL RD.**	**486**
2	**10**	**PROPOSED**	**INT# 4155: CRANSTON DR. AT SAWMILL RD.**	**488**

LEGEND

- FIBER PATCH CABLES T/R STANDARD
- FIBER PATCH CABLES R/T CROSSOVER
- EXISTING FIBER PATCH CABLES
- OUTDOOR CAT 5E CABLE
- INDOOR CAT 5E CABLE
- CAT 5E CABLE TO BE REMOVED
- TERMINATION PANEL UPC (Blue)/APC (Green)
- EXISTING/PROPOSED FIBER OR BUFFER TUBE LEFT COILED IN SPLICE ENCLOSURE
- FUSION SPLICE – 6 FIBERS/ SINGLE FIBER
- FUSION SPLICE – 12 FIBER BUFFER TUBE
- EXISTING FUSION SPLICE – 12 FIBER BUFFER TUBE
- INTERSECTION LOCATION
- GBIC OPTICAL TRANSCEIVER LH - SHORT HAUL LED ZX – LONG HAUL LASER
- SFP/COPPER/CAT5/5E/6 CONNECTOR
- COPPER/CAT5/5E/6 CONNECTOR
- 144 STRAND SMF
- 288 STRAND SMF
- WIRELESS ETHERNET RADIO

KEY PLAN



INTERSECTION 4166

REFER TO SHEET 116 FOR CONSTRUCTION PLAN DETAILS
REFER TO SHEET 451 FOR COMM OVERVIEW DETAILS

CIP: 530163 - 100014

INT# 4166: SAWMILL RD. AT W CASE RD.
COMMUNICATIONS DIAGRAM

CITY OF COLUMBUS TRAFFIC SIGNAL SYSTEM
(CTSS) PHASE F – FINAL SUBMITTAL

487
768

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TRAFFIC SIGNAL CABINET ASSEMBLY

EXISTING LAYER 2 ETHERNET SWITCH I

Ports 1 2 3 4 5 6 7 8

LAYER 2 ETHERNET SWITCH II (POE)

1 2 7 8 9 10 11

RSU

Power WPS WPS LAN1 LAN2 LAN3 LAN4 Reset USB1 USB2 WLAN WPS Power

TRAFFIC SIGNAL CONTROLLER

Ex. Econolite Cobalt

CV APPLICATION MODULE 10/100 Mbs POE

10/100 Mbs

BLUE TUBE (NORTH)

ORANGE TUBE (SOUTH)

EXISTING 24 STRAND DROP

EXISTING 144 STRAIND FOC

TO:
INT# 4197: KRIER DR. & TULLER PKWY. AT SAWMILL RD.
SEE SHEET 489

EXISTING PATCH PANEL ENCLOSURE – 24 TERMINATION

BLUE TUBE (NORTH)

ORANGE TUBE (SOUTH)

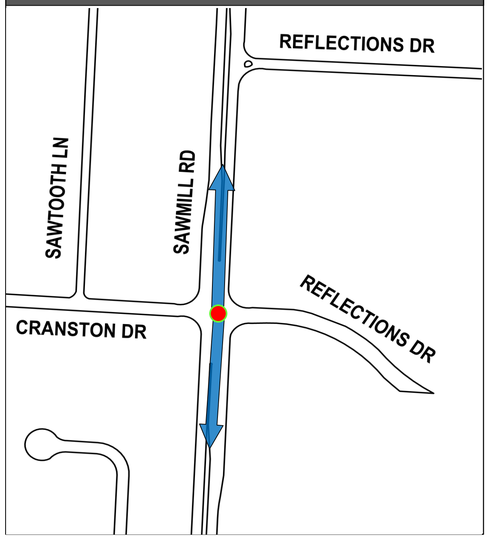
PATCH PANEL ENCLOSURE – 24 TERMINATION

SWITCH	PORT	STATUS	DESTINATION	SHEET NO
1	5	EXISTING	INT# 4166: SAWMILL RD. AT W CASE RD.	487
1	6	EXISTING	INT# 4197: KRIER DR. & TULLER PKWY. AT SAWMILL RD.	489
2	**9**	**PROPOSED**	**INT# 4166: SAWMILL RD. AT W CASE RD.**	**487**
2	**10**	**PROPOSED**	**INT# 4197: KRIER DR. & TULLER PKWY. AT SAWMILL RD.**	**489**

LEGEND

- FIBER PATCH CABLES T/R STANDARD
- FIBER PATCH CABLES R/T CROSSOVER
- EXISTING FIBER PATCH CABLES
- OUTDOOR CAT 5E CABLE
- INDOOR CAT 5E CABLE
- CAT 5E CABLE TO BE REMOVED
- TERMINATION PANEL UPC (Blue)/APC (Green)
- EXISTING/PROPOSED FIBER OR BUFFER TUBE LEFT COILED IN SPLICE ENCLOSURE
- FUSION SPLICE – 6 FIBERS/ SINGLE FIBER
- FUSION SPLICE – 12 FIBER BUFFER TUBE
- EXISTING FUSION SPLICE – 12 FIBER BUFFER TUBE
- INTERSECTION LOCATION
- GBIC OPTICAL TRANSCEIVER LH - SHORT HAUL LED ZX – LONG HAUL LASER
- SFP/COPPER/CAT5/5E/6 CONNECTOR
- COPPER/CAT5/5E/6 CONNECTOR
- 144 STRAND SMF
- 288 STRAND SMF
- WIRELESS ETHERNET RADIO

KEY PLAN



BLUE TUBE ORANGE TUBE GREEN TUBE BROWN TUBE SLATE TUBE WHITE TUBE RED TUBE BLACK TUBE YELLOW TUBE VIOLET TUBE ROSE TUBE AQUA TUBE

BLUE TUBE ORANGE TUBE

24 STRAND DROP

BLUE TUBE ORANGE TUBE

4 Cable Entries
24 Proposed Fusion Splices
48 Total Fusion Splices
10 Buffer Tubes Passed Through Unspliced

EXISTING AERIAL SPLICE ENCLOSURE

EXISTING 144 STRAND FOC

TO:
INT# 4166: SAWMILL RD. AT W CASE RD.
SEE SHEET 487

INTERSECTION 4155

REFER TO SHEET 64 FOR CONSTRUCTION PLAN DETAILS
REFER TO SHEET 451 FOR COMM OVERVIEW DETAILS

CIP: 530163 - 100014

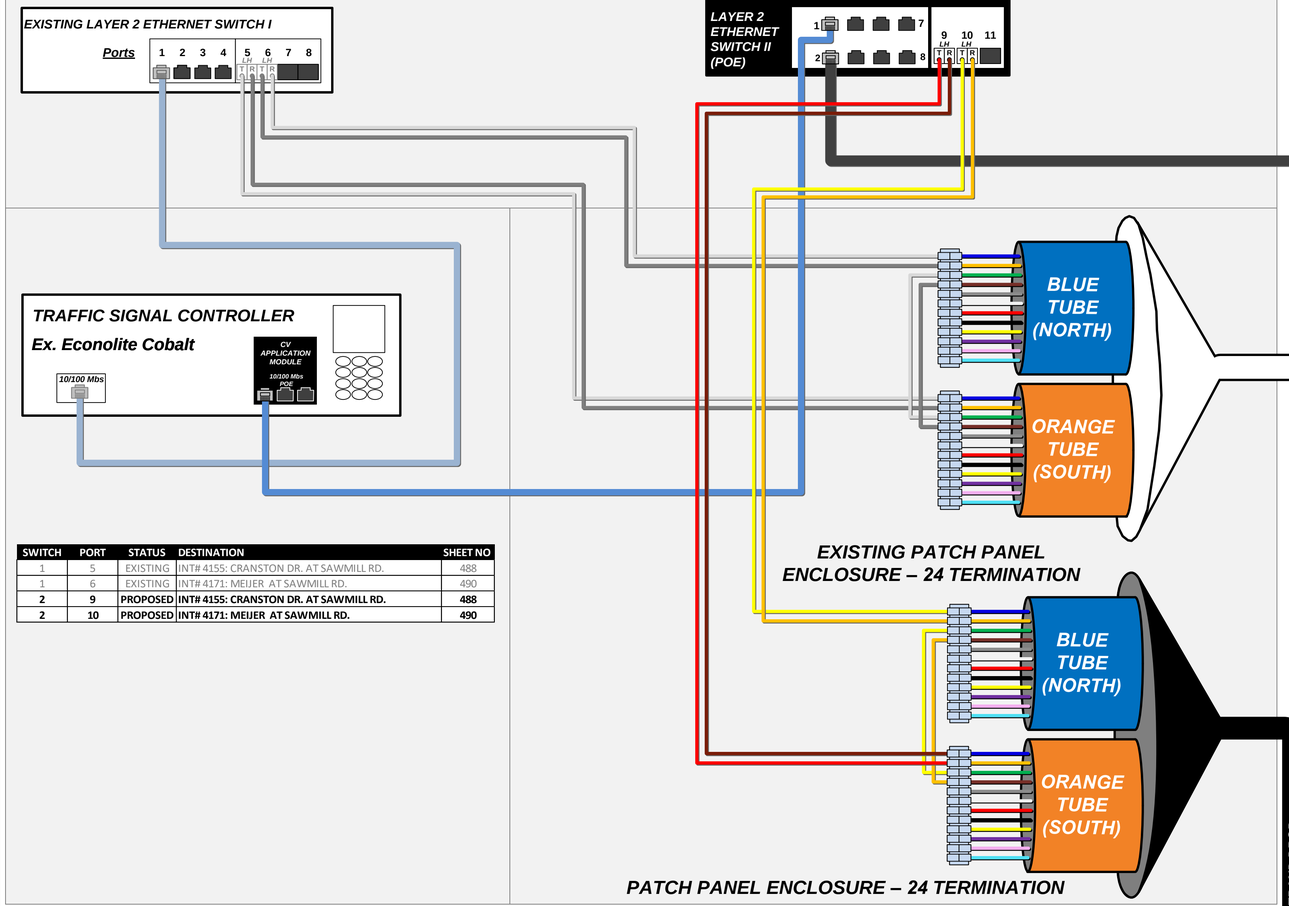
INT# 4155: CRANSTON DR. AT SAWMILL RD.
COMMUNICATIONS DIAGRAM

CITY OF COLUMBUS TRAFFIC SIGNAL SYSTEM
(CTSS) PHASE F – FINAL SUBMITTAL

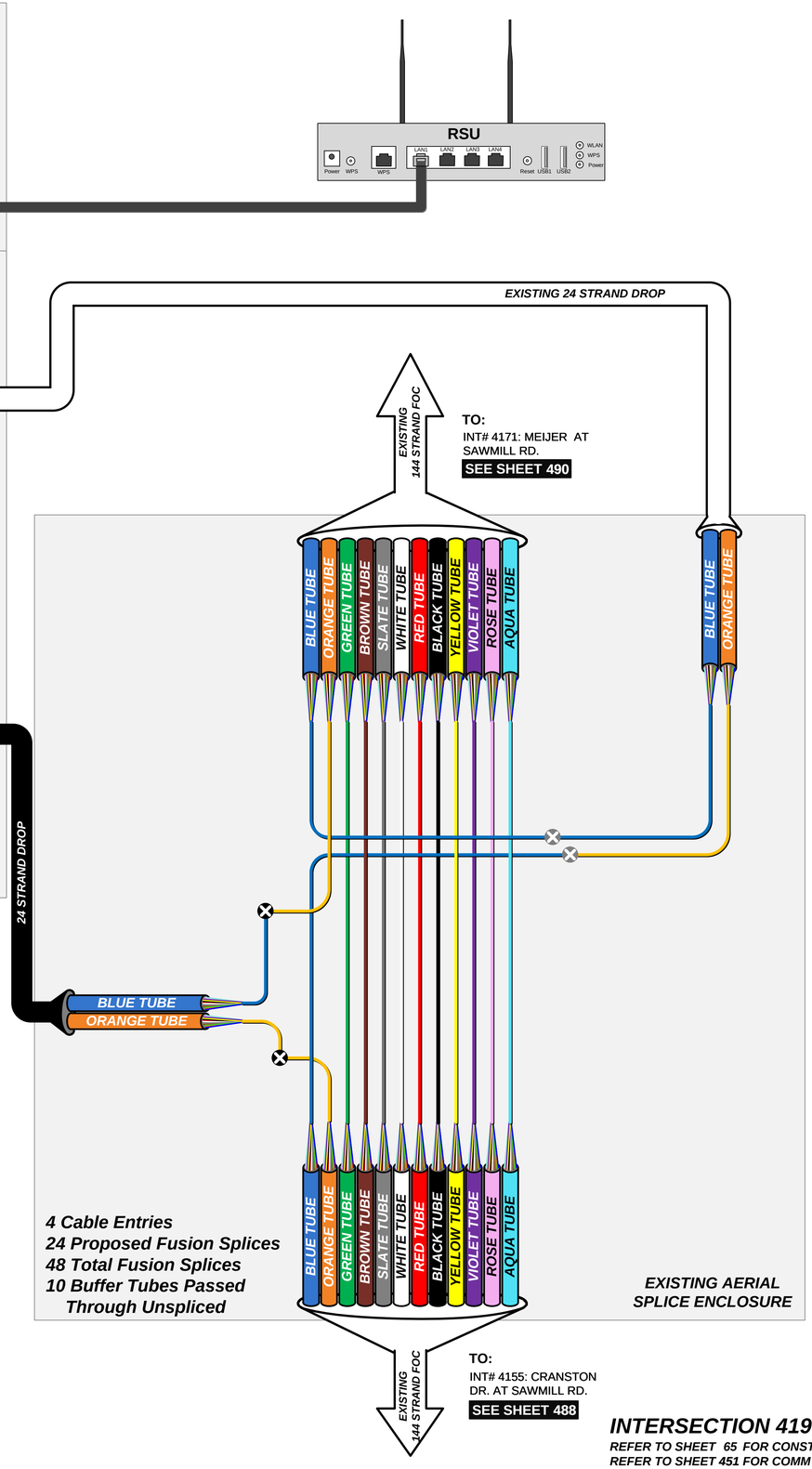
488
768

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TRAFFIC SIGNAL CABINET ASSEMBLY



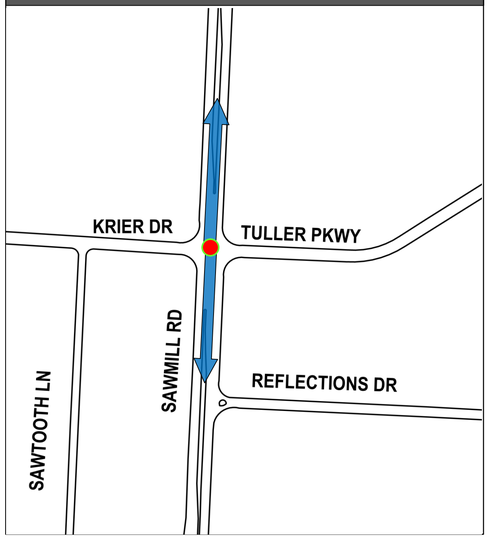
SWITCH	PORT	STATUS	DESTINATION	SHEET NO
1	5	EXISTING	INT# 4155: CRANSTON DR. AT SAWMILL RD.	488
1	6	EXISTING	INT# 4171: MEIJER AT SAWMILL RD.	490
2	**9**	**PROPOSED**	**INT# 4155: CRANSTON DR. AT SAWMILL RD.**	**488**
2	**10**	**PROPOSED**	**INT# 4171: MEIJER AT SAWMILL RD.**	**490**



LEGEND

- FIBER PATCH CABLES T/R STANDARD
- FIBER PATCH CABLES R/T CROSSOVER
- EXISTING FIBER PATCH CABLES
- OUTDOOR CAT 5E CABLE
- INDOOR CAT 5E CABLE
- CAT 5E CABLE TO BE REMOVED
- TERMINATION PANEL UPC (Blue)/APC (Green)
- EXISTING/PROPOSED FIBER OR BUFFER TUBE LEFT COILED IN SPLICE ENCLOSURE
- FUSION SPLICE – 6 FIBERS/ SINGLE FIBER
- FUSION SPLICE – 12 FIBER BUFFER TUBE
- EXISTING FUSION SPLICE – 12 FIBER BUFFER TUBE
- INTERSECTION LOCATION
- GBIC OPTICAL TRANSCEIVER LH - SHORT HAUL LED ZX – LONG HAUL LASER
- SFP/COPPER/CAT5/5E/6 CONNECTOR
- COPPER/CAT5/5E/6 CONNECTOR
- 144 STRAND SMF
- 288 STRAND SMF
- WIRELESS ETHERNET RADIO

KEY PLAN



INTERSECTION 4197

REFER TO SHEET 65 FOR CONSTRUCTION PLAN DETAILS
REFER TO SHEET 451 FOR COMM OVERVIEW DETAILS

CIP: 530163 - 100014

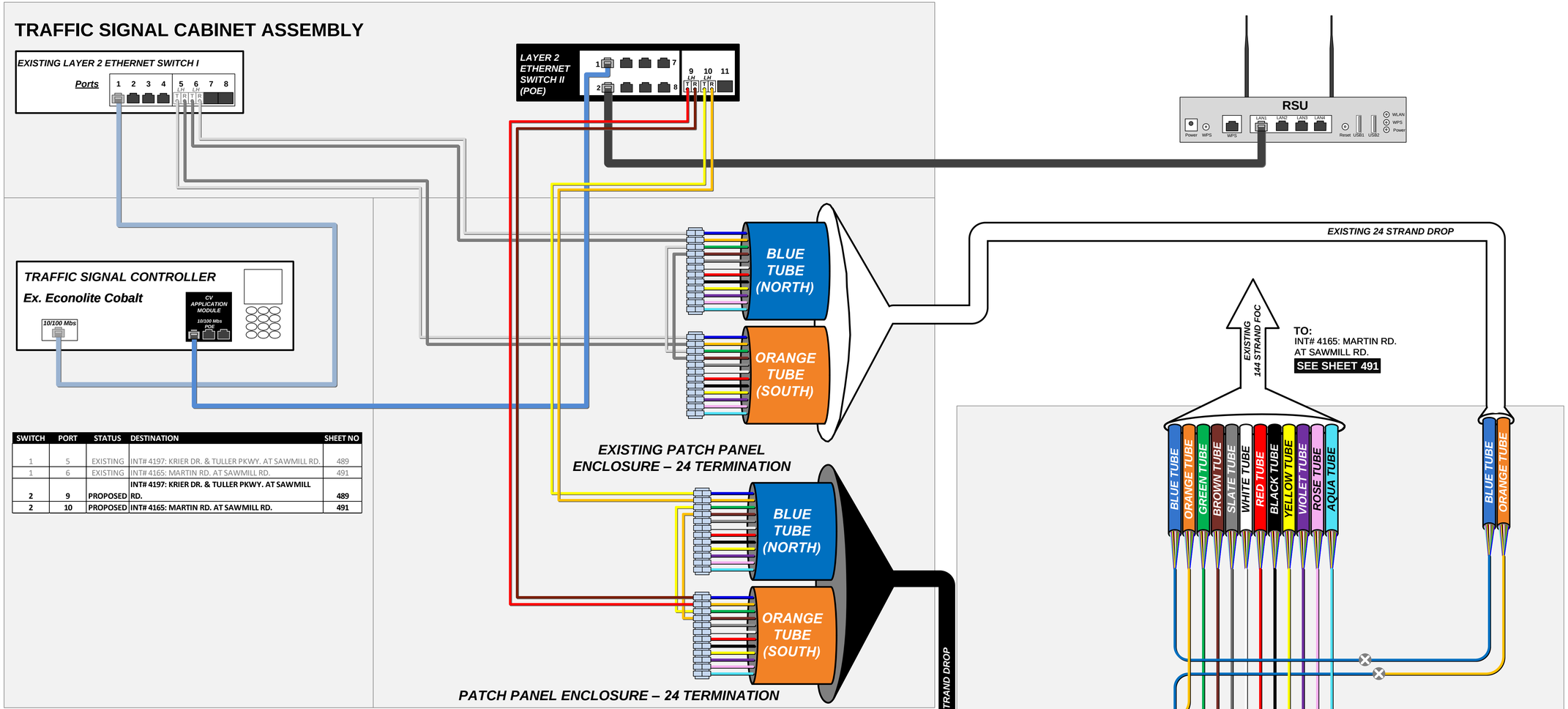
INT# 4197: KRIER DR. & TULLER PKWY. AT SAWMILL RD.
COMMUNICATIONS DIAGRAM

CITY OF COLUMBUS TRAFFIC SIGNAL SYSTEM
(CTSS) PHASE F – FINAL SUBMITTAL

489
768

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TRAFFIC SIGNAL CABINET ASSEMBLY

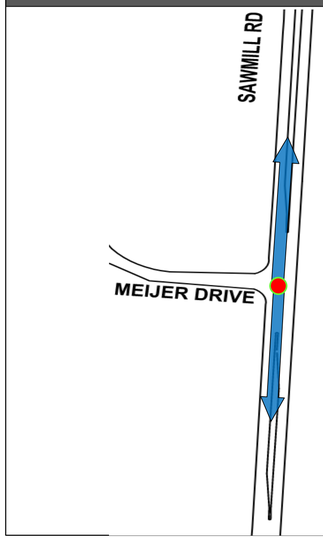


SWITCH	PORT	STATUS	DESTINATION	SHEET NO
1	5	EXISTING	INT# 4197: KRIER DR. & TULLER PKWY. AT SAWMILL RD.	489
1	6	EXISTING	INT# 4165: MARTIN RD. AT SAWMILL RD.	491
2	**9**	**PROPOSED**	**INT# 4197: KRIER DR. & TULLER PKWY. AT SAWMILL RD.**	**489**
2	**10**	**PROPOSED**	**INT# 4165: MARTIN RD. AT SAWMILL RD.**	**491**

LEGEND

- FIBER PATCH CABLES T/R STANDARD
- FIBER PATCH CABLES R/T CROSSOVER
- EXISTING FIBER PATCH CABLES
- OUTDOOR CAT 5E CABLE
- INDOOR CAT 5E CABLE
- CAT 5E CABLE TO BE REMOVED
- TERMINATION PANEL UPC (Blue)/APC (Green)
- EXISTING/PROPOSED FIBER OR BUFFER TUBE LEFT COILED IN SPLICE ENCLOSURE
- FUSION SPLICE – 6 FIBERS/ SINGLE FIBER
- FUSION SPLICE – 12 FIBER BUFFER TUBE
- EXISTING FUSION SPLICE – 12 FIBER BUFFER TUBE
- INTERSECTION LOCATION
- GBIC OPTICAL TRANSCEIVER LH - SHORT HAUL LED ZX – LONG HAUL LASER
- SFP/COPPER/CAT5/5E/6 CONNECTOR
- COPPER/CAT5/5E/6 CONNECTOR
- 144 STRAND SMF
- 288 STRAND SMF
- WIRELESS ETHERNET RADIO

KEY PLAN



INTERSECTION 4171

REFER TO SHEET 65 FOR CONSTRUCTION PLAN DETAILS
REFER TO SHEET 451 FOR COMM OVERVIEW DETAILS

CIP: 530163 - 100014

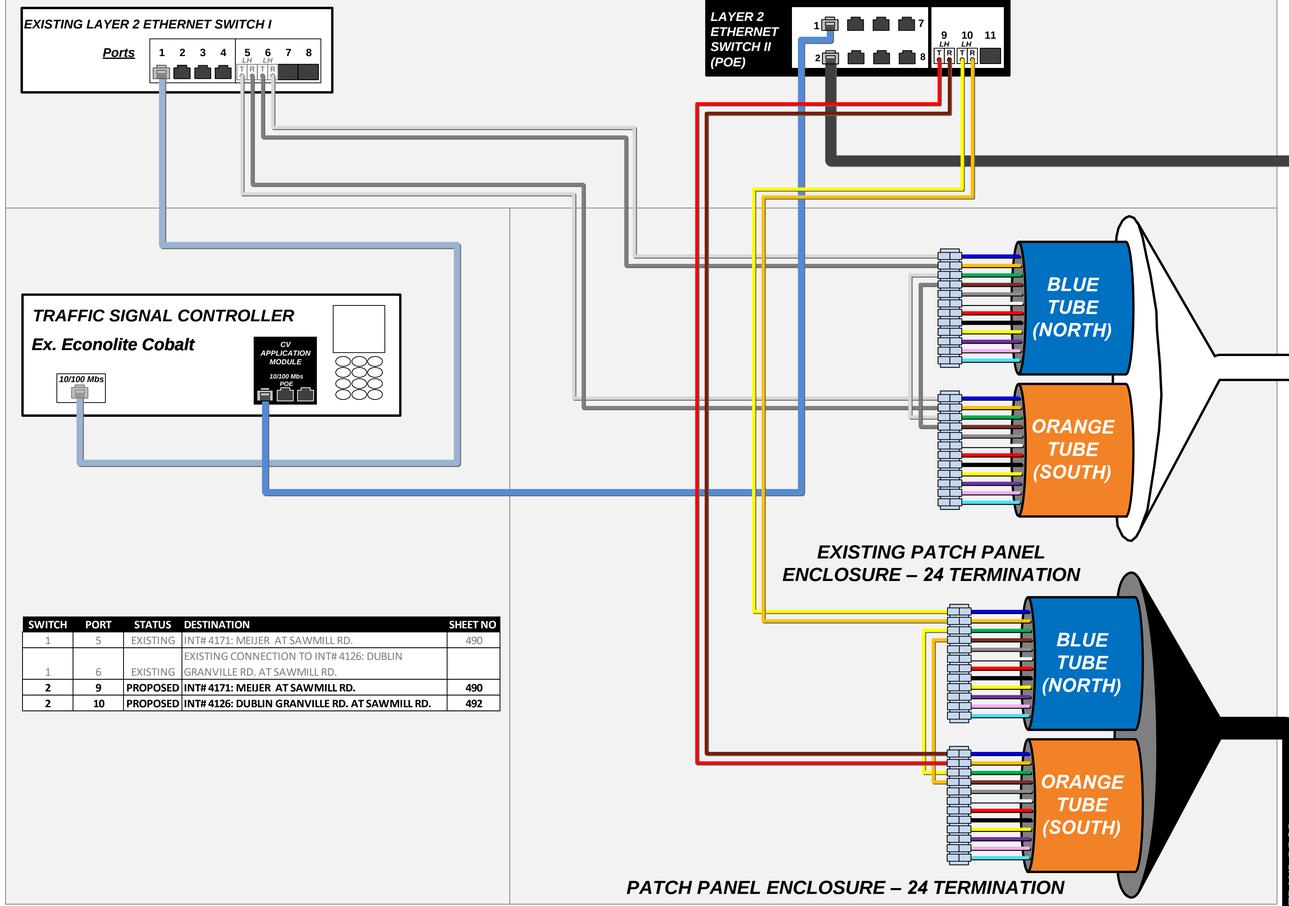
INT# 4171: MEIJER AT SAWMILL RD.
COMMUNICATIONS DIAGRAM

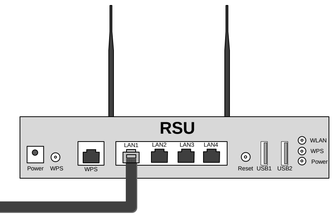
CITY OF COLUMBUS TRAFFIC SIGNAL SYSTEM
(CTSS) PHASE F – FINAL SUBMITTAL

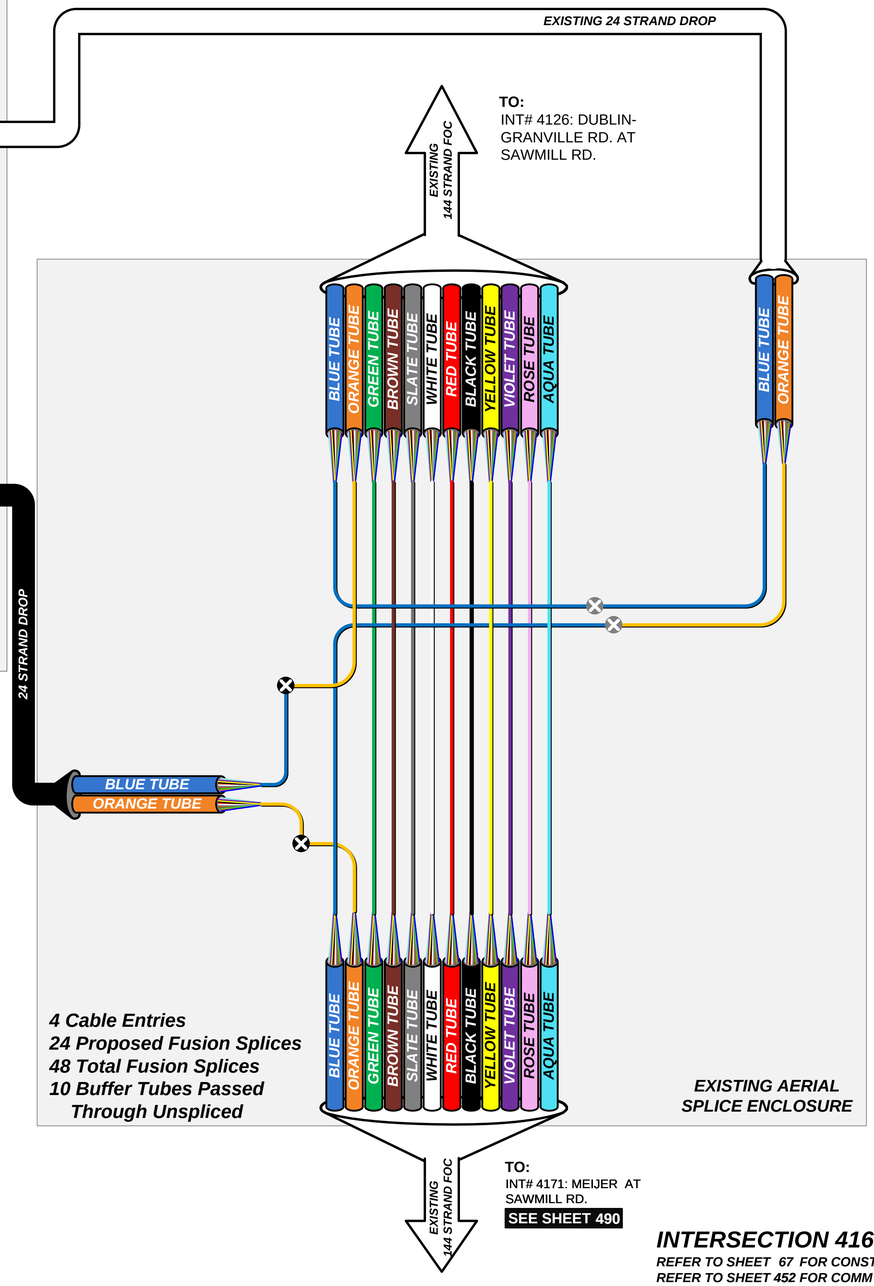
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TRAFFIC SIGNAL CABINET ASSEMBLY







SWITCH	PORT	STATUS	DESTINATION	SHEET NO
1	5	EXISTING	INT# 4171: MEIJER AT SAWMILL RD.	490
1	6	EXISTING	EXISTING CONNECTION TO INT# 4126: DUBLIN GRANVILLE RD. AT SAWMILL RD.	
2	**9**	**PROPOSED**	**INT# 4171: MEIJER AT SAWMILL RD.**	**490**
2	**10**	**PROPOSED**	**INT# 4126: DUBLIN GRANVILLE RD. AT SAWMILL RD.**	**492**

LEGEND

- FIBER PATCH CABLES T/R STANDARD
- FIBER PATCH CABLES R/T CROSSOVER
- EXISTING FIBER PATCH CABLES
- OUTDOOR CAT 5E CABLE
- INDOOR CAT 5E CABLE
- CAT 5E CABLE TO BE REMOVED
- TERMINATION PANEL UPC (Blue)/APC (Green)
- EXISTING/PROPOSED FIBER OR BUFFER TUBE LEFT COILED IN SPLICE ENCLOSURE
- FUSION SPLICE – 6 FIBERS/ SINGLE FIBER
- FUSION SPLICE – 12 FIBER BUFFER TUBE
- EXISTING FUSION SPLICE – 12 FIBER BUFFER TUBE
- INTERSECTION LOCATION
- GBIC OPTICAL TRANSCEIVER LH - SHORT HAUL LED ZX – LONG HAUL LASER
- SFP/COPPER/CAT5/5E/6 CONNECTOR
- COPPER/CAT5/5E/6 CONNECTOR
- 144 STRAND SMF
- 288 STRAND SMF
- WIRELESS ETHERNET RADIO

KEY PLAN



INTERSECTION 4165

REFER TO SHEET 67 FOR CONSTRUCTION PLAN DETAILS
REFER TO SHEET 452 FOR COMM OVERVIEW DETAILS

CIP: 530163 - 100014

INT# 4165: MARTIN RD. AT SAWMILL RD.
COMMUNICATIONS DIAGRAM

CITY OF COLUMBUS TRAFFIC SIGNAL SYSTEM
(CTSS) PHASE F – FINAL SUBMITTAL

491
768

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TRAFFIC SIGNAL CABINET ASSEMBLY

EXISTING LAYER 2 ETHERNET SWITCH I

Ports 1 2 3 4 5 6 7 8 (LH T/R, LH T/R, LH T/R)

EXISTING CCTV FIELD BOX

VIDEO/PTZ IP DATA

CCTV/HEATER POWER

10/100 Mbs

ANALOG VIDEO

LAYER 2 ETHERNET SWITCH II

1 2 7 8 9 10 11 (9 LH T/R, 10 LH T/R, 11)

RSU

Power WPS WPS LAN1 LAN2 LAN3 LAN4 Reset USB1 USB2 WLAN WPS Power

EXISTING COMPOSITE CCTV CABLE

EXISTING CCTV

TRAFFIC SIGNAL CONTROLLER

Ex. Econolite Cobalt

CV APPLICATION MODULE

10/100 Mbs POE

10/100 Mbs

BLUE TUBE (NORTH)

ORANGE TUBE (SOUTH)

EXISTING PATCH PANEL ENCLOSURE – (2)-24 TERMINATION

BLUE TUBE (EAST)

ORANGE TUBE (SPARE)

BLUE TUBE (NORTH)

ORANGE TUBE (SOUTH)

PATCH PANEL ENCLOSURE – 24 TERMINATION

EXISTING 24 STRAND DROP

EXISTING 24 STRAND DROP

EXISTING 144 STRAND FOC

TO: INT# 4169: BANKER DR. AT SAWMILL RD. SEE SHEET 493

BLUE TUBE ORANGE TUBE GREEN TUBE BROWN TUBE SLATE TUBE WHITE TUBE RED TUBE BLACK TUBE YELLOW TUBE VIOLET TUBE ROSE TUBE AQUA TUBE

BLUE TUBE ORANGE TUBE BLUE TUBE ORANGE TUBE

BLUE TUBE ORANGE TUBE

BLUE TUBE ORANGE TUBE GREEN TUBE BROWN TUBE SLATE TUBE WHITE TUBE RED TUBE BLACK TUBE YELLOW TUBE VIOLET TUBE ROSE TUBE AQUA TUBE

EXISTING AERIAL SPLICE ENCLOSURE

EXISTING 144 STRAND FOC

TO: INT# 4190: MARTIN RD AT DUBLIN-GRANVILLE RD

EXISTING 144 STRAND FOC

TO: INT# 4165: MARTIN RD. AT SAWMILL RD. SEE SHEET 491

SWITCH	PORT	STATUS	DESTINATION	SHEET NO
1	5	EXISTING	INT# 4165: MARTIN RD. AT SAWMILL RD.	491
1	6	EXISTING	INT# 4169: BANKER DR. AT SAWMILL RD.	493
1	7	EXISTING	EXISTING CONNECTION TO INT# 4190: MARTIN RD. AT DUBLIN-GRANVILLE RD.	
2	**9**	**PROPOSED**	**INT# 4165: MARTIN RD. AT SAWMILL RD.**	**491**
2	10	EXISTING	INT# 4169: BANKER DR. AT SAWMILL RD.	493

LEGEND

- FIBER PATCH CABLES T/R STANDARD
- FIBER PATCH CABLES R/T CROSSOVER
- EXISTING FIBER PATCH CABLES
- OUTDOOR CAT 5E CABLE
- INDOOR CAT 5E CABLE
- CAT 5E CABLE TO BE REMOVED
- TERMINATION PANEL UPC (Blue)/APC (Green)
- EXISTING/PROPOSED FIBER OR BUFFER TUBE LEFT COILED IN SPLICE ENCLOSURE
- FUSION SPLICE – 6 FIBERS/ SINGLE FIBER
- FUSION SPLICE – 12 FIBER BUFFER TUBE
- EXISTING FUSION SPLICE – 12 FIBER BUFFER TUBE
- INTERSECTION LOCATION
- GBIC OPTICAL TRANSCEIVER LH - SHORT HAUL LED ZX – LONG HAUL LASER
- SFP/COPPER/CAT5/5E/6 CONNECTOR
- COPPER/CAT5/5E/6 CONNECTOR
- 144 STRAND SMF
- 288 STRAND SMF
- WIRELESS ETHERNET RADIO

KEY PLAN



INTERSECTION 4126

REFER TO SHEET 452 FOR COMM OVERVIEW DETAILS

CIP: 530163 - 100014

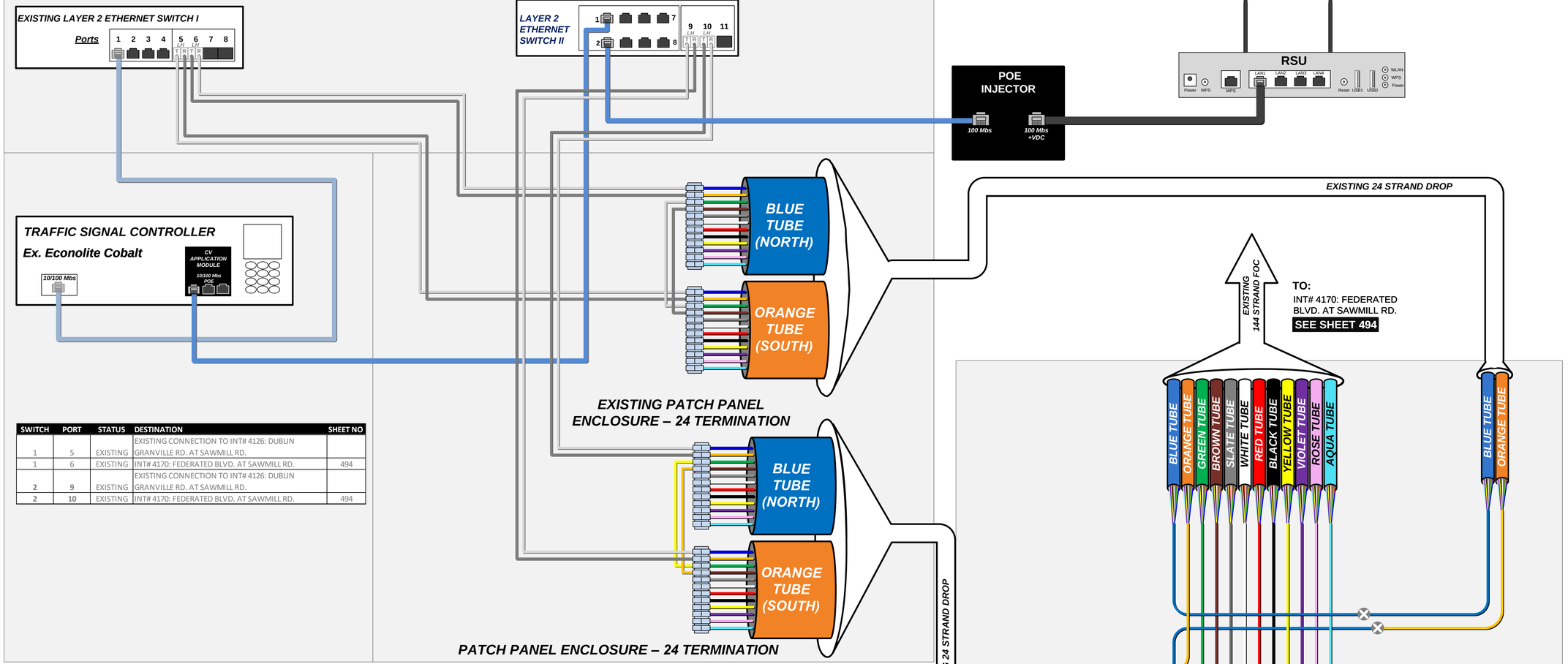
INT# 4126: DUBLIN GRANVILLE RD. AT SAWMILL RD. COMMUNICATIONS DIAGRAM

CITY OF COLUMBUS TRAFFIC SIGNAL SYSTEM (CTSS) PHASE F – FINAL SUBMITTAL

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TRAFFIC SIGNAL CABINET ASSEMBLY

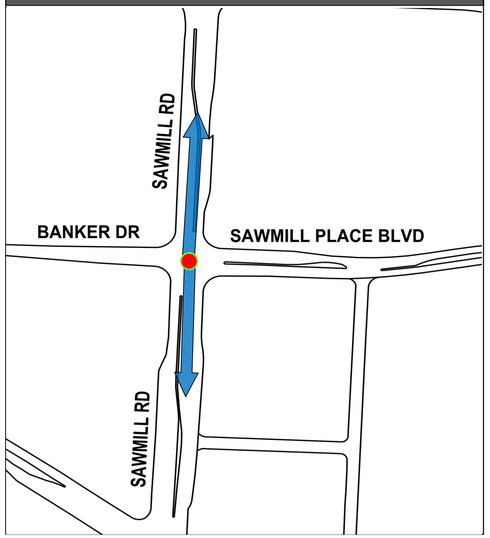


SWITCH	PORT	STATUS	DESTINATION	SHEET NO
1	5	EXISTING	EXISTING CONNECTION TO INT# 4126: DUBLIN GRANVILLE RD. AT SAWMILL RD.	
1	6	EXISTING	INT# 4170: FEDERATED BLVD. AT SAWMILL RD.	494
2	9	EXISTING	EXISTING CONNECTION TO INT# 4126: DUBLIN GRANVILLE RD. AT SAWMILL RD.	
2	10	EXISTING	INT# 4170: FEDERATED BLVD. AT SAWMILL RD.	494

LEGEND

- FIBER PATCH CABLES T/R STANDARD
- FIBER PATCH CABLES R/T CROSSOVER
- EXISTING FIBER PATCH CABLES
- OUTDOOR CAT 5E CABLE
- INDOOR CAT 5E CABLE
- CAT 5E CABLE TO BE REMOVED
- TERMINATION PANEL UPC (Blue)/APC (Green)
- EXISTING/PROPOSED FIBER OR BUFFER TUBE LEFT COILED IN SPLICE ENCLOSURE
- FUSION SPLICE – 6 FIBERS/ SINGLE FIBER
- FUSION SPLICE – 12 FIBER BUFFER TUBE
- EXISTING FUSION SPLICE – 12 FIBER BUFFER TUBE
- INTERSECTION LOCATION
- GBIC OPTICAL TRANSCEIVER LH - SHORT HAUL LED ZX – LONG HAUL LASER
- SFP/COPPER/CAT5/5E/6 CONNECTOR
- COPPER/CAT5/5E/6 CONNECTOR
- 144 STRAND SMF
- 288 STRAND SMF
- WIRELESS ETHERNET RADIO

KEY PLAN



INTERSECTION 4169

REFER TO SHEET 68 FOR CONSTRUCTION PLAN DETAILS
REFER TO SHEET 452 FOR COMM OVERVIEW DETAILS

CIP: 530163 - 100014

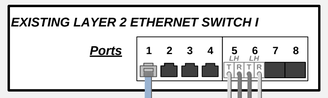
INT# 4169: BANKER DR. AT SAWMILL RD.
COMMUNICATIONS DIAGRAM

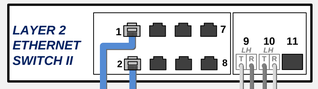
CITY OF COLUMBUS TRAFFIC SIGNAL SYSTEM
(CTSS) PHASE F – FINAL SUBMITTAL

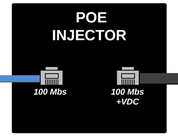
493
768

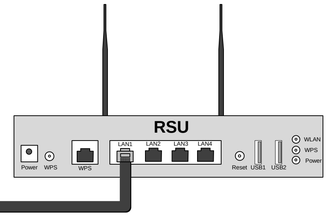
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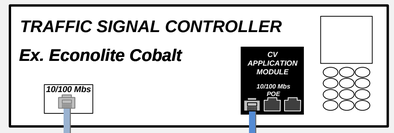
TRAFFIC SIGNAL CABINET ASSEMBLY



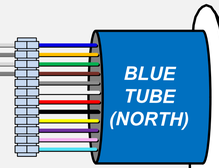




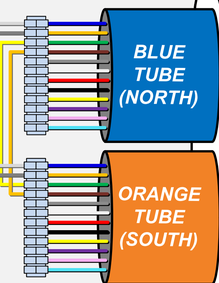




SWITCH	PORT	STATUS	DESTINATION	SHEET NO
1	5	EXISTING	INT# 4169: BANKER DR. AT SAWMILL RD.	493
1	6	EXISTING	INT# 4144: SAWMILL RD. AT SNOUFFER	495
2	9	EXISTING	INT# 4169: BANKER DR. AT SAWMILL RD.	493
2	10	EXISTING	INT# 4144: SAWMILL RD. AT SNOUFFER	495



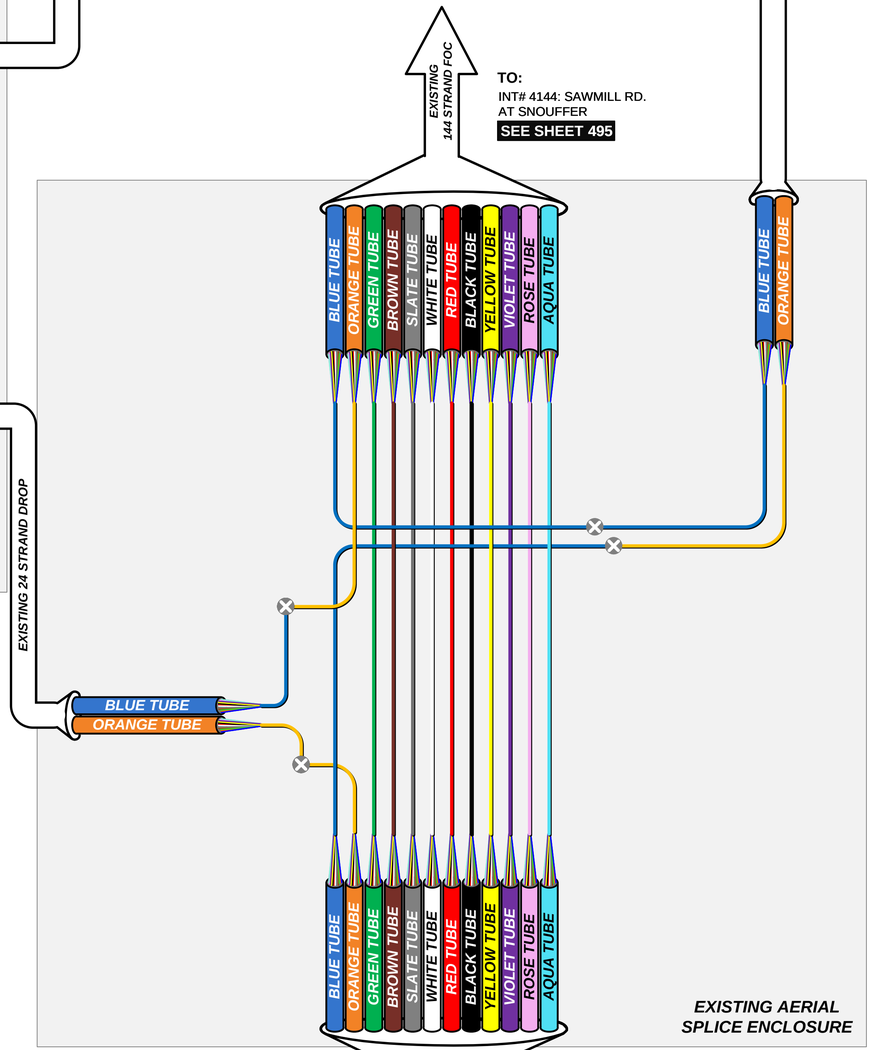
EXISTING PATCH PANEL ENCLOSURE – 24 TERMINATION



PATCH PANEL ENCLOSURE – 24 TERMINATION

EXISTING 24 STRAND DROP

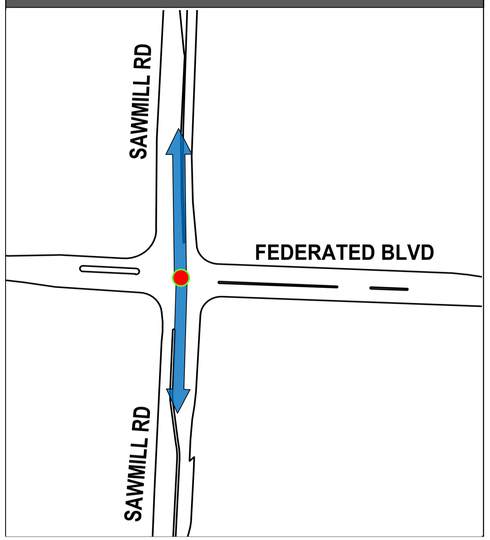
EXISTING 24 STRAND DROP



LEGEND

- FIBER PATCH CABLES T/R STANDARD
- FIBER PATCH CABLES R/T CROSSOVER
- EXISTING FIBER PATCH CABLES
- OUTDOOR CAT 5E CABLE
- INDOOR CAT 5E CABLE
- CAT 5E CABLE TO BE REMOVED
- TERMINATION PANEL UPC (Blue)/APC (Green)
- EXISTING/PROPOSED FIBER OR BUFFER TUBE LEFT COILED IN SPLICE ENCLOSURE
- FUSION SPLICE – 6 FIBERS/ SINGLE FIBER
- FUSION SPLICE – 12 FIBER BUFFER TUBE
- EXISTING FUSION SPLICE – 12 FIBER BUFFER TUBE
- INTERSECTION LOCATION
- GBIC OPTICAL TRANSCEIVER LH - SHORT HAUL LED ZX – LONG HAUL LASER
- SFP/COPPER/CAT5/5E/6 CONNECTOR
- COPPER/CAT5/5E/6 CONNECTOR
- 144 STRAND SMF
- 288 STRAND SMF
- WIRELESS ETHERNET RADIO

KEY PLAN



INTERSECTION 4170

REFER TO SHEET 68 FOR CONSTRUCTION PLAN DETAILS
REFER TO SHEET 452 FOR COMM OVERVIEW DETAILS

CIP: 530163 - 100014

INT# 4170: FEDERATED BLVD. AT SAWMILL RD.
COMMUNICATIONS DIAGRAM

CITY OF COLUMBUS TRAFFIC SIGNAL SYSTEM
(CTSS) PHASE F – FINAL SUBMITTAL

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768

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TRAFFIC SIGNAL CABINET ASSEMBLY

EXISTING LAYER 2 ETHERNET SWITCH I

Ports 1 2 3 4 5 6 7 8

LAYER 2 ETHERNET SWITCH II

1 2 7 8 9 10 11

POE INJECTOR

100 Mbs

100 Mbs +VDC

RSU

Power WPS WPS LAN1 LAN2 LAN3 LAN4 Reset USB1 USB2 WLAN WPS Power

TRAFFIC SIGNAL CONTROLLER

Ex. Econolite Cobalt

CV APPLICATION MODULE

10/100 Mbs

10/100 Mbs POE

SWITCH	PORT	STATUS	DESTINATION	SHEET NO
1	5	EXISTING	INT# 4170: FEDERATED BLVD. AT SAWMILL RD.	494
1	6	EXISTING	EXISTING COMMUNICATION NODE# 270019.8: I-270 AT SAWMILL RD.	691
1	**7**	**PROPOSED**	**INT# 4220: CAINE RD. AT SNOUFFER RD**	**528**
2	9	EXISTING	INT# 4170: FEDERATED BLVD. AT SAWMILL RD.	494
2	10	EXISTING	EXISTING COMMUNICATION NODE# 270019.8: I-270 AT SAWMILL RD.	691

BLUE TUBE (NORTH)

ORANGE TUBE (SOUTH)

BLUE TUBE (EAST)

ORANGE TUBE (SPARE)

BLUE TUBE (NORTH)

ORANGE TUBE (SOUTH)

PATCH PANEL ENCLOSURE – 24 TERMINATION

EXISTING PATCH PANEL ENCLOSURE – 24 TERMINATION

EXISTING 24 STRAND DROP

EXISTING 24 STRAND DROP

EXISTING 144 STRAND FOC

TO:
EXISTING COMMUNICATION NODE# 270019.8: I-270 AT SAWMILL RD.
SEE SHEET 691

BLUE TUBE
ORANGE TUBE
GREEN TUBE
BROWN TUBE
SLATE TUBE
WHITE TUBE
RED TUBE
BLACK TUBE
YELLOW TUBE
VIOLET TUBE
ROSE TUBE
AQUA TUBE

BLUE TUBE
ORANGE TUBE

BLUE TUBE
ORANGE TUBE

BLUE TUBE
ORANGE TUBE

BLUE TUBE
ORANGE TUBE
GREEN TUBE
BROWN TUBE
SLATE TUBE
WHITE TUBE
RED TUBE
BLACK TUBE
YELLOW TUBE
VIOLET TUBE
ROSE TUBE
AQUA TUBE

EXISTING 144 STRAND FOC

TO:
INT# 4220: CAINE RD. AT SNOUFFER RD.
SEE SHEET 528

EXISTING AERIAL SPLICE ENCLOSURE

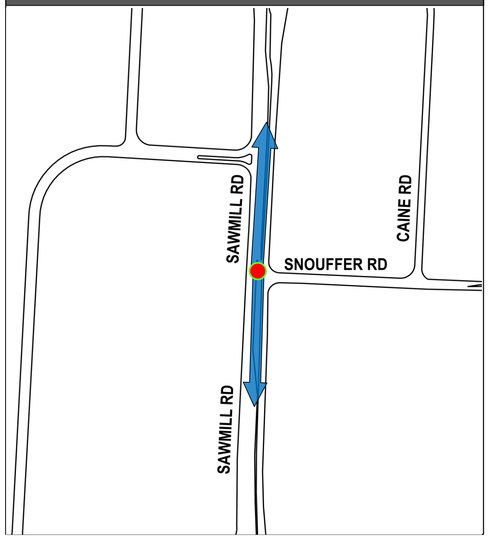
EXISTING 144 STRAND FOC

TO:
INT# 4170: FEDERATED BLVD. AT SAWMILL RD.
SEE SHEET 494

LEGEND

- FIBER PATCH CABLES T/R STANDARD
- FIBER PATCH CABLES R/T CROSSOVER
- EXISTING FIBER PATCH CABLES
- OUTDOOR CAT 5E CABLE
- INDOOR CAT 5E CABLE
- CAT 5E CABLE TO BE REMOVED
- TERMINATION PANEL UPC (Blue)/APC (Green)
- EXISTING/PROPOSED FIBER OR BUFFER TUBE LEFT COILED IN SPLICE ENCLOSURE
- FUSION SPLICE – 6 FIBERS/ SINGLE FIBER
- FUSION SPLICE – 12 FIBER BUFFER TUBE
- EXISTING FUSION SPLICE – 12 FIBER BUFFER TUBE
- INTERSECTION LOCATION
- GBIC OPTICAL TRANSCEIVER LH - SHORT HAUL LED ZX – LONG HAUL LASER
- SFP/COPPER/CAT5/5E/6 CONNECTOR
- COPPER/CAT5/5E/6 CONNECTOR
- 144 STRAND SMF
- 288 STRAND SMF
- WIRELESS ETHERNET RADIO

KEY PLAN



INTERSECTION 4144

REFER TO SHEET 70 FOR CONSTRUCTION PLAN DETAILS
REFER TO SHEET 452 FOR COMM OVERVIEW DETAILS

CIP: 530163 - 100014

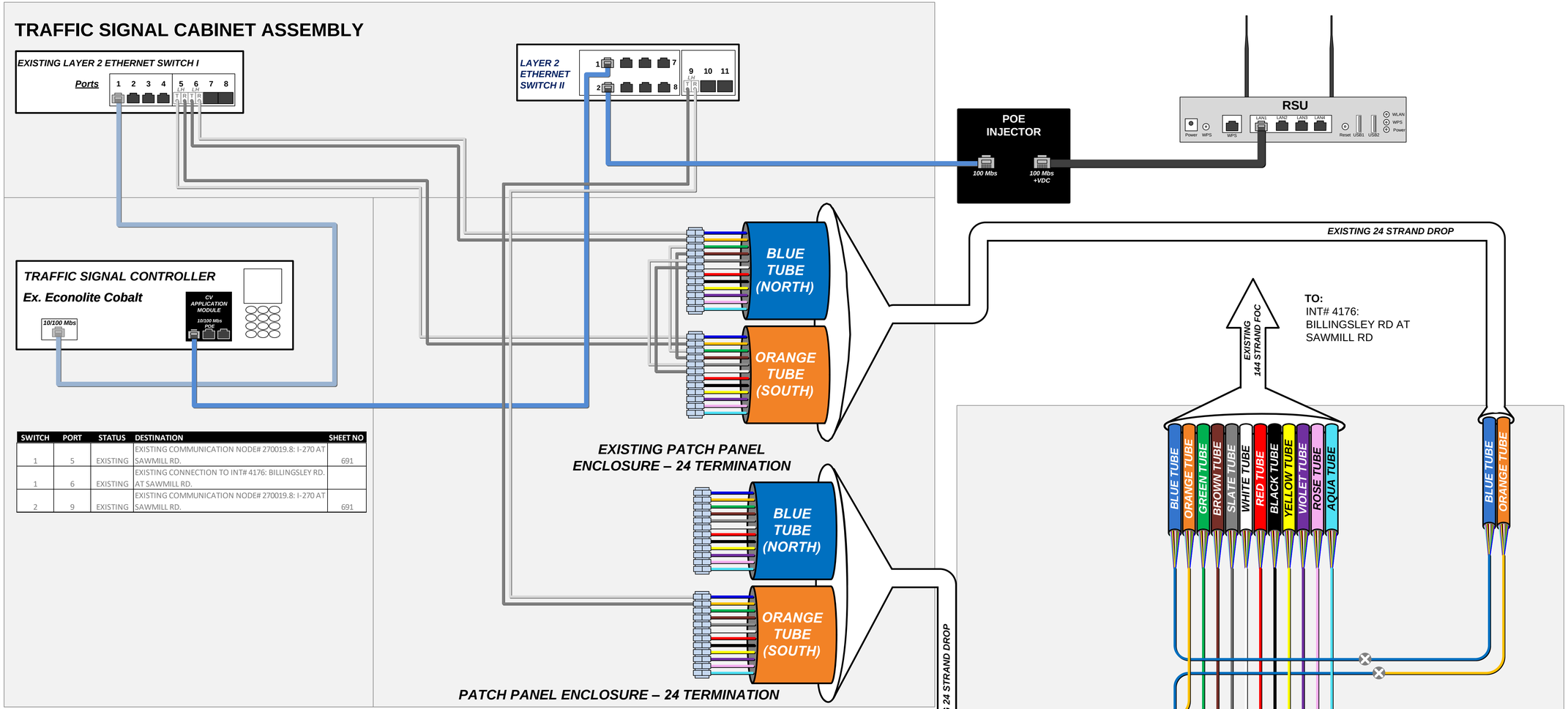
INT# 4144: SAWMILL RD. AT SNOUFFER COMMUNICATIONS DIAGRAM

CITY OF COLUMBUS TRAFFIC SIGNAL SYSTEM (CTSS) PHASE F – FINAL SUBMITTAL

495
768

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TRAFFIC SIGNAL CABINET ASSEMBLY

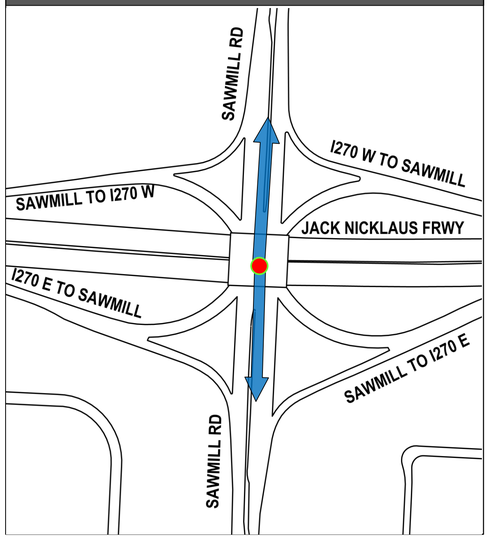


SWITCH	PORT	STATUS	DESTINATION	SHEET NO
1	5	EXISTING	EXISTING COMMUNICATION NODE# 270019.8: I-270 AT SAWMILL RD.	691
1	6	EXISTING	EXISTING CONNECTION TO INT# 4176: BILLINGSLEY RD. AT SAWMILL RD.	
2	9	EXISTING	EXISTING COMMUNICATION NODE# 270019.8: I-270 AT SAWMILL RD.	691

LEGEND

- FIBER PATCH CABLES T/R STANDARD
- FIBER PATCH CABLES R/T CROSSOVER
- EXISTING FIBER PATCH CABLES
- OUTDOOR CAT 5E CABLE
- INDOOR CAT 5E CABLE
- CAT 5E CABLE TO BE REMOVED
- TERMINATION PANEL UPC (Blue)/APC (Green)
- EXISTING/PROPOSED FIBER OR BUFFER TUBE LEFT COILED IN SPLICE ENCLOSURE
- FUSION SPLICE – 6 FIBERS/ SINGLE FIBER
- FUSION SPLICE – 12 FIBER BUFFER TUBE
- EXISTING FUSION SPLICE – 12 FIBER BUFFER TUBE
- INTERSECTION LOCATION
- GBIC OPTICAL TRANSCEIVER LH - SHORT HAUL LED ZX – LONG HAUL LASER
- SFP/COPPER/CAT5/5E/6 CONNECTOR
- COPPER/CAT5/5E/6 CONNECTOR
- 144 STRAND SMF
- 288 STRAND SMF
- WIRELESS ETHERNET RADIO

KEY PLAN



INTERSECTION 4255

REFER TO SHEET 70 FOR CONSTRUCTION PLAN DETAILS
REFER TO SHEET 452 FOR COMM OVERVIEW DETAILS

CIP: 530163 - 100014

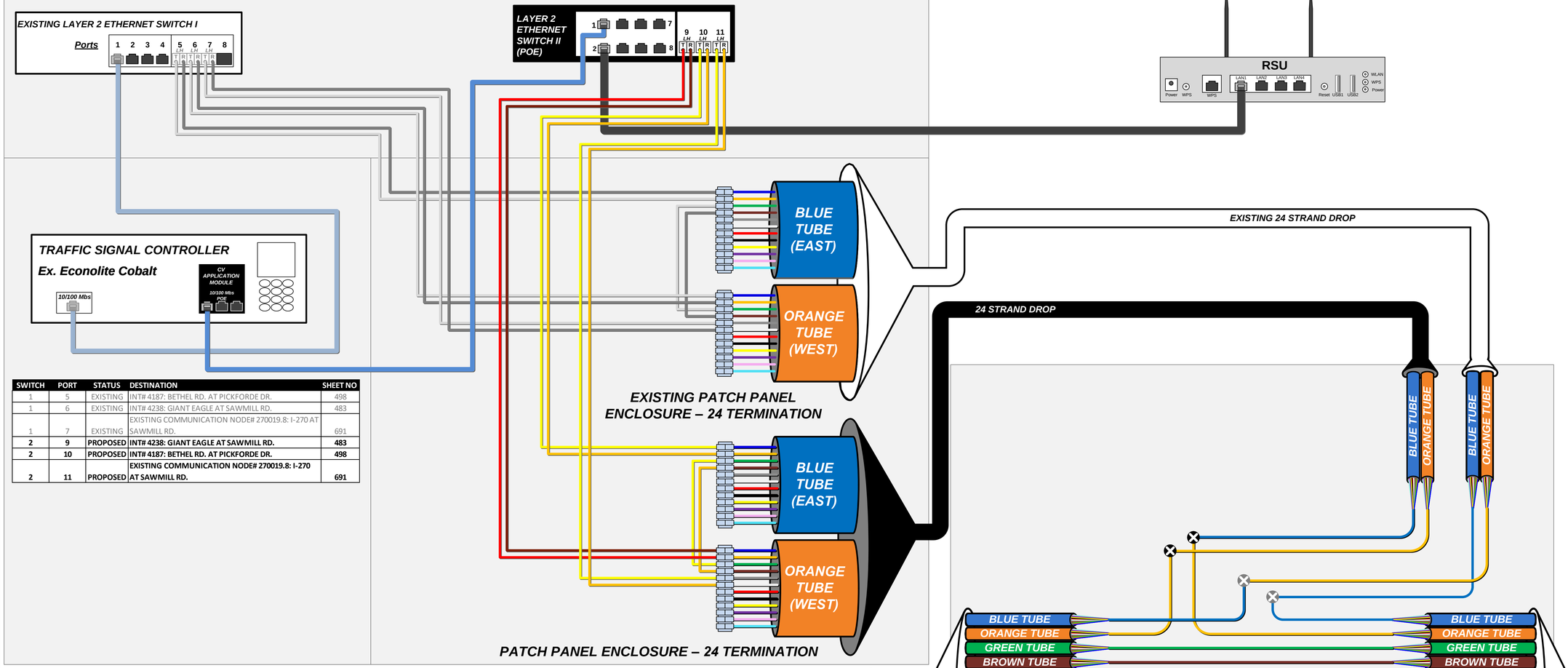
INT# 4255: I-270 AT SAWMILL RD.
COMMUNICATIONS DIAGRAM

CITY OF COLUMBUS TRAFFIC SIGNAL SYSTEM
(CTSS) PHASE F – FINAL SUBMITTAL

496
768

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TRAFFIC SIGNAL CABINET ASSEMBLY

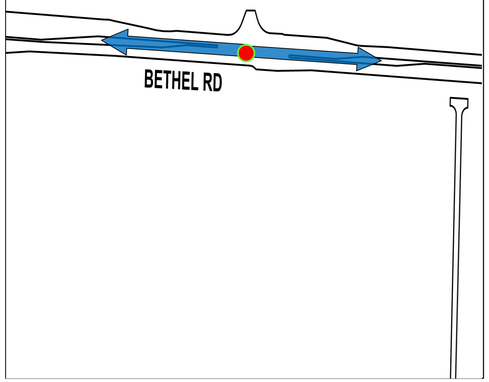


SWITCH	PORT	STATUS	DESTINATION	SHEET NO
1	5	EXISTING	INT# 4187: BETHEL RD. AT PICKFORDE DR.	498
1	6	EXISTING	INT# 4238: GIANT EAGLE AT SAWMILL RD.	483
1	7	EXISTING	EXISTING COMMUNICATION NODE# 270019.8: I-270 AT SAWMILL RD.	691
2	**9**	**PROPOSED**	**INT# 4238: GIANT EAGLE AT SAWMILL RD.**	**483**
2	**10**	**PROPOSED**	**INT# 4187: BETHEL RD. AT PICKFORDE DR.**	**498**
2	**11**	**PROPOSED**	**EXISTING COMMUNICATION NODE# 270019.8: I-270 AT SAWMILL RD.**	**691**

LEGEND

- FIBER PATCH CABLES T/R STANDARD
- FIBER PATCH CABLES R/T CROSSOVER
- EXISTING FIBER PATCH CABLES
- OUTDOOR CAT 5E CABLE
- INDOOR CAT 5E CABLE
- CAT 5E CABLE TO BE REMOVED
- TERMINATION PANEL UPC (Blue)/APC (Green)
- EXISTING/PROPOSED FIBER OR BUFFER TUBE LEFT COILED IN SPLICE ENCLOSURE
- FUSION SPLICE – 6 FIBERS/ SINGLE FIBER
- FUSION SPLICE – 12 FIBER BUFFER TUBE
- EXISTING FUSION SPLICE – 12 FIBER BUFFER TUBE
- INTERSECTION LOCATION
- GBIC OPTICAL TRANSCEIVER LH - SHORT HAUL LED ZX – LONG HAUL LASER
- SFP/COPPER/CAT5/5E/6 CONNECTOR
- COPPER/CAT5/5E/6 CONNECTOR
- 144 STRAND SMF
- 288 STRAND SMF
- WIRELESS ETHERNET RADIO

KEY PLAN



INTERSECTION 4186

REFER TO SHEET 84 FOR CONSTRUCTION PLAN DETAILS
REFER TO SHEET 454 FOR COMM OVERVIEW DETAILS

CIP: 530163 - 100014

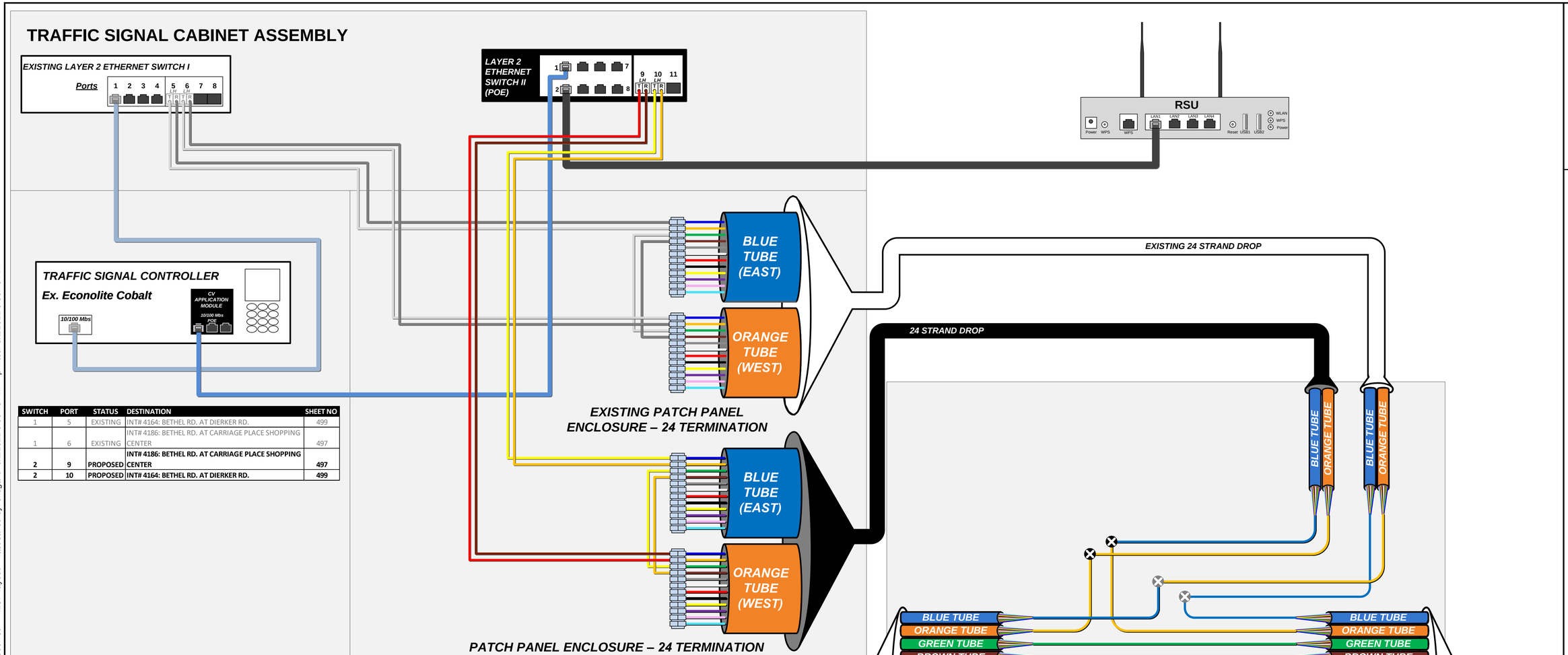
INT# 4186: BETHEL RD. AT CARRIAGE PLACE SHOPPING CENTER
COMMUNICATIONS DIAGRAM

CITY OF COLUMBUS TRAFFIC SIGNAL SYSTEM
(CTSS) PHASE F – FINAL SUBMITTAL

497
768

\\colw00\pmwork\Jobs\70202 - CTSS Phase F\TECHPROD\Communications\Intersection Splicing Details\497-509.vsd - 4186 layout - last saved by: skoganti 6/1/2022 9:56:43 AM ~ printed: 6/1/2022 9:56:43 AM

TRAFFIC SIGNAL CABINET ASSEMBLY

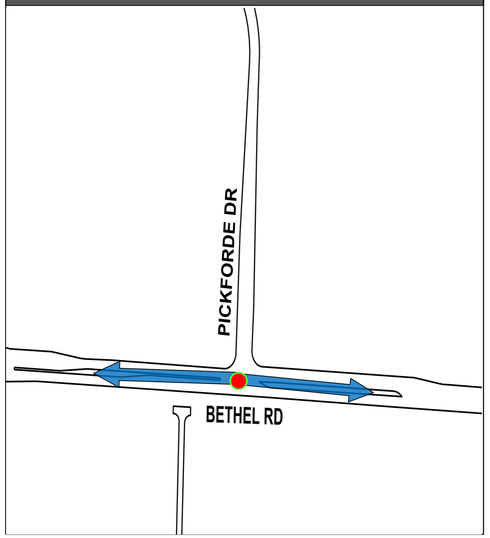


SWITCH	PORT	STATUS	DESTINATION	SHEET NO
1	5	EXISTING	INT# 4164: BETHEL RD. AT DIERKER RD.	499
1	6	EXISTING	INT# 4186: BETHEL RD. AT CARRIAGE PLACE SHOPPING CENTER	497
2	**9**	**PROPOSED**	**INT# 4186: BETHEL RD. AT CARRIAGE PLACE SHOPPING CENTER**	**497**
2	**10**	**PROPOSED**	**INT# 4164: BETHEL RD. AT DIERKER RD.**	**499**

LEGEND

- FIBER PATCH CABLES T/R STANDARD
- FIBER PATCH CABLES R/T CROSSOVER
- EXISTING FIBER PATCH CABLES
- OUTDOOR CAT 5E CABLE
- INDOOR CAT 5E CABLE
- CAT 5E CABLE TO BE REMOVED
- TERMINATION PANEL UPC (Blue)/APC (Green)
- EXISTING/PROPOSED FIBER OR BUFFER TUBE LEFT COILED IN SPLICE ENCLOSURE
- FUSION SPLICE – 6 FIBERS/ SINGLE FIBER
- FUSION SPLICE – 12 FIBER BUFFER TUBE
- EXISTING FUSION SPLICE – 12 FIBER BUFFER TUBE
- INTERSECTION LOCATION
- GBIC OPTICAL TRANSCEIVER LH - SHORT HAUL LED ZX – LONG HAUL LASER
- SFP/COPPER/CAT5/5E/6 CONNECTOR
- COPPER/CAT5/5E/6 CONNECTOR
- 144 STRAND SMF
- 288 STRAND SMF
- WIRELESS ETHERNET RADIO

KEY PLAN



INTERSECTION 4187

REFER TO SHEET 84 FOR CONSTRUCTION PLAN DETAILS
REFER TO SHEET 454 FOR COMM OVERVIEW DETAILS

CIP: 530163 - 100014

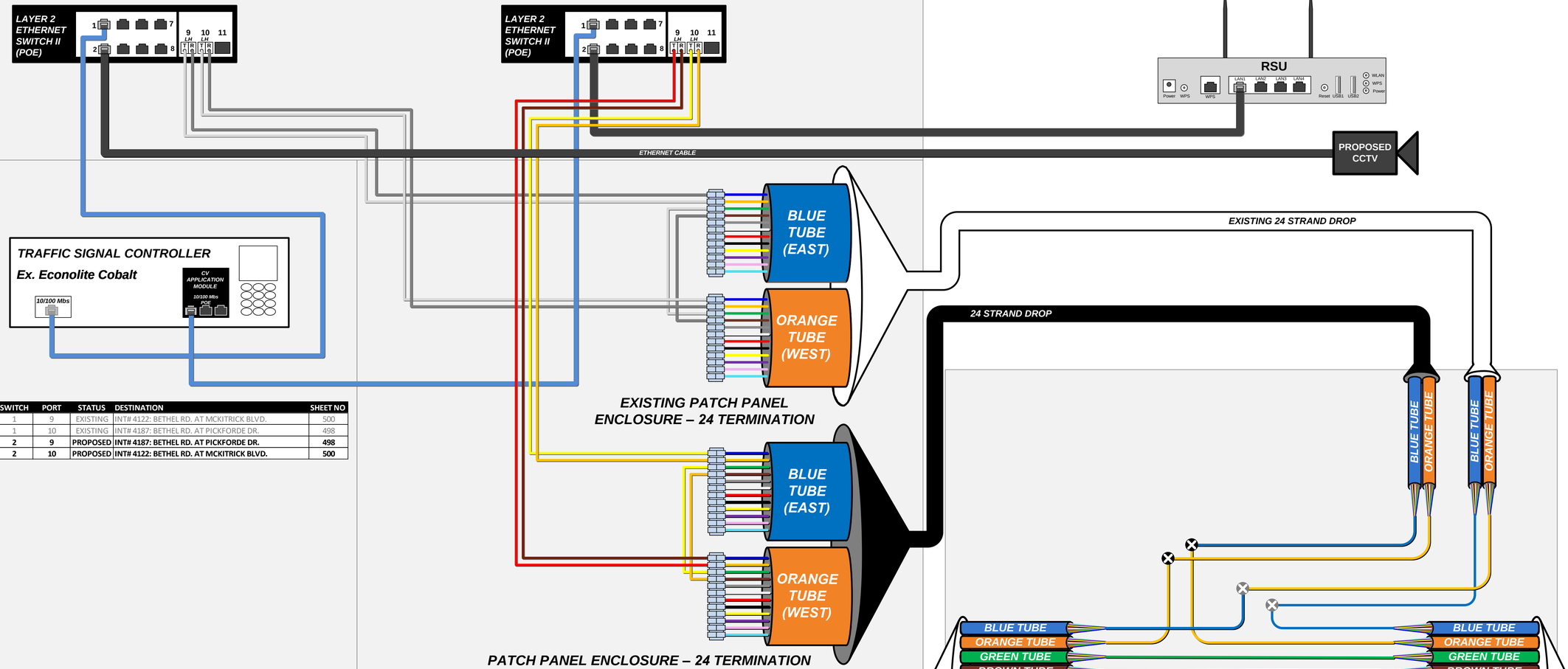
INT# 4187: BETHEL RD. AT PICKFORDE DR.
COMMUNICATIONS DIAGRAM

CITY OF COLUMBUS TRAFFIC SIGNAL SYSTEM
(CTSS) PHASE F – FINAL SUBMITTAL

498
768

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TRAFFIC SIGNAL CABINET ASSEMBLY



SWITCH	PORT	STATUS	DESTINATION	SHEET NO
1	9	EXISTING	INT# 4122: BETHEL RD. AT MCKITRICK BLVD.	500
1	10	EXISTING	INT# 4187: BETHEL RD. AT PICKFORDE DR.	498
2	**9**	**PROPOSED**	**INT# 4187: BETHEL RD. AT PICKFORDE DR.**	**498**
2	**10**	**PROPOSED**	**INT# 4122: BETHEL RD. AT MCKITRICK BLVD.**	**500**

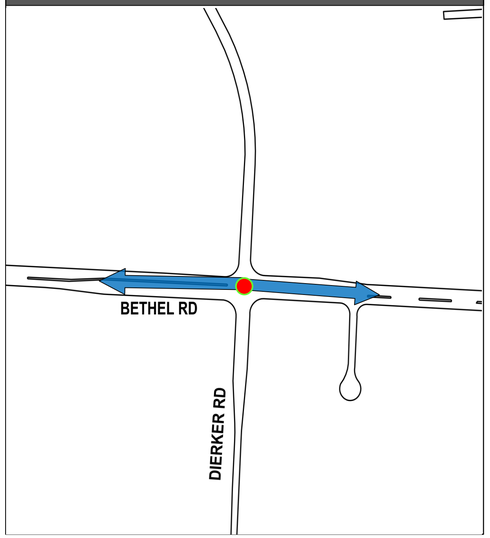
TO:
INT# 4187: BETHEL RD. AT PICKFORDE DR.
SEE SHEET 497

TO:
INT# 4122: BETHEL RD. AT MCKITRICK BLVD.
SEE SHEET 500

LEGEND

- FIBER PATCH CABLES T/R STANDARD
- FIBER PATCH CABLES R/T CROSSOVER
- EXISTING FIBER PATCH CABLES
- OUTDOOR CAT 5E CABLE
- INDOOR CAT 5E CABLE
- CAT 5E CABLE TO BE REMOVED
- TERMINATION PANEL UPC (Blue)/APC (Green)
- EXISTING/PROPOSED FIBER OR BUFFER TUBE LEFT COILED IN SPLICE ENCLOSURE
- FUSION SPLICE – 6 FIBERS/ SINGLE FIBER
- FUSION SPLICE – 12 FIBER BUFFER TUBE
- EXISTING FUSION SPLICE – 12 FIBER BUFFER TUBE
- INTERSECTION LOCATION
- GBIC OPTICAL TRANSCEIVER LH - SHORT HAUL LED ZX – LONG HAUL LASER
- SFP/COPPER/CAT5/5E/6 CONNECTOR
- COPPER/CAT5/5E/6 CONNECTOR
- 144 STRAND SMF
- 288 STRAND SMF
- WIRELESS ETHERNET RADIO

KEY PLAN



CIP: 530163 - 100014

INT# 4164: BETHEL RD. AT DIERKER RD.
COMMUNICATIONS DIAGRAM

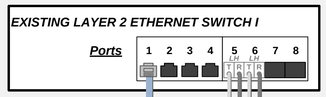
CITY OF COLUMBUS TRAFFIC SIGNAL SYSTEM
(CTSS) PHASE F – FINAL SUBMITTAL

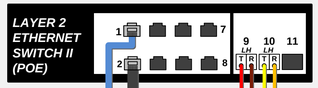
INTERSECTION 4164

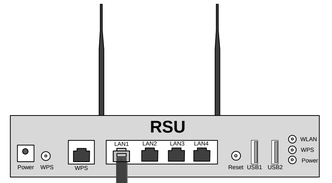
REFER TO SHEET 85 FOR CONSTRUCTION PLAN DETAILS
REFER TO SHEET 454 FOR COMM OVERVIEW DETAILS

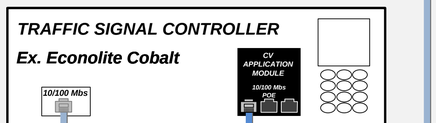
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TRAFFIC SIGNAL CABINET ASSEMBLY

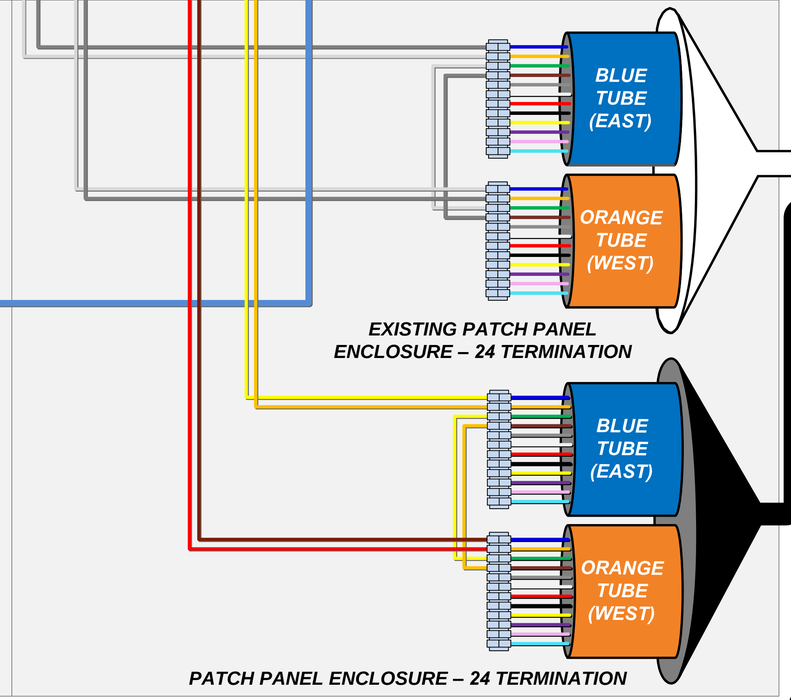


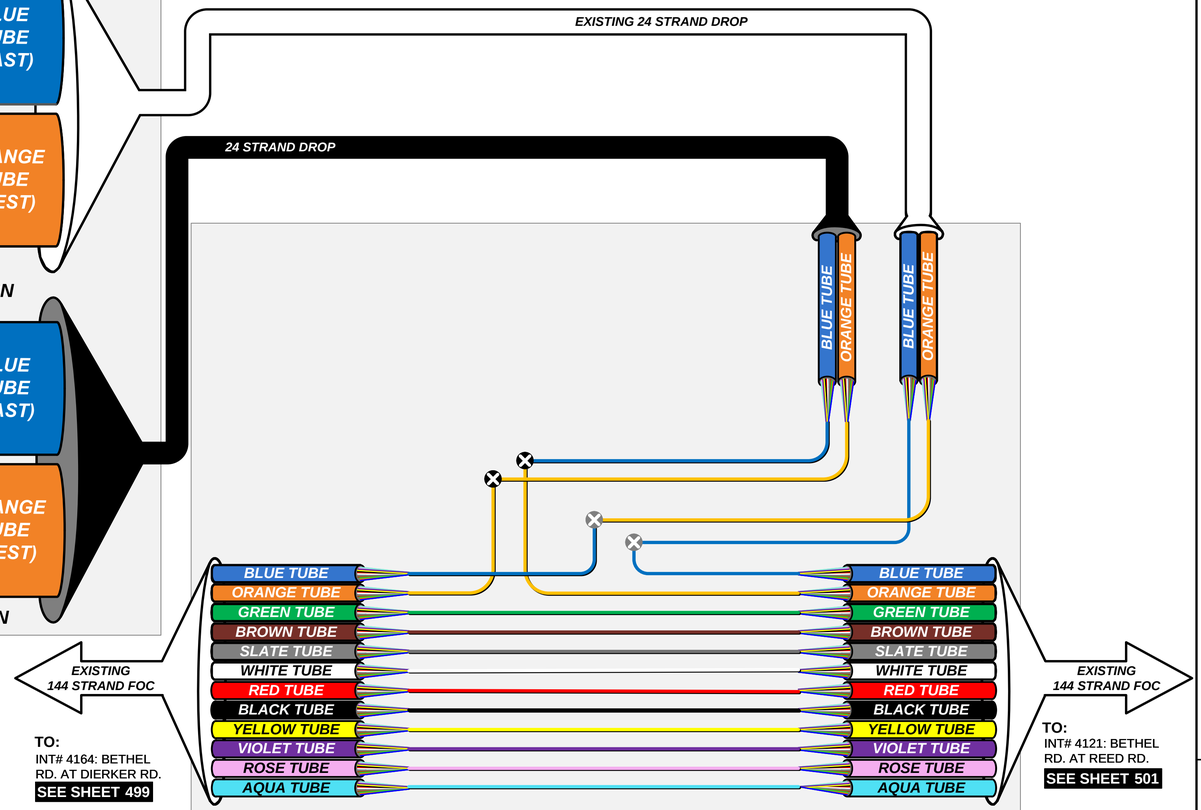






SWITCH	PORT	STATUS	DESTINATION	SHEET NO
1	5	EXISTING	INT# 4121: BETHEL RD. AT REED RD.	501
1	6	EXISTING	INT# 4164: BETHEL RD. AT DIERKER RD.	499
2	**9**	**PROPOSED**	**INT# 4164: BETHEL RD. AT DIERKER RD.**	**499**
2	**10**	**PROPOSED**	**INT# 4121: BETHEL RD. AT REED RD.**	**501**

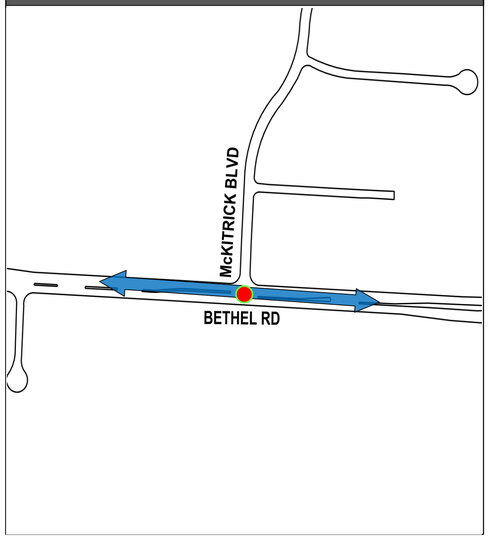




LEGEND

- FIBER PATCH CABLES T/R STANDARD
- FIBER PATCH CABLES R/T CROSSOVER
- EXISTING FIBER PATCH CABLES
- OUTDOOR CAT 5E CABLE
- INDOOR CAT 5E CABLE
- CAT 5E CABLE TO BE REMOVED
- TERMINATION PANEL UPC (Blue)/APC (Green)
- EXISTING/PROPOSED FIBER OR BUFFER TUBE LEFT COILED IN SPLICE ENCLOSURE
- FUSION SPLICE – 6 FIBERS/ SINGLE FIBER
- FUSION SPLICE – 12 FIBER BUFFER TUBE
- EXISTING FUSION SPLICE – 12 FIBER BUFFER TUBE
- INTERSECTION LOCATION
- GBIC OPTICAL TRANSCEIVER LH - SHORT HAUL LED ZX – LONG HAUL LASER
- SFP/COPPER/CAT5/5E/6 CONNECTOR
- COPPER/CAT5/5E/6 CONNECTOR
- 144 STRAND SMF
- 288 STRAND SMF
- WIRELESS ETHERNET RADIO

KEY PLAN



INTERSECTION 4122

REFER TO SHEET 85 FOR CONSTRUCTION PLAN DETAILS
REFER TO SHEET 454 FOR COMM OVERVIEW DETAILS

CIP: 530163 - 100014

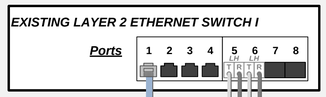
INT# 4122: BETHEL RD. AT MCKITRICK BLVD.
COMMUNICATIONS DIAGRAM

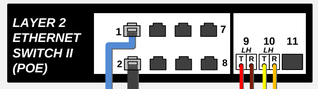
CITY OF COLUMBUS TRAFFIC SIGNAL SYSTEM
(CTSS) PHASE F – FINAL SUBMITTAL

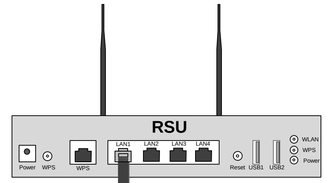
500
768

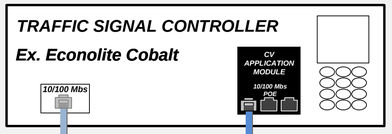
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TRAFFIC SIGNAL CABINET ASSEMBLY

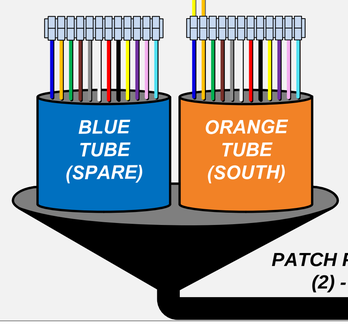


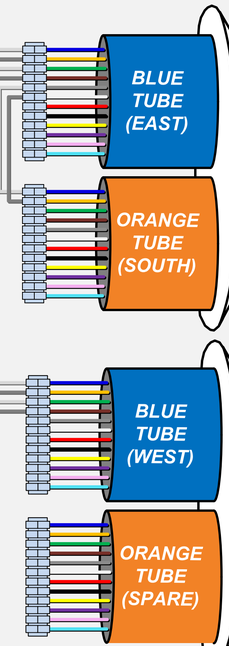






SWITCH	PORT	STATUS	DESTINATION	SHEET NO
1	5	EXISTING	INT# 4120: BETHEL RD. AT GODOWN RD.	504
1	6	EXISTING	INT# 4122: BETHEL RD. AT MCKITRICK BLVD.	500
2	**9**	**PROPOSED**	**INT# 4122: BETHEL RD. AT MCKITRICK BLVD.**	**500**
2	**10**	**PROPOSED**	**INT# 4120: BETHEL RD. AT GODOWN RD.**	**504**





24 STRAND DROP

24 STRAND DROP

EXISTING 24 STRAND DROP

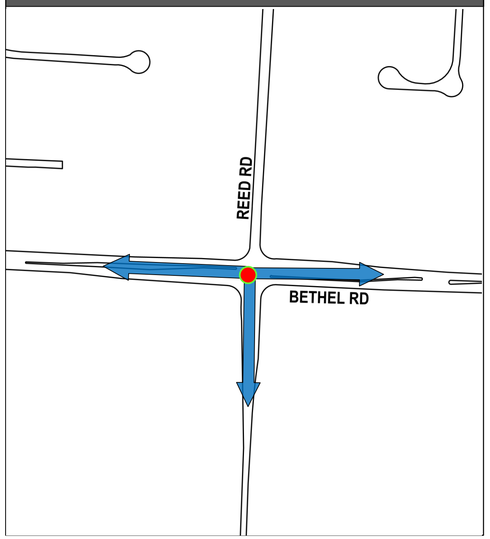
EXISTING 24 STRAND DROP

TO SPLICE ENCLOSURE
MATCHLINE 'A' - SEE SHEET 502

LEGEND

- FIBER PATCH CABLES T/R STANDARD
- FIBER PATCH CABLES R/T CROSSOVER
- EXISTING FIBER PATCH CABLES
- OUTDOOR CAT 5E CABLE
- INDOOR CAT 5E CABLE
- CAT 5E CABLE TO BE REMOVED
- TERMINATION PANEL UPC (Blue)/APC (Green)
- EXISTING/PROPOSED FIBER OR BUFFER TUBE LEFT COILED IN SPLICE ENCLOSURE
- FUSION SPLICE – 6 FIBERS/ SINGLE FIBER
- FUSION SPLICE – 12 FIBER BUFFER TUBE
- EXISTING FUSION SPLICE – 12 FIBER BUFFER TUBE
- INTERSECTION LOCATION
- GBIC OPTICAL TRANSCEIVER LH - SHORT HAUL LED ZX – LONG HAUL LASER
- SFP/COPPER/CAT5/5E/6 CONNECTOR
- COPPER/CAT5/5E/6 CONNECTOR
- 144 STRAND SMF
- 288 STRAND SMF
- WIRELESS ETHERNET RADIO

KEY PLAN



INTERSECTION 4121

REFER TO SHEET 87 FOR CONSTRUCTION PLAN DETAILS
REFER TO SHEET 454 FOR COMM OVERVIEW DETAILS

CIP: 530163 - 100014

INT# 4121: BETHEL RD. AT REED RD.
COMMUNICATIONS DIAGRAM

CITY OF COLUMBUS TRAFFIC SIGNAL SYSTEM
(CTSS) PHASE F – FINAL SUBMITTAL

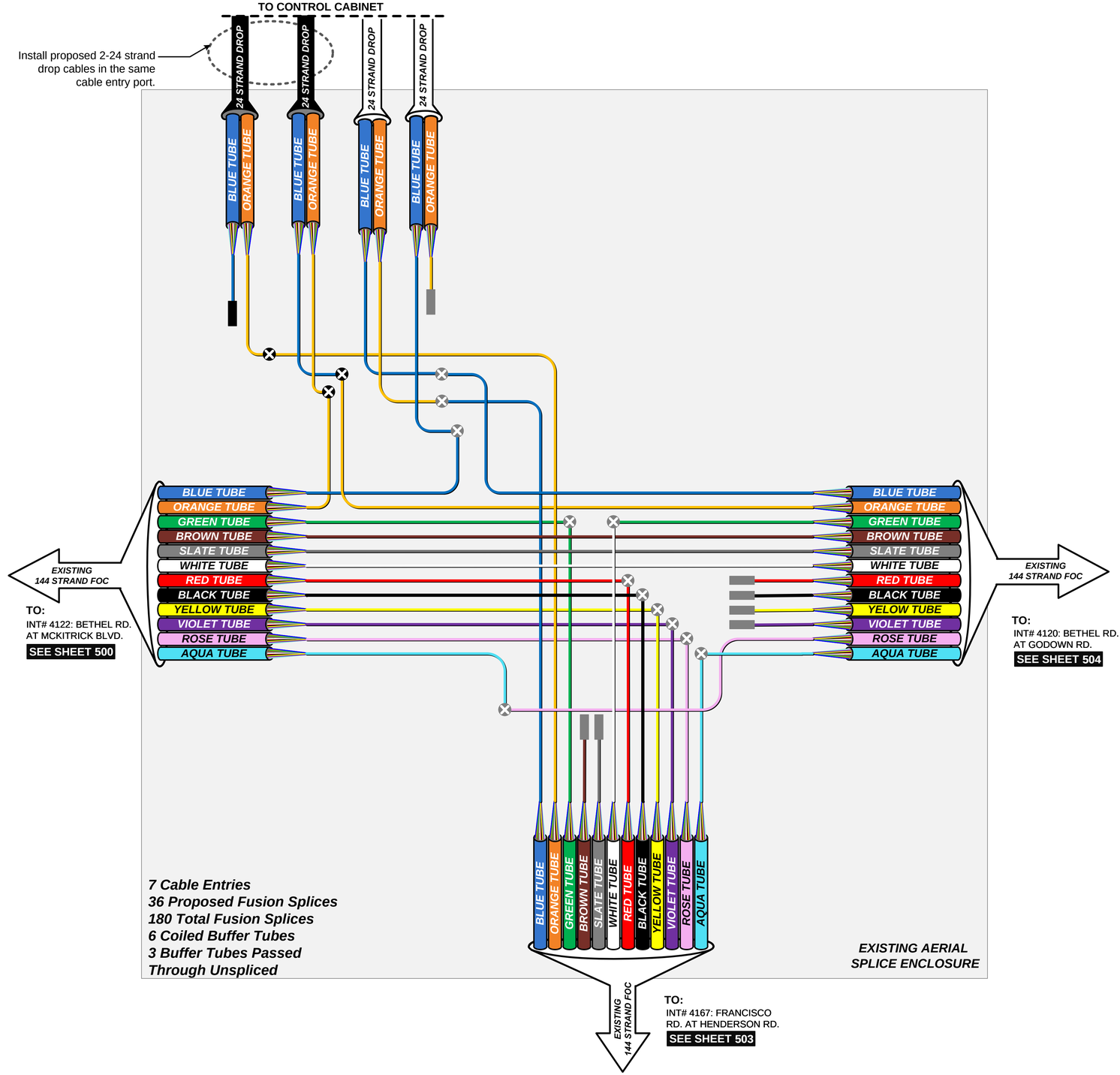
501
768

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MATCHLINE 'A' - SEE SHEET 501
TO CONTROL CABINET

Install proposed 2-24 strand drop cables in the same cable entry port.



EXISTING
144 STRAND FOC

TO:
INT# 4122: BETHEL RD.
AT MCKITRICK BLVD.
SEE SHEET 500

EXISTING
144 STRAND FOC

TO:
INT# 4120: BETHEL RD.
AT GODOWN RD.
SEE SHEET 504

7 Cable Entries
36 Proposed Fusion Splices
180 Total Fusion Splices
6 Coiled Buffer Tubes
3 Buffer Tubes Passed Through Unspliced

EXISTING AERIAL SPLICE ENCLOSURE

EXISTING
144 STRAND FOC

TO:
INT# 4167: FRANCISCO
RD. AT HENDERSON RD.
SEE SHEET 503

INTERSECTION 4121

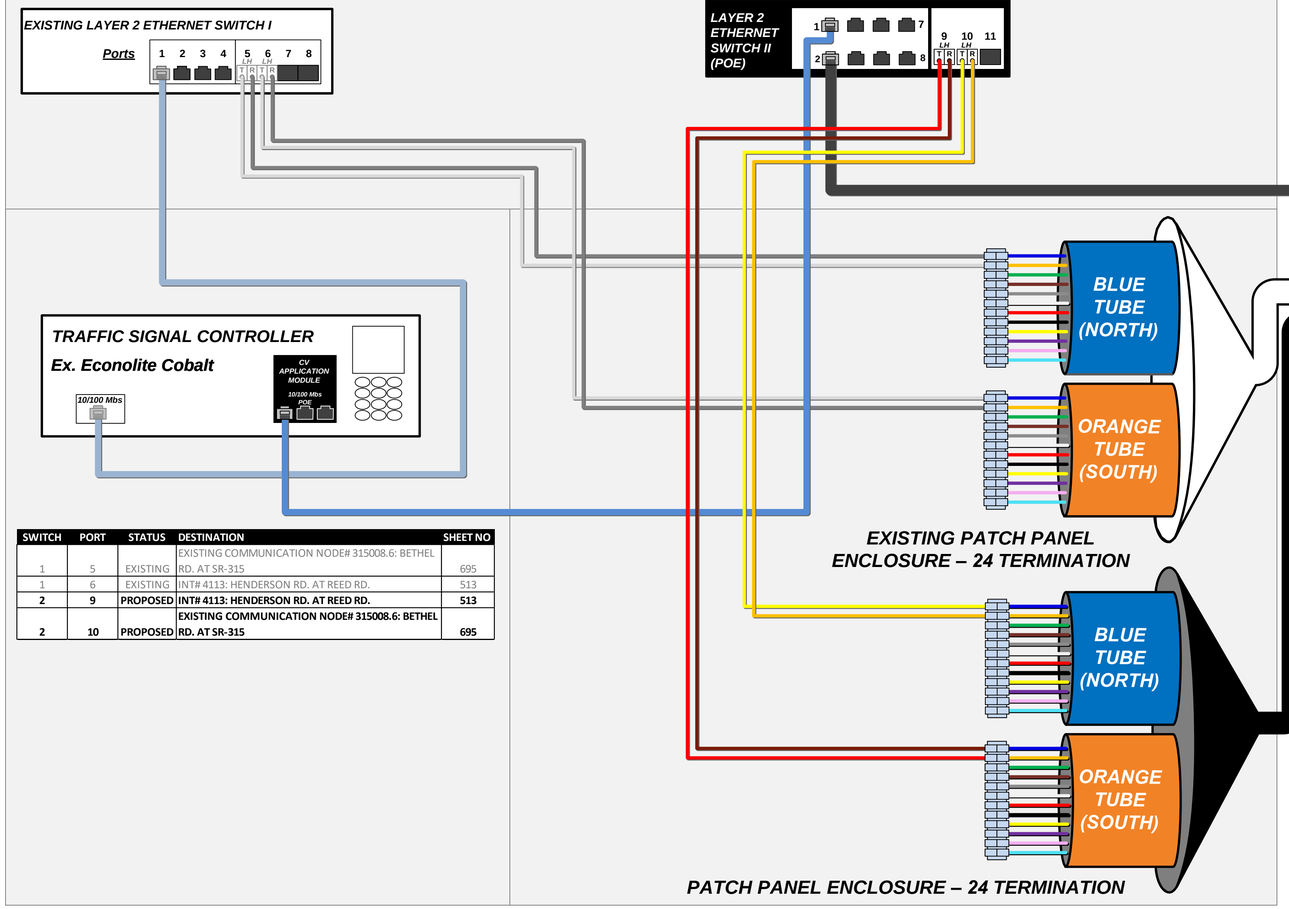
REFER TO SHEET 87 FOR CONSTRUCTION PLAN DETAILS
REFER TO SHEET 454 FOR COMM OVERVIEW DETAILS

CIP: 530163 - 100014

INT# 4121: BETHEL RD. AT REED RD.
COMMUNICATIONS DIAGRAM

CITY OF COLUMBUS TRAFFIC SIGNAL SYSTEM
(CTSS) PHASE F – FINAL SUBMITTAL

TRAFFIC SIGNAL CABINET ASSEMBLY

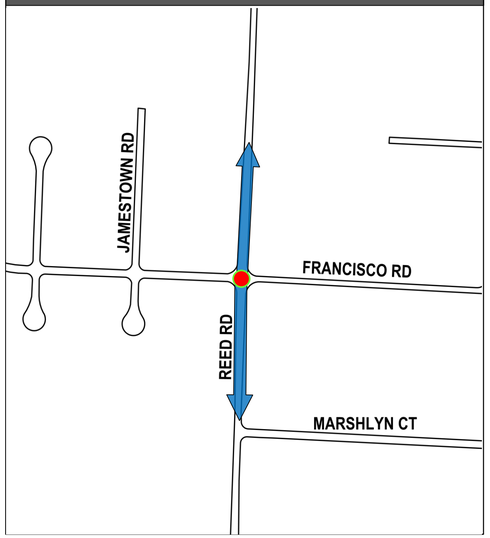


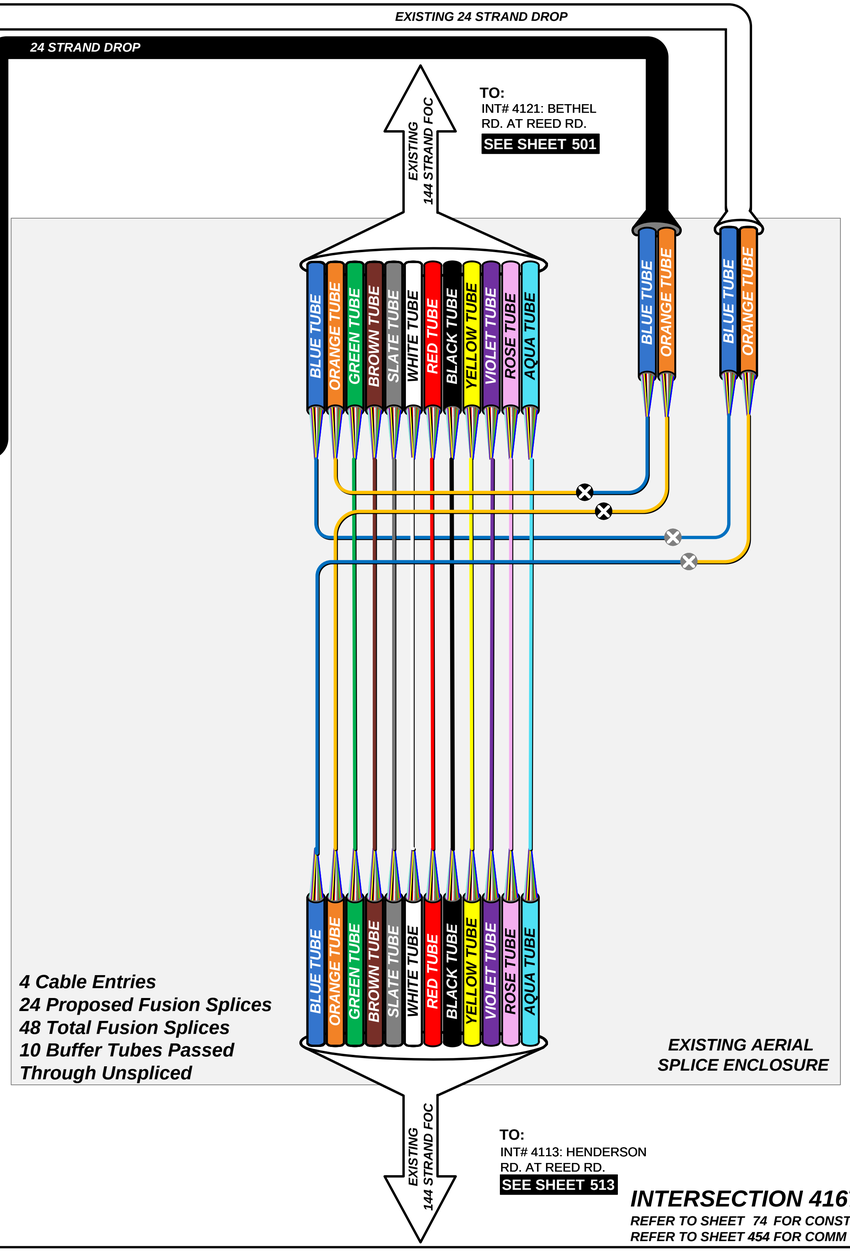
SWITCH	PORT	STATUS	DESTINATION	SHEET NO
1	5	EXISTING	EXISTING COMMUNICATION NODE# 315008.6: BETHEL RD. AT SR-315	695
1	6	EXISTING	INT# 4113: HENDERSON RD. AT REED RD.	513
2	**9**	**PROPOSED**	**INT# 4113: HENDERSON RD. AT REED RD.**	**513**
2	**10**	**PROPOSED**	**EXISTING COMMUNICATION NODE# 315008.6: BETHEL RD. AT SR-315**	**695**

LEGEND

- FIBER PATCH CABLES T/R STANDARD
- FIBER PATCH CABLES R/T CROSSOVER
- EXISTING FIBER PATCH CABLES
- OUTDOOR CAT 5E CABLE
- INDOOR CAT 5E CABLE
- CAT 5E CABLE TO BE REMOVED
- TERMINATION PANEL UPC (Blue)/APC (Green)
- EXISTING/PROPOSED FIBER OR BUFFER TUBE LEFT COILED IN SPLICE ENCLOSURE
- FUSION SPLICE – 6 FIBERS/ SINGLE FIBER
- FUSION SPLICE – 12 FIBER BUFFER TUBE
- EXISTING FUSION SPLICE – 12 FIBER BUFFER TUBE
- INTERSECTION LOCATION
- GBIC OPTICAL TRANSCEIVER LH - SHORT HAUL LED ZX – LONG HAUL LASER
- SFP/COPPER/CAT5/5E/6 CONNECTOR
- COPPER/CAT5/5E/6 CONNECTOR
- 144 STRAND SMF
- 288 STRAND SMF
- WIRELESS ETHERNET RADIO

KEY PLAN





INTERSECTION 4167

REFER TO SHEET 74 FOR CONSTRUCTION PLAN DETAILS
REFER TO SHEET 454 FOR COMM OVERVIEW DETAILS

CIP: 530163 - 100014

INT# 4167: FRANCISCO RD. AT HENDERSON RD.
COMMUNICATIONS DIAGRAM

CITY OF COLUMBUS TRAFFIC SIGNAL SYSTEM
(CTSS) PHASE F – FINAL SUBMITTAL

503
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TRAFFIC SIGNAL CABINET ASSEMBLY

EXISTING LAYER 2 ETHERNET SWITCH I

Ports 1 2 3 4 5 6 7 8 (5, 6: LH T R R T)

LAYER 2 ETHERNET SWITCH II (POE)

1 2 7 8 9 10 11 (9, 10: LH T R R T)

RSU

Power WPS WPS LAN1 LAN2 LAN3 LAN4 Reset USB1 USB2 WLAN WPS Power

EXISTING CCTV

EXISTING COMPOSITE CCTV CABLE

TRAFFIC SIGNAL CONTROLLER

Ex. Econolite Cobalt

10/100 Mbs

CV APPLICATION MODULE

10/100 Mbs POE

BLUE TUBE (EAST)

ORANGE TUBE (WEST)

EXISTING 24 STRAND DROP

24 STRAND DROP

EXISTING PATCH PANEL ENCLOSURE – 24 TERMINATION

BLUE TUBE (EAST)

ORANGE TUBE (WEST)

SWITCH	PORT	STATUS	DESTINATION	SHEET NO
1	5	EXISTING	INT# 4142: BETHEL RD. AT KENNY RD.	505
1	6	EXISTING	INT# 4121: BETHEL RD. AT REED RD.	501
2	**9**	**PROPOSED**	**INT# 4121: BETHEL RD. AT REED RD.**	**501**
2	**10**	**PROPOSED**	**INT# 4142: BETHEL RD. AT KENNY RD.**	**505**

EXISTING CCTV FIELD BOX

VIDEO/PTZ IP DATA

CCTV/HEATER POWER

10/100 Mbs

ANALOG VIDEO

BLUE TUBE ORANGE TUBE BLUE TUBE ORANGE TUBE

BLUE TUBE
ORANGE TUBE
GREEN TUBE
BROWN TUBE
SLATE TUBE
WHITE TUBE
RED TUBE
BLACK TUBE
YELLOW TUBE
VIOLET TUBE
ROSE TUBE
AQUA TUBE

EXISTING 144 STRAND FOC

TO:
INT# 4121: BETHEL RD. AT REED RD.
SEE SHEET 501

EXISTING 144 STRAND FOC

TO:
INT# 4142: BETHEL RD. AT KENNY RD.
SEE SHEET 505

4 Cable Entries
24 Proposed Fusion Splices
48 Total Fusion Splices
10 Buffer Tubes Passed Through Unspliced

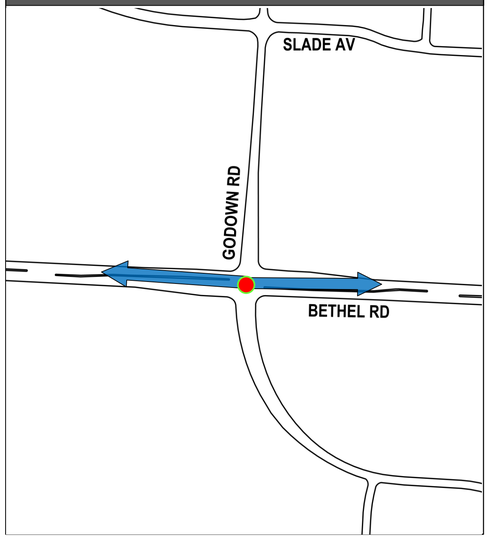
EXISTING AERIAL SPLICE ENCLOSURE

PATCH PANEL ENCLOSURE – 24 TERMINATION

LEGEND

- FIBER PATCH CABLES T/R STANDARD
- FIBER PATCH CABLES R/T CROSSOVER
- EXISTING FIBER PATCH CABLES
- OUTDOOR CAT 5E CABLE
- INDOOR CAT 5E CABLE
- CAT 5E CABLE TO BE REMOVED
- TERMINATION PANEL UPC (Blue)/APC (Green)
- EXISTING/PROPOSED FIBER OR BUFFER TUBE LEFT COILED IN SPLICE ENCLOSURE
- FUSION SPLICE – 6 FIBERS/ SINGLE FIBER
- FUSION SPLICE – 12 FIBER BUFFER TUBE
- EXISTING FUSION SPLICE – 12 FIBER BUFFER TUBE
- INTERSECTION LOCATION
- GBIC OPTICAL TRANSCEIVER LH - SHORT HAUL LED ZX – LONG HAUL LASER (LH T R, ZX T R)
- SFP/COPPER/CAT5/5E/6 CONNECTOR
- COPPER/CAT5/5E/6 CONNECTOR
- 144 STRAND SMF
- 288 STRAND SMF
- WIRELESS ETHERNET RADIO

KEY PLAN



INTERSECTION 4120

REFER TO SHEET 87 FOR CONSTRUCTION PLAN DETAILS
REFER TO SHEET 455 FOR COMM OVERVIEW DETAILS

CIP: 530163 - 100014

INT# 4120: BETHEL RD. AT GODOWN RD.
COMMUNICATIONS DIAGRAM

CITY OF COLUMBUS TRAFFIC SIGNAL SYSTEM
(CTSS) PHASE F – FINAL SUBMITTAL

504
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TRAFFIC SIGNAL CABINET ASSEMBLY

EXISTING LAYER 2 ETHERNET SWITCH I

Ports 1 2 3 4 5 6 7 8

LAYER 2 ETHERNET SWITCH II (POE)

1 2 7 8 9 10 11

RSU

Power WPS WPS LAN1 LAN2 LAN3 LAN4 Reset USB1 USB2 WLAN WPS Power

TRAFFIC SIGNAL CONTROLLER

Ex. Econolite Cobalt

10/100 Mbs

CV APPLICATION MODULE 10/100 Mbs POE

BLUE TUBE (EAST)

ORANGE TUBE (WEST)

EXISTING 24 STRAND DROP

24 STRAND DROP

EXISTING PATCH PANEL ENCLOSURE – 24 TERMINATION

BLUE TUBE (EAST)

ORANGE TUBE (WEST)

PATCH PANEL ENCLOSURE – 24 TERMINATION

SWITCH	PORT	STATUS	DESTINATION	SHEET NO
1	5	EXISTING	INT# 4192: BETHEL RD. AT JASONWAY AVE.	506
1	6	EXISTING	INT# 4120: BETHEL RD. AT GODOWN RD.	504
2	**9**	**PROPOSED**	**INT# 4120: BETHEL RD. AT GODOWN RD.**	**504**
2	**10**	**PROPOSED**	**INT# 4192: BETHEL RD. AT JASONWAY AVE.**	**506**

BLUE TUBE ORANGE TUBE BLUE TUBE ORANGE TUBE

BLUE TUBE
ORANGE TUBE
GREEN TUBE
BROWN TUBE
SLATE TUBE
WHITE TUBE
RED TUBE
BLACK TUBE
YELLOW TUBE
VIOLET TUBE
ROSE TUBE
AQUA TUBE

BLUE TUBE
ORANGE TUBE
GREEN TUBE
BROWN TUBE
SLATE TUBE
WHITE TUBE
RED TUBE
BLACK TUBE
YELLOW TUBE
VIOLET TUBE
ROSE TUBE
AQUA TUBE

EXISTING 144 STRAND FOC

TO:
INT# 4120: BETHEL RD. AT GODOWN RD.
SEE SHEET 504

EXISTING 144 STRAND FOC

TO:
INT# 4192: BETHEL RD. AT JASONWAY AVE.
SEE SHEET 506

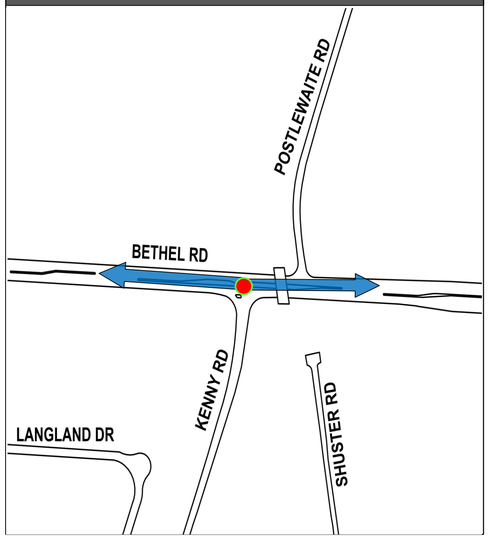
4 Cable Entries
24 Proposed Fusion Splices
48 Total Fusion Splices
10 Buffer Tubes Passed Through Unspliced

EXISTING AERIAL SPLICE ENCLOSURE

LEGEND

- FIBER PATCH CABLES T/R STANDARD
- FIBER PATCH CABLES R/T CROSSOVER
- EXISTING FIBER PATCH CABLES
- OUTDOOR CAT 5E CABLE
- INDOOR CAT 5E CABLE
- CAT 5E CABLE TO BE REMOVED
- TERMINATION PANEL UPC (Blue)/APC (Green)
- EXISTING/PROPOSED FIBER OR BUFFER TUBE LEFT COILED IN SPLICE ENCLOSURE
- FUSION SPLICE – 6 FIBERS/ SINGLE FIBER
- FUSION SPLICE – 12 FIBER BUFFER TUBE
- EXISTING FUSION SPLICE – 12 FIBER BUFFER TUBE
- INTERSECTION LOCATION
- GBIC OPTICAL TRANSCEIVER LH - SHORT HAUL LED ZX – LONG HAUL LASER
- SFP/COPPER/CAT5/5E/6 CONNECTOR
- COPPER/CAT5/5E/6 CONNECTOR
- 144 STRAND SMF
- 288 STRAND SMF
- WIRELESS ETHERNET RADIO

KEY PLAN



INTERSECTION 4142

REFER TO SHEET 88 FOR CONSTRUCTION PLAN DETAILS
REFER TO SHEET 455 FOR COMM OVERVIEW DETAILS

CIP: 530163 - 100014

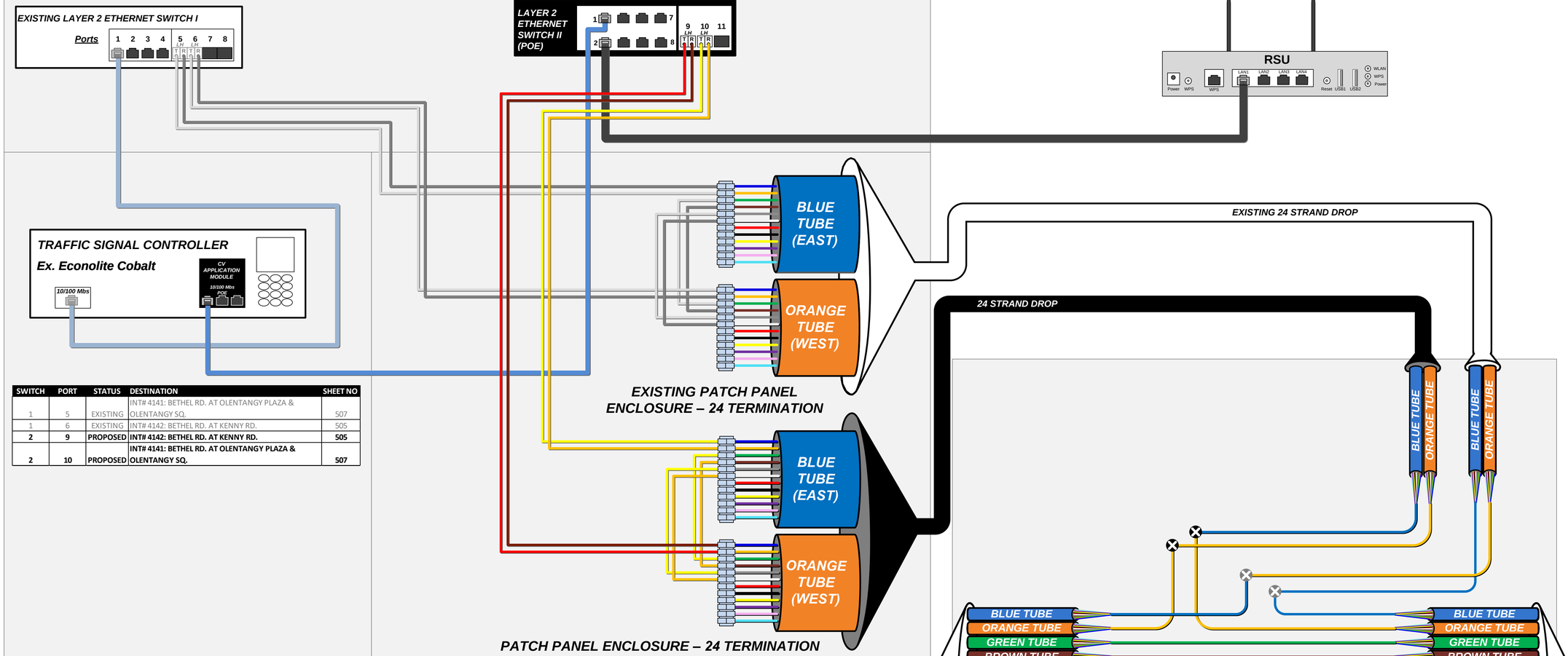
INT# 4142: BETHEL RD. AT KENNY RD.
COMMUNICATIONS DIAGRAM

CITY OF COLUMBUS TRAFFIC SIGNAL SYSTEM
(CTSS) PHASE F – FINAL SUBMITTAL

505
768

\\colw00\pmwork\Jobs\70202 - CTSS Phase F\TECHPROD\Communications\Intersection Splicing Details\497-509.vsd - 4142 layout ~ last saved by: skoganti 6/1/2022 9:56:43 AM ~ printed: 6/1/2022 9:56:43 AM

TRAFFIC SIGNAL CABINET ASSEMBLY

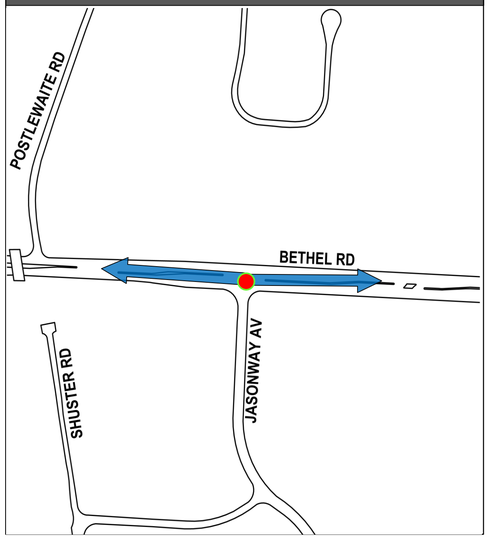


SWITCH	PORT	STATUS	DESTINATION	SHEET NO
1	5	EXISTING	INT# 4141: BETHEL RD. AT OLENTANGY PLAZA & OLENTANGY SQ.	507
1	6	EXISTING	INT# 4142: BETHEL RD. AT KENNY RD.	505
2	**9**	**PROPOSED**	**INT# 4142: BETHEL RD. AT KENNY RD.**	**505**
2	**10**	**PROPOSED**	**INT# 4141: BETHEL RD. AT OLENTANGY PLAZA & OLENTANGY SQ.**	**507**

LEGEND

- FIBER PATCH CABLES T/R STANDARD
- FIBER PATCH CABLES R/T CROSSOVER
- EXISTING FIBER PATCH CABLES
- OUTDOOR CAT 5E CABLE
- INDOOR CAT 5E CABLE
- CAT 5E CABLE TO BE REMOVED
- TERMINATION PANEL UPC (Blue)/APC (Green)
- EXISTING/PROPOSED FIBER OR BUFFER TUBE LEFT COILED IN SPLICE ENCLOSURE
- FUSION SPLICE – 6 FIBERS/ SINGLE FIBER
- FUSION SPLICE – 12 FIBER BUFFER TUBE
- EXISTING FUSION SPLICE – 12 FIBER BUFFER TUBE
- INTERSECTION LOCATION
- GBIC OPTICAL TRANSCEIVER LH - SHORT HAUL LED ZX – LONG HAUL LASER
- SFP/COPPER/CAT5/5E/6 CONNECTOR
- COPPER/CAT5/5E/6 CONNECTOR
- 144 STRAND SMF
- 288 STRAND SMF
- WIRELESS ETHERNET RADIO

KEY PLAN



INTERSECTION 4192

REFER TO SHEET 88 FOR CONSTRUCTION PLAN DETAILS
REFER TO SHEET 455 FOR COMM OVERVIEW DETAILS

CIP: 530163 - 100014

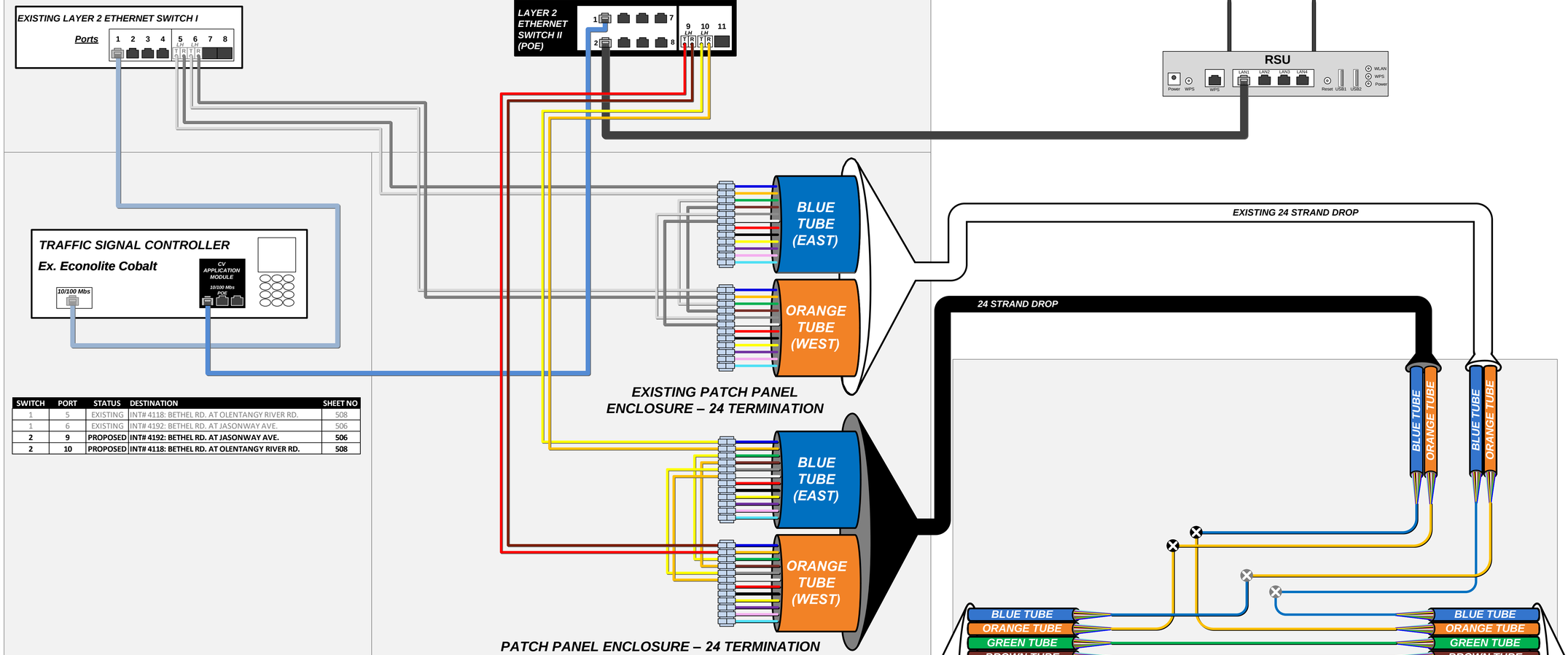
INT# 4192: BETHEL RD. AT JASONWAY AVE.
COMMUNICATIONS DIAGRAM

CITY OF COLUMBUS TRAFFIC SIGNAL SYSTEM
(CTSS) PHASE F – FINAL SUBMITTAL

506
768

\\colw00\pmwork\Jobs\70202 - CTSS Phase F\TECHPROD\Communications\Intersection Splicing Details\497-509.vsd - 4192 layout ~ last saved by: skoganti 6/1/2022 9:56:43 AM ~ printed: 6/1/2022 9:56:43 AM

TRAFFIC SIGNAL CABINET ASSEMBLY



SWITCH	PORT	STATUS	DESTINATION	SHEET NO
1	5	EXISTING	INT# 4118: BETHEL RD. AT OLENTANGY RIVER RD.	508
1	6	EXISTING	INT# 4192: BETHEL RD. AT JASONWAY AVE.	506
2	**9**	**PROPOSED**	**INT# 4192: BETHEL RD. AT JASONWAY AVE.**	**506**
2	**10**	**PROPOSED**	**INT# 4118: BETHEL RD. AT OLENTANGY RIVER RD.**	**508**

EXISTING 144 STRAND FOC

TO:
INT# 4192: BETHEL RD. AT JASONWAY AVE.
SEE SHEET 506

EXISTING 144 STRAND FOC

TO:
INT# 4118: BETHEL RD. AT OLENTANGY RIVER RD.
SEE SHEET 508

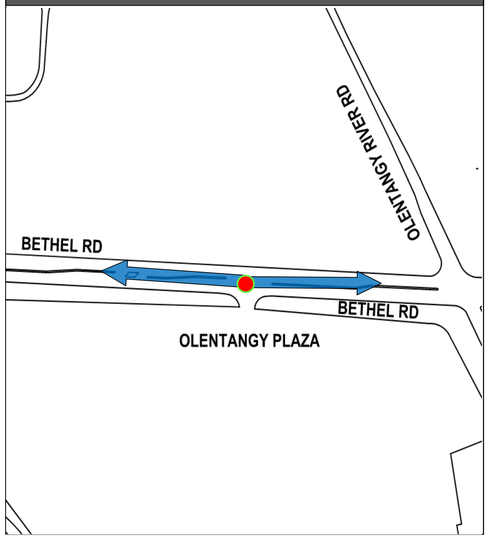
4 Cable Entries
24 Proposed Fusion Splices
48 Total Fusion Splices
10 Buffer Tubes Passed Through Unspliced

EXISTING AERIAL SPLICE ENCLOSURE

LEGEND

- FIBER PATCH CABLES T/R STANDARD
- FIBER PATCH CABLES R/T CROSSOVER
- EXISTING FIBER PATCH CABLES
- OUTDOOR CAT 5E CABLE
- INDOOR CAT 5E CABLE
- CAT 5E CABLE TO BE REMOVED
- TERMINATION PANEL UPC (Blue)/APC (Green)
- EXISTING/PROPOSED FIBER OR BUFFER TUBE LEFT COILED IN SPLICE ENCLOSURE
- FUSION SPLICE – 6 FIBERS/ SINGLE FIBER
- FUSION SPLICE – 12 FIBER BUFFER TUBE
- EXISTING FUSION SPLICE – 12 FIBER BUFFER TUBE
- INTERSECTION LOCATION
- GBIC OPTICAL TRANSCEIVER LH - SHORT HAUL LED ZX – LONG HAUL LASER
- SFP/COPPER/CAT5/5E/6 CONNECTOR
- COPPER/CAT5/5E/6 CONNECTOR
- 144 STRAND SMF
- 288 STRAND SMF
- WIRELESS ETHERNET RADIO

KEY PLAN



INTERSECTION 4141
REFER TO SHEET 90 FOR CONSTRUCTION PLAN DETAILS
REFER TO SHEET 45 FOR COMM OVERVIEW DETAILS

CIP: 530163 - 100014

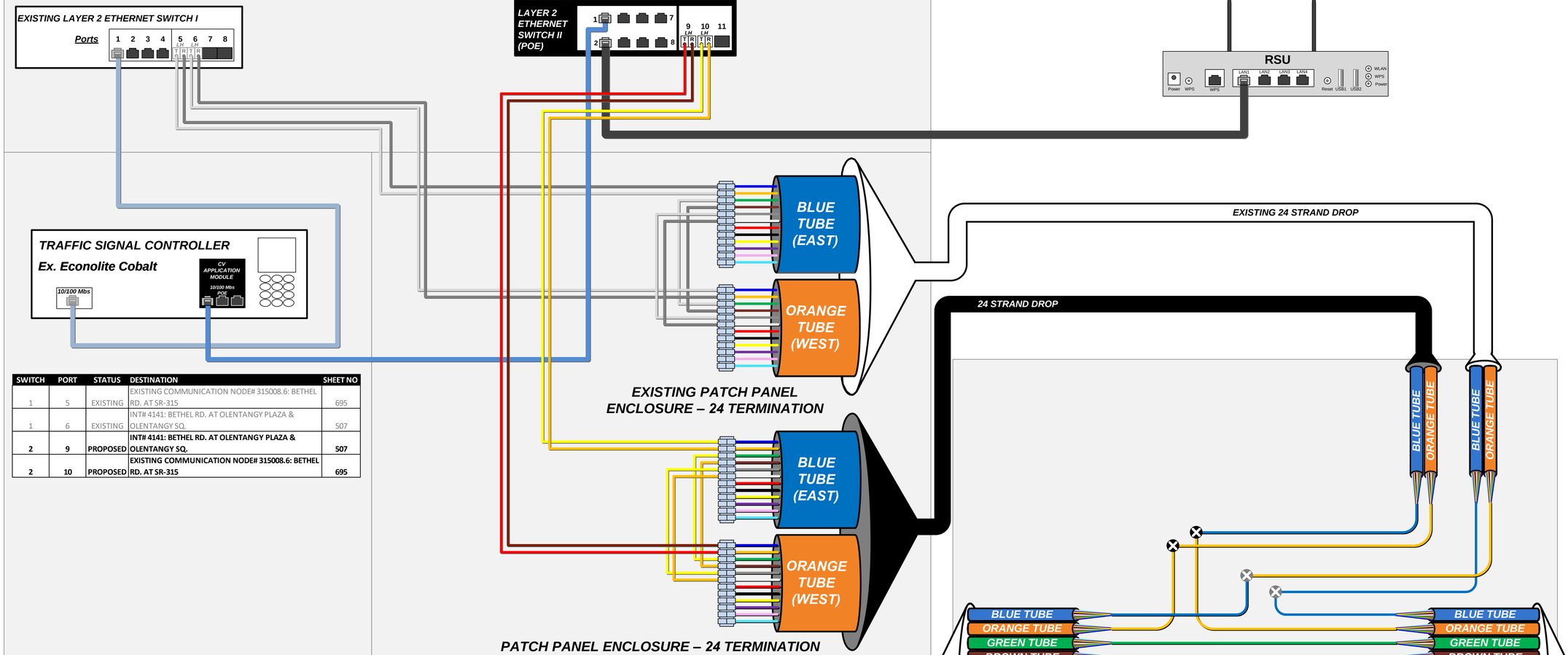
INT# 4141: BETHEL RD. AT OLENTANGY PLAZA & OLENTANGY SQ.
COMMUNICATIONS DIAGRAM

CITY OF COLUMBUS TRAFFIC SIGNAL SYSTEM
(CTSS) PHASE F – FINAL SUBMITTAL

507
768

\\colv00\pmwork\Jobs\70202 - CTSS Phase F\TECHPROD\Communications\Intersection Splicing Details\497-509.vsd - 4141 layout ~ last saved by: skoganti 6/1/2022 9:56:43 AM ~ printed: 6/1/2022 9:56:43 AM

TRAFFIC SIGNAL CABINET ASSEMBLY

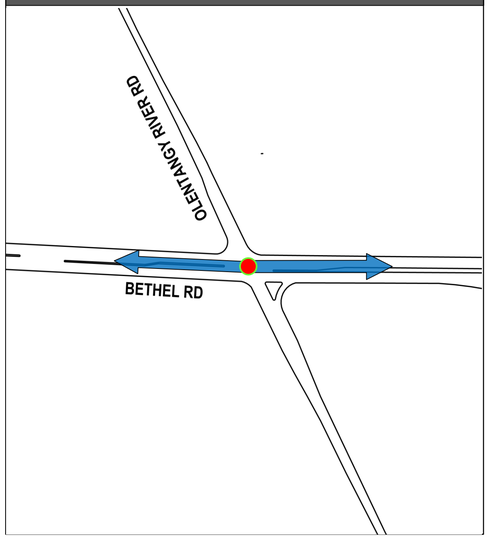


SWITCH	PORT	STATUS	DESTINATION	SHEET NO
1	5	EXISTING	EXISTING COMMUNICATION NODE# 315008.6: BETHEL RD. AT SR-315	695
1	6	EXISTING	INT# 4141: BETHEL RD. AT OLENTANGY PLAZA & OLENTANGY SQ.	507
2	**9**	**PROPOSED**	**INT# 4141: BETHEL RD. AT OLENTANGY PLAZA & OLENTANGY SQ.**	**507**
2	**10**	**PROPOSED**	**EXISTING COMMUNICATION NODE# 315008.6: BETHEL RD. AT SR-315**	**695**

LEGEND

- FIBER PATCH CABLES T/R STANDARD
- FIBER PATCH CABLES R/T CROSSOVER
- EXISTING FIBER PATCH CABLES
- OUTDOOR CAT 5E CABLE
- INDOOR CAT 5E CABLE
- CAT 5E CABLE TO BE REMOVED
- TERMINATION PANEL UPC (Blue)/APC (Green)
- EXISTING/PROPOSED FIBER OR BUFFER TUBE LEFT COILED IN SPLICE ENCLOSURE
- FUSION SPLICE – 6 FIBERS/ SINGLE FIBER
- FUSION SPLICE – 12 FIBER BUFFER TUBE
- EXISTING FUSION SPLICE – 12 FIBER BUFFER TUBE
- INTERSECTION LOCATION
- GBIC OPTICAL TRANSCEIVER LH - SHORT HAUL LED ZX – LONG HAUL LASER
- SFP/COPPER/CAT5/5E/6 CONNECTOR
- COPPER/CAT5/5E/6 CONNECTOR
- 144 STRAND SMF
- 288 STRAND SMF
- WIRELESS ETHERNET RADIO

KEY PLAN



INTERSECTION 4118

REFER TO SHEET 90 FOR CONSTRUCTION PLAN DETAILS
REFER TO SHEET 456 FOR COMM OVERVIEW DETAILS

CIP: 530163 - 100014

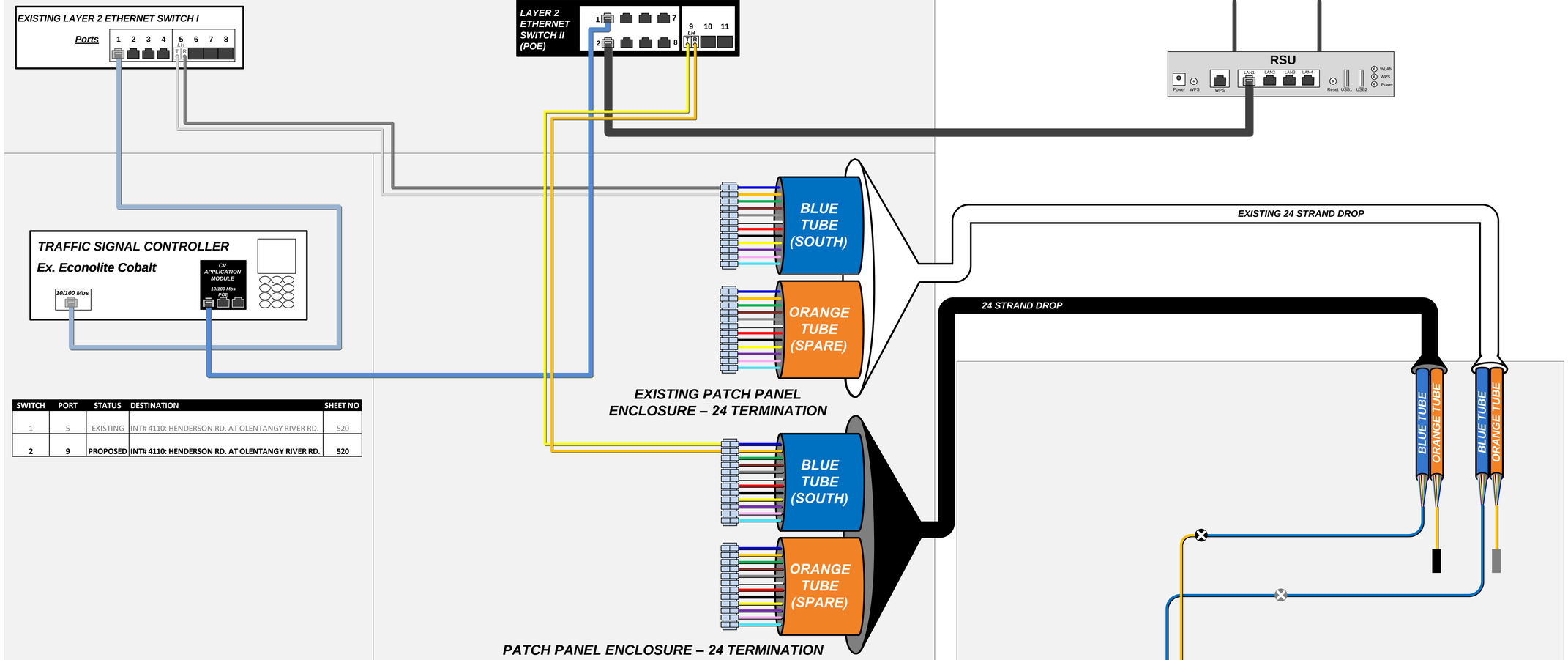
INT# 4118: BETHEL RD. AT OLENTANGY RIVER RD.
COMMUNICATIONS DIAGRAM

CITY OF COLUMBUS TRAFFIC SIGNAL SYSTEM
(CTSS) PHASE F – FINAL SUBMITTAL

508
768

\\colw00\pmwork\Jobs\70202 - CTSS Phase F\TECHPROD\Communications\Intersection Splicing Details\497-509.vsd - 4118 layout ~ last saved by: skoganti 6/1/2022 9:56:43 AM ~ printed: 6/1/2022 9:56:43 AM

TRAFFIC SIGNAL CABINET ASSEMBLY

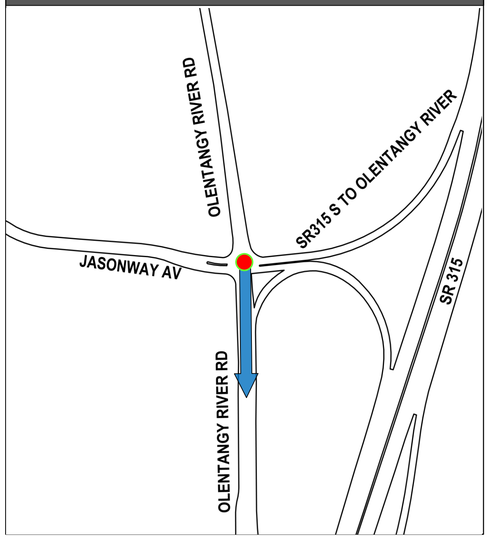


SWITCH	PORT	STATUS	DESTINATION	SHEET NO
1	5	EXISTING	INT# 4110: HENDERSON RD. AT OLENTANGY RIVER RD.	520
2	**9**	**PROPOSED**	**INT# 4110: HENDERSON RD. AT OLENTANGY RIVER RD.**	**520**

LEGEND

- FIBER PATCH CABLES T/R STANDARD
- FIBER PATCH CABLES R/T CROSSOVER
- EXISTING FIBER PATCH CABLES
- OUTDOOR CAT 5E CABLE
- INDOOR CAT 5E CABLE
- CAT 5E CABLE TO BE REMOVED
- TERMINATION PANEL UPC (Blue)/APC (Green)
- EXISTING/PROPOSED FIBER OR BUFFER TUBE LEFT COILED IN SPLICE ENCLOSURE
- FUSION SPLICE – 6 FIBERS/ SINGLE FIBER
- FUSION SPLICE – 12 FIBER BUFFER TUBE
- EXISTING FUSION SPLICE – 12 FIBER BUFFER TUBE
- INTERSECTION LOCATION
- GBIC OPTICAL TRANSCEIVER LH - SHORT HAUL LED ZX – LONG HAUL LASER
- SFP/COPPER/CAT5/5E/6 CONNECTOR
- COPPER/CAT5/5E/6 CONNECTOR
- 144 STRAND SMF
- 288 STRAND SMF
- WIRELESS ETHERNET RADIO

KEY PLAN



INTERSECTION 4117

REFER TO SHEET 80 FOR CONSTRUCTION PLAN DETAILS
REFER TO SHEET 456 FOR COMM OVERVIEW DETAILS

CIP: 530163 - 100014

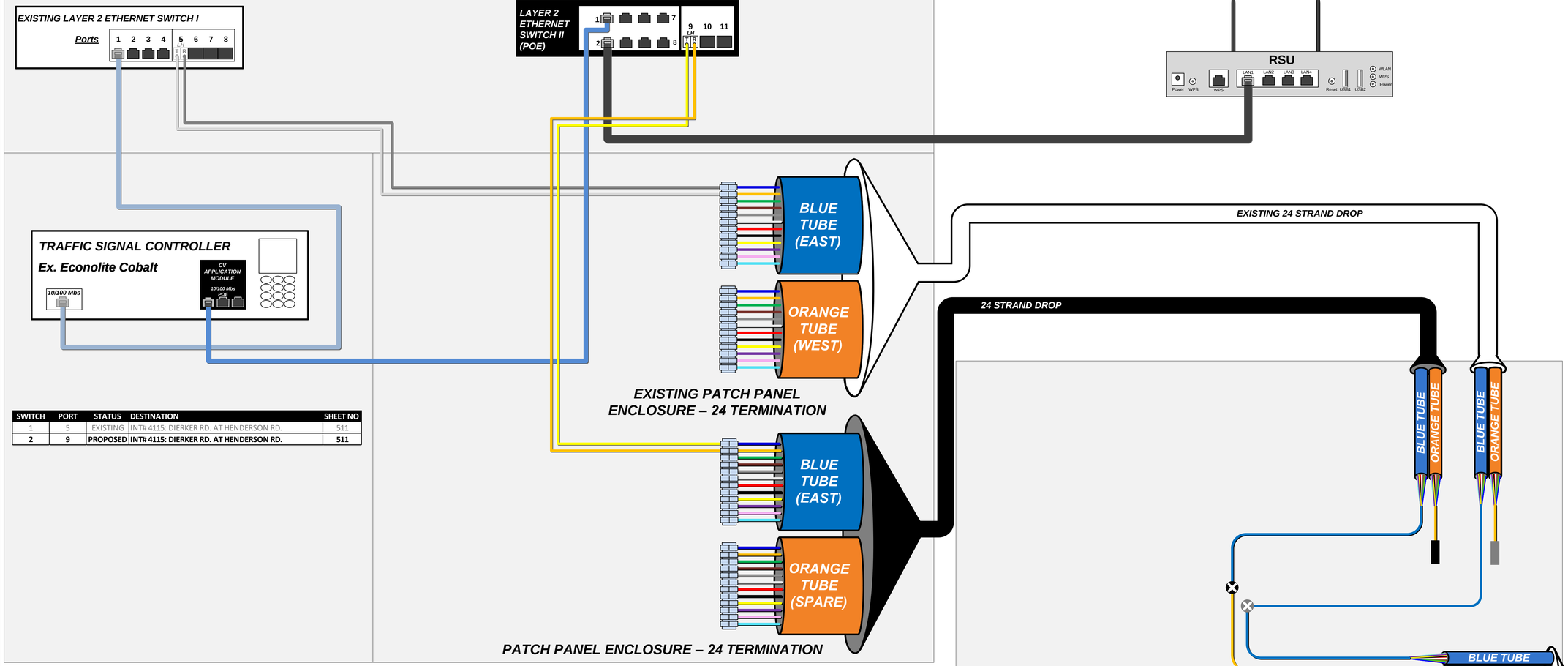
INT# 4117: JASONWAY AVE. AT OLENTANGY RIVER RD.
COMMUNICATIONS DIAGRAM

CITY OF COLUMBUS TRAFFIC SIGNAL SYSTEM
(CTSS) PHASE F – FINAL SUBMITTAL

509
768

\\colw00\pmwork\Jobs\70202 - CTSS Phase F\TECHPROD\Communications\Intersection Splicing Details\497-509.vsd - 4117 layout ~ last saved by: skoganti 6/1/2022 9:56:43 AM ~ printed: 6/1/2022 9:56:43 AM

TRAFFIC SIGNAL CABINET ASSEMBLY

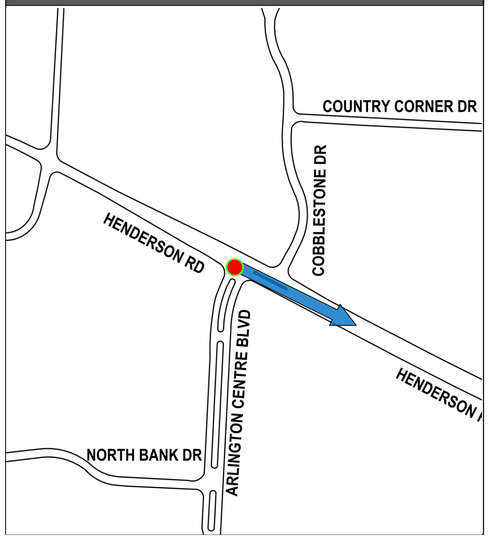


SWITCH	PORT	STATUS	DESTINATION	SHEET NO
1	5	EXISTING	INT# 4115: DIERKER RD. AT HENDERSON RD.	511
2	**9**	**PROPOSED**	**INT# 4115: DIERKER RD. AT HENDERSON RD.**	**511**

LEGEND

- FIBER PATCH CABLES T/R STANDARD
- FIBER PATCH CABLES R/T CROSSOVER
- EXISTING FIBER PATCH CABLES
- OUTDOOR CAT 5E CABLE
- INDOOR CAT 5E CABLE
- CAT 5E CABLE TO BE REMOVED
- TERMINATION PANEL UPC (Blue)/APC (Green)
- EXISTING/PROPOSED FIBER OR BUFFER TUBE LEFT COILED IN SPLICE ENCLOSURE
- FUSION SPLICE – 6 FIBERS/ SINGLE FIBER
- FUSION SPLICE – 12 FIBER BUFFER TUBE
- EXISTING FUSION SPLICE – 12 FIBER BUFFER TUBE
- INTERSECTION LOCATION
- GBIC OPTICAL TRANSCEIVER LH - SHORT HAUL LED ZX – LONG HAUL LASER
- SFP/COPPER/CAT5/5E/6 CONNECTOR
- COPPER/CAT5/5E/6 CONNECTOR
- 144 STRAND SMF
- 288 STRAND SMF
- WIRELESS ETHERNET RADIO

KEY PLAN



INTERSECTION 4216

REFER TO SHEET 72 FOR CONSTRUCTION PLAN DETAILS
REFER TO SHEET 454 FOR COMM OVERVIEW DETAILS

CIP: 530163 - 100014

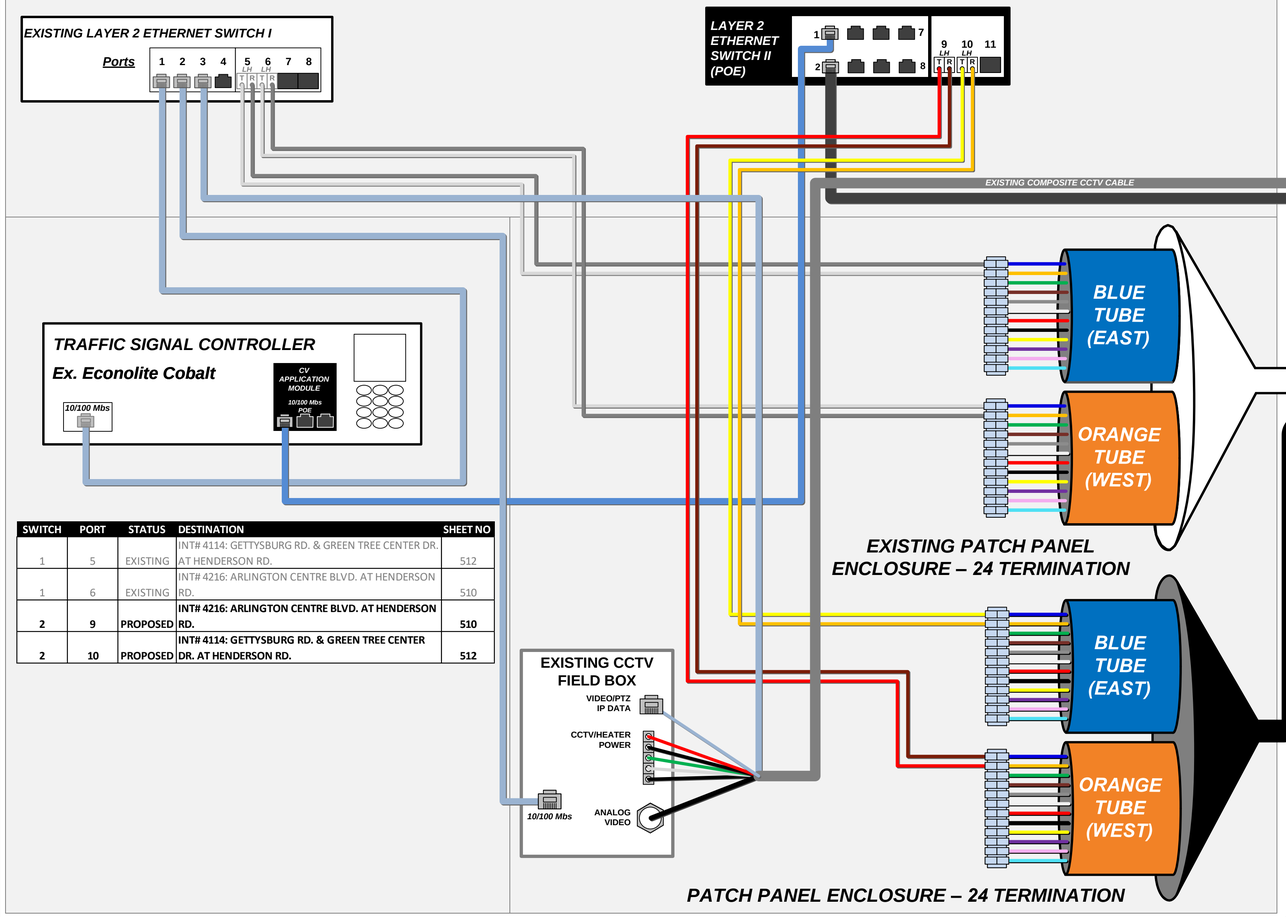
INT# 4216: ARLINGTON CENTRE BLVD. AT HENDERSON RD.
COMMUNICATIONS DIAGRAM

CITY OF COLUMBUS TRAFFIC SIGNAL SYSTEM
(CTSS) PHASE F – FINAL SUBMITTAL

510
768

\\colw00\pmwork\Jobs\70202 - CTSS Phase F\TECHPROD\Communications\Intersection Splicing Details\510-525.vsd - 4216 layout ~ last saved by: skoganti 6/1/2022 9:58:56 AM ~ printed: 6/1/2022 9:58:56 AM

TRAFFIC SIGNAL CABINET ASSEMBLY



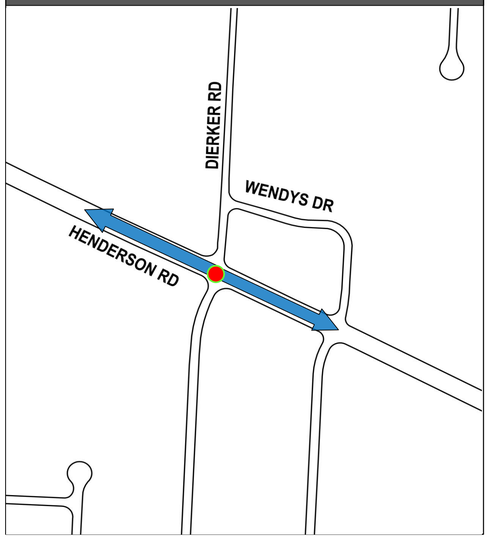
SWITCH	PORT	STATUS	DESTINATION	SHEET NO
1	5	EXISTING	INT# 4114: GETTYSBURG RD. & GREEN TREE CENTER DR. AT HENDERSON RD.	512
1	6	EXISTING	INT# 4216: ARLINGTON CENTRE BLVD. AT HENDERSON RD.	510
2	**9**	**PROPOSED**	**INT# 4216: ARLINGTON CENTRE BLVD. AT HENDERSON RD.**	**510**
2	**10**	**PROPOSED**	**INT# 4114: GETTYSBURG RD. & GREEN TREE CENTER DR. AT HENDERSON RD.**	**512**

PATCH PANEL ENCLOSURE – 24 TERMINATION

LEGEND

- FIBER PATCH CABLES T/R STANDARD
- FIBER PATCH CABLES R/T CROSSOVER
- EXISTING FIBER PATCH CABLES
- OUTDOOR CAT 5E CABLE
- INDOOR CAT 5E CABLE
- CAT 5E CABLE TO BE REMOVED
- TERMINATION PANEL UPC (Blue)/APC (Green)
- EXISTING/PROPOSED FIBER OR BUFFER TUBE LEFT COILED IN SPLICE ENCLOSURE
- FUSION SPLICE – 6 FIBERS/ SINGLE FIBER
- FUSION SPLICE – 12 FIBER BUFFER TUBE
- EXISTING FUSION SPLICE – 12 FIBER BUFFER TUBE
- INTERSECTION LOCATION
- GBIC OPTICAL TRANSCEIVER LH - SHORT HAUL LED ZX – LONG HAUL LASER
- SFP/COPPER/CAT5/5E/6 CONNECTOR
- COPPER/CAT5/5E/6 CONNECTOR
- 144 STRAND SMF
- 288 STRAND SMF
- WIRELESS ETHERNET RADIO

KEY PLAN



INTERSECTION 4115

REFER TO SHEET 72 FOR CONSTRUCTION PLAN DETAILS
REFER TO SHEET 454 FOR COMM OVERVIEW DETAILS

CIP: 530163 - 100014

INT# 4115: DIERKER RD. AT HENDERSON RD.
COMMUNICATIONS DIAGRAM

CITY OF COLUMBUS TRAFFIC SIGNAL SYSTEM
(CTSS) PHASE F – FINAL SUBMITTAL

511
768

\\colw00\pmwork\Jobs\70202 - CTSS Phase F\TECHPROD\Communications\Intersection Splicing Details\510-525.vsd - 4115 layout ~ last saved by: skoganti 6/1/2022 9:58:56 AM ~ printed: 6/1/2022 9:58:56 AM

TRAFFIC SIGNAL CABINET ASSEMBLY

EXISTING LAYER 2 ETHERNET SWITCH I

Ports 1 2 3 4 5 6 7 8 (5 LH T R, 6 LH T R)

LAYER 2 ETHERNET SWITCH II (POE)

1 2 7 8 9 LH T R 10 LH T R 11

RSU

Power WPS WPS LAN1 LAN2 LAN3 LAN4 Reset USB1 USB2 WLAN WPS Power

TRAFFIC SIGNAL CONTROLLER

Ex. Econolite Cobalt

CV APPLICATION MODULE 10/100 Mbs POE

10/100 Mbs

SWITCH	PORT	STATUS	DESTINATION	SHEET NO
1	5	EXISTING	INT# 4113: HENDERSON RD. AT REED RD.	513
1	6	EXISTING	INT# 4115: DIERKER RD. AT HENDERSON RD.	511
2	**9**	**PROPOSED**	**INT# 4115: DIERKER RD. AT HENDERSON RD.**	**511**
2	**10**	**PROPOSED**	**INT# 4113: HENDERSON RD. AT REED RD.**	**513**

BLUE TUBE (EAST)

ORANGE TUBE (WEST)

EXISTING PATCH PANEL ENCLOSURE – 24 TERMINATION

BLUE TUBE (EAST)

ORANGE TUBE (WEST)

PATCH PANEL ENCLOSURE – 24 TERMINATION

EXISTING 24 STRAND DROP

24 STRAND DROP

BLUE TUBE ORANGE TUBE

BLUE TUBE ORANGE TUBE

BLUE TUBE
ORANGE TUBE
GREEN TUBE
BROWN TUBE
SLATE TUBE
WHITE TUBE
RED TUBE
BLACK TUBE
YELLOW TUBE
VIOLET TUBE
ROSE TUBE
AQUA TUBE

BLUE TUBE
ORANGE TUBE
GREEN TUBE
BROWN TUBE
SLATE TUBE
WHITE TUBE
RED TUBE
BLACK TUBE
YELLOW TUBE
VIOLET TUBE
ROSE TUBE
AQUA TUBE

EXISTING 144 STRAND FOC

TO:
INT# 4115: DIERKER RD. AT HENDERSON RD.
SEE SHEET 511

EXISTING 144 STRAND FOC

TO:
INT# 4113: HENDERSON RD. AT REED RD.
SEE SHEET 513

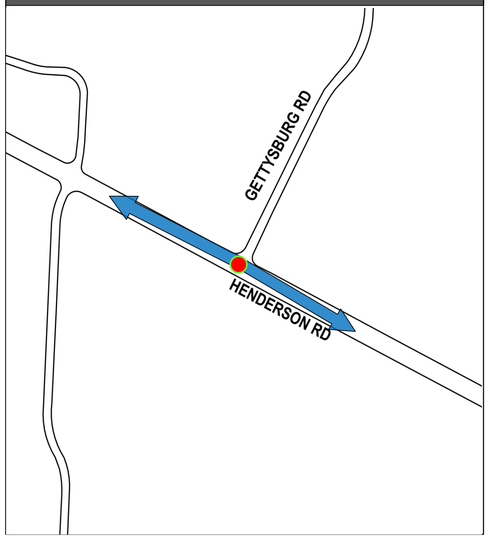
4 Cable Entries
24 Proposed Fusion Splices
48 Total Fusion Splices
10 Buffer Tubes Passed Through Unspliced

EXISTING AERIAL SPLICE ENCLOSURE

LEGEND

- FIBER PATCH CABLES T/R STANDARD
- FIBER PATCH CABLES R/T CROSSOVER
- EXISTING FIBER PATCH CABLES
- OUTDOOR CAT 5E CABLE
- INDOOR CAT 5E CABLE
- CAT 5E CABLE TO BE REMOVED
- TERMINATION PANEL UPC (Blue)/APC (Green)
- EXISTING/PROPOSED FIBER OR BUFFER TUBE LEFT COILED IN SPLICE ENCLOSURE
- FUSION SPLICE – 6 FIBERS/ SINGLE FIBER
- FUSION SPLICE – 12 FIBER BUFFER TUBE
- EXISTING FUSION SPLICE – 12 FIBER BUFFER TUBE
- INTERSECTION LOCATION
- GBIC OPTICAL TRANSCEIVER LH - SHORT HAUL LED ZX – LONG HAUL LASER
- SFP/COPPER/CAT5/5E/6 CONNECTOR
- COPPER/CAT5/5E/6 CONNECTOR
- 144 STRAND SMF
- 288 STRAND SMF
- WIRELESS ETHERNET RADIO

KEY PLAN



INTERSECTION 4114

REFER TO SHEET 73 FOR CONSTRUCTION PLAN DETAILS
REFER TO SHEET 454 FOR COMM OVERVIEW DETAILS

CIP: 530163 - 100014

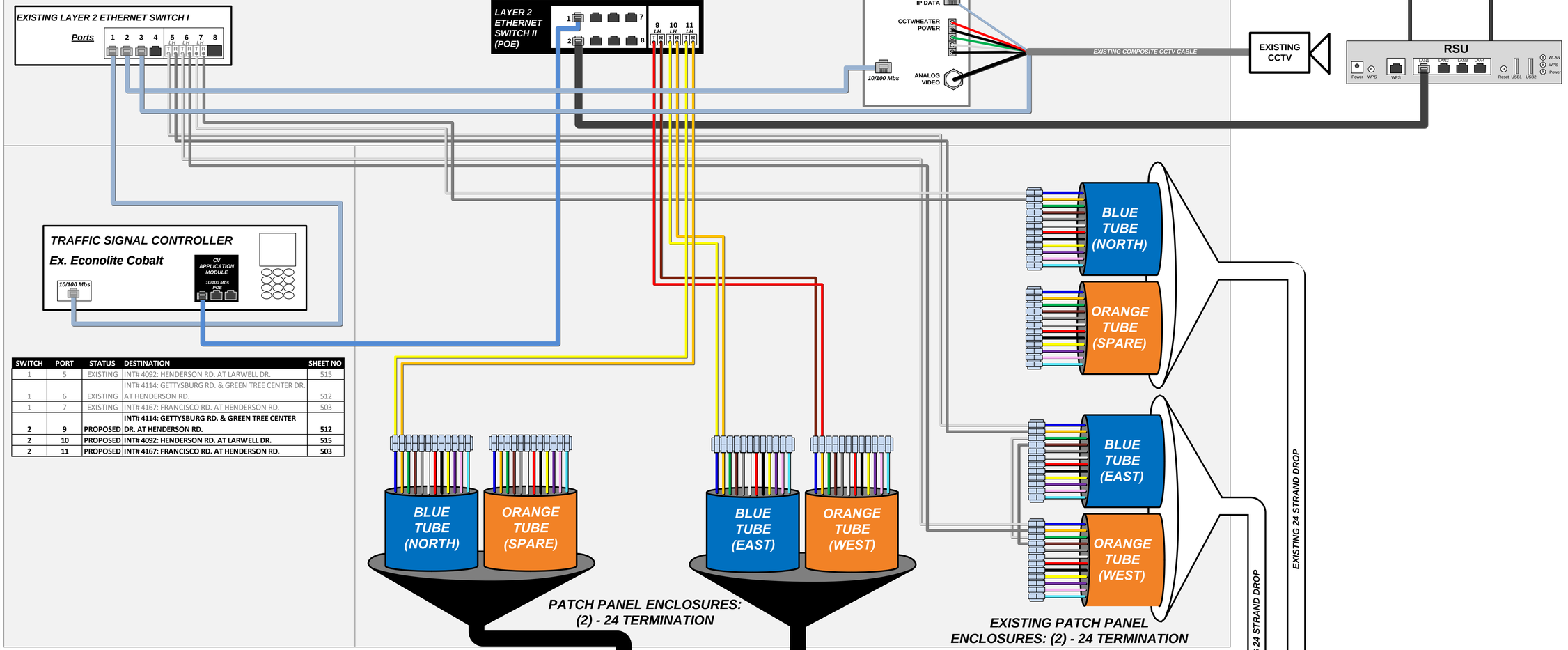
INT# 4114: GETTYSBURG RD. & GREEN TREE CENTER DR. AT HENDERSON RD.
COMMUNICATIONS DIAGRAM

CITY OF COLUMBUS TRAFFIC SIGNAL SYSTEM
(CTSS) PHASE F – FINAL SUBMITTAL

512
768

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TRAFFIC SIGNAL CABINET ASSEMBLY

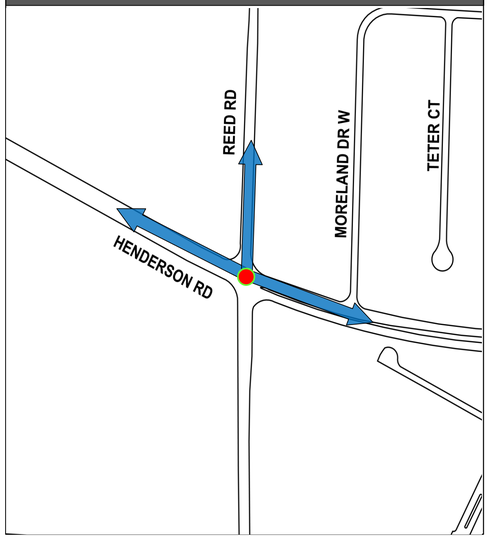


SWITCH	PORT	STATUS	DESTINATION	SHEET NO
1	5	EXISTING	INT# 4092: HENDERSON RD. AT LARWELL DR.	515
1	6	EXISTING	INT# 4114: GETTYSBURG RD. & GREEN TREE CENTER DR. AT HENDERSON RD.	512
1	7	EXISTING	INT# 4167: FRANCISCO RD. AT HENDERSON RD.	503
2	**9**	**PROPOSED**	**INT# 4114: GETTYSBURG RD. & GREEN TREE CENTER DR. AT HENDERSON RD.**	**512**
2	**10**	**PROPOSED**	**INT# 4092: HENDERSON RD. AT LARWELL DR.**	**515**
2	**11**	**PROPOSED**	**INT# 4167: FRANCISCO RD. AT HENDERSON RD.**	**503**

LEGEND

- FIBER PATCH CABLES T/R STANDARD
- FIBER PATCH CABLES R/T CROSSOVER
- EXISTING FIBER PATCH CABLES
- OUTDOOR CAT 5E CABLE
- INDOOR CAT 5E CABLE
- CAT 5E CABLE TO BE REMOVED
- TERMINATION PANEL UPC (Blue)/APC (Green)
- EXISTING/PROPOSED FIBER OR BUFFER TUBE LEFT COILED IN SPLICE ENCLOSURE
- FUSION SPLICE – 6 FIBERS/ SINGLE FIBER
- FUSION SPLICE – 12 FIBER BUFFER TUBE
- EXISTING FUSION SPLICE – 12 FIBER BUFFER TUBE
- INTERSECTION LOCATION
- GBIC OPTICAL TRANSCEIVER LH - SHORT HAUL LED ZX – LONG HAUL LASER
- SFP/COPPER/CAT5/5E/6 CONNECTOR
- COPPER/CAT5/5E/6 CONNECTOR
- 144 STRAND SMF
- 288 STRAND SMF
- WIRELESS ETHERNET RADIO

KEY PLAN



INTERSECTION 4113

REFER TO SHEET 74 FOR CONSTRUCTION PLAN DETAILS
REFER TO SHEET 454 FOR COMM OVERVIEW DETAILS

CIP: 530163 - 100014

INT# 4113: HENDERSON RD. AT REED RD.
COMMUNICATIONS DIAGRAM

CITY OF COLUMBUS TRAFFIC SIGNAL SYSTEM
(CTSS) PHASE F – FINAL SUBMITTAL

513
768

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MATCHLINE 'A' - SEE SHEET 513
TO CONTROL CABINET

Install proposed 2-24 strand drop cables in the same cable entry port.

24 STRAND DROP
BLUE TUBE
ORANGE TUBE

24 STRAND DROP
BLUE TUBE
ORANGE TUBE

24 STRAND DROP
BLUE TUBE
ORANGE TUBE

24 STRAND DROP
BLUE TUBE
ORANGE TUBE

EXISTING 144 STRAND FOC
BLUE TUBE
ORANGE TUBE
GREEN TUBE
BROWN TUBE
SLATE TUBE
WHITE TUBE
RED TUBE
BLACK TUBE
YELLOW TUBE
VIOLET TUBE
ROSE TUBE
AQUA TUBE

TO:
INT# 4167: FRANCISCO RD. AT HENDERSON RD.
SEE SHEET 503

BLUE TUBE
ORANGE TUBE
GREEN TUBE
BROWN TUBE
SLATE TUBE
WHITE TUBE
RED TUBE
BLACK TUBE
YELLOW TUBE
VIOLET TUBE
ROSE TUBE
AQUA TUBE

BLUE TUBE
ORANGE TUBE
GREEN TUBE
BROWN TUBE
SLATE TUBE
WHITE TUBE
RED TUBE
BLACK TUBE
YELOW TUBE
VIOLET TUBE
ROSE TUBE
AQUA TUBE

EXISTING 144 STRAND FOC

TO:
INT# 4114: GETTYSBURG RD. & GREEN TREE CENTER DR. AT HENDERSON RD.
SEE SHEET 512

EXISTING 144 STRAND FOC

TO:
INT# 4092: HENDERSON RD. AT LARWELL DR.
SEE SHEET 515

7 Cable Entries
36 Proposed Fusion Splices
180 Total Fusion Splices
6 Coiled Buffer Tubes
3 Buffer Tubes Passed Through Unspliced

EXISTING AERIAL SPLICE ENCLOSURE

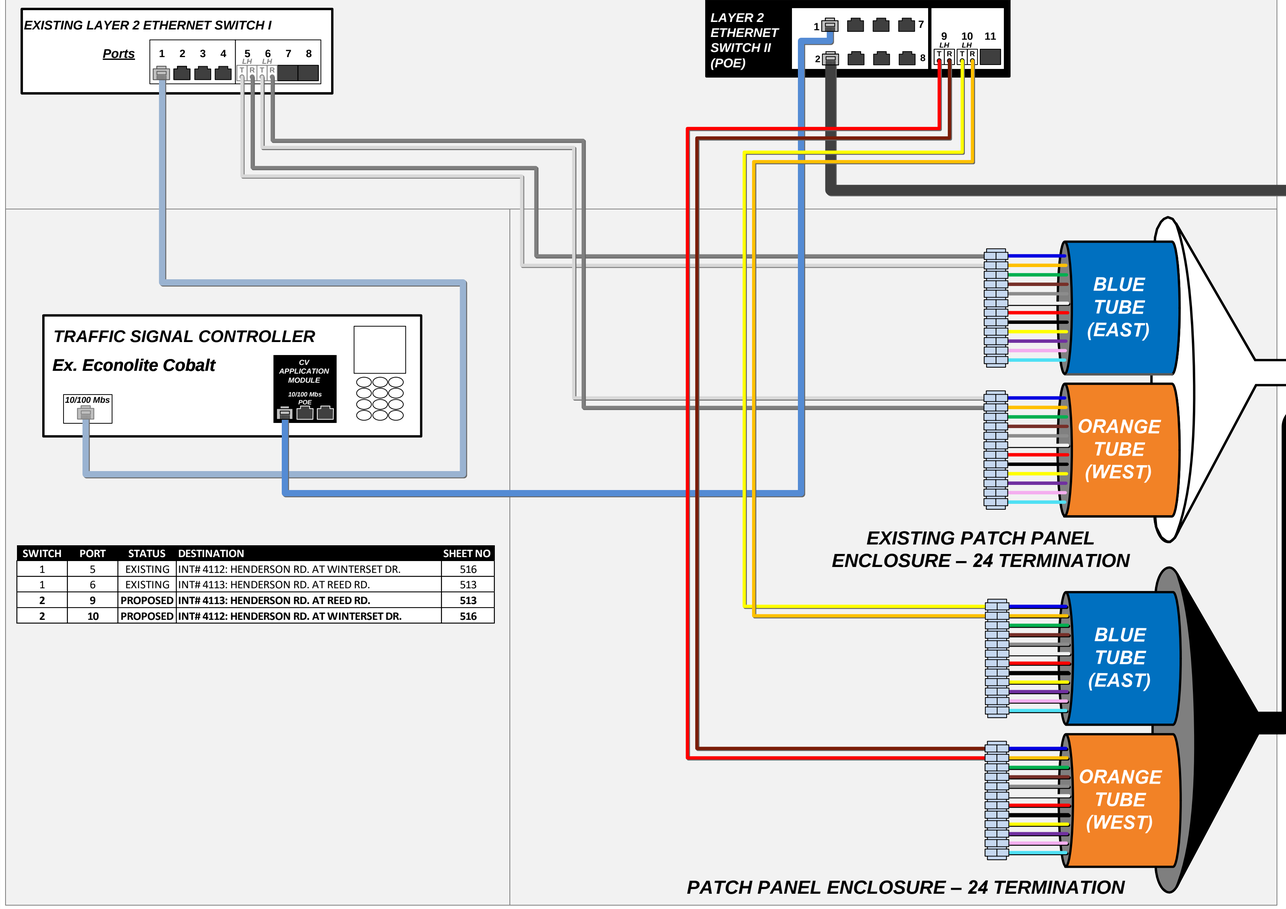
CIP: 530163 - 100014

INT# 4113: HENDERSON RD. AT REED RD.
COMMUNICATIONS DIAGRAM

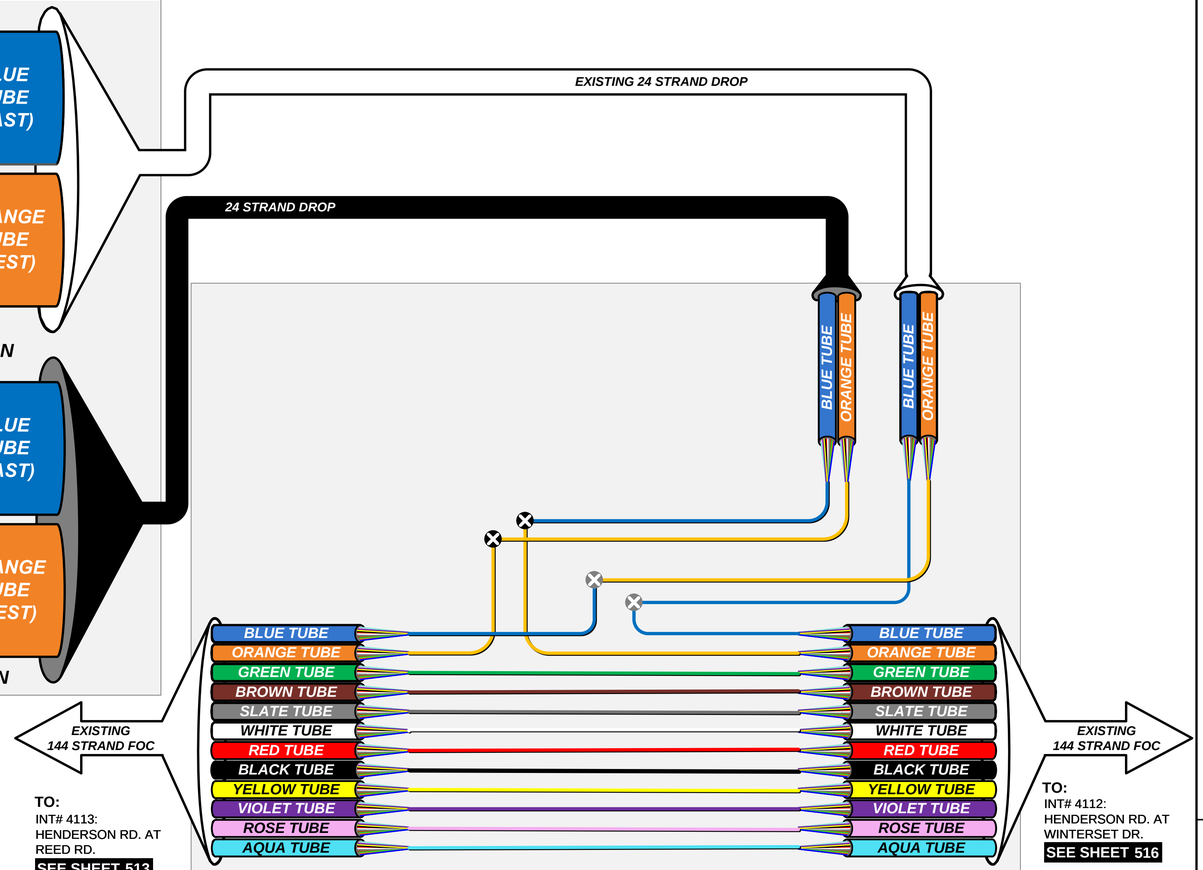
CITY OF COLUMBUS TRAFFIC SIGNAL SYSTEM
(CTSS) PHASE F – FINAL SUBMITTAL

INTERSECTION 4113
REFER TO SHEET 74 FOR CONSTRUCTION PLAN DETAILS
REFER TO SHEET 454 FOR COMM OVERVIEW DETAILS

TRAFFIC SIGNAL CABINET ASSEMBLY



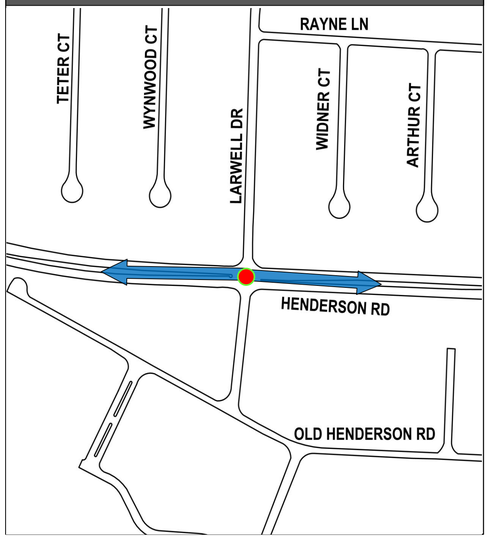
SWITCH	PORT	STATUS	DESTINATION	SHEET NO
1	5	EXISTING	INT# 4112: HENDERSON RD. AT WINTERSET DR.	516
1	6	EXISTING	INT# 4113: HENDERSON RD. AT REED RD.	513
2	**9**	**PROPOSED**	**INT# 4113: HENDERSON RD. AT REED RD.**	**513**
2	**10**	**PROPOSED**	**INT# 4112: HENDERSON RD. AT WINTERSET DR.**	**516**



LEGEND

- FIBER PATCH CABLES T/R STANDARD
- FIBER PATCH CABLES R/T CROSSOVER
- EXISTING FIBER PATCH CABLES
- OUTDOOR CAT 5E CABLE
- INDOOR CAT 5E CABLE
- CAT 5E CABLE TO BE REMOVED
- TERMINATION PANEL UPC (Blue)/APC (Green)
- EXISTING/PROPOSED FIBER OR BUFFER TUBE LEFT COILED IN SPLICE ENCLOSURE
- FUSION SPLICE – 6 FIBERS/ SINGLE FIBER
- FUSION SPLICE – 12 FIBER BUFFER TUBE
- EXISTING FUSION SPLICE – 12 FIBER BUFFER TUBE
- INTERSECTION LOCATION
- GBIC OPTICAL TRANSCEIVER LH - SHORT HAUL LED ZX – LONG HAUL LASER
- SFP/COPPER/CAT5/5E/6 CONNECTOR
- COPPER/CAT5/5E/6 CONNECTOR
- 144 STRAND SMF
- 288 STRAND SMF
- WIRELESS ETHERNET RADIO

KEY PLAN



INTERSECTION 4092

REFER TO SHEET 76 FOR CONSTRUCTION PLAN DETAILS
REFER TO SHEET 454 FOR COMM OVERVIEW DETAILS

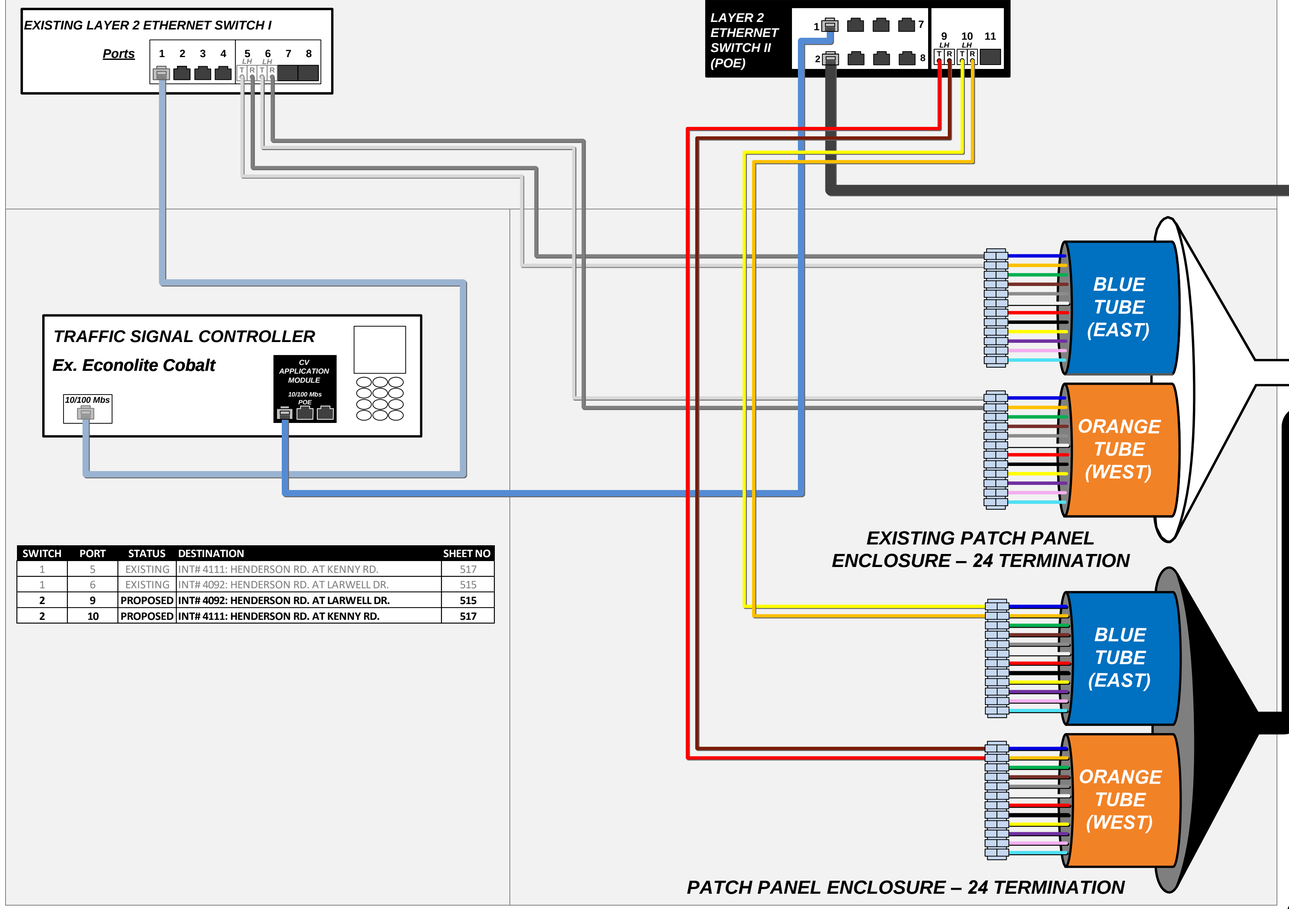
CIP: 530163 - 100014

INT# 4092: HENDERSON RD. AT LARWELL DR.
COMMUNICATIONS DIAGRAM

CITY OF COLUMBUS TRAFFIC SIGNAL SYSTEM
(CTSS) PHASE F – FINAL SUBMITTAL

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TRAFFIC SIGNAL CABINET ASSEMBLY



SWITCH	PORT	STATUS	DESTINATION	SHEET NO
1	5	EXISTING	INT# 4111: HENDERSON RD. AT KENNY RD.	517
1	6	EXISTING	INT# 4092: HENDERSON RD. AT LARWELL DR.	515
2	**9**	**PROPOSED**	**INT# 4092: HENDERSON RD. AT LARWELL DR.**	**515**
2	**10**	**PROPOSED**	**INT# 4111: HENDERSON RD. AT KENNY RD.**	**517**

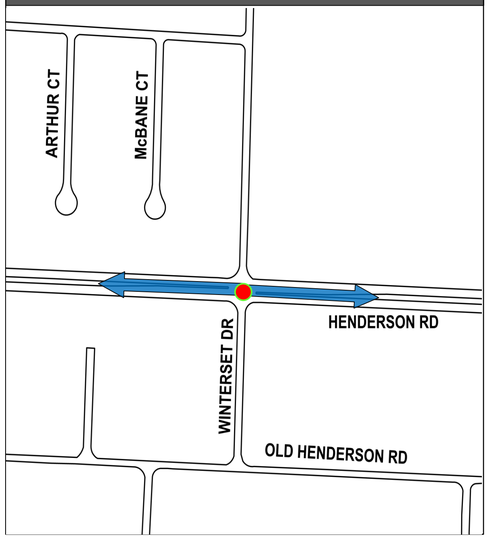
TO:
INT# 4092:
HENDERSON RD. AT
LARWELL DR.
SEE SHEET 515

TO:
INT# 4111:
HENDERSON RD. AT
KENNY RD.
SEE SHEET 517

LEGEND

- FIBER PATCH CABLES T/R STANDARD
- FIBER PATCH CABLES R/T CROSSOVER
- EXISTING FIBER PATCH CABLES
- OUTDOOR CAT 5E CABLE
- INDOOR CAT 5E CABLE
- CAT 5E CABLE TO BE REMOVED
- TERMINATION PANEL UPC (Blue)/APC (Green)
- EXISTING/PROPOSED FIBER OR BUFFER TUBE LEFT COILED IN SPLICE ENCLOSURE
- FUSION SPLICE – 6 FIBERS/ SINGLE FIBER
- FUSION SPLICE – 12 FIBER BUFFER TUBE
- EXISTING FUSION SPLICE – 12 FIBER BUFFER TUBE
- INTERSECTION LOCATION
- GBIC OPTICAL TRANSCEIVER LH - SHORT HAUL LED ZX – LONG HAUL LASER
- SFP/COPPER/CAT5/5E/6 CONNECTOR
- COPPER/CAT5/5E/6 CONNECTOR
- 144 STRAND SMF
- 288 STRAND SMF
- WIRELESS ETHERNET RADIO

KEY PLAN



INTERSECTION 4112

REFER TO SHEET 76 FOR CONSTRUCTION PLAN DETAILS
REFER TO SHEET 455 FOR COMM OVERVIEW DETAILS

CIP: 530163 - 100014

INT# 4112: HENDERSON RD. AT WINTERSET DR.
COMMUNICATIONS DIAGRAM

CITY OF COLUMBUS TRAFFIC SIGNAL SYSTEM
(CTSS) PHASE F – FINAL SUBMITTAL

516
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TRAFFIC SIGNAL CABINET ASSEMBLY

EXISTING LAYER 2 ETHERNET SWITCH I

Ports 1 2 3 4 5 6 7 8

LAYER 2 ETHERNET SWITCH II (POE)

1 2 7 8 9 10 11

EXISTING CCTV FIELD BOX

VIDEO/PTZ IP DATA

CCTV/HEATER POWER

10/100 Mbs

ANALOG VIDEO

RSU

Power WPS WPS LAN1 LAN2 LAN3 LAN4 Reset USB1 USB2 WLAN WPS Power

EXISTING COMPOSITE CCTV CABLE

EXISTING CCTV

TRAFFIC SIGNAL CONTROLLER

Ex. Econolite Cobalt

CV APPLICATION MODULE

10/100 Mbs POE

10/100 Mbs

EXISTING PATCH PANEL ENCLOSURE – 24 TERMINATION

BLUE TUBE (WEST)

ORANGE TUBE (SOUTH)

BLUE TUBE (EAST)

ORANGE TUBE (SPARE)

BLUE TUBE (EAST)

ORANGE TUBE (WEST)

PATCH PANEL ENCLOSURE – 24 TERMINATION

24 STRAND DROP

EXISTING 24 STRAND DROP

EXISTING 24 STRAND DROP

BLUE TUBE ORANGE TUBE BLUE TUBE ORANGE TUBE

SWITCH	PORT	STATUS	DESTINATION	SHEET NO
1	5	EXISTING	INT# 4112: HENDERSON RD. AT WINTERSET DR.	516
1	6	EXISTING	EXISTING CONNECTION TO INT# 4116: KENNY RD. AT OLD HENDERSON RD.	
1	7	EXISTING	INT# 4031: HENDERSON RD. AT KNIGHTSBRIDGE BLVD & DESANTIS DR.	518
2	**9**	**PROPOSED**	**INT# 4112: HENDERSON RD. AT WINTERSET DR.**	**516**
2	**10**	**PROPOSED**	**INT# 4031: HENDERSON RD. AT KNIGHTSBRIDGE BLVD & DESANTIS DR.**	**518**

BLUE TUBE ORANGE TUBE GREEN TUBE BROWN TUBE SLATE TUBE WHITE TUBE RED TUBE BLACK TUBE YELLOW TUBE VIOLET TUBE ROSE TUBE AQUA TUBE

EXISTING 144 STRAND FOC

TO:
INT# 4112: HENDERSON RD. AT WINTERSET DR.
SEE SHEET 516

BLUE TUBE ORANGE TUBE GREEN TUBE BROWN TUBE SLATE TUBE WHITE TUBE RED TUBE BLACK TUBE YELLOW TUBE VIOLET TUBE ROSE TUBE AQUA TUBE

EXISTING 144 STRAND FOC

TO:
INT# 4031: HENDERSON RD. AT KNIGHTSBRIDGE BLVD & DESANTIS DR.
SEE SHEET 518

BLUE TUBE ORANGE TUBE

6 Cable Entries
24 Proposed Fusion Splices
168 Total Fusion Splices
4 Coiled Buffer Tubes
5 Buffer Tubes Passed Through Unspliced

BLUE TUBE ORANGE TUBE GREEN TUBE BROWN TUBE SLATE TUBE WHITE TUBE RED TUBE BLACK TUBE YELLOW TUBE VIOLET TUBE ROSE TUBE AQUA TUBE

EXISTING AERIAL SPLICE ENCLOSURE

EXISTING 144 STRAND FOC

TO:
INT# 4116: KENNY RD AT OLD HENDERSON RD

LEGEND

- FIBER PATCH CABLES T/R STANDARD
- FIBER PATCH CABLES R/T CROSSOVER
- EXISTING FIBER PATCH CABLES
- OUTDOOR CAT 5E CABLE
- INDOOR CAT 5E CABLE
- CAT 5E CABLE TO BE REMOVED
- TERMINATION PANEL UPC (Blue)/APC (Green)
- EXISTING/PROPOSED FIBER OR BUFFER TUBE LEFT COILED IN SPLICE ENCLOSURE
- FUSION SPLICE – 6 FIBERS/ SINGLE FIBER
- FUSION SPLICE – 12 FIBER BUFFER TUBE
- EXISTING FUSION SPLICE – 12 FIBER BUFFER TUBE
- INTERSECTION LOCATION
- GBIC OPTICAL TRANSCEIVER LH - SHORT HAUL LED ZX – LONG HAUL LASER
- SFP/COPPER/CAT5/5E/6 CONNECTOR
- COPPER/CAT5/5E/6 CONNECTOR
- 144 STRAND SMF
- 288 STRAND SMF
- WIRELESS ETHERNET RADIO

KEY PLAN



INTERSECTION 4111

REFER TO SHEET 77 FOR CONSTRUCTION PLAN DETAILS
REFER TO SHEET 455 FOR COMM OVERVIEW DETAILS

CIP: 530163 - 100014

INT# 4111: HENDERSON RD. AT KENNY RD.
COMMUNICATIONS DIAGRAM

CITY OF COLUMBUS TRAFFIC SIGNAL SYSTEM
(CTSS) PHASE F – FINAL SUBMITTAL

517
768

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TRAFFIC SIGNAL CABINET ASSEMBLY

EXISTING LAYER 2 ETHERNET SWITCH I

Ports 1 2 3 4 5 6 7 8 (5, 6: LH T/R)

LAYER 2 ETHERNET SWITCH II (POE)

1 2 7 8 9 10 11 (9, 10: LH T/R)

RSU

Power WPS WPS LAN1 LAN2 LAN3 LAN4 Reset USB1 USB2 WLAN WPS Power

EXISTING CCTV

EXISTING COMPOSITE CCTV CABLE

TRAFFIC SIGNAL CONTROLLER

Ex. Econolite Cobalt

10/100 Mbs

CV APPLICATION MODULE

10/100 Mbs POE

SWITCH	PORT	STATUS	DESTINATION	SHEET NO
1	5	EXISTING	INT# 4030: HENDERSON RD. AT LAURALAND DR.	519
1	6	EXISTING	INT# 4111: HENDERSON RD. AT KENNY RD.	517
2	**9**	**PROPOSED**	**INT# 4111: HENDERSON RD. AT KENNY RD.**	**517**
2	**10**	**PROPOSED**	**INT# 4030: HENDERSON RD. AT LAURALAND DR.**	**519**

EXISTING CCTV FIELD BOX

VIDEO/IPTZ IP DATA

CCTV/HEATER POWER

10/100 Mbs

ANALOG VIDEO

BLUE TUBE (EAST)

ORANGE TUBE (WEST)

EXISTING PATCH PANEL ENCLOSURE – 24 TERMINATION

BLUE TUBE (EAST)

ORANGE TUBE (WEST)

PATCH PANEL ENCLOSURE – 24 TERMINATION

EXISTING 24 STRAND DROP

24 STRAND DROP

BLUE TUBE ORANGE TUBE BLUE TUBE ORANGE TUBE

BLUE TUBE	BLUE TUBE
ORANGE TUBE	ORANGE TUBE
GREEN TUBE	GREEN TUBE
BROWN TUBE	BROWN TUBE
SLATE TUBE	SLATE TUBE
WHITE TUBE	WHITE TUBE
RED TUBE	RED TUBE
BLACK TUBE	BLACK TUBE
YELLOW TUBE	YELLOW TUBE
VIOLET TUBE	VIOLET TUBE
ROSE TUBE	ROSE TUBE
AQUA TUBE	AQUA TUBE

EXISTING 144 STRAND FOC

TO:
INT# 4111:
HENDERSON RD. AT KENNY RD.
SEE SHEET 517

EXISTING 144 STRAND FOC

TO:
INT# 4030:
HENDERSON RD. AT LAURALAND DR.
SEE SHEET 519

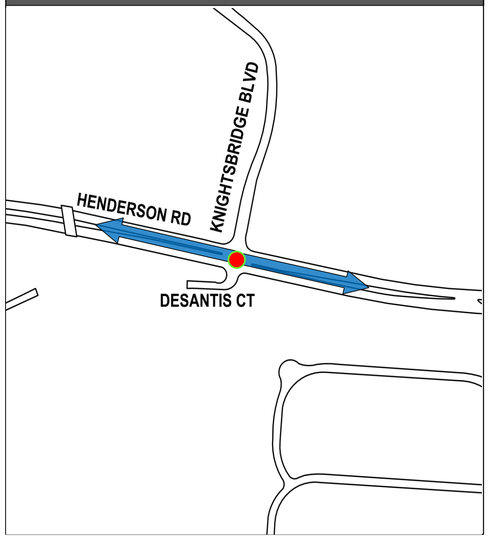
4 Cable Entries
24 Proposed Fusion Splices
48 Total Fusion Splices
10 Buffer Tubes Passed Through Unspliced

EXISTING UNDERGROUND SPLICE ENCLOSURE

LEGEND

- FIBER PATCH CABLES T/R STANDARD
- FIBER PATCH CABLES R/T CROSSOVER
- EXISTING FIBER PATCH CABLES
- OUTDOOR CAT 5E CABLE
- INDOOR CAT 5E CABLE
- CAT 5E CABLE TO BE REMOVED
- TERMINATION PANEL UPC (Blue)/APC (Green)
- EXISTING/PROPOSED FIBER OR BUFFER TUBE LEFT COILED IN SPLICE ENCLOSURE
- FUSION SPLICE – 6 FIBERS/ SINGLE FIBER
- FUSION SPLICE – 12 FIBER BUFFER TUBE
- EXISTING FUSION SPLICE – 12 FIBER BUFFER TUBE
- INTERSECTION LOCATION
- GBIC OPTICAL TRANSCEIVER LH - SHORT HAUL LED ZX – LONG HAUL LASER (LH T R, ZX T R)
- SFP/COPPER/CAT5/5E/6 CONNECTOR
- COPPER/CAT5/5E/6 CONNECTOR
- 144 STRAND SMF
- 288 STRAND SMF
- WIRELESS ETHERNET RADIO

KEY PLAN



INTERSECTION 4031

REFER TO SHEET 77 FOR CONSTRUCTION PLAN DETAILS
REFER TO SHEET 455 FOR COMM OVERVIEW DETAILS

CIP: 530163 - 100014

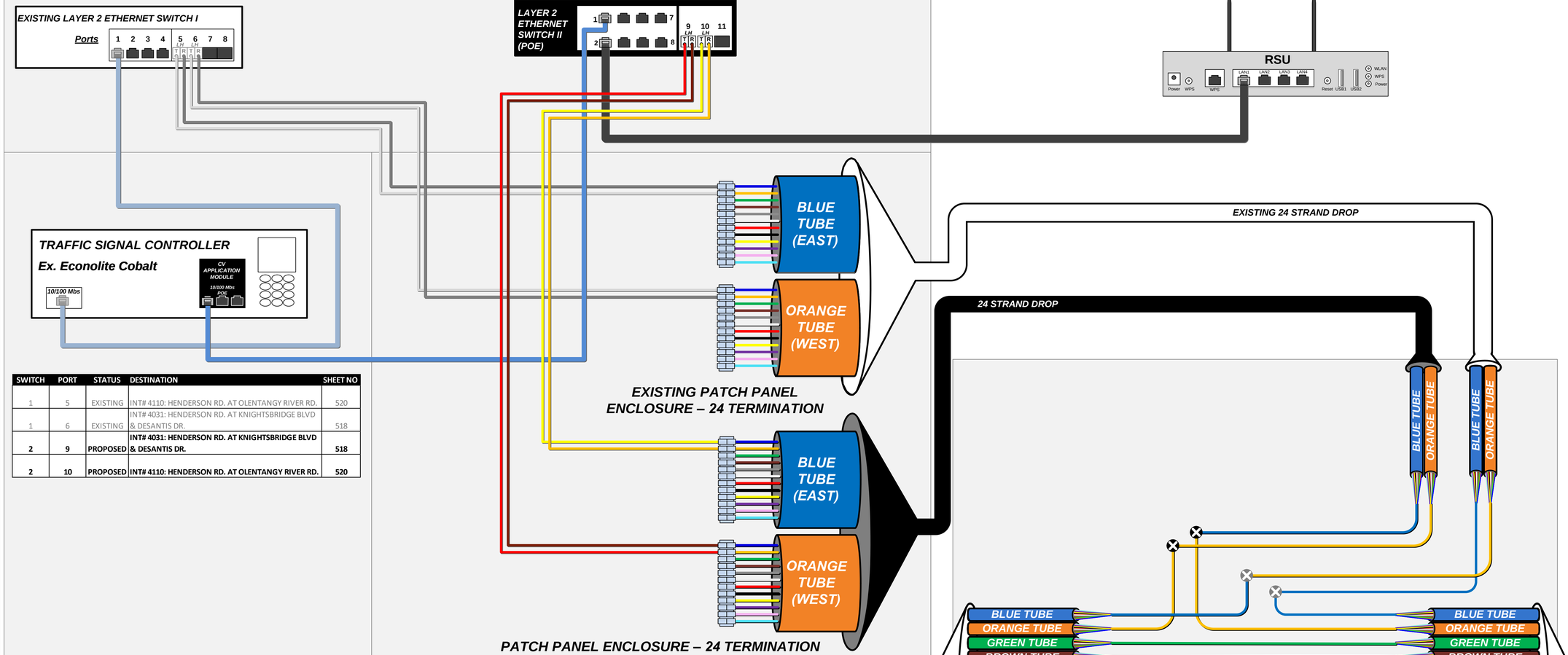
INT# 4031: HENDERSON RD. AT KNIGHTSBRIDGE BLVD & DESANTIS DR.
COMMUNICATIONS DIAGRAM

CITY OF COLUMBUS TRAFFIC SIGNAL SYSTEM
(CTSS) PHASE F – FINAL SUBMITTAL

518
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TRAFFIC SIGNAL CABINET ASSEMBLY

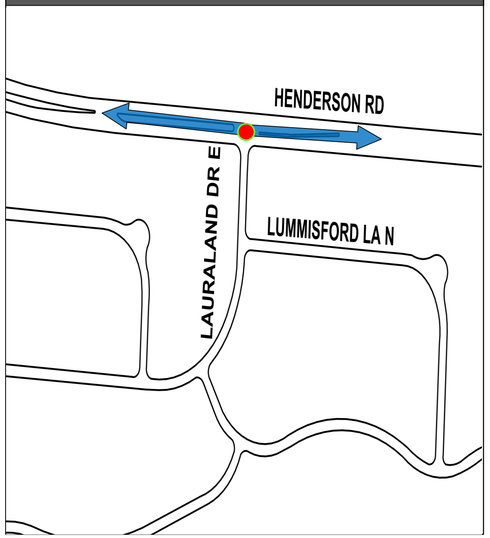


SWITCH	PORT	STATUS	DESTINATION	SHEET NO
1	5	EXISTING	INT# 4110: HENDERSON RD. AT OLENTANGY RIVER RD.	520
1	6	EXISTING	INT# 4031: HENDERSON RD. AT KNIGHTSBRIDGE BLVD & DESANTIS DR.	518
2	**9**	**PROPOSED**	**INT# 4031: HENDERSON RD. AT KNIGHTSBRIDGE BLVD & DESANTIS DR.**	**518**
2	**10**	**PROPOSED**	**INT# 4110: HENDERSON RD. AT OLENTANGY RIVER RD.**	**520**

LEGEND

- FIBER PATCH CABLES T/R STANDARD
- FIBER PATCH CABLES R/T CROSSOVER
- EXISTING FIBER PATCH CABLES
- OUTDOOR CAT 5E CABLE
- INDOOR CAT 5E CABLE
- CAT 5E CABLE TO BE REMOVED
- TERMINATION PANEL UPC (Blue)/APC (Green)
- EXISTING/PROPOSED FIBER OR BUFFER TUBE LEFT COILED IN SPLICE ENCLOSURE
- FUSION SPLICE – 6 FIBERS/ SINGLE FIBER
- FUSION SPLICE – 12 FIBER BUFFER TUBE
- EXISTING FUSION SPLICE – 12 FIBER BUFFER TUBE
- INTERSECTION LOCATION
- GBIC OPTICAL TRANSCEIVER LH - SHORT HAUL LED ZX – LONG HAUL LASER
- SFP/COPPER/CAT5/5E/6 CONNECTOR
- COPPER/CAT5/5E/6 CONNECTOR
- 144 STRAND SMF
- 288 STRAND SMF
- WIRELESS ETHERNET RADIO

KEY PLAN



INTERSECTION 4030

REFER TO SHEET 78 FOR CONSTRUCTION PLAN DETAILS
REFER TO SHEET 455 FOR COMM OVERVIEW DETAILS

CIP: 530163 - 100014

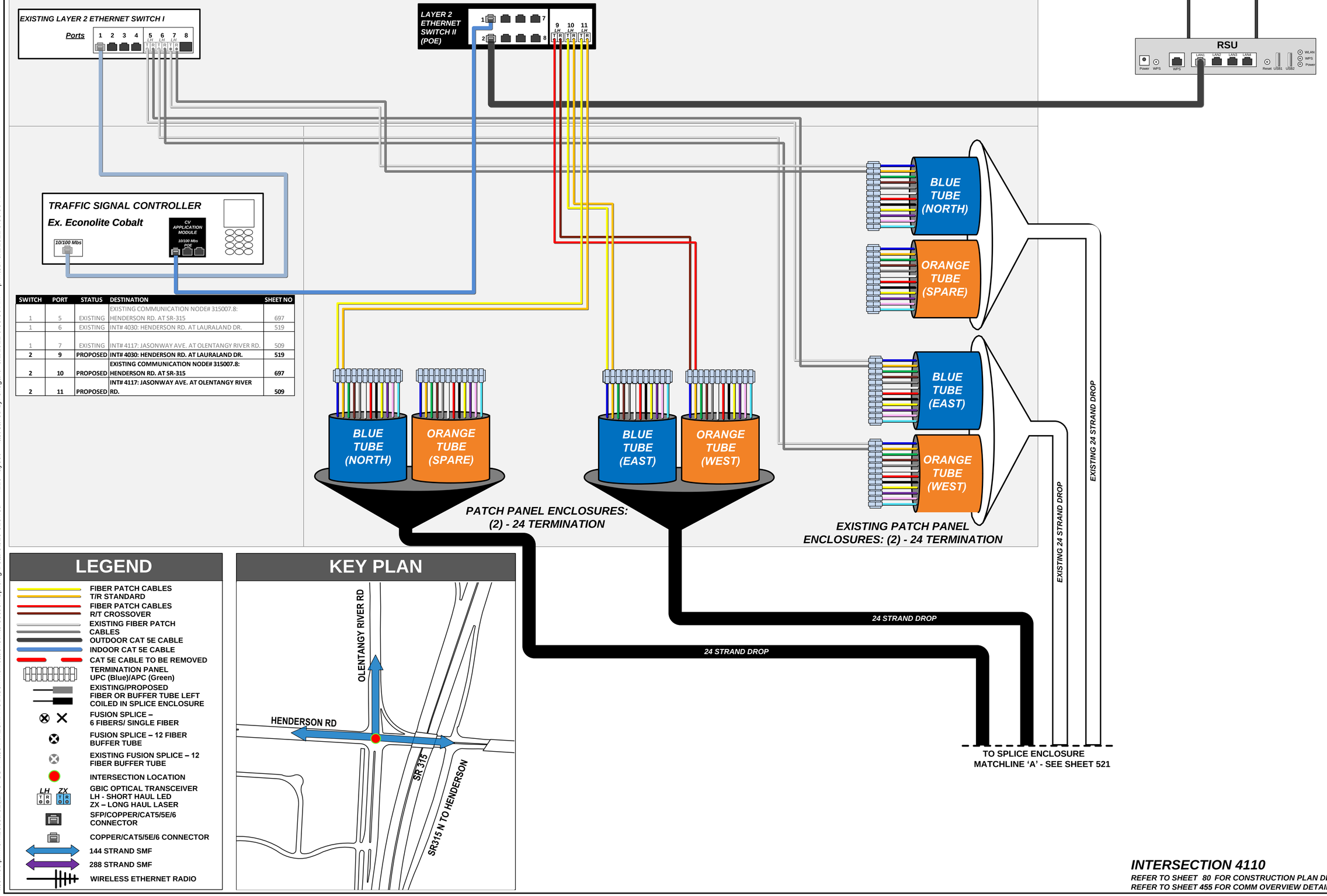
INT# 4030: HENDERSON RD. AT LAURALAND DR.
COMMUNICATIONS DIAGRAM

CITY OF COLUMBUS TRAFFIC SIGNAL SYSTEM
(CTSS) PHASE F – FINAL SUBMITTAL

519
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TRAFFIC SIGNAL CABINET ASSEMBLY



SWITCH	PORT	STATUS	DESTINATION	SHEET NO
1	5	EXISTING	EXISTING COMMUNICATION NODE# 315007.8: HENDERSON RD. AT SR-315	697
1	6	EXISTING	INT# 4030: HENDERSON RD. AT LAURALAND DR.	519
1	7	EXISTING	INT# 4117: JASONWAY AVE. AT OLENTANGY RIVER RD.	509
2	**9**	**PROPOSED**	**INT# 4030: HENDERSON RD. AT LAURALAND DR.**	**519**
2	**10**	**PROPOSED**	**EXISTING COMMUNICATION NODE# 315007.8: HENDERSON RD. AT SR-315**	**697**
2	**11**	**PROPOSED**	**INT# 4117: JASONWAY AVE. AT OLENTANGY RIVER RD.**	**509**

LEGEND

- FIBER PATCH CABLES T/R STANDARD
- FIBER PATCH CABLES R/T CROSSOVER
- EXISTING FIBER PATCH CABLES
- OUTDOOR CAT 5E CABLE
- INDOOR CAT 5E CABLE
- CAT 5E CABLE TO BE REMOVED
- TERMINATION PANEL UPC (Blue)/APC (Green)
- EXISTING/PROPOSED FIBER OR BUFFER TUBE LEFT COILED IN SPLICE ENCLOSURE
- FUSION SPLICE – 6 FIBERS/ SINGLE FIBER
- FUSION SPLICE – 12 FIBER BUFFER TUBE
- EXISTING FUSION SPLICE – 12 FIBER BUFFER TUBE
- INTERSECTION LOCATION
- GBIC OPTICAL TRANSCEIVER LH - SHORT HAUL LED ZX – LONG HAUL LASER
- SFP/COPPER/CAT5/5E/6 CONNECTOR
- COPPER/CAT5/5E/6 CONNECTOR
- 144 STRAND SMF
- 288 STRAND SMF
- WIRELESS ETHERNET RADIO

KEY PLAN

INTERSECTION 4110

REFER TO SHEET 80 FOR CONSTRUCTION PLAN DETAILS
REFER TO SHEET 455 FOR COMM OVERVIEW DETAILS

CIP: 530163 - 100014

INT# 4110: HENDERSON RD. AT OLENTANGY RIVER RD. COMMUNICATIONS DIAGRAM

CITY OF COLUMBUS TRAFFIC SIGNAL SYSTEM (CTSS) PHASE F – FINAL SUBMITTAL

520 / 768

\\cdlw00\pmwork\Jobs\70202 - CTSS Phase F\TECHPROD\Communications\Intersection Splicing Details\510-525.vsd - 4110 layout ~ last saved by: skoganti 6/1/2022 9:58:56 AM ~ printed: 6/1/2022 9:58:56 AM

\\colw00\pmwork\Jobs\70202 - CTSS Phase F\TECHPROD\Communications\Intersection Splicing Details\510-525.vsd - 4110-SPLICING DETAIL layout ~ last saved by: skoganti 6/1/2022 9:58:56 AM ~ printed: 6/1/2022 9:58:56 AM

MATCHLINE 'A' - SEE SHEET 520

TO CONTROL CABINET

Install proposed 2-24 strand drop cables in the same cable entry port.

24 STRAND DROP

24 STRAND DROP

24 STRAND DROP

24 STRAND DROP

BLUE TUBE
ORANGE TUBE

BLUE TUBE
ORANGE TUBE

BLUE TUBE
ORANGE TUBE

BLUE TUBE
ORANGE TUBE

EXISTING 144 STRAND FOC

BLUE TUBE
ORANGE TUBE
GREEN TUBE
BROWN TUBE
SLATE TUBE
WHITE TUBE
RED TUBE
BLACK TUBE
YELLOW TUBE
VIOLET TUBE
ROSE TUBE
AQUA TUBE

TO:
INT# 4117: JASONWAY AVE. AT OLENTANGY RIVER RD.
SEE SHEET 509

BLUE TUBE
ORANGE TUBE
GREEN TUBE
BROWN TUBE
SLATE TUBE
WHITE TUBE
RED TUBE
BLACK TUBE
YELLOW TUBE
VIOLET TUBE
ROSE TUBE
AQUA TUBE

EXISTING 144 STRAND FOC

TO:
INT# 4030: HENDERSON RD. AT LAURALAND DR.
SEE SHEET 519

BLUE TUBE
ORANGE TUBE
GREEN TUBE
BROWN TUBE
SLATE TUBE
WHITE TUBE
RED TUBE
BLACK TUBE
YELOW TUBE
VIOLET TUBE
ROSE TUBE
AQUA TUBE

EXISTING 144 STRAND FOC

TO:
EXISTING COMMUNICATION NODE# 315007.8: HENDERSON RD. AT
SEE SHEET 697

7 Cable Entries
36 Proposed Fusion Splices
72 Total Fusion Splices
12 Coiled Buffer Tubes
9 Buffer Tubes Passed Through Unspliced

EXISTING UNDERGROUND SPLICE ENCLOSURE

INTERSECTION 4110

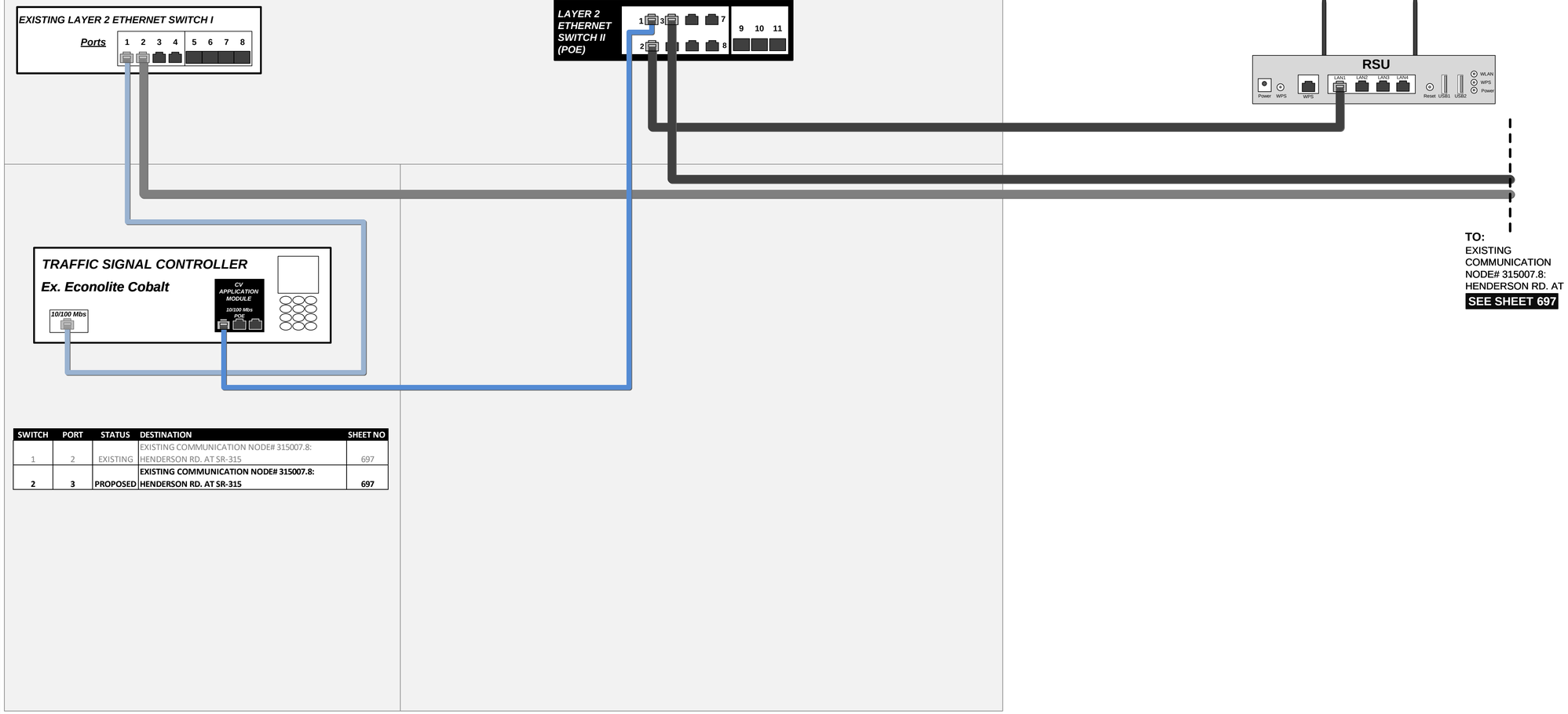
REFER TO SHEET 80 FOR CONSTRUCTION PLAN DETAILS
REFER TO SHEET 455 FOR COMM OVERVIEW DETAILS

CIP: 530163 - 100014

INT# 4110: HENDERSON RD. AT OLENTANGY RIVER RD.
COMMUNICATIONS DIAGRAM

CITY OF COLUMBUS TRAFFIC SIGNAL SYSTEM
(CTSS) PHASE F – FINAL SUBMITTAL

TRAFFIC SIGNAL CABINET ASSEMBLY

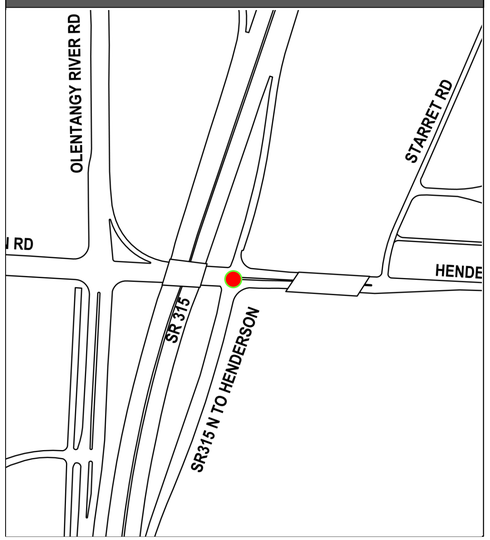


SWITCH	PORT	STATUS	DESTINATION	SHEET NO
1	2	EXISTING	EXISTING COMMUNICATION NODE# 315007.8: HENDERSON RD. AT SR-315	697
2	**3**	**PROPOSED**	**EXISTING COMMUNICATION NODE# 315007.8: HENDERSON RD. AT SR-315**	**697**

LEGEND

- FIBER PATCH CABLES T/R STANDARD
- FIBER PATCH CABLES R/T CROSSOVER
- EXISTING FIBER PATCH CABLES
- OUTDOOR CAT 5E CABLE
- INDOOR CAT 5E CABLE
- CAT 5E CABLE TO BE REMOVED
- TERMINATION PANEL UPC (Blue)/APC (Green)
- EXISTING/PROPOSED FIBER OR BUFFER TUBE LEFT COILED IN SPLICE ENCLOSURE
- FUSION SPLICE – 6 FIBERS/ SINGLE FIBER
- FUSION SPLICE – 12 FIBER BUFFER TUBE
- EXISTING FUSION SPLICE – 12 FIBER BUFFER TUBE
- INTERSECTION LOCATION
- GBIC OPTICAL TRANSCEIVER LH - SHORT HAUL LED ZX – LONG HAUL LASER
- SFP/COPPER/CAT5/5E/6 CONNECTOR
- COPPER/CAT5/5E/6 CONNECTOR
- 144 STRAND SMF
- 288 STRAND SMF
- WIRELESS ETHERNET RADIO

KEY PLAN



INTERSECTION 4109

REFER TO SHEET 81 FOR CONSTRUCTION PLAN DETAILS
REFER TO SHEET 455 FOR COMM OVERVIEW DETAILS

CIP: 530163 - 100014

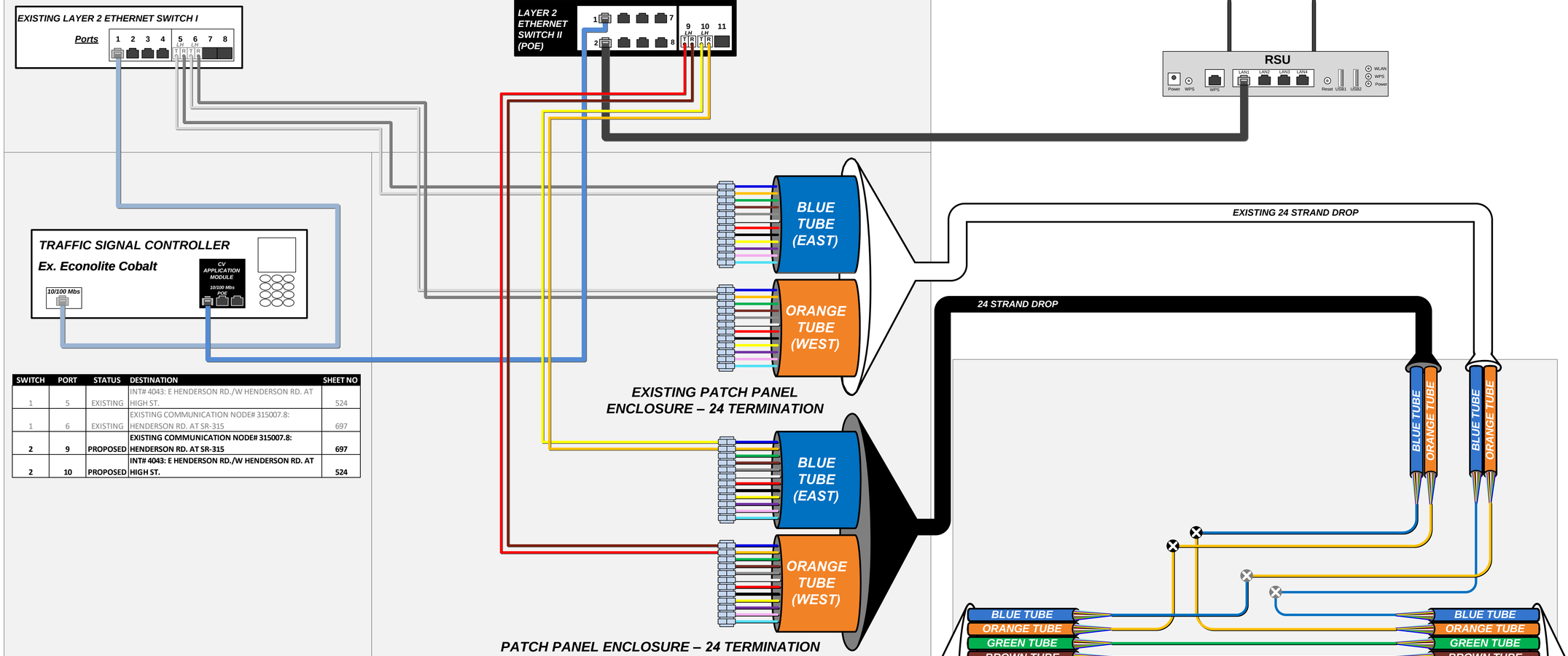
INT# 4109: HENDERSON RD. AT SR-315 NB RAMPS
COMMUNICATIONS DIAGRAM

CITY OF COLUMBUS TRAFFIC SIGNAL SYSTEM
(CTSS) PHASE F – FINAL SUBMITTAL

522
768

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TRAFFIC SIGNAL CABINET ASSEMBLY

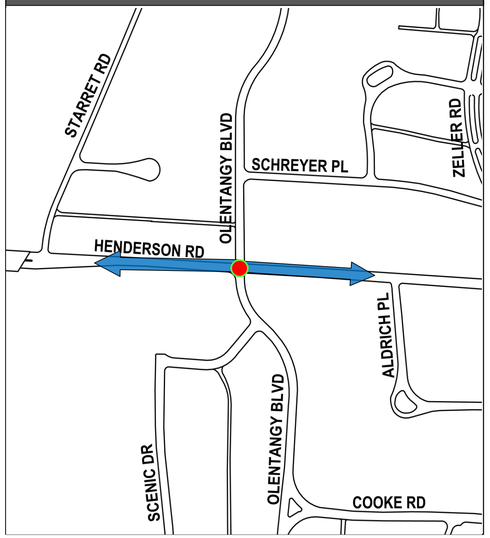


SWITCH	PORT	STATUS	DESTINATION	SHEET NO
1	5	EXISTING	INT# 4043: E HENDERSON RD./W HENDERSON RD. AT HIGH ST.	524
1	6	EXISTING	EXISTING COMMUNICATION NODE# 315007.8: HENDERSON RD. AT SR-315	697
2	**9**	**PROPOSED**	**EXISTING COMMUNICATION NODE# 315007.8: HENDERSON RD. AT SR-315**	**697**
2	**10**	**PROPOSED**	**INT# 4043: E HENDERSON RD./W HENDERSON RD. AT HIGH ST.**	**524**

LEGEND

- FIBER PATCH CABLES T/R STANDARD
- FIBER PATCH CABLES R/T CROSSOVER
- EXISTING FIBER PATCH CABLES
- OUTDOOR CAT 5E CABLE
- INDOOR CAT 5E CABLE
- CAT 5E CABLE TO BE REMOVED
- TERMINATION PANEL UPC (Blue)/APC (Green)
- EXISTING/PROPOSED FIBER OR BUFFER TUBE LEFT COILED IN SPLICE ENCLOSURE
- FUSION SPLICE – 6 FIBERS/ SINGLE FIBER
- FUSION SPLICE – 12 FIBER BUFFER TUBE
- EXISTING FUSION SPLICE – 12 FIBER BUFFER TUBE
- INTERSECTION LOCATION
- GBIC OPTICAL TRANSCEIVER LH - SHORT HAUL LED ZX – LONG HAUL LASER
- SFP/COPPER/CAT5/5E/6 CONNECTOR
- COPPER/CAT5/5E/6 CONNECTOR
- 144 STRAND SMF
- 288 STRAND SMF
- WIRELESS ETHERNET RADIO

KEY PLAN



INTERSECTION 4108

REFER TO SHEET 81 FOR CONSTRUCTION PLAN DETAILS
REFER TO SHEET 456 FOR COMM OVERVIEW DETAILS

CIP: 530163 - 100014

INT# 4108: HENDERSON RD. AT OLENTANGY BLVD.
COMMUNICATIONS DIAGRAM

CITY OF COLUMBUS TRAFFIC SIGNAL SYSTEM
(CTSS) PHASE F – FINAL SUBMITTAL

523
768

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TRAFFIC SIGNAL CABINET ASSEMBLY

EXISTING LAYER 2 ETHERNET SWITCH I

Ports 1 2 3 4 5 6 7 8 (5 LH, 6 LH, 7 LH, 8)

ETHERNET SWITCH II – LAYER 2

Ports 1 2 3 4 5 6 7 8 (5 LH, 6 LH, 7 LH, 8)

RSU

Power WPS WPS LAN1 LAN2 LAN3 LAN4 Reset USB1 USB2 WLAN WPS Power

EXISTING COMPOSITE CCTV CABLE

EXISTING CCTV

TRAFFIC SIGNAL CONTROLLER
Ex. Econolite ASC/3

10/100 Mbs

EXISTING CCTV FIELD BOX

VIDEO/PTZ IP DATA
CCTV/HEATER POWER
ANALOG VIDEO
10/100 Mbs

EXISTING PATCH PANEL ENCLOSURES: (2) - 24 TERMINATION

BLUE TUBE (NORTH)
ORANGE TUBE (SOUTH)
BLUE TUBE (SPARE)
ORANGE TUBE (WEST)

EXISTING PATCH PANEL ENCLOSURES: 24 TERMINATION

PATCH PANEL ENCLOSURES: 24 TERMINATION

BLUE TUBE (SPARE)
ORANGE TUBE (WEST)

EXISTING 24 STRAND DROP

24 STRAND DROP

EXISTING 24 STRAND DROP

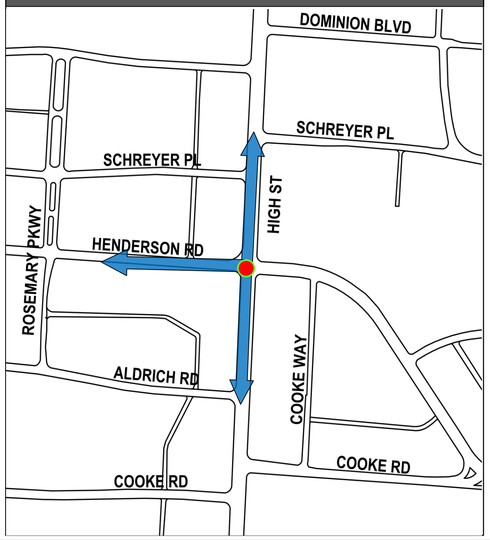
TO SPLICE ENCLOSURE
MATCHLINE 'A' - SEE SHEET 525

SWITCH	PORT	STATUS	DESTINATION	SHEET NO
1	5	EXISTING	EXISTING CONNECTION TO INT# 4042: HIGH ST. AT COOKE RD.	
1	6	EXISTING	EXISTING CONNECTION TO INT# 4044: HIGH ST. AT DOMINION	
1	7	EXISTING	INT# 4108: HENDERSON RD. AT OLENTANGY BLVD.	523
2	**9**	**PROPOSED**	**EXISTING CONNECTION TO INT# 4042: HIGH ST. AT COOKE RD.**	
2	**10**	**PROPOSED**	**EXISTING CONNECTION TO INT# 4044: HIGH ST. AT DOMINION**	
2	**11**	**PROPOSED**	**INT# 4108: HENDERSON RD. AT OLENTANGY BLVD.**	**523**

LEGEND

- FIBER PATCH CABLES T/R STANDARD
- FIBER PATCH CABLES R/T CROSSOVER
- EXISTING FIBER PATCH CABLES
- OUTDOOR CAT 5E CABLE
- INDOOR CAT 5E CABLE
- CAT 5E CABLE TO BE REMOVED
- TERMINATION PANEL UPC (Blue)/APC (Green)
- EXISTING/PROPOSED FIBER OR BUFFER TUBE LEFT COILED IN SPLICE ENCLOSURE
- FUSION SPLICE – 6 FIBERS/ SINGLE FIBER
- FUSION SPLICE – 12 FIBER BUFFER TUBE
- EXISTING FUSION SPLICE – 12 FIBER BUFFER TUBE
- INTERSECTION LOCATION
- GBIC OPTICAL TRANSCEIVER LH - SHORT HAUL LED ZX – LONG HAUL LASER
- SFP/COPPER/CAT5/5E/6 CONNECTOR
- COPPER/CAT5/5E/6 CONNECTOR
- 144 STRAND SMF
- 288 STRAND SMF
- WIRELESS ETHERNET RADIO

KEY PLAN



INTERSECTION 4043

REFER TO SHEET 82 FOR CONSTRUCTION PLAN DETAILS
REFER TO SHEET 456 FOR COMM OVERVIEW DETAILS

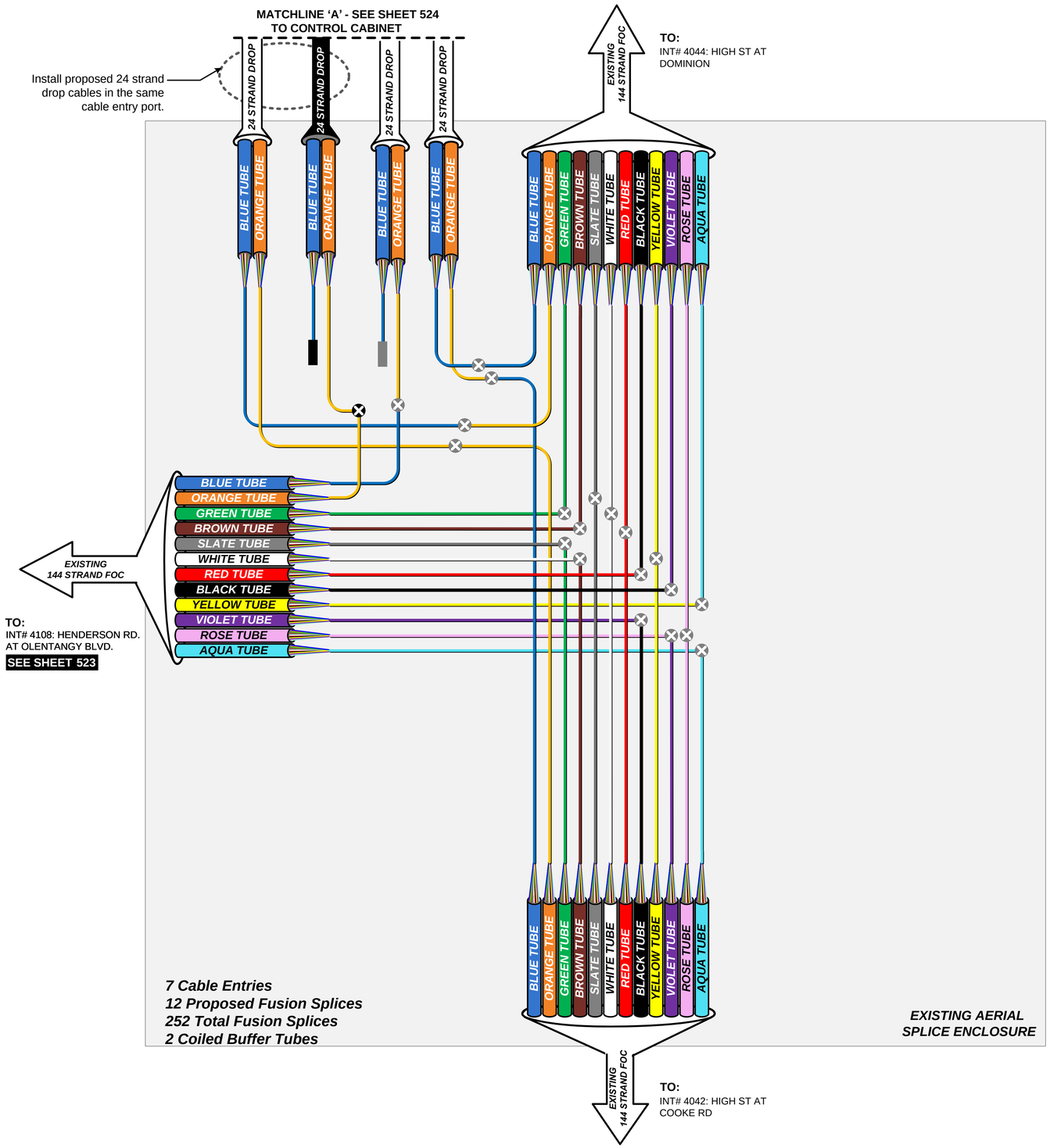
CIP: 530163 - 100014

INT# 4043: E HENDERSON RD./W HENDERSON RD. AT HIGH ST.
COMMUNICATIONS DIAGRAM

CITY OF COLUMBUS TRAFFIC SIGNAL SYSTEM
(CTSS) PHASE F – FINAL SUBMITTAL

524
768

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INTERSECTION 4043

REFER TO SHEET 82 FOR CONSTRUCTION PLAN DETAILS
REFER TO SHEET 456 FOR COMM OVERVIEW DETAILS

CIP: 530163 - 100014

INT# 4043: E HENDERSON RD./W HENDERSON RD. AT HIGH ST.
COMMUNICATIONS DIAGRAM

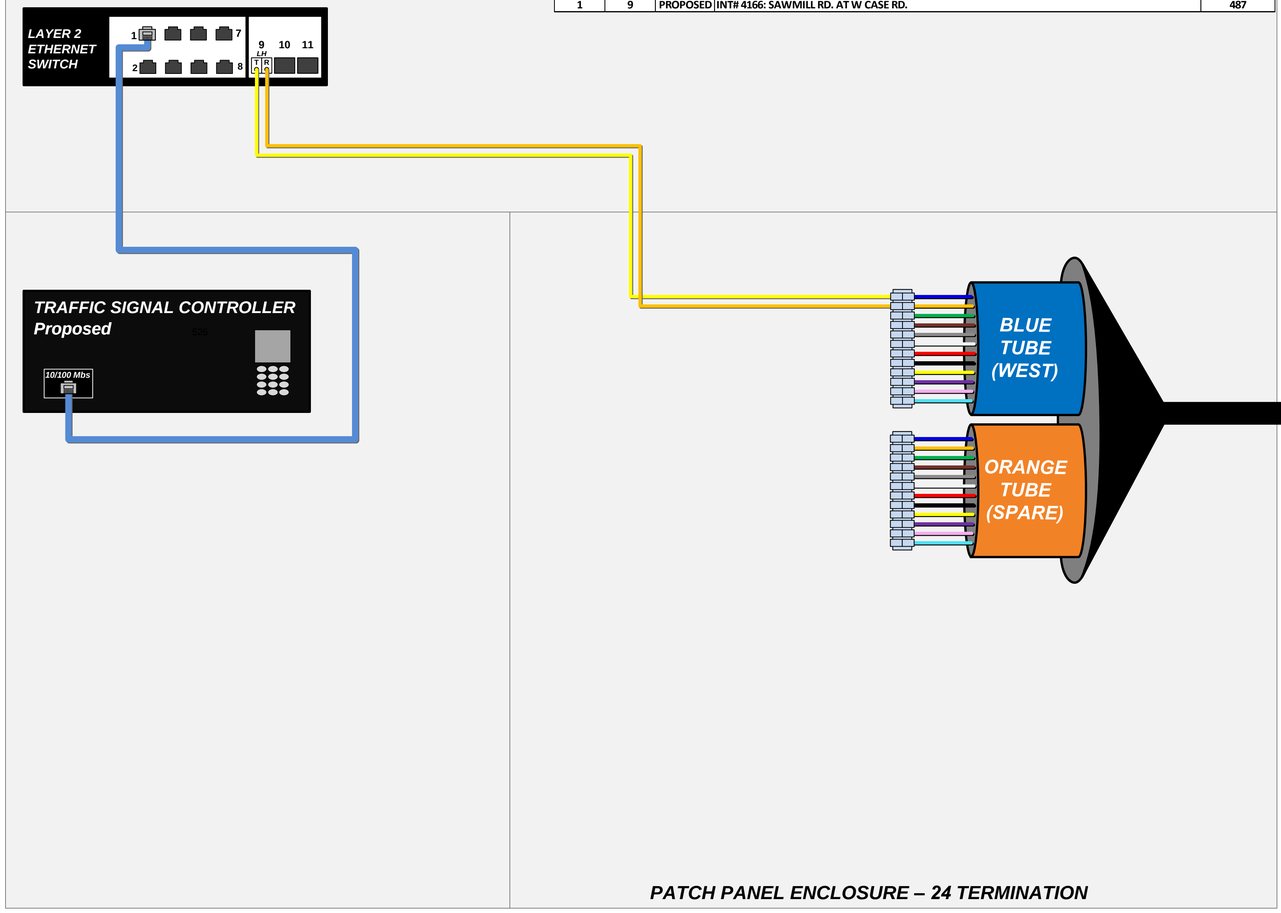
CITY OF COLUMBUS TRAFFIC SIGNAL SYSTEM
(CTSS) PHASE F – FINAL SUBMITTAL

525
768

\\colw00\pmwork\Jobs\70202 - CTSS Phase F\TECHPROD\Communications\Intersection Splicing Details\510-525.vsd - 4043-SPLICING DETAIL layout ~ last saved by: skoganti 6/1/2022 9:58:56 AM ~ printed: 6/1/2022 9:58:56 AM

TRAFFIC SIGNAL CABINET ASSEMBLY

SWITCH	PORT	STATUS	DESTINATION	SHEET NO
1	9	PROPOSED	INT# 4166: SAWMILL RD. AT W CASE RD.	487



TO:

INT# 4166: SAWMILL RD. AT W CASE RD.

SEE SHEET 487

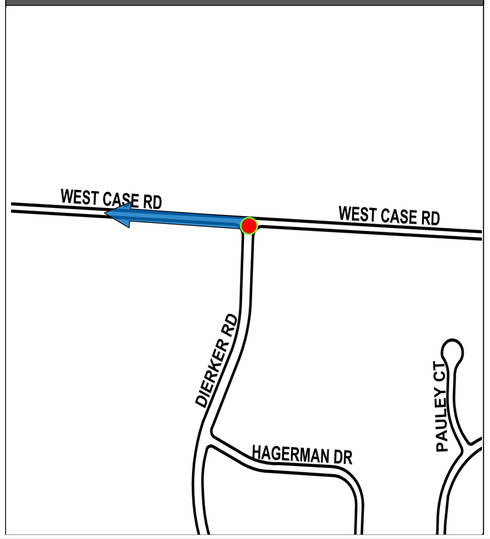
2 Cable Entries
12 Proposed Fusion Splices
12 Coiled Buffer Tubes

DOME, 288 FUSION SPLICE, UNDERGROUND SPLICE ENCLOSURE

LEGEND

- FIBER PATCH CABLES T/R STANDARD
- FIBER PATCH CABLES R/T CROSSOVER
- EXISTING FIBER PATCH CABLES
- OUTDOOR CAT 5E CABLE
- INDOOR CAT 5E CABLE
- CAT 5E CABLE TO BE REMOVED
- TERMINATION PANEL UPC (Blue)/APC (Green)
- EXISTING/PROPOSED FIBER OR BUFFER TUBE LEFT COILED IN SPLICE ENCLOSURE
- FUSION SPLICE – 6 FIBERS/ SINGLE FIBER
- FUSION SPLICE – 12 FIBER BUFFER TUBE
- EXISTING FUSION SPLICE – 12 FIBER BUFFER TUBE
- INTERSECTION LOCATION
- GBIC OPTICAL TRANSCEIVER LH - SHORT HAUL LED ZX – LONG HAUL LASER
- SFP/COPPER/CAT5/5E/6 CONNECTOR
- COPPER/CAT5/5E/6 CONNECTOR
- 144 STRAND SMF
- 288 STRAND SMF
- WIRELESS ETHERNET RADIO

KEY PLAN



INTERSECTION 4247

REFER TO SHEET 120 FOR CONSTRUCTION PLAN DETAILS
REFER TO SHEET 451 FOR COMM OVERVIEW DETAILS

CIP: 540007 - 100012
PID NUMBER: 99733

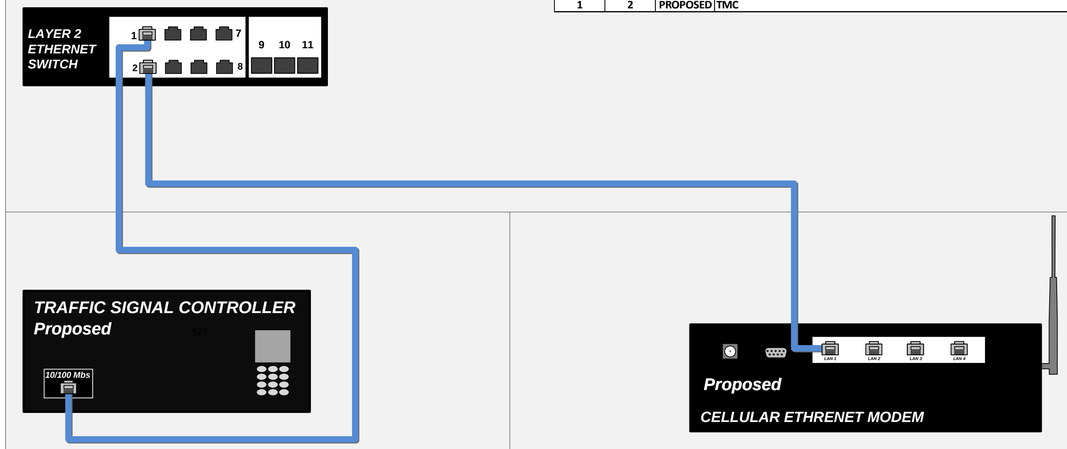
INT# 4247: DIERKER RD. AT W CASE RD.
COMMUNICATIONS DIAGRAM

CITY OF COLUMBUS TRAFFIC SIGNAL SYSTEM
(CTSS) PHASE F – FINAL SUBMITTAL

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TRAFFIC SIGNAL CABINET ASSEMBLY

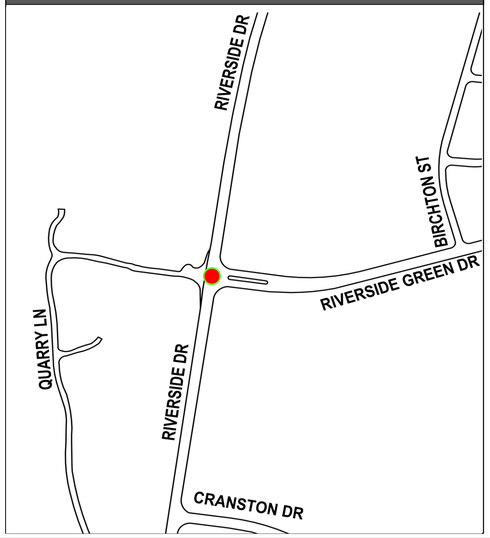
SWITCH	PORT	STATUS	DESTINATION	SHEET NO
1	2	PROPOSED	TMC	



LEGEND

- FIBER PATCH CABLES T/R STANDARD
- FIBER PATCH CABLES R/T CROSSOVER
- EXISTING FIBER PATCH CABLES
- OUTDOOR CAT 5E CABLE
- INDOOR CAT 5E CABLE
- CAT 5E CABLE TO BE REMOVED
- TERMINATION PANEL UPC (Blue)/APC (Green)
- EXISTING/PROPOSED FIBER OR BUFFER TUBE LEFT COILED IN SPLICE ENCLOSURE
- FUSION SPLICE – 6 FIBERS/ SINGLE FIBER
- FUSION SPLICE – 12 FIBER BUFFER TUBE
- EXISTING FUSION SPLICE – 12 FIBER BUFFER TUBE
- INTERSECTION LOCATION
- GBIC OPTICAL TRANSCEIVER LH - SHORT HAUL LED ZX – LONG HAUL LASER
- SFP/COPPER/CAT5/5E/6 CONNECTOR
- COPPER/CAT5/5E/6 CONNECTOR
- 144 STRAND SMF
- 288 STRAND SMF
- WIRELESS ETHERNET RADIO

KEY PLAN



INTERSECTION 4147

REFER TO SHEET 121 FOR CONSTRUCTION PLAN DETAILS
REFER TO SHEET 451 FOR COMM OVERVIEW DETAILS

CIP: 540007 - 100012
PID NUMBER: 99733

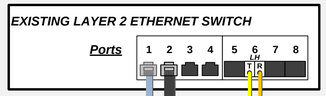
INT# 4147: RIVERSIDE DR. AT RIVERSIDE GREEN DR.
COMMUNICATIONS DIAGRAM

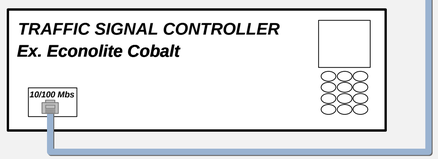
CITY OF COLUMBUS TRAFFIC SIGNAL SYSTEM
(CTSS) PHASE F – FINAL SUBMITTAL

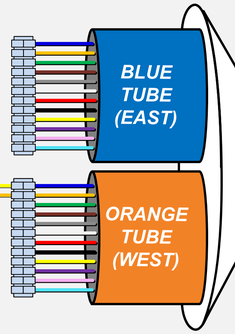
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TRAFFIC SIGNAL CABINET ASSEMBLY

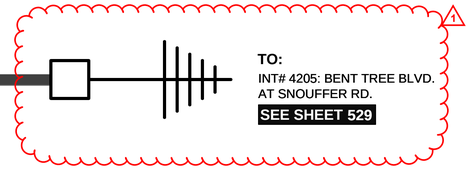
SWITCH	PORT	STATUS	DESTINATION	SHEET NO
1	2	PROPOSED	INT# 4205: BENT TREE BLVD. AT SNOUFFER RD.	529
1	6	PROPOSED	INT# 4144: SAWMILL RD. AT SNOUFFER	495

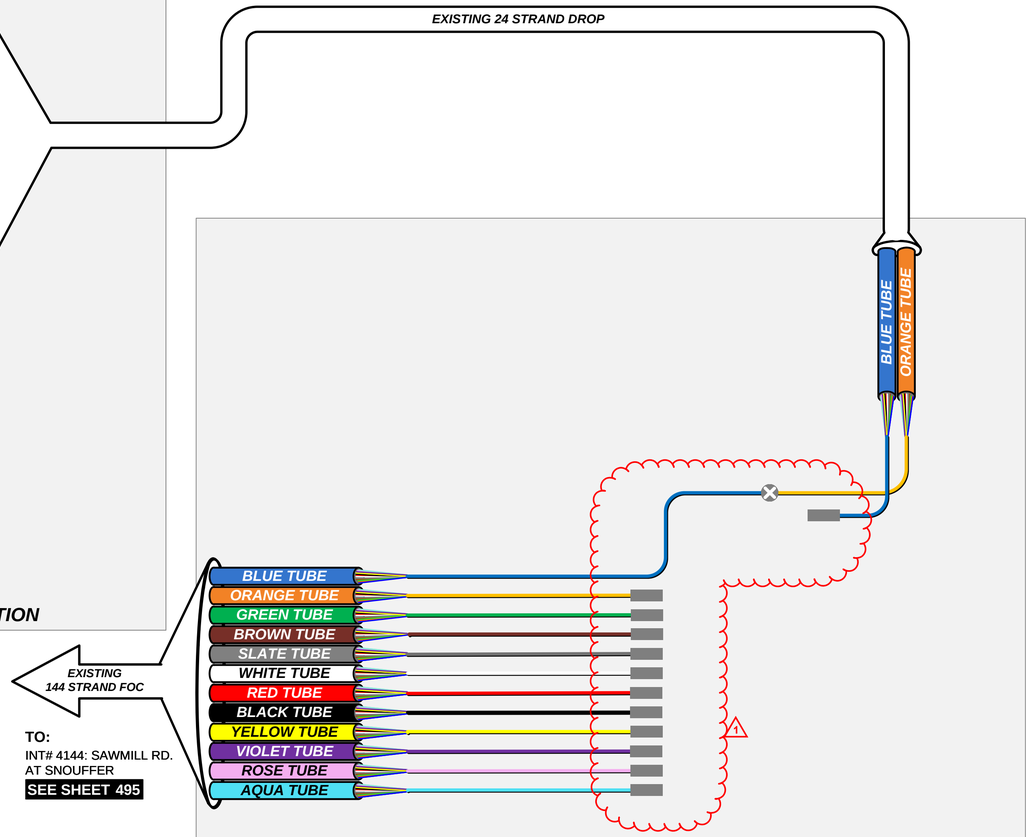






EXISTING PATCH PANEL ENCLOSURE – 24 TERMINATION



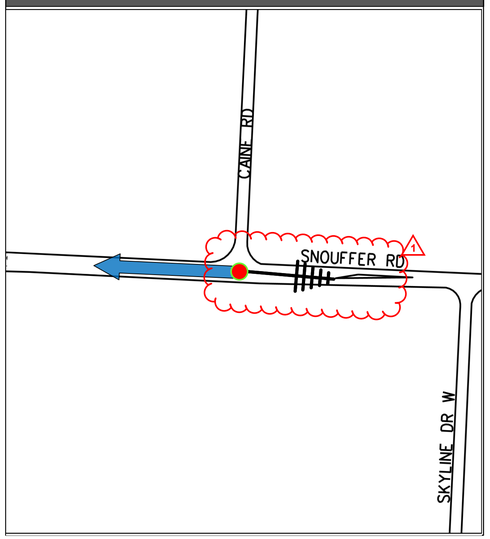


EXISTING AERIAL SPLICE ENCLOSURE

LEGEND

- FIBER PATCH CABLES T/R STANDARD
- FIBER PATCH CABLES R/T CROSSOVER
- EXISTING FIBER PATCH CABLES
- OUTDOOR CAT 5E CABLE
- INDOOR CAT 5E CABLE
- CAT 5E CABLE TO BE REMOVED
- TERMINATION PANEL UPC (Blue)/APC (Green)
- EXISTING/PROPOSED FIBER OR BUFFER TUBE LEFT COILED IN SPLICE ENCLOSURE
- FUSION SPLICE – 6 FIBERS/ SINGLE FIBER
- FUSION SPLICE – 12 FIBER BUFFER TUBE
- EXISTING FUSION SPLICE – 12 FIBER BUFFER TUBE
- INTERSECTION LOCATION
- GBIC OPTICAL TRANSCEIVER LH - SHORT HAUL LED ZX – LONG HAUL LASER
- SFP/COPPER/CAT5/5E/6 CONNECTOR
- COPPER/CAT5/5E/6 CONNECTOR
- 144 STRAND SMF
- 288 STRAND SMF
- WIRELESS ETHERNET RADIO

KEY PLAN



INTERSECTION 4220 ⚠1 REVISION 1.0

REFER TO SHEET 96 FOR CONSTRUCTION PLAN DETAILS
REFER TO SHEET 455 FOR COMM OVERVIEW DETAILS

CIP: 540007 - 100012
PID NUMBER: 99733

INT# 4220: CAINE RD. AT SNOUFFER RD.
COMMUNICATIONS DIAGRAM

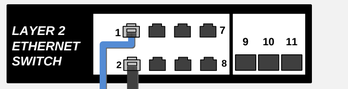
CITY OF COLUMBUS TRAFFIC SIGNAL SYSTEM
(CTSS) PHASE F – FINAL SUBMITTAL

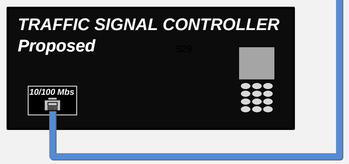
528
768

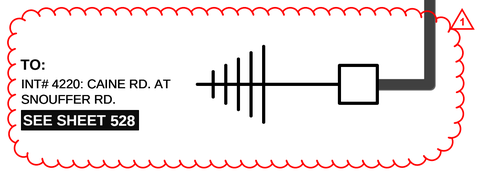
J:\Jobs\70202 - CTSS Phase F\TECHPROD\Communications\Intersection Splicing Details\526-536.vsd - 4220 layout – last saved by: skoganti 9/7/2022 12:27:58 AM ~ printed: 9/7/2022 12:27:58 AM

TRAFFIC SIGNAL CABINET ASSEMBLY

SWITCH	PORT	STATUS	DESTINATION	SHEET NO
1	2	PROPOSED	INT# 4220: CAINE RD. AT SNOUFFER RD.	528



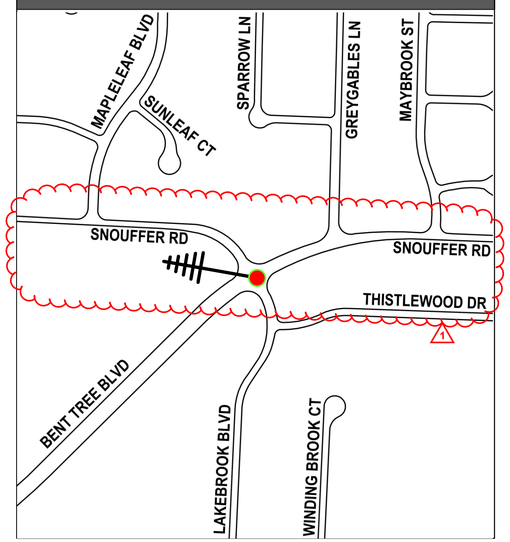




LEGEND

- FIBER PATCH CABLES T/R STANDARD
- FIBER PATCH CABLES R/T CROSSOVER
- EXISTING FIBER PATCH CABLES
- OUTDOOR CAT 5E CABLE
- INDOOR CAT 5E CABLE
- CAT 5E CABLE TO BE REMOVED
- TERMINATION PANEL UPC (Blue)/APC (Green)
- EXISTING/PROPOSED FIBER OR BUFFER TUBE LEFT COILED IN SPLICE ENCLOSURE
- FUSION SPLICE – 6 FIBERS/ SINGLE FIBER
- FUSION SPLICE – 12 FIBER BUFFER TUBE
- EXISTING FUSION SPLICE – 12 FIBER BUFFER TUBE
- INTERSECTION LOCATION
- GBIC OPTICAL TRANSCEIVER LH - SHORT HAUL LED ZX – LONG HAUL LASER
- SFP/COPPER/CAT5/5E/6 CONNECTOR
- COPPER/CAT5/5E/6 CONNECTOR
- 144 STRAND SMF
- 288 STRAND SMF
- WIRELESS ETHERNET RADIO

KEY PLAN



INTERSECTION 4205 ⚠1 REVISION 1.0

REFER TO SHEET 100 FOR CONSTRUCTION PLAN DETAILS
REFER TO SHEET 455 FOR COMM OVERVIEW DETAILS

CIP: 540007 - 100012
PID NUMBER: 99733

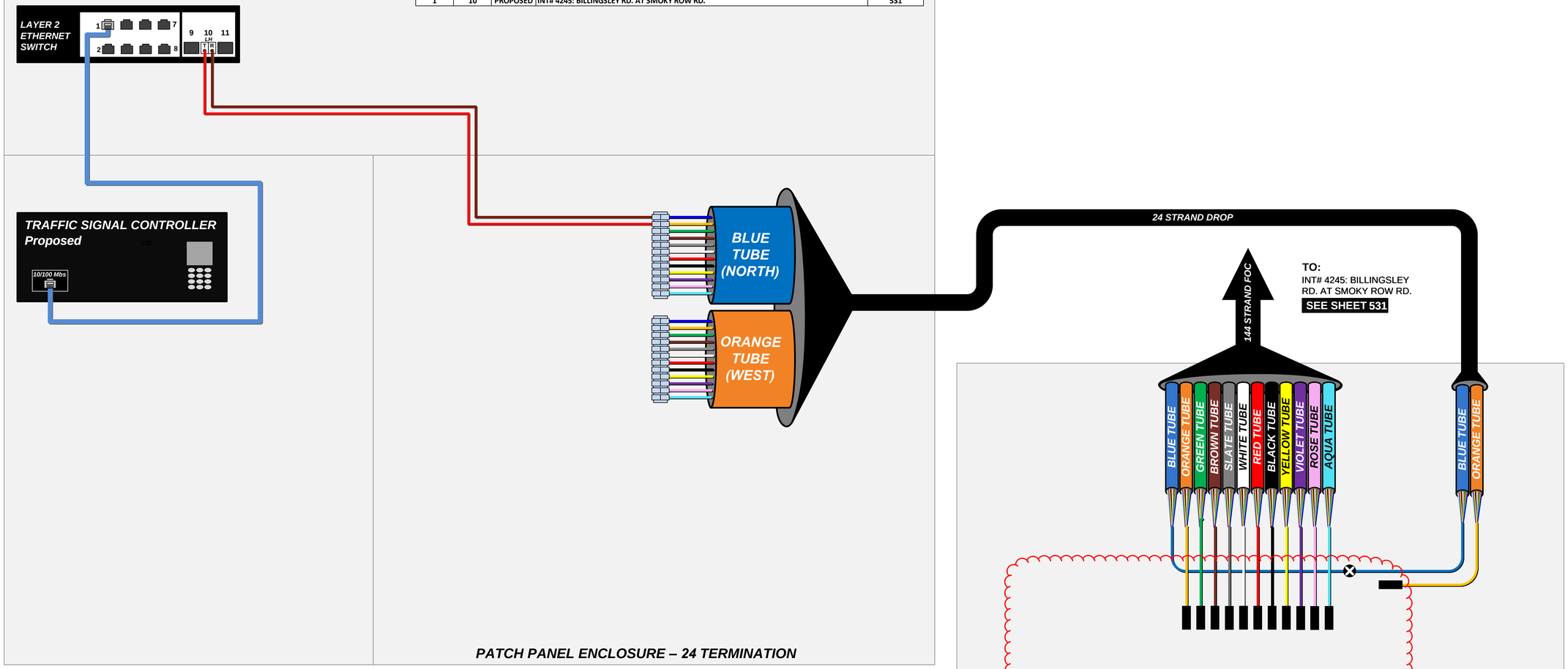
INT# 4205: BENT TREE BLVD. AT SNOUFFER RD.
COMMUNICATIONS DIAGRAM

CITY OF COLUMBUS TRAFFIC SIGNAL SYSTEM
(CTSS) PHASE F – FINAL SUBMITTAL

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TRAFFIC SIGNAL CABINET ASSEMBLY

SWITCH	PORT	STATUS	DESTINATION	SHEET NO
1	10	PROPOSED	INT# 4245: BILLINGSLEY RD. AT SMOKY ROW RD.	531



PATCH PANEL ENCLOSURE – 24 TERMINATION

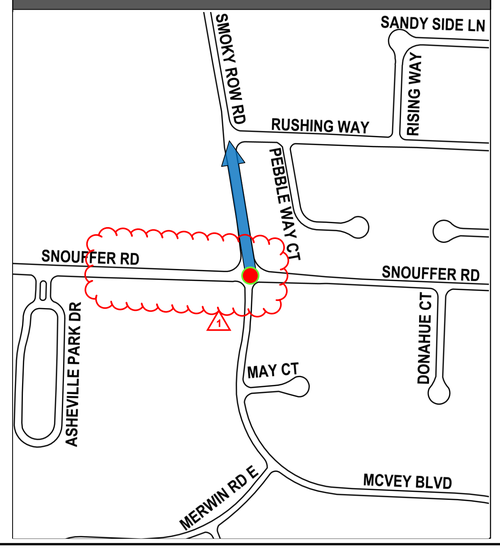
2 Cable Entries
12 Proposed Fusion Splices
12 Coiled Buffer Tubes

DOME, 288 FUSION SPLICE, AERIAL SPLICE ENCLOSURE

LEGEND

- FIBER PATCH CABLES T/R STANDARD
- FIBER PATCH CABLES R/T CROSSOVER
- EXISTING FIBER PATCH CABLES
- OUTDOOR CAT 5E CABLE
- INDOOR CAT 5E CABLE
- CAT 5E CABLE TO BE REMOVED
- TERMINATION PANEL UPC (Blue)/APC (Green)
- EXISTING/PROPOSED FIBER OR BUFFER TUBE LEFT COILED IN SPLICE ENCLOSURE
- FUSION SPLICE – 6 FIBERS/ SINGLE FIBER
- FUSION SPLICE – 12 FIBER BUFFER TUBE
- EXISTING FUSION SPLICE – 12 FIBER BUFFER TUBE
- INTERSECTION LOCATION
- GBIC OPTICAL TRANSCEIVER LH - SHORT HAUL LED ZX – LONG HAUL LASER
- SFP/COPPER/CAT5/5E/6 CONNECTOR
- COPPER/CAT5/5E/6 CONNECTOR
- 144 STRAND SMF
- 288 STRAND SMF
- WIRELESS ETHERNET RADIO

KEY PLAN



INTERSECTION 4244 ⚠1 REVISION 1.0

REFER TO SHEET 104 FOR CONSTRUCTION PLAN DETAILS
REFER TO SHEET 455 FOR COMM OVERVIEW DETAILS

CIP: 540007 - 100012
PID NUMBER: 99733

INT# 4244: SMOKY ROW RD. AT SNOUFFER RD.
COMMUNICATIONS DIAGRAM

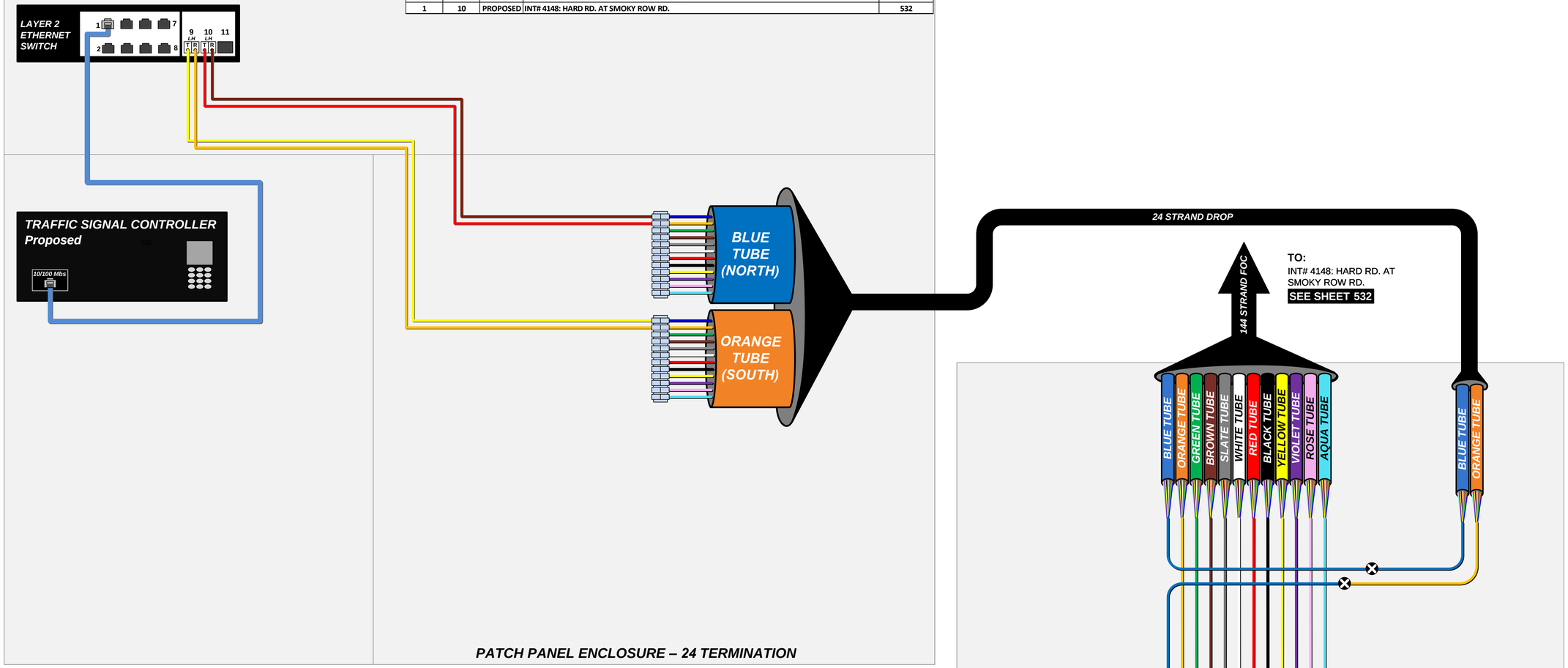
CITY OF COLUMBUS TRAFFIC SIGNAL SYSTEM
(CTSS) PHASE F – FINAL SUBMITTAL

530
768

J:\Jobs\70202 - CTSS Phase F\TECHPROD\Communications\Intersection Splicing Details\526-536.vsd - 4244 layout ~ last saved by: skoganti 9/7/2022 12:27:58 AM ~ printed: 9/7/2022 12:27:58 AM

TRAFFIC SIGNAL CABINET ASSEMBLY

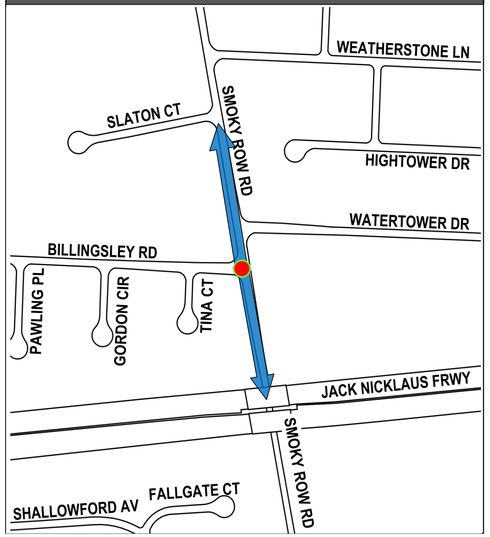
SWITCH	PORT	STATUS	DESTINATION	SHEET NO
1	9	PROPOSED	INT# 4244: SMOKY ROW RD. AT SNOUFFER RD.	530
1	10	PROPOSED	INT# 4148: HARD RD. AT SMOKY ROW RD.	532



LEGEND

- FIBER PATCH CABLES T/R STANDARD
- FIBER PATCH CABLES R/T CROSSOVER
- EXISTING FIBER PATCH CABLES
- OUTDOOR CAT 5E CABLE
- INDOOR CAT 5E CABLE
- CAT 5E CABLE TO BE REMOVED
- TERMINATION PANEL UPC (Blue)/APC (Green)
- EXISTING/PROPOSED FIBER OR BUFFER TUBE LEFT COILED IN SPLICE ENCLOSURE
- FUSION SPLICE – 6 FIBERS/ SINGLE FIBER
- FUSION SPLICE – 12 FIBER BUFFER TUBE
- EXISTING FUSION SPLICE – 12 FIBER BUFFER TUBE
- INTERSECTION LOCATION
- GBIC OPTICAL TRANSCEIVER LH - SHORT HAUL LED ZX – LONG HAUL LASER
- SFP/COPPER/CAT5/5E/6 CONNECTOR
- COPPER/CAT5/5E/6 CONNECTOR
- 144 STRAND SMF
- 288 STRAND SMF
- WIRELESS ETHERNET RADIO

KEY PLAN



INTERSECTION 4245

REFER TO SHEET 107 FOR CONSTRUCTION PLAN DETAILS
REFER TO SHEET 455 FOR COMM OVERVIEW DETAILS

CIP: 540007 - 100012
PID NUMBER: 99733

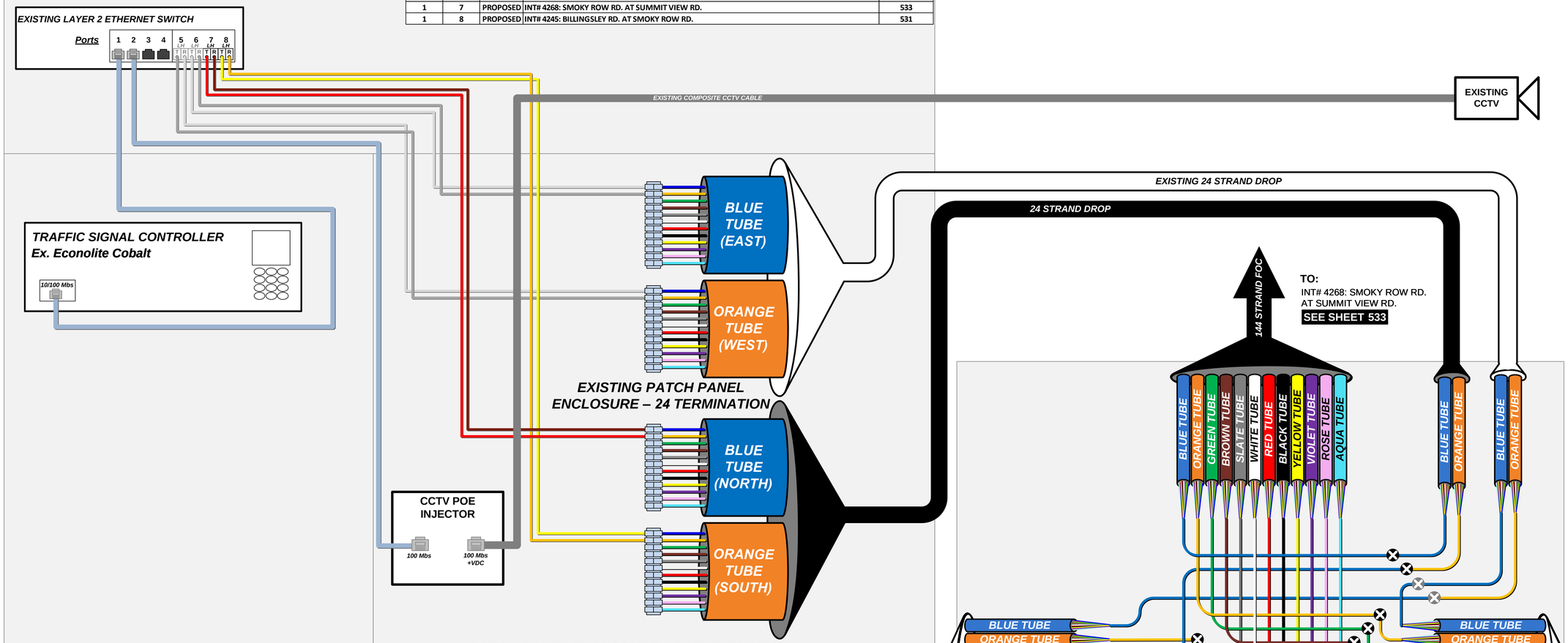
INT# 4245: BILLINGSLEY RD. AT SMOKY ROW RD.
COMMUNICATIONS DIAGRAM

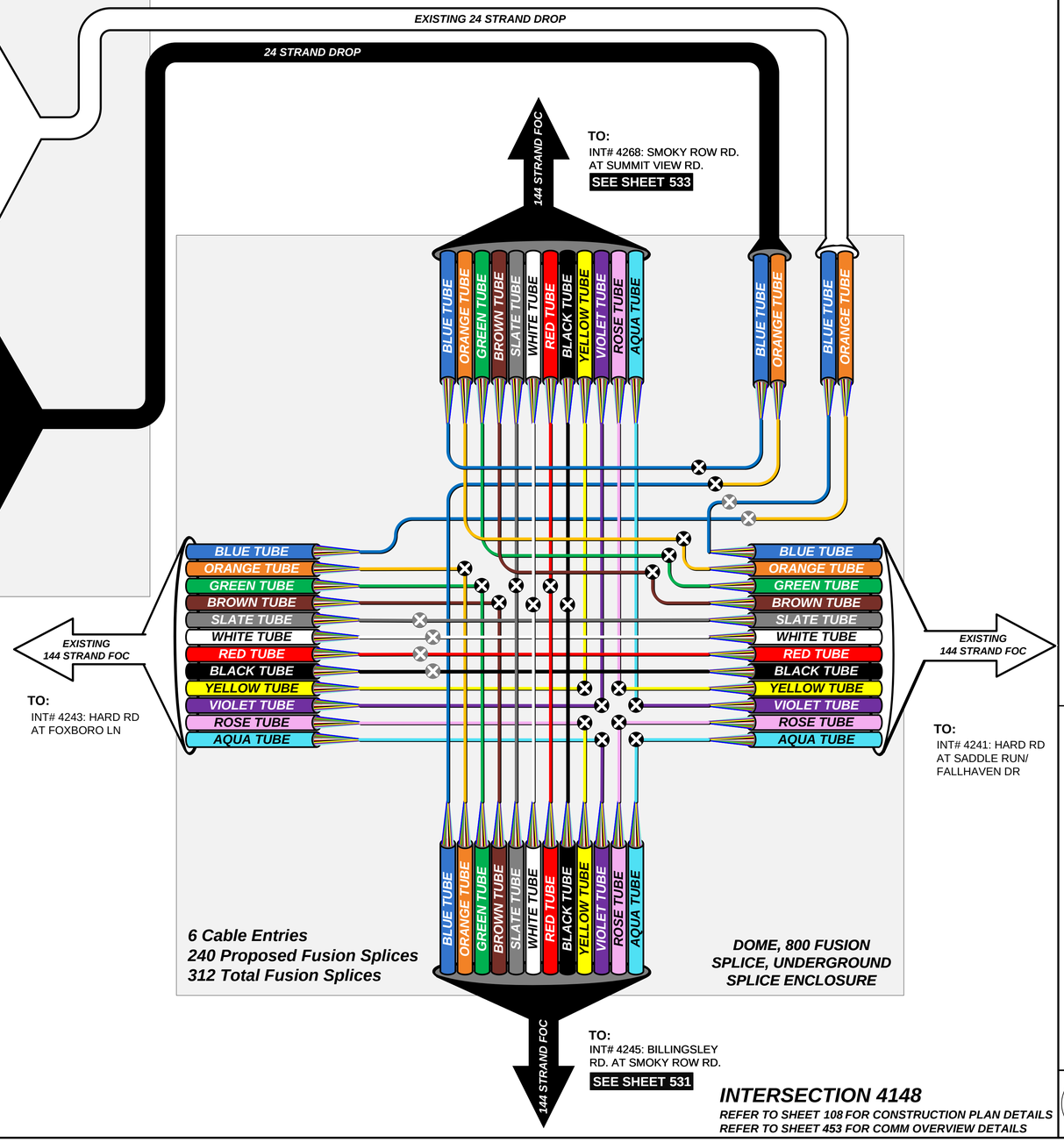
CITY OF COLUMBUS TRAFFIC SIGNAL SYSTEM
(CTSS) PHASE F – FINAL SUBMITTAL

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TRAFFIC SIGNAL CABINET ASSEMBLY

SWITCH	PORT	STATUS	DESTINATION	SHEET NO
1	5	EXISTING	EXISTING CONNECTION TO INT# 4243: HARD RD AT FOXBORO LN	
1	6	EXISTING	EXISTING CONNECTION TO INT# 4241:HARD RD AT SADDLE RUN/FALLHAVEN DR	
1	**7**	**PROPOSED**	**INT# 4268: SMOKY ROW RD. AT SUMMIT VIEW RD.**	**533**
1	**8**	**PROPOSED**	**INT# 4245: BILLINGSLEY RD. AT SMOKY ROW RD.**	**531**

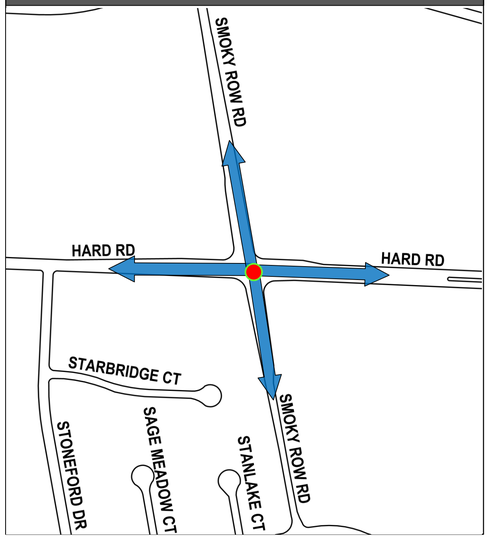




LEGEND

- FIBER PATCH CABLES T/R STANDARD
- FIBER PATCH CABLES R/T CROSSOVER
- EXISTING FIBER PATCH CABLES
- OUTDOOR CAT 5E CABLE
- INDOOR CAT 5E CABLE
- CAT 5E CABLE TO BE REMOVED
- TERMINATION PANEL UPC (Blue)/APC (Green)
- EXISTING/PROPOSED FIBER OR BUFFER TUBE LEFT COILED IN SPLICE ENCLOSURE
- FUSION SPLICE – 6 FIBERS/ SINGLE FIBER
- FUSION SPLICE – 12 FIBER BUFFER TUBE
- EXISTING FUSION SPLICE – 12 FIBER BUFFER TUBE
- INTERSECTION LOCATION
- GBIC OPTICAL TRANSCEIVER LH - SHORT HAUL LED ZX – LONG HAUL LASER
- SFP/COPPER/CAT5/5E/6 CONNECTOR
- COPPER/CAT5/5E/6 CONNECTOR
- 144 STRAND SMF
- 288 STRAND SMF
- WIRELESS ETHERNET RADIO

KEY PLAN



INTERSECTION 4148

REFER TO SHEET 108 FOR CONSTRUCTION PLAN DETAILS
REFER TO SHEET 453 FOR COMM OVERVIEW DETAILS

CIP: 540007 - 100012
PID NUMBER: 99733

INT# 4148: HARD RD. AT SMOKY ROW RD.
COMMUNICATIONS DIAGRAM

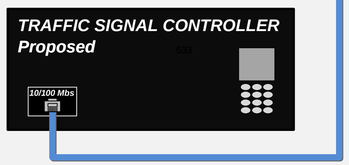
CITY OF COLUMBUS TRAFFIC SIGNAL SYSTEM
(CTSS) PHASE F – FINAL SUBMITTAL

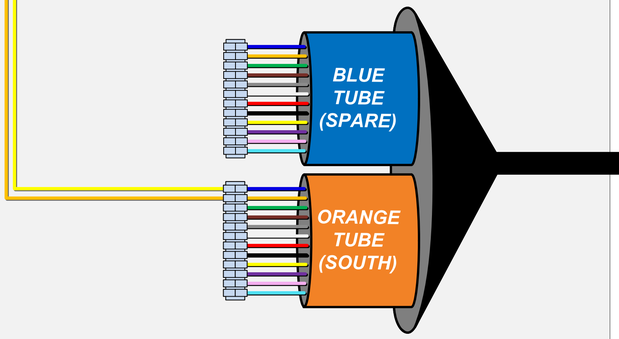
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TRAFFIC SIGNAL CABINET ASSEMBLY

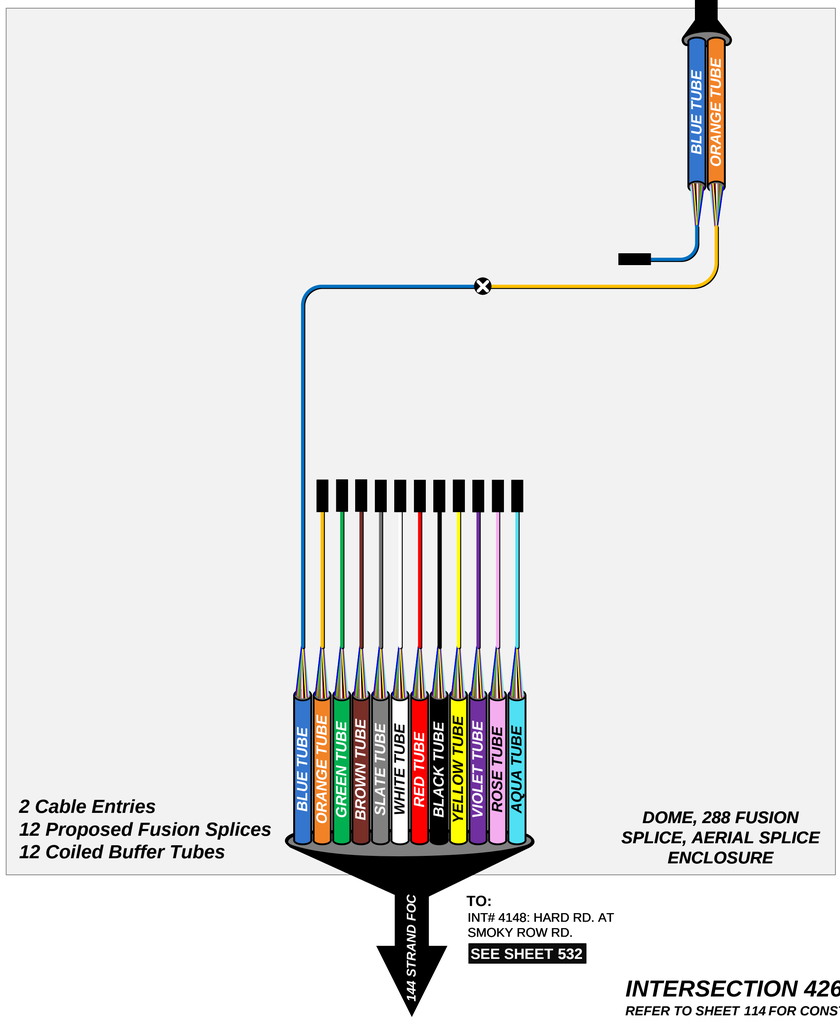
SWITCH	PORT	STATUS	DESTINATION	SHEET NO
1	9	PROPOSED	INT# 4148: HARD RD. AT SMOKY ROW RD.	532







PATCH PANEL ENCLOSURE – 24 TERMINATION



2 Cable Entries
12 Proposed Fusion Splices
12 Coiled Buffer Tubes

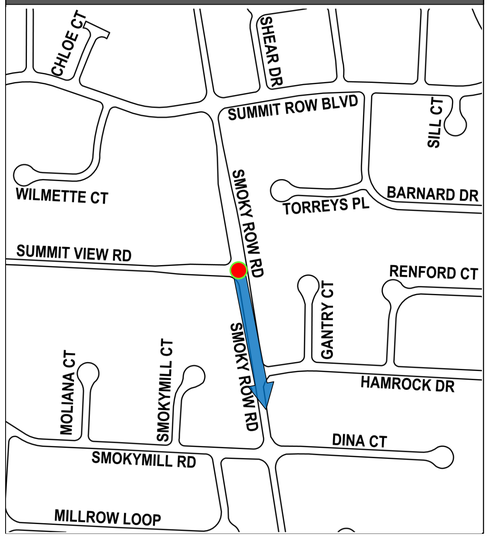
DOME, 288 FUSION SPLICE, AERIAL SPLICE ENCLOSURE

TO:
INT# 4148: HARD RD. AT SMOKY ROW RD.
SEE SHEET 532

LEGEND

- FIBER PATCH CABLES T/R STANDARD
- FIBER PATCH CABLES R/T CROSSOVER
- EXISTING FIBER PATCH CABLES
- OUTDOOR CAT 5E CABLE
- INDOOR CAT 5E CABLE
- CAT 5E CABLE TO BE REMOVED
- TERMINATION PANEL UPC (Blue)/APC (Green)
- EXISTING/PROPOSED FIBER OR BUFFER TUBE LEFT COILED IN SPLICE ENCLOSURE
- FUSION SPLICE – 6 FIBERS/ SINGLE FIBER
- FUSION SPLICE – 12 FIBER BUFFER TUBE
- EXISTING FUSION SPLICE – 12 FIBER BUFFER TUBE
- INTERSECTION LOCATION
- GBIC OPTICAL TRANSCEIVER LH - SHORT HAUL LED ZX – LONG HAUL LASER
- SFP/COPPER/CAT5/5E/6 CONNECTOR
- COPPER/CAT5/5E/6 CONNECTOR
- 144 STRAND SMF
- 288 STRAND SMF
- WIRELESS ETHERNET RADIO

KEY PLAN



INTERSECTION 4268

REFER TO SHEET 114 FOR CONSTRUCTION PLAN DETAILS
REFER TO SHEET 453 FOR COMM OVERVIEW DETAILS

CIP: 540007 - 100012
PID NUMBER: 99733

INT# 4268: SMOKY ROW RD. AT SUMMIT VIEW RD.
COMMUNICATIONS DIAGRAM

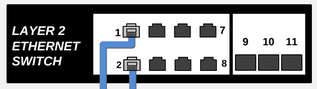
CITY OF COLUMBUS TRAFFIC SIGNAL SYSTEM
(CTSS) PHASE F – FINAL SUBMITTAL

533
768

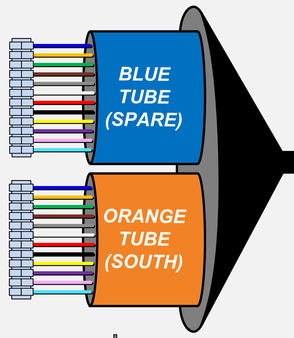
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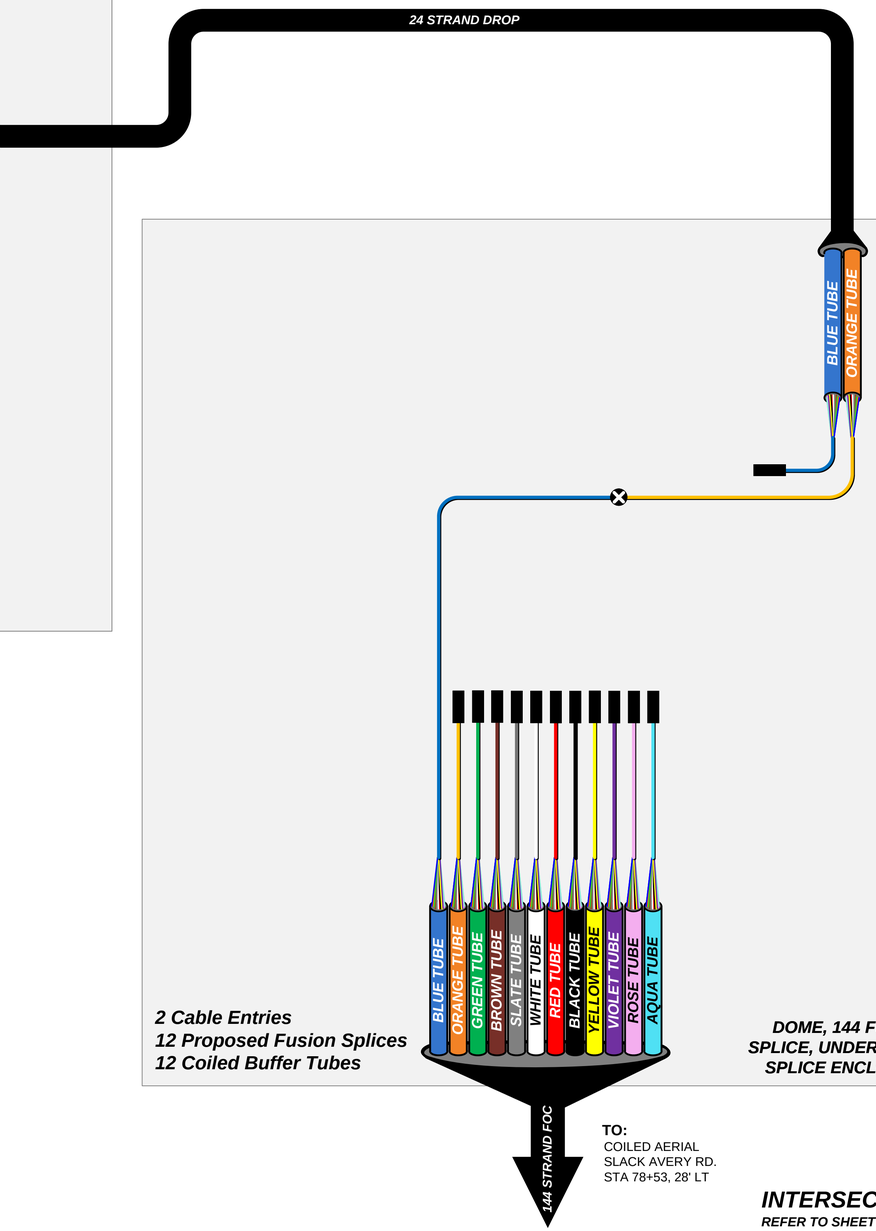
TRAFFIC SIGNAL CABINET ASSEMBLY

SWITCH	PORT	STATUS	DESTINATION	SHEET NO
1	2	PROPOSED	TMC	







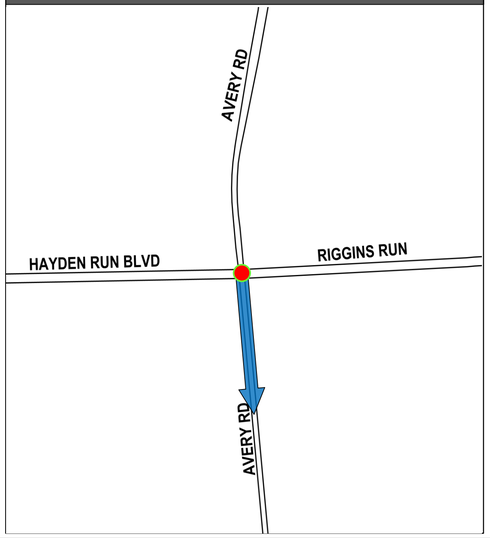


PATCH PANEL ENCLOSURE – 24 TERMINATION

LEGEND

- FIBER PATCH CABLES T/R STANDARD
- FIBER PATCH CABLES R/T CROSSOVER
- EXISTING FIBER PATCH CABLES
- OUTDOOR CAT 5E CABLE
- INDOOR CAT 5E CABLE
- CAT 5E CABLE TO BE REMOVED
- TERMINATION PANEL UPC (Blue)/APC (Green)
- EXISTING/PROPOSED FIBER OR BUFFER TUBE LEFT COILED IN SPLICE ENCLOSURE
- FUSION SPLICE – 6 FIBERS/ SINGLE FIBER
- FUSION SPLICE – 12 FIBER BUFFER TUBE
- EXISTING FUSION SPLICE – 12 FIBER BUFFER TUBE
- INTERSECTION LOCATION
- GBIC OPTICAL TRANSCEIVER LH - SHORT HAUL LED ZX – LONG HAUL LASER
- SFP/COPPER/CAT5/5E/6 CONNECTOR
- COPPER/CAT5/5E/6 CONNECTOR
- 144 STRAND SMF
- 288 STRAND SMF
- WIRELESS ETHERNET RADIO

KEY PLAN



INTERSECTION 4264

REFER TO SHEET 94 FOR CONSTRUCTION PLAN DETAILS
REFER TO SHEET 457 FOR COMM OVERVIEW DETAILS

CIP: 540007 - 100012
PID NUMBER: 99733

INT# 4264: AVERY RD. AT RIGGINS RUN & HAYDEN RUN BLVD.
COMMUNICATIONS DIAGRAM

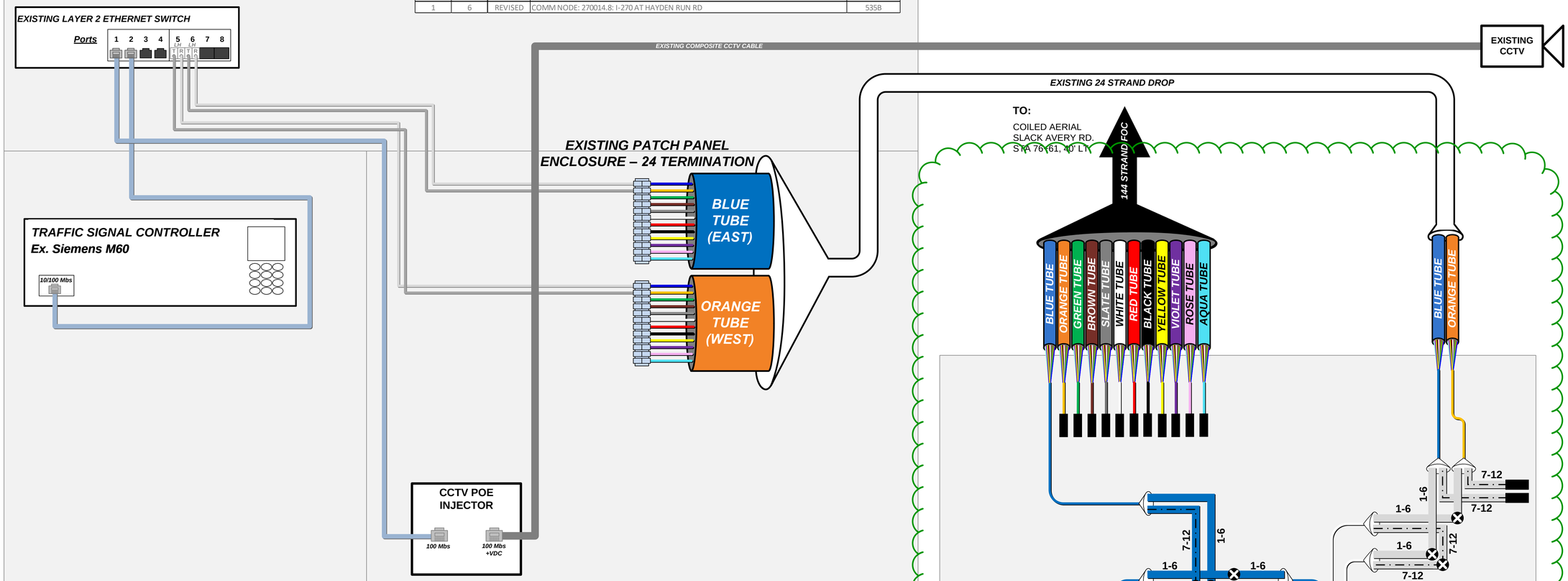
CITY OF COLUMBUS TRAFFIC SIGNAL SYSTEM
(CTSS) PHASE F – FINAL SUBMITTAL

534
768

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TRAFFIC SIGNAL CABINET ASSEMBLY

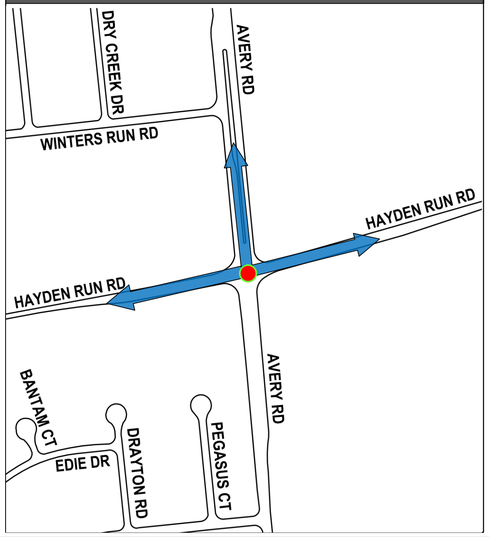
SWITCH	PORT	STATUS	DESTINATION	SHEET NO
1	5	REVISED	INT SIG4835: COSGRAY RD AT AVERY RD	535A
1	6	REVISED	COMM NODE: 270014.8: I-270 AT HAYDEN RUN RD	535B



LEGEND

- FIBER PATCH CABLES T/R STANDARD
- FIBER PATCH CABLES R/T CROSSOVER
- EXISTING FIBER PATCH CABLES
- OUTDOOR CAT 5E CABLE
- INDOOR CAT 5E CABLE
- CAT 5E CABLE TO BE REMOVED
- TERMINATION PANEL UPC (Blue)/APC (Green)
- EXISTING/PROPOSED FIBER OR BUFFER TUBE LEFT COILED IN SPLICE ENCLOSURE
- FUSION SPLICE – 6 FIBERS/ SINGLE FIBER
- FUSION SPLICE – 12 FIBER BUFFER TUBE
- EXISTING FUSION SPLICE – 12 FIBER BUFFER TUBE
- INTERSECTION LOCATION
- GBIC OPTICAL TRANSCEIVER LH - SHORT HAUL LED ZX – LONG HAUL LASER
- SFP/COPPER/CAT5/5E/6 CONNECTOR
- COPPER/CAT5/5E/6 CONNECTOR
- 144 STRAND SMF
- 288 STRAND SMF
- WIRELESS ETHERNET RADIO

KEY PLAN



Sheet 535A located on sheet 772
Sheet 535B located on sheet 775

6 DRAFT REVISION 6.0

INTERSECTION SIG4780

REFER TO SHEET 92 FOR CONSTRUCTION PLAN DETAILS
REFER TO SHEET 457 FOR COMM OVERVIEW DETAILS

CIP: 540007 - 100012
PID NUMBER: 99733

INT# SIG4780: AVERY RD. AT HAYDEN RUN RD.
COMMUNICATIONS DIAGRAM

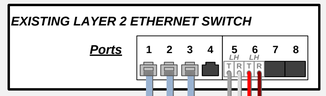
CITY OF COLUMBUS TRAFFIC SIGNAL SYSTEM
(CTSS) PHASE F – FINAL SUBMITTAL

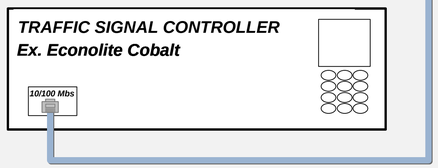
535
768

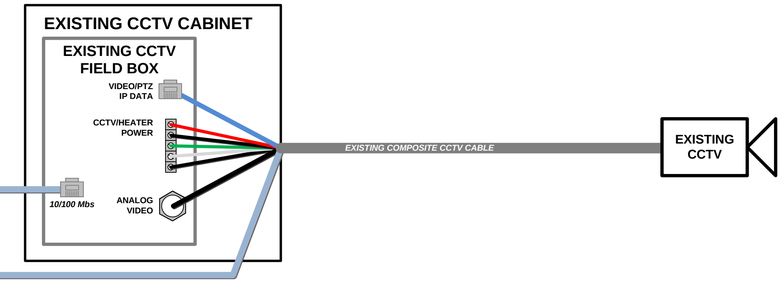
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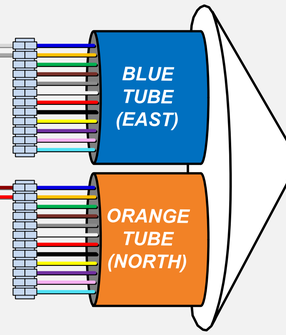
TRAFFIC SIGNAL CABINET ASSEMBLY

SWITCH	PORT	STATUS	DESTINATION	SHEET NO
1	5	EXISTING	EXISTING CONNECTION TO INT# SIG4255: PARSONS AVE. AT RATHMELL RD.	
1	6	PROPOSED	EXISTING COMMUNICATION NODE# 270052.7: HIGH ST. AT I-270	700

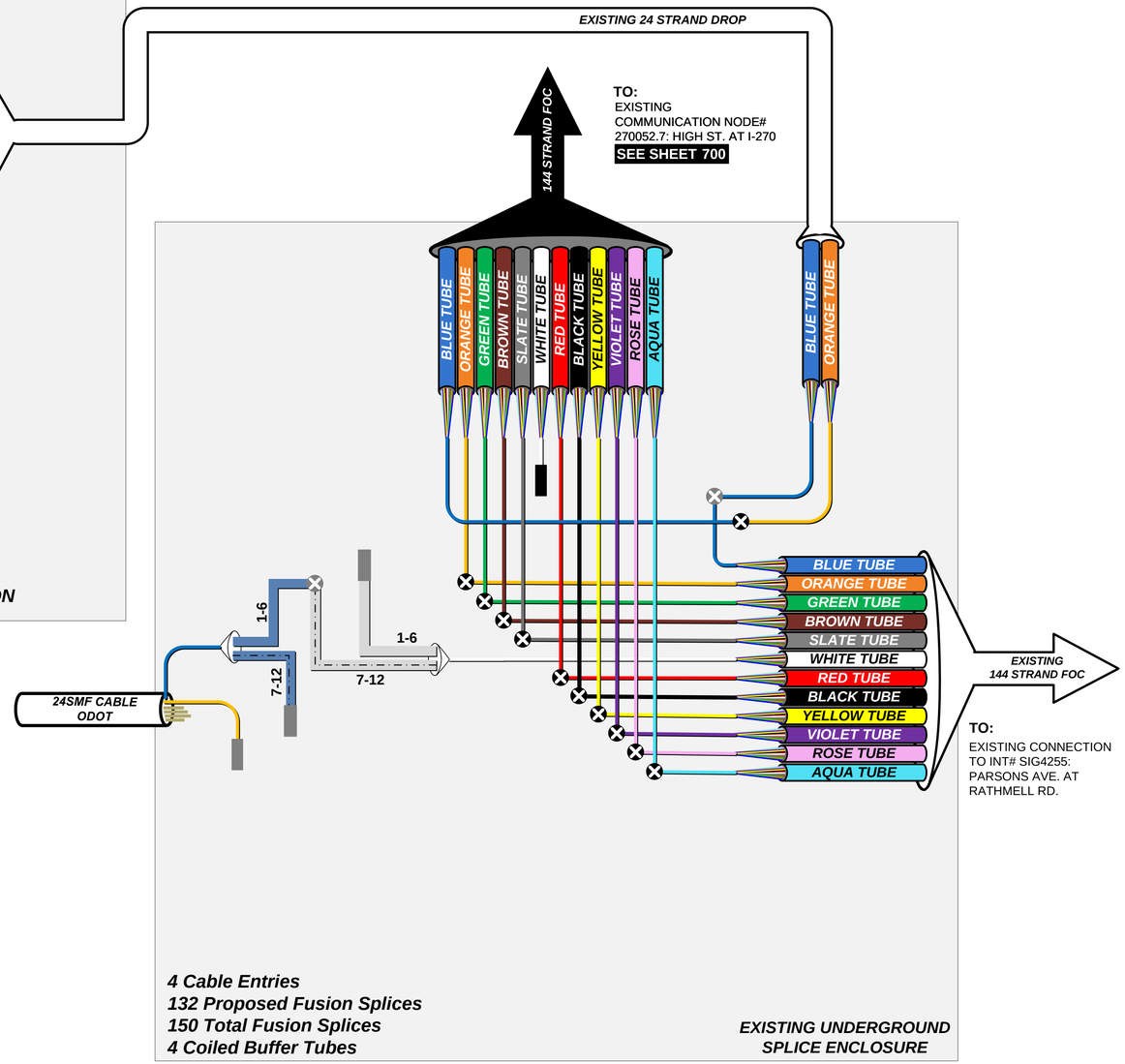








EXISTING PATCH PANEL ENCLOSURE – 24 TERMINATION



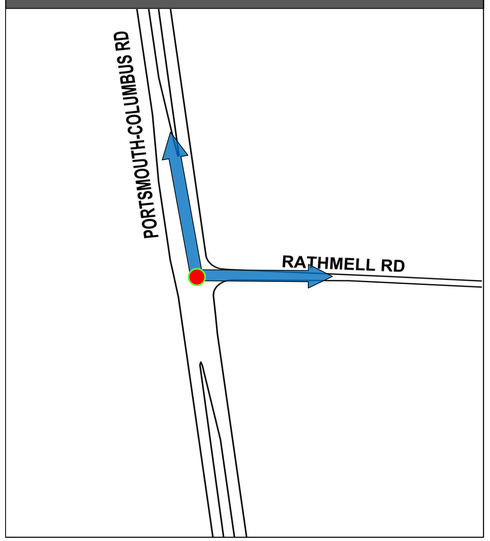
4 Cable Entries
132 Proposed Fusion Splices
150 Total Fusion Splices
4 Coiled Buffer Tubes

EXISTING UNDERGROUND SPLICE ENCLOSURE

LEGEND

- FIBER PATCH CABLES T/R STANDARD
- FIBER PATCH CABLES R/T CROSSOVER
- EXISTING FIBER PATCH CABLES
- OUTDOOR CAT 5E CABLE
- INDOOR CAT 5E CABLE
- CAT 5E CABLE TO BE REMOVED
- TERMINATION PANEL UPC (Blue)/APC (Green)
- EXISTING/PROPOSED FIBER OR BUFFER TUBE LEFT COILED IN SPLICE ENCLOSURE
- FUSION SPLICE – 6 FIBERS/ SINGLE FIBER
- FUSION SPLICE – 12 FIBER BUFFER TUBE
- EXISTING FUSION SPLICE – 12 FIBER BUFFER TUBE
- INTERSECTION LOCATION
- GBIC OPTICAL TRANSCEIVER LH - SHORT HAUL LED ZX – LONG HAUL LASER
- SFP/COPPER/CAT5/5E/6 CONNECTOR
- COPPER/CAT5/5E/6 CONNECTOR
- 144 STRAND SMF
- 288 STRAND SMF
- WIRELESS ETHERNET RADIO

KEY PLAN



INTERSECTION 2182

REFER TO SHEET 301 FOR CONSTRUCTION PLAN DETAILS
REFER TO SHEET 458 FOR COMM OVERVIEW DETAILS

CIP: 540007 - 100012
PID NUMBER: 99733

INT# 2182: HIGH ST. AT RATHMELL RD.
COMMUNICATIONS DIAGRAM

CITY OF COLUMBUS TRAFFIC SIGNAL SYSTEM
(CTSS) PHASE F – FINAL SUBMITTAL

\\colw00\pmwork\Jobs\70202 - CTSS Phase F\TECHPROD\Communications\Intersection Splicing Details\526-536.vsd - 2182 layout ~ last saved by: skoganti 6/1/2022 10:03:34 AM ~ printed: 6/1/2022 10:03:34 AM

TRAFFIC SIGNAL CABINET ASSEMBLY

SWITCH	PORT	STATUS	DESTINATION	SHEET NO
1	5	PROPOSED	INT# 3075: BROAD ST. AT JAMES RD.	538

EXISTING LAYER 2 ETHERNET SWITCH

Ports 1 2 3 4 5 6 7 8 (5: LH T R / ZX T R)

TRAFFIC SIGNAL CONTROLLER
Ex. Econolite ASC/3

EXISTING WIRELESS LINK TO:
(TO BE REMOVED)
INT# 3075: BROAD ST. AT JAMES RD.
SEE SHEET 538

BLUE TUBE (EAST)

ORANGE TUBE (WEST)

EXISTING 24 STRAND DROP

BLUE TUBE
ORANGE TUBE

BLUE TUBE	BLUE TUBE
ORANGE TUBE	ORANGE TUBE
GREEN TUBE	GREEN TUBE
BROWN TUBE	BROWN TUBE
SLATE TUBE	SLATE TUBE
WHITE TUBE	WHITE TUBE
RED TUBE	RED TUBE
BLACK TUBE	BLACK TUBE
YELLOW TUBE	YELLOW TUBE
VIOLET TUBE	VIOLET TUBE
ROSE TUBE	ROSE TUBE
AQUA TUBE	AQUA TUBE

EXISTING 144 STRAND FOC

TO:
COILED IN PULLBOX
STA 911+21, 34' RT

144 STRAND FOC

TO:
INT# 3075: BROAD ST. AT JAMES RD.
SEE SHEET 538

2 Cable Entries
156 Proposed Fusion Splices

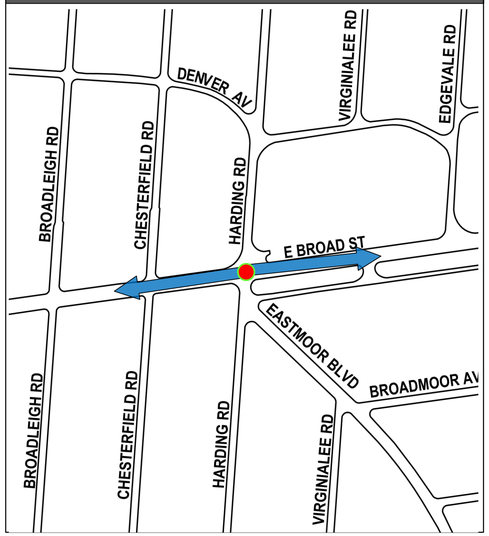
EXISTING UNDERGROUND SPLICE ENCLOSURE

EXISTING PATCH PANEL ENCLOSURE – 24 TERMINATION

LEGEND

- FIBER PATCH CABLES T/R STANDARD
- FIBER PATCH CABLES R/T CROSSOVER
- EXISTING FIBER PATCH CABLES
- OUTDOOR CAT 5E CABLE
- INDOOR CAT 5E CABLE
- CAT 5E CABLE TO BE REMOVED
- TERMINATION PANEL UPC (Blue)/APC (Green)
- EXISTING/PROPOSED FIBER OR BUFFER TUBE LEFT COILED IN SPLICE ENCLOSURE
- FUSION SPLICE – 6 FIBERS/ SINGLE FIBER
- FUSION SPLICE – 12 FIBER BUFFER TUBE
- EXISTING FUSION SPLICE – 12 FIBER BUFFER TUBE
- INTERSECTION LOCATION
- GBIC OPTICAL TRANSCEIVER LH - SHORT HAUL LED ZX – LONG HAUL LASER
- SFP/COPPER/CAT5/5E/6 CONNECTOR
- COPPER/CAT5/5E/6 CONNECTOR
- 144 STRAND SMF
- 288 STRAND SMF
- WIRELESS ETHERNET RADIO

KEY PLAN



NOTE:
REMOVE EXISTING WIRELESS TO INT# 3075: BROAD ST AT JAMES RD

INTERSECTION 3074

REFER TO SHEET 224 FOR CONSTRUCTION PLAN DETAILS
REFER TO SHEET 459 FOR COMM OVERVIEW DETAILS

CIP: 540007 - 100012
PID NUMBER: 99733

INT# 3074: BROAD ST. AT HARDING RD.
COMMUNICATIONS DIAGRAM

CITY OF COLUMBUS TRAFFIC SIGNAL SYSTEM
(CTSS) PHASE F – FINAL SUBMITTAL

537
768

\\colw00\pmwork\Jobs\70202 - CTSS Phase F\TECHPROD\Communications\Intersection Splicing Details\537-548.vsd - 3074 layout ~ last saved by: skoganti 6/1/2022 10:06:40 AM ~ printed: 6/1/2022 10:06:40 AM

TRAFFIC SIGNAL CABINET ASSEMBLY

SWITCH	PORT	STATUS	DESTINATION	SHEET NO
1	5	PROPOSED	INT# 3074: BROAD ST. AT HARDING RD.	537
1	6	EXISTING	EXISTING CONNECTION TO INT# 3076: BROAD ST. AT HAMPTON RD.	
1	7	EXISTING	EXISTING CONNECTION TO INT# 3114: JAMES RD. AT MARYLAND AVE.	
1	8	EXISTING	EXISTING CONNECTION TO INT# 2179: JAMES RD. AT FAIR AVE.	

EXISTING LAYER 2 ETHERNET SWITCH

Ports 1 2 3 4 5 6 7 8 (5 LH T R, 6 LH T R, 7 LH T R, 8 LH T R)

EXISTING CCTV

EXISTING WIRELESS LINK TO:
(TO BE REMOVED)
INT# 3074: BROAD ST. AT HARDING RD.
SEE SHEET 537

EXISTING COMPOSITE CCTV CABLE

TRAFFIC SIGNAL CONTROLLER
Ex. Econolite ASC/3

EXISTING CCTV CABINET

EXISTING CCTV FIELD BOX
VIDEO/PTZ IP DATA
CCTV/HEATER POWER
10/100 Mbs
ANALOG VIDEO

BLUE TUBE (NORTH)
ORANGE TUBE (SOUTH)
BLUE TUBE (EAST)
ORANGE TUBE (WEST)

EXISTING PATCH PANEL ENCLOSURE – 24 TERMINATION

EXISTING 24 STRAND DROP
EXISTING 24 STRAND DROP

EXISTING 144 STRAND FOC

TO:
INT# 3114: JAMES RD
AT MARYLAND AVE

BLUE TUBE
ORANGE TUBE
GREEN TUBE
BROWN TUBE
SLATE TUBE
WHITE TUBE
RED TUBE
BLACK TUBE
YELLOW TUBE
VIOLET TUBE
ROSE TUBE
AQUA TUBE

144 STRAND FOC

TO:
INT# 3074: BROAD ST. AT
HARDING RD.
SEE SHEET 537

EXISTING 144 STRAND FOC

TO:
INT# 3076: BROAD ST
AT HAMPTON RD

6 Cable Entries
144 Proposed Fusion Splices
312 Total Fusion Splices

EXISTING UNDERGROUND SPLICE ENCLOSURE

EXISTING 144 STRAND FOC

TO:
INT# 2179: JAMES RD
AT FAIR AVE

LEGEND

- FIBER PATCH CABLES T/R STANDARD
- FIBER PATCH CABLES R/T CROSSOVER
- EXISTING FIBER PATCH CABLES
- OUTDOOR CAT 5E CABLE
- INDOOR CAT 5E CABLE
- CAT 5E CABLE TO BE REMOVED
- TERMINATION PANEL UPC (Blue)/APC (Green)
- EXISTING/PROPOSED FIBER OR BUFFER TUBE LEFT COILED IN SPLICE ENCLOSURE
- FUSION SPLICE – 6 FIBERS/ SINGLE FIBER
- FUSION SPLICE – 12 FIBER BUFFER TUBE
- EXISTING FUSION SPLICE – 12 FIBER BUFFER TUBE
- INTERSECTION LOCATION
- GBIC OPTICAL TRANSCEIVER LH - SHORT HAUL LED ZX – LONG HAUL LASER
- SFP/COPPER/CAT5/5E/6 CONNECTOR
- COPPER/CAT5/5E/6 CONNECTOR
- 144 STRAND SMF
- 288 STRAND SMF
- WIRELESS ETHERNET RADIO

KEY PLAN



NOTE:
REMOVE EXISTING WIRELESS TO INT# 3074: BROAD ST AT HARDING RD

INTERSECTION 3075

REFER TO SHEET 225 FOR CONSTRUCTION PLAN DETAILS
REFER TO SHEET 459 FOR COMM OVERVIEW DETAILS

CIP: 540007 - 100012
PID NUMBER: 99733

INT# 3075: BROAD ST. AT JAMES RD.
COMMUNICATIONS DIAGRAM

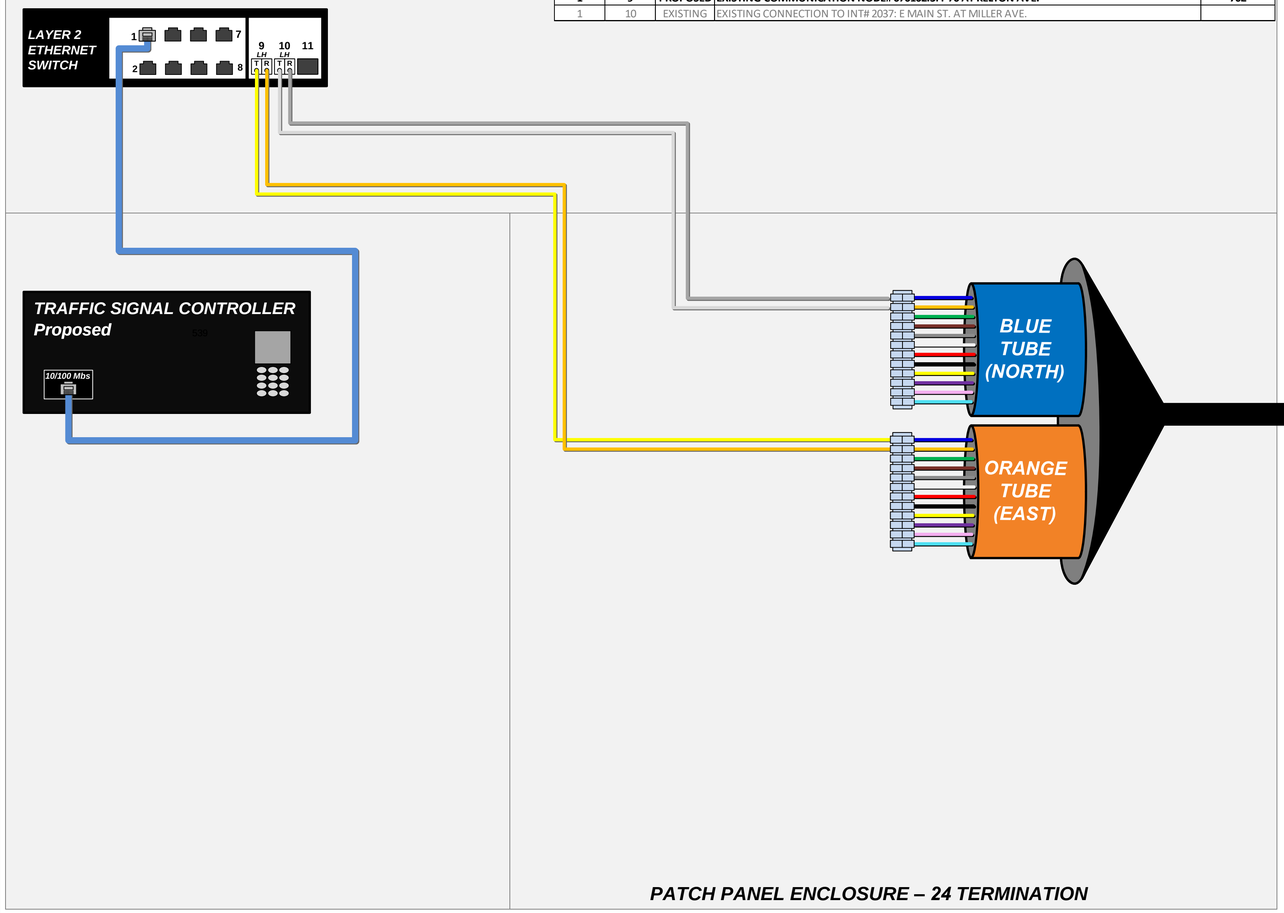
CITY OF COLUMBUS TRAFFIC SIGNAL SYSTEM
(CTSS) PHASE F – FINAL SUBMITTAL

538
768

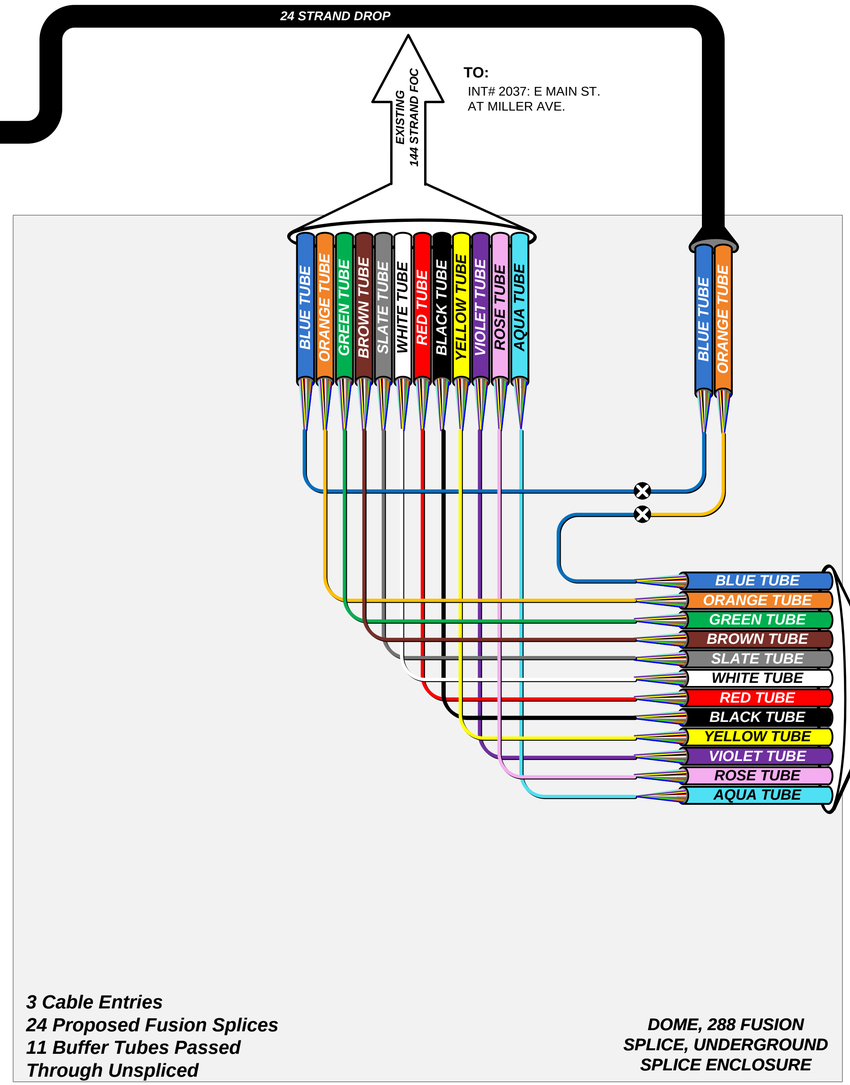
\\colw00\pnwork\Jobs\70202 - CTSS Phase F\TECHPROD\Communications\Intersection Splicing Details\537-548.vsd - 3075 layout ~ last saved by: skoganti 6/1/2022 10:06:40 AM ~ printed: 6/1/2022 10:06:40 AM

TRAFFIC SIGNAL CABINET ASSEMBLY

SWITCH	PORT	STATUS	DESTINATION	SHEET NO
1	9	PROPOSED	EXISTING COMMUNICATION NODE# 070102.3: I-70 AT KELTON AVE.	702
1	10	EXISTING	EXISTING CONNECTION TO INT# 2037: E MAIN ST. AT MILLER AVE.	



PATCH PANEL ENCLOSURE – 24 TERMINATION



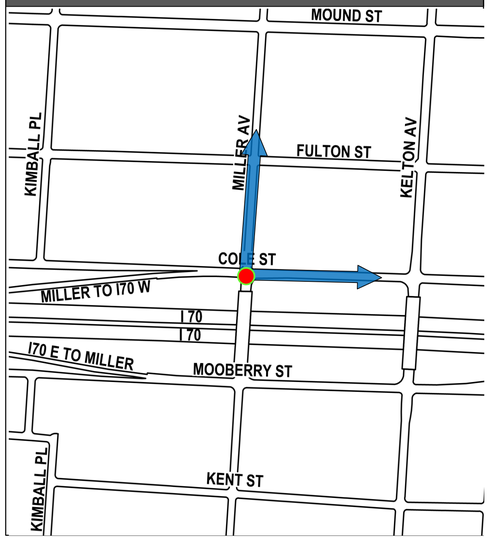
3 Cable Entries
24 Proposed Fusion Splices
11 Buffer Tubes Passed Through Unspliced

DOME, 288 FUSION SPLICE, UNDERGROUND SPLICE ENCLOSURE

LEGEND

- FIBER PATCH CABLES T/R STANDARD
- FIBER PATCH CABLES R/T CROSSOVER
- EXISTING FIBER PATCH CABLES
- OUTDOOR CAT 5E CABLE
- INDOOR CAT 5E CABLE
- CAT 5E CABLE TO BE REMOVED
- TERMINATION PANEL UPC (Blue)/APC (Green)
- EXISTING/PROPOSED FIBER OR BUFFER TUBE LEFT COILED IN SPLICE ENCLOSURE
- FUSION SPLICE – 6 FIBERS/ SINGLE FIBER
- FUSION SPLICE – 12 FIBER BUFFER TUBE
- EXISTING FUSION SPLICE – 12 FIBER BUFFER TUBE
- INTERSECTION LOCATION
- GBIC OPTICAL TRANSCEIVER LH - SHORT HAUL LED ZX – LONG HAUL LASER
- SFP/COPPER/CAT5/5E/6 CONNECTOR
- COPPER/CAT5/5E/6 CONNECTOR
- 144 STRAND SMF
- 288 STRAND SMF
- WIRELESS ETHERNET RADIO

KEY PLAN



INTERSECTION 2111

REFER TO SHEET 387 FOR CONSTRUCTION PLAN DETAILS
REFER TO SHEET 460 FOR COMM OVERVIEW DETAILS

CIP: 540007 - 100012
PID NUMBER: 99733

INT# 2111: COLE ST. AT MILLER AVE.
COMMUNICATIONS DIAGRAM

CITY OF COLUMBUS TRAFFIC SIGNAL SYSTEM
(CTSS) PHASE F – FINAL SUBMITTAL

539
768

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TRAFFIC SIGNAL CABINET ASSEMBLY

SWITCH	PORT	STATUS	DESTINATION	SHEET NO
1	2	EXISTING	INT# 2037: E. MAIN ST. AT MILLER AVE.	
1	5	REVISED	INT# 2115: KELTON AVE. AT MOOBERRY ST.	541

EXISTING WIRELESS LINK TO:
(TO BE REMOVED)
INT# 2037: E MAIN ST.
AT MILLER AVE.

EXISTING LAYER 2 ETHERNET SWITCH

Ports 1 2 3 4 5 6 7 8

TRAFFIC SIGNAL CONTROLLER
Ex. Econolite ASC/3

BLUE TUBE (EAST)

ORANGE TUBE (SPARE)

EXISTING 24 STRAND DROP

EXISTING PATCH PANEL ENCLOSURE – 24 TERMINATION

BLUE TUBE
ORANGE TUBE

BLUE TUBE
ORANGE TUBE
GREEN TUBE
BROWN TUBE
SLATE TUBE
WHITE TUBE
RED TUBE
BLACK TUBE
YELLOW TUBE
VIOLET TUBE
ROSE TUBE
AQUA TUBE

EXISTING 144 STRAND FOC

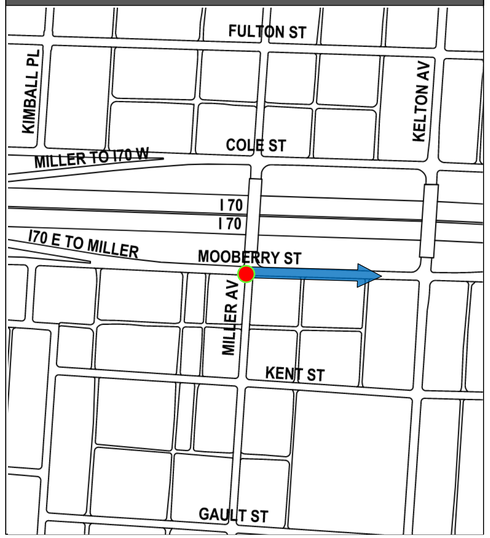
EXISTING AERIAL SPLICE ENCLOSURE

TO:
INT# 2115: KELTON AVE. AT MOOBERRY ST.
SEE SHEET 541

LEGEND

- FIBER PATCH CABLES T/R STANDARD
- FIBER PATCH CABLES R/T CROSSOVER
- EXISTING FIBER PATCH CABLES
- OUTDOOR CAT 5E CABLE
- INDOOR CAT 5E CABLE
- CAT 5E CABLE TO BE REMOVED
- TERMINATION PANEL UPC (Blue)/APC (Green)
- EXISTING/PROPOSED FIBER OR BUFFER TUBE LEFT COILED IN SPLICE ENCLOSURE
- FUSION SPLICE – 6 FIBERS/ SINGLE FIBER
- FUSION SPLICE – 12 FIBER BUFFER TUBE
- EXISTING FUSION SPLICE – 12 FIBER BUFFER TUBE
- INTERSECTION LOCATION
- GBIC OPTICAL TRANSCEIVER LH - SHORT HAUL LED ZX – LONG HAUL LASER
- SFP/COPPER/CAT5/5E/6 CONNECTOR
- COPPER/CAT5/5E/6 CONNECTOR
- 144 STRAND SMF
- 288 STRAND SMF
- WIRELESS ETHERNET RADIO

KEY PLAN



NOTE:
REMOVE EXISTING WIRELESS TO INT 2037: E MAIN ST. AT MILLER AVE.

INTERSECTION 2114

REFER TO SHEET 389 FOR CONSTRUCTION PLAN DETAILS
REFER TO SHEET 460 FOR COMM OVERVIEW DETAILS

CIP: 540007 - 100012
PID NUMBER: 99733

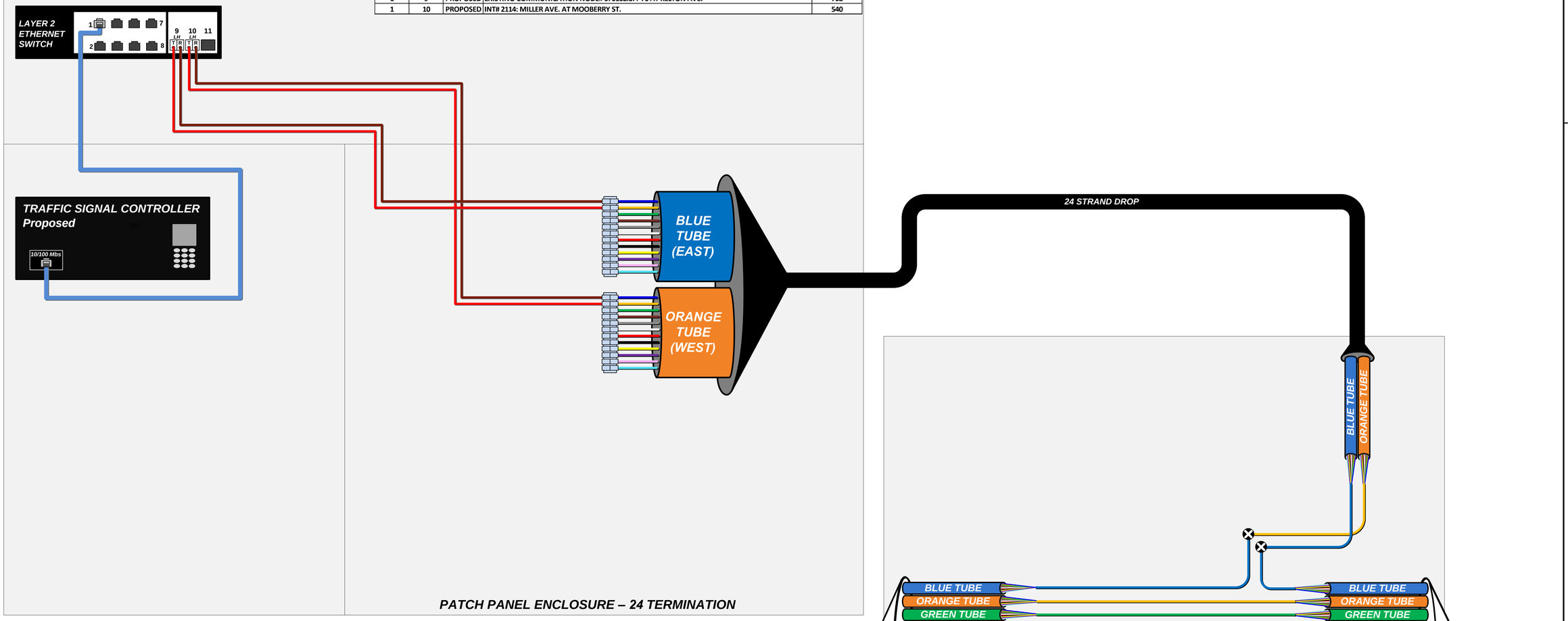
INT# 2114: MILLER AVE. AT MOOBERRY ST.
COMMUNICATIONS DIAGRAM

CITY OF COLUMBUS TRAFFIC SIGNAL SYSTEM
(CTSS) PHASE F – FINAL SUBMITTAL

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TRAFFIC SIGNAL CABINET ASSEMBLY

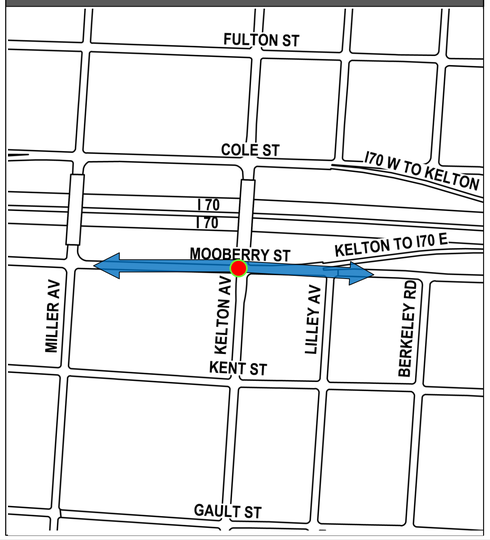
SWITCH	PORT	STATUS	DESTINATION	SHEET NO
1	9	PROPOSED	EXISTING COMMUNICATION NODE# 070102.3: I-70 AT KELTON AVE.	702
1	10	PROPOSED	INT# 2114: MILLER AVE. AT MOOBERRY ST.	540



LEGEND

- FIBER PATCH CABLES T/R STANDARD
- FIBER PATCH CABLES R/T CROSSOVER
- EXISTING FIBER PATCH CABLES
- OUTDOOR CAT 5E CABLE
- INDOOR CAT 5E CABLE
- CAT 5E CABLE TO BE REMOVED
- TERMINATION PANEL UPC (Blue)/APC (Green)
- EXISTING/PROPOSED FIBER OR BUFFER TUBE LEFT COILED IN SPLICE ENCLOSURE
- FUSION SPLICE – 6 FIBERS/ SINGLE FIBER
- FUSION SPLICE – 12 FIBER BUFFER TUBE
- EXISTING FUSION SPLICE – 12 FIBER BUFFER TUBE
- INTERSECTION LOCATION
- GBIC OPTICAL TRANSCEIVER LH - SHORT HAUL LED ZX – LONG HAUL LASER
- SFP/COPPER/CAT5/5E/6 CONNECTOR
- COPPER/CAT5/5E/6 CONNECTOR
- 144 STRAND SMF
- 288 STRAND SMF
- WIRELESS ETHERNET RADIO

KEY PLAN



INTERSECTION 2115

REFER TO SHEET 388 FOR CONSTRUCTION PLAN DETAILS
REFER TO SHEET 460 FOR COMM OVERVIEW DETAILS

CIP: 540007 - 100012
PID NUMBER: 99733

INT# 2115: KELTON AVE. AT MOOBERRY ST.
COMMUNICATIONS DIAGRAM

CITY OF COLUMBUS TRAFFIC SIGNAL SYSTEM
(CTSS) PHASE F – FINAL SUBMITTAL

541
768

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TRAFFIC SIGNAL CABINET ASSEMBLY

SWITCH	PORT	STATUS	DESTINATION	SHEET NO
1	5	EXISTING	EXISTING CONNECTION TO INT# 2103: MAIN ST. AT NELSON RD.	
1	**6**	**PROPOSED**	**INT# 2850: ALUM CREEK DR. AT HANFORD VILLAGE PARK**	**543**

EXISTING LAYER 2 ETHERNET SWITCH

Ports 1 2 3 4 5 6 7 8 (LH / LH)

TRAFFIC SIGNAL CONTROLLER
Ex. Econolite ASC/3

EXISTING COMPOSITE CCTV CABLE

EXISTING CCTV

BLUE TUBE (SOUTH)

ORANGE TUBE (WEST)

EXISTING 24 STRAND DROP

EXISTING CCTV CABINET

EXISTING CCTV FIELD BOX

VIDEO/PTZ IP DATA

CCTV/HEATER POWER

10/100 Mbs

ANALOG VIDEO

EXISTING PATCH PANEL ENCLOSURE – 24 TERMINATION

BLUE TUBE

ORANGE TUBE

EXISTING AERIAL SPLICE ENCLOSURE

EXISTING 144 STRAND FOC

TO:
INT# 2103: MAIN ST AT NELSON RD

BLUE TUBE
ORANGE TUBE
GREEN TUBE
BROWN TUBE
SLATE TUBE
WHITE TUBE
RED TUBE
BLACK TUBE
YELLOW TUBE
VIOLET TUBE
ROSE TUBE
AQUA TUBE

6

144 STRAND FOC

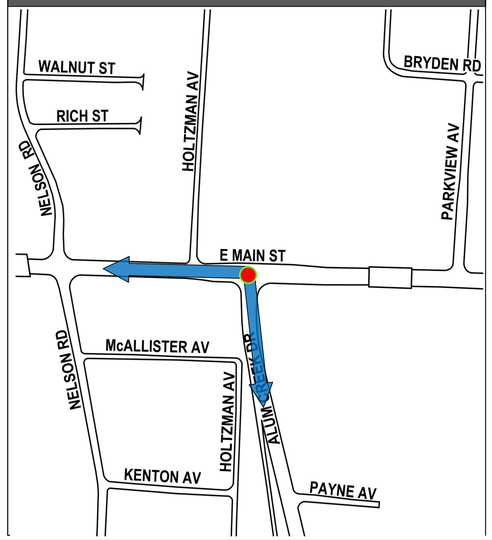
TO:
INT# 2850: ALUM CREEK DR. AT HANFORD VILLAGE PARK
SEE SHEET 543

3 Cable Entries
144 Proposed Fusion Splices
156 Total Fusion Splices

LEGEND

- FIBER PATCH CABLES T/R STANDARD
- FIBER PATCH CABLES R/T CROSSOVER
- EXISTING FIBER PATCH CABLES
- OUTDOOR CAT 5E CABLE
- INDOOR CAT 5E CABLE
- CAT 5E CABLE TO BE REMOVED
- TERMINATION PANEL UPC (Blue)/APC (Green)
- EXISTING/PROPOSED FIBER OR BUFFER TUBE LEFT COILED IN SPLICE ENCLOSURE
- FUSION SPLICE – 6 FIBERS/ SINGLE FIBER
- FUSION SPLICE – 12 FIBER BUFFER TUBE
- EXISTING FUSION SPLICE – 12 FIBER BUFFER TUBE
- INTERSECTION LOCATION
- GBIC OPTICAL TRANSCEIVER LH - SHORT HAUL LED ZX – LONG HAUL LASER
- SFP/COPPER/CAT5/5E/6 CONNECTOR
- COPPER/CAT5/5E/6 CONNECTOR
- 144 STRAND SMF
- 288 STRAND SMF
- WIRELESS ETHERNET RADIO

KEY PLAN



DRAFT REVISION 6.0

INTERSECTION 2104

REFER TO SHEET 342 FOR CONSTRUCTION PLAN DETAILS
REFER TO SHEET 460 FOR COMM OVERVIEW DETAILS

CIP: 540007 - 100012
PID NUMBER: 99733

INT# 2104: ALUM CREEK DR. AT MAIN ST.
COMMUNICATIONS DIAGRAM

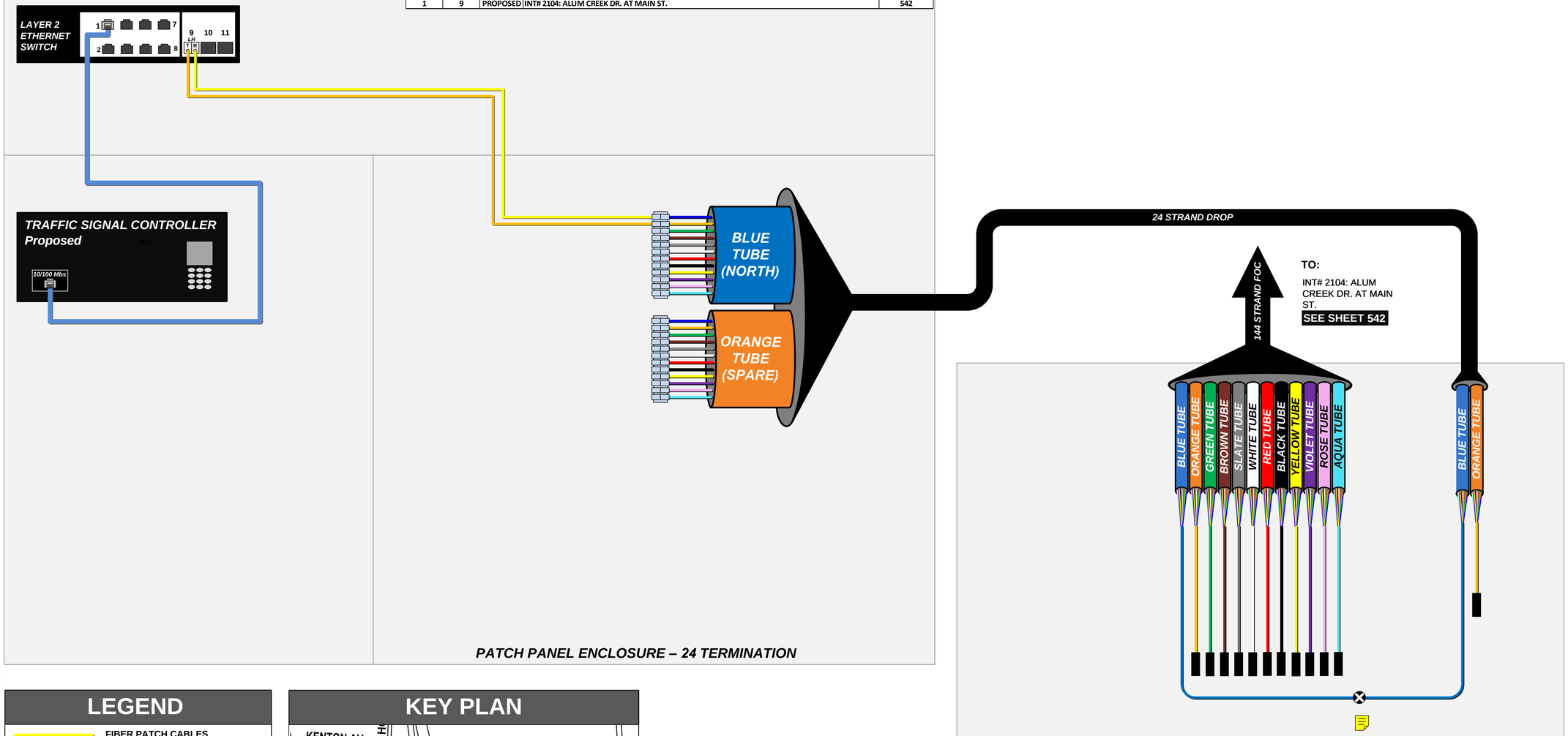
CITY OF COLUMBUS TRAFFIC SIGNAL SYSTEM
(CTSS) PHASE F – FINAL SUBMITTAL

542
768

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TRAFFIC SIGNAL CABINET ASSEMBLY

SWITCH	PORT	STATUS	DESTINATION	SHEET NO
1	9	PROPOSED	INT# 2104: ALUM CREEK DR. AT MAIN ST.	542



PATCH PANEL ENCLOSURE – 24 TERMINATION

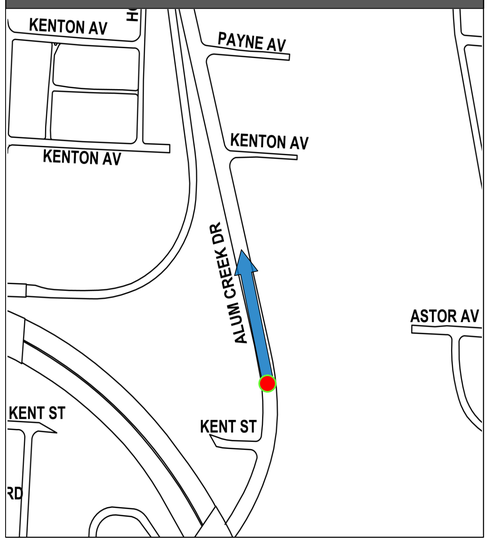
2 Cable Entries
12 Proposed Fusion Splices
12 Coiled Buffer Tubes

DOME, 288 FUSION SPLICE, UNDERGROUND SPLICE ENCLOSURE

LEGEND

- FIBER PATCH CABLES T/R STANDARD
- FIBER PATCH CABLES R/T CROSSOVER
- EXISTING FIBER PATCH CABLES
- OUTDOOR CAT 5E CABLE
- INDOOR CAT 5E CABLE
- CAT 5E CABLE TO BE REMOVED
- TERMINATION PANEL UPC (Blue)/APC (Green)
- EXISTING/PROPOSED FIBER OR BUFFER TUBE LEFT COILED IN SPLICE ENCLOSURE
- FUSION SPLICE – 6 FIBERS/ SINGLE FIBER
- FUSION SPLICE – 12 FIBER BUFFER TUBE
- EXISTING FUSION SPLICE – 12 FIBER BUFFER TUBE
- INTERSECTION LOCATION
- GBIC OPTICAL TRANSCEIVER LH - SHORT HAUL LED ZX – LONG HAUL LASER
- SFP/COPPER/CAT5/5E/6 CONNECTOR
- COPPER/CAT5/5E/6 CONNECTOR
- 144 STRAND SMF
- 288 STRAND SMF
- WIRELESS ETHERNET RADIO

KEY PLAN



INTERSECTION 2850

REFER TO SHEET 341 FOR CONSTRUCTION PLAN DETAILS
REFER TO SHEET 460 FOR COMM OVERVIEW DETAILS

CIP: 540007 - 100012
PID NUMBER: 99733

INT# 2850: ALUM CREEK DR. AT HANFORD VILLAGE PARK
COMMUNICATIONS DIAGRAM

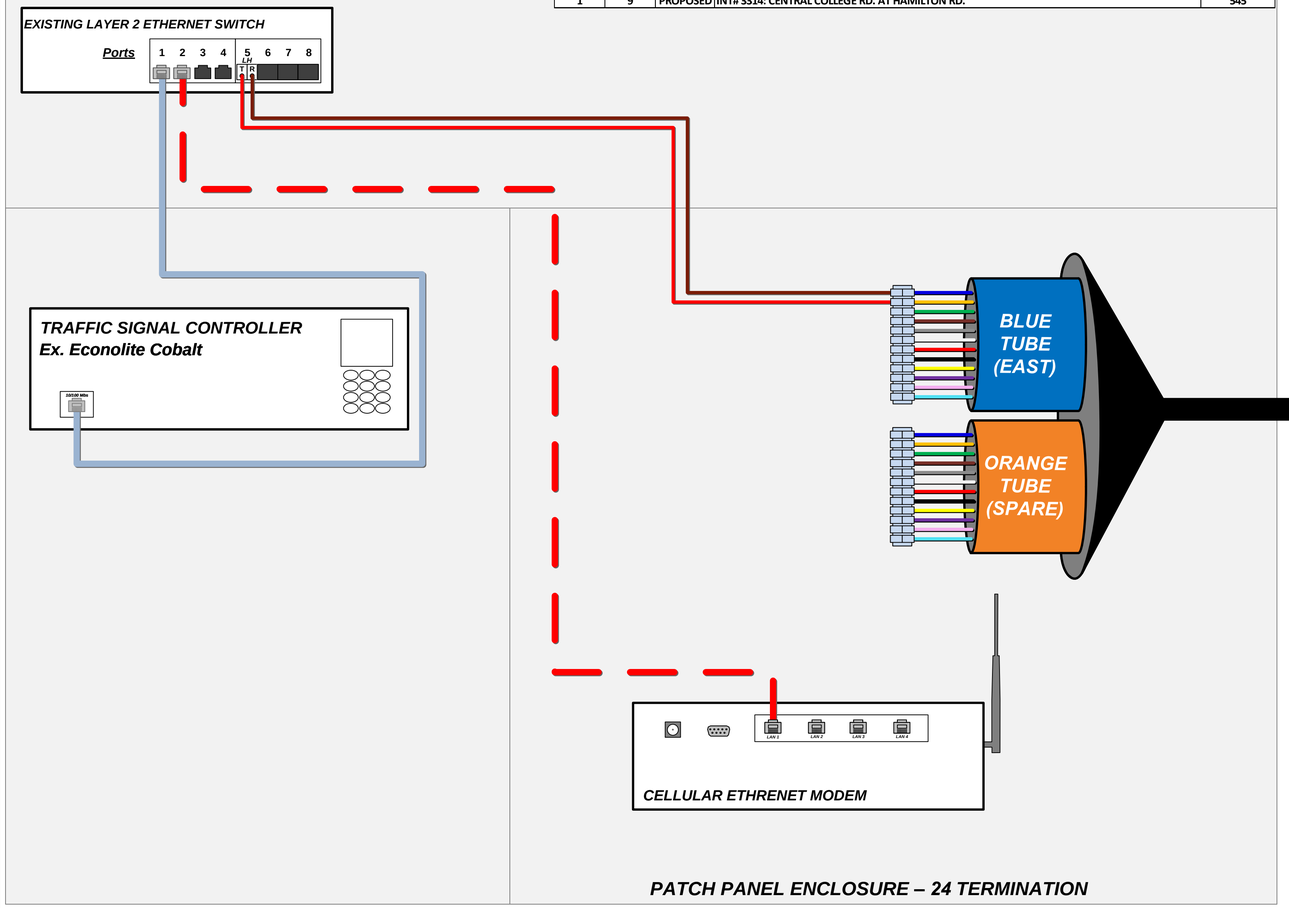
CITY OF COLUMBUS TRAFFIC SIGNAL SYSTEM
(CTSS) PHASE F – FINAL SUBMITTAL

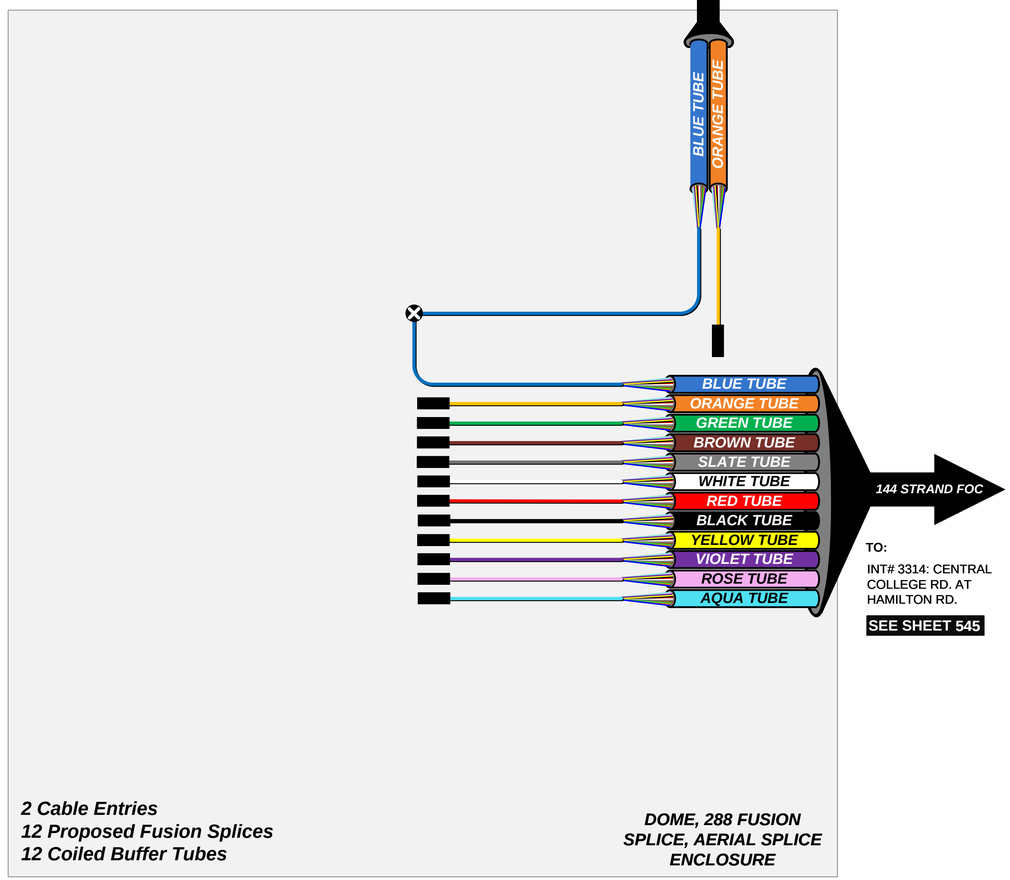
543
768

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TRAFFIC SIGNAL CABINET ASSEMBLY

SWITCH	PORT	STATUS	DESTINATION	SHEET NO
1	9	PROPOSED	INT# 3314: CENTRAL COLLEGE RD. AT HAMILTON RD.	545

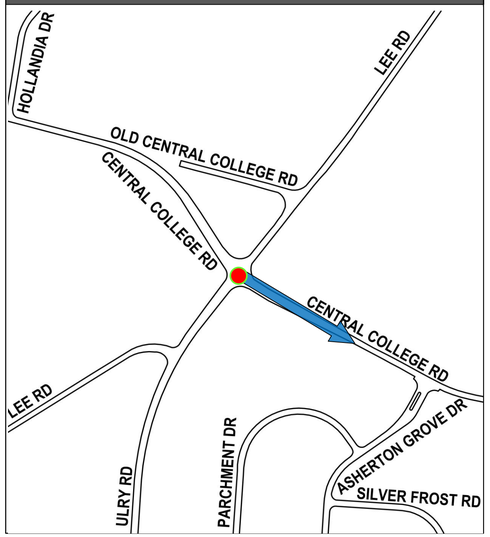




LEGEND

- FIBER PATCH CABLES T/R STANDARD
- FIBER PATCH CABLES R/T CROSSOVER
- EXISTING FIBER PATCH CABLES
- OUTDOOR CAT 5E CABLE
- INDOOR CAT 5E CABLE
- CAT 5E CABLE TO BE REMOVED
- TERMINATION PANEL UPC (Blue)/APC (Green)
- EXISTING/PROPOSED FIBER OR BUFFER TUBE LEFT COILED IN SPLICE ENCLOSURE
- FUSION SPLICE – 6 FIBERS/ SINGLE FIBER
- FUSION SPLICE – 12 FIBER BUFFER TUBE
- EXISTING FUSION SPLICE – 12 FIBER BUFFER TUBE
- INTERSECTION LOCATION
- GBIC OPTICAL TRANSCEIVER LH - SHORT HAUL LED ZX – LONG HAUL LASER
- SFP/COPPER/CAT5/5E/6 CONNECTOR
- COPPER/CAT5/5E/6 CONNECTOR
- 144 STRAND SMF
- 288 STRAND SMF
- WIRELESS ETHERNET RADIO

KEY PLAN



NOTE:
REMOVE EXISTING CELLULAR MODEM FROM SIGNAL CONTROL CABINET AND RETURN TO CITY.

INTERSECTION 3300

REFER TO SHEET 124 FOR CONSTRUCTION PLAN DETAILS
REFER TO SHEET 461 FOR COMM OVERVIEW DETAILS

CIP: 540007 - 100012
PID NUMBER: 99733

INT# 3300: CENTRAL COLLEGE RD. AT LEE RD. & ULRY RD.
COMMUNICATIONS DIAGRAM

CITY OF COLUMBUS TRAFFIC SIGNAL SYSTEM
(CTSS) PHASE F – FINAL SUBMITTAL

544
768

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TRAFFIC SIGNAL CABINET ASSEMBLY

SWITCH	PORT	STATUS	DESTINATION	SHEET NO
1	9	PROPOSED	INT# 3300: CENTRAL COLLEGE RD. AT LEE RD. & ULRY RD.	544
1	10	PROPOSED	INT# 3309: CENTRAL COLLEGE RD. AT HARLEM RD.	546
1	11	PROPOSED	EXISTING COMMUNICATION NODE# 161043.8: HAMILTON RD. AT SR-161 RAMPS	703

2

LAYER 2 ETHERNET SWITCH

1 2 7 8 9 LH 10 LH 11 LH T R T R T R

TRAFFIC SIGNAL CONTROLLER
Proposed
10/100 Mbs

BLUE TUBE (EAST)
ORANGE TUBE (WEST)
BLUE TUBE (SOUTH)
ORANGE TUBE (SPARE)

PATCH PANEL ENCLOSURE – (2) 24 TERMINATION

24 STRAND DROP
24 STRAND DROP

BLUE TUBE
ORANGE TUBE

BLUE TUBE
ORANGE TUBE
GREEN TUBE
BROWN TUBE
SLATE TUBE
WHITE TUBE
RED TUBE
BLACK TUBE
YELLOW TUBE
VIOLET TUBE
ROSE TUBE
AQUA TUBE

144 STRAND FOC

TO:
INT# 3300: CENTRAL COLLEGE RD. AT LEE RD. & ULRY RD.
SEE SHEET 544

144 STRAND FOC

TO:
INT# 3309: CENTRAL COLLEGE RD. AT HARLEM RD.
SEE SHEET 546

5 Cable Entries
168 Proposed Fusion Splices
2 Coiled Buffer Tubes

DOME, 800 FUSION SPLICE, AERIAL SPLICE ENCLOSURE

144 STRAND FOC

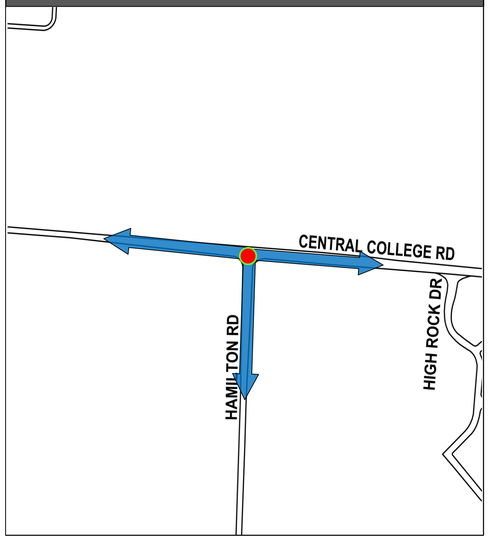
TO:
EXISTING COMMUNICATION NODE# 161043.8: HAMILTON RD. AT SR-161 RAMPS
SEE SHEET 704

2

LEGEND

- FIBER PATCH CABLES T/R STANDARD
- FIBER PATCH CABLES R/T CROSSOVER
- EXISTING FIBER PATCH CABLES
- OUTDOOR CAT 5E CABLE
- INDOOR CAT 5E CABLE
- CAT 5E CABLE TO BE REMOVED
- TERMINATION PANEL UPC (Blue)/APC (Green)
- EXISTING/PROPOSED FIBER OR BUFFER TUBE LEFT COILED IN SPLICE ENCLOSURE
- FUSION SPLICE – 6 FIBERS/ SINGLE FIBER
- FUSION SPLICE – 12 FIBER BUFFER TUBE
- EXISTING FUSION SPLICE – 12 FIBER BUFFER TUBE
- INTERSECTION LOCATION
- LH ZX T R T R GBIC OPTICAL TRANSCEIVER LH - SHORT HAUL LED ZX – LONG HAUL LASER
- SFP/COPPER/CAT5/5E/6 CONNECTOR
- COPPER/CAT5/5E/6 CONNECTOR
- 144 STRAND SMF
- 288 STRAND SMF
- WIRELESS ETHERNET RADIO

KEY PLAN



INTERSECTION 3314

REFER TO SHEET 129 FOR CONSTRUCTION PLAN DETAILS
REFER TO SHEET 461 FOR COMM OVERVIEW DETAILS

2 REVISION 2.0

CIP: 540007 - 100012
PID NUMBER: 99733

INT# 3314: CENTRAL COLLEGE RD. AT HAMILTON RD.
COMMUNICATIONS DIAGRAM

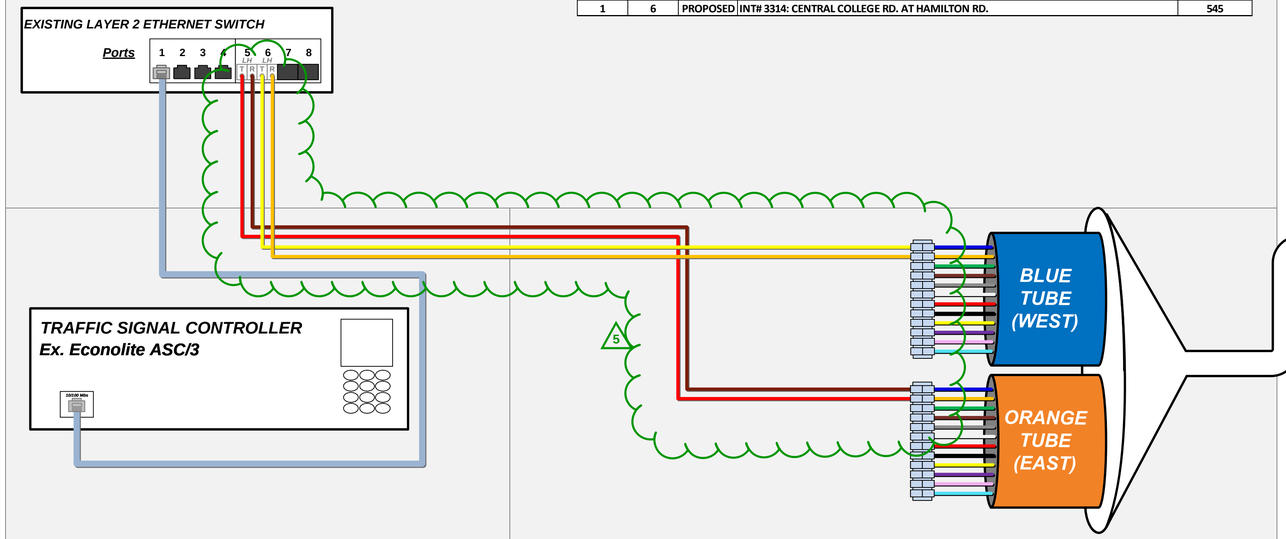
CITY OF COLUMBUS TRAFFIC SIGNAL SYSTEM
(CTSS) PHASE F – FINAL SUBMITTAL

545
768

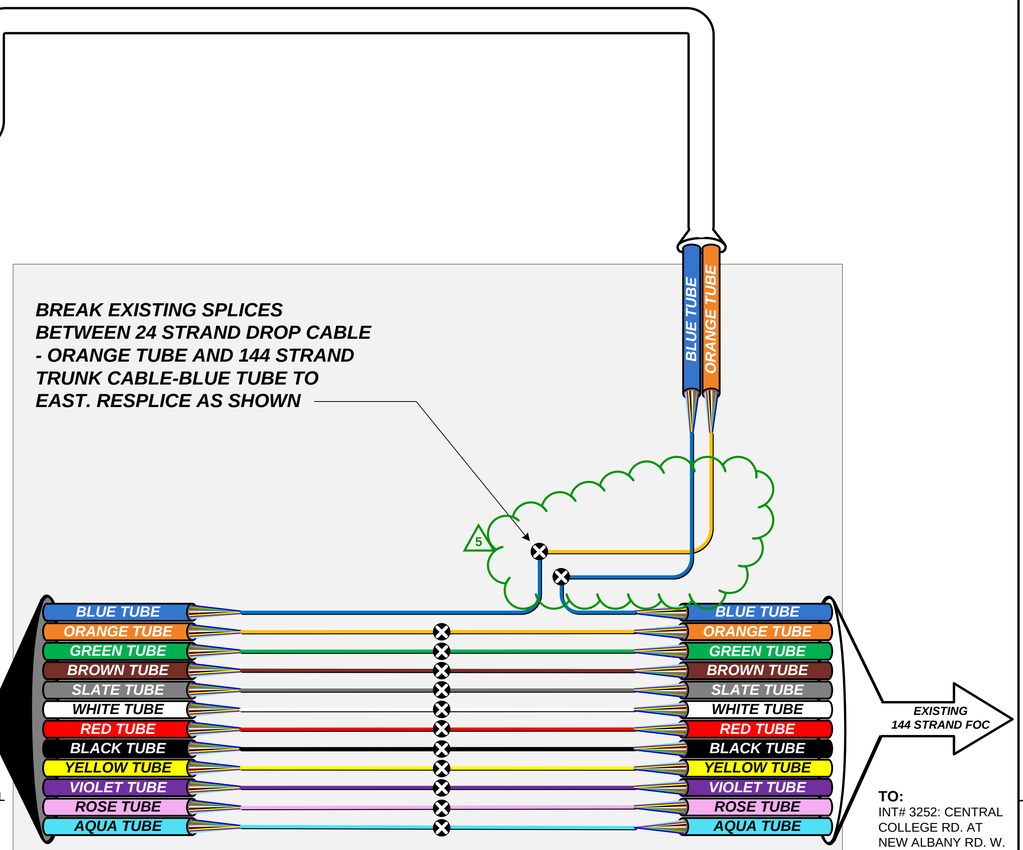
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TRAFFIC SIGNAL CABINET ASSEMBLY

SWITCH	PORT	STATUS	DESTINATION	SHEET NO
1	5	EXISTING	EXISTING CONNECTION TO INT# 3295: GIANT EAGLE AT NEW ALBANY RD. W.	
1	**6**	**PROPOSED**	**INT# 3314: CENTRAL COLLEGE RD. AT HAMILTON RD.**	**545**



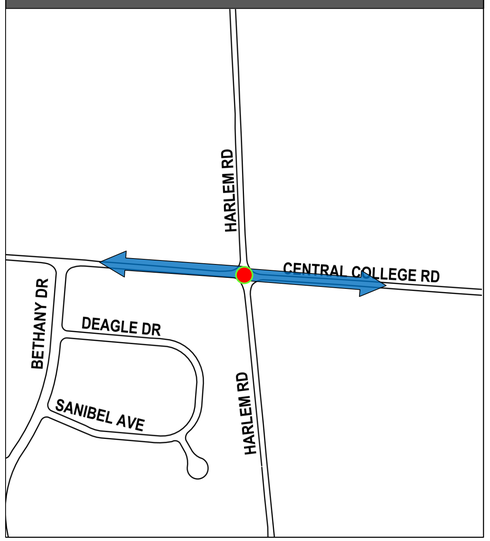
PATCH PANEL ENCLOSURE – 24 TERMINATION



LEGEND

- FIBER PATCH CABLES T/R STANDARD
- FIBER PATCH CABLES R/T CROSSOVER
- EXISTING FIBER PATCH CABLES
- OUTDOOR CAT 5E CABLE
- INDOOR CAT 5E CABLE
- CAT 5E CABLE TO BE REMOVED
- TERMINATION PANEL UPC (Blue)/APC (Green)
- EXISTING/PROPOSED FIBER OR BUFFER TUBE LEFT COILED IN SPLICE ENCLOSURE
- FUSION SPLICE – 6 FIBERS/ SINGLE FIBER
- FUSION SPLICE – 12 FIBER BUFFER TUBE
- EXISTING FUSION SPLICE – 12 FIBER BUFFER TUBE
- INTERSECTION LOCATION
- GBIC OPTICAL TRANSCEIVER LH - SHORT HAUL LED ZX – LONG HAUL LASER
- SFP/COPPER/CAT5/5E/6 CONNECTOR
- COPPER/CAT5/5E/6 CONNECTOR
- 144 STRAND SMF
- 288 STRAND SMF
- WIRELESS ETHERNET RADIO

KEY PLAN



5 DRAFT REVISION 5.0

INTERSECTION 3309

REFER TO SHEET 131 FOR CONSTRUCTION PLAN DETAILS
REFER TO SHEET 461 FOR COMM OVERVIEW DETAILS

CIP: 540007 - 100012
PID NUMBER: 99733

INT# 3309: CENTRAL COLLEGE RD. AT HARLEM RD.
COMMUNICATIONS DIAGRAM

CITY OF COLUMBUS TRAFFIC SIGNAL SYSTEM
(CTSS) PHASE F – FINAL SUBMITTAL

546
768

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EXISTING SIGNALIZED INTERSECTION TO BE REMOVED BY HAMILTON RD. PHASE 3 (SR-161 TO CENTRAL COLLEGE RD.) PROJECT

REVISION 2.0

CIP: 540007 - 100012
PID NUMBER: 99733

COMMUNICATIONS DIAGRAM

CITY OF COLUMBUS TRAFFIC SIGNAL SYSTEM
(CTSS) PHASE F – FINAL SUBMITTAL

547
768

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EXISTING SIGNALIZED INTERSECTION TO BE REMOVED BY HAMILTON RD. PHASE 3 (SR-161 TO CENTRAL COLLEGE RD.) PROJECT

CIP: 540007 - 100012
PID NUMBER: 99733

COMMUNICATIONS DIAGRAM

CITY OF COLUMBUS TRAFFIC SIGNAL SYSTEM
(CTSS) PHASE F – FINAL SUBMITTAL

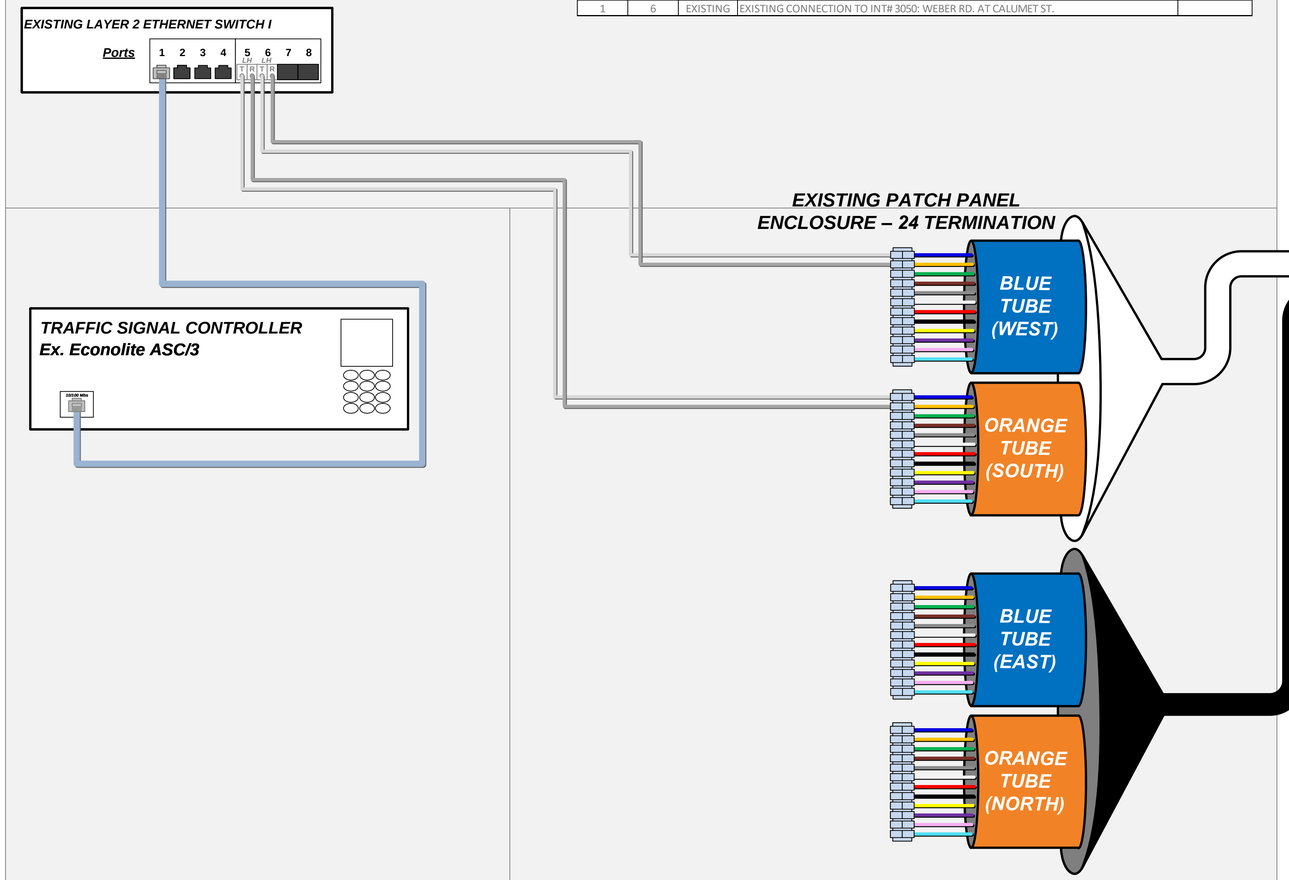
2 REVISION 2.0

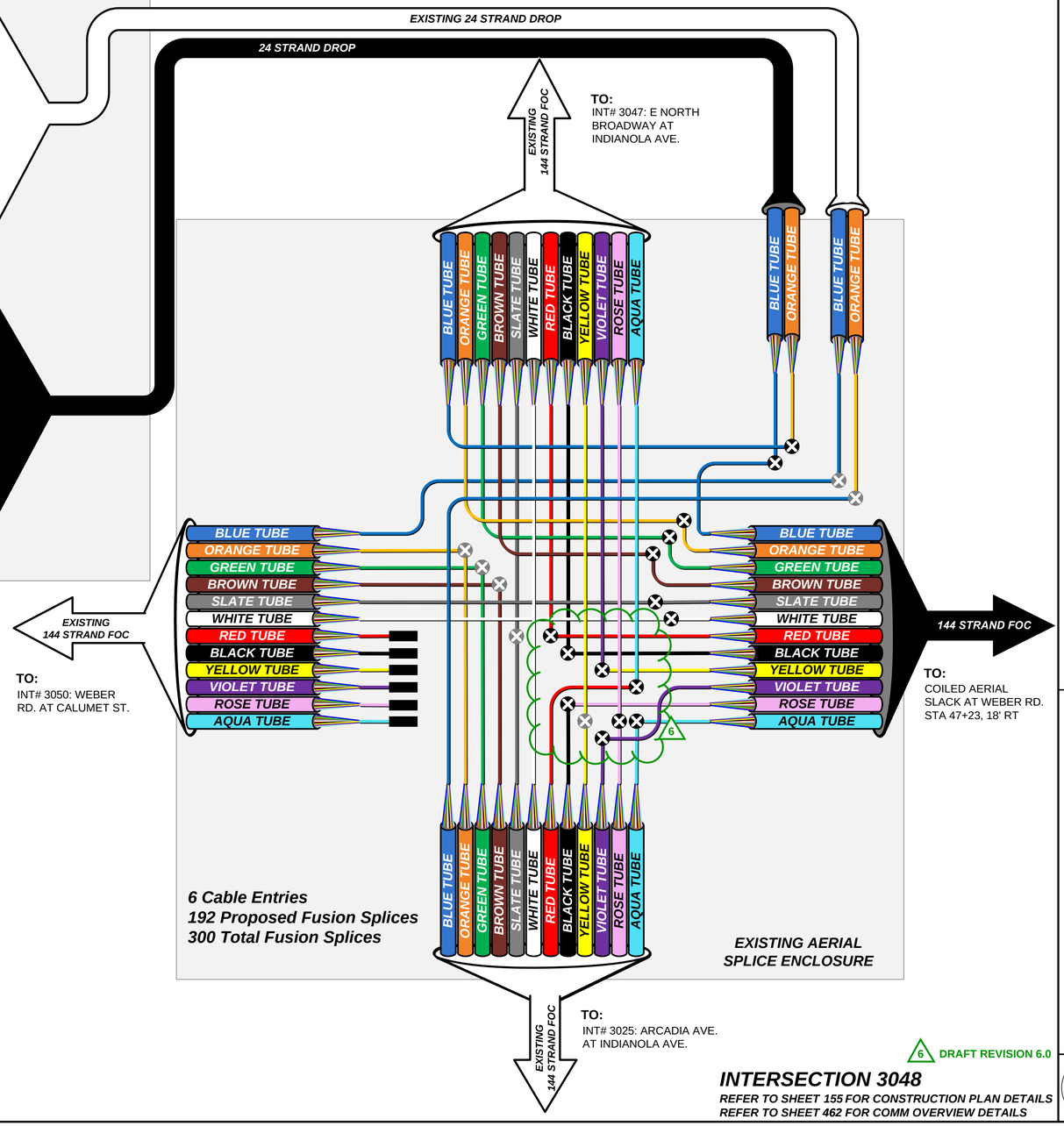
548
768

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TRAFFIC SIGNAL CABINET ASSEMBLY

SWITCH	PORT	STATUS	DESTINATION	SHEET NO
1	5	EXISTING	EXISTING CONNECTION TO INT# 3025: ARCADIA AVE. AT INDIANOLA AVE.	
1	6	EXISTING	EXISTING CONNECTION TO INT# 3050: WEBER RD. AT CALUMET ST.	

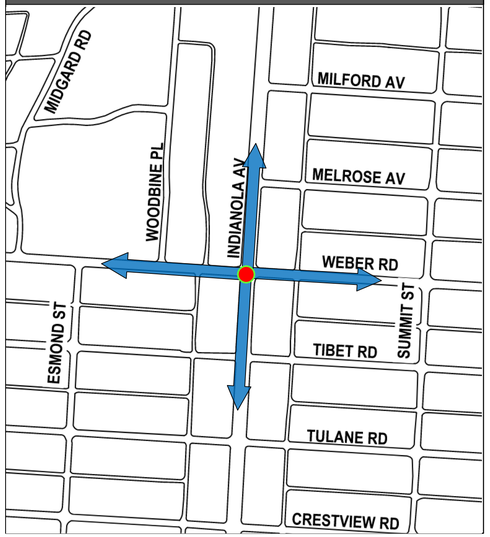




LEGEND

- FIBER PATCH CABLES T/R STANDARD
- FIBER PATCH CABLES R/T CROSSOVER
- EXISTING FIBER PATCH CABLES
- OUTDOOR CAT 5E CABLE
- INDOOR CAT 5E CABLE
- CAT 5E CABLE TO BE REMOVED
- TERMINATION PANEL UPC (Blue)/APC (Green)
- EXISTING/PROPOSED FIBER OR BUFFER TUBE LEFT COILED IN SPLICE ENCLOSURE
- FUSION SPLICE – 6 FIBERS/ SINGLE FIBER
- FUSION SPLICE – 12 FIBER BUFFER TUBE
- EXISTING FUSION SPLICE – 12 FIBER BUFFER TUBE
- INTERSECTION LOCATION
- GBIC OPTICAL TRANSCEIVER LH - SHORT HAUL LED ZX – LONG HAUL LASER
- SFP/COPPER/CAT5/5E/6 CONNECTOR
- COPPER/CAT5/5E/6 CONNECTOR
- 144 STRAND SMF
- 288 STRAND SMF
- WIRELESS ETHERNET RADIO

KEY PLAN



6 DRAFT REVISION 6.0

INTERSECTION 3048

REFER TO SHEET 155 FOR CONSTRUCTION PLAN DETAILS
REFER TO SHEET 462 FOR COMM OVERVIEW DETAILS

CIP: 540007 - 100012
PID NUMBER: 99733

INT# 3048: INDIANOLA AVE. AT WEBER RD.
COMMUNICATIONS DIAGRAM

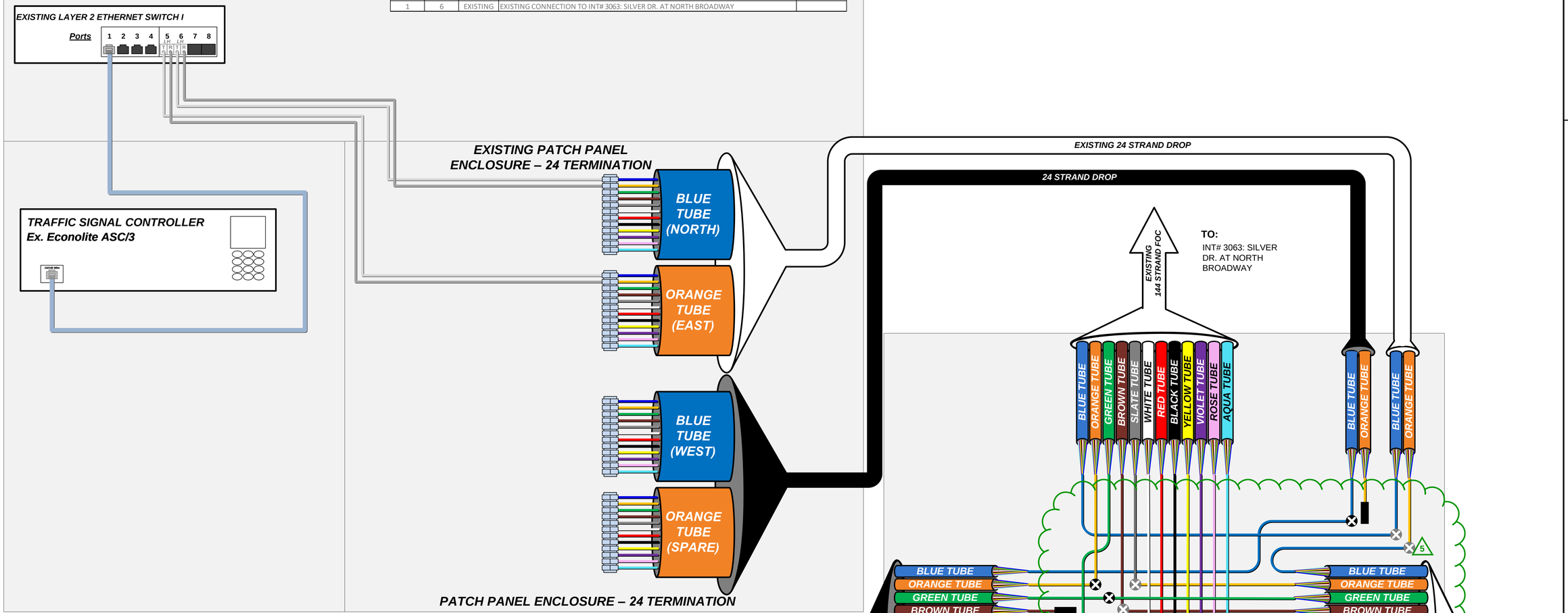
CITY OF COLUMBUS TRAFFIC SIGNAL SYSTEM
(CTSS) PHASE F – FINAL SUBMITTAL

549
768

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TRAFFIC SIGNAL CABINET ASSEMBLY

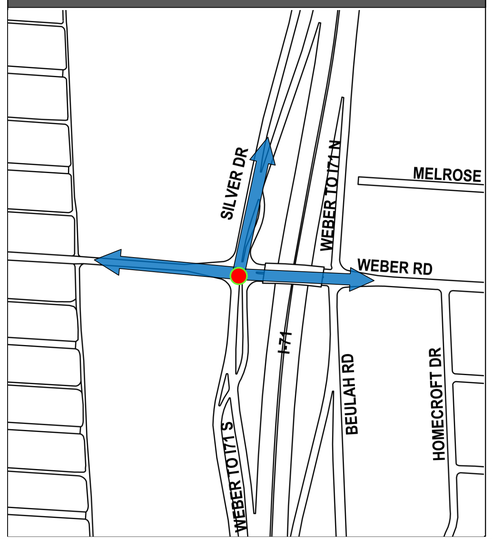
SWITCH	PORT	STATUS	DESTINATION	SHEET NO
1	5	EXISTING	EXISTING CONNECTION TO INT# 3066: I-71 NB RAMPS AT WEBER RD.	
1	6	EXISTING	EXISTING CONNECTION TO INT# 3063: SILVER DR. AT NORTH BROADWAY	



LEGEND

- FIBER PATCH CABLES T/R STANDARD
- FIBER PATCH CABLES R/T CROSSOVER
- EXISTING FIBER PATCH CABLES
- OUTDOOR CAT 5E CABLE
- INDOOR CAT 5E CABLE
- CAT 5E CABLE TO BE REMOVED
- TERMINATION PANEL UPC (Blue)/APC (Green)
- EXISTING/PROPOSED FIBER OR BUFFER TUBE LEFT COILED IN SPLICE ENCLOSURE
- FUSION SPLICE – 6 FIBERS/ SINGLE FIBER
- FUSION SPLICE – 12 FIBER BUFFER TUBE
- EXISTING FUSION SPLICE – 12 FIBER BUFFER TUBE
- INTERSECTION LOCATION
- GBIC OPTICAL TRANSCEIVER LH - SHORT HAUL LED ZX – LONG HAUL LASER
- SFP/COPPER/CAT5/5E/6 CONNECTOR
- COPPER/CAT5/5E/6 CONNECTOR
- 144 STRAND SMF
- 288 STRAND SMF
- WIRELESS ETHERNET RADIO

KEY PLAN



5 DRAFT REVISION 5.0

INTERSECTION 3065

REFER TO SHEET 156 FOR CONSTRUCTION PLAN DETAILS
REFER TO SHEET 462 FOR COMM OVERVIEW DETAILS

CIP: 540007 - 100012
PID NUMBER: 99733

INT# 3065: SILVER DR. AT WEBER RD.
COMMUNICATIONS DIAGRAM

CITY OF COLUMBUS TRAFFIC SIGNAL SYSTEM
(CTSS) PHASE F – FINAL SUBMITTAL

550
768

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TRAFFIC SIGNAL CABINET ASSEMBLY

EXISTING LAYER 2 ETHERNET SWITCH I

Ports 1 2 3 4 5 LH 6 LH 7 LH 8

EXISTING LAYER 2 ETHERNET SWITCH II

Ports 1 2 3 4 5 LH 6 LH 7 8

EXISTING CCTV FIELD BOX

VIDEO/PTZ IP DATA

CCTV/HEATER POWER

10/100 Mbs

ANALOG VIDEO

RSU

Power WPS WPS LAN1 LAN2 LAN3 LAN4 Reset USB1 USB2 WLAN WPS Power

EXISTING COMPOSITE CCTV CABLE

EXISTING CCTV

EXISTING WIRELESS LINK TO:
(TO BE REMOVED)
INT# 3201: THORNAPPLE RD. AT WESTERVILLE RD.
SEE SHEET 552

TRAFFIC SIGNAL CONTROLLER
Ex. Econolite Cobalt

10/100 Mbs

CV APPLICATION MODULE
10/100 Mbs POE

EXISTING PATCH PANEL ENCLOSURE – (3) - 24 TERMINATION

BLUE TUBE (EAST)

ORANGE TUBE (WEST)

BLUE TUBE (NORTH)

ORANGE TUBE (SPARE)

BLUE TUBE (EAST)

ORANGE TUBE (WEST)

EXISTING 24 STRAND DROP

EXISTING 24 STRAND DROP

144 STRAND FOC

TO:
INT# 3201: THORNAPPLE RD. AT WESTERVILLE RD.
SEE SHEET 552

BLUE TUBE
ORANGE TUBE
GREEN TUBE
BROWN TUBE
SLATE TUBE
WHITE TUBE
RED TUBE
BLACK TUBE
YELLOW TUBE
VIOLET TUBE
ROSE TUBE
AQUA TUBE

BLUE TUBE
ORANGE TUBE

BLUE TUBE
ORANGE TUBE

EXISTING 24 STRAND DROP

EXISTING 144 STRAND FOC

TO:
INT# 3290: CHESFORD RD AT MORSE RD

BLUE TUBE
ORANGE TUBE
GREEN TUBE
BROWN TUBE
SLATE TUBE
WHITE TUBE
RED TUBE
BLACK TUBE
YELLOW TUBE
VIOLET TUBE
ROSE TUBE
AQUA TUBE

12

EXISTING 144 STRAND FOC

TO:
INT# 3209: MORSE RD AT SUNBURY RD

BLUE TUBE
ORANGE TUBE

12

6 Cable Entries
48 Proposed Fusion Splices
96 Total Fusion Splices
10 Coiled Buffer Tubes
6 Buffer Tubes Passed Through Unspliced

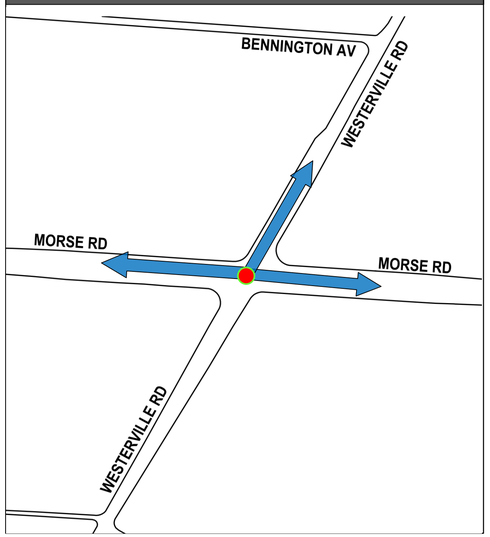
DOME, 800 FUSION SPLICE, AERIAL SPLICE ENCLOSURE

SWITCH	PORT	STATUS	DESTINATION	SHEET NO
1	5	EXISTING	EXISTING CONNECTION TO INT# 3290: CHESFORD RD. AT MORSE RD.	
1	6	EXISTING	EXISTING CONNECTION TO PEDESTRIAN BEACON AT MORSE RD.	
1	**7**	**PROPOSED**	**INT# 3201: THORNAPPLE RD. AT WESTERVILLE RD.**	**552**
2	5	EXISTING	EXISTING CONNECTION TO INT# 3290: CHESFORD RD. AT MORSE RD.	

LEGEND

- FIBER PATCH CABLES T/R STANDARD
- FIBER PATCH CABLES R/T CROSSOVER
- EXISTING FIBER PATCH CABLES
- OUTDOOR CAT 5E CABLE
- INDOOR CAT 5E CABLE
- CAT 5E CABLE TO BE REMOVED
- TERMINATION PANEL UPC (Blue)/APC (Green)
- EXISTING/PROPOSED FIBER OR BUFFER TUBE LEFT COILED IN SPLICE ENCLOSURE
- FUSION SPLICE – 6 FIBERS/ SINGLE FIBER
- FUSION SPLICE – 12 FIBER BUFFER TUBE
- EXISTING FUSION SPLICE – 12 FIBER BUFFER TUBE
- INTERSECTION LOCATION
- LH ZX GBIC OPTICAL TRANSCEIVER LH - SHORT HAUL LED ZX – LONG HAUL LASER
- SFP/COPPER/CAT5/5E/6 CONNECTOR
- COPPER/CAT5/5E/6 CONNECTOR
- 144 STRAND SMF
- 288 STRAND SMF
- WIRELESS ETHERNET RADIO

KEY PLAN



NOTE:
REMOVE EXISTING WIRELESS TO INT# 3201: THORNAPPLE RD. AT WESTERVILLE RD.

12 DRAFT REVISION 12.0

INTERSECTION 3291

REFER TO SHEET 158 FOR CONSTRUCTION PLAN DETAILS
REFER TO SHEET 463 FOR COMM OVERVIEW DETAILS

CIP: 540007 - 100012
PID NUMBER: 99733

INT# 3291: MORSE RD. AT WESTERVILLE RD.
COMMUNICATIONS DIAGRAM

CITY OF COLUMBUS TRAFFIC SIGNAL SYSTEM
(CTSS) PHASE F – FINAL SUBMITTAL

551
768

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TRAFFIC SIGNAL CABINET ASSEMBLY

SWITCH	PORT	STATUS	DESTINATION	SHEET NO
1	9	PROPOSED	INT# 3291: MORSE RD. AT WESTERVILLE RD.	551

EXISTING LAYER 2 ETHERNET SWITCH I

Ports 1 2 3 4 5 6 7 8 (5: LH T R / ZX T R)

EXISTING WIRELESS LINK TO:
(TO BE REMOVED)
INT# 3291: MORSE RD.
AT WESTERVILLE RD.
SEE SHEET 551

TRAFFIC SIGNAL CONTROLLER
Ex. Econolite ASC/3

BLUE TUBE (SOUTH)

ORANGE TUBE (SPARE)

24 STRAND DROP

PATCH PANEL ENCLOSURE – 24 TERMINATION

BLUE TUBE

ORANGE TUBE

2 Cable Entries
12 Proposed Fusion Splices
12 Coiled Buffer Tubes

BLUE TUBE
ORANGE TUBE
GREEN TUBE
BROWN TUBE
SLATE TUBE
WHITE TUBE
RED TUBE
BLACK TUBE
YELLOW TUBE
VIOLET TUBE
ROSE TUBE
AQUA TUBE

DOME, 288 FUSION SPLICE, AERIAL SPLICE ENCLOSURE

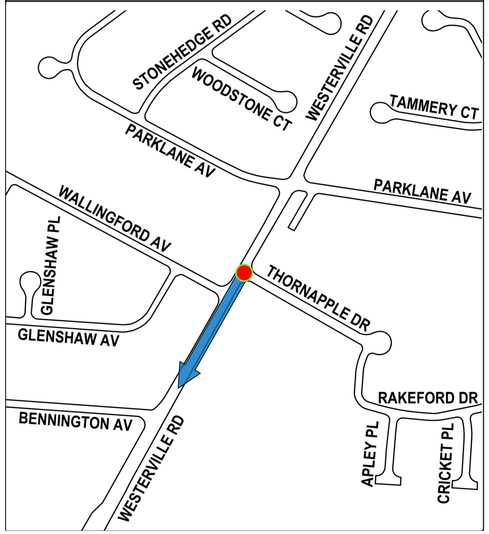
144 STRAND FOC

TO:
INT# 3291: MORSE RD.
AT WESTERVILLE RD.
SEE SHEET 551

LEGEND

- FIBER PATCH CABLES T/R STANDARD
- FIBER PATCH CABLES R/T CROSSOVER
- EXISTING FIBER PATCH CABLES
- OUTDOOR CAT 5E CABLE
- INDOOR CAT 5E CABLE
- CAT 5E CABLE TO BE REMOVED
- TERMINATION PANEL UPC (Blue)/APC (Green)
- EXISTING/PROPOSED FIBER OR BUFFER TUBE LEFT COILED IN SPLICE ENCLOSURE
- FUSION SPLICE – 6 FIBERS/ SINGLE FIBER
- FUSION SPLICE – 12 FIBER BUFFER TUBE
- EXISTING FUSION SPLICE – 12 FIBER BUFFER TUBE
- INTERSECTION LOCATION
- GBIC OPTICAL TRANSCEIVER LH - SHORT HAUL LED ZX – LONG HAUL LASER
- SFP/COPPER/CAT5/5E/6 CONNECTOR
- COPPER/CAT5/5E/6 CONNECTOR
- 144 STRAND SMF
- 288 STRAND SMF
- WIRELESS ETHERNET RADIO

KEY PLAN



NOTE:
REMOVE EXISTING WIRELESS TO INT# 3291: MORSE RD. AT WESTERVILLE RD.

INTERSECTION 3201

REFER TO SHEET 159 FOR CONSTRUCTION PLAN DETAILS
REFER TO SHEET 463 FOR COMM OVERVIEW DETAILS

CIP: 540007 - 100012
PID NUMBER: 99733

INT# 3201: THORNAPPLE RD. AT WESTERVILLE RD.
COMMUNICATIONS DIAGRAM

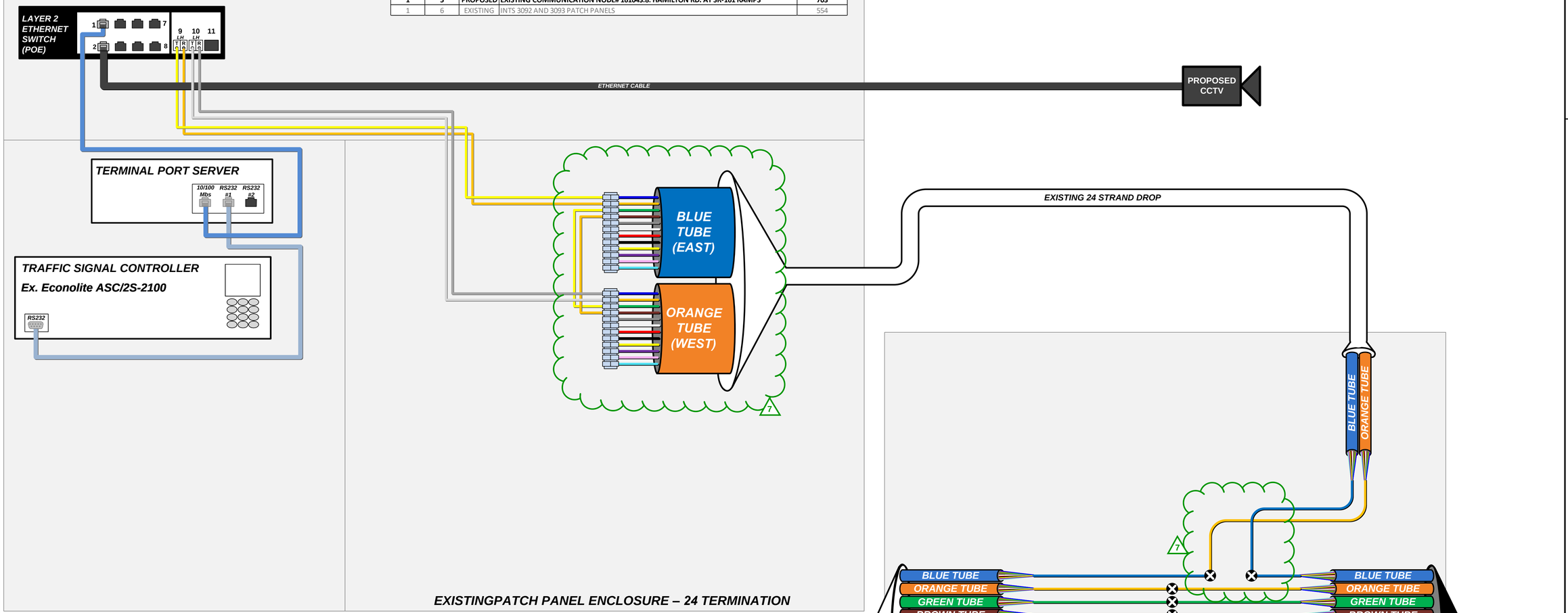
CITY OF COLUMBUS TRAFFIC SIGNAL SYSTEM
(CTSS) PHASE F – FINAL SUBMITTAL

552
768

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TRAFFIC SIGNAL CABINET ASSEMBLY

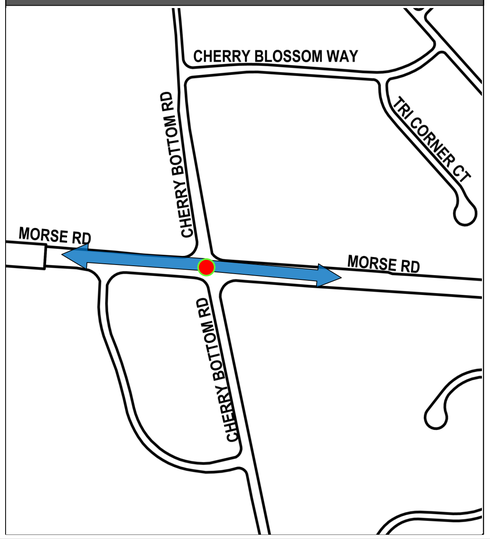
SWITCH	PORT	STATUS	DESTINATION	SHEET NO
1	5	PROPOSED	EXISTING COMMUNICATION NODE# 161043.8: HAMILTON RD. AT SR-161 RAMPS	703
1	6	EXISTING	INTS 3092 AND 3093 PATCH PANELS	554



LEGEND

- FIBER PATCH CABLES T/R STANDARD
- FIBER PATCH CABLES R/T CROSSOVER
- EXISTING FIBER PATCH CABLES
- OUTDOOR CAT 5E CABLE
- INDOOR CAT 5E CABLE
- CAT 5E CABLE TO BE REMOVED
- TERMINATION PANEL UPC (Blue)/APC (Green)
- EXISTING/PROPOSED FIBER OR BUFFER TUBE LEFT COILED IN SPLICE ENCLOSURE
- FUSION SPLICE – 6 FIBERS/ SINGLE FIBER
- FUSION SPLICE – 12 FIBER BUFFER TUBE
- EXISTING FUSION SPLICE – 12 FIBER BUFFER TUBE
- INTERSECTION LOCATION
- GBIC OPTICAL TRANSCEIVER LH - SHORT HAUL LED ZX – LONG HAUL LASER
- SFP/COPPER/CAT5/5E/6 CONNECTOR
- COPPER/CAT5/5E/6 CONNECTOR
- 144 STRAND SMF
- 288 STRAND SMF
- WIRELESS ETHERNET RADIO

KEY PLAN



7 DRAFT REVISION 7.0

INTERSECTION 3164

REFER TO SHEET 165 FOR CONSTRUCTION PLAN DETAILS
REFER TO SHEET 463 FOR COMM OVERVIEW DETAILS

CIP: 540007 - 100012
PID NUMBER: 99733

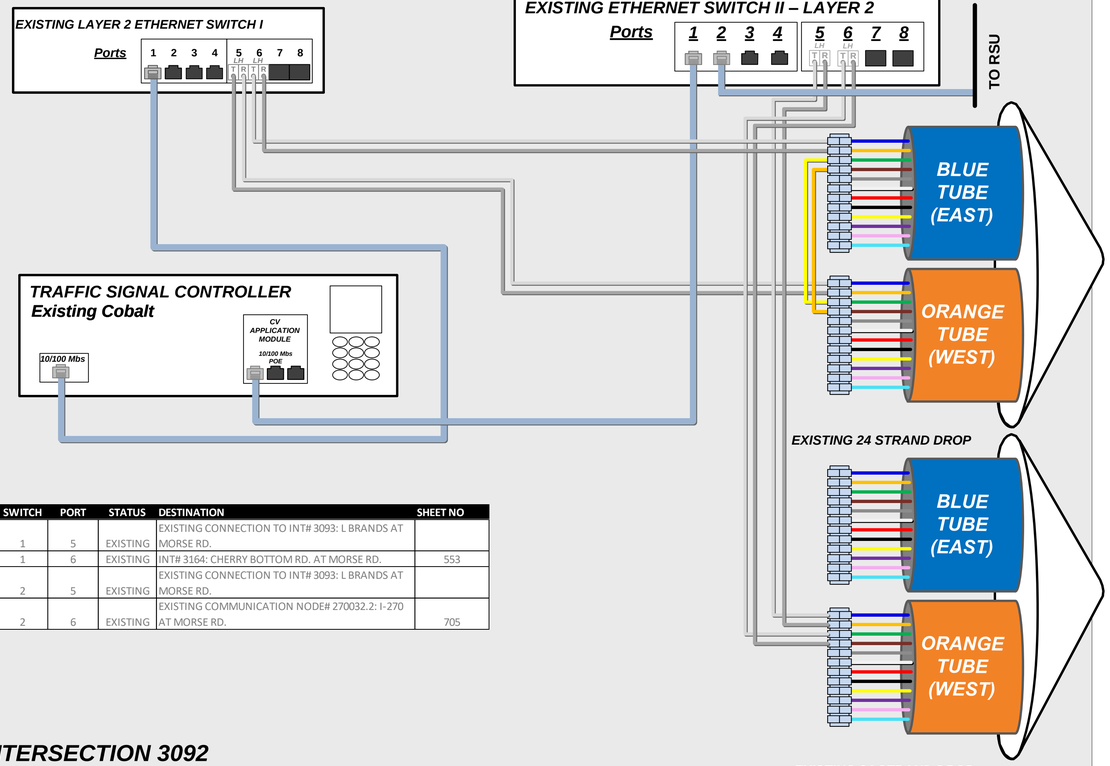
INT# 3164: CHERRY BOTTOM RD. AT MORSE RD.
COMMUNICATIONS DIAGRAM

CITY OF COLUMBUS TRAFFIC SIGNAL SYSTEM
(CTSS) PHASE F – FINAL SUBMITTAL

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\\colw00\pmwork\Jobs\70202 - CTSS Phase F\TECHPROD\Communications\Intersection Splicing Details\549-569.vsd - 3092, 3093 layout -- last saved by: skoganti 6/1/2022 10:12:24 AM -- printed: 6/1/2022 10:12:24 AM

TRAFFIC SIGNAL CABINET ASSEMBLY



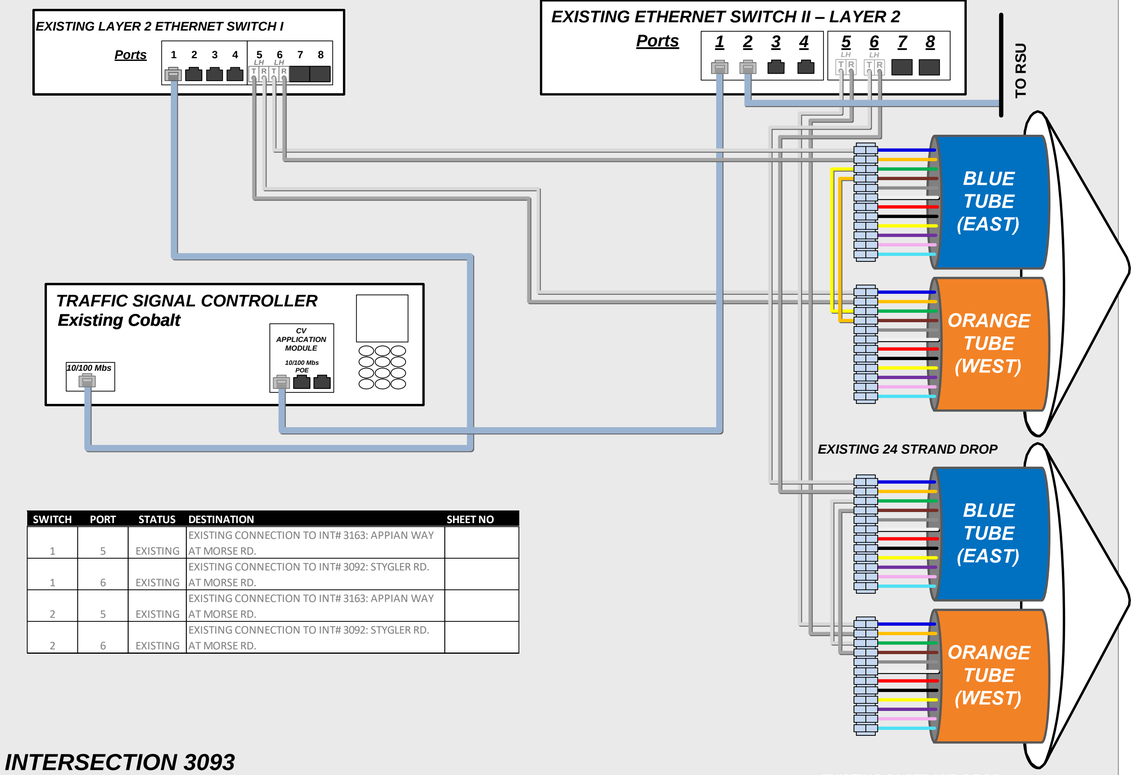
SWITCH	PORT	STATUS	DESTINATION	SHEET NO
1	5	EXISTING	EXISTING CONNECTION TO INT# 3093: L BRANDS AT MORSE RD.	
1	6	EXISTING	INT# 3164: CHERRY BOTTOM RD. AT MORSE RD.	553
2	5	EXISTING	EXISTING CONNECTION TO INT# 3093: L BRANDS AT MORSE RD.	
2	6	EXISTING	EXISTING COMMUNICATION NODE# 270032.2: I-270 AT MORSE RD.	705

INTERSECTION 3092

STYGLER RD. AT MORSE RD.
REFER TO SHEET 165 FOR CONSTRUCTION PLAN DETAILS
REFER TO SHEET 463 FOR COMM OVERVIEW DETAILS

EXISTING PATCH PANEL ENCLOSURE – 24 TERMINATION

TRAFFIC SIGNAL CABINET ASSEMBLY



SWITCH	PORT	STATUS	DESTINATION	SHEET NO
1	5	EXISTING	EXISTING CONNECTION TO INT# 3163: APPIAN WAY AT MORSE RD.	
1	6	EXISTING	EXISTING CONNECTION TO INT# 3092: STYGLER RD. AT MORSE RD.	
2	5	EXISTING	EXISTING CONNECTION TO INT# 3163: APPIAN WAY AT MORSE RD.	
2	6	EXISTING	EXISTING CONNECTION TO INT# 3092: STYGLER RD. AT MORSE RD.	

INTERSECTION 3093

L BRANDS AT MORSE RD.
REFER TO SHEET 165 FOR CONSTRUCTION PLAN DETAILS
REFER TO SHEET 463 FOR COMM OVERVIEW DETAILS

EXISTING PATCH PANEL ENCLOSURE – 24 TERMINATION

LEGEND

- FIBER PATCH CABLES T/R STANDARD
- FIBER PATCH CABLES R/T CROSSOVER
- EXISTING FIBER PATCH CABLES
- OUTDOOR CAT 5E CABLE
- INDOOR CAT 5E CABLE
- CAT 5E CABLE TO BE REMOVED
- TERMINATION PANEL UPC (Blue)/APC (Green)
- EXISTING/PROPOSED FIBER OR BUFFER TUBE LEFT COILED IN SPLICE ENCLOSURE
- FUSION SPLICE – 6 FIBERS/ SINGLE FIBER
- FUSION SPLICE – 12 FIBER BUFFER TUBE
- EXISTING FUSION SPLICE – 12 FIBER BUFFER TUBE
- INTERSECTION LOCATION
- GBIC OPTICAL TRANSCEIVER LH - SHORT HAUL LED ZX – LONG HAUL LASER
- SFP/COPPER/CAT5/5E/6 CONNECTOR
- COPPER/CAT5/5E/6 CONNECTOR
- 144 STRAND SMF
- 288 STRAND SMF
- WIRELESS ETHERNET RADIO

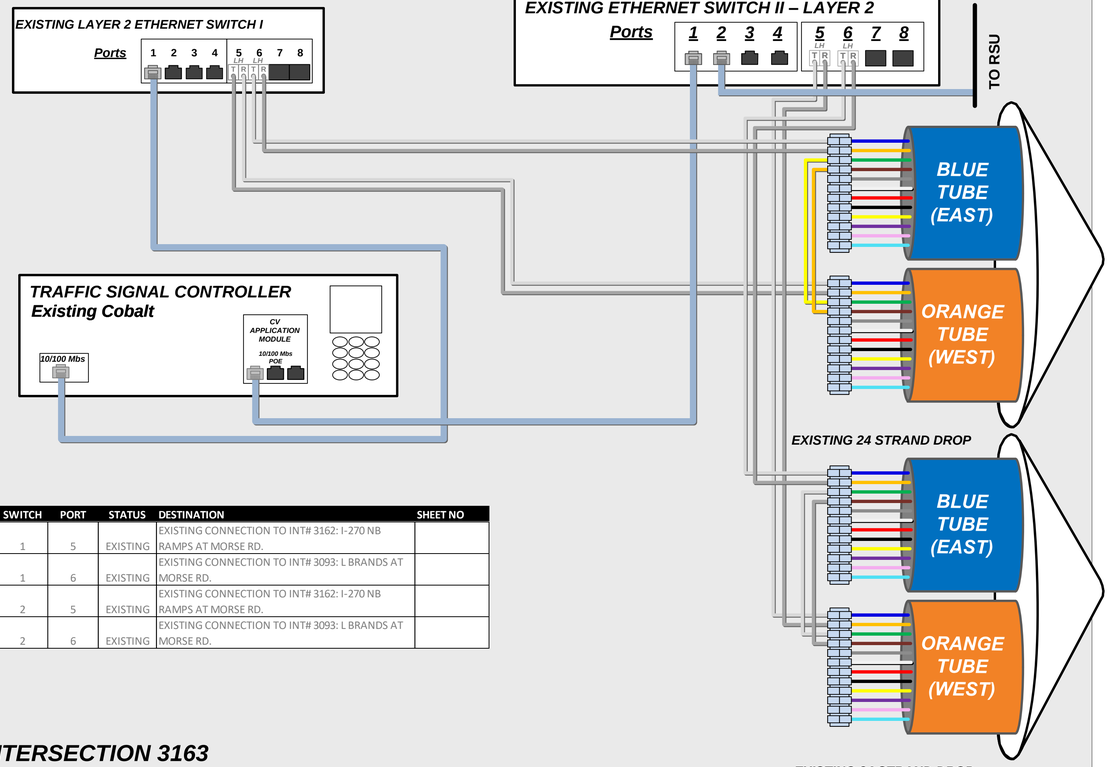
CIP: 540007 - 100012
PID NUMBER: 99733

INTS 3092 AND 3093 PATCH PANELS
COMMUNICATIONS DIAGRAM

CITY OF COLUMBUS TRAFFIC SIGNAL SYSTEM
(CTSS) PHASE F – FINAL SUBMITTAL

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TRAFFIC SIGNAL CABINET ASSEMBLY



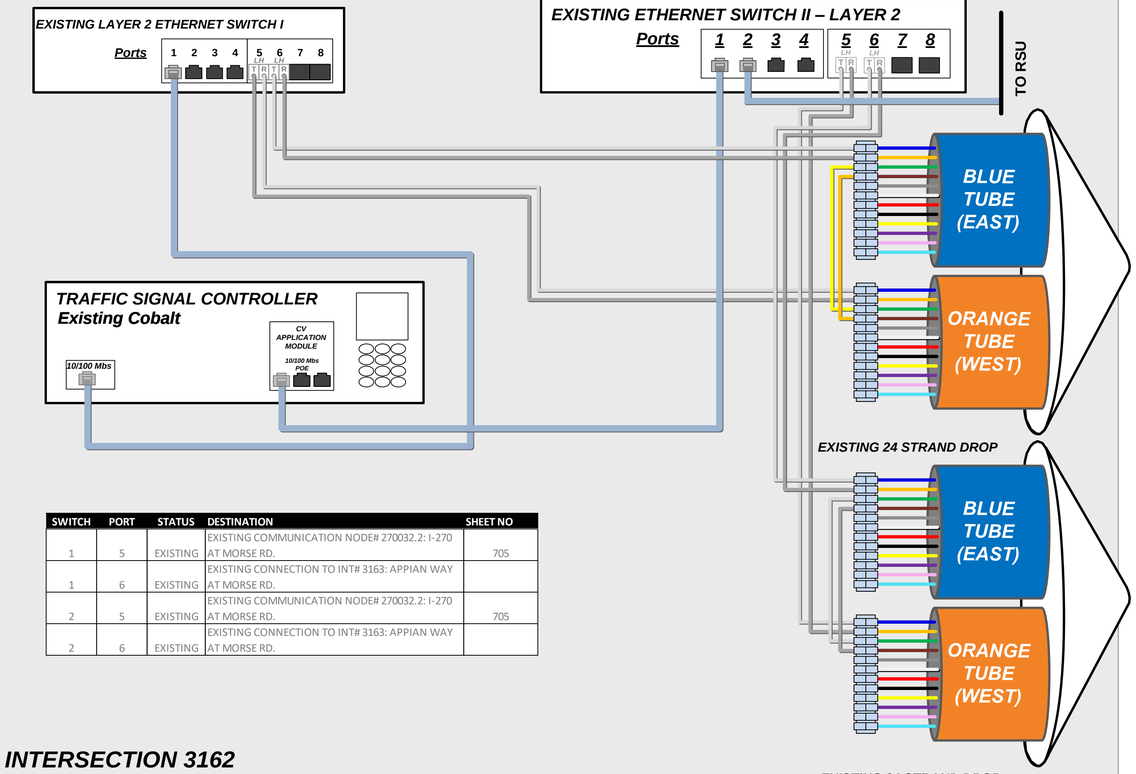
SWITCH	PORT	STATUS	DESTINATION	SHEET NO
1	5	EXISTING	EXISTING CONNECTION TO INT# 3162: I-270 NB RAMPS AT MORSE RD.	
1	6	EXISTING	EXISTING CONNECTION TO INT# 3093: L BRANDS AT MORSE RD.	
2	5	EXISTING	EXISTING CONNECTION TO INT# 3162: I-270 NB RAMPS AT MORSE RD.	
2	6	EXISTING	EXISTING CONNECTION TO INT# 3093: L BRANDS AT MORSE RD.	

INTERSECTION 3163

APPIAN WAY AT MORSE RD.
REFER TO SHEET 165 FOR CONSTRUCTION PLAN DETAILS
REFER TO SHEET 463 FOR COMM OVERVIEW DETAILS

EXISTING PATCH PANEL ENCLOSURE – 24 TERMINATION

TRAFFIC SIGNAL CABINET ASSEMBLY



SWITCH	PORT	STATUS	DESTINATION	SHEET NO
1	5	EXISTING	EXISTING COMMUNICATION NODE# 270032.2: I-270 AT MORSE RD.	705
1	6	EXISTING	EXISTING CONNECTION TO INT# 3163: APPIAN WAY AT MORSE RD.	
2	5	EXISTING	EXISTING COMMUNICATION NODE# 270032.2: I-270 AT MORSE RD.	705
2	6	EXISTING	EXISTING CONNECTION TO INT# 3163: APPIAN WAY AT MORSE RD.	

INTERSECTION 3162

I-270 NB RAMPS AT MORSE RD.
REFER TO SHEET 165 FOR CONSTRUCTION PLAN DETAILS
REFER TO SHEET 463 FOR COMM OVERVIEW DETAILS

EXISTING PATCH PANEL ENCLOSURE – 24 TERMINATION

LEGEND

- FIBER PATCH CABLES T/R STANDARD
- FIBER PATCH CABLES R/T CROSSOVER
- EXISTING FIBER PATCH CABLES
- OUTDOOR CAT 5E CABLE
- INDOOR CAT 5E CABLE
- CAT 5E CABLE TO BE REMOVED
- TERMINATION PANEL UPC (Blue)/APC (Green)
- EXISTING/PROPOSED FIBER OR BUFFER TUBE LEFT COILED IN SPLICE ENCLOSURE
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- FUSION SPLICE – 12 FIBER BUFFER TUBE
- EXISTING FUSION SPLICE – 12 FIBER BUFFER TUBE
- INTERSECTION LOCATION
- GBIC OPTICAL TRANSCEIVER LH - SHORT HAUL LED ZX – LONG HAUL LASER
- SFP/COPPER/CAT5/5E/6 CONNECTOR
- COPPER/CAT5/5E/6 CONNECTOR
- 144 STRAND SMF
- 288 STRAND SMF
- WIRELESS ETHERNET RADIO

CIP: 540007 - 100012
PID NUMBER: 99733

INTS 3163 AND 3162 PATCH PANELS
COMMUNICATIONS DIAGRAM

CITY OF COLUMBUS TRAFFIC SIGNAL SYSTEM
(CTSS) PHASE F – FINAL SUBMITTAL

555
768

TRAFFIC SIGNAL CABINET ASSEMBLY

SWITCH	PORT	STATUS	DESTINATION	SHEET NO
1	9	PROPOSED	EXISTING COMMUNICATION NODE# 2/0032 @ I-270 AT MORSE RD.	705
1	10	PROPOSED	INT# 3248: MORSE RD. AT HAMILTON RD.	556A

3

LAYER 2 ETHERNET SWITCH

1 2 7 8 9 10 11 T R T R

TRAFFIC SIGNAL CONTROLLER
Proposed

10/100 Mds

BLUE TUBE (EAST)

ORANGE TUBE (WEST)

24 STRAND DROP

BLUE TUBE

ORANGE TUBE

PATCH PANEL ENCLOSURE – 24 TERMINATION

BLUE TUBE
ORANGE TUBE
GREEN TUBE
BROWN TUBE
SLATE TUBE
WHITE TUBE
RED TUBE
BLACK TUBE
YELLOW TUBE
VIOLET TUBE
ROSE TUBE
AQUA TUBE

144 STRAND FOC

TO:
INT# 3164: CHERRY BOTTOM RD. AT MORSE RD.
SEE SHEET 553

144 STRAND FOC

TO:
INT# 3248: MORSE RD. AT HAMILTON RD.
SEE SHEET 556A

3

3 Cable Entries
24 Proposed Fusion Splices

3

DOME, 288 FUSION SPLICE, UNDERGROUND SPLICE ENCLOSURE

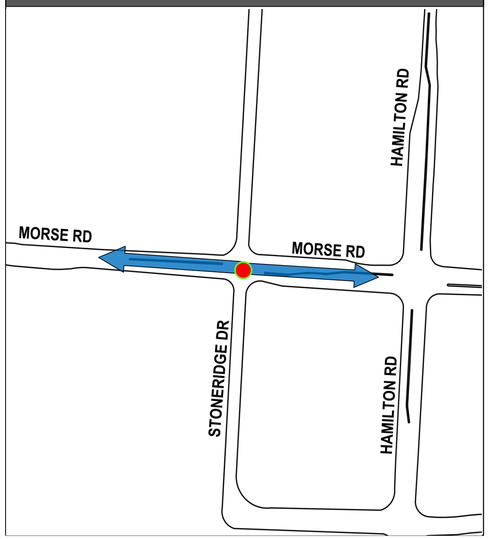
3

Sheet 556a can be found on page 770/774 of this document

LEGEND

- FIBER PATCH CABLES T/R STANDARD
- FIBER PATCH CABLES R/T CROSSOVER
- EXISTING FIBER PATCH CABLES
- OUTDOOR CAT 5E CABLE
- INDOOR CAT 5E CABLE
- CAT 5E CABLE TO BE REMOVED
- TERMINATION PANEL UPC (Blue)/APC (Green)
- EXISTING/PROPOSED FIBER OR BUFFER TUBE LEFT COILED IN SPLICE ENCLOSURE
- FUSION SPLICE – 6 FIBERS/ SINGLE FIBER
- FUSION SPLICE – 12 FIBER BUFFER TUBE
- EXISTING FUSION SPLICE – 12 FIBER BUFFER TUBE
- INTERSECTION LOCATION
- GBIC OPTICAL TRANSCEIVER LH - SHORT HAUL LED ZX – LONG HAUL LASER
- SFP/COPPER/CAT5/5E/6 CONNECTOR
- COPPER/CAT5/5E/6 CONNECTOR
- 144 STRAND SMF
- 288 STRAND SMF
- WIRELESS ETHERNET RADIO

KEY PLAN



DRAFT REVISION 3.0

INTERSECTION 3249

REFER TO SHEET 170 FOR CONSTRUCTION PLAN DETAILS
REFER TO SHEET 463 FOR COMM OVERVIEW DETAILS

CIP: 540007 - 100012
PID NUMBER: 99733

INT# 3249: KOHL'S & STONERIDGE DR. AT MORSE RD.
COMMUNICATIONS DIAGRAM

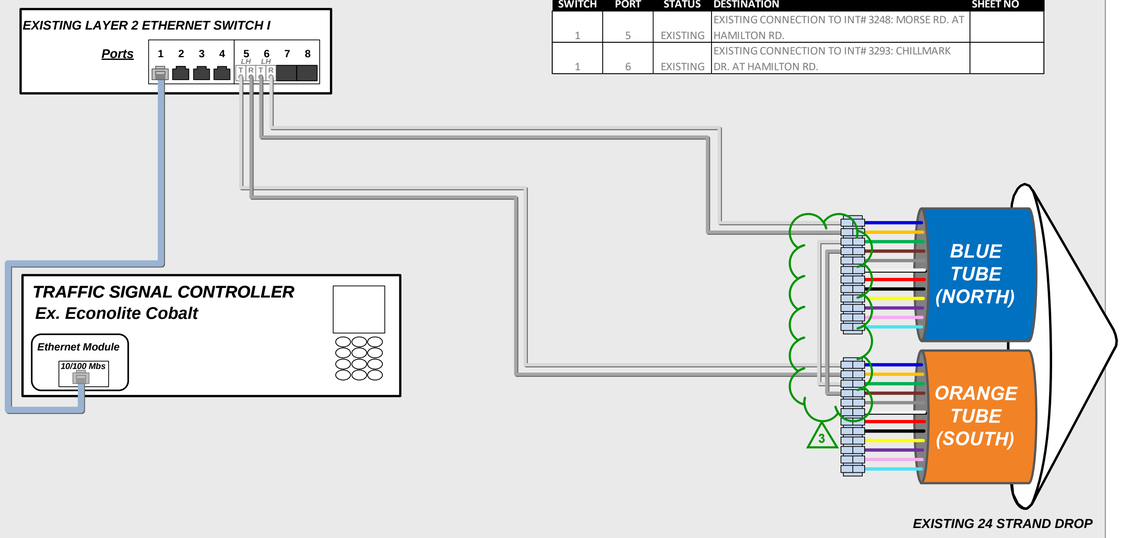
CITY OF COLUMBUS TRAFFIC SIGNAL SYSTEM
(CTSS) PHASE F – FINAL SUBMITTAL

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TRAFFIC SIGNAL CABINET ASSEMBLY

SWITCH	PORT	STATUS	DESTINATION	SHEET NO
1	5	EXISTING	EXISTING CONNECTION TO INT# 3248: MORSE RD. AT HAMILTON RD.	
1	6	EXISTING	EXISTING CONNECTION TO INT# 3293: CHILLMARK DR. AT HAMILTON RD.	



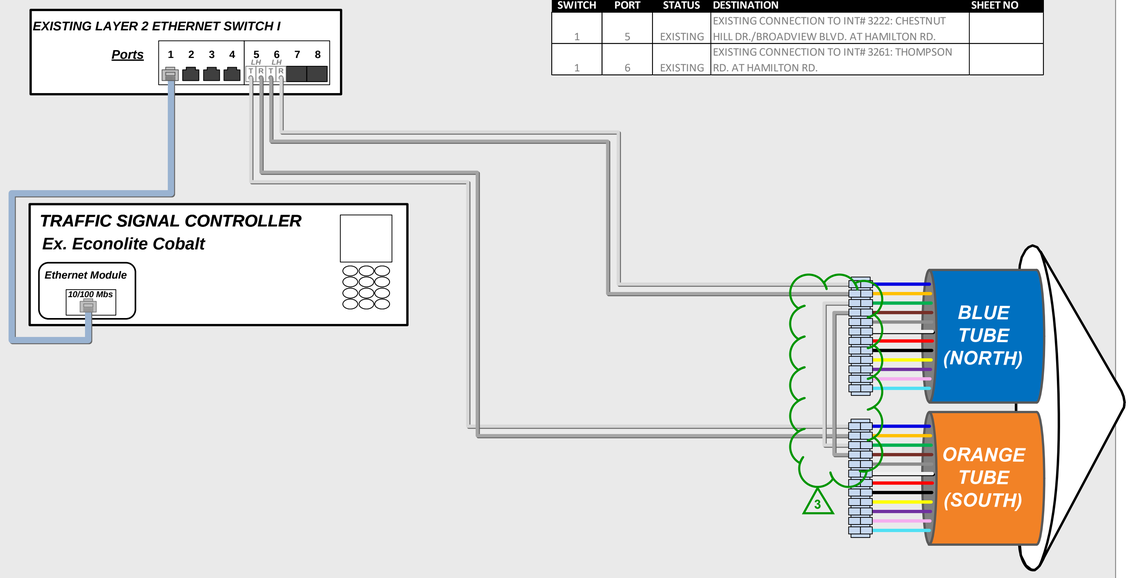
INTERSECTION 3222

CHESTNUT HILL DR./BROADVIEW BLVD. AT HAMILTON RD
REFER TO SHEET 170 FOR CONSTRUCTION PLAN DETAILS
REFER TO SHEET 464 FOR COMM OVERVIEW DETAILS

EXISTING PATCH PANEL ENCLOSURE – 24 TERMINATION

TRAFFIC SIGNAL CABINET ASSEMBLY

SWITCH	PORT	STATUS	DESTINATION	SHEET NO
1	5	EXISTING	EXISTING CONNECTION TO INT# 3222: CHESTNUT HILL DR./BROADVIEW BLVD. AT HAMILTON RD.	
1	6	EXISTING	EXISTING CONNECTION TO INT# 3261: THOMPSON RD. AT HAMILTON RD.	



INTERSECTION 3293

CHILLMARK DR. AT HAMILTON RD.
REFER TO SHEET 170 FOR CONSTRUCTION PLAN DETAILS
REFER TO SHEET 464 FOR COMM OVERVIEW DETAILS

EXISTING PATCH PANEL ENCLOSURE – 24 TERMINATION

LEGEND

- FIBER PATCH CABLES T/R STANDARD
- FIBER PATCH CABLES R/T CROSSOVER
- EXISTING FIBER PATCH CABLES
- OUTDOOR CAT 5E CABLE
- INDOOR CAT 5E CABLE
- CAT 5E CABLE TO BE REMOVED
- TERMINATION PANEL UPC (Blue)/APC (Green)
- EXISTING/PROPOSED FIBER OR BUFFER TUBE LEFT COILED IN SPLICE ENCLOSURE
- FUSION SPLICE – 6 FIBERS/ SINGLE FIBER
- FUSION SPLICE – 12 FIBER BUFFER TUBE
- EXISTING FUSION SPLICE – 12 FIBER BUFFER TUBE
- INTERSECTION LOCATION
- GBIC OPTICAL TRANSCEIVER LH - SHORT HAUL LED ZX – LONG HAUL LASER
- SFP/COPPER/CAT5/5E/6 CONNECTOR
- COPPER/CAT5/5E/6 CONNECTOR
- 144 STRAND SMF
- 288 STRAND SMF
- WIRELESS ETHERNET RADIO

3 *NOTE:*
NO PROPOSED WORK SHOWN ON THIS SHEET. SHEET SHOWN FOR CLARITY.

CIP: 540007 - 100012
PID NUMBER: 99733

INTS 3222 AND 3293 PATCH PANELS
COMMUNICATIONS DIAGRAM

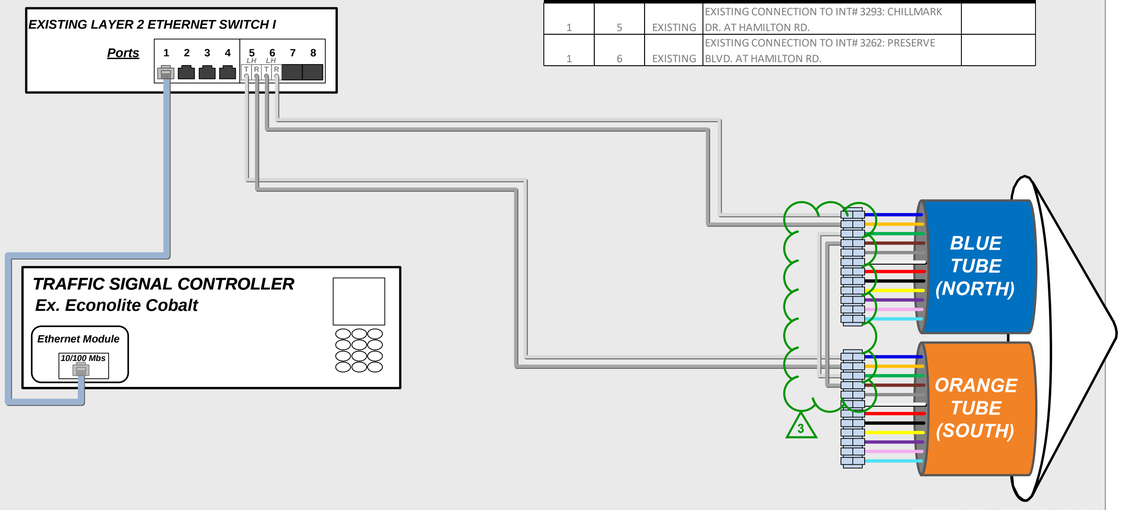
CITY OF COLUMBUS TRAFFIC SIGNAL SYSTEM
(CTSS) PHASE F – FINAL SUBMITTAL

3 DRAFT REVISION 3.0

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TRAFFIC SIGNAL CABINET ASSEMBLY

SWITCH	PORT	STATUS	DESTINATION	SHEET NO
1	5	EXISTING	EXISTING CONNECTION TO INT# 3293: CHILLMARK DR. AT HAMILTON RD.	
1	6	EXISTING	EXISTING CONNECTION TO INT# 3262: PRESERVE BLVD. AT HAMILTON RD.	



EXISTING 24 STRAND DROP

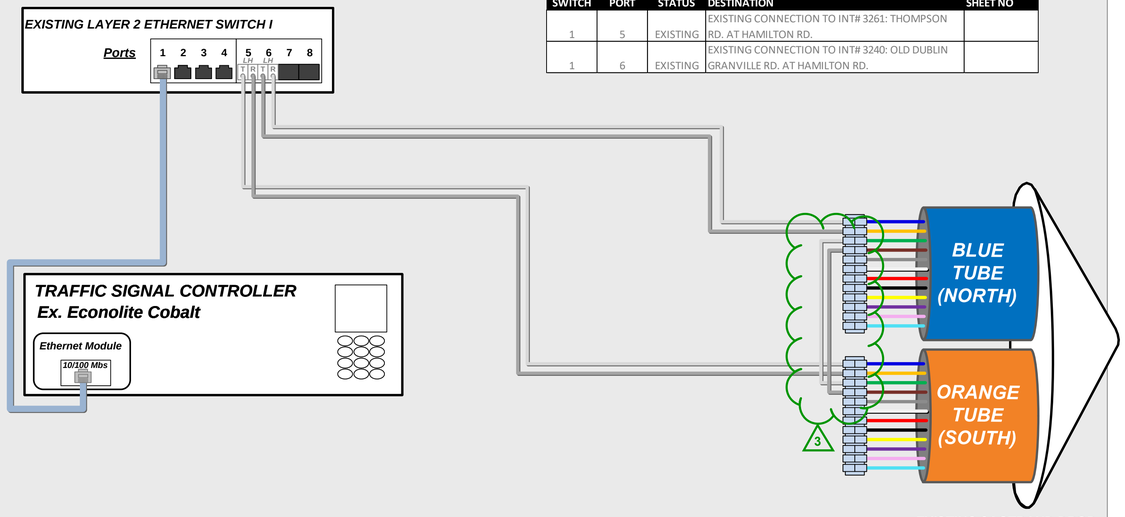
INTERSECTION 3261

THOMPSON RD. AT HAMILTON RD.
REFER TO SHEET 170 FOR CONSTRUCTION PLAN DETAILS
REFER TO SHEET 464 FOR COMM OVERVIEW DETAILS

EXISTING PATCH PANEL ENCLOSURE – 24 TERMINATION

TRAFFIC SIGNAL CABINET ASSEMBLY

SWITCH	PORT	STATUS	DESTINATION	SHEET NO
1	5	EXISTING	EXISTING CONNECTION TO INT# 3261: THOMPSON RD. AT HAMILTON RD.	
1	6	EXISTING	EXISTING CONNECTION TO INT# 3240: OLD DUBLIN GRANVILLE RD. AT HAMILTON RD.	



EXISTING 24 STRAND DROP

INTERSECTION 3262

MERNERY LN./ PRESERVE BLVD AT HAMILTON RD
REFER TO SHEET 170 FOR CONSTRUCTION PLAN DETAILS
REFER TO SHEET 464 FOR COMM OVERVIEW DETAILS

EXISTING PATCH PANEL ENCLOSURE – 24 TERMINATION

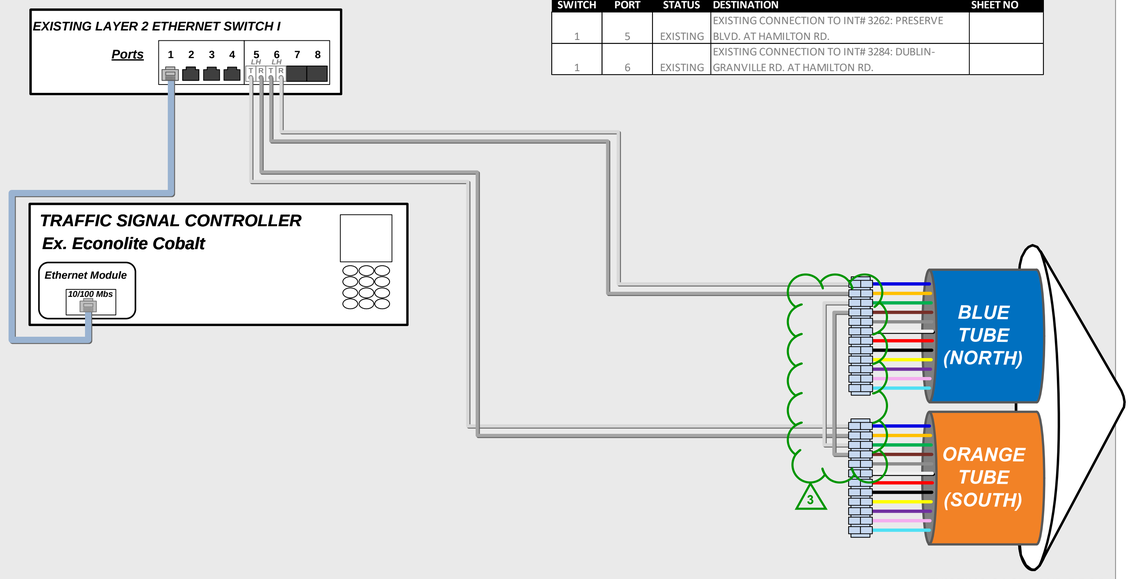
LEGEND

- FIBER PATCH CABLES T/R STANDARD
- FIBER PATCH CABLES R/T CROSSOVER
- EXISTING FIBER PATCH CABLES
- OUTDOOR CAT 5E CABLE
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- CAT 5E CABLE TO BE REMOVED
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- FUSION SPLICE – 12 FIBER BUFFER TUBE
- EXISTING FUSION SPLICE – 12 FIBER BUFFER TUBE
- INTERSECTION LOCATION
- LH ZX GBIC OPTICAL TRANSCEIVER LH - SHORT HAUL LED ZX – LONG HAUL LASER
- SFP/COPPER/CAT5/5E/6 CONNECTOR
- COPPER/CAT5/5E/6 CONNECTOR
- 144 STRAND SMF
- 288 STRAND SMF
- WIRELESS ETHERNET RADIO

NOTE:
NO PROPOSED WORK SHOWN ON THIS SHEET. SHEET SHOWN FOR CLARITY.

TRAFFIC SIGNAL CABINET ASSEMBLY

SWITCH	PORT	STATUS	DESTINATION	SHEET NO
1	5	EXISTING	EXISTING CONNECTION TO INT# 3262: PRESERVE BLVD. AT HAMILTON RD.	
1	6	EXISTING	EXISTING CONNECTION TO INT# 3284: DUBLIN-GRANVILLE RD. AT HAMILTON RD.	



EXISTING 24 STRAND DROP

INTERSECTION 3240

OLD DUBLIN GRANVILLE RD. AT HAMILTON RD.
REFER TO SHEET 170 FOR CONSTRUCTION PLAN DETAILS
REFER TO SHEET 464 FOR COMM OVERVIEW DETAILS

3 DRAFT REVISION 3.0

EXISTING PATCH PANEL ENCLOSURE – 24 TERMINATION

CIP: 540007 - 100012
PID NUMBER: 99733

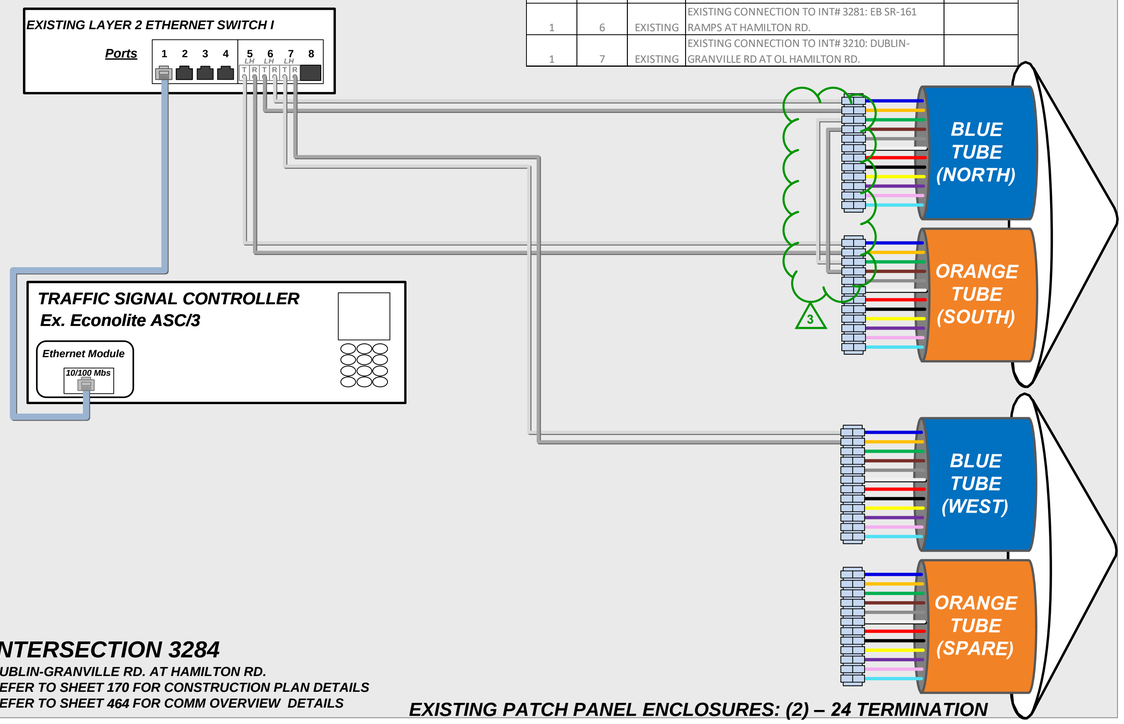
INTS 3261, 3262 AND 3240 PATCH PANELS
COMMUNICATIONS DIAGRAM

CITY OF COLUMBUS TRAFFIC SIGNAL SYSTEM
(CTSS) PHASE F – FINAL SUBMITTAL

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TRAFFIC SIGNAL CABINET ASSEMBLY

SWITCH	PORT	STATUS	DESTINATION	SHEET NO
1	5	EXISTING	EXISTING CONNECTION TO INT# 3240: OLD DUBLIN GRANVILLE RD. AT HAMILTON RD.	
1	6	EXISTING	EXISTING CONNECTION TO INT# 3281: EB SR-161 RAMPS AT HAMILTON RD.	
1	7	EXISTING	EXISTING CONNECTION TO INT# 3210: DUBLIN-GRANVILLE RD AT OL HAMILTON RD.	



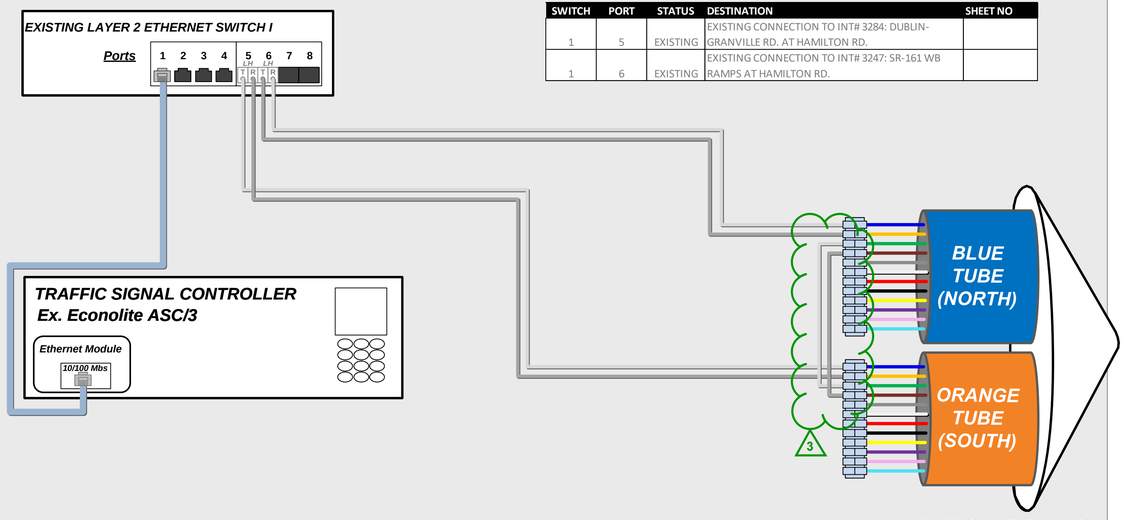
INTERSECTION 3284

DUBLIN-GRANVILLE RD. AT HAMILTON RD.
REFER TO SHEET 170 FOR CONSTRUCTION PLAN DETAILS
REFER TO SHEET 464 FOR COMM OVERVIEW DETAILS

EXISTING PATCH PANEL ENCLOSURES: (2) – 24 TERMINATION

TRAFFIC SIGNAL CABINET ASSEMBLY

SWITCH	PORT	STATUS	DESTINATION	SHEET NO
1	5	EXISTING	EXISTING CONNECTION TO INT# 3284: DUBLIN-GRANVILLE RD. AT HAMILTON RD.	
1	6	EXISTING	EXISTING CONNECTION TO INT# 3247: SR-161 WB RAMPS AT HAMILTON RD.	



EXISTING 24 STRAND DROP

INTERSECTION 3281

EB SR-161 RAMPS AT HAMILTON RD.
REFER TO SHEET 170 FOR CONSTRUCTION PLAN DETAILS
REFER TO SHEET 464 FOR COMM OVERVIEW DETAILS

EXISTING PATCH PANEL ENCLOSURE – 24 TERMINATION

LEGEND

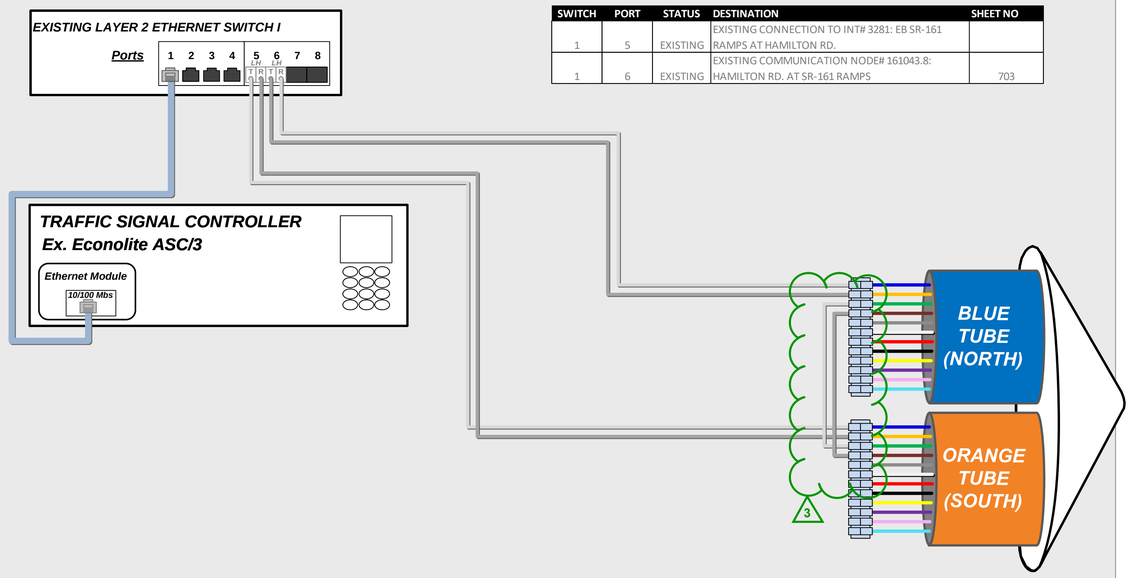
- FIBER PATCH CABLES T/R STANDARD
- FIBER PATCH CABLES R/T CROSSOVER
- EXISTING FIBER PATCH CABLES
- OUTDOOR CAT 5E CABLE
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- CAT 5E CABLE TO BE REMOVED
- TERMINATION PANEL UPC (Blue)/APC (Green)
- EXISTING/PROPOSED FIBER OR BUFFER TUBE LEFT COILED IN SPLICE ENCLOSURE
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- FUSION SPLICE – 12 FIBER BUFFER TUBE
- EXISTING FUSION SPLICE – 12 FIBER BUFFER TUBE
- INTERSECTION LOCATION
- GBIC OPTICAL TRANSCEIVER LH - SHORT HAUL LED ZX – LONG HAUL LASER
- SFP/COPPER/CAT5/5E/6 CONNECTOR
- COPPER/CAT5/5E/6 CONNECTOR
- 144 STRAND SMF
- 288 STRAND SMF
- WIRELESS ETHERNET RADIO

NOTE:
NO PROPOSED WORK SHOWN ON THIS SHEET. SHEET SHOWN FOR CLARITY.

3

TRAFFIC SIGNAL CABINET ASSEMBLY

SWITCH	PORT	STATUS	DESTINATION	SHEET NO
1	5	EXISTING	EXISTING CONNECTION TO INT# 3281: EB SR-161 RAMPS AT HAMILTON RD.	
1	6	EXISTING	EXISTING COMMUNICATION NODE# 161043.8: HAMILTON RD. AT SR-161 RAMPS	703



EXISTING 24 STRAND DROP

INTERSECTION 3247

SR-161 WB RAMPS AT HAMILTON RD.
REFER TO SHEET 170 FOR CONSTRUCTION PLAN DETAILS
REFER TO SHEET 464 FOR COMM OVERVIEW DETAILS

3 DRAFT REVISION 3.0

EXISTING PATCH PANEL ENCLOSURE – 24 TERMINATION

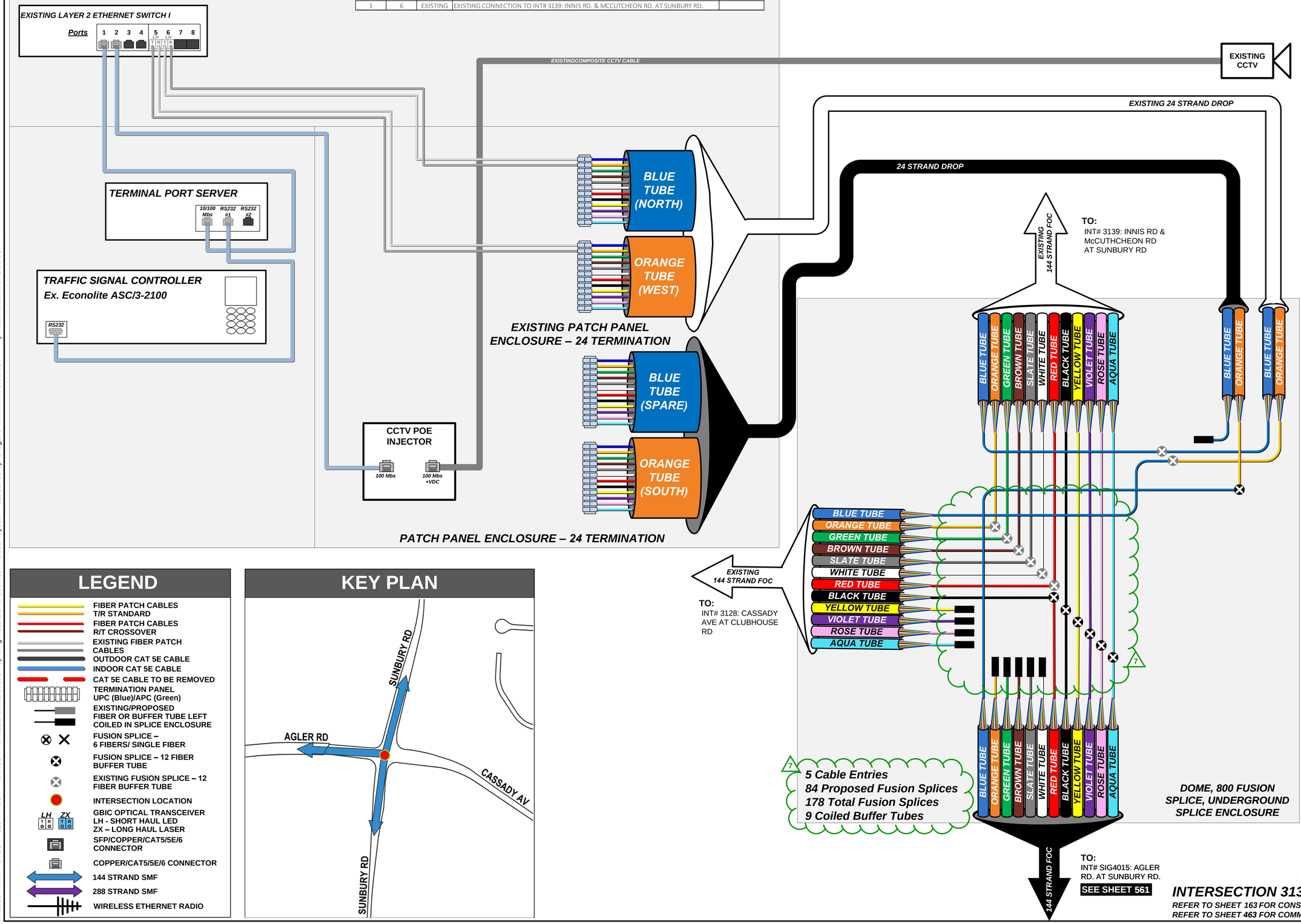
CIP: 540007 - 100012
PID NUMBER: 99733

INTS 3284, 3281 AND 3247 PATCH PANELS
COMMUNICATIONS DIAGRAM

CITY OF COLUMBUS TRAFFIC SIGNAL SYSTEM
(CTSS) PHASE F – FINAL SUBMITTAL

TRAFFIC SIGNAL CABINET ASSEMBLY

SWITCH	PORT	STATUS	DESTINATION	SHEET NO
1	5	EXISTING	EXISTING CONNECTION TO INT# 3128: CASSADY AVE. AT CLUBEHOUSE RD.	
1	6	EXISTING	EXISTING CONNECTION TO INT# 3139: INNIS RD. & MCCUTCHEON RD. AT SUNBURY RD.	



LEGEND

- FIBER PATCH CABLES T/R STANDARD
- FIBER PATCH CABLES R/T CROSSOVER
- EXISTING FIBER PATCH CABLES
- OUTDOOR CAT 5E CABLE
- INDOOR CAT 5E CABLE
- CAT 5E CABLE TO BE REMOVED
- TERMINATION PANEL UPC (Blue)/APC (Green)
- EXISTING/PROPOSED FIBER OR BUFFER TUBE LEFT COILED IN SPLICE ENCLOSURE
- FUSION SPLICE – 6 FIBERS/ SINGLE FIBER
- FUSION SPLICE – 12 FIBER BUFFER TUBE
- EXISTING FUSION SPLICE – 12 FIBER BUFFER TUBE
- INTERSECTION LOCATION
- GBIC OPTICAL TRANSCEIVER LH - SHORT HAUL LED ZX – LONG HAUL LASER
- SFP/COPPER/CAT5/5E/6 CONNECTOR
- COPPER/CAT5/5E/6 CONNECTOR
- 144 STRAND SMF
- 288 STRAND SMF
- WIRELESS ETHERNET RADIO

KEY PLAN

7 DRAFT REVISION 7.0

INTERSECTION 3138

REFER TO SHEET 163 FOR CONSTRUCTION PLAN DETAILS
REFER TO SHEET 463 FOR COMM OVERVIEW DETAILS

CIP: 540007 - 100012
PID NUMBER: 99733

INT# 3138: AGLER RD./CASSADY AVE. AT SUNBURY RD.
COMMUNICATIONS DIAGRAM

CITY OF COLUMBUS TRAFFIC SIGNAL SYSTEM
(CTSS) PHASE F – FINAL SUBMITTAL

J:\Jobs\70202 - CTSS Phase F\TECHPROD\Communications\Intersection Splicing Details\549-569.vsd - 3138 layout - last saved by: skogantl 2/16/2024 3:52:53 PM - printed: 2/16/2024 3:52:53 PM

TRAFFIC SIGNAL CABINET ASSEMBLY

SWITCH	PORT	STATUS	DESTINATION	SHEET NO
1	5	REVISED	COMMUNICATIONS NODE 670009.0: I-670 AT STELZER RD	

9

EXISTING LAYER 2 ETHERNET SWITCH I

Ports 1 2 3 4 5 6 7 8

TRAFFIC SIGNAL CONTROLLER
Ex. Siemens M60

BLUE TUBE (EAST)

ORANGE TUBE (NORTH)

EXISTING PATCH PANEL ENCLOSURE – 24 TERMINATION

EXISTING 24 STRAND DROP

144 STRAND FOC

TO:
INT# 3138: AGLER RD./ CASSADY AVE. AT SUNBURY RD.
SEE SHEET 560

BLUE TUBE
ORANGE TUBE
GREEN TUBE
BROWN TUBE
SLATE TUBE
WHITE TUBE
RED TUBE
BLACK TUBE
YELLOW TUBE
VIOLET TUBE
ROSE TUBE
AQUA TUBE

BLUE TUBE
ORANGE TUBE
GREEN TUBE
BROWN TUBE
SLATE TUBE
WHITE TUBE
RED TUBE
BLACK TUBE
YELLOW TUBE
VIOLET TUBE
ROSE TUBE
AQUA TUBE

EXISTING 144 STRAND FOC

TO:
INT# 3149: AGLER RD AT CASSADY AVE

9

3 Cable Entries
150 Proposed Fusion Splices
150 Total Fusion Splices
12 Coiled Fibers

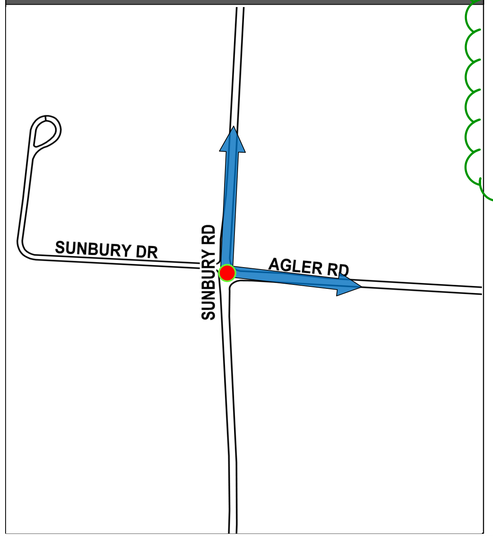
9

EXISTING UNDERGROUND SPLICE ENCLOSURE

LEGEND

- FIBER PATCH CABLES T/R STANDARD
- FIBER PATCH CABLES R/T CROSSOVER
- EXISTING FIBER PATCH CABLES
- OUTDOOR CAT 5E CABLE
- INDOOR CAT 5E CABLE
- CAT 5E CABLE TO BE REMOVED
- TERMINATION PANEL UPC (Blue)/APC (Green)
- EXISTING/PROPOSED FIBER OR BUFFER TUBE LEFT COILED IN SPLICE ENCLOSURE
- FUSION SPLICE – 6 FIBERS/ SINGLE FIBER
- FUSION SPLICE – 12 FIBER BUFFER TUBE
- EXISTING FUSION SPLICE – 12 FIBER BUFFER TUBE
- INTERSECTION LOCATION
- GBIC OPTICAL TRANSCEIVER LH - SHORT HAUL LED ZX – LONG HAUL LASER
- SFP/COPPER/CAT5/5E/6 CONNECTOR
- COPPER/CAT5/5E/6 CONNECTOR
- 144 STRAND SMF
- 288 STRAND SMF
- WIRELESS ETHERNET RADIO

KEY PLAN



NOTES
INSTALL FIBER OPTIC PATCH CORDS AND ETHERNET TRANSCEIVER AT COMMUNICATIONS NODE 670009.0: I-670 AT STELZER RD TO ESTABLISH NETWORK LINK. CONTACT ENGINEER FOR SPECIFIC FIBER PATCHING AND EQUIPMENT CONNECTION DETAILS.

9

9 DRAFT REVISION 9.0

INTERSECTION SIG4015

REFER TO SHEET 162 FOR CONSTRUCTION PLAN DETAILS
REFER TO SHEET 463 FOR COMM OVERVIEW DETAILS

CIP: 540007 - 100012
PID NUMBER: 99733

INT# SIG4015: AGLER RD. AT SUNBURY RD.
COMMUNICATIONS DIAGRAM

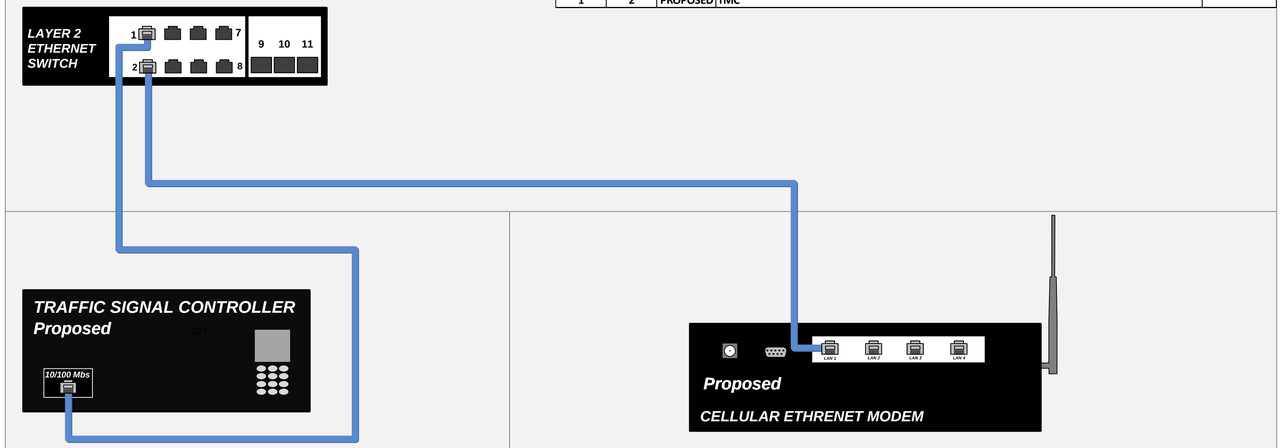
CITY OF COLUMBUS TRAFFIC SIGNAL SYSTEM
(CTSS) PHASE F – FINAL SUBMITTAL

561
768

J:\Jobs\70202 - CTSS Phase F\TECHPROD\Communications\Intersection Splicing Details\549-569.vsd - SIG4015 layout ~ last saved by: skoganti 3/27/2024 6:18:05 PM ~ printed: 3/27/2024 6:18:05 PM

TRAFFIC SIGNAL CABINET ASSEMBLY

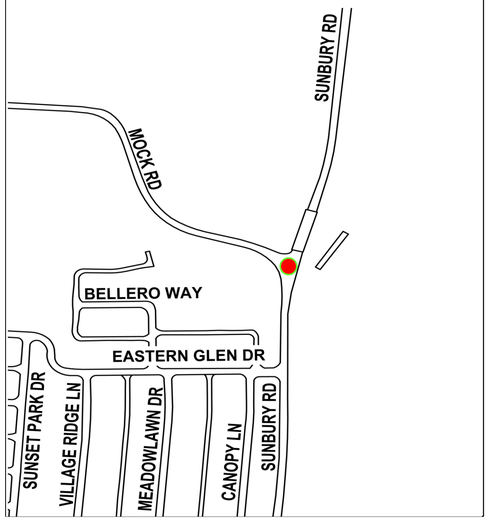
SWITCH	PORT	STATUS	DESTINATION	SHEET NO
1	2	PROPOSED	TMC	



LEGEND

- FIBER PATCH CABLES T/R STANDARD
- FIBER PATCH CABLES R/T CROSSOVER
- EXISTING FIBER PATCH CABLES
- OUTDOOR CAT 5E CABLE
- INDOOR CAT 5E CABLE
- CAT 5E CABLE TO BE REMOVED
- TERMINATION PANEL UPC (Blue)/APC (Green)
- EXISTING/PROPOSED FIBER OR BUFFER TUBE LEFT COILED IN SPLICE ENCLOSURE
- FUSION SPLICE – 6 FIBERS/ SINGLE FIBER
- FUSION SPLICE – 12 FIBER BUFFER TUBE
- EXISTING FUSION SPLICE – 12 FIBER BUFFER TUBE
- INTERSECTION LOCATION
- GBIC OPTICAL TRANSCEIVER LH - SHORT HAUL LED ZX – LONG HAUL LASER
- SFP/COPPER/CAT5/5E/6 CONNECTOR
- COPPER/CAT5/5E/6 CONNECTOR
- 144 STRAND SMF
- 288 STRAND SMF
- WIRELESS ETHERNET RADIO

KEY PLAN



INTERSECTION 3137

REFER TO SHEET 161 FOR CONSTRUCTION PLAN DETAILS
REFER TO SHEET 463 FOR COMM OVERVIEW DETAILS

CIP: 540007 - 100012
PID NUMBER: 99733

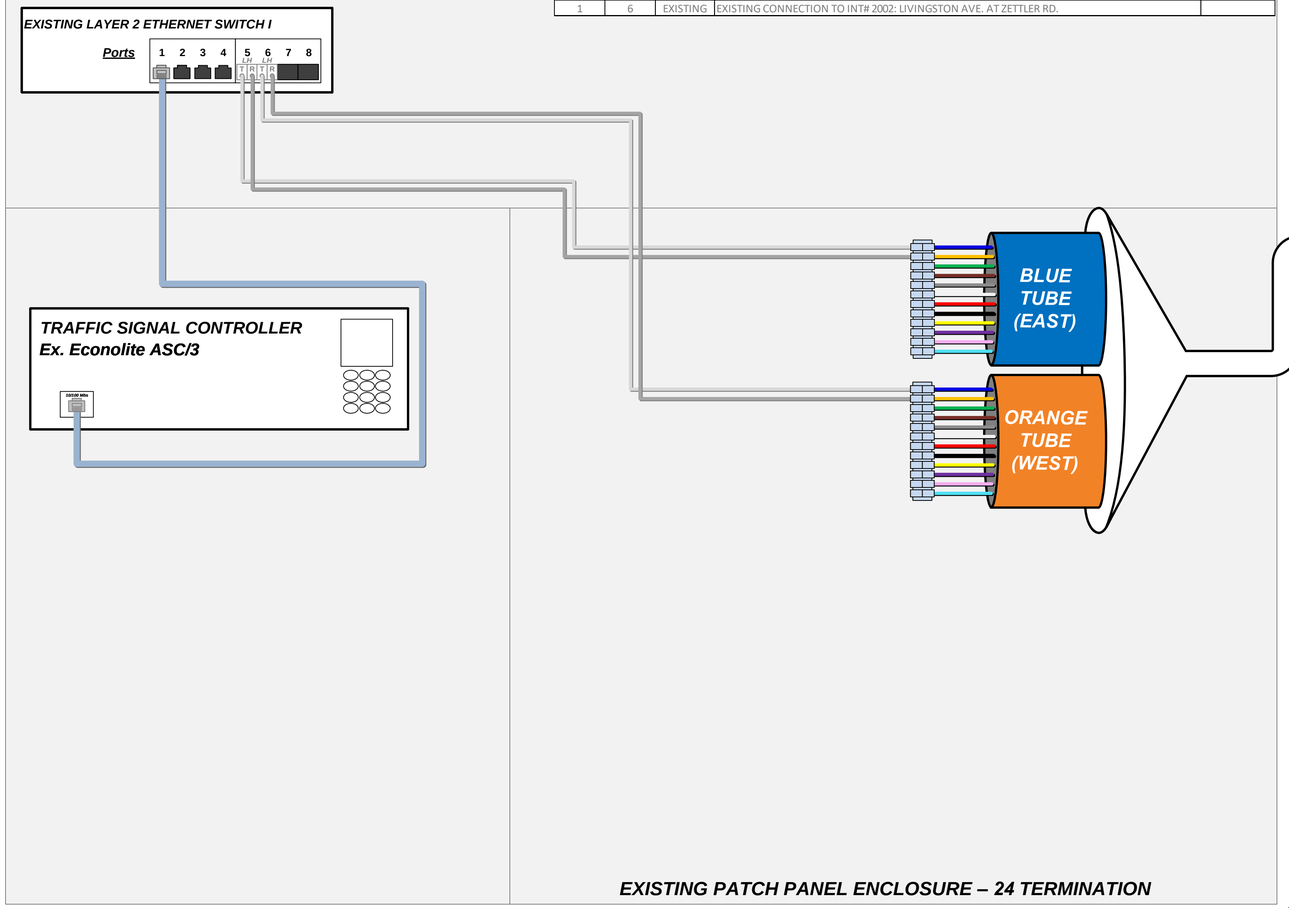
INT# 3137: MOCK RD. AT SUNBURY RD.
COMMUNICATIONS DIAGRAM

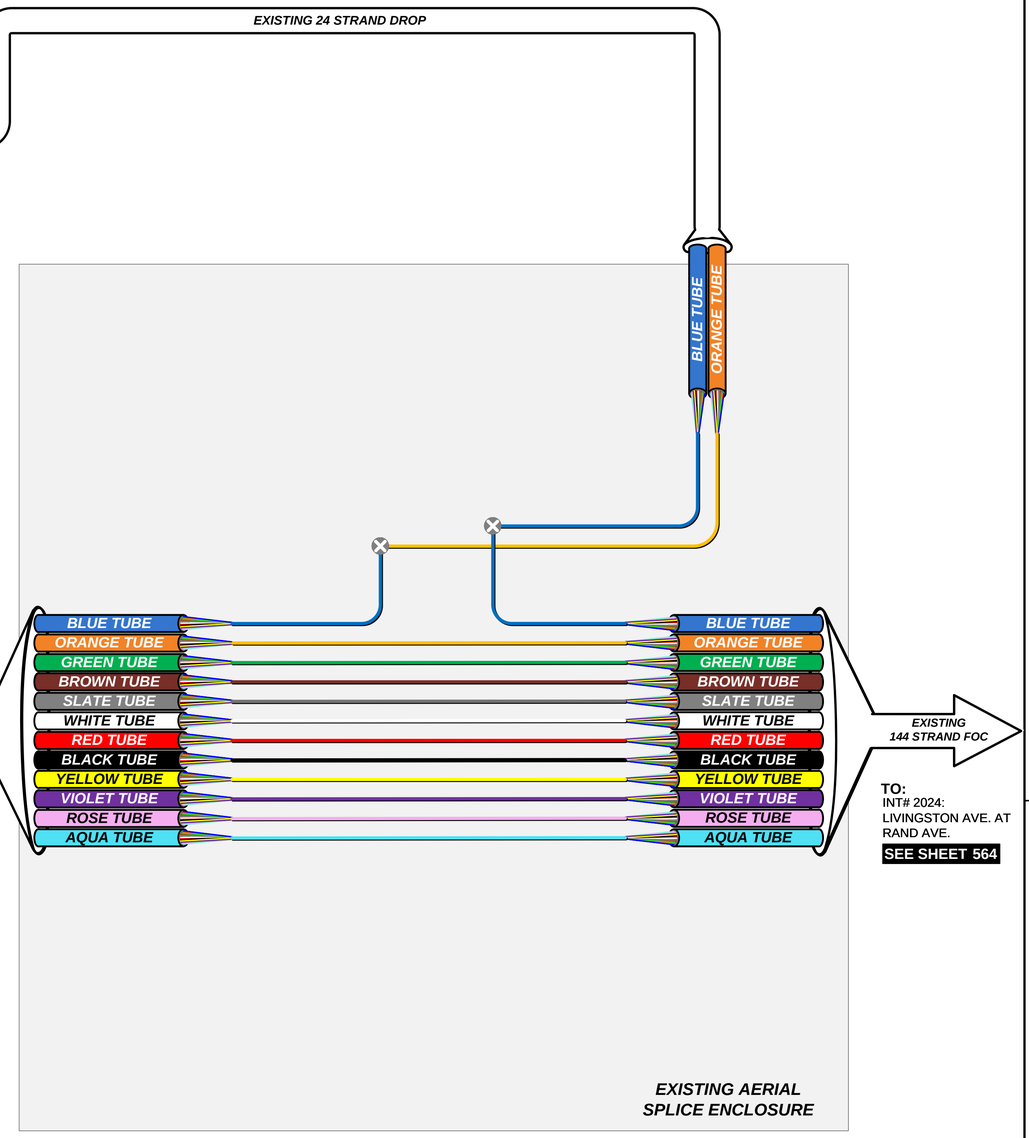
CITY OF COLUMBUS TRAFFIC SIGNAL SYSTEM
(CTSS) PHASE F – FINAL SUBMITTAL

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TRAFFIC SIGNAL CABINET ASSEMBLY

SWITCH	PORT	STATUS	DESTINATION	SHEET NO
1	5	REVISED	INT# 2024: LIVINGSTON AVE. AT RAND AVE.	564
1	6	EXISTING	EXISTING CONNECTION TO INT# 2002: LIVINGSTON AVE. AT ZETTLER RD.	





LEGEND

- FIBER PATCH CABLES T/R STANDARD
- FIBER PATCH CABLES R/T CROSSOVER
- EXISTING FIBER PATCH CABLES
- OUTDOOR CAT 5E CABLE
- INDOOR CAT 5E CABLE
- CAT 5E CABLE TO BE REMOVED
- TERMINATION PANEL UPC (Blue)/APC (Green)
- EXISTING/PROPOSED FIBER OR BUFFER TUBE LEFT COILED IN SPLICE ENCLOSURE
- FUSION SPLICE – 6 FIBERS/ SINGLE FIBER
- FUSION SPLICE – 12 FIBER BUFFER TUBE
- EXISTING FUSION SPLICE – 12 FIBER BUFFER TUBE
- INTERSECTION LOCATION
- GBIC OPTICAL TRANSCEIVER LH - SHORT HAUL LED ZX – LONG HAUL LASER
- SFP/COPPER/CAT5/5E/6 CONNECTOR
- COPPER/CAT5/5E/6 CONNECTOR
- 144 STRAND SMF
- 288 STRAND SMF
- WIRELESS ETHERNET RADIO

KEY PLAN



NOTE:
NO PROPOSED WORK SHOWN ON THIS SHEET. SHEET SHOWN FOR REVISED PORT DESTINATION

INTERSECTION 2023

REFER TO SHEET 465 FOR COMM OVERVIEW DETAILS

CIP: 540007 - 100012
PID NUMBER: 99733

INT# 2023: BARNETT RD. AT LIVINGSTON AVE.
COMMUNICATIONS DIAGRAM

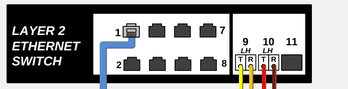
CITY OF COLUMBUS TRAFFIC SIGNAL SYSTEM
(CTSS) PHASE F – FINAL SUBMITTAL

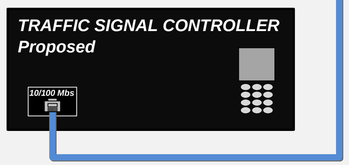
563
768

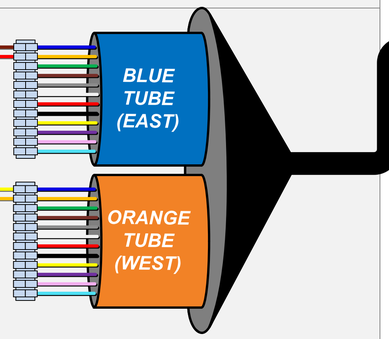
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TRAFFIC SIGNAL CABINET ASSEMBLY

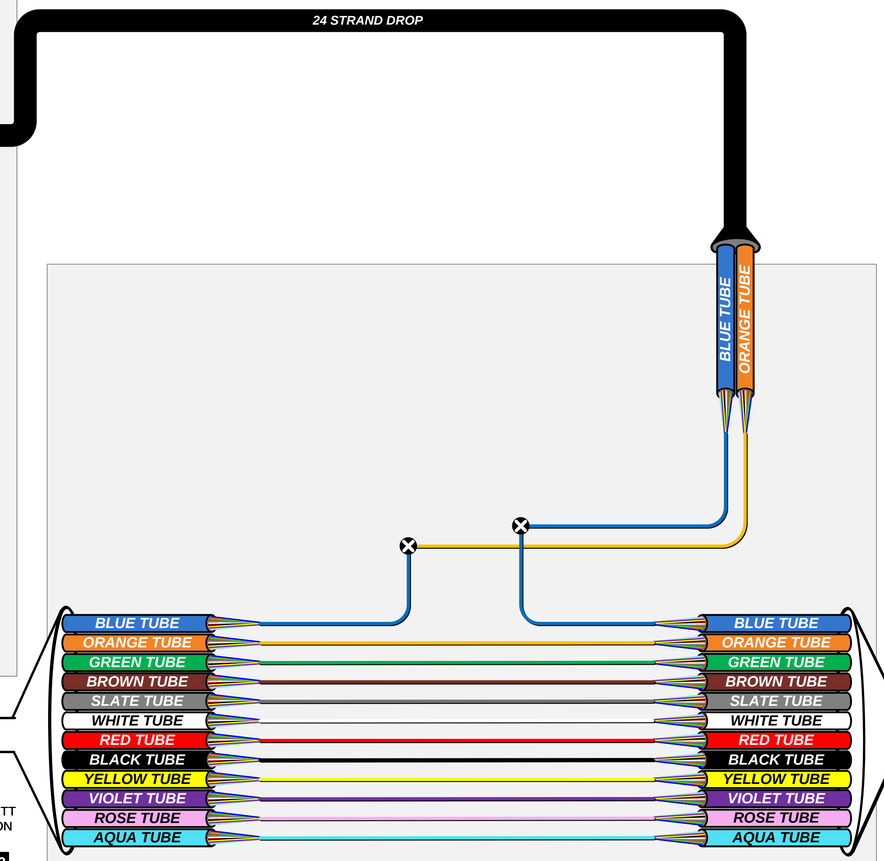
SWITCH	PORT	STATUS	DESTINATION	SHEET NO
1	5	PROPOSED	INT# 2023: BARNETT RD. AT LIVINGSTON AVE.	563
1	6	PROPOSED	INT# 2025: COURTRIGHT RD. AT LIVINGSTON AVE.	565







PATCH PANEL ENCLOSURE – 24 TERMINATION



TO:
INT# 2023: BARNETT RD. AT LIVINGSTON AVE.

SEE SHEET 563

TO:
INT# 2025: COURTRIGHT RD. AT LIVINGSTON AVE.

SEE SHEET 565

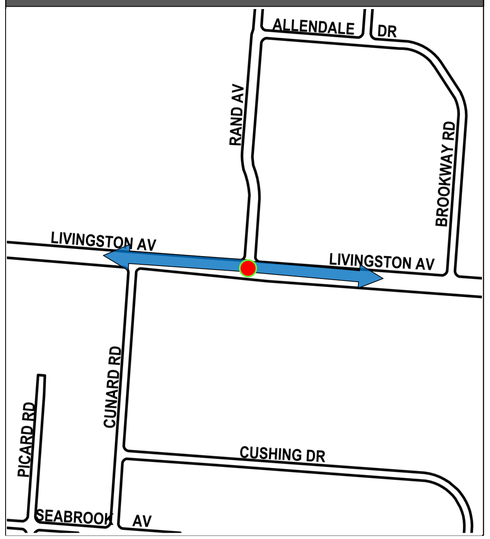
3 Cable Entries
24 Proposed Fusion Splices
11 Buffer Tubes Passed Through Unspliced

DOME, 288 FUSION SPLICE, AERIAL SPLICE ENCLOSURE

LEGEND

- FIBER PATCH CABLES T/R STANDARD
- FIBER PATCH CABLES R/T CROSSOVER
- EXISTING FIBER PATCH CABLES
- OUTDOOR CAT 5E CABLE
- INDOOR CAT 5E CABLE
- CAT 5E CABLE TO BE REMOVED
- TERMINATION PANEL UPC (Blue)/APC (Green)
- EXISTING/PROPOSED FIBER OR BUFFER TUBE LEFT COILED IN SPLICE ENCLOSURE
- FUSION SPLICE – 6 FIBERS/ SINGLE FIBER
- FUSION SPLICE – 12 FIBER BUFFER TUBE
- EXISTING FUSION SPLICE – 12 FIBER BUFFER TUBE
- INTERSECTION LOCATION
- GBIC OPTICAL TRANSCEIVER LH - SHORT HAUL LED ZX – LONG HAUL LASER
- SFP/COPPER/CAT5/5E/6 CONNECTOR
- COPPER/CAT5/5E/6 CONNECTOR
- 144 STRAND SMF
- 288 STRAND SMF
- WIRELESS ETHERNET RADIO

KEY PLAN



INTERSECTION 2024

REFER TO SHEET 386 FOR CONSTRUCTION PLAN DETAILS
REFER TO SHEET 465 FOR COMM OVERVIEW DETAILS

CIP: 540007 - 100012
PID NUMBER: 99733

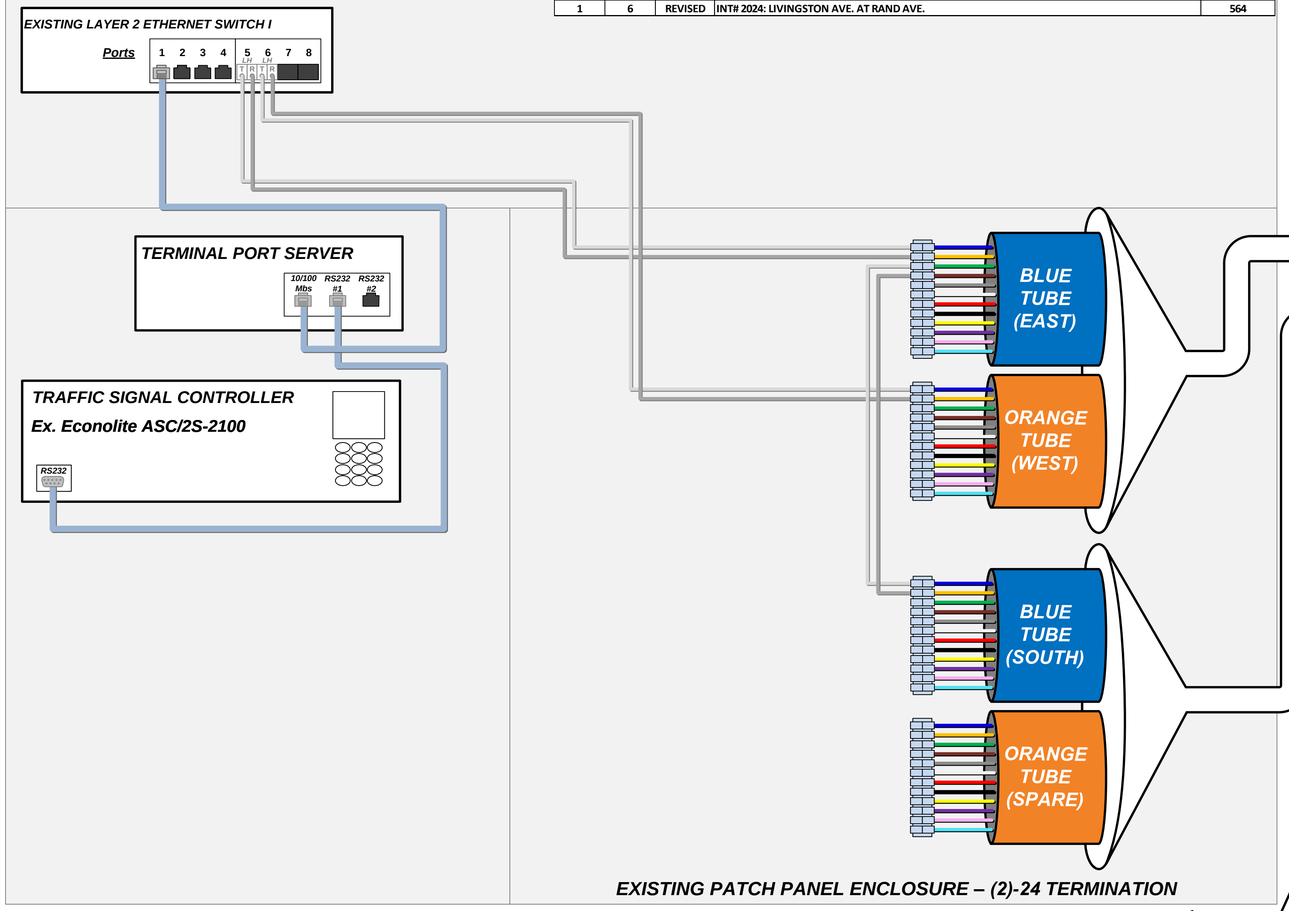
INT# 2024: LIVINGSTON AVE. AT RAND AVE.
COMMUNICATIONS DIAGRAM

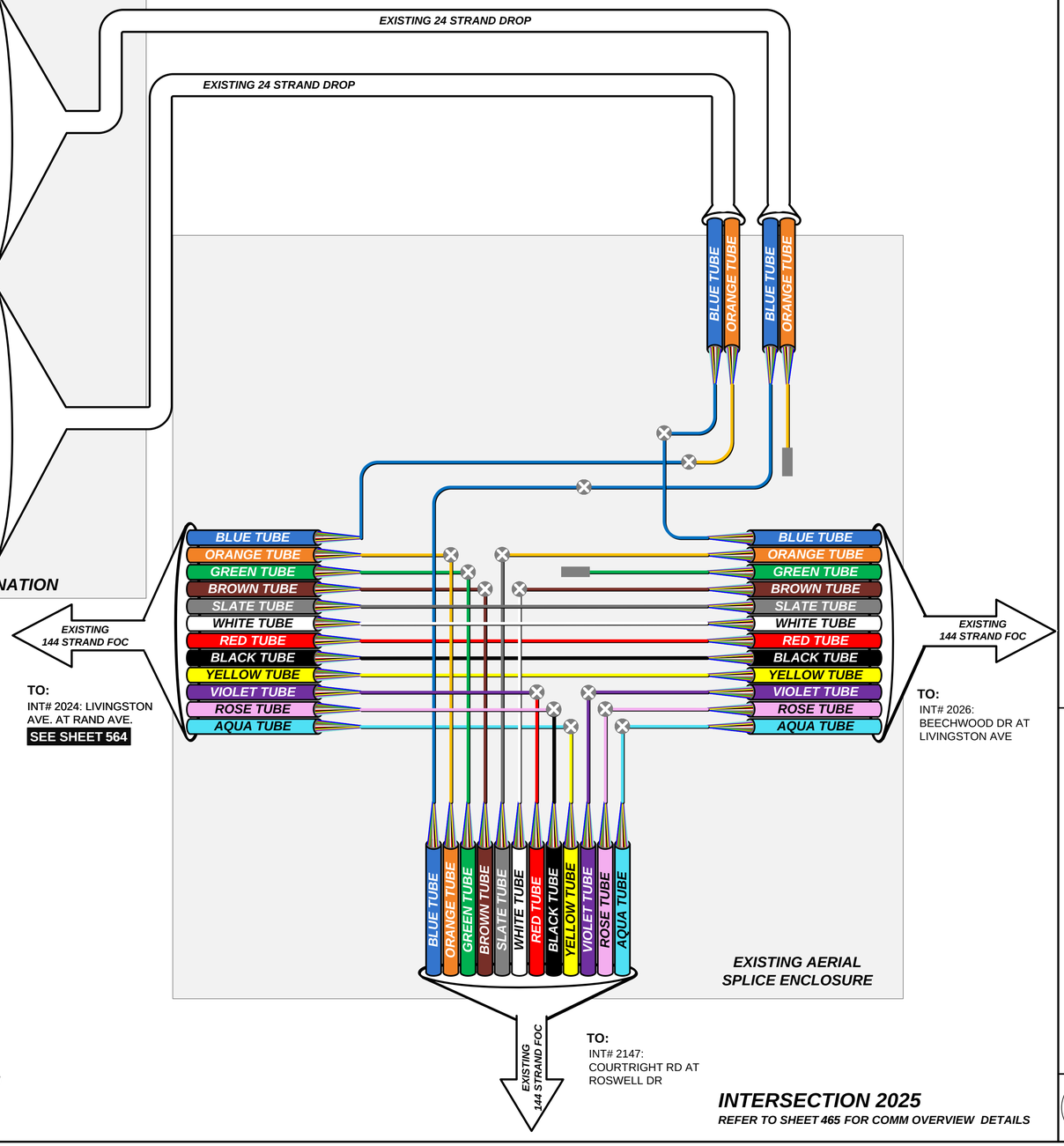
CITY OF COLUMBUS TRAFFIC SIGNAL SYSTEM
(CTSS) PHASE F – FINAL SUBMITTAL

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TRAFFIC SIGNAL CABINET ASSEMBLY

SWITCH	PORT	STATUS	DESTINATION	SHEET NO
1	5	EXISTING	EXISTING CONNECTION TO INT# 2026: BEECHWOOD DR. AT LIVINGSTON AVE.	
1	**6**	**REVISED**	**INT# 2024: LIVINGSTON AVE. AT RAND AVE.**	**564**





LEGEND

- FIBER PATCH CABLES T/R STANDARD
- FIBER PATCH CABLES R/T CROSSOVER
- EXISTING FIBER PATCH CABLES
- OUTDOOR CAT 5E CABLE
- INDOOR CAT 5E CABLE
- CAT 5E CABLE TO BE REMOVED
- TERMINATION PANEL UPC (Blue)/APC (Green)
- EXISTING/PROPOSED FIBER OR BUFFER TUBE LEFT COILED IN SPLICE ENCLOSURE
- FUSION SPLICE – 6 FIBERS/ SINGLE FIBER
- FUSION SPLICE – 12 FIBER BUFFER TUBE
- EXISTING FUSION SPLICE – 12 FIBER BUFFER TUBE
- INTERSECTION LOCATION
- GBIC OPTICAL TRANSCEIVER LH - SHORT HAUL LED ZX – LONG HAUL LASER
- SFP/COPPER/CAT5/5E/6 CONNECTOR
- COPPER/CAT5/5E/6 CONNECTOR
- 144 STRAND SMF
- 288 STRAND SMF
- WIRELESS ETHERNET RADIO

KEY PLAN



NOTE:
NO PROPOSED WORK SHOWN ON THIS SHEET. SHEET SHOWN FOR REVISED PORT DESTINATION

INTERSECTION 2025

REFER TO SHEET 465 FOR COMM OVERVIEW DETAILS

CIP: 540007 - 100012
PID NUMBER: 99733

INT# 2025: COURTRIGHT RD. AT LIVINGSTON AVE.
COMMUNICATIONS DIAGRAM

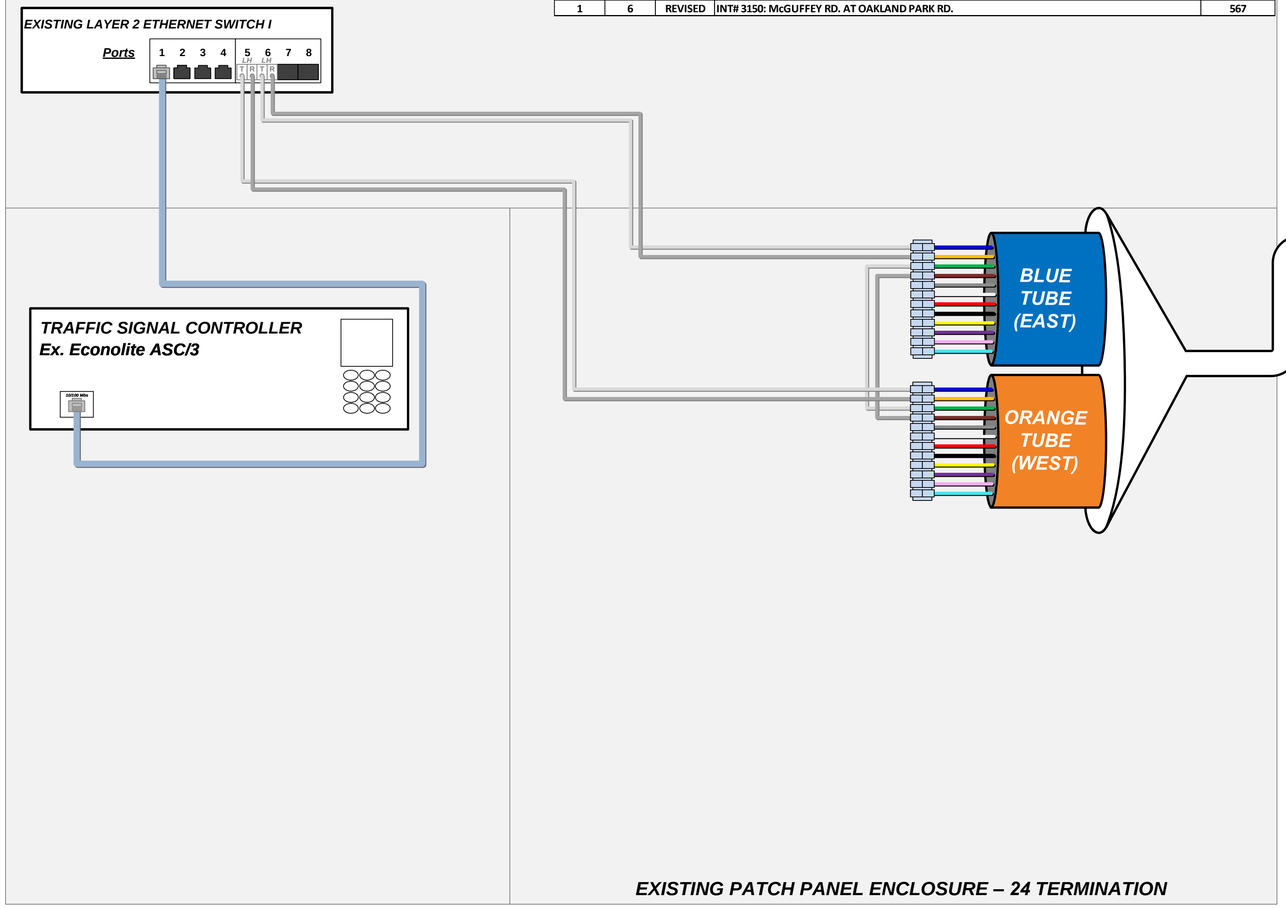
CITY OF COLUMBUS TRAFFIC SIGNAL SYSTEM
(CTSS) PHASE F – FINAL SUBMITTAL

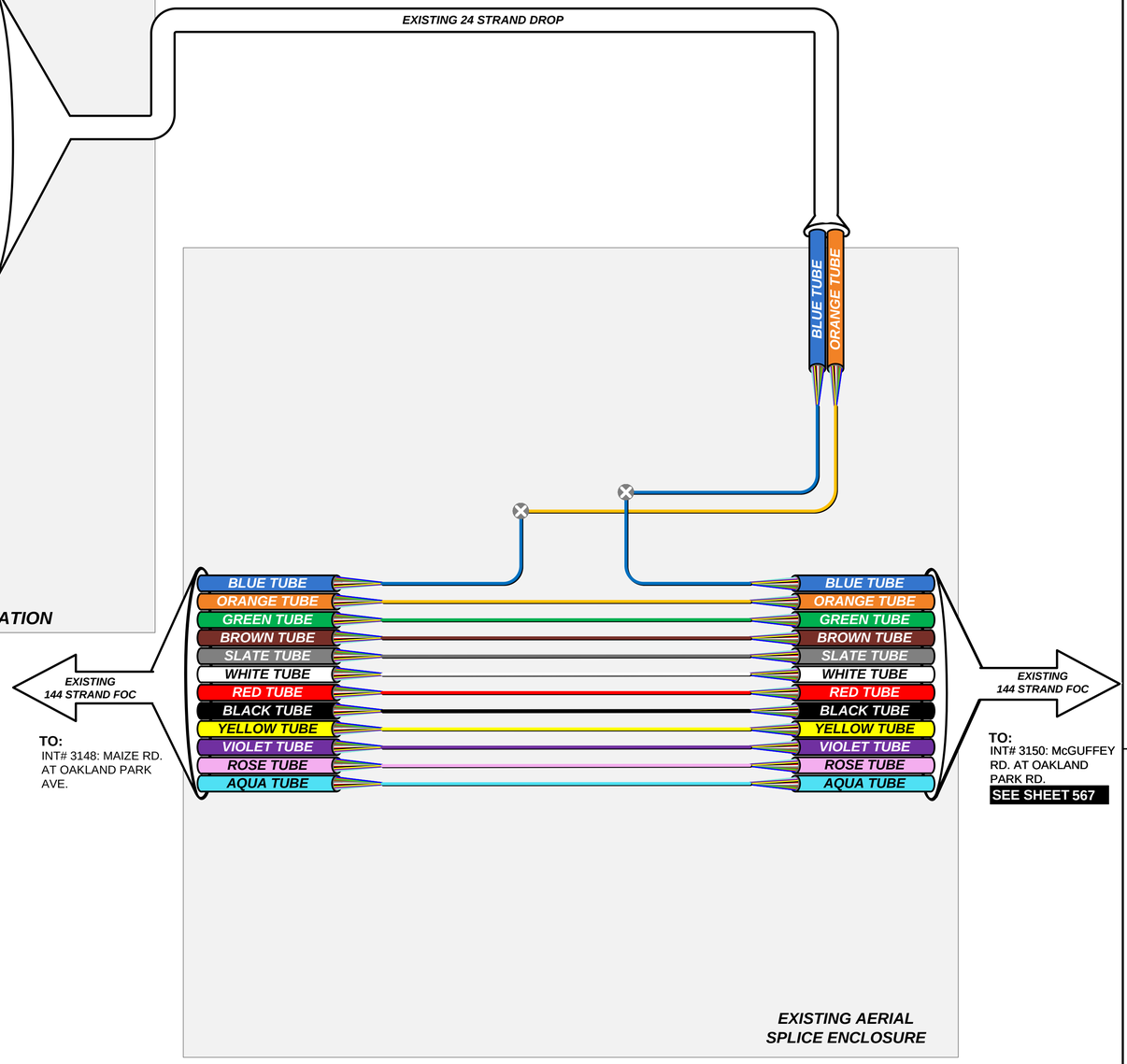
565
768

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TRAFFIC SIGNAL CABINET ASSEMBLY

SWITCH	PORT	STATUS	DESTINATION	SHEET NO
1	5	EXISTING	INT# 3148: MAIZE RD. AT OAKLAND PARK AVE.	
1	**6**	**REVISED**	**INT# 3150: McGUFFEY RD. AT OAKLAND PARK RD.**	**567**

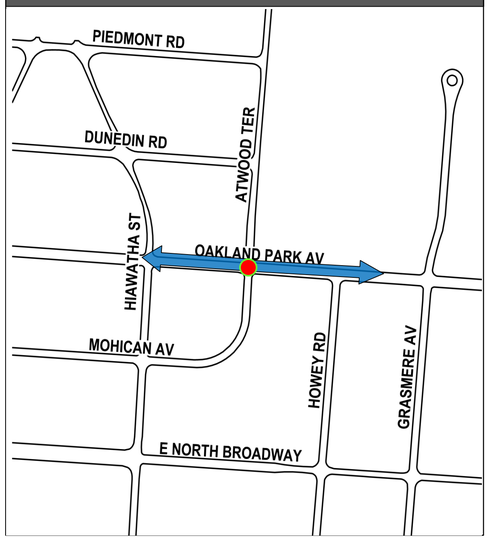




LEGEND

- FIBER PATCH CABLES T/R STANDARD
- FIBER PATCH CABLES R/T CROSSOVER
- EXISTING FIBER PATCH CABLES
- OUTDOOR CAT 5E CABLE
- INDOOR CAT 5E CABLE
- CAT 5E CABLE TO BE REMOVED
- TERMINATION PANEL UPC (Blue)/APC (Green)
- EXISTING/PROPOSED FIBER OR BUFFER TUBE LEFT COILED IN SPLICE ENCLOSURE
- FUSION SPLICE – 6 FIBERS/ SINGLE FIBER
- FUSION SPLICE – 12 FIBER BUFFER TUBE
- EXISTING FUSION SPLICE – 12 FIBER BUFFER TUBE
- INTERSECTION LOCATION
- LH ZX GBIC OPTICAL TRANSCEIVER LH - SHORT HAUL LED ZX – LONG HAUL LASER
- SFP/COPPER/CAT5/5E/6 CONNECTOR
- COPPER/CAT5/5E/6 CONNECTOR
- 144 STRAND SMF
- 288 STRAND SMF
- WIRELESS ETHERNET RADIO

KEY PLAN



NOTE:
NO PROPOSED WORK SHOWN ON THIS SHEET. SHEET SHOWN FOR REVISED PORT DESTINATION

INTERSECTION 3149

REFER TO SHEET 466 FOR COMM OVERVIEW DETAILS

CIP: 540007 - 100012
PID NUMBER: 99733

INT# 3149: ATWOOD TERRACE AT OAKLAND PARK AVE.
COMMUNICATIONS DIAGRAM

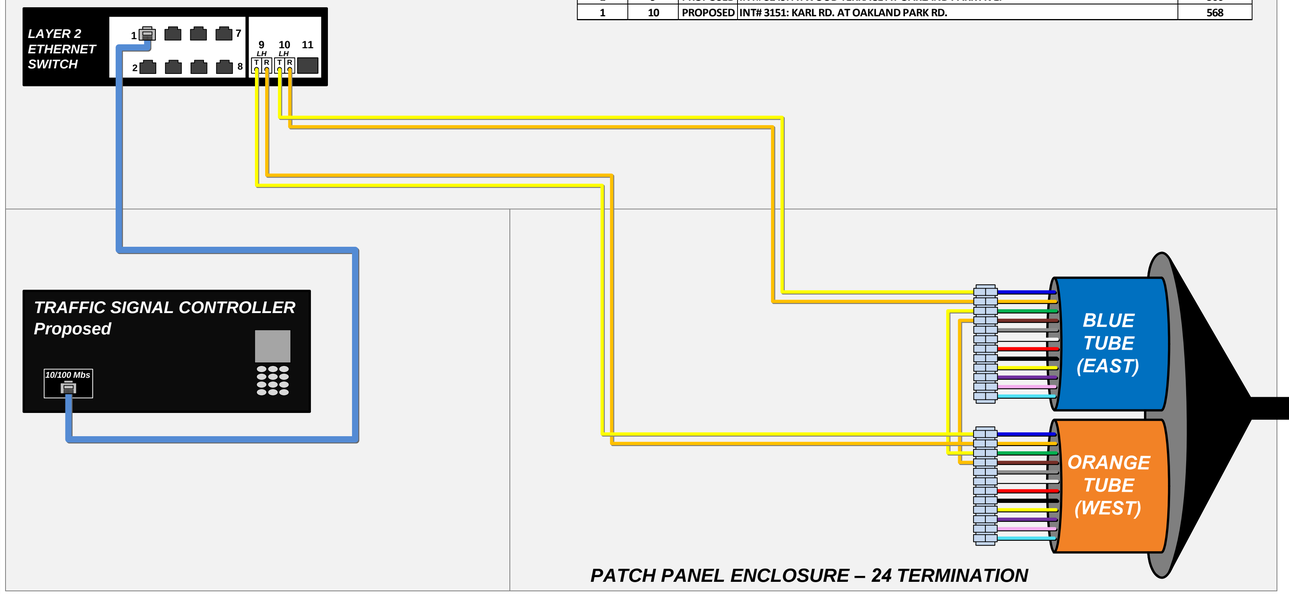
CITY OF COLUMBUS TRAFFIC SIGNAL SYSTEM
(CTSS) PHASE F – FINAL SUBMITTAL

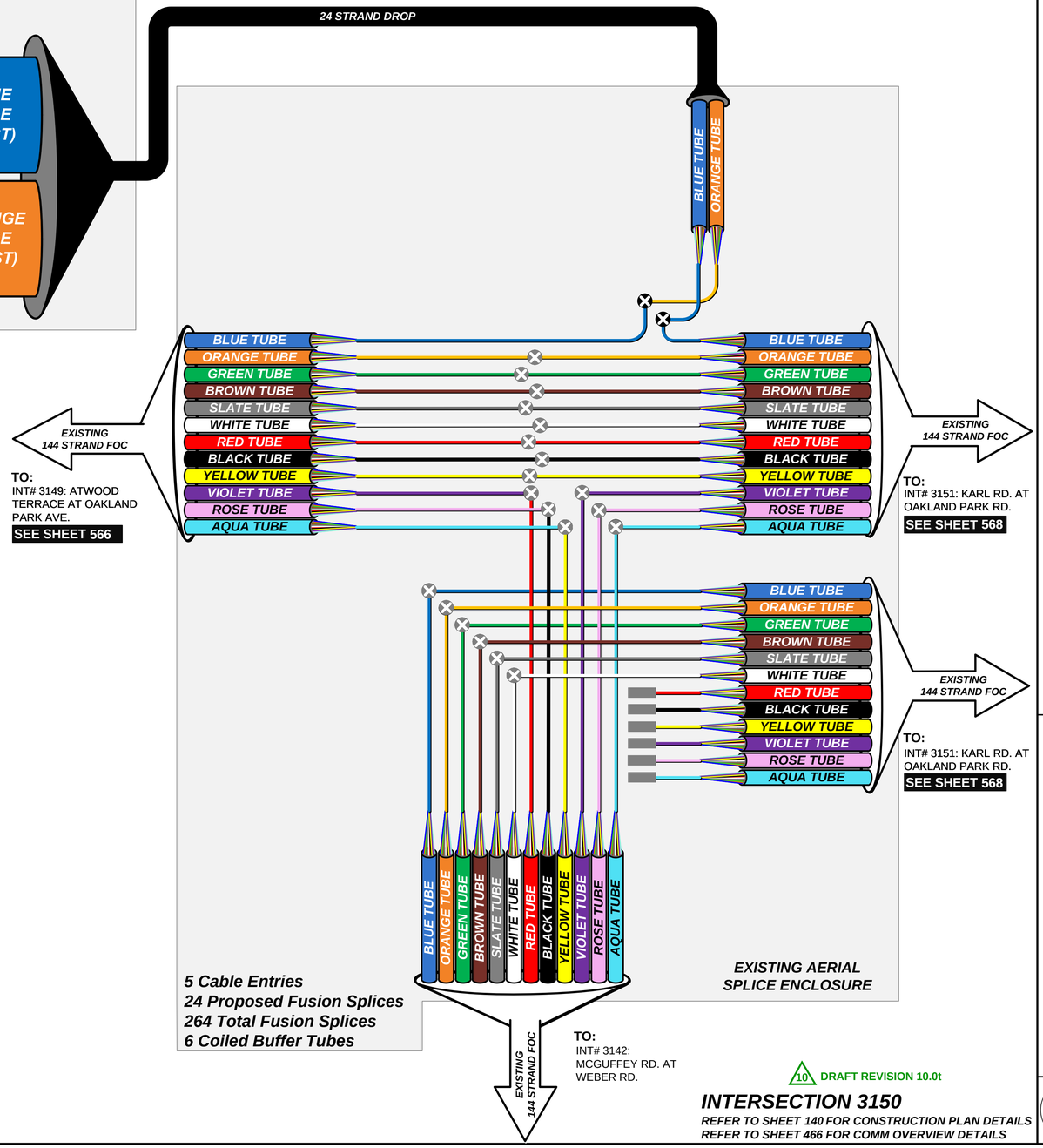
566
768

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TRAFFIC SIGNAL CABINET ASSEMBLY

SWITCH	PORT	STATUS	DESTINATION	SHEET NO
1	9	PROPOSED	INT# 3149: ATWOOD TERRACE AT OAKLAND PARK AVE.	566
1	10	PROPOSED	INT# 3151: KARL RD. AT OAKLAND PARK RD.	568

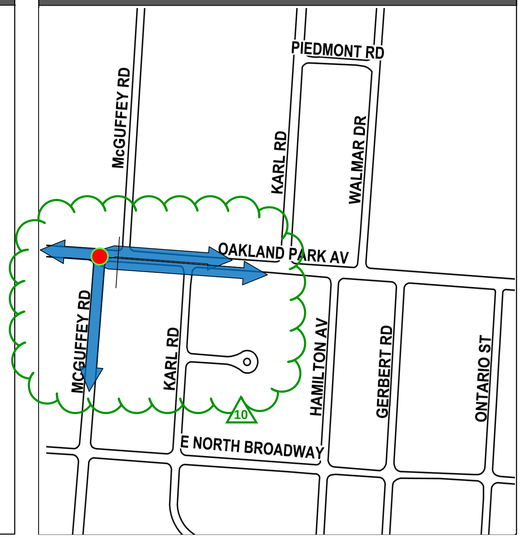




LEGEND

- FIBER PATCH CABLES T/R STANDARD
- FIBER PATCH CABLES R/T CROSSOVER
- EXISTING FIBER PATCH CABLES
- OUTDOOR CAT 5E CABLE
- INDOOR CAT 5E CABLE
- CAT 5E CABLE TO BE REMOVED
- TERMINATION PANEL UPC (Blue)/APC (Green)
- EXISTING/PROPOSED FIBER OR BUFFER TUBE LEFT COILED IN SPLICE ENCLOSURE
- FUSION SPLICE – 6 FIBERS/ SINGLE FIBER
- FUSION SPLICE – 12 FIBER BUFFER TUBE
- EXISTING FUSION SPLICE – 12 FIBER BUFFER TUBE
- INTERSECTION LOCATION
- GBIC OPTICAL TRANSCEIVER LH - SHORT HAUL LED ZX – LONG HAUL LASER
- SFP/COPPER/CAT5/5E/6 CONNECTOR
- COPPER/CAT5/5E/6 CONNECTOR
- 144 STRAND SMF
- 288 STRAND SMF
- WIRELESS ETHERNET RADIO

KEY PLAN



10 DRAFT REVISION 10.0t

INTERSECTION 3150

REFER TO SHEET 140 FOR CONSTRUCTION PLAN DETAILS
REFER TO SHEET 466 FOR COMM OVERVIEW DETAILS

CIP: 540007 - 100012
PID NUMBER: 99733

INT# 3150: McGUFFEY RD. AT OAKLAND PARK RD.
COMMUNICATIONS DIAGRAM

CITY OF COLUMBUS TRAFFIC SIGNAL SYSTEM
(CTSS) PHASE F – FINAL SUBMITTAL

567
768

J:\Jobs\70202 - CTSS Phase F\TECHPROD\Communications\Intersection Splicing Details\549-569.vsd - 3150 layout ~ last saved by: skoganti 6/3/2024 12:29:15 PM ~ printed: 6/3/2024 12:29:15 PM

TRAFFIC SIGNAL CABINET ASSEMBLY

EXISTING LAYER 2 ETHERNET SWITCH I

Ports 1 2 3 4 5 LH 6 LH 7 LH 8 LH

TRAFFIC SIGNAL CONTROLLER
Ex. Econolite ASC/3

10/100 Mbs

CCTV FIELD BOX
- VIDEO/PTZ IP DATA
- CCTV/HEATER POWER
- ANALOG VIDEO

COMPOSITE CCTV CABLE

EXISTING CCTV

EXISTING PATCH PANEL ENCLOSURE – (2)-24 TERMINATION

BLUE TUBE (NORTH)

ORANGE TUBE (WEST)

BLUE TUBE (EAST)

ORANGE TUBE (WEST TO SOUTH)

PATCH PANEL ENCLOSURE – 24 TERMINATION

SWITCH	PORT	STATUS	DESTINATION	SHEET NO
1	5	EXISTING	EXISTING CONNECTION TO INT# 3150: MCGUFFEY RD. AT OAKLAND PARK AVE.	567
1	6	EXISTING	EXISTING CONNECTION TO INT# 3152: MEDINA AVE. AT OAKLAND PARK RD.	10
1	7	EXISTING	AT WEBER RD.	
1	**8**	**PROPOSED**	**INT# 3152: MEDINA AVE. AT OAKLAND PARK RD.**	**569**

EXISTING 24 STRAND DROP

EXISTING 24 STRAND DROP

EXISTING 144 STRAND FOC

TO: INT# 3155: HUY RD. & LENORE RD. AT KARL RD.

BLUE TUBE
ORANGE TUBE
GREEN TUBE
BROWN TUBE
SLATE TUBE
WHITE TUBE
RED TUBE
BLACK TUBE
YELLOW TUBE
VIOLET TUBE
ROSE TUBE
AQUA TUBE

EXISTING 144 STRAND FOC

TO: INT# 3150: OAKLAND PARK AVE AT MCGUFFEY RD

144 STRAND FOC

TO: INT# 3152: MEDINA AVE. AT OAKLAND PARK RD. SEE SHEET 569

EXISTING 144 STRAND FOC

TO: INT# 3150: OAKLAND PARK AVE AT MCGUFFEY RD

10 DRAFT REVISION 10.0

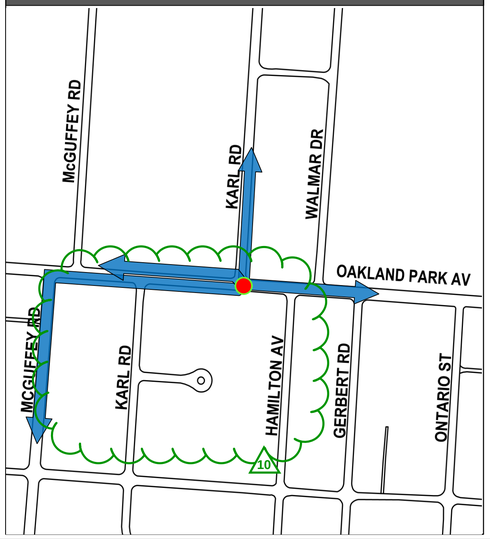
7 Cable Entries
12 Proposed Fusion Splices
180 Total Fusion Splices
24 Coiled Buffer Tubes

EXISTING AERIAL SPLICE ENCLOSURE

LEGEND

- FIBER PATCH CABLES T/R STANDARD
- FIBER PATCH CABLES R/T CROSSOVER
- EXISTING FIBER PATCH CABLES
- OUTDOOR CAT 5E CABLE
- INDOOR CAT 5E CABLE
- CAT 5E CABLE TO BE REMOVED
- TERMINATION PANEL UPC (Blue)/APC (Green)
- EXISTING/PROPOSED FIBER OR BUFFER TUBE LEFT COILED IN SPLICE ENCLOSURE
- FUSION SPLICE – 6 FIBERS/ SINGLE FIBER
- FUSION SPLICE – 12 FIBER BUFFER TUBE
- EXISTING FUSION SPLICE – 12 FIBER BUFFER TUBE
- INTERSECTION LOCATION
- GBIC OPTICAL TRANSCEIVER LH - SHORT HAUL LED ZX – LONG HAUL LASER
- SFP/COPPER/CAT5/5E/6 CONNECTOR
- COPPER/CAT5/5E/6 CONNECTOR
- 144 STRAND SMF
- 288 STRAND SMF
- WIRELESS ETHERNET RADIO

KEY PLAN



INTERSECTION 3151

REFER TO SHEET 141 FOR CONSTRUCTION PLAN DETAILS
REFER TO SHEET 466 FOR COMM OVERVIEW DETAILS

CIP: 540007 - 100012
PID NUMBER: 99733

INT# 3151: KARL RD. AT OAKLAND PARK RD.
COMMUNICATIONS DIAGRAM

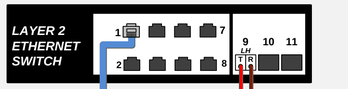
CITY OF COLUMBUS TRAFFIC SIGNAL SYSTEM
(CTSS) PHASE F – FINAL SUBMITTAL

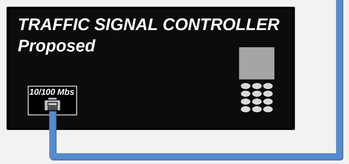
568
768

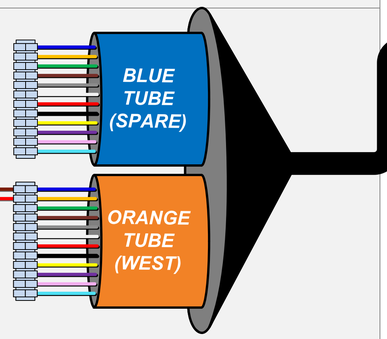
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TRAFFIC SIGNAL CABINET ASSEMBLY

SWITCH	PORT	STATUS	DESTINATION	SHEET NO
1	9	PROPOSED	INT# 3151: KARL RD. AT OAKLAND PARK RD.	568



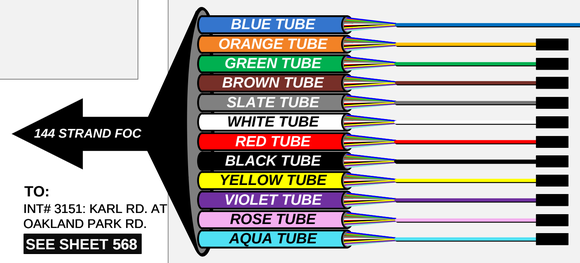




PATCH PANEL ENCLOSURE – 24 TERMINATION

24 STRAND DROP





TO:
INT# 3151: KARL RD. AT OAKLAND PARK RD.
SEE SHEET 568

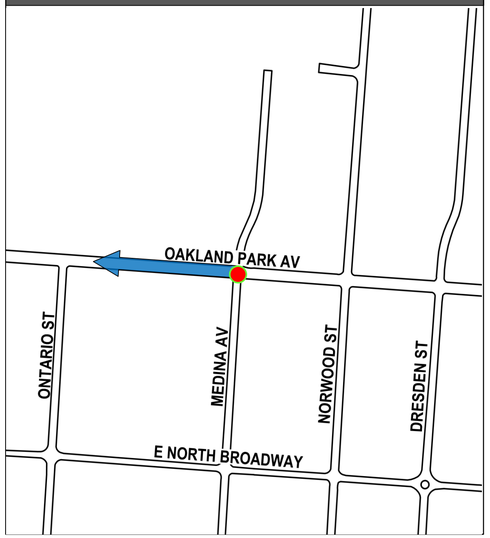
2 Cable Entries
12 Proposed Fusion Splices
12 Coiled Buffer Tubes

DOME, 288 FUSION SPLICE, AERIAL SPLICE ENCLOSURE

LEGEND

- FIBER PATCH CABLES T/R STANDARD
- FIBER PATCH CABLES R/T CROSSOVER
- EXISTING FIBER PATCH CABLES
- OUTDOOR CAT 5E CABLE
- INDOOR CAT 5E CABLE
- CAT 5E CABLE TO BE REMOVED
- TERMINATION PANEL UPC (Blue)/APC (Green)
- EXISTING/PROPOSED FIBER OR BUFFER TUBE LEFT COILED IN SPLICE ENCLOSURE
- FUSION SPLICE – 6 FIBERS/ SINGLE FIBER
- FUSION SPLICE – 12 FIBER BUFFER TUBE
- EXISTING FUSION SPLICE – 12 FIBER BUFFER TUBE
- INTERSECTION LOCATION
- GBIC OPTICAL TRANSCEIVER LH - SHORT HAUL LED ZX – LONG HAUL LASER
- SFP/COPPER/CAT5/5E/6 CONNECTOR
- COPPER/CAT5/5E/6 CONNECTOR
- 144 STRAND SMF
- 288 STRAND SMF
- WIRELESS ETHERNET RADIO

KEY PLAN



INTERSECTION 3152
REFER TO SHEET 142 FOR CONSTRUCTION PLAN DETAILS
REFER TO SHEET 466 FOR COMM OVERVIEW DETAILS

CIP: 540007 - 100012
PID NUMBER: 99733

INT# 3152: MEDINA AVE. AT OAKLAND PARK RD.
COMMUNICATIONS DIAGRAM

CITY OF COLUMBUS TRAFFIC SIGNAL SYSTEM
(CTSS) PHASE F – FINAL SUBMITTAL

569
768

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TRAFFIC SIGNAL CABINET ASSEMBLY

SWITCH	PORT	STATUS	DESTINATION	SHEET NO
1	5	EXISTING	EXISTING CONNECTION TO INT# 3233: POLARIS PKWY. AT CAPELLA DR./MCCOY CENTER WAY	
1	6	EXISTING	EXISTING CONNECTION TO INT# 3236: OLD STATE RD. AT POLARIS PKWY.	

EXISTING LAYER 2 ETHERNET SWITCH

Ports 1 2 3 4 5 6 7 8

TRAFFIC SIGNAL CONTROLLER
Ex. Econolite ASC/3

EXISTING COMPOSITE CCTV CABLE

EXISTING CCTV

EXISTING 24 STRAND DROP

24 STRAND DROP

BLUE TUBE (NORTH)

ORANGE TUBE (SOUTH)

EXISTINGPATCH PANEL ENCLOSURE – 24 TERMINATION

BLUE TUBE (EAST)

ORANGE TUBE (SPARE)

EXISTING CCTV CABINET

EXISTING CCTV FIELD BOX

VIDEO/PTZ IP DATA

CCTV/HEATER POWER

10/100 Mbs

ANALOG VIDEO

PATCH PANEL ENCLOSURE – 24 TERMINATION

EXISTING 144 STRAND FOC

TO:
INT# 3236: OLD STATE RD AT POLARIS PKWY

BLUE TUBE
ORANGE TUBE
GREEN TUBE
BROWN TUBE
SLATE TUBE
WHITE TUBE
RED TUBE
BLACK TUBE
YELLOW TUBE
VIOLET TUBE
ROSE TUBE
AQUA TUBE

BLUE TUBE
ORANGE TUBE

BLUE TUBE
ORANGE TUBE

BLUE TUBE
ORANGE TUBE
GREEN TUBE
BROWN TUBE
SLATE TUBE
WHITE TUBE
RED TUBE
BLACK TUBE
YELLOW TUBE
VIOLET TUBE
ROSE TUBE
AQUA TUBE

144 STRAND FOC

TO:
INT# 3282: ANTARES AVE. AT GEMINI PL.
SEE SHEET 571

12

12

5 Cable Entries
36 Proposed Fusion Splices
60 Total Fusion Splices
12 Coiled Buffer Tubes
10 Buffer Tubes Passed Through Unspliced

DOME, 800 FUSION SPLICE, UNDERGROUND SPLICE ENCLOSURE

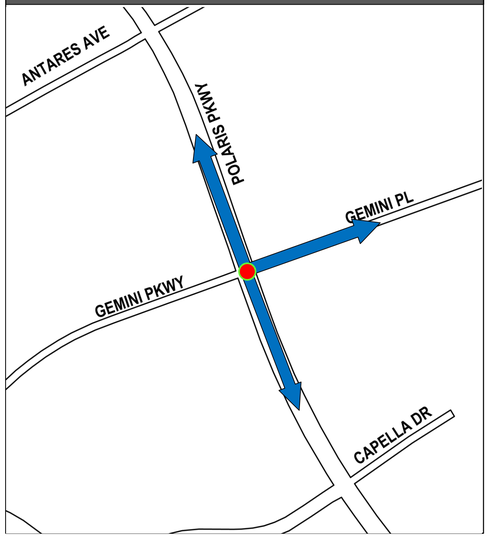
EXISTING 144 STRAND FOC

TO:
INT# 3233: POLARIS PKWY AT CAPELLA DR/MCCOY CENTER WAY

LEGEND

- FIBER PATCH CABLES T/R STANDARD
- FIBER PATCH CABLES R/T CROSSOVER
- EXISTING FIBER PATCH CABLES
- OUTDOOR CAT 5E CABLE
- INDOOR CAT 5E CABLE
- CAT 5E CABLE TO BE REMOVED
- TERMINATION PANEL UPC (Blue)/APC (Green)
- EXISTING/PROPOSED FIBER OR BUFFER TUBE LEFT COILED IN SPLICE ENCLOSURE
- FUSION SPLICE – 6 FIBERS/ SINGLE FIBER
- FUSION SPLICE – 12 FIBER BUFFER TUBE
- EXISTING FUSION SPLICE – 12 FIBER BUFFER TUBE
- INTERSECTION LOCATION
- GBIC OPTICAL TRANSCEIVER LH - SHORT HAUL LED ZX – LONG HAUL LASER
- SFP/COPPER/CAT5/5E/6 CONNECTOR
- COPPER/CAT5/5E/6 CONNECTOR
- 144 STRAND SMF
- 288 STRAND SMF
- WIRELESS ETHERNET RADIO

KEY PLAN



12 DRAFT REVISION 12.0

INTERSECTION 3234

REFER TO SHEET 144 FOR CONSTRUCTION PLAN DETAILS
REFER TO SHEET 467 FOR COMM OVERVIEW DETAILS

CIP: 540007 - 100012
PID NUMBER: 99733

INT# 3234: GEMINI PL. AT POLARIS PKWY.
COMMUNICATIONS DIAGRAM

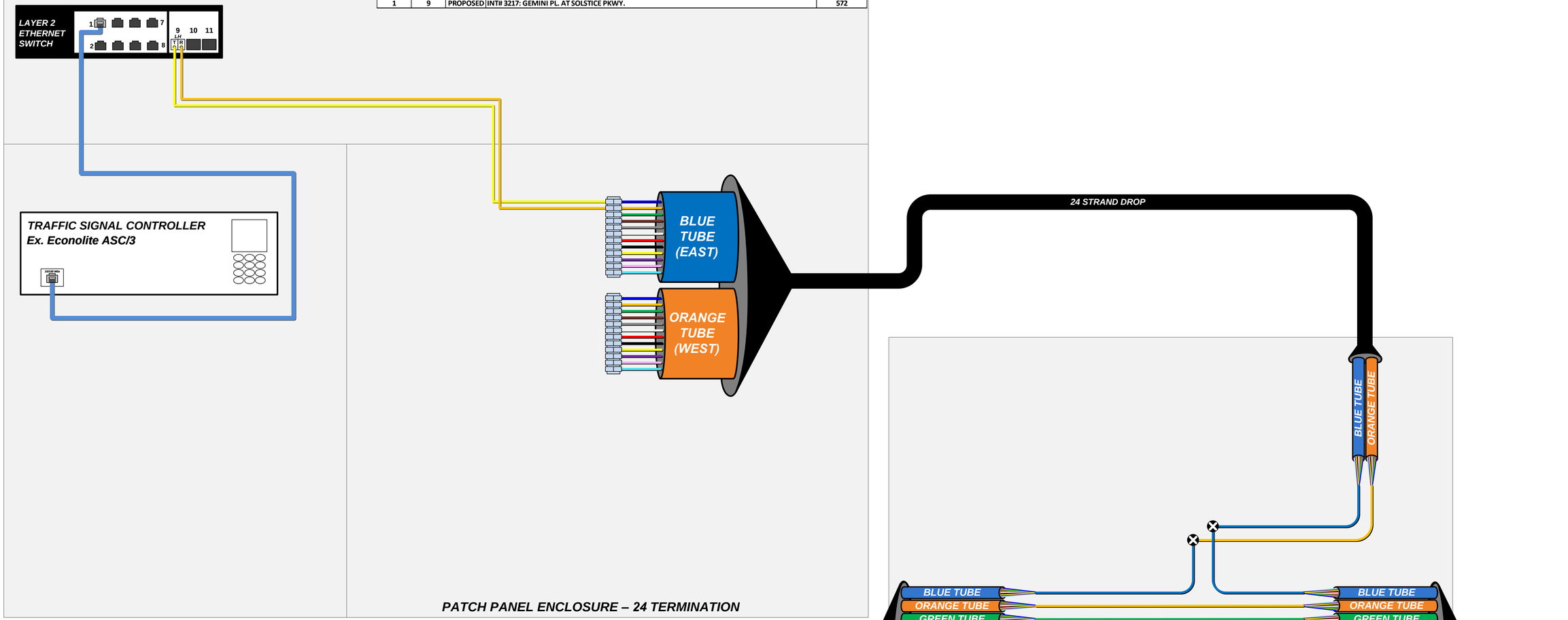
CITY OF COLUMBUS TRAFFIC SIGNAL SYSTEM
(CTSS) PHASE F – FINAL SUBMITTAL

570
768

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TRAFFIC SIGNAL CABINET ASSEMBLY

SWITCH	PORT	STATUS	DESTINATION	SHEET NO
1	9	PROPOSED	INT# 3217: GEMINI PL. AT SOLSTICE PKWY.	572



PATCH PANEL ENCLOSURE – 24 TERMINATION

TO:

INT# 3234: GEMINI PL.
AT POLARIS PKWY.
SEE SHEET 570

TO:

INT# 3217: GEMINI PL.
AT SOLSTICE PKWY.
SEE SHEET 572

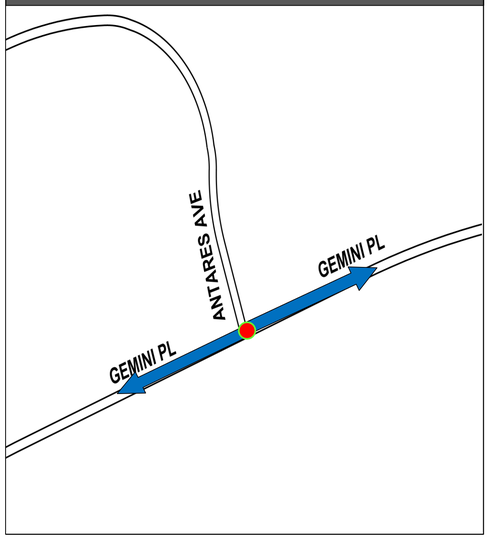
3 Cable Entries
24 Proposed Fusion Splices
11 Buffer Tubes Passed Through Unspliced

DOME, 288 FUSION SPLICE, UNDERGROUND SPLICE ENCLOSURE

LEGEND

- FIBER PATCH CABLES T/R STANDARD
- FIBER PATCH CABLES R/T CROSSOVER
- EXISTING FIBER PATCH CABLES
- OUTDOOR CAT 5E CABLE
- INDOOR CAT 5E CABLE
- CAT 5E CABLE TO BE REMOVED
- TERMINATION PANEL UPC (Blue)/APC (Green)
- EXISTING/PROPOSED FIBER OR BUFFER TUBE LEFT COILED IN SPLICE ENCLOSURE
- FUSION SPLICE – 6 FIBERS/ SINGLE FIBER
- FUSION SPLICE – 12 FIBER BUFFER TUBE
- EXISTING FUSION SPLICE – 12 FIBER BUFFER TUBE
- INTERSECTION LOCATION
- GBIC OPTICAL TRANSCEIVER LH - SHORT HAUL LED ZX – LONG HAUL LASER
- SFP/COPPER/CAT5/5E/6 CONNECTOR
- COPPER/CAT5/5E/6 CONNECTOR
- 144 STRAND SMF
- 288 STRAND SMF
- WIRELESS ETHERNET RADIO

KEY PLAN



INTERSECTION 3282

REFER TO SHEET 145 FOR CONSTRUCTION PLAN DETAILS
REFER TO SHEET 467 FOR COMM OVERVIEW DETAILS

CIP: 540007 - 100012
PID NUMBER: 99733

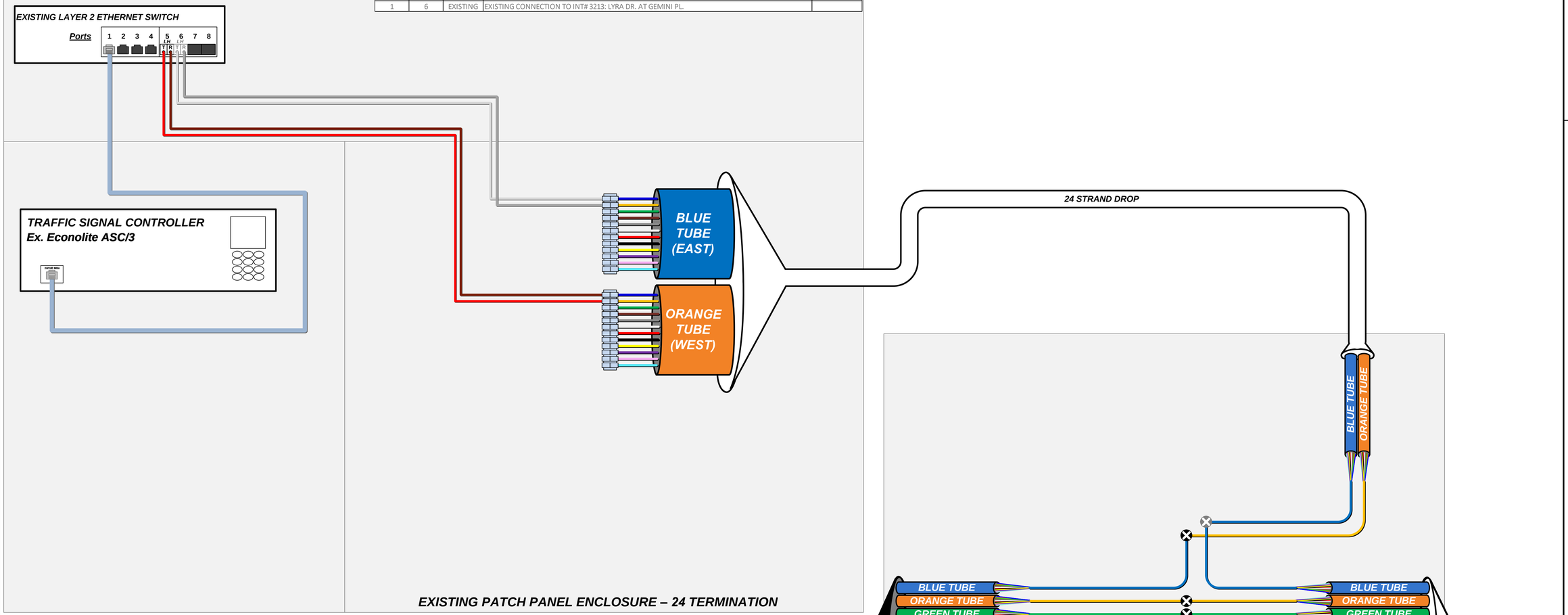
INT# 3282: ANTARES AVE. AT GEMINI PL.
COMMUNICATIONS DIAGRAM

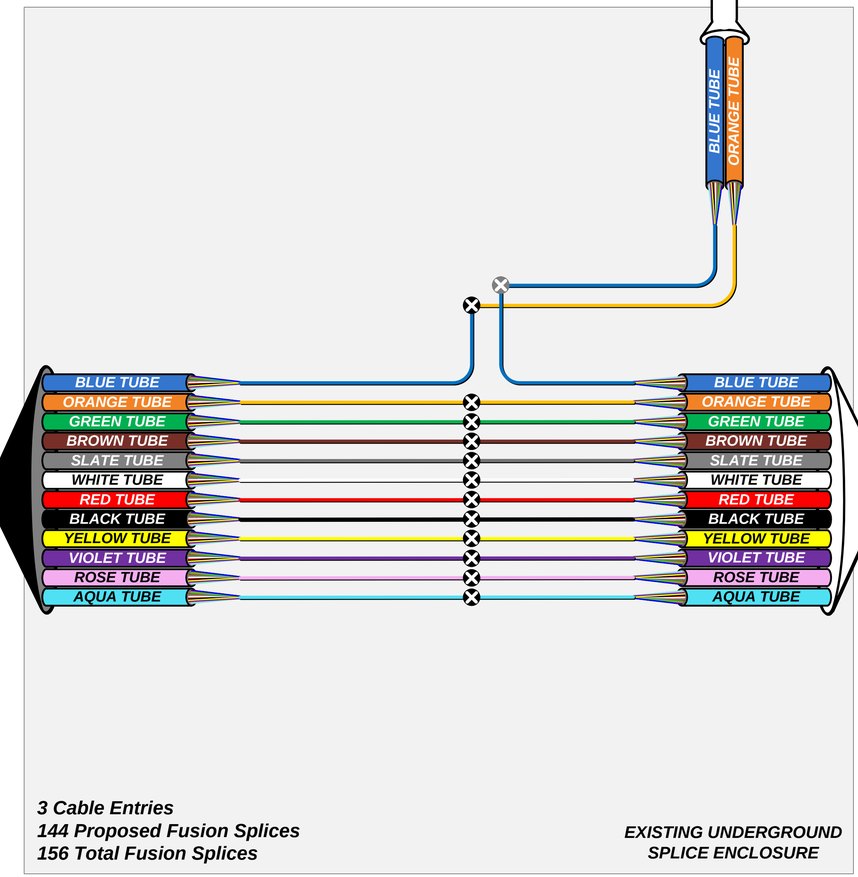
CITY OF COLUMBUS TRAFFIC SIGNAL SYSTEM
(CTSS) PHASE F – FINAL SUBMITTAL

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TRAFFIC SIGNAL CABINET ASSEMBLY

SWITCH	PORT	STATUS	DESTINATION	SHEET NO
1	5	PROPOSED	INT# 3282: ANTARES AVE. AT GEMINI PL.	571
1	6	EXISTING	EXISTING CONNECTION TO INT# 3213: LYRA DR. AT GEMINI PL.	

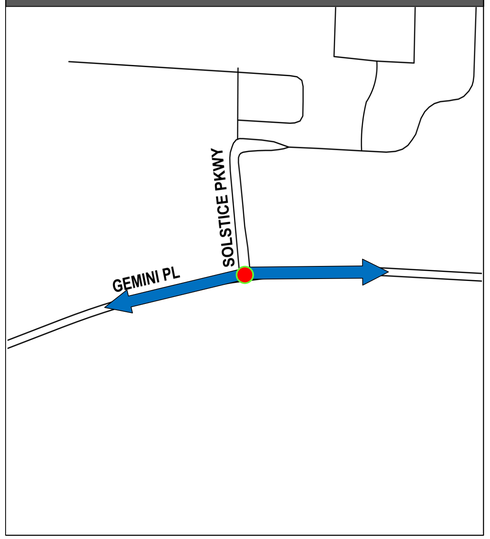




LEGEND

- FIBER PATCH CABLES T/R STANDARD
- FIBER PATCH CABLES R/T CROSSOVER
- EXISTING FIBER PATCH CABLES
- OUTDOOR CAT 5E CABLE
- INDOOR CAT 5E CABLE
- CAT 5E CABLE TO BE REMOVED
- TERMINATION PANEL UPC (Blue)/APC (Green)
- EXISTING/PROPOSED FIBER OR BUFFER TUBE LEFT COILED IN SPLICE ENCLOSURE
- FUSION SPLICE – 6 FIBERS/ SINGLE FIBER
- FUSION SPLICE – 12 FIBER BUFFER TUBE
- EXISTING FUSION SPLICE – 12 FIBER BUFFER TUBE
- INTERSECTION LOCATION
- GBIC OPTICAL TRANSCEIVER LH - SHORT HAUL LED ZX – LONG HAUL LASER
- SFP/COPPER/CAT5/5E/6 CONNECTOR
- COPPER/CAT5/5E/6 CONNECTOR
- 144 STRAND SMF
- 288 STRAND SMF
- WIRELESS ETHERNET RADIO

KEY PLAN



INTERSECTION 3217

REFER TO SHEET 146 FOR CONSTRUCTION PLAN DETAILS
REFER TO SHEET 467 FOR COMM OVERVIEW DETAILS

CIP: 540007 - 100012
PID NUMBER: 99733

INT# 3217: GEMINI PL. AT SOLSTICE PKWY.
COMMUNICATIONS DIAGRAM

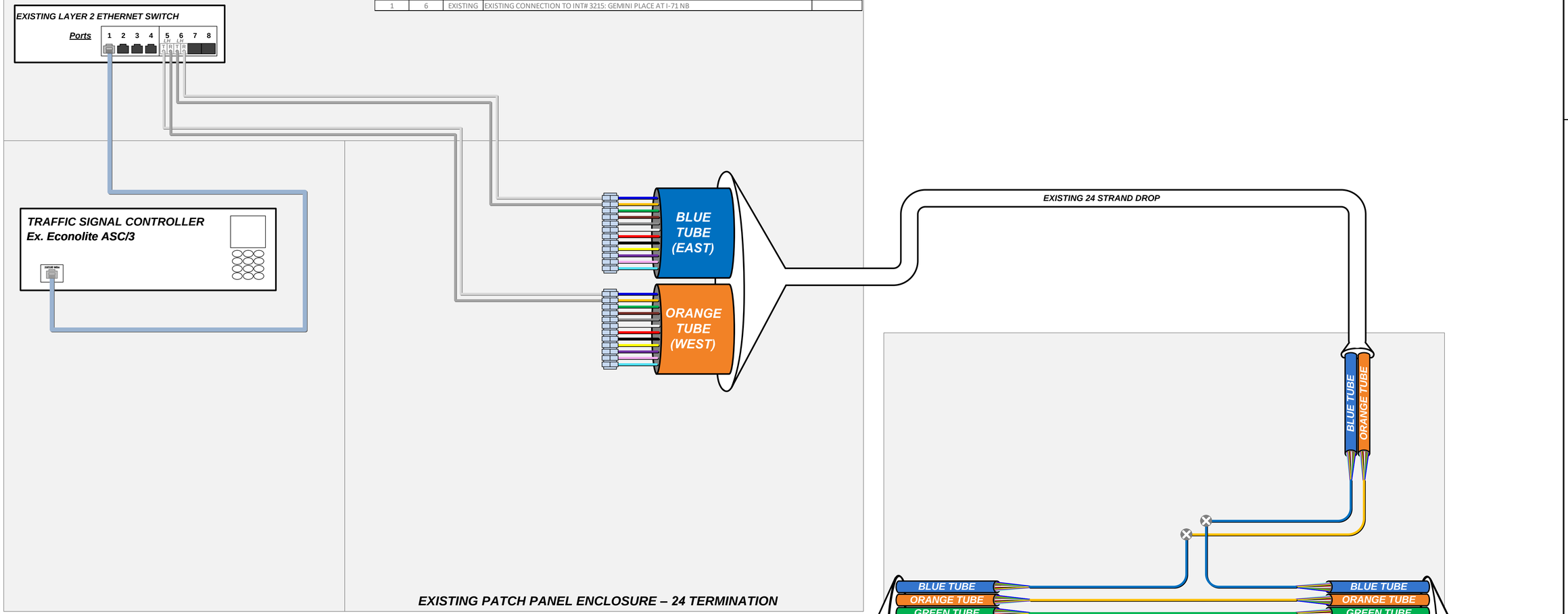
CITY OF COLUMBUS TRAFFIC SIGNAL SYSTEM
(CTSS) PHASE F – FINAL SUBMITTAL

572
768

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TRAFFIC SIGNAL CABINET ASSEMBLY

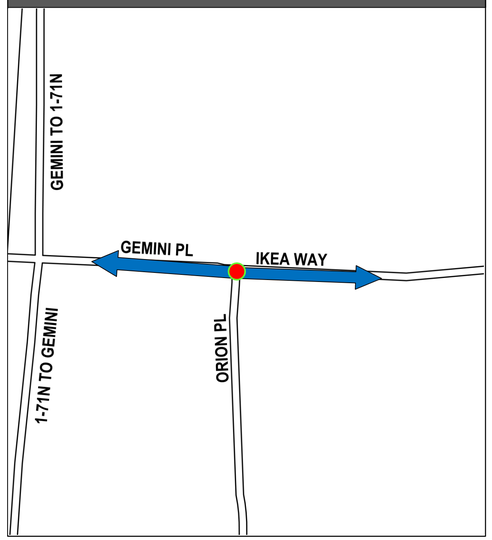
SWITCH	PORT	STATUS	DESTINATION	SHEET NO
1	5	REVISED	INT# 3312: FERMI DR. AT IKEA WAY	574
1	6	EXISTING	EXISTING CONNECTION TO INT# 3215: GEMINI PLACE AT I-71 NB	



LEGEND

- FIBER PATCH CABLES T/R STANDARD
- FIBER PATCH CABLES R/T CROSSOVER
- EXISTING FIBER PATCH CABLES
- OUTDOOR CAT 5E CABLE
- INDOOR CAT 5E CABLE
- CAT 5E CABLE TO BE REMOVED
- TERMINATION PANEL UPC (Blue)/APC (Green)
- EXISTING/PROPOSED FIBER OR BUFFER TUBE LEFT COILED IN SPLICE ENCLOSURE
- FUSION SPLICE – 6 FIBERS/ SINGLE FIBER
- FUSION SPLICE – 12 FIBER BUFFER TUBE
- EXISTING FUSION SPLICE – 12 FIBER BUFFER TUBE
- INTERSECTION LOCATION
- GBIC OPTICAL TRANSCEIVER LH - SHORT HAUL LED ZX – LONG HAUL LASER
- SFP/COPPER/CAT5/5E/6 CONNECTOR
- COPPER/CAT5/5E/6 CONNECTOR
- 144 STRAND SMF
- 288 STRAND SMF
- WIRELESS ETHERNET RADIO

KEY PLAN



NOTE:
NO PROPOSED WORK SHOWN ON THIS SHEET. SHEET SHOWN FOR REVISED PORT DESTINATION

INTERSECTION 3311

REFER TO SHEET 511 FOR COMM OVERVIEW DETAILS

CIP: 540007 - 100012
PID NUMBER: 99733

INT# 3311: POLARIS PKWY. AT ORION PL.
COMMUNICATIONS DIAGRAM

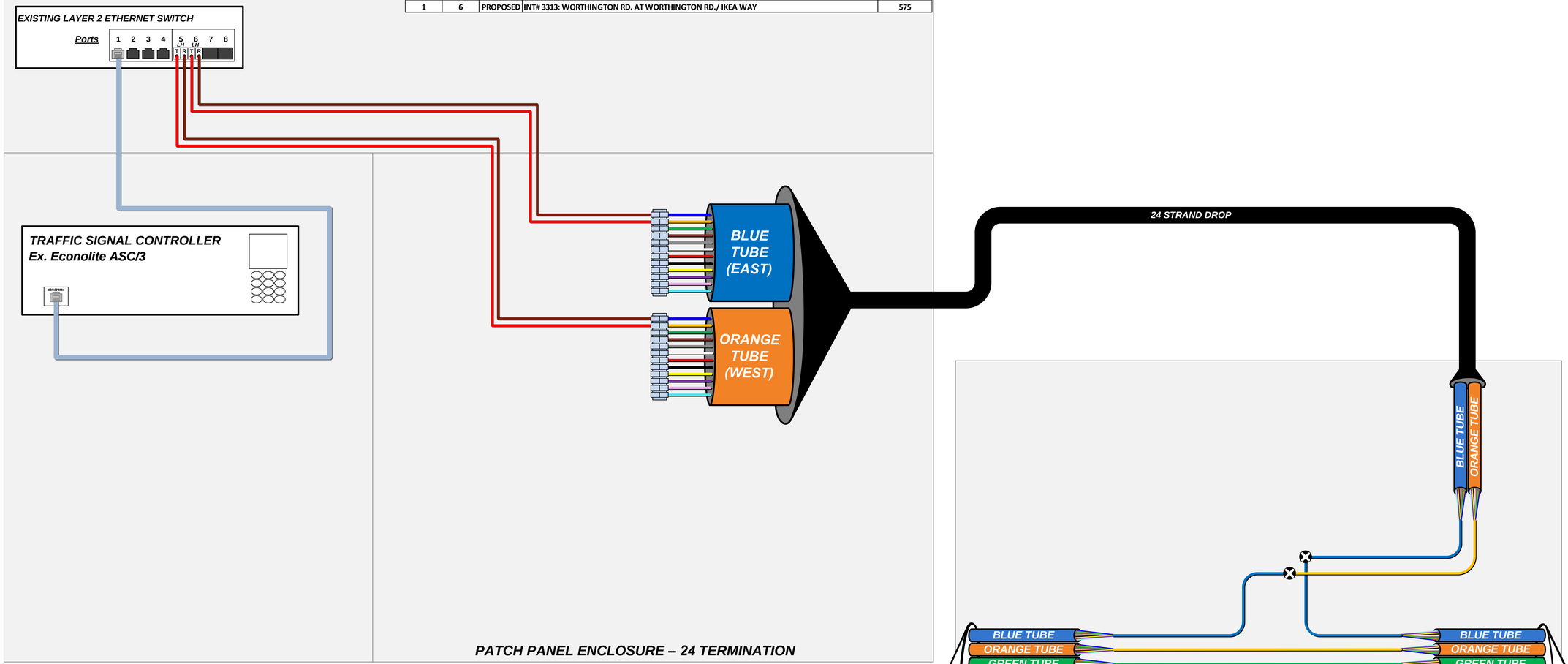
CITY OF COLUMBUS TRAFFIC SIGNAL SYSTEM
(CTSS) PHASE F – FINAL SUBMITTAL

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TRAFFIC SIGNAL CABINET ASSEMBLY

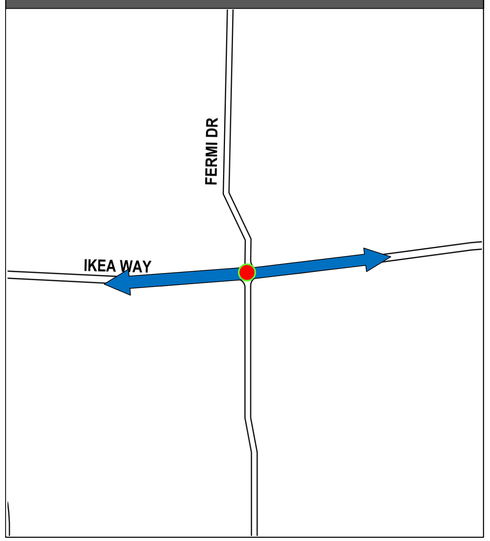
SWITCH	PORT	STATUS	DESTINATION	SHEET NO
1	5	PROPOSED	INT# 3311: POLARIS PKWY. AT ORION PL.	573
1	6	PROPOSED	INT# 3313: WORTHINGTON RD. AT WORTHINGTON RD./ IKEA WAY	575



LEGEND

- FIBER PATCH CABLES T/R STANDARD
- FIBER PATCH CABLES R/T CROSSOVER
- EXISTING FIBER PATCH CABLES
- OUTDOOR CAT 5E CABLE
- INDOOR CAT 5E CABLE
- CAT 5E CABLE TO BE REMOVED
- TERMINATION PANEL UPC (Blue)/APC (Green)
- EXISTING/PROPOSED FIBER OR BUFFER TUBE LEFT COILED IN SPLICE ENCLOSURE
- FUSION SPLICE – 6 FIBERS/ SINGLE FIBER
- FUSION SPLICE – 12 FIBER BUFFER TUBE
- EXISTING FUSION SPLICE – 12 FIBER BUFFER TUBE
- INTERSECTION LOCATION
- LH ZX GBIC OPTICAL TRANSCEIVER LH - SHORT HAUL LED ZX – LONG HAUL LASER
- SFP/COPPER/CAT5/5E/6 CONNECTOR
- COPPER/CAT5/5E/6 CONNECTOR
- 144 STRAND SMF
- 288 STRAND SMF
- WIRELESS ETHERNET RADIO

KEY PLAN



INTERSECTION 3312

REFER TO SHEET 148 FOR CONSTRUCTION PLAN DETAILS
REFER TO SHEET 468 FOR COMM OVERVIEW DETAILS

CIP: 540007 - 100012
PID NUMBER: 99733

INT# 3312: FERMI DR. AT IKEA WAY
COMMUNICATIONS DIAGRAM

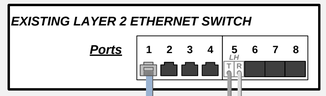
CITY OF COLUMBUS TRAFFIC SIGNAL SYSTEM
(CTSS) PHASE F – FINAL SUBMITTAL

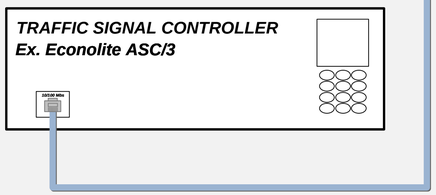
574
768

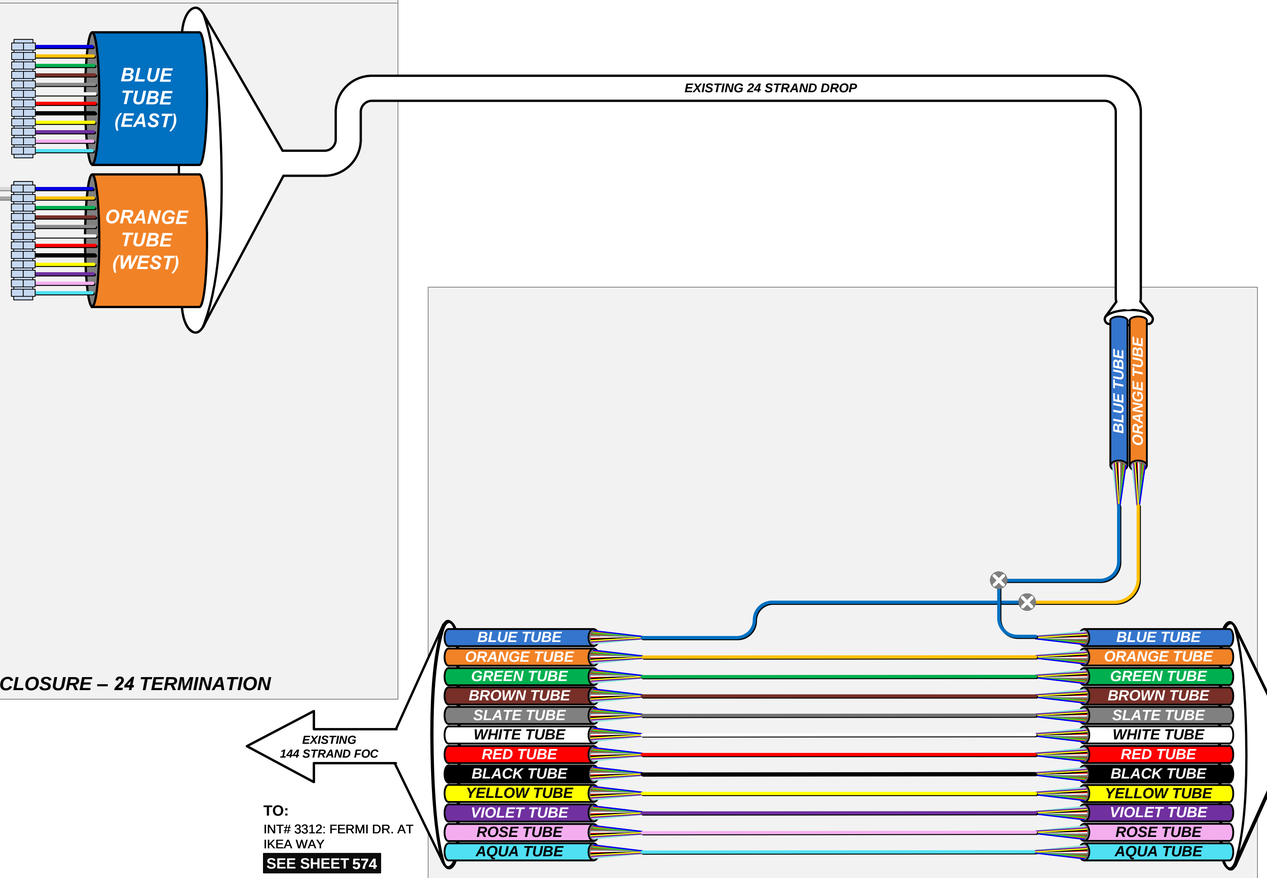
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TRAFFIC SIGNAL CABINET ASSEMBLY

SWITCH	PORT	STATUS	DESTINATION	SHEET NO
1	5	REVISED	INT# 3312: FERMI DR. AT IKEA WAY	574







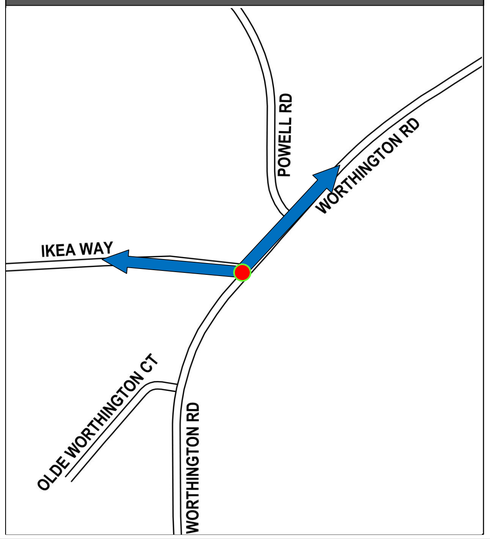
EXISTING PATCH PANEL ENCLOSURE – 24 TERMINATION

EXISTING UNDERGROUND SPLICE ENCLOSURE

LEGEND

- FIBER PATCH CABLES T/R STANDARD
- FIBER PATCH CABLES R/T CROSSOVER
- EXISTING FIBER PATCH CABLES
- OUTDOOR CAT 5E CABLE
- INDOOR CAT 5E CABLE
- CAT 5E CABLE TO BE REMOVED
- TERMINATION PANEL UPC (Blue)/APC (Green)
- EXISTING/PROPOSED FIBER OR BUFFER TUBE LEFT COILED IN SPLICE ENCLOSURE
- FUSION SPLICE – 6 FIBERS/ SINGLE FIBER
- FUSION SPLICE – 12 FIBER BUFFER TUBE
- EXISTING FUSION SPLICE – 12 FIBER BUFFER TUBE
- INTERSECTION LOCATION
- GBIC OPTICAL TRANSCEIVER LH - SHORT HAUL LED ZX – LONG HAUL LASER
- SFP/COPPER/CAT5/5E/6 CONNECTOR
- COPPER/CAT5/5E/6 CONNECTOR
- 144 STRAND SMF
- 288 STRAND SMF
- WIRELESS ETHERNET RADIO

KEY PLAN



NOTE:
NO PROPOSED WORK SHOWN ON THIS SHEET. SHEET SHOWN FOR REVISED PORT DESTINATION

INTERSECTION 3313

REFER TO SHEET 468 FOR COMM OVERVIEW DETAILS

CIP: 540007 - 100012
PID NUMBER: 99733

INT# 3313: WORTHINGTON RD. AT WORTHINGTON RD./ IKEA WAY
COMMUNICATIONS DIAGRAM

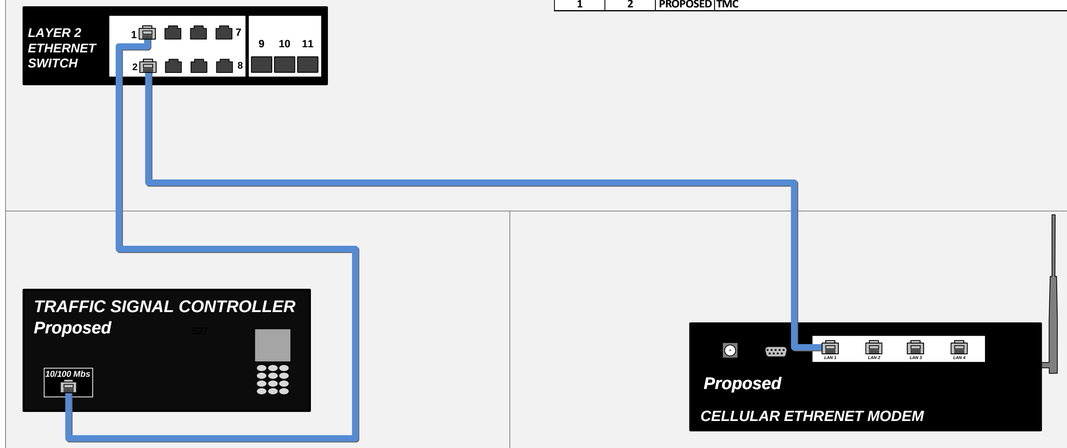
CITY OF COLUMBUS TRAFFIC SIGNAL SYSTEM
(CTSS) PHASE F – FINAL SUBMITTAL

575
768

\\colw00\pmwork\Jobs\70202 - CTSS Phase F\TECHPROD\Communications\Intersection Splicing Details\570-578.vsd - 3313 layout ~ last saved by: skoganti 6/1/2022 10:21:12 AM ~ printed: 6/1/2022 10:21:12 AM

TRAFFIC SIGNAL CABINET ASSEMBLY

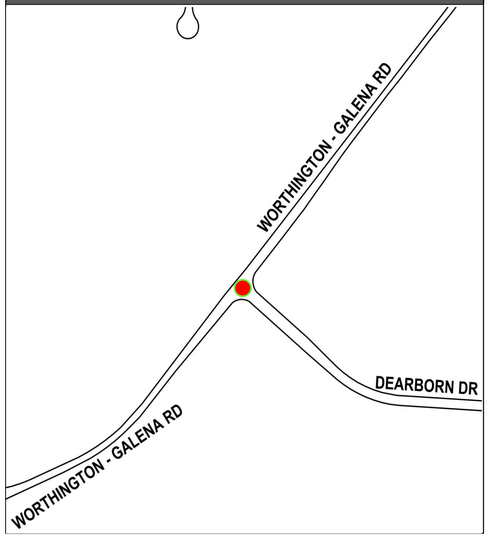
SWITCH	PORT	STATUS	DESTINATION	SHEET NO
1	2	PROPOSED	TMC	



LEGEND

- FIBER PATCH CABLES T/R STANDARD
- FIBER PATCH CABLES R/T CROSSOVER
- EXISTING FIBER PATCH CABLES
- OUTDOOR CAT 5E CABLE
- INDOOR CAT 5E CABLE
- CAT 5E CABLE TO BE REMOVED
- TERMINATION PANEL UPC (Blue)/APC (Green)
- EXISTING/PROPOSED FIBER OR BUFFER TUBE LEFT COILED IN SPLICE ENCLOSURE
- FUSION SPLICE – 6 FIBERS/ SINGLE FIBER
- FUSION SPLICE – 12 FIBER BUFFER TUBE
- EXISTING FUSION SPLICE – 12 FIBER BUFFER TUBE
- INTERSECTION LOCATION
- GBIC OPTICAL TRANSCEIVER LH - SHORT HAUL LED ZX – LONG HAUL LASER
- SFP/COPPER/CAT5/5E/6 CONNECTOR
- COPPER/CAT5/5E/6 CONNECTOR
- 144 STRAND SMF
- 288 STRAND SMF
- WIRELESS ETHERNET RADIO

KEY PLAN



INTERSECTION 3197

REFER TO SHEET 151 FOR CONSTRUCTION PLAN DETAILS
REFER TO SHEET 469 FOR COMM OVERVIEW DETAILS

CIP: 540007 - 100012
PID NUMBER: 99733

INT# 3197: DEARBORN DR. AT WORTHINGTON GALENA RD.
COMMUNICATIONS DIAGRAM

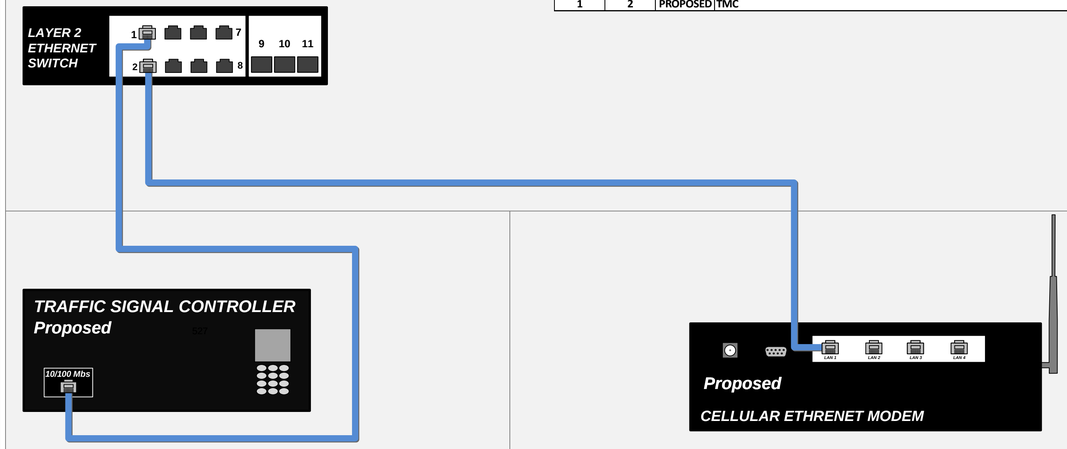
CITY OF COLUMBUS TRAFFIC SIGNAL SYSTEM
(CTSS) PHASE F – FINAL SUBMITTAL

576
768

\\colw00\pmwork\Jobs\70202 - CTSS Phase F\TECHPROD\Communications\Intersection Splicing Details\5570-578.vsd - 3197 layout ~ last saved by: skoganti 6/1/2022 10:21:12 AM ~ printed: 6/1/2022 10:21:12 AM

TRAFFIC SIGNAL CABINET ASSEMBLY

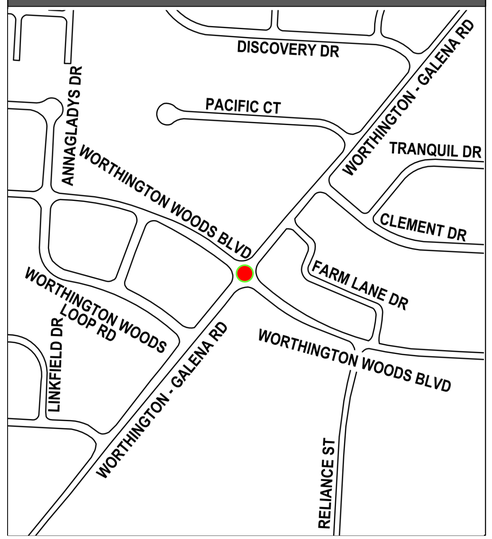
SWITCH	PORT	STATUS	DESTINATION	SHEET NO
1	2	PROPOSED	TMC	



LEGEND

- FIBER PATCH CABLES T/R STANDARD
- FIBER PATCH CABLES R/T CROSSOVER
- EXISTING FIBER PATCH CABLES
- OUTDOOR CAT 5E CABLE
- INDOOR CAT 5E CABLE
- CAT 5E CABLE TO BE REMOVED
- TERMINATION PANEL UPC (Blue)/APC (Green)
- EXISTING/PROPOSED FIBER OR BUFFER TUBE LEFT COILED IN SPLICE ENCLOSURE
- FUSION SPLICE – 6 FIBERS/ SINGLE FIBER
- FUSION SPLICE – 12 FIBER BUFFER TUBE
- EXISTING FUSION SPLICE – 12 FIBER BUFFER TUBE
- INTERSECTION LOCATION
- GBIC OPTICAL TRANSCEIVER LH - SHORT HAUL LED ZX – LONG HAUL LASER
- SFP/COPPER/CAT5/5E/6 CONNECTOR
- COPPER/CAT5/5E/6 CONNECTOR
- 144 STRAND SMF
- 288 STRAND SMF
- WIRELESS ETHERNET RADIO

KEY PLAN



INTERSECTION 3199

REFER TO SHEET 152 FOR CONSTRUCTION PLAN DETAILS
REFER TO SHEET 469 FOR COMM OVERVIEW DETAILS

CIP: 540007 - 100012
PID NUMBER: 99733

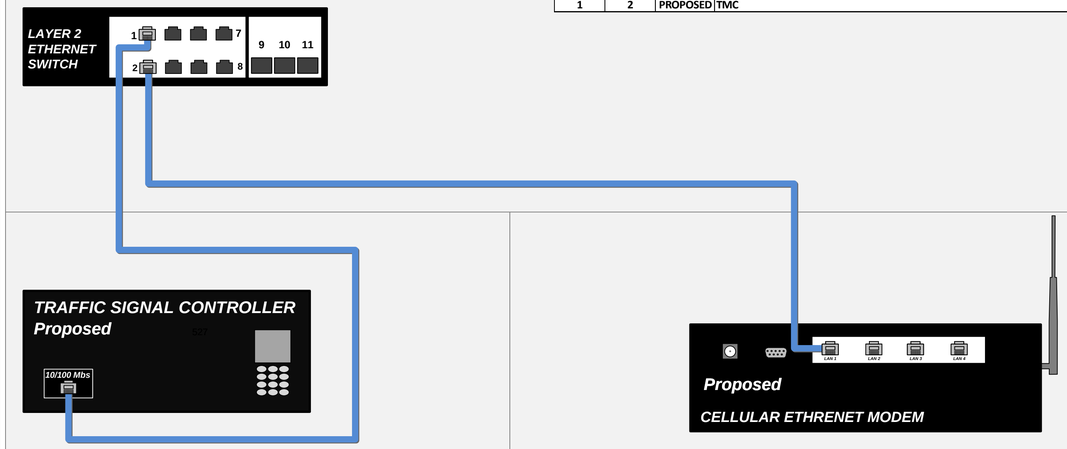
INT# 3199: WORTHINGTON GALENA RD. AT WORTHINGTON WOODS BLVD.
COMMUNICATIONS DIAGRAM

CITY OF COLUMBUS TRAFFIC SIGNAL SYSTEM
(CTSS) PHASE F – FINAL SUBMITTAL

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TRAFFIC SIGNAL CABINET ASSEMBLY

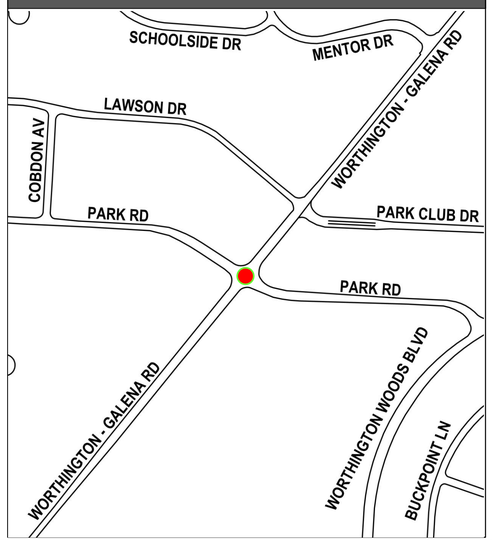
SWITCH	PORT	STATUS	DESTINATION	SHEET NO
1	2	PROPOSED	TMC	



LEGEND

- FIBER PATCH CABLES T/R STANDARD
- FIBER PATCH CABLES R/T CROSSOVER
- EXISTING FIBER PATCH CABLES
- OUTDOOR CAT 5E CABLE
- INDOOR CAT 5E CABLE
- CAT 5E CABLE TO BE REMOVED
- TERMINATION PANEL UPC (Blue)/APC (Green)
- EXISTING/PROPOSED FIBER OR BUFFER TUBE LEFT COILED IN SPLICE ENCLOSURE
- FUSION SPLICE – 6 FIBERS/ SINGLE FIBER
- FUSION SPLICE – 12 FIBER BUFFER TUBE
- EXISTING FUSION SPLICE – 12 FIBER BUFFER TUBE
- INTERSECTION LOCATION
- GBIC OPTICAL TRANSCEIVER LH - SHORT HAUL LED ZX – LONG HAUL LASER
- SFP/COPPER/CAT5/5E/6 CONNECTOR
- COPPER/CAT5/5E/6 CONNECTOR
- 144 STRAND SMF
- 288 STRAND SMF
- WIRELESS ETHERNET RADIO

KEY PLAN



INTERSECTION 3208

REFER TO SHEET 153 FOR CONSTRUCTION PLAN DETAILS
REFER TO SHEET 469 FOR COMM OVERVIEW DETAILS

CIP: 540007 - 100012
PID NUMBER: 99733

INT# 3208: PARK RD. AT WORTHINGTON GALENA RD.
COMMUNICATIONS DIAGRAM

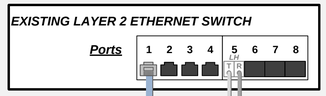
CITY OF COLUMBUS TRAFFIC SIGNAL SYSTEM
(CTSS) PHASE F – FINAL SUBMITTAL

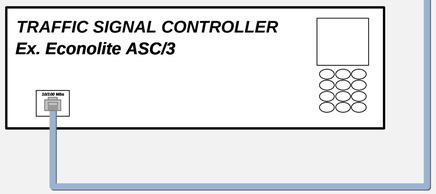
578
768

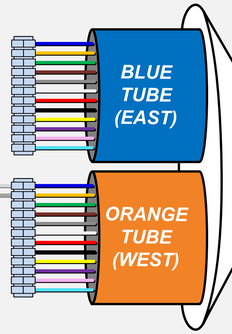
\\colw00\pmwork\Jobs\70202 - CTSS Phase F\TECHPROD\Communications\Intersection Splicing Details\570-578.vsd - 3208 layout ~ last saved by: skoganti 6/1/2022 10:21:12 AM ~ printed: 6/1/2022 10:21:12 AM

TRAFFIC SIGNAL CABINET ASSEMBLY

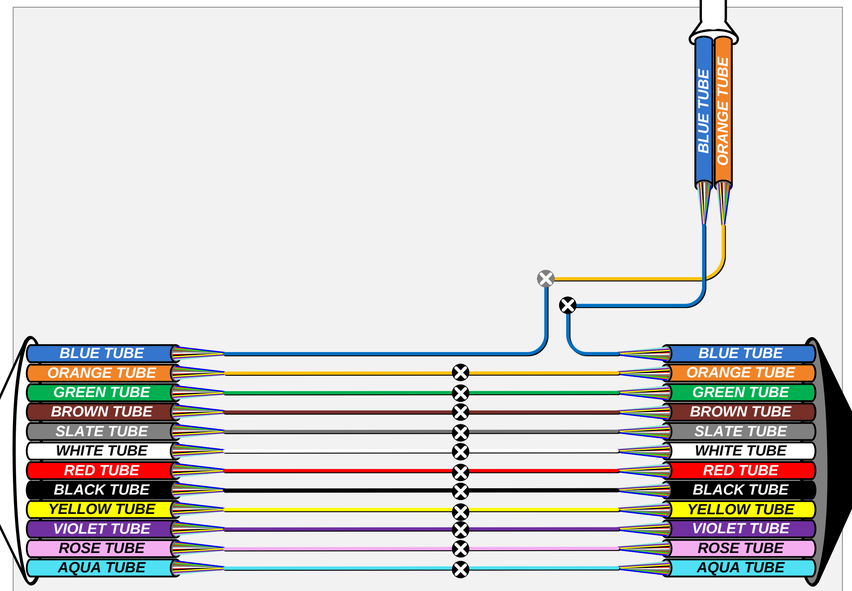
SWITCH	PORT	STATUS	DESTINATION	SHEET NO
1	5	EXISTING	EXISTING CONNECTION TO INT# 3036: FIFTH AVE AT I-71 NB RAMPS	







24 STRAND DROP



EXISTING 144 STRAND FOC

TO:
INT# 3036: FIFTH AVE
AT I-71 NB RAMPS

144 STRAND FOC

TO:
INT# 3122: FIFTH AVE.
AT JOYCE AVE.
SEE SHEET 580

3 Cable Entries
144 Proposed Fusion Splices
156 Total Fusion Splices

EXISTING AERIAL SPLICE ENCLOSURE

EXISTING PATCH PANEL ENCLOSURE – 24 TERMINATION

LEGEND

- FIBER PATCH CABLES T/R STANDARD
- FIBER PATCH CABLES R/T CROSSOVER
- EXISTING FIBER PATCH CABLES
- OUTDOOR CAT 5E CABLE
- INDOOR CAT 5E CABLE
- CAT 5E CABLE TO BE REMOVED
- TERMINATION PANEL UPC (Blue)/APC (Green)
- EXISTING/PROPOSED FIBER OR BUFFER TUBE LEFT COILED IN SPLICE ENCLOSURE
- FUSION SPLICE – 6 FIBERS/ SINGLE FIBER
- FUSION SPLICE – 12 FIBER BUFFER TUBE
- EXISTING FUSION SPLICE – 12 FIBER BUFFER TUBE
- INTERSECTION LOCATION
- GBIC OPTICAL TRANSCEIVER LH - SHORT HAUL LED ZX – LONG HAUL LASER
- SFP/COPPER/CAT5/5E/6 CONNECTOR
- COPPER/CAT5/5E/6 CONNECTOR
- 144 STRAND SMF
- 288 STRAND SMF
- WIRELESS ETHERNET RADIO

KEY PLAN



INTERSECTION 3037

REFER TO SHEET 197 FOR CONSTRUCTION PLAN DETAILS
REFER TO SHEET 470 FOR COMM OVERVIEW DETAILS

CIP: 540007 - 100012
PID NUMBER: 99733

INT# 3037: FIFTH AVE. AT ST CLAIR AVE.
COMMUNICATIONS DIAGRAM

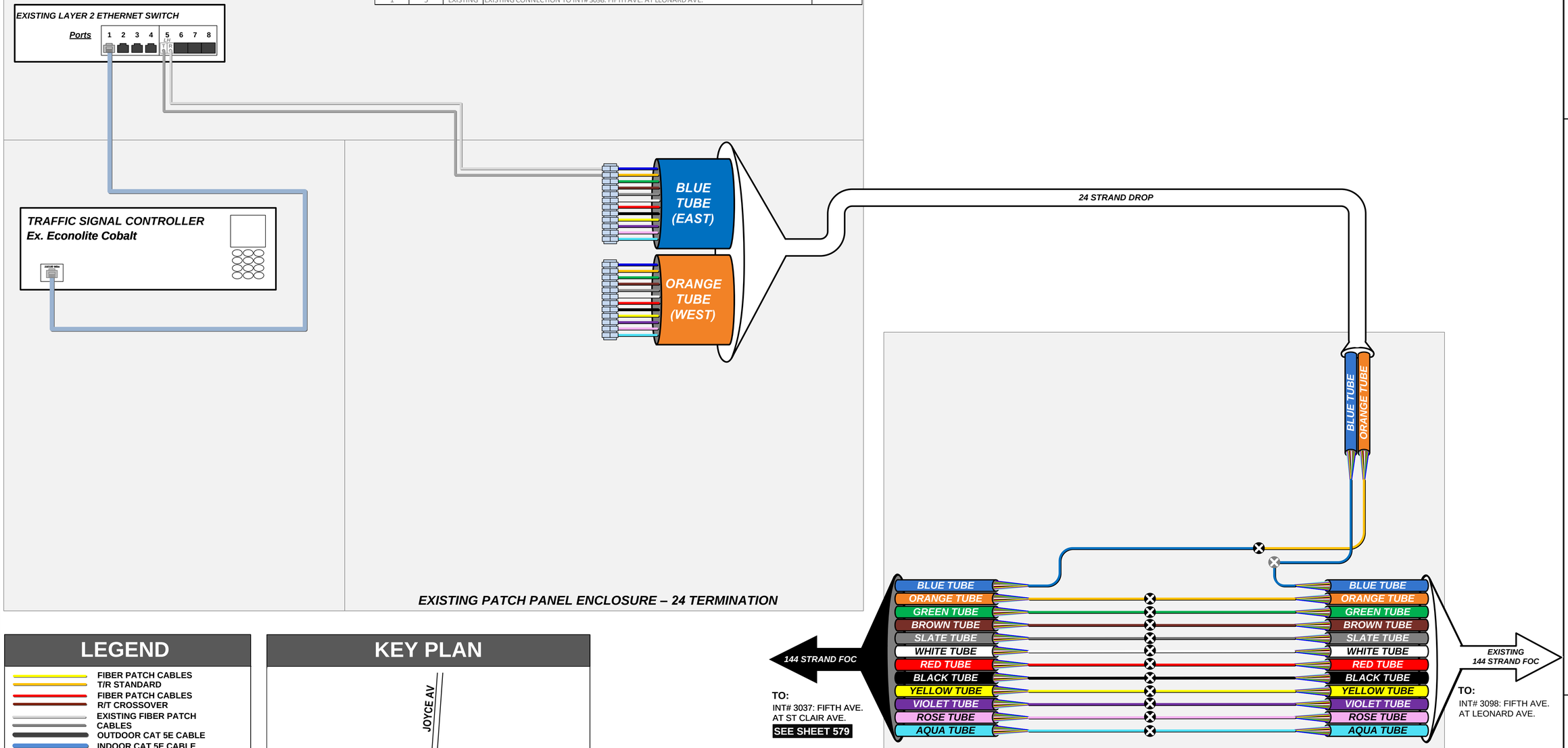
CITY OF COLUMBUS TRAFFIC SIGNAL SYSTEM
(CTSS) PHASE F – FINAL SUBMITTAL

579
768

\\colw00\pmwork\Jobs\70202 - CTSS Phase F\TECHPROD\Communications\Intersection Splicing Details\579-590.vsd - 3037 layout ~ last saved by: skoganti 6/1/2022 10:26:28 AM ~ printed: 6/1/2022 10:26:28 AM

TRAFFIC SIGNAL CABINET ASSEMBLY

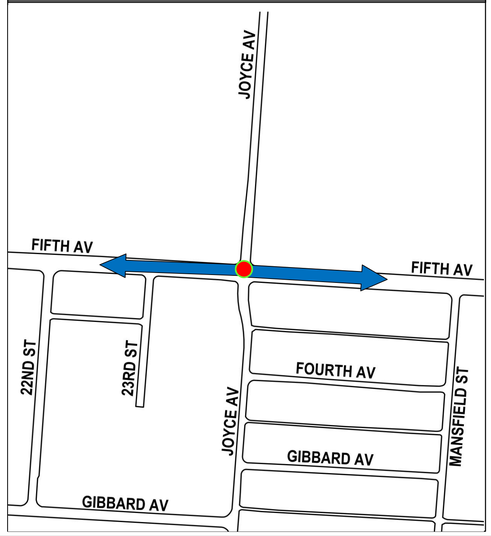
SWITCH	PORT	STATUS	DESTINATION	SHEET NO
1	5	EXISTING	EXISTING CONNECTION TO INT# 3098: FIFTH AVE. AT LEONARD AVE.	



LEGEND

- FIBER PATCH CABLES T/R STANDARD
- FIBER PATCH CABLES R/T CROSSOVER
- EXISTING FIBER PATCH CABLES
- OUTDOOR CAT 5E CABLE
- INDOOR CAT 5E CABLE
- CAT 5E CABLE TO BE REMOVED
- TERMINATION PANEL UPC (Blue)/APC (Green)
- EXISTING/PROPOSED FIBER OR BUFFER TUBE LEFT COILED IN SPLICE ENCLOSURE
- FUSION SPLICE – 6 FIBERS/ SINGLE FIBER
- FUSION SPLICE – 12 FIBER BUFFER TUBE
- EXISTING FUSION SPLICE – 12 FIBER BUFFER TUBE
- INTERSECTION LOCATION
- GBIC OPTICAL TRANSCEIVER LH - SHORT HAUL LED ZX – LONG HAUL LASER
- SFP/COPPER/CAT5/5E/6 CONNECTOR
- COPPER/CAT5/5E/6 CONNECTOR
- 144 STRAND SMF
- 288 STRAND SMF
- WIRELESS ETHERNET RADIO

KEY PLAN



INTERSECTION 3122

REFER TO SHEET 200 FOR CONSTRUCTION PLAN DETAILS
REFER TO SHEET 470 FOR COMM OVERVIEW DETAILS

CIP: 540007 - 100012
PID NUMBER: 99733

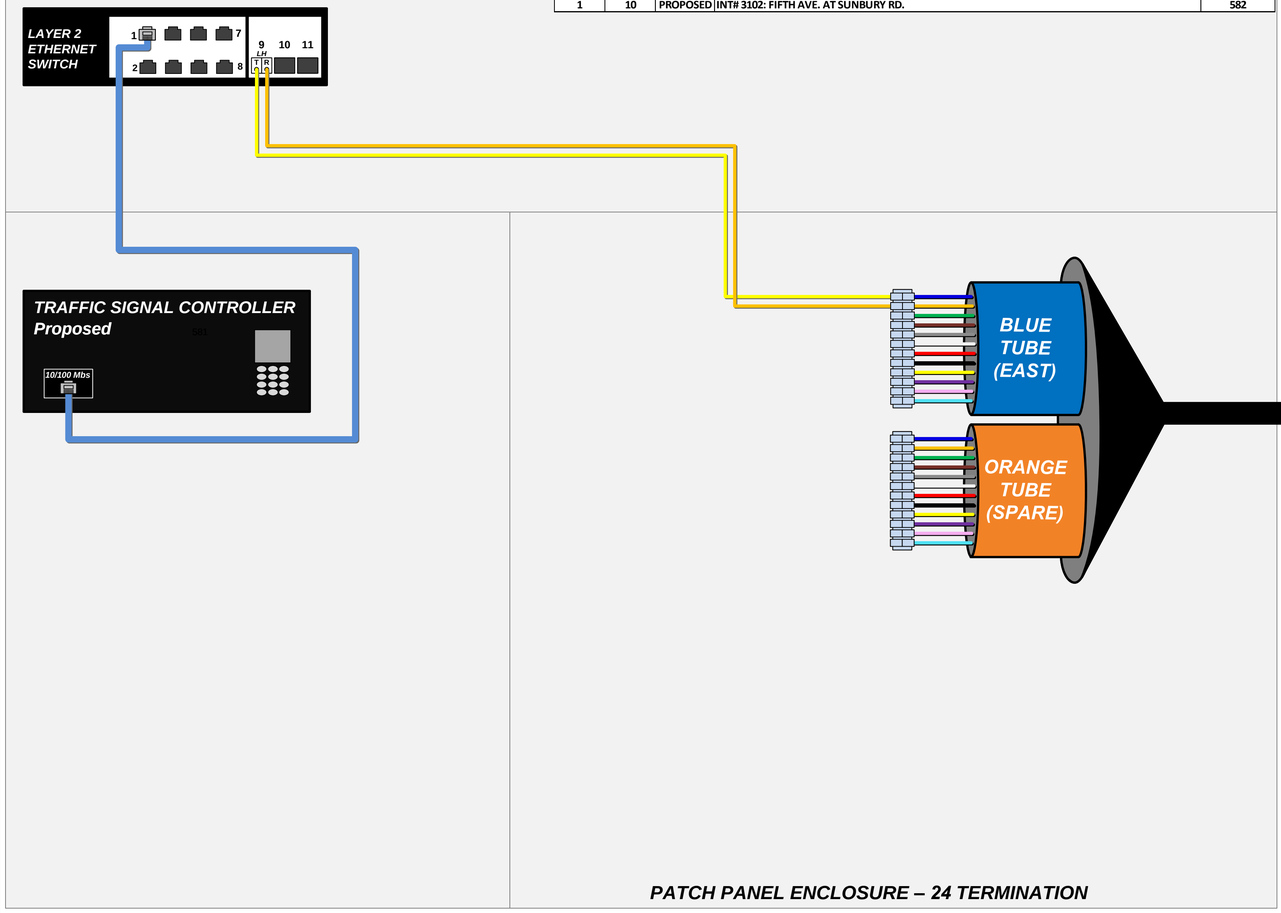
INT# 3122: FIFTH AVE. AT JOYCE AVE.
COMMUNICATIONS DIAGRAM

CITY OF COLUMBUS TRAFFIC SIGNAL SYSTEM
(CTSS) PHASE F – FINAL SUBMITTAL

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TRAFFIC SIGNAL CABINET ASSEMBLY

SWITCH	PORT	STATUS	DESTINATION	SHEET NO
1	10	PROPOSED	INT# 3102: FIFTH AVE. AT SUNBURY RD.	582



TO:
INT# 3102: FIFTH AVE.
AT SUNBURY RD.
SEE SHEET 582

PATCH PANEL ENCLOSURE – 24 TERMINATION

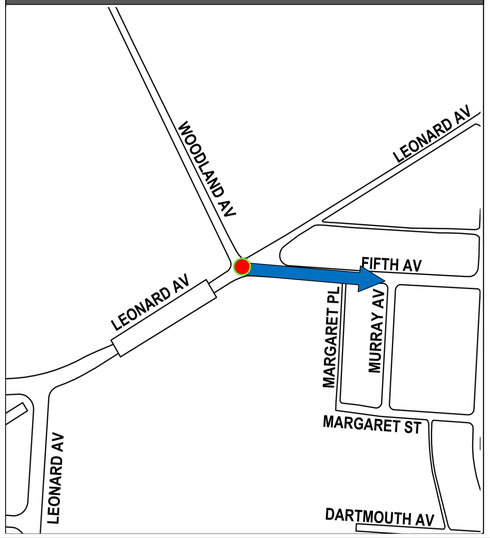
2 Cable Entries
12 Proposed Fusion Splices
12 Coiled Buffer Tubes

DOME, 288 FUSION SPLICE, AERIAL SPLICE ENCLOSURE

LEGEND

- FIBER PATCH CABLES T/R STANDARD
- FIBER PATCH CABLES R/T CROSSOVER
- EXISTING FIBER PATCH CABLES
- OUTDOOR CAT 5E CABLE
- INDOOR CAT 5E CABLE
- CAT 5E CABLE TO BE REMOVED
- TERMINATION PANEL UPC (Blue)/APC (Green)
- EXISTING/PROPOSED FIBER OR BUFFER TUBE LEFT COILED IN SPLICE ENCLOSURE
- FUSION SPLICE – 6 FIBERS/ SINGLE FIBER
- FUSION SPLICE – 12 FIBER BUFFER TUBE
- EXISTING FUSION SPLICE – 12 FIBER BUFFER TUBE
- INTERSECTION LOCATION
- GBIC OPTICAL TRANSCEIVER LH - SHORT HAUL LED ZX – LONG HAUL LASER
- SFP/COPPER/CAT5/5E/6 CONNECTOR
- COPPER/CAT5/5E/6 CONNECTOR
- 144 STRAND SMF
- 288 STRAND SMF
- WIRELESS ETHERNET RADIO

KEY PLAN



INTERSECTION 3099

REFER TO SHEET 172 FOR CONSTRUCTION PLAN DETAILS
REFER TO SHEET 470 FOR COMM OVERVIEW DETAILS

CIP: 540007 - 100012
PID NUMBER: 99733

INT# 3099: FIFTH AVE. AT LEONARD AVE./ WOODLAND AVE.
COMMUNICATIONS DIAGRAM

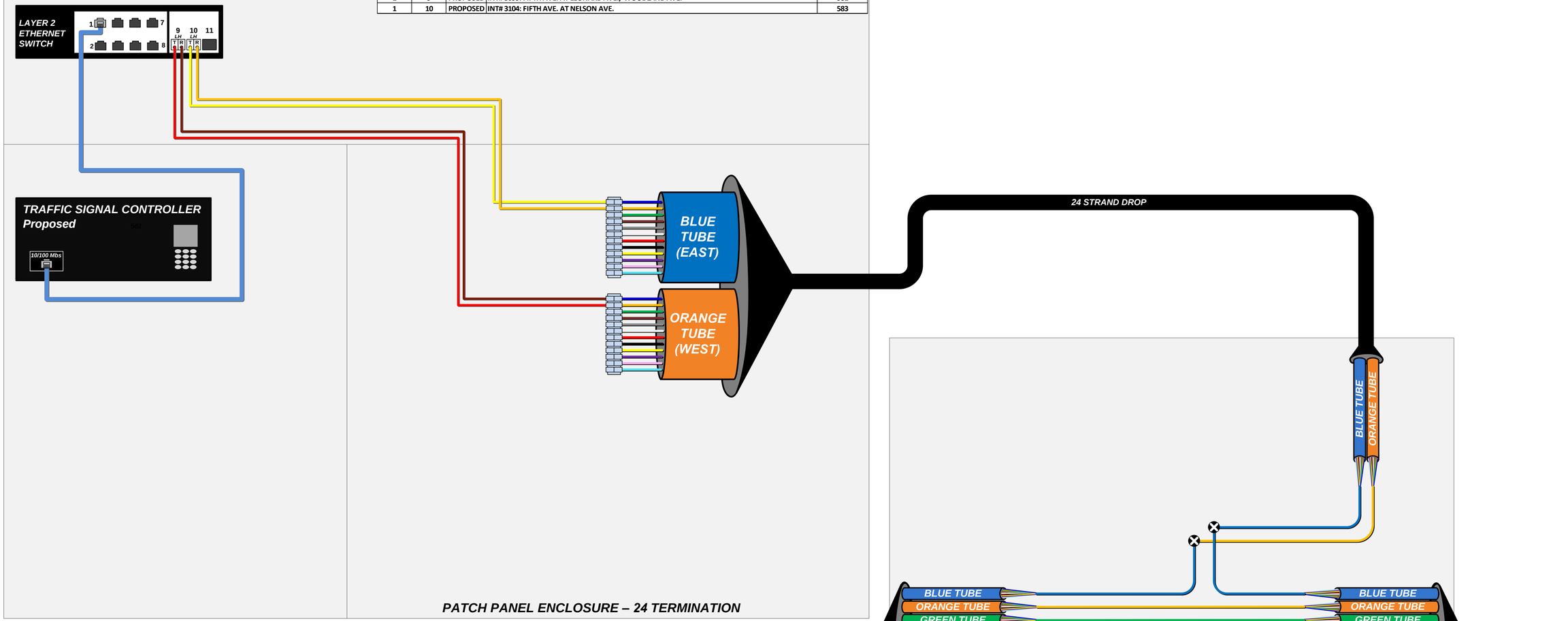
CITY OF COLUMBUS TRAFFIC SIGNAL SYSTEM
(CTSS) PHASE F – FINAL SUBMITTAL

581
768

\\colw00\pmwork\Jobs\70202 - CTSS Phase F\TECHPROD\Communications\Intersection Splicing Details\5579-590.vsd - 3099 layout ~ last saved by: skoganti 6/1/2022 10:26:28 AM ~ printed: 6/1/2022 10:26:28 AM

TRAFFIC SIGNAL CABINET ASSEMBLY

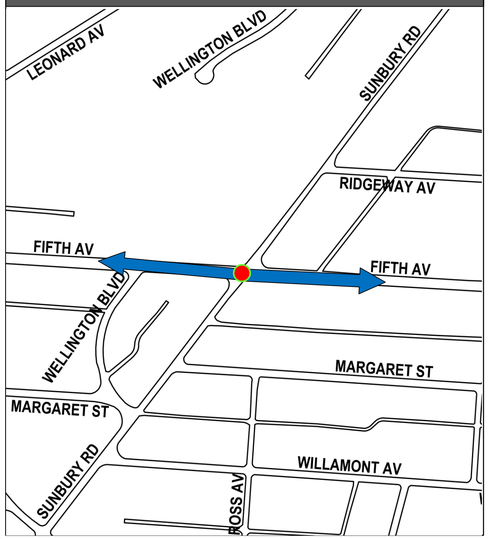
SWITCH	PORT	STATUS	DESTINATION	SHEET NO
1	9	PROPOSED	INT# 3099: FIFTH AVE. AT LEONARD AVE./ WOODLAND AVE.	581
1	10	PROPOSED	INT# 3104: FIFTH AVE. AT NELSON AVE.	583



LEGEND

- FIBER PATCH CABLES T/R STANDARD
- FIBER PATCH CABLES R/T CROSSOVER
- EXISTING FIBER PATCH CABLES
- OUTDOOR CAT 5E CABLE
- INDOOR CAT 5E CABLE
- CAT 5E CABLE TO BE REMOVED
- TERMINATION PANEL UPC (Blue)/APC (Green)
- EXISTING/PROPOSED FIBER OR BUFFER TUBE LEFT COILED IN SPLICE ENCLOSURE
- FUSION SPLICE – 6 FIBERS/ SINGLE FIBER
- FUSION SPLICE – 12 FIBER BUFFER TUBE
- EXISTING FUSION SPLICE – 12 FIBER BUFFER TUBE
- INTERSECTION LOCATION
- GBIC OPTICAL TRANSCEIVER LH - SHORT HAUL LED ZX – LONG HAUL LASER
- SFP/COPPER/CAT5/5E/6 CONNECTOR
- COPPER/CAT5/5E/6 CONNECTOR
- 144 STRAND SMF
- 288 STRAND SMF
- WIRELESS ETHERNET RADIO

KEY PLAN



INTERSECTION 3102

REFER TO SHEET 174 FOR CONSTRUCTION PLAN DETAILS
REFER TO SHEET 470 FOR COMM OVERVIEW DETAILS

CIP: 540007 - 100012
PID NUMBER: 99733

INT# 3102: FIFTH AVE. AT SUNBURY RD.
COMMUNICATIONS DIAGRAM

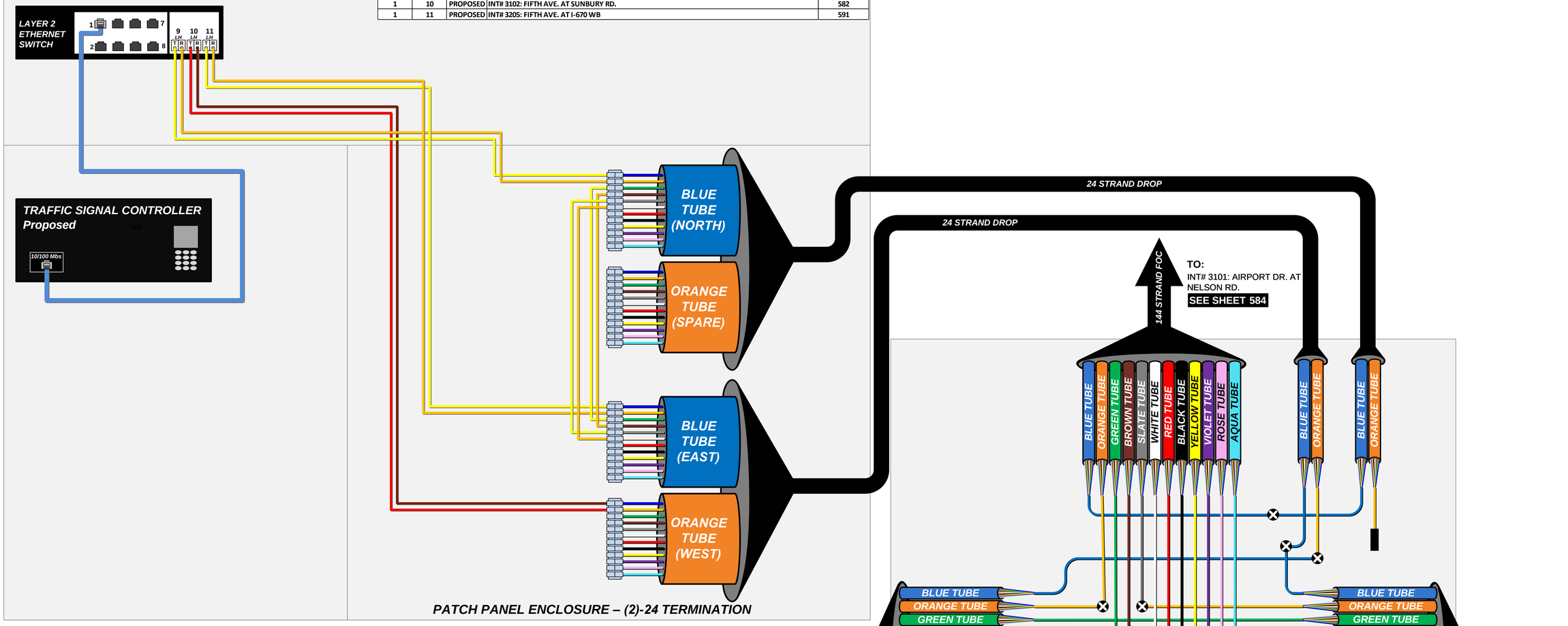
CITY OF COLUMBUS TRAFFIC SIGNAL SYSTEM
(CTSS) PHASE F – FINAL SUBMITTAL

582
768

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TRAFFIC SIGNAL CABINET ASSEMBLY

SWITCH	PORT	STATUS	DESTINATION	SHEET NO
1	9	PROPOSED	INT# 3101: AIRPORT DR. AT NELSON RD.	584
1	10	PROPOSED	INT# 3102: FIFTH AVE. AT SUNBURY RD.	582
1	11	PROPOSED	INT# 3205: FIFTH AVE. AT I-670 WB	591



PATCH PANEL ENCLOSURE – (2)-24 TERMINATION

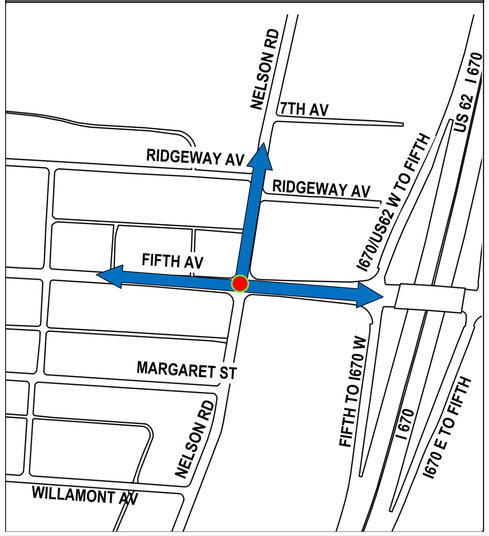
5 Cable Entries
168 Proposed Fusion Splices
2 Coiled Buffer Tubes
5 Buffer Tubes Passed Through Unspliced

DOME, 800 FUSION SPLICE, AERIAL SPLICE ENCLOSURE

LEGEND

- FIBER PATCH CABLES T/R STANDARD
- FIBER PATCH CABLES R/T CROSSOVER
- EXISTING FIBER PATCH CABLES
- OUTDOOR CAT 5E CABLE
- INDOOR CAT 5E CABLE
- CAT 5E CABLE TO BE REMOVED
- TERMINATION PANEL UPC (Blue)/APC (Green)
- EXISTING/PROPOSED FIBER OR BUFFER TUBE LEFT COILED IN SPLICE ENCLOSURE
- FUSION SPLICE – 6 FIBERS/ SINGLE FIBER
- FUSION SPLICE – 12 FIBER BUFFER TUBE
- EXISTING FUSION SPLICE – 12 FIBER BUFFER TUBE
- INTERSECTION LOCATION
- LH ZX GBIC OPTICAL TRANSCEIVER LH - SHORT HAUL LED ZX – LONG HAUL LASER
- SFP/COPPER/CAT5/5E/6 CONNECTOR
- COPPER/CAT5/5E/6 CONNECTOR
- 144 STRAND SMF
- 288 STRAND SMF
- WIRELESS ETHERNET RADIO

KEY PLAN



INTERSECTION 3104

REFER TO SHEET 175 FOR CONSTRUCTION PLAN DETAILS
REFER TO SHEET 470 FOR COMM OVERVIEW DETAILS

CIP: 540007 - 100012
PID NUMBER: 99733

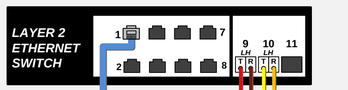
INT# 3104: FIFTH AVE. AT NELSON AVE.
COMMUNICATIONS DIAGRAM

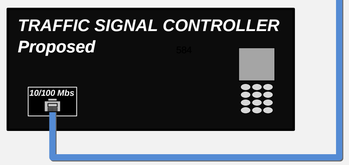
CITY OF COLUMBUS TRAFFIC SIGNAL SYSTEM
(CTSS) PHASE F – FINAL SUBMITTAL

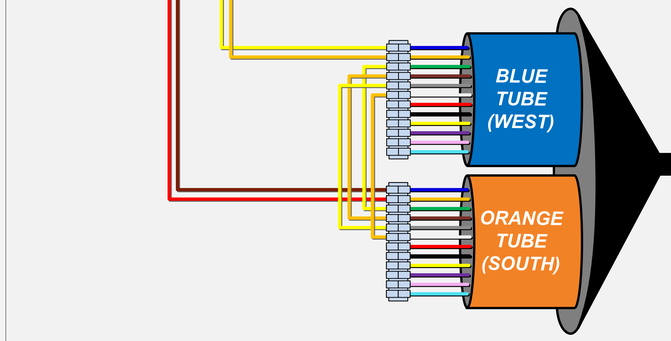
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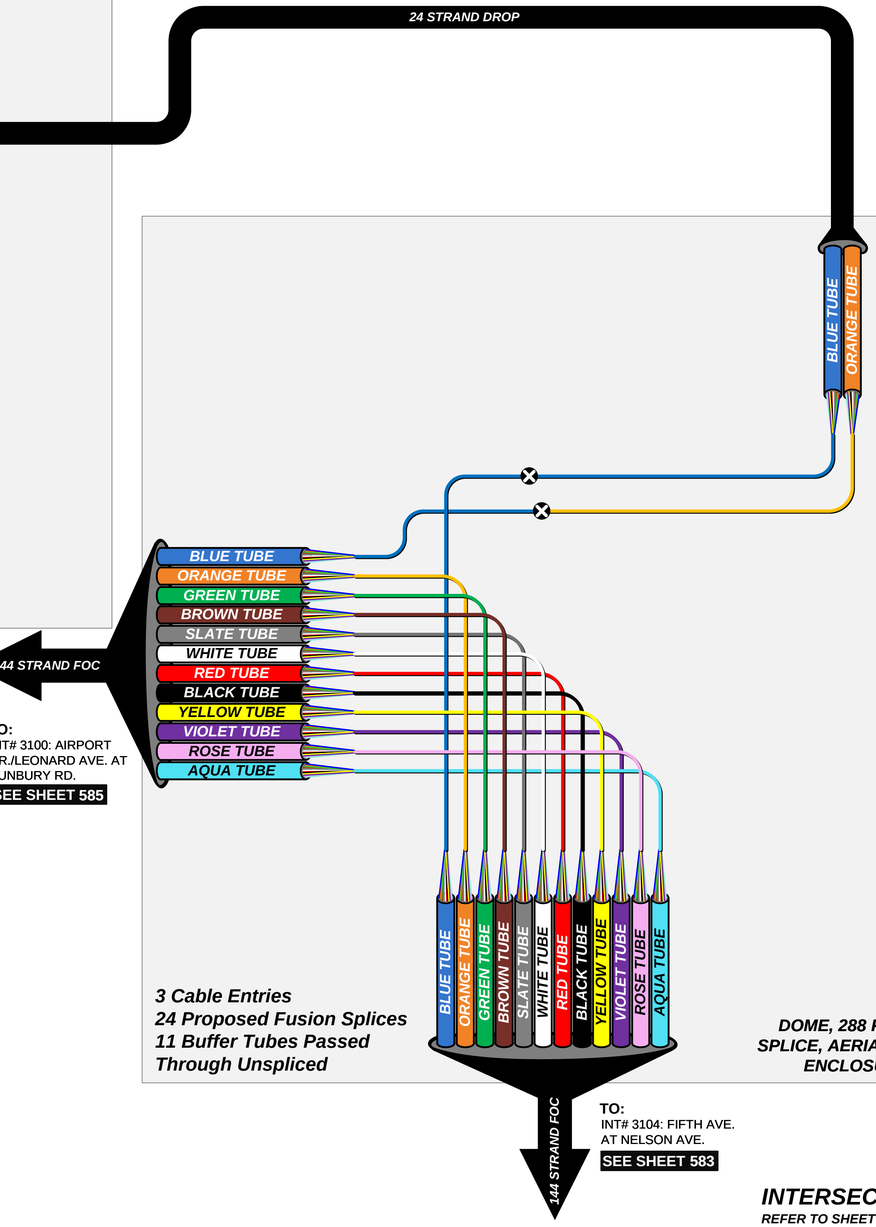
TRAFFIC SIGNAL CABINET ASSEMBLY

SWITCH	PORT	STATUS	DESTINATION	SHEET NO
1	9	PROPOSED	INT# 3104: FIFTH AVE. AT NELSON AVE.	583
1	10	PROPOSED	INT# 3100: AIRPORT DR./LEONARD AVE. AT SUNBURY RD.	585







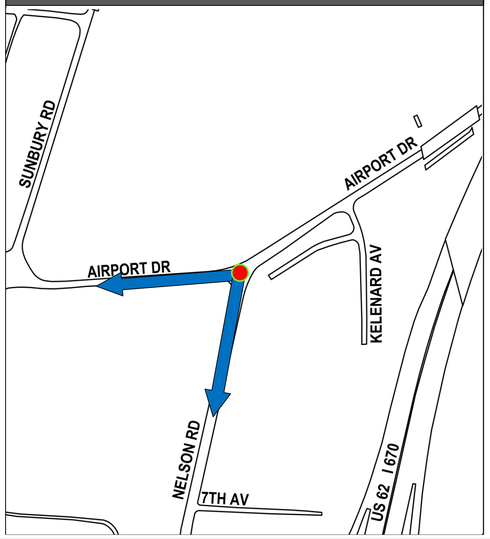


PATCH PANEL ENCLOSURE – 24 TERMINATION

LEGEND

- FIBER PATCH CABLES T/R STANDARD
- FIBER PATCH CABLES R/T CROSSOVER
- EXISTING FIBER PATCH CABLES
- OUTDOOR CAT 5E CABLE
- INDOOR CAT 5E CABLE
- CAT 5E CABLE TO BE REMOVED
- TERMINATION PANEL UPC (Blue)/APC (Green)
- EXISTING/PROPOSED FIBER OR BUFFER TUBE LEFT COILED IN SPLICE ENCLOSURE
- FUSION SPLICE – 6 FIBERS/ SINGLE FIBER
- FUSION SPLICE – 12 FIBER BUFFER TUBE
- EXISTING FUSION SPLICE – 12 FIBER BUFFER TUBE
- INTERSECTION LOCATION
- LH ZX GBIC OPTICAL TRANSCEIVER LH - SHORT HAUL LED ZX – LONG HAUL LASER
- SFP/COPPER/CAT5/5E/6 CONNECTOR
- COPPER/CAT5/5E/6 CONNECTOR
- 144 STRAND SMF
- 288 STRAND SMF
- WIRELESS ETHERNET RADIO

KEY PLAN



INTERSECTION 3101

REFER TO SHEET 206 FOR CONSTRUCTION PLAN DETAILS
REFER TO SHEET 470 FOR COMM OVERVIEW DETAILS

CIP: 540007 - 100012
PID NUMBER: 99733

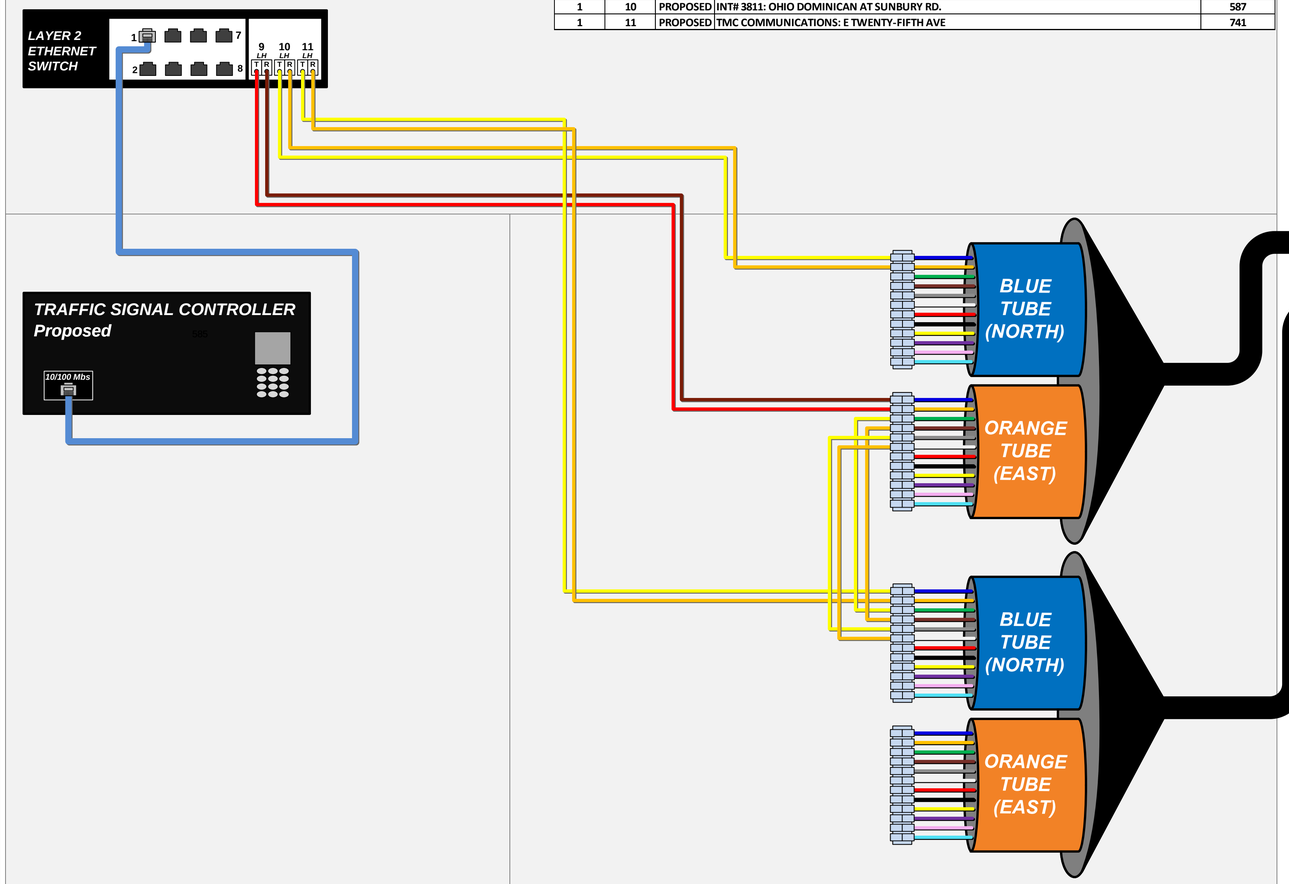
INT# 3101: AIRPORT DR. AT NELSON RD.
COMMUNICATIONS DIAGRAM

CITY OF COLUMBUS TRAFFIC SIGNAL SYSTEM
(CTSS) PHASE F – FINAL SUBMITTAL

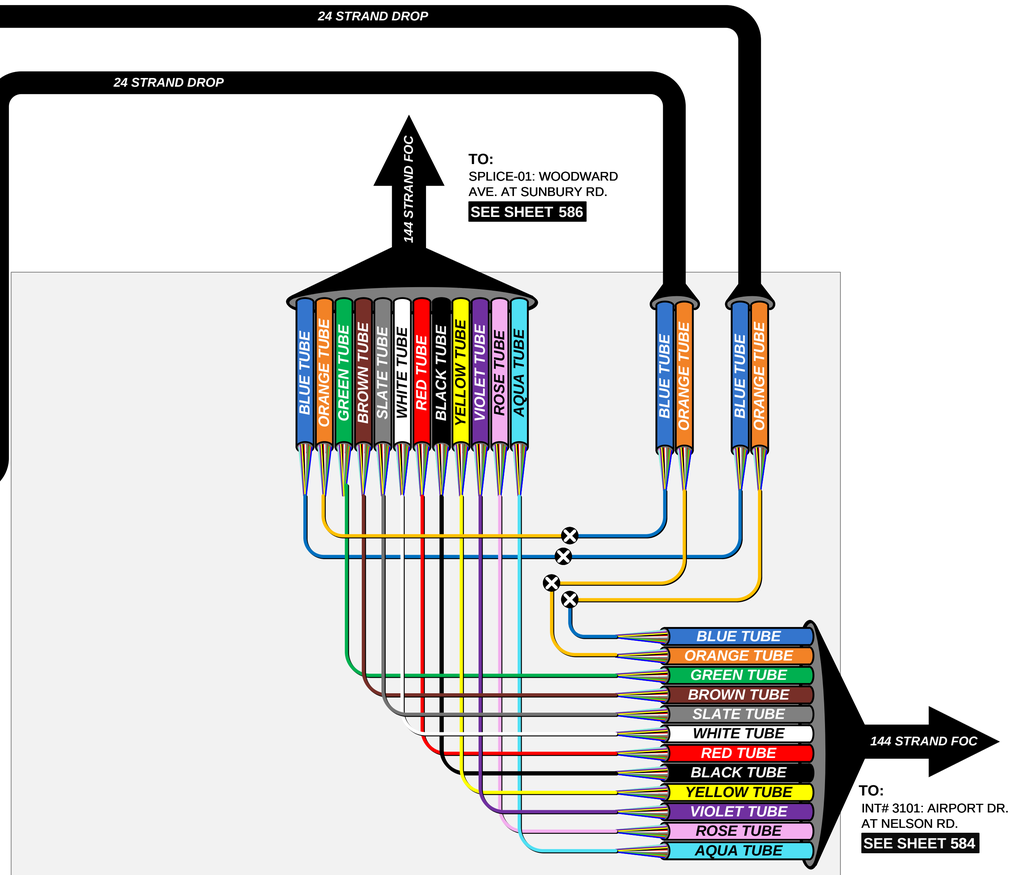
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TRAFFIC SIGNAL CABINET ASSEMBLY

SWITCH	PORT	STATUS	DESTINATION	SHEET NO
1	9	PROPOSED	INT# 3101: AIRPORT DR. AT NELSON RD.	584
1	10	PROPOSED	INT# 3811: OHIO DOMINICAN AT SUNBURY RD.	587
1	11	PROPOSED	TMC COMMUNICATIONS: E TWENTY-FIFTH AVE	741



PATCH PANEL ENCLOSURE – (2) - 24 TERMINATION



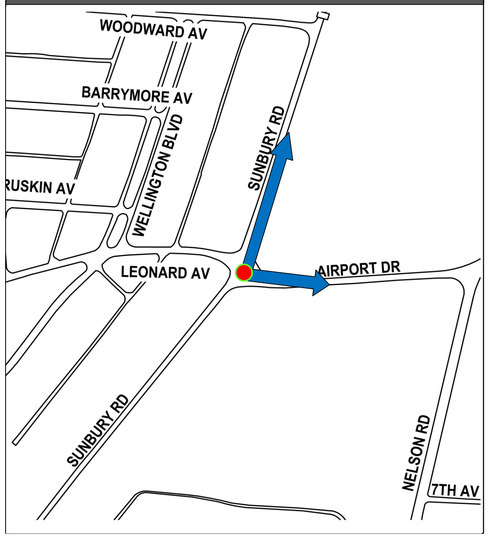
4 Cable Entries
48 Proposed Fusion Splices
10 Buffer Tubes Passed Through Unspliced

DOME, 288 FUSION SPLICE, AERIAL SPLICE ENCLOSURE

LEGEND

- FIBER PATCH CABLES T/R STANDARD
- FIBER PATCH CABLES R/T CROSSOVER
- EXISTING FIBER PATCH CABLES
- OUTDOOR CAT 5E CABLE
- INDOOR CAT 5E CABLE
- CAT 5E CABLE TO BE REMOVED
- TERMINATION PANEL UPC (Blue)/APC (Green)
- EXISTING/PROPOSED FIBER OR BUFFER TUBE LEFT COILED IN SPLICE ENCLOSURE
- FUSION SPLICE – 6 FIBERS/ SINGLE FIBER
- FUSION SPLICE – 12 FIBER BUFFER TUBE
- EXISTING FUSION SPLICE – 12 FIBER BUFFER TUBE
- INTERSECTION LOCATION
- GBIC OPTICAL TRANSCEIVER LH - SHORT HAUL LED ZX – LONG HAUL LASER
- SFP/COPPER/CAT5/5E/6 CONNECTOR
- COPPER/CAT5/5E/6 CONNECTOR
- 144 STRAND SMF
- 288 STRAND SMF
- WIRELESS ETHERNET RADIO

KEY PLAN



INTERSECTION 3100

REFER TO SHEET 202 FOR CONSTRUCTION PLAN DETAILS
REFER TO SHEET 470 FOR COMM OVERVIEW DETAILS

CIP: 540007 - 100012
PID NUMBER: 99733

INT# 3100: AIRPORT DR./LEONARD AVE. AT SUNBURY RD.
COMMUNICATIONS DIAGRAM

CITY OF COLUMBUS TRAFFIC SIGNAL SYSTEM
(CTSS) PHASE F – FINAL SUBMITTAL

\\colw00\prnwork\Jobs\170202 - CTSS Phase F\TECHPROD\Communications\Intersection Splicing Details\579-590.vsd - 3100 layout ~ last saved by: skoganti 6/1/2022 10:26:28 AM ~ printed: 6/1/2022 10:26:28 AM

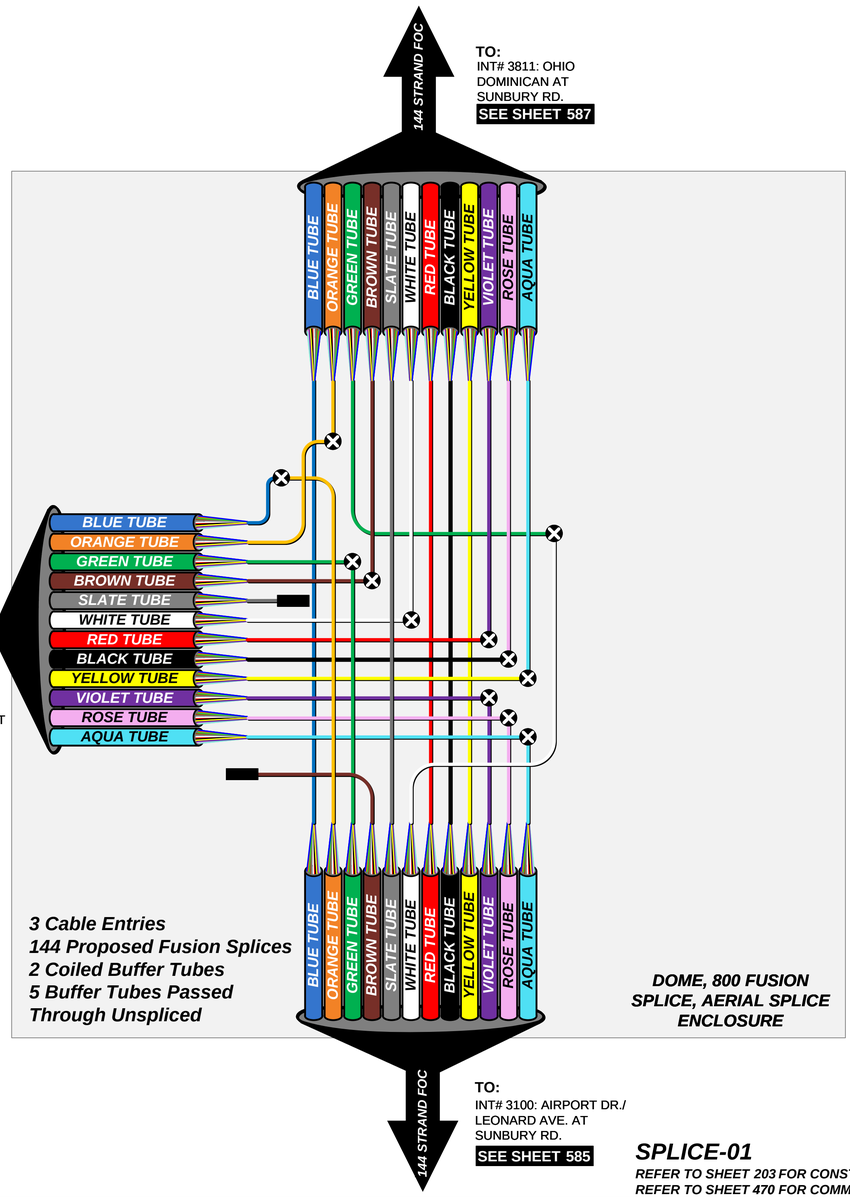
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LEGEND

- FIBER PATCH CABLES T/R STANDARD
- FIBER PATCH CABLES R/T CROSSOVER
- EXISTING FIBER PATCH CABLES
- OUTDOOR CAT 5E CABLE
- INDOOR CAT 5E CABLE
- CAT 5E CABLE TO BE REMOVED
- TERMINATION PANEL UPC (Blue)/APC (Green)
- EXISTING/PROPOSED FIBER OR BUFFER TUBE LEFT COILED IN SPLICE ENCLOSURE
- FUSION SPLICE – 6 FIBERS/ SINGLE FIBER
- FUSION SPLICE – 12 FIBER BUFFER TUBE
- EXISTING FUSION SPLICE – 12 FIBER BUFFER TUBE
- INTERSECTION LOCATION
- GBIC OPTICAL TRANSCEIVER LH - SHORT HAUL LED ZX – LONG HAUL LASER
- SFP/COPPER/CAT5/5E/6 CONNECTOR
- COPPER/CAT5/5E/6 CONNECTOR
- 144 STRAND SMF
- 288 STRAND SMF
- WIRELESS ETHERNET RADIO

KEY PLAN





SPLICE-01

REFER TO SHEET 203 FOR CONSTRUCTION PLAN DETAILS
REFER TO SHEET 470 FOR COMM OVERVIEW DETAILS

CIP: 540007 - 100012
PID NUMBER: 99733

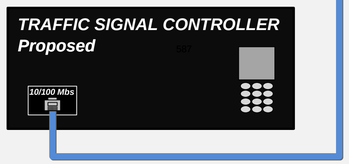
SPLICE-01: WOODWARD AVE. AT SUNBURY RD.
COMMUNICATIONS DIAGRAM

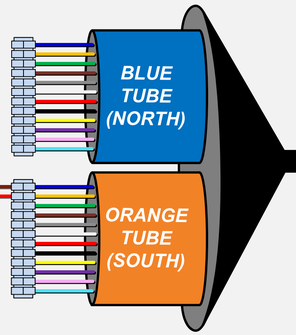
CITY OF COLUMBUS TRAFFIC SIGNAL SYSTEM
(CTSS) PHASE F – FINAL SUBMITTAL

TRAFFIC SIGNAL CABINET ASSEMBLY

SWITCH	PORT	STATUS	DESTINATION	SHEET NO
1	9	PROPOSED	INT# 3100: AIRPORT DR./LEONARD AVE. AT SUNBURY RD.	585





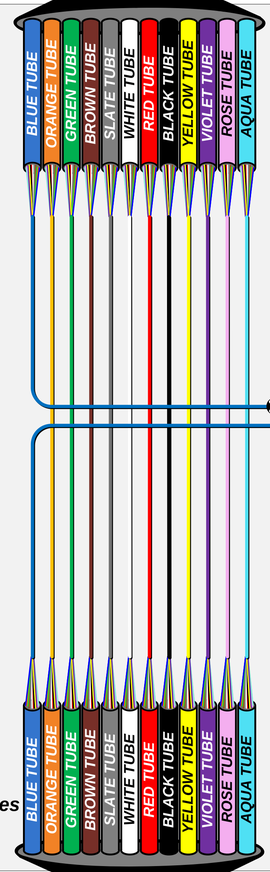


PATCH PANEL ENCLOSURE – 24 TERMINATION

24 STRAND DROP

TO:
COILED AT AERIAL
SPAN AT STA
70+57.73, 26' RT

144 STRAND FOC





3 Cable Entries
24 Proposed Fusion Splices
11 Buffer Tubes Passed Through Unspliced

DOME, 288 FUSION SPLICE, AERIAL SPLICE ENCLOSURE

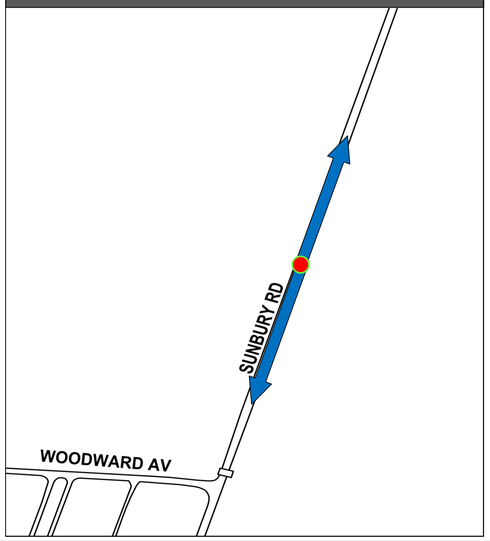
144 STRAND FOC

TO:
SPLICE-01: WOODWARD AVE. AT SUNBURY RD.
SEE SHEET 586

LEGEND

- FIBER PATCH CABLES T/R STANDARD
- FIBER PATCH CABLES R/T CROSSOVER
- EXISTING FIBER PATCH CABLES
- OUTDOOR CAT 5E CABLE
- INDOOR CAT 5E CABLE
- CAT 5E CABLE TO BE REMOVED
- TERMINATION PANEL UPC (Blue)/APC (Green)
- EXISTING/PROPOSED FIBER OR BUFFER TUBE LEFT COILED IN SPLICE ENCLOSURE
- FUSION SPLICE – 6 FIBERS/ SINGLE FIBER
- FUSION SPLICE – 12 FIBER BUFFER TUBE
- EXISTING FUSION SPLICE – 12 FIBER BUFFER TUBE
- INTERSECTION LOCATION
- GBIC OPTICAL TRANSCEIVER LH - SHORT HAUL LED ZX – LONG HAUL LASER
- SFP/COPPER/CAT5/5E/6 CONNECTOR
- COPPER/CAT5/5E/6 CONNECTOR
- 144 STRAND SMF
- 288 STRAND SMF
- WIRELESS ETHERNET RADIO

KEY PLAN



INTERSECTION 3811

REFER TO SHEET 204 FOR CONSTRUCTION PLAN DETAILS
REFER TO SHEET 470 FOR COMM OVERVIEW DETAILS

CIP: 540007 - 100012
PID NUMBER: 99733

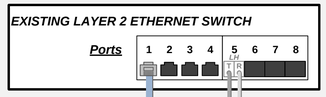
INT# 3811: OHIO DOMINICAN AT SUNBURY RD.
COMMUNICATIONS DIAGRAM

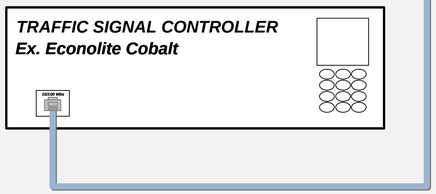
CITY OF COLUMBUS TRAFFIC SIGNAL SYSTEM
(CTSS) PHASE F – FINAL SUBMITTAL

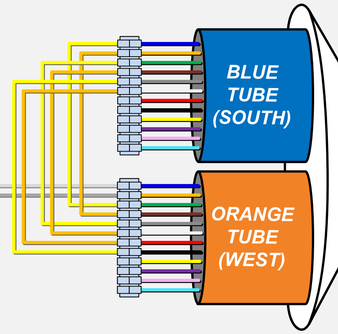
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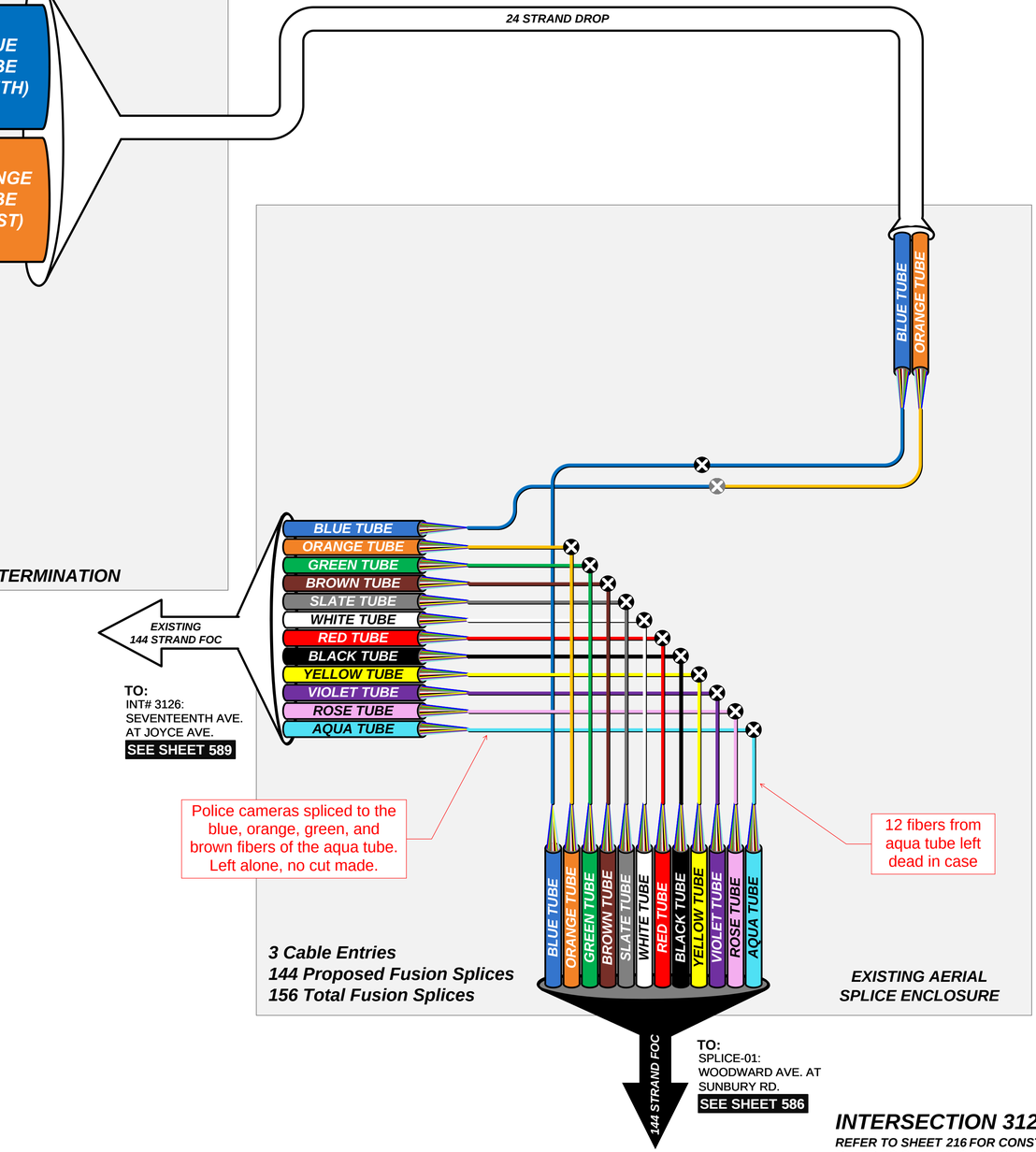
TRAFFIC SIGNAL CABINET ASSEMBLY

SWITCH	PORT	STATUS	DESTINATION	SHEET NO
1	5	EXISTING	INT# 3126: SEVENTEENTH AVE. AT JOYCE AVE.	589







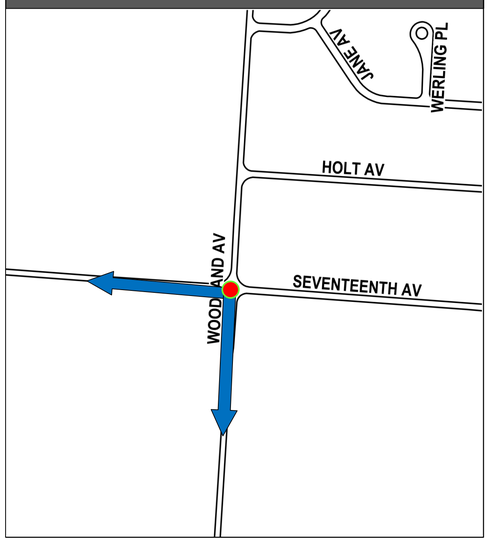


EXISTING PATCH PANEL ENCLOSURE – 24 TERMINATION

LEGEND

- FIBER PATCH CABLES T/R STANDARD
- FIBER PATCH CABLES R/T CROSSOVER
- EXISTING FIBER PATCH CABLES
- OUTDOOR CAT 5E CABLE
- INDOOR CAT 5E CABLE
- CAT 5E CABLE TO BE REMOVED
- TERMINATION PANEL UPC (Blue)/APC (Green)
- EXISTING/PROPOSED FIBER OR BUFFER TUBE LEFT COILED IN SPLICE ENCLOSURE
- FUSION SPLICE – 6 FIBERS/ SINGLE FIBER
- FUSION SPLICE – 12 FIBER BUFFER TUBE
- EXISTING FUSION SPLICE – 12 FIBER BUFFER TUBE
- INTERSECTION LOCATION
- GBIC OPTICAL TRANSCEIVER LH - SHORT HAUL LED ZX – LONG HAUL LASER
- SFP/COPPER/CAT5/5E/6 CONNECTOR
- COPPER/CAT5/5E/6 CONNECTOR
- 144 STRAND SMF
- 288 STRAND SMF
- WIRELESS ETHERNET RADIO

KEY PLAN



INTERSECTION 3127

REFER TO SHEET 216 FOR CONSTRUCTION PLAN DETAILS
REFER TO SHEET 470 FOR COMM OVERVIEW DETAILS

CIP: 540007 - 100012
PID NUMBER: 99733

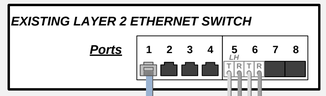
INT# 3127: SEVENTEENTH AVE. AT WOODLAND AVE.
COMMUNICATIONS DIAGRAM

CITY OF COLUMBUS TRAFFIC SIGNAL SYSTEM
(CTSS) PHASE F – FINAL SUBMITTAL

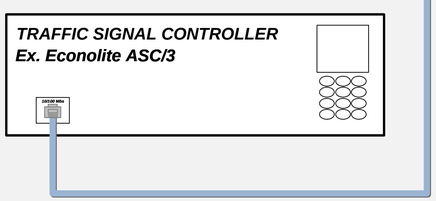
588
768

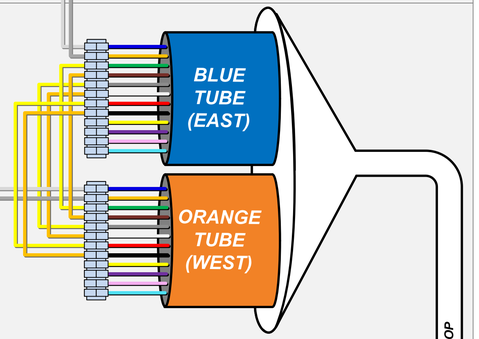
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TRAFFIC SIGNAL CABINET ASSEMBLY

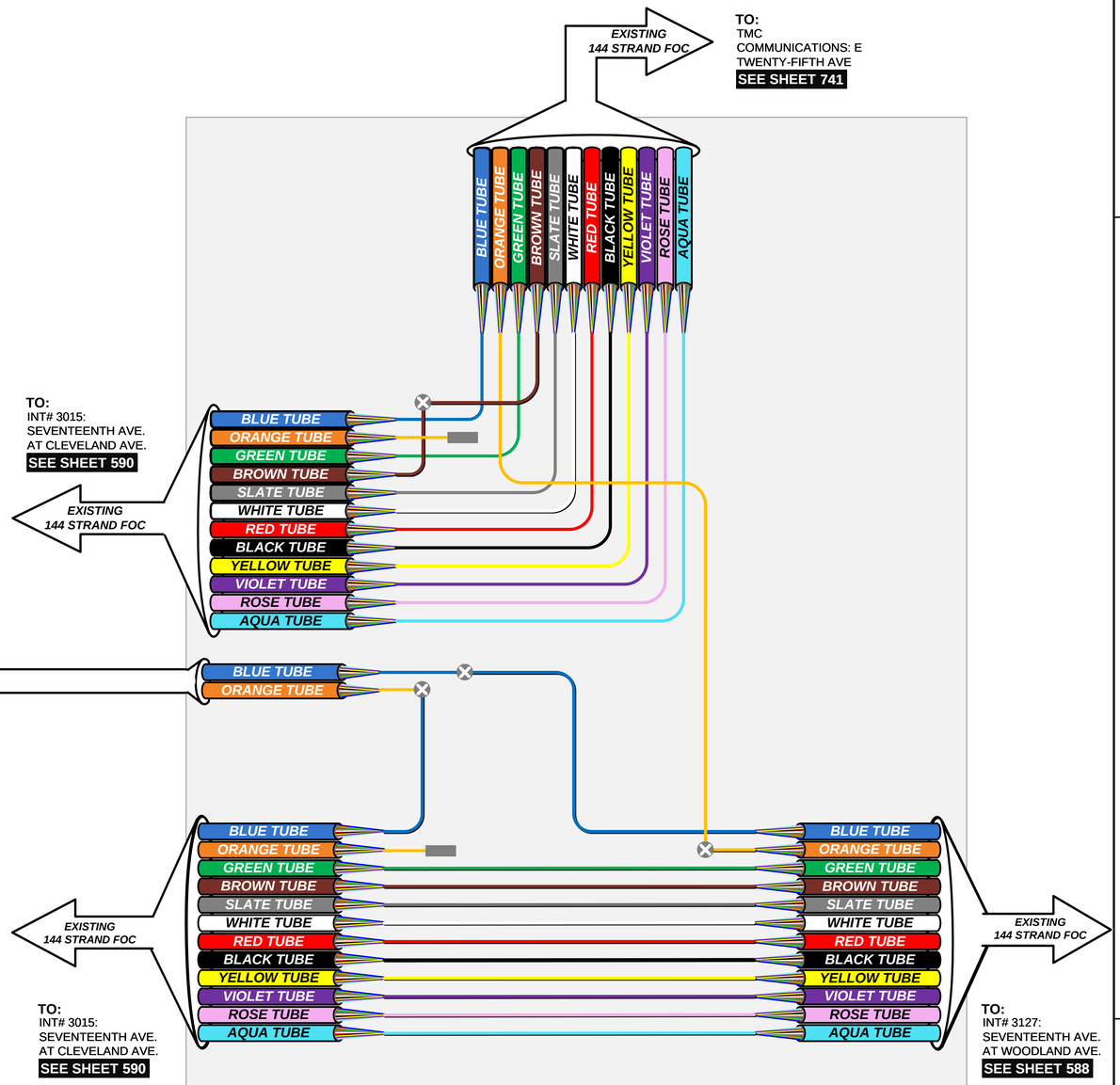


SWITCH	PORT	STATUS	DESTINATION	SHEET NO
1	5	EXISTING	INT# 3015: SEVENTEENTH AVE. AT CLEVELAND AVE.	590
1	6	EXISTING	INT# 3127: SEVENTEENTH AVE. AT WOODLAND AVE.	588





PATCH PANEL ENCLOSURE – 24 TERMINATION



EXISTING AERIAL SPLICE ENCLOSURE

LEGEND

- FIBER PATCH CABLES T/R STANDARD
- FIBER PATCH CABLES R/T CROSSOVER
- EXISTING FIBER PATCH CABLES
- OUTDOOR CAT 5E CABLE
- INDOOR CAT 5E CABLE
- CAT 5E CABLE TO BE REMOVED
- TERMINATION PANEL UPC (Blue)/APC (Green)
- EXISTING/PROPOSED FIBER OR BUFFER TUBE LEFT COILED IN SPLICE ENCLOSURE
- FUSION SPLICE – 6 FIBERS/ SINGLE FIBER
- FUSION SPLICE – 12 FIBER BUFFER TUBE
- EXISTING FUSION SPLICE – 12 FIBER BUFFER TUBE
- INTERSECTION LOCATION
- GBIC OPTICAL TRANSCEIVER LH - SHORT HAUL LED ZX – LONG HAUL LASER
- SFP/COPPER/CAT5/5E/6 CONNECTOR
- COPPER/CAT5/5E/6 CONNECTOR
- 144 STRAND SMF
- 288 STRAND SMF
- WIRELESS ETHERNET RADIO

KEY PLAN



INTERSECTION 3126

REFER TO SHEET 470 FOR COMM OVERVIEW DETAILS

CIP: 540007 - 100012
PID NUMBER: 99733

INT# 3126: SEVENTEENTH AVE. AT JOYCE AVE.
COMMUNICATIONS DIAGRAM

CITY OF COLUMBUS TRAFFIC SIGNAL SYSTEM
(CTSS) PHASE F – FINAL SUBMITTAL

589
768

\\colw00\pmwork\Jobs\70202 - CTSS Phase F\TECHPROD\Communications\Intersection Splicing Details\579-590.vsd - 3126 layout ~ last saved by: skoganti 6/1/2022 10:26:28 AM ~ printed: 6/1/2022 10:26:28 AM

TRAFFIC SIGNAL CABINET ASSEMBLY

SWITCH	PORT	STATUS	DESTINATION	SHEET NO
1	5	EXISTING	EXISTING CONNECTION TO INT# 3014: WINDSOR AVE. AT CLEVELAND AVE.	
1	6	EXISTING	EXISTING CONNECTION TO INT# 3017: TWENTIETH AVE. AT CLEVELAND AVE.	
1	7	EXISTING	EXISTING CONNECTION TO INT# 3062: SEVENTEENTH AVE. AT HAMILTON AVE.	
1	8	EXISTING	INT# 3126: SEVENTEENTH AVE. AT JOYCE AVE.	589

EXISTING LAYER 2 ETHERNET SWITCH

Ports 1 2 3 4 5 6 7 8

TRAFFIC SIGNAL CONTROLLER
Ex. Econolite ASC/3

EXISTING PATCH PANEL
ENCLOSURE – (3) - 24 TERMINATION

BLUE TUBE (NORTH)
ORANGE TUBE (SOUTH)
BLUE TUBE (EAST)
ORANGE TUBE (WEST)
BLUE TUBE (EAST)
ORANGE TUBE (SPARE)

EXISTING 24 STRAND DROP
EXISTING 24 STRAND DROP
EXISTING 144 STRAND FOC

TO:
INT# 3014:
CLEVELAND AVE.
AT WINDSOR AVE.

EXISTING 24 STRAND DROP

EXISTING 144 STRAND FOC

TO:
INT# 3017:
TWENTIETH AVE. AT
CLEVELAND AVE.

BLUE TUBE
ORANGE TUBE
GREEN TUBE
BROWN TUBE
SLATE TUBE
WHITE TUBE
RED TUBE
BLACK TUBE
YELLOW TUBE
VIOLET TUBE
ROSE TUBE
AQUA TUBE

BLUE TUBE — EXISTING 12 STRAND DROP
BLUE TUBE — EXISITNG 12 STRAND DROP
TO: EXISTING COTA CABINETS

EXISTING 144 STRAND FOC

TO:
INT# 3126:
SEVENTEENTH AVE. AT
JOYCE AVE.
SEE SHEET 589

EXISTING 144 STRAND FOC

TO:
INT# 3062:
SEVENTEENTH AVE.
AT HAMILTON AVE.

EXISTING 144 STRAND FOC

TO:
INT# 3126:
SEVENTEENTH AVE. AT
JOYCE AVE.
SEE SHEET 589

EXISTING AERIAL
SPLICE ENCLOSURE

LEGEND

- FIBER PATCH CABLES T/R STANDARD
- FIBER PATCH CABLES R/T CROSSOVER
- EXISTING FIBER PATCH CABLES
- OUTDOOR CAT 5E CABLE
- INDOOR CAT 5E CABLE
- CAT 5E CABLE TO BE REMOVED
- TERMINATION PANEL UPC (Blue)/APC (Green)
- EXISTING/PROPOSED FIBER OR BUFFER TUBE LEFT COILED IN SPLICE ENCLOSURE
- FUSION SPLICE – 6 FIBERS/ SINGLE FIBER
- FUSION SPLICE – 12 FIBER BUFFER TUBE
- EXISTING FUSION SPLICE – 12 FIBER BUFFER TUBE
- INTERSECTION LOCATION
- GBIC OPTICAL TRANSCEIVER LH - SHORT HAUL LED ZX – LONG HAUL LASER
- SFP/COPPER/CAT5/5E/6 CONNECTOR
- COPPER/CAT5/5E/6 CONNECTOR
- 144 STRAND SMF
- 288 STRAND SMF
- WIRELESS ETHERNET RADIO

KEY PLAN



INTERSECTION 3015

REFER TO SHEET 470 FOR COMM OVERVIEW DETAILS

CIP: 540007 - 100012
PID NUMBER: 99733

INT# 3015: SEVENTEENTH AVE. AT CLEVELAND AVE.
COMMUNICATIONS DIAGRAM

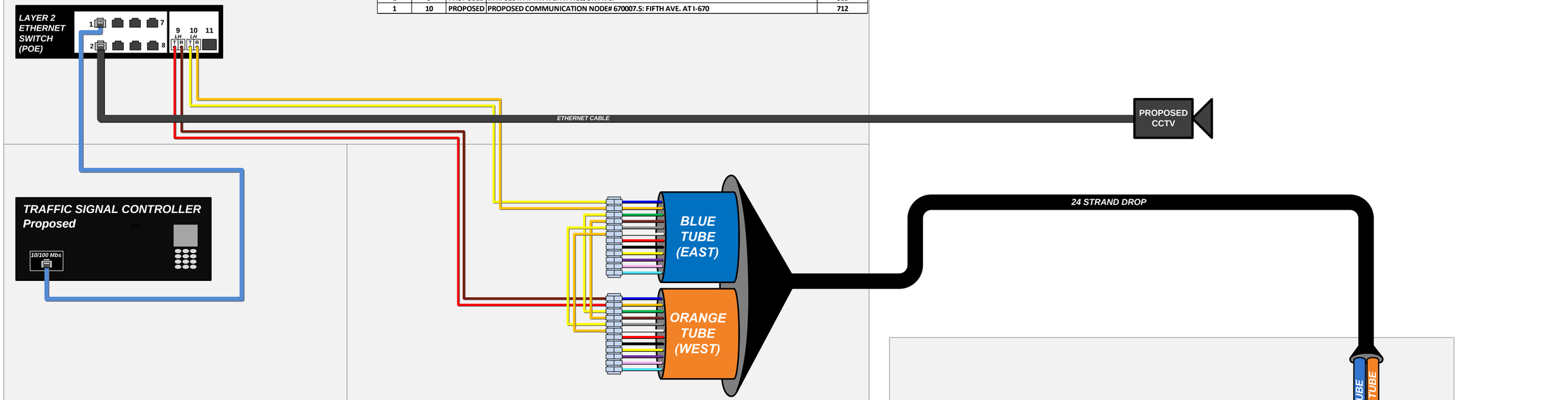
CITY OF COLUMBUS TRAFFIC SIGNAL SYSTEM
(CTSS) PHASE F – FINAL SUBMITTAL

590
768

\\colw00\pmwork\Jobs\70202 - CTSS Phase F\TECHPROD\Communications\Intersection Splicing Details\579-590.vsd - 3015 layout ~ last saved by: skoganti 6/1/2022 10:26:28 AM ~ printed: 6/1/2022 10:26:28 AM

TRAFFIC SIGNAL CABINET ASSEMBLY

SWITCH	PORT	STATUS	DESTINATION	SHEET NO
1	9	PROPOSED	INT# 3104: FIFTH AVE. AT NELSON AVE.	583
1	10	PROPOSED	PROPOSED COMMUNICATION NODE# 670007.5: FIFTH AVE. AT I-670	712



PATCH PANEL ENCLOSURE – 24 TERMINATION

TO:

INT# 3104: FIFTH AVE. AT NELSON AVE.

SEE SHEET 583

TO:

PROPOSED COMMUNICATION NODE# 670007.5: FIFTH AVE. AT I-670

SEE SHEET 712

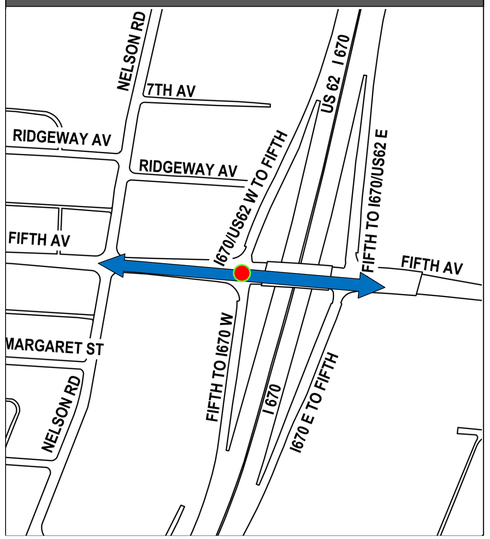
3 Cable Entries
24 Proposed Fusion Splices
11 Buffer Tubes Passed Through Unspliced

DOME, 288 FUSION SPLICE, AERIAL SPLICE ENCLOSURE

LEGEND

- FIBER PATCH CABLES T/R STANDARD
- FIBER PATCH CABLES R/T CROSSOVER
- EXISTING FIBER PATCH CABLES
- OUTDOOR CAT 5E CABLE
- INDOOR CAT 5E CABLE
- CAT 5E CABLE TO BE REMOVED
- TERMINATION PANEL UPC (Blue)/APC (Green)
- EXISTING/PROPOSED FIBER OR BUFFER TUBE LEFT COILED IN SPLICE ENCLOSURE
- FUSION SPLICE – 6 FIBERS/ SINGLE FIBER
- FUSION SPLICE – 12 FIBER BUFFER TUBE
- EXISTING FUSION SPLICE – 12 FIBER BUFFER TUBE
- INTERSECTION LOCATION
- GBIC OPTICAL TRANSCEIVER LH - SHORT HAUL LED ZX – LONG HAUL LASER
- SFP/COPPER/CAT5/5E/6 CONNECTOR
- COPPER/CAT5/5E/6 CONNECTOR
- 144 STRAND SMF
- 288 STRAND SMF
- WIRELESS ETHERNET RADIO

KEY PLAN



INTERSECTION 3205

REFER TO SHEET 176 FOR CONSTRUCTION PLAN DETAILS
REFER TO SHEET 471 FOR COMM OVERVIEW DETAILS

CIP: 540007 - 100012
PID NUMBER: 99733

INT# 3205: FIFTH AVE. AT I-670 WB
COMMUNICATIONS DIAGRAM

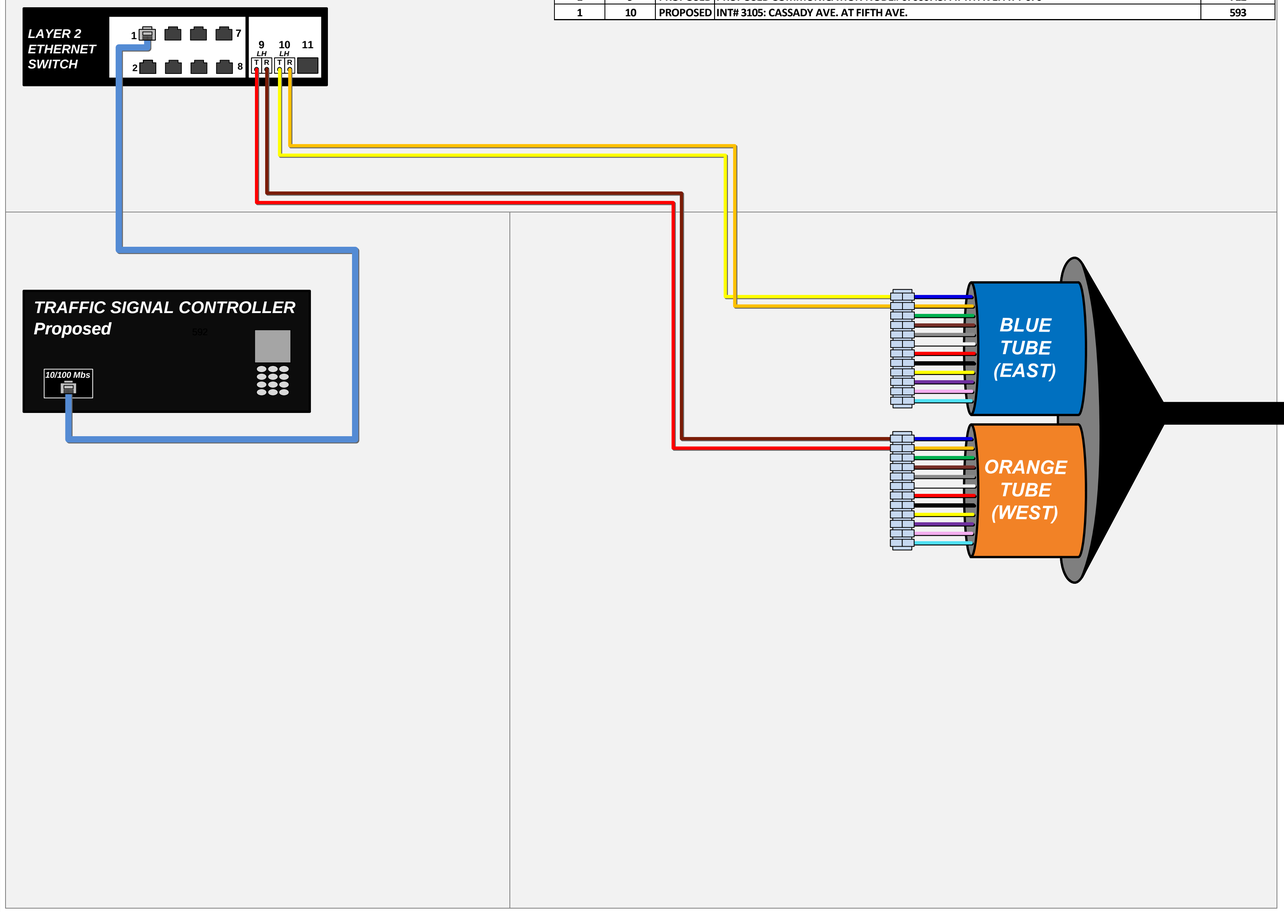
CITY OF COLUMBUS TRAFFIC SIGNAL SYSTEM
(CTSS) PHASE F – FINAL SUBMITTAL

591
768

\\colw00\pmwork\Jobs\70202 - CTSS Phase F\TECHPROD\Communications\Intersection Splicing Details\591-600.vsd - 3205 layout ~ last saved by: skoganti 6/1/2022 10:44:35 AM ~ printed: 6/1/2022 10:44:35 AM

TRAFFIC SIGNAL CABINET ASSEMBLY

SWITCH	PORT	STATUS	DESTINATION	SHEET NO
1	9	PROPOSED	PROPOSED COMMUNICATION NODE# 670007.5: FIFTH AVE. AT I-670	712
1	10	PROPOSED	INT# 3105: CASSADY AVE. AT FIFTH AVE.	593



TO:
PROPOSED COMMUNICATION NODE# 670007.5: FIFTH AVE. AT I-670
SEE SHEET 712

TO:
INT# 3105: CASSADY AVE. AT FIFTH AVE.
SEE SHEET 593

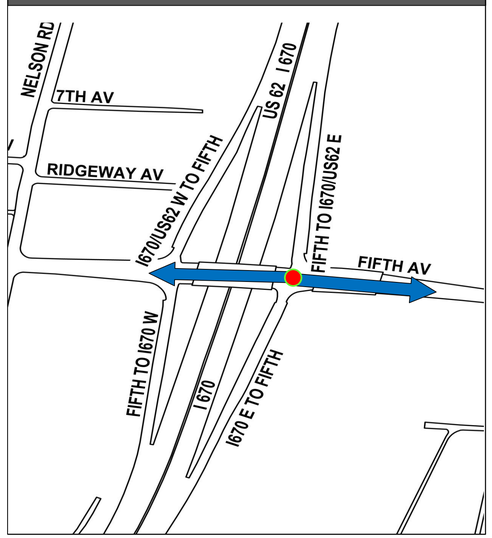
3 Cable Entries
24 Proposed Fusion Splices
11 Buffer Tubes Passed Through Unspliced

DOME, 288 FUSION SPLICE, AERIAL SPLICE ENCLOSURE

LEGEND

- FIBER PATCH CABLES T/R STANDARD
- FIBER PATCH CABLES R/T CROSSOVER
- EXISTING FIBER PATCH CABLES
- OUTDOOR CAT 5E CABLE
- INDOOR CAT 5E CABLE
- CAT 5E CABLE TO BE REMOVED
- TERMINATION PANEL UPC (Blue)/APC (Green)
- EXISTING/PROPOSED FIBER OR BUFFER TUBE LEFT COILED IN SPLICE ENCLOSURE
- FUSION SPLICE – 6 FIBERS/ SINGLE FIBER
- FUSION SPLICE – 12 FIBER BUFFER TUBE
- EXISTING FUSION SPLICE – 12 FIBER BUFFER TUBE
- INTERSECTION LOCATION
- GBIC OPTICAL TRANSCEIVER LH - SHORT HAUL LED ZX – LONG HAUL LASER
- SFP/COPPER/CAT5/5E/6 CONNECTOR
- COPPER/CAT5/5E/6 CONNECTOR
- 144 STRAND SMF
- 288 STRAND SMF
- WIRELESS ETHERNET RADIO

KEY PLAN



INTERSECTION 3206

REFER TO SHEET 177 FOR CONSTRUCTION PLAN DETAILS
REFER TO SHEET 471 FOR COMM OVERVIEW DETAILS

CIP: 540007 - 100012
PID NUMBER: 99733

INT# 3206: FIFTH AVE. AT I-670 EB
COMMUNICATIONS DIAGRAM

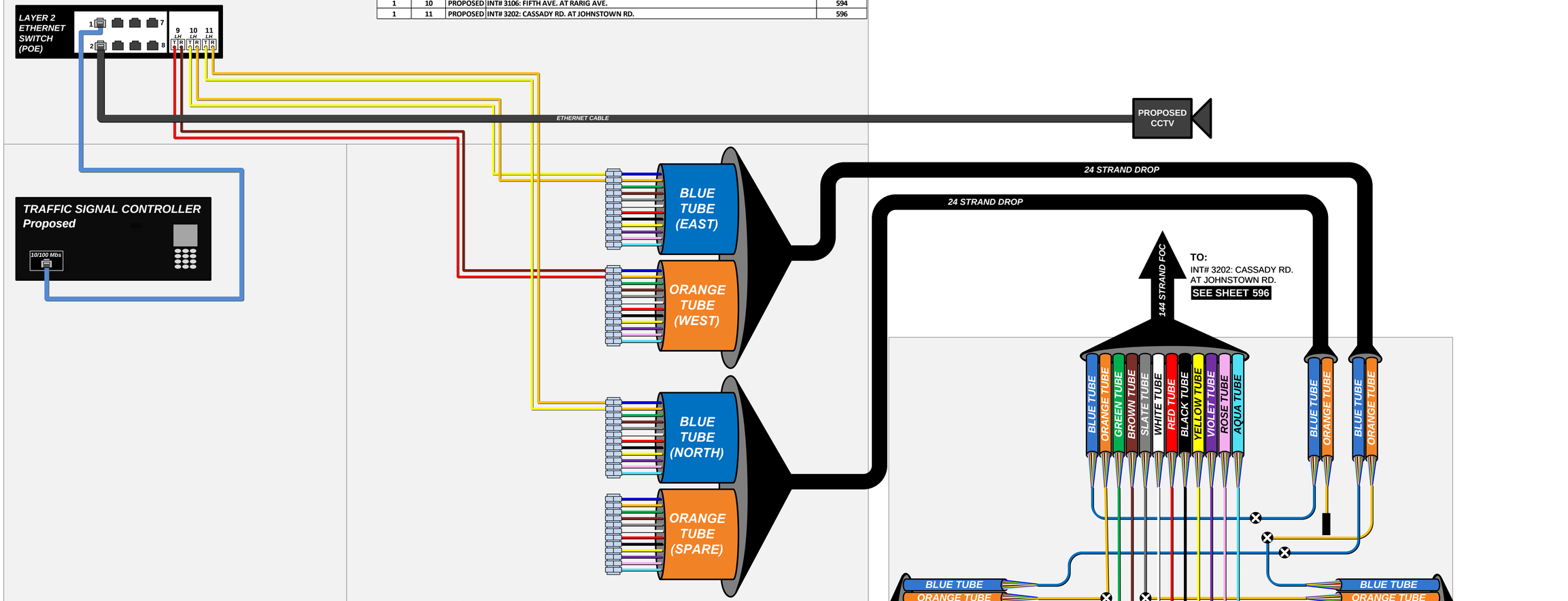
CITY OF COLUMBUS TRAFFIC SIGNAL SYSTEM
(CTSS) PHASE F – FINAL SUBMITTAL

592
768

\\colw00\pmwork\Jobs\70202 - CTSS Phase F\TECHPROD\Communications\Intersection Splicing Details\591-600.vsd - 3206 layout ~ last saved by: skoganti 6/1/2022 10:44:35 AM ~ printed: 6/1/2022 10:44:35 AM

TRAFFIC SIGNAL CABINET ASSEMBLY

SWITCH	PORT	STATUS	DESTINATION	SHEET NO
1	9	PROPOSED	INT# 3206: FIFTH AVE. AT I-670 EB	592
1	10	PROPOSED	INT# 3106: FIFTH AVE. AT RARIG AVE.	594
1	11	PROPOSED	INT# 3202: CASSADY RD. AT JOHNSTOWN RD.	596



PATCH PANEL ENCLOSURE – (2)-24 TERMINATION

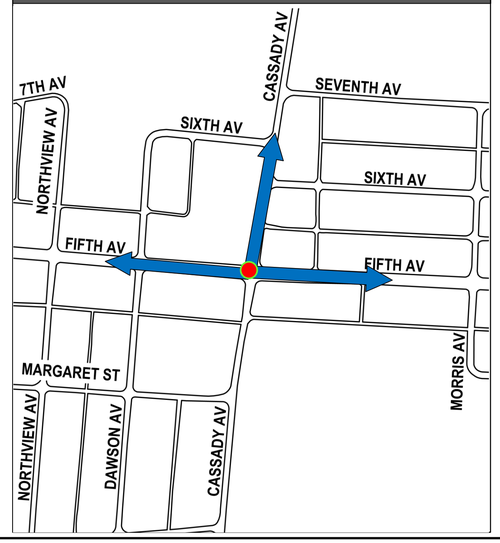
5 Cable Entries
168 Proposed Fusion Splices
2 Coiled Buffer Tubes
5 Buffer Tubes Passed Through Unspliced

DOME, 800 FUSION SPLICE, AERIAL SPLICE ENCLOSURE

LEGEND

- FIBER PATCH CABLES T/R STANDARD
- FIBER PATCH CABLES R/T CROSSOVER
- EXISTING FIBER PATCH CABLES
- OUTDOOR CAT 5E CABLE
- INDOOR CAT 5E CABLE
- CAT 5E CABLE TO BE REMOVED
- TERMINATION PANEL UPC (Blue)/APC (Green)
- EXISTING/PROPOSED FIBER OR BUFFER TUBE LEFT COILED IN SPLICE ENCLOSURE
- FUSION SPLICE – 6 FIBERS/ SINGLE FIBER
- FUSION SPLICE – 12 FIBER BUFFER TUBE
- EXISTING FUSION SPLICE – 12 FIBER BUFFER TUBE
- INTERSECTION LOCATION
- GBIC OPTICAL TRANSCEIVER LH - SHORT HAUL LED ZX – LONG HAUL LASER
- SFP/COPPER/CAT5/5E/6 CONNECTOR
- COPPER/CAT5/5E/6 CONNECTOR
- 144 STRAND SMF
- 288 STRAND SMF
- WIRELESS ETHERNET RADIO

KEY PLAN



NOTE:
TO BE INSTALLED WITH IMPROVEMENTS OF CASSADY AVE. E-3533

INTERSECTION 3105

REFER TO SHEET 180 FOR CONSTRUCTION PLAN DETAILS
REFER TO SHEET 471 FOR COMM OVERVIEW DETAILS

CIP: 540007 - 100012
PID NUMBER: 99733

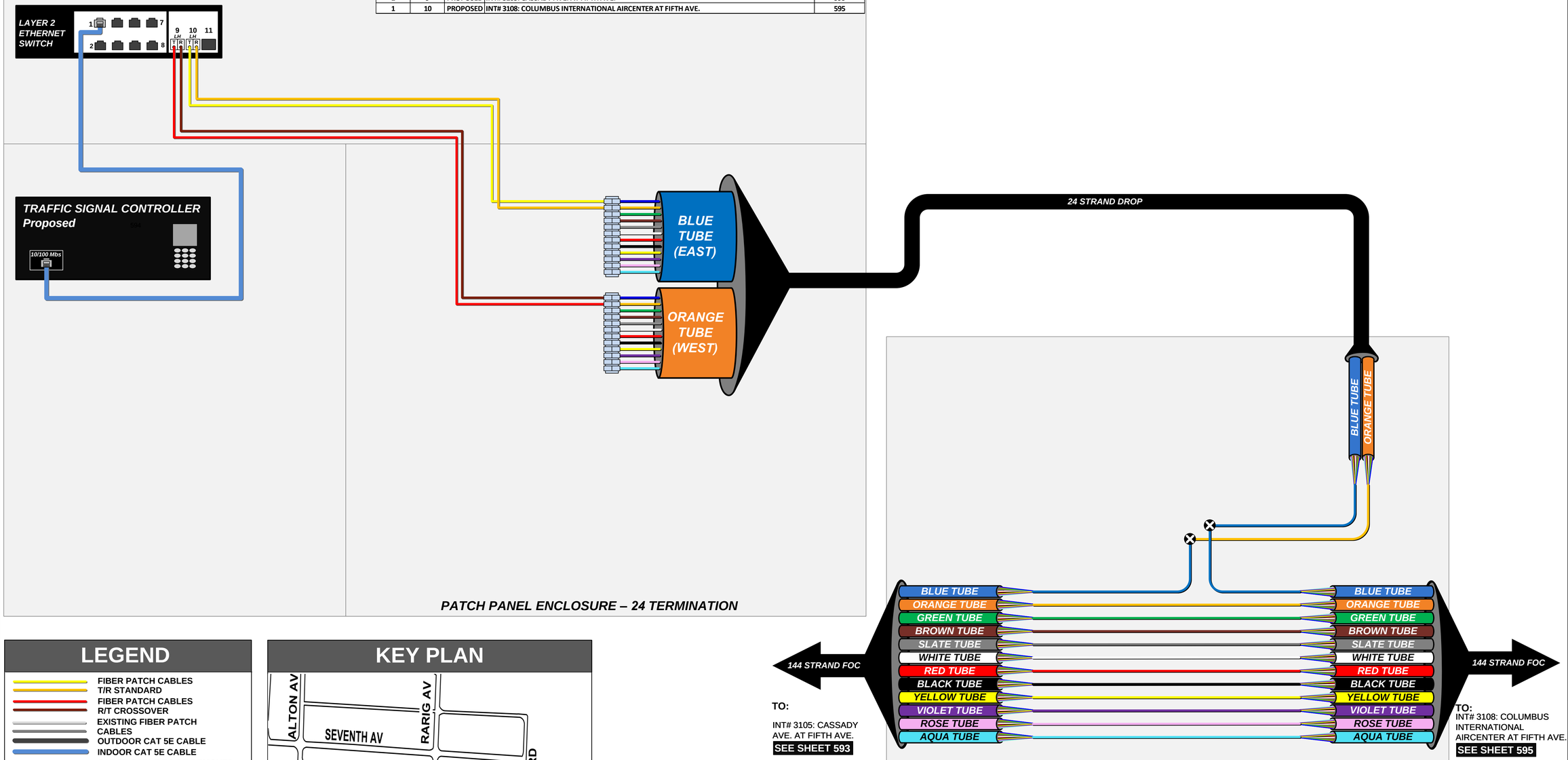
INT# 3105: CASSADY AVE. AT FIFTH AVE.
COMMUNICATIONS DIAGRAM

CITY OF COLUMBUS TRAFFIC SIGNAL SYSTEM
(CTSS) PHASE F – FINAL SUBMITTAL

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TRAFFIC SIGNAL CABINET ASSEMBLY

SWITCH	PORT	STATUS	DESTINATION	SHEET NO
1	9	PROPOSED	INT# 3105: CASSADY AVE. AT FIFTH AVE.	593
1	10	PROPOSED	INT# 3108: COLUMBUS INTERNATIONAL AIRCENTER AT FIFTH AVE.	595



PATCH PANEL ENCLOSURE – 24 TERMINATION

TO:

INT# 3105: CASSADY AVE. AT FIFTH AVE.

SEE SHEET 593

TO:

INT# 3108: COLUMBUS INTERNATIONAL AIRCENTER AT FIFTH AVE.

SEE SHEET 595

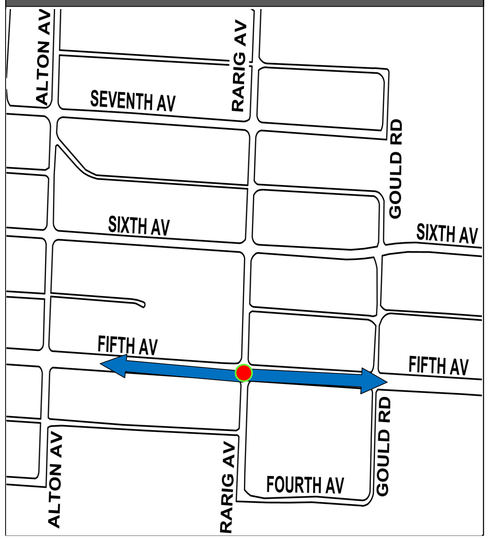
3 Cable Entries
24 Proposed Fusion Splices
11 Buffer Tubes Passed Through Unspliced

DOME, 288 FUSION SPLICE, AERIAL SPLICE ENCLOSURE

LEGEND

- FIBER PATCH CABLES T/R STANDARD
- FIBER PATCH CABLES R/T CROSSOVER
- EXISTING FIBER PATCH CABLES
- OUTDOOR CAT 5E CABLE
- INDOOR CAT 5E CABLE
- CAT 5E CABLE TO BE REMOVED
- TERMINATION PANEL UPC (Blue)/APC (Green)
- EXISTING/PROPOSED FIBER OR BUFFER TUBE LEFT COILED IN SPLICE ENCLOSURE
- FUSION SPLICE – 6 FIBERS/ SINGLE FIBER
- FUSION SPLICE – 12 FIBER BUFFER TUBE
- EXISTING FUSION SPLICE – 12 FIBER BUFFER TUBE
- INTERSECTION LOCATION
- GBIC OPTICAL TRANSCEIVER LH - SHORT HAUL LED ZX – LONG HAUL LASER
- SFP/COPPER/CAT5/5E/6 CONNECTOR
- COPPER/CAT5/5E/6 CONNECTOR
- 144 STRAND SMF
- 288 STRAND SMF
- WIRELESS ETHERNET RADIO

KEY PLAN



INTERSECTION 3106

REFER TO SHEET 182 FOR CONSTRUCTION PLAN DETAILS
REFER TO SHEET 471 FOR COMM OVERVIEW DETAILS

CIP: 540007 - 100012
PID NUMBER: 99733

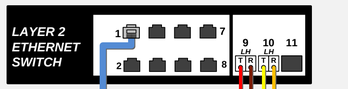
INT# 3106: FIFTH AVE. AT RARIG AVE.
COMMUNICATIONS DIAGRAM

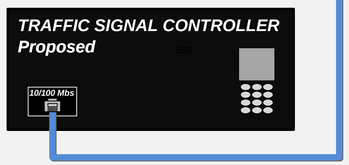
CITY OF COLUMBUS TRAFFIC SIGNAL SYSTEM
(CTSS) PHASE F – FINAL SUBMITTAL

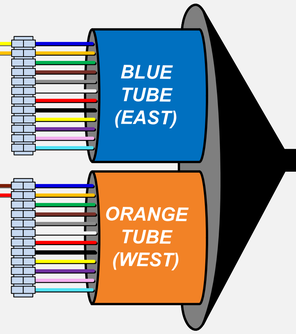
\\colw00\pmwork\Jobs\70202 - CTSS Phase F\TECHPROD\Communications\Intersection Splicing Details\591-600.vsd - 3106 layout ~ last saved by: skoganti 6/1/2022 10:44:35 AM ~ printed: 6/1/2022 10:44:35 AM

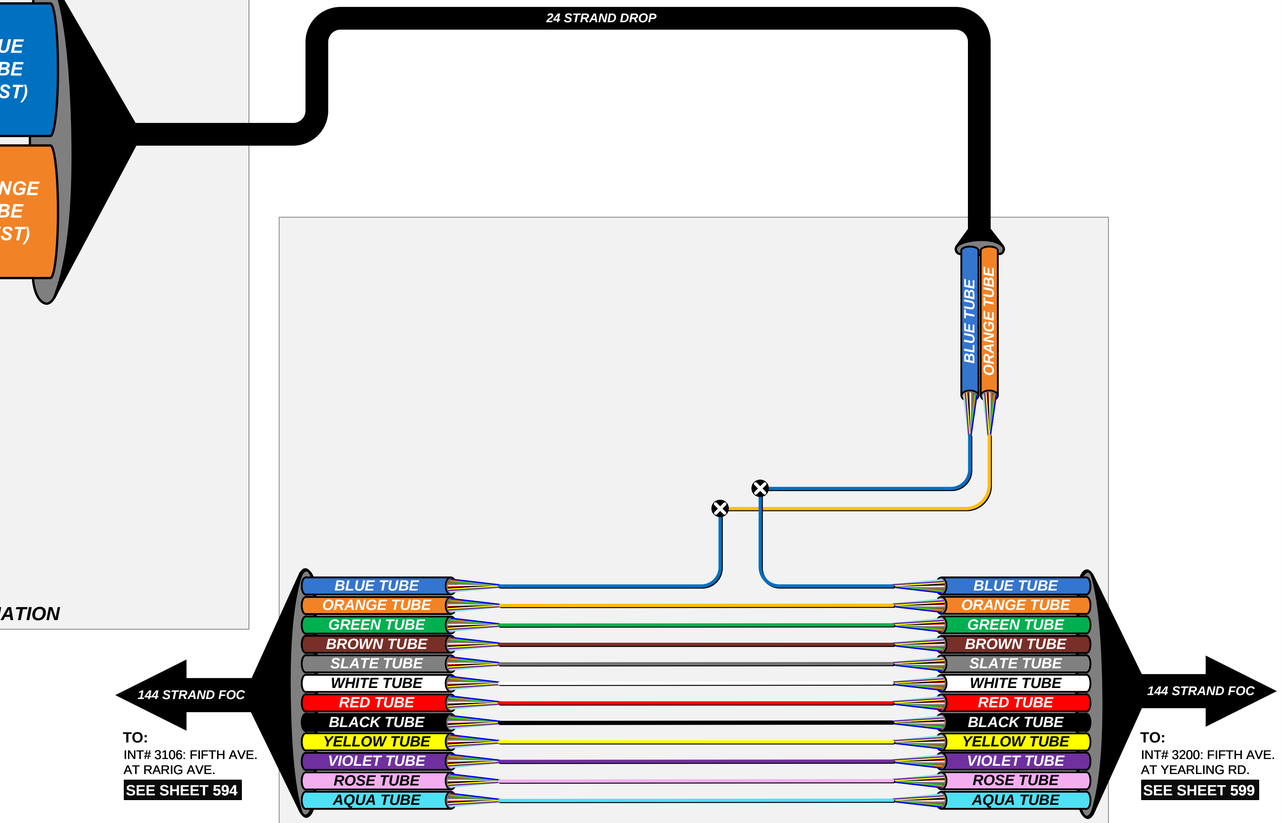
TRAFFIC SIGNAL CABINET ASSEMBLY

SWITCH	PORT	STATUS	DESTINATION	SHEET NO
1	9	PROPOSED	INT# 3106: FIFTH AVE. AT RARIG AVE.	594
1	10	PROPOSED	INT# 3200: FIFTH AVE. AT YEARLING RD.	599







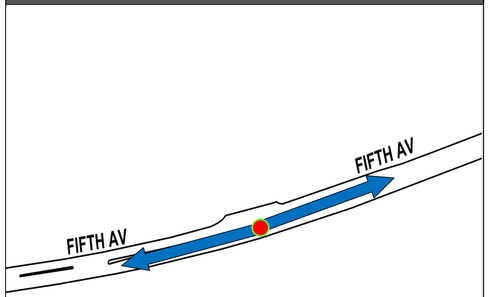


PATCH PANEL ENCLOSURE – 24 TERMINATION

LEGEND

- FIBER PATCH CABLES T/R STANDARD
- FIBER PATCH CABLES R/T CROSSOVER
- EXISTING FIBER PATCH CABLES
- OUTDOOR CAT 5E CABLE
- INDOOR CAT 5E CABLE
- CAT 5E CABLE TO BE REMOVED
- TERMINATION PANEL UPC (Blue)/APC (Green)
- EXISTING/PROPOSED FIBER OR BUFFER TUBE LEFT COILED IN SPLICE ENCLOSURE
- FUSION SPLICE – 6 FIBERS/ SINGLE FIBER
- FUSION SPLICE – 12 FIBER BUFFER TUBE
- EXISTING FUSION SPLICE – 12 FIBER BUFFER TUBE
- INTERSECTION LOCATION
- GBIC OPTICAL TRANSCEIVER LH - SHORT HAUL LED ZX – LONG HAUL LASER
- SFP/COPPER/CAT5/5E/6 CONNECTOR
- COPPER/CAT5/5E/6 CONNECTOR
- 144 STRAND SMF
- 288 STRAND SMF
- WIRELESS ETHERNET RADIO

KEY PLAN



INTERSECTION 3108

REFER TO SHEET 190 FOR CONSTRUCTION PLAN DETAILS
REFER TO SHEET 471 FOR COMM OVERVIEW DETAILS

CIP: 540007 - 100012
PID NUMBER: 99733

INT# 3108: COLUMBUS INTERNATIONAL AIRCENTER AT FIFTH AVE.
COMMUNICATIONS DIAGRAM

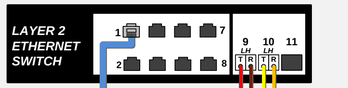
CITY OF COLUMBUS TRAFFIC SIGNAL SYSTEM
(CTSS) PHASE F – FINAL SUBMITTAL

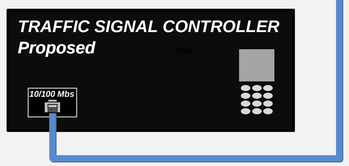
595
768

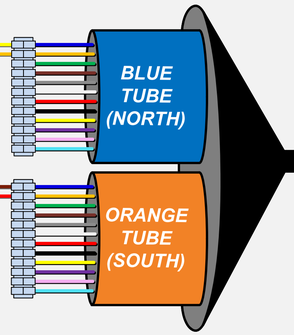
\\colw00\pmwork\Jobs\70202 - CTSS Phase F\TECHPROD\Communications\Intersection Spliicing Details\591-600.vsd - 3108 layout ~ last saved by: skoganti 6/1/2022 10:44:35 AM ~ printed: 6/1/2022 10:44:35 AM

TRAFFIC SIGNAL CABINET ASSEMBLY

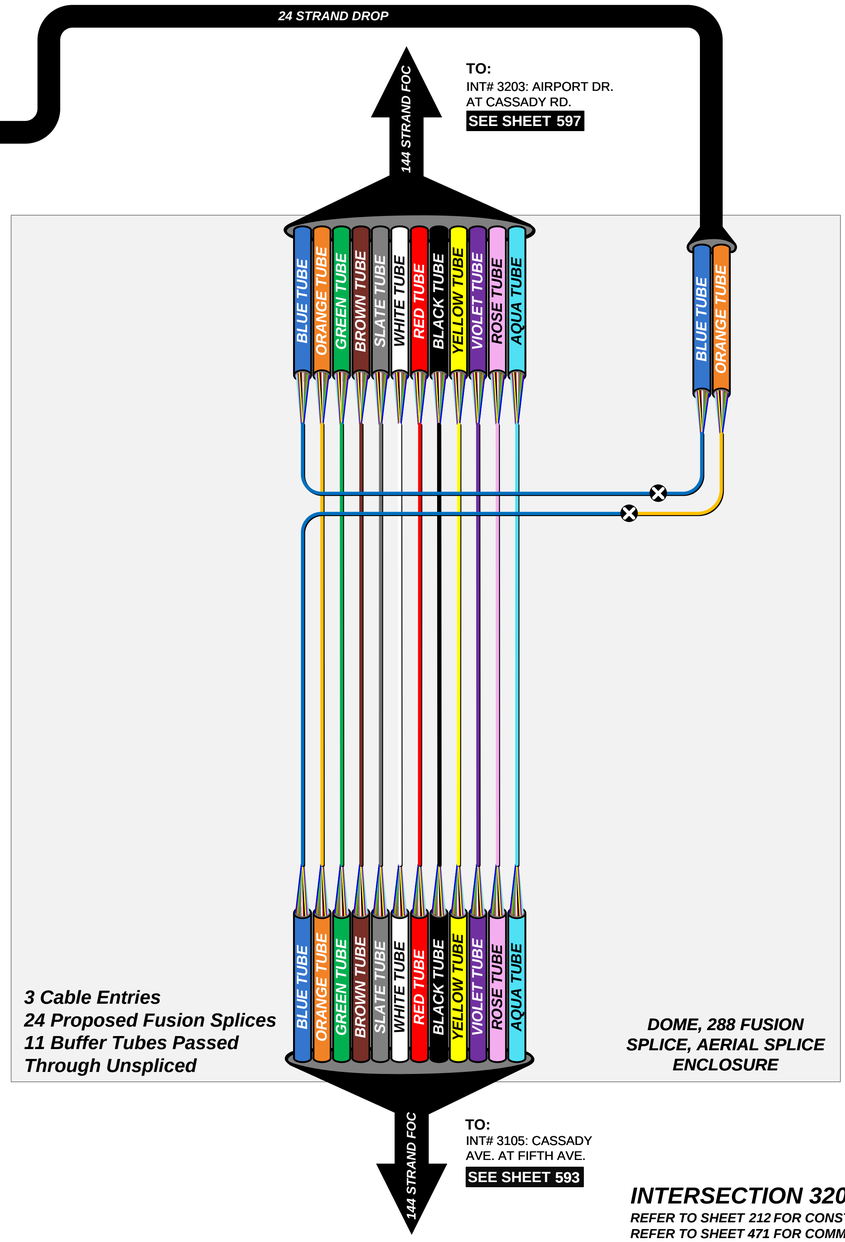
SWITCH	PORT	STATUS	DESTINATION	SHEET NO
1	9	PROPOSED	INT# 3105: CASSADY AVE. AT FIFTH AVE.	593
1	10	PROPOSED	INT# 3203: AIRPORT DR. AT CASSADY RD.	597







PATCH PANEL ENCLOSURE – 24 TERMINATION



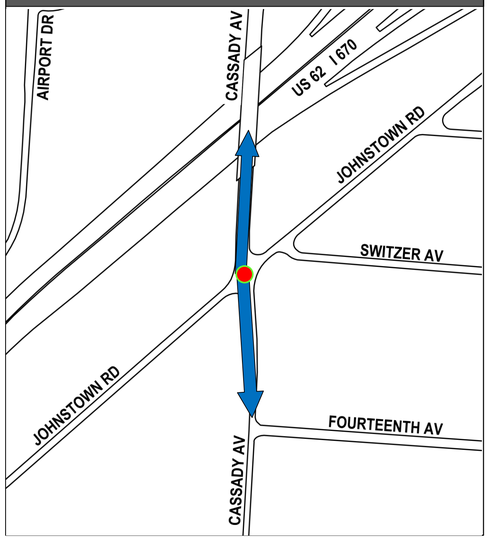
3 Cable Entries
24 Proposed Fusion Splices
11 Buffer Tubes Passed Through Unspliced

DOME, 288 FUSION SPLICE, AERIAL SPLICE ENCLOSURE

LEGEND

- FIBER PATCH CABLES T/R STANDARD
- FIBER PATCH CABLES R/T CROSSOVER
- EXISTING FIBER PATCH CABLES
- OUTDOOR CAT 5E CABLE
- INDOOR CAT 5E CABLE
- CAT 5E CABLE TO BE REMOVED
- TERMINATION PANEL UPC (Blue)/APC (Green)
- EXISTING/PROPOSED FIBER OR BUFFER TUBE LEFT COILED IN SPLICE ENCLOSURE
- FUSION SPLICE – 6 FIBERS/ SINGLE FIBER
- FUSION SPLICE – 12 FIBER BUFFER TUBE
- EXISTING FUSION SPLICE – 12 FIBER BUFFER TUBE
- INTERSECTION LOCATION
- GBIC OPTICAL TRANSCEIVER LH - SHORT HAUL LED ZX – LONG HAUL LASER
- SFP/COPPER/CAT5/5E/6 CONNECTOR
- COPPER/CAT5/5E/6 CONNECTOR
- 144 STRAND SMF
- 288 STRAND SMF
- WIRELESS ETHERNET RADIO

KEY PLAN



INTERSECTION 3202

REFER TO SHEET 212 FOR CONSTRUCTION PLAN DETAILS
REFER TO SHEET 471 FOR COMM OVERVIEW DETAILS

CIP: 540007 - 100012
PID NUMBER: 99733

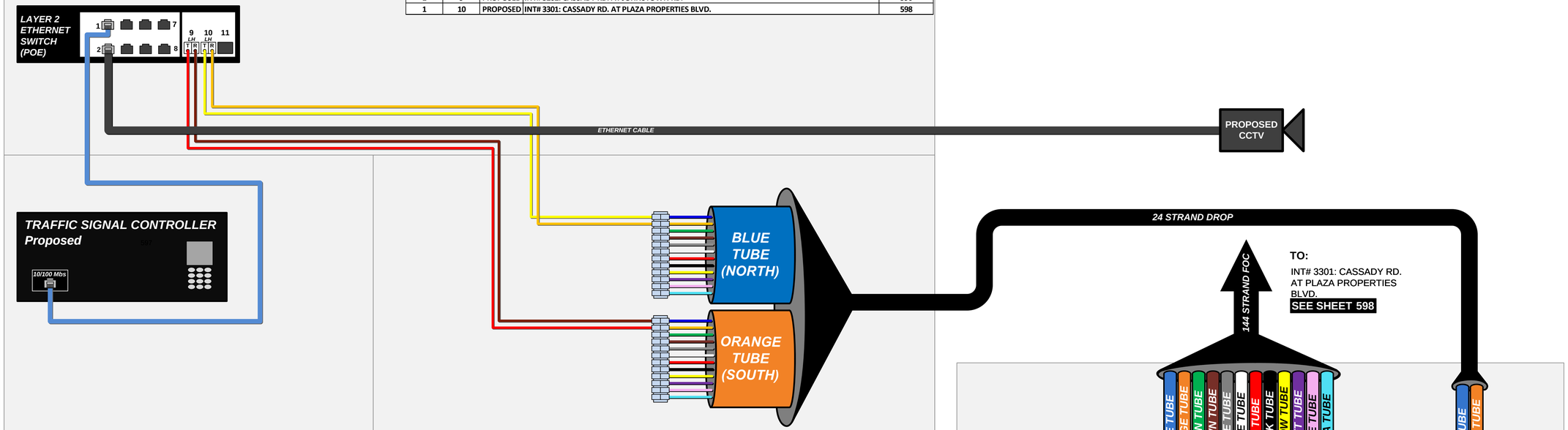
INT# 3202: CASSADY RD. AT JOHNSTOWN RD.
COMMUNICATIONS DIAGRAM

CITY OF COLUMBUS TRAFFIC SIGNAL SYSTEM
(CTSS) PHASE F – FINAL SUBMITTAL

\\colw00\pmwork\Jobs\70202 - CTSS Phase F\TECHPROD\Communications\Intersection Splicing Details\591-600.vsd - 3202 layout ~ last saved by: skoganti 6/1/2022 10:44:35 AM ~ printed: 6/1/2022 10:44:35 AM

TRAFFIC SIGNAL CABINET ASSEMBLY

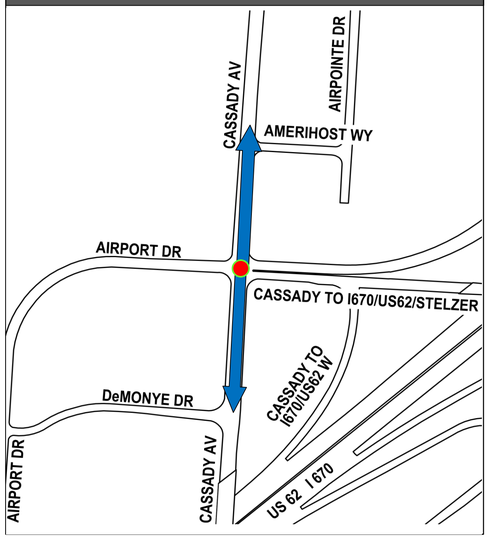
SWITCH	PORT	STATUS	DESTINATION	SHEET NO
1	9	PROPOSED	INT# 3202: CASSADY RD. AT JOHNSTOWN RD.	596
1	10	PROPOSED	INT# 3301: CASSADY RD. AT PLAZA PROPERTIES BLVD.	598



LEGEND

- FIBER PATCH CABLES T/R STANDARD
- FIBER PATCH CABLES R/T CROSSOVER
- EXISTING FIBER PATCH CABLES
- OUTDOOR CAT 5E CABLE
- INDOOR CAT 5E CABLE
- CAT 5E CABLE TO BE REMOVED
- TERMINATION PANEL UPC (Blue)/APC (Green)
- EXISTING/PROPOSED FIBER OR BUFFER TUBE LEFT COILED IN SPLICE ENCLOSURE
- FUSION SPLICE – 6 FIBERS/ SINGLE FIBER
- FUSION SPLICE – 12 FIBER BUFFER TUBE
- EXISTING FUSION SPLICE – 12 FIBER BUFFER TUBE
- INTERSECTION LOCATION
- GBIC OPTICAL TRANSCEIVER LH - SHORT HAUL LED ZX – LONG HAUL LASER
- SFP/COPPER/CAT5/5E/6 CONNECTOR
- COPPER/CAT5/5E/6 CONNECTOR
- 144 STRAND SMF
- 288 STRAND SMF
- WIRELESS ETHERNET RADIO

KEY PLAN



INTERSECTION 3203

REFER TO SHEET 213 FOR CONSTRUCTION PLAN DETAILS
REFER TO SHEET 471 FOR COMM OVERVIEW DETAILS

CIP: 540007 - 100012
PID NUMBER: 99733

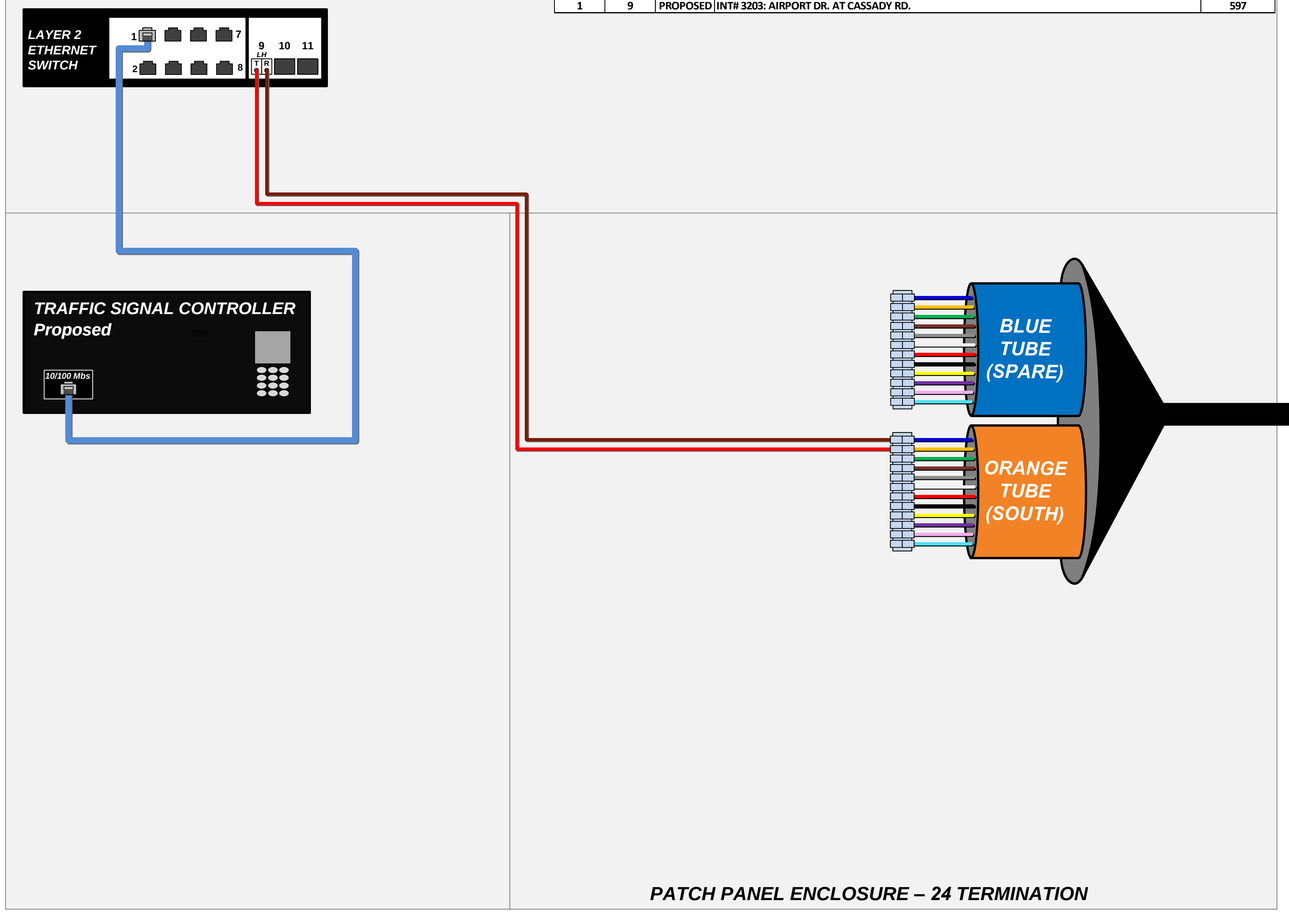
INT# 3203: AIRPORT DR. AT CASSADY RD.
COMMUNICATIONS DIAGRAM

CITY OF COLUMBUS TRAFFIC SIGNAL SYSTEM
(CTSS) PHASE F – FINAL SUBMITTAL

\\colw00\pmwork\Jobs\70202 - CTSS Phase F\TECHPROD\Communications\Intersection Splicing Details\591-600.vsd - 3203 layout ~ last saved by: skoganti 6/1/2022 10:44:35 AM ~ printed: 6/1/2022 10:44:35 AM

TRAFFIC SIGNAL CABINET ASSEMBLY

SWITCH	PORT	STATUS	DESTINATION	SHEET NO
1	9	PROPOSED	INT# 3203: AIRPORT DR. AT CASSADY RD.	597



PATCH PANEL ENCLOSURE – 24 TERMINATION

2 Cable Entries
12 Proposed Fusion Splices
12 Coiled Buffer Tubes

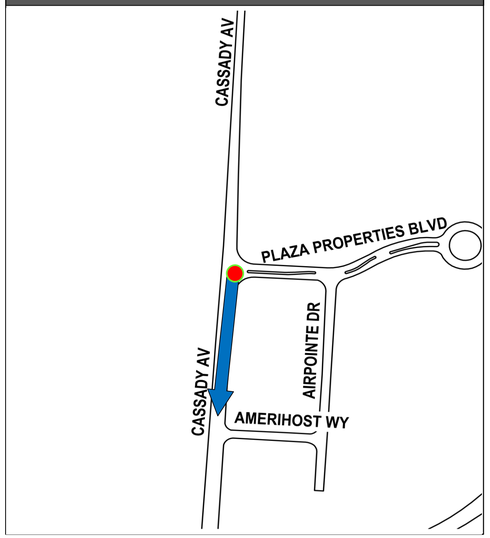
DOME, 288 FUSION SPLICE, AERIAL SPLICE ENCLOSURE

TO:
INT# 3203: AIRPORT DR.
AT CASSADY RD.
SEE SHEET 597

LEGEND

- FIBER PATCH CABLES T/R STANDARD
- FIBER PATCH CABLES R/T CROSSOVER
- EXISTING FIBER PATCH CABLES
- OUTDOOR CAT 5E CABLE
- INDOOR CAT 5E CABLE
- CAT 5E CABLE TO BE REMOVED
- TERMINATION PANEL UPC (Blue)/APC (Green)
- EXISTING/PROPOSED FIBER OR BUFFER TUBE LEFT COILED IN SPLICE ENCLOSURE
- FUSION SPLICE – 6 FIBERS/ SINGLE FIBER
- FUSION SPLICE – 12 FIBER BUFFER TUBE
- EXISTING FUSION SPLICE – 12 FIBER BUFFER TUBE
- INTERSECTION LOCATION
- GBIC OPTICAL TRANSCEIVER LH - SHORT HAUL LED ZX – LONG HAUL LASER
- SFP/COPPER/CAT5/5E/6 CONNECTOR
- COPPER/CAT5/5E/6 CONNECTOR
- 144 STRAND SMF
- 288 STRAND SMF
- WIRELESS ETHERNET RADIO

KEY PLAN



INTERSECTION 3301

REFER TO SHEET 214 FOR CONSTRUCTION PLAN DETAILS
REFER TO SHEET 471 FOR COMM OVERVIEW DETAILS

CIP: 540007 - 100012
PID NUMBER: 99733

INT# 3301: CASSADY RD. AT PLAZA PROPERTIES BLVD.
COMMUNICATIONS DIAGRAM

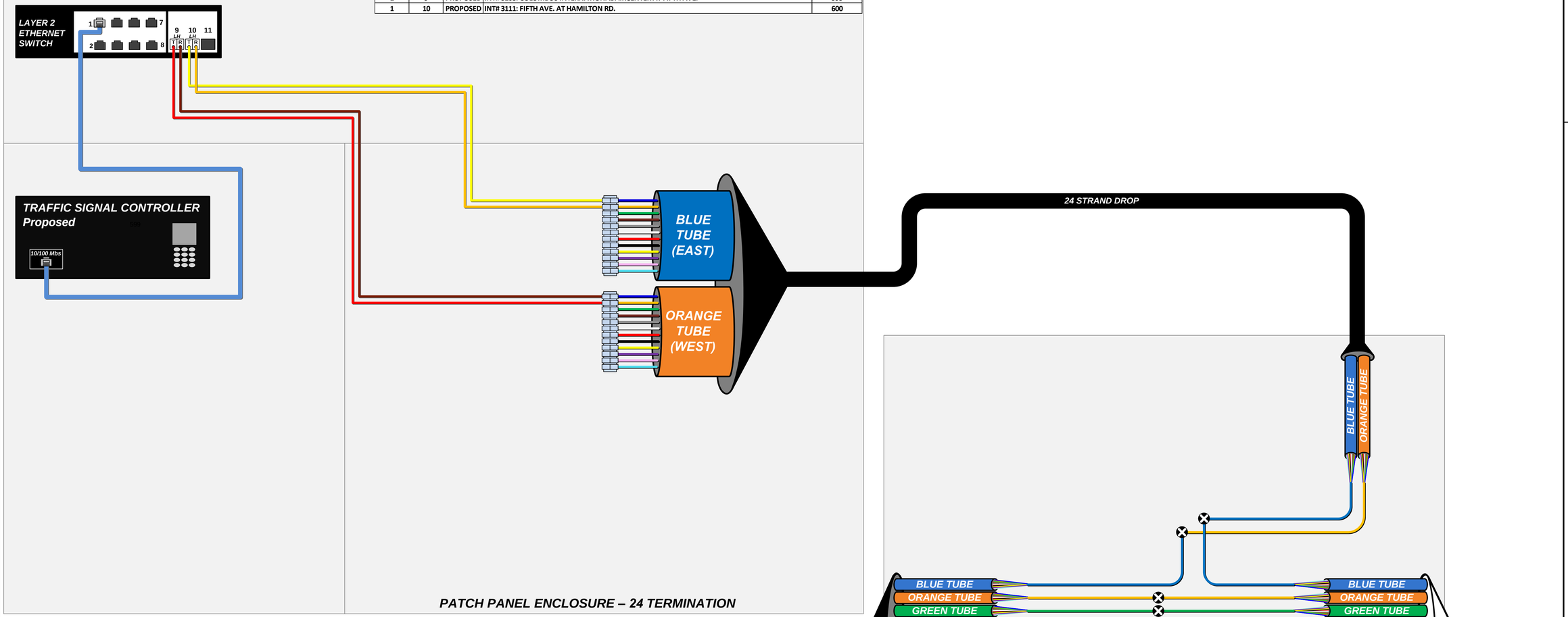
CITY OF COLUMBUS TRAFFIC SIGNAL SYSTEM
(CTSS) PHASE F – FINAL SUBMITTAL

598
768

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TRAFFIC SIGNAL CABINET ASSEMBLY

SWITCH	PORT	STATUS	DESTINATION	SHEET NO
1	9	PROPOSED	INT# 3108: COLUMBUS INTERNATIONAL AIRCENTER AT FIFTH AVE.	595
1	10	PROPOSED	INT# 3111: FIFTH AVE. AT HAMILTON RD.	600

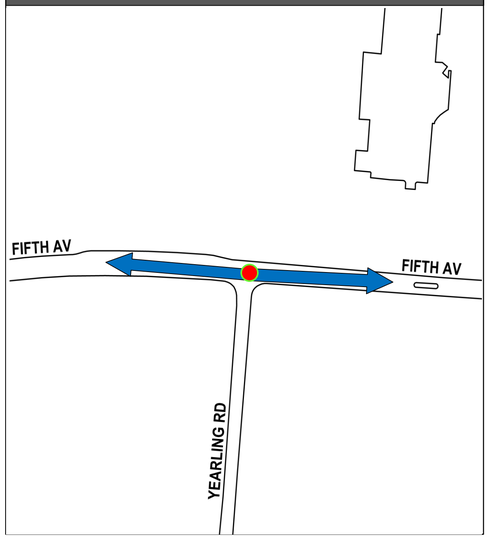


PATCH PANEL ENCLOSURE – 24 TERMINATION

LEGEND

- FIBER PATCH CABLES T/R STANDARD
- FIBER PATCH CABLES R/T CROSSOVER
- EXISTING FIBER PATCH CABLES
- OUTDOOR CAT 5E CABLE
- INDOOR CAT 5E CABLE
- CAT 5E CABLE TO BE REMOVED
- TERMINATION PANEL UPC (Blue)/APC (Green)
- EXISTING/PROPOSED FIBER OR BUFFER TUBE LEFT COILED IN SPLICE ENCLOSURE
- FUSION SPLICE – 6 FIBERS/ SINGLE FIBER
- FUSION SPLICE – 12 FIBER BUFFER TUBE
- EXISTING FUSION SPLICE – 12 FIBER BUFFER TUBE
- INTERSECTION LOCATION
- GBIC OPTICAL TRANSCEIVER LH - SHORT HAUL LED ZX – LONG HAUL LASER
- SFP/COPPER/CAT5/5E/6 CONNECTOR
- COPPER/CAT5/5E/6 CONNECTOR
- 144 STRAND SMF
- 288 STRAND SMF
- WIRELESS ETHERNET RADIO

KEY PLAN



INTERSECTION 3200

REFER TO SHEET 194 FOR CONSTRUCTION PLAN DETAILS
REFER TO SHEET 471 FOR COMM OVERVIEW DETAILS

CIP: 540007 - 100012
PID NUMBER: 99733

INT# 3200: FIFTH AVE. AT YEARLING RD.
COMMUNICATIONS DIAGRAM

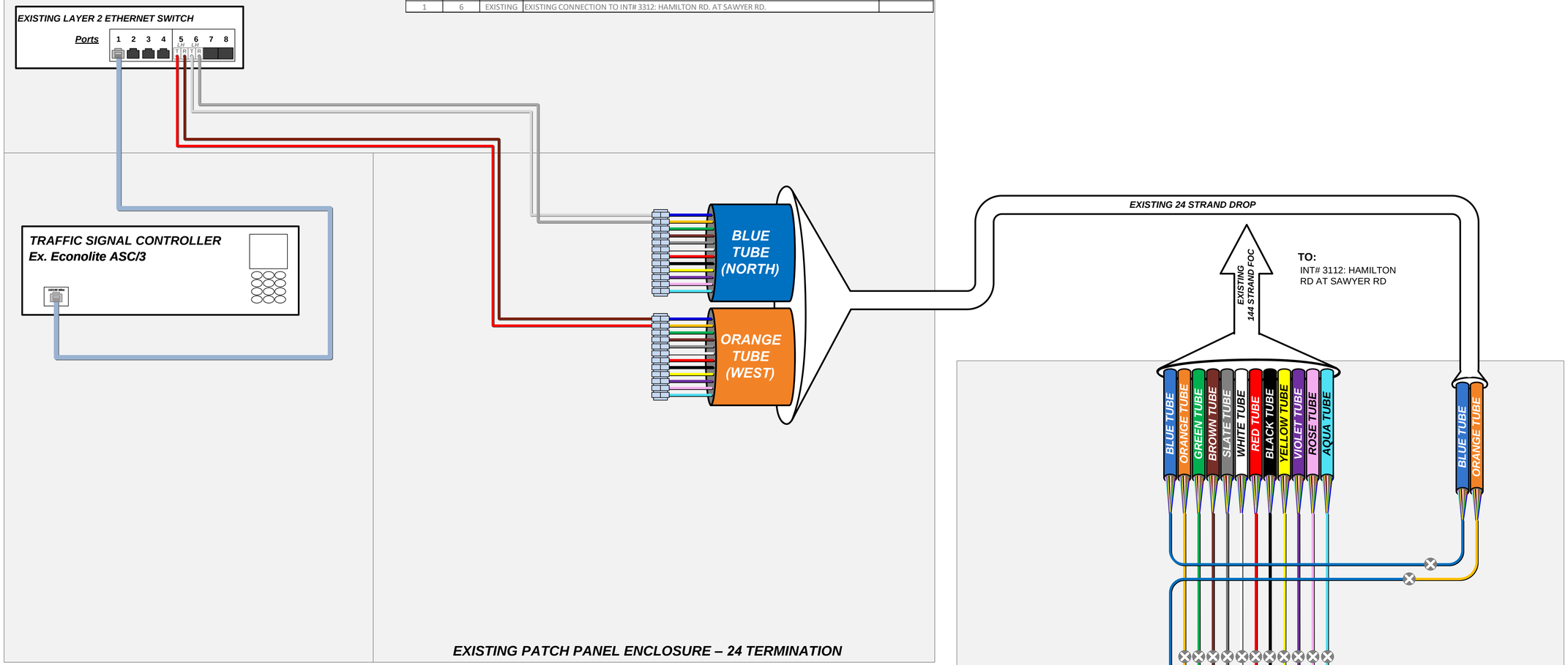
CITY OF COLUMBUS TRAFFIC SIGNAL SYSTEM
(CTSS) PHASE F – FINAL SUBMITTAL

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TRAFFIC SIGNAL CABINET ASSEMBLY

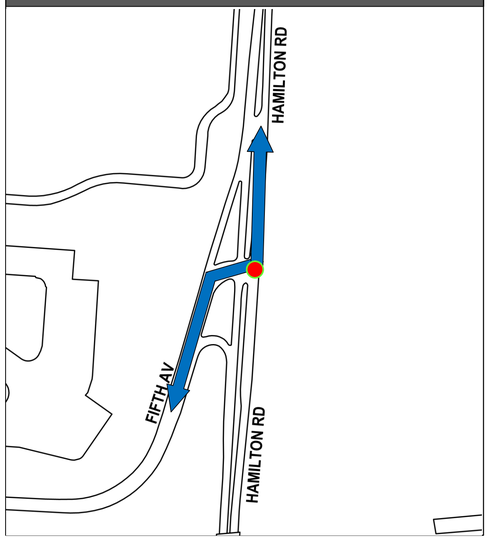
SWITCH	PORT	STATUS	DESTINATION	SHEET NO
1	5	PROPOSED	INT# 3200: FIFTH AVE. AT YEARLING RD.	599
1	6	EXISTING	EXISTING CONNECTION TO INT# 3312: HAMILTON RD. AT SAWYER RD.	



LEGEND

- FIBER PATCH CABLES T/R STANDARD
- FIBER PATCH CABLES R/T CROSSOVER
- EXISTING FIBER PATCH CABLES
- OUTDOOR CAT 5E CABLE
- INDOOR CAT 5E CABLE
- CAT 5E CABLE TO BE REMOVED
- TERMINATION PANEL UPC (Blue)/APC (Green)
- EXISTING/PROPOSED FIBER OR BUFFER TUBE LEFT COILED IN SPLICE ENCLOSURE
- FUSION SPLICE – 6 FIBERS/ SINGLE FIBER
- FUSION SPLICE – 12 FIBER BUFFER TUBE
- EXISTING FUSION SPLICE – 12 FIBER BUFFER TUBE
- INTERSECTION LOCATION
- GBIC OPTICAL TRANSCEIVER LH - SHORT HAUL LED ZX – LONG HAUL LASER
- SFP/COPPER/CAT5/5E/6 CONNECTOR
- COPPER/CAT5/5E/6 CONNECTOR
- 144 STRAND SMF
- 288 STRAND SMF
- WIRELESS ETHERNET RADIO

KEY PLAN



INTERSECTION 3111

REFER TO SHEET 471 FOR COMM OVERVIEW DETAILS

CIP: 540007 - 100012
PID NUMBER: 99733

INT# 3111: FIFTH AVE. AT HAMILTON RD.
COMMUNICATIONS DIAGRAM

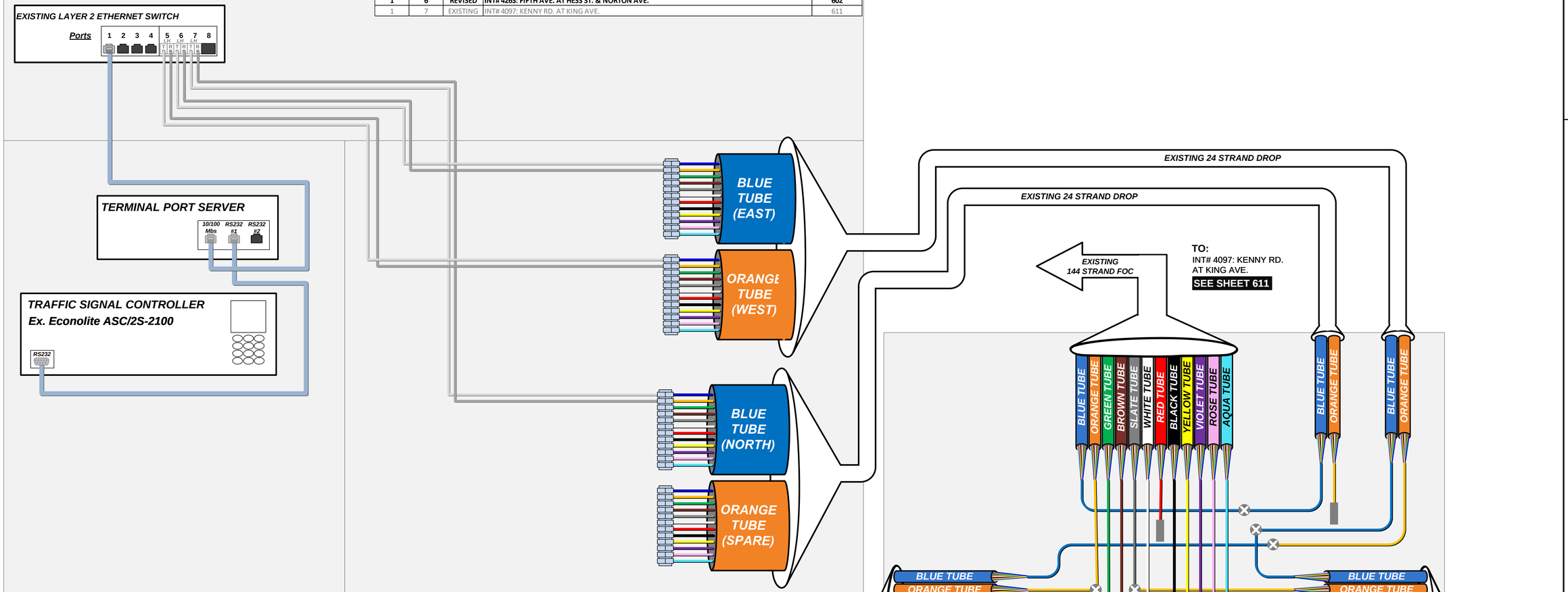
CITY OF COLUMBUS TRAFFIC SIGNAL SYSTEM
(CTSS) PHASE F – FINAL SUBMITTAL

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TRAFFIC SIGNAL CABINET ASSEMBLY

SWITCH	PORT	STATUS	DESTINATION	SHEET NO
1	5	EXISTING	EXISTING CONNECTION TO INT# 4089: FIFTH AVE. AT NORTHWEST BLVD.	
1	**6**	**REVISED**	**INT# 4263: FIFTH AVE. AT HESS ST. & NORTON AVE.**	**602**
1	7	EXISTING	INT# 4097: KENNY RD. AT KING AVE.	611



LEGEND

- FIBER PATCH CABLES T/R STANDARD
- FIBER PATCH CABLES R/T CROSSOVER
- EXISTING FIBER PATCH CABLES
- OUTDOOR CAT 5E CABLE
- INDOOR CAT 5E CABLE
- CAT 5E CABLE TO BE REMOVED
- TERMINATION PANEL UPC (Blue)/APC (Green)
- EXISTING/PROPOSED FIBER OR BUFFER TUBE LEFT COILED IN SPLICE ENCLOSURE
- FUSION SPLICE – 6 FIBERS/ SINGLE FIBER
- FUSION SPLICE – 12 FIBER BUFFER TUBE
- EXISTING FUSION SPLICE – 12 FIBER BUFFER TUBE
- INTERSECTION LOCATION
- GBIC OPTICAL TRANSCEIVER LH - SHORT HAUL LED ZX – LONG HAUL LASER
- SFP/COPPER/CAT5/5E/6 CONNECTOR
- COPPER/CAT5/5E/6 CONNECTOR
- 144 STRAND SMF
- 288 STRAND SMF
- WIRELESS ETHERNET RADIO

KEY PLAN



NOTE:
NO PROPOSED WORK SHOWN ON THIS SHEET. SHEET SHOWN FOR REVISED PORT DESTINATION

INTERSECTION 4088

REFER TO SHEET 472 FOR COMM OVERVIEW DETAILS

CIP: 540007 - 100012
PID NUMBER: 99733

INT# 4088: FIFTH AVE. AT KENNY RD.
COMMUNICATIONS DIAGRAM

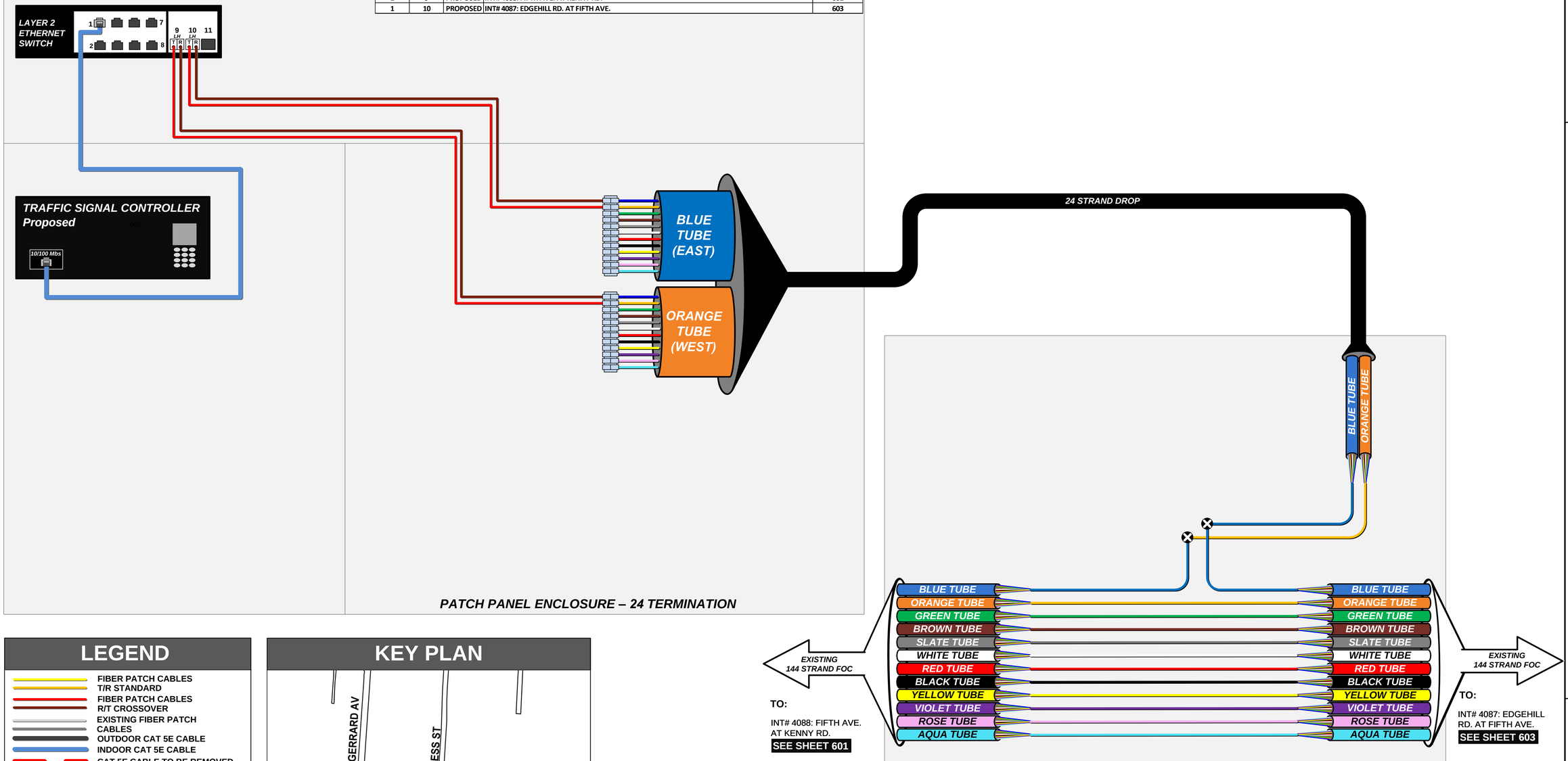
CITY OF COLUMBUS TRAFFIC SIGNAL SYSTEM
(CTSS) PHASE F – FINAL SUBMITTAL

601
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TRAFFIC SIGNAL CABINET ASSEMBLY

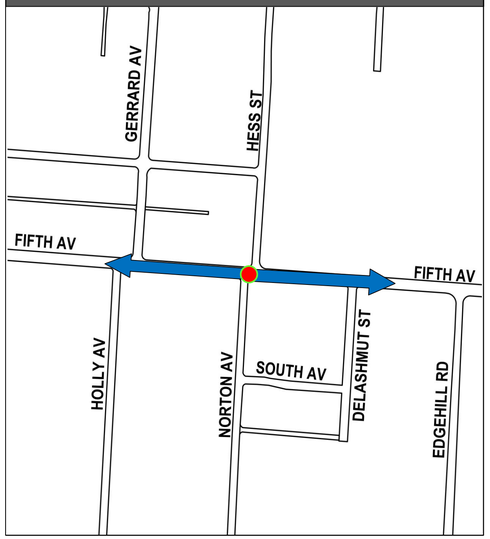
SWITCH	PORT	STATUS	DESTINATION	SHEET NO
1	9	PROPOSED	INT# 4088: FIFTH AVE. AT KENNY RD.	601
1	10	PROPOSED	INT# 4087: EDGEHILL RD. AT FIFTH AVE.	603



LEGEND

- FIBER PATCH CABLES T/R STANDARD
- FIBER PATCH CABLES R/T CROSSOVER
- EXISTING FIBER PATCH CABLES
- OUTDOOR CAT 5E CABLE
- INDOOR CAT 5E CABLE
- CAT 5E CABLE TO BE REMOVED
- TERMINATION PANEL UPC (Blue)/APC (Green)
- EXISTING/PROPOSED FIBER OR BUFFER TUBE LEFT COILED IN SPLICE ENCLOSURE
- FUSION SPLICE – 6 FIBERS/ SINGLE FIBER
- FUSION SPLICE – 12 FIBER BUFFER TUBE
- EXISTING FUSION SPLICE – 12 FIBER BUFFER TUBE
- INTERSECTION LOCATION
- GBIC OPTICAL TRANSCEIVER LH - SHORT HAUL LED ZX – LONG HAUL LASER
- SFP/COPPER/CAT5/5E/6 CONNECTOR
- COPPER/CAT5/5E/6 CONNECTOR
- 144 STRAND SMF
- 288 STRAND SMF
- WIRELESS ETHERNET RADIO

KEY PLAN



INTERSECTION 4263

REFER TO SHEET 196 FOR CONSTRUCTION PLAN DETAILS
REFER TO SHEET 472 FOR COMM OVERVIEW DETAILS

CIP: 540007 - 100012
PID NUMBER: 99733

INT# 4263: FIFTH AVE. AT HESS ST. & NORTON AVE.
COMMUNICATIONS DIAGRAM

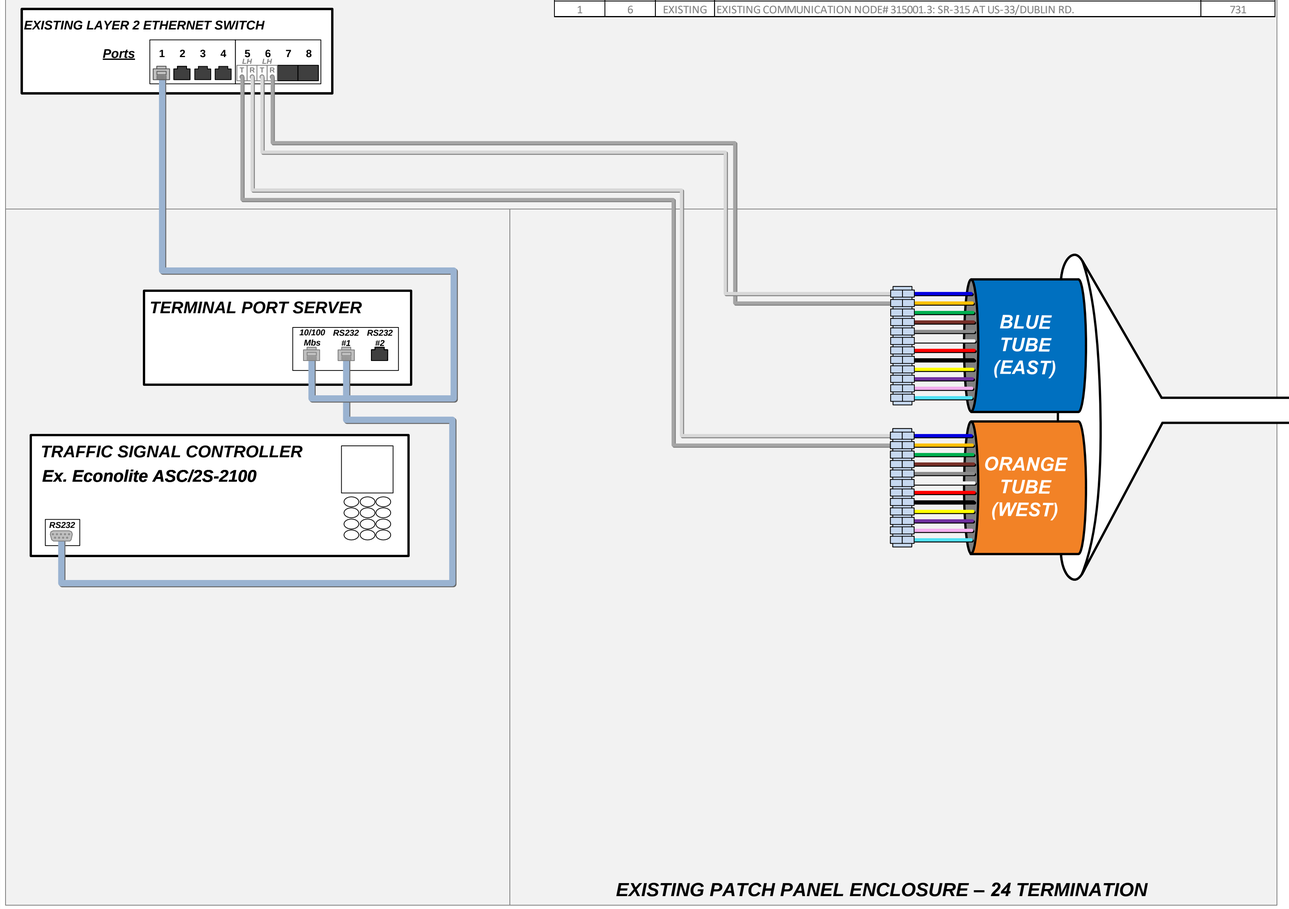
CITY OF COLUMBUS TRAFFIC SIGNAL SYSTEM
(CTSS) PHASE F – FINAL SUBMITTAL

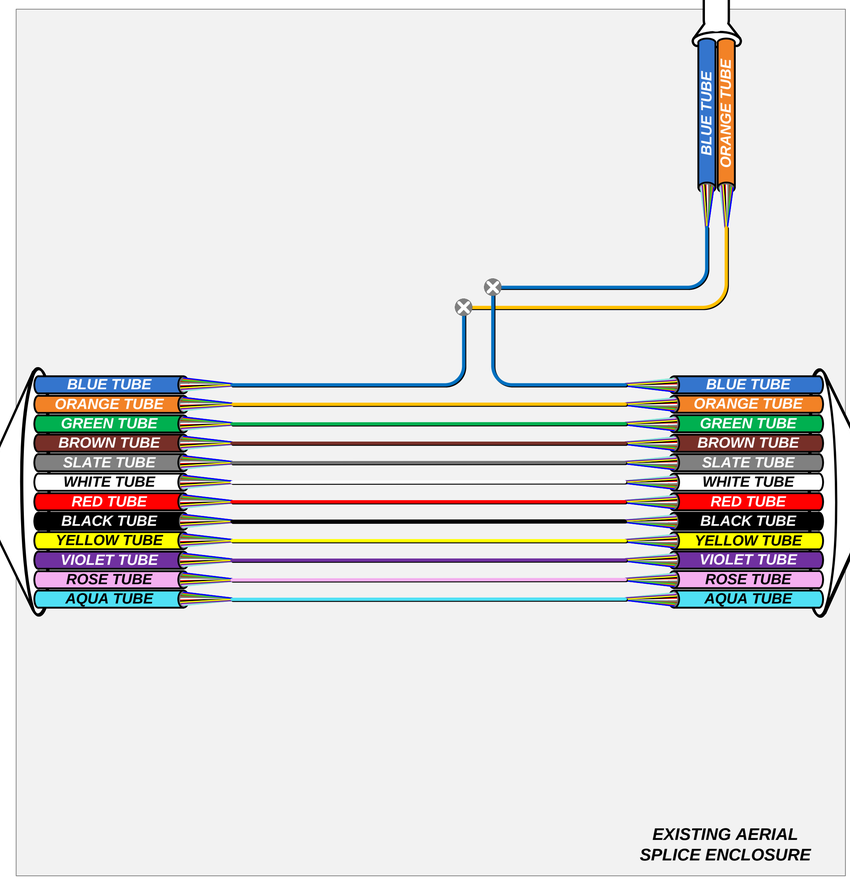
602
768

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TRAFFIC SIGNAL CABINET ASSEMBLY

SWITCH	PORT	STATUS	DESTINATION	SHEET NO
1	5	REVISED	INT# 4263: FIFTH AVE. AT HESS ST. & NORTON AVE.	602
1	6	EXISTING	EXISTING COMMUNICATION NODE# 315001.3: SR-315 AT US-33/DUBLIN RD.	731

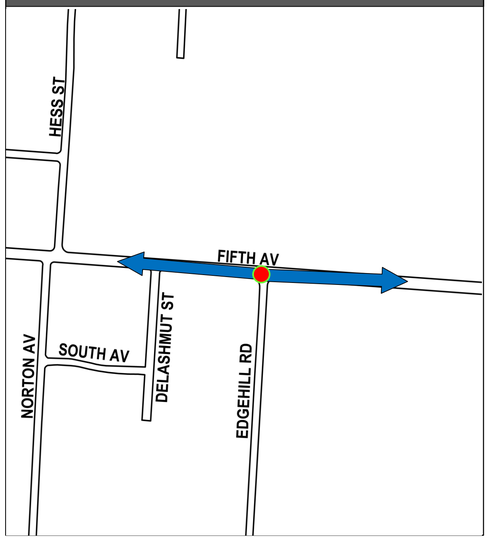




LEGEND

- FIBER PATCH CABLES T/R STANDARD
- FIBER PATCH CABLES R/T CROSSOVER
- EXISTING FIBER PATCH CABLES
- OUTDOOR CAT 5E CABLE
- INDOOR CAT 5E CABLE
- CAT 5E CABLE TO BE REMOVED
- TERMINATION PANEL UPC (Blue)/APC (Green)
- EXISTING/PROPOSED FIBER OR BUFFER TUBE LEFT COILED IN SPLICE ENCLOSURE
- FUSION SPLICE – 6 FIBERS/ SINGLE FIBER
- FUSION SPLICE – 12 FIBER BUFFER TUBE
- EXISTING FUSION SPLICE – 12 FIBER BUFFER TUBE
- INTERSECTION LOCATION
- GBIC OPTICAL TRANSCEIVER LH - SHORT HAUL LED ZX – LONG HAUL LASER
- SFP/COPPER/CAT5/5E/6 CONNECTOR
- COPPER/CAT5/5E/6 CONNECTOR
- 144 STRAND SMF
- 288 STRAND SMF
- WIRELESS ETHERNET RADIO

KEY PLAN



NOTE:
NO PROPOSED WORK SHOWN ON THIS SHEET. SHEET SHOWN FOR REVISED PORT DESTINATION

INTERSECTION 4087

REFER TO SHEET 472 FOR COMM OVERVIEW DETAILS

CIP: 540007 - 100012
PID NUMBER: 99733

INT# 4087: EDGEHILL RD. AT FIFTH AVE.
COMMUNICATIONS DIAGRAM

CITY OF COLUMBUS TRAFFIC SIGNAL SYSTEM
(CTSS) PHASE F – FINAL SUBMITTAL

603
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TRAFFIC SIGNAL CABINET ASSEMBLY

SWITCH	PORT	STATUS	DESTINATION	SHEET NO
1	9	PROPOSED	INT# 4261: THIRD AVE. AT YARD ST.	605

LAYER 2 ETHERNET SWITCH (POE)

ETHERNET CABLE

PROPOSED CCTV

TRAFFIC SIGNAL CONTROLLER
Proposed
10/100 Mbs

BLUE TUBE (EAST)

ORANGE TUBE (SPARE)

24 STRAND DROP

PATCH PANEL ENCLOSURE – 24 TERMINATION

BLUE TUBE
ORANGE TUBE

BLUE TUBE
ORANGE TUBE
GREEN TUBE
BROWN TUBE
SLATE TUBE
WHITE TUBE
RED TUBE
BLACK TUBE
YELLOW TUBE
VIOLET TUBE
ROSE TUBE
AQUA TUBE

144 STRAND FOC

TO:
INT# 4261: THIRD AVE. AT YARD ST.
SEE SHEET 605

2 Cable Entries
12 Proposed Fusion Splices
12 Coiled Buffer Tubes

DOME, 288 FUSION SPLICE, UNDERGROUND SPLICE ENCLOSURE

LEGEND

- FIBER PATCH CABLES T/R STANDARD
- FIBER PATCH CABLES R/T CROSSOVER
- EXISTING FIBER PATCH CABLES
- OUTDOOR CAT 5E CABLE
- INDOOR CAT 5E CABLE
- CAT 5E CABLE TO BE REMOVED
- TERMINATION PANEL UPC (Blue)/APC (Green)
- EXISTING/PROPOSED FIBER OR BUFFER TUBE LEFT COILED IN SPLICE ENCLOSURE
- FUSION SPLICE – 6 FIBERS/ SINGLE FIBER
- FUSION SPLICE – 12 FIBER BUFFER TUBE
- EXISTING FUSION SPLICE – 12 FIBER BUFFER TUBE
- INTERSECTION LOCATION
- GBIC OPTICAL TRANSCEIVER LH - SHORT HAUL LED ZX – LONG HAUL LASER
- SFP/COPPER/CAT5/5E/6 CONNECTOR
- COPPER/CAT5/5E/6 CONNECTOR
- 144 STRAND SMF
- 288 STRAND SMF
- WIRELESS ETHERNET RADIO

KEY PLAN



INTERSECTION 4119
REFER TO SHEET 275 FOR CONSTRUCTION PLAN DETAILS
REFER TO SHEET 472 FOR COMM OVERVIEW DETAILS

CIP: 540007 - 100012
PID NUMBER: 99733

INT# 4119: EDGEHILL RD. AT THIRD AVE.
COMMUNICATIONS DIAGRAM

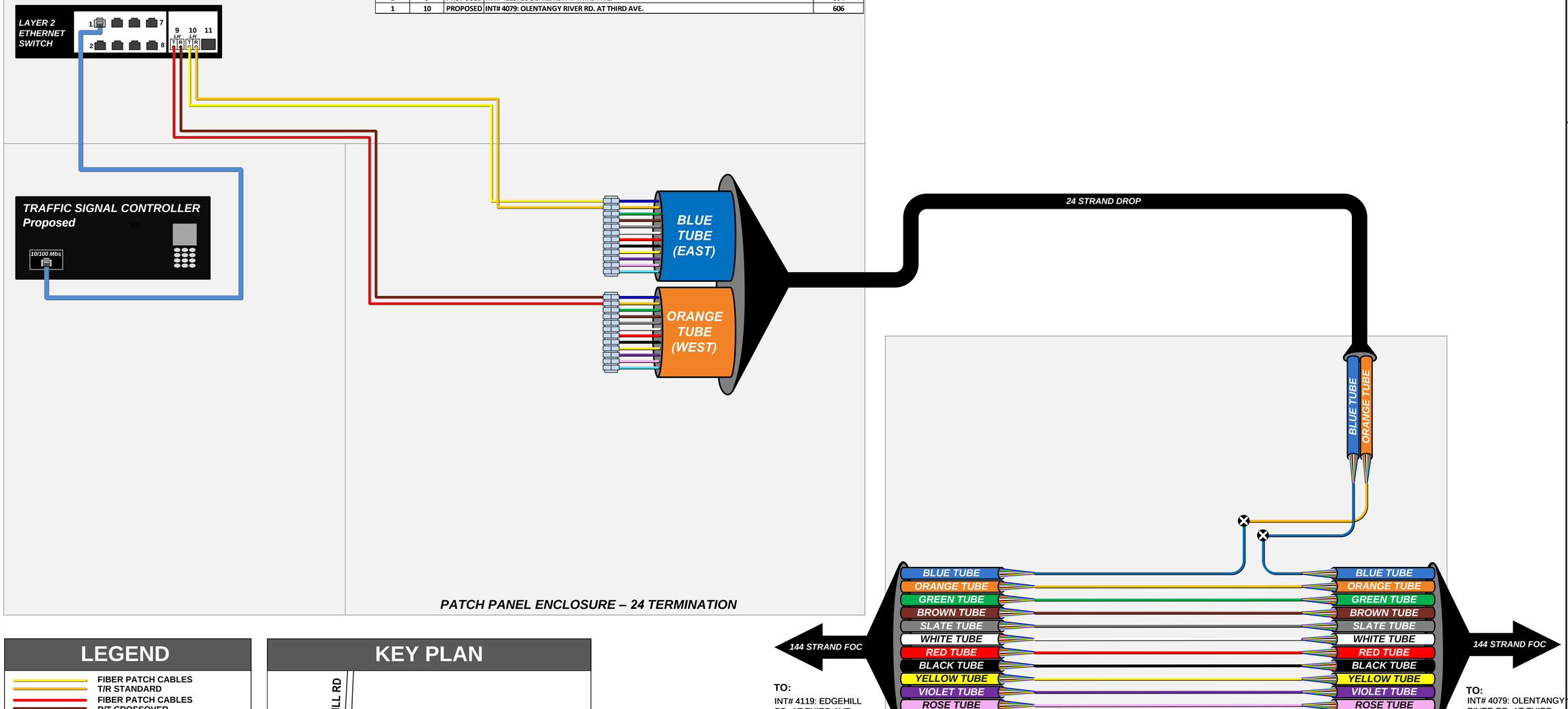
CITY OF COLUMBUS TRAFFIC SIGNAL SYSTEM
(CTSS) PHASE F – FINAL SUBMITTAL

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TRAFFIC SIGNAL CABINET ASSEMBLY

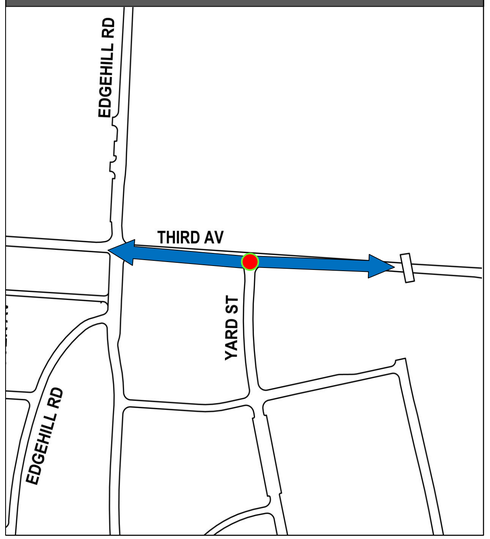
SWITCH	PORT	STATUS	DESTINATION	SHEET NO
1	9	PROPOSED	INT# 4119: EDGEHILL RD. AT THIRD AVE.	604
1	10	PROPOSED	INT# 4079: OLENTANGY RIVER RD. AT THIRD AVE.	606



LEGEND

- FIBER PATCH CABLES T/R STANDARD
- FIBER PATCH CABLES R/T CROSSOVER
- EXISTING FIBER PATCH CABLES
- OUTDOOR CAT 5E CABLE
- INDOOR CAT 5E CABLE
- CAT 5E CABLE TO BE REMOVED
- TERMINATION PANEL UPC (Blue)/APC (Green)
- EXISTING/PROPOSED FIBER OR BUFFER TUBE LEFT COILED IN SPLICE ENCLOSURE
- FUSION SPLICE – 6 FIBERS/ SINGLE FIBER
- FUSION SPLICE – 12 FIBER BUFFER TUBE
- EXISTING FUSION SPLICE – 12 FIBER BUFFER TUBE
- INTERSECTION LOCATION
- GBIC OPTICAL TRANSCEIVER LH - SHORT HAUL LED ZX – LONG HAUL LASER
- SFP/COPPER/CAT5/5E/6 CONNECTOR
- COPPER/CAT5/5E/6 CONNECTOR
- 144 STRAND SMF
- 288 STRAND SMF
- WIRELESS ETHERNET RADIO

KEY PLAN



INTERSECTION 4261

REFER TO SHEET 275 FOR CONSTRUCTION PLAN DETAILS
REFER TO SHEET 472 FOR COMM OVERVIEW DETAILS

CIP: 540007 - 100012
PID NUMBER: 99733

INT# 4261: THIRD AVE. AT YARD ST.
COMMUNICATIONS DIAGRAM

CITY OF COLUMBUS TRAFFIC SIGNAL SYSTEM
(CTSS) PHASE F – FINAL SUBMITTAL

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TRAFFIC SIGNAL CABINET ASSEMBLY

SWITCH	PORT	STATUS	DESTINATION	SHEET NO
1	5	EXISTING	EXISTING CONNECTION TO INT# 4254: OLENTANGY RIVER RD. AT TIME WARNER DR. / GOWDY FIELD DR	
1	6	EXISTING	INT# 4086: FIFTH AVE. AT OLENTANGY RIVER RD. PATCH PANEL	684
1	**7**	**PROPOSED**	**INT# 4261: THIRD AVE. AT YARD ST.**	**605**

EXISTING LAYER 2 ETHERNET SWITCH

Ports 1 2 3 4 5 6 7 8

TRAFFIC SIGNAL CONTROLLER
Ex. Econolite ASC/3

EXISTING COMPOSITE CCTV CABLE

EXISTING CCTV

EXISTING PATCH PANEL ENCLOSURE – 24 TERMINATION

BLUE TUBE (NORTH)
ORANGE TUBE (SOUTH)
BLUE TUBE (SPARE)
ORANGE TUBE (WEST)

5

EXISTING CCTV CABINET
EXISTING CCTV FIELD BOX
VIDEO/PTZ IP DATA
CCTV/HEATER POWER
10/100 Mbs
ANALOG VIDEO

PATCH PANEL ENCLOSURE – 24 TERMINATION

EXISTING 24 STRAND DROP

24 STRAND DROP

EXISTING 144 STRAND FOC

TO:
INT# 4086: FIFTH AVE. AT OLENTANGY RIVER RD. PATCH PANEL
SEE SHEET 684

144 STRAND FOC

TO:
INT# 4261: THIRD AVE. AT YARD ST.
SEE SHEET 605

BLUE TUBE
ORANGE TUBE
GREEN TUBE
BROWN TUBE
SLATE TUBE
WHITE TUBE
RED TUBE
BLACK TUBE
YELLOW TUBE
VIOLET TUBE
ROSE TUBE
AQUA TUBE

288SMF CABLE WEST THIRD AVE

TO:
LIU-1 IN EXISTING DoT PEDESTAL ON 3RD AVE.

5 Cable Entries
84 Proposed Fusion Splices
252 Total Fusion Splices
12 Coiled Buffer Tubes
5 Buffer Tubes Passed Through Unspliced

DOME, 800 FUSION SPLICE, UNDERGROUND SPLICE ENCLOSURE

EXISTING 144 STRAND FOC

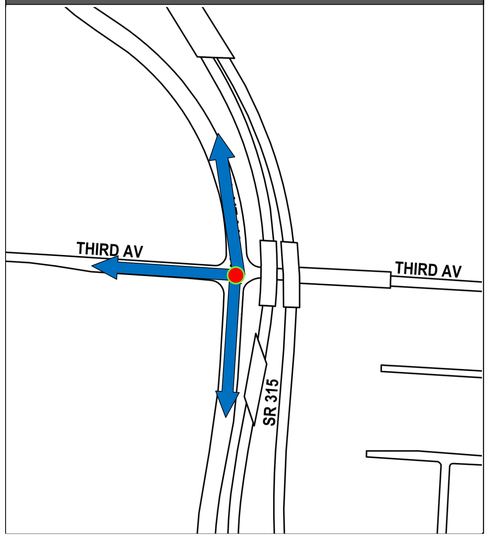
TO:
INT# 4254: OLENTANGY RIVER RD. AT TIME WARNER DR. / GOWDY FIELD DR.

5 DRAFT REVISION 5.0

LEGEND

- FIBER PATCH CABLES T/R STANDARD
- FIBER PATCH CABLES R/T CROSSOVER
- EXISTING FIBER PATCH CABLES
- OUTDOOR CAT 5E CABLE
- INDOOR CAT 5E CABLE
- CAT 5E CABLE TO BE REMOVED
- TERMINATION PANEL UPC (Blue)/APC (Green)
- EXISTING/PROPOSED FIBER OR BUFFER TUBE LEFT COILED IN SPLICE ENCLOSURE
- FUSION SPLICE – 6 FIBERS/ SINGLE FIBER
- FUSION SPLICE – 12 FIBER BUFFER TUBE
- EXISTING FUSION SPLICE – 12 FIBER BUFFER TUBE
- INTERSECTION LOCATION
- GBIC OPTICAL TRANSCEIVER LH - SHORT HAUL LED ZX – LONG HAUL LASER
- SFP/COPPER/CAT5/5E/6 CONNECTOR
- COPPER/CAT5/5E/6 CONNECTOR
- 144 STRAND SMF
- 288 STRAND SMF
- WIRELESS ETHERNET RADIO

KEY PLAN



INTERSECTION 4079
REFER TO SHEET 276 FOR CONSTRUCTION PLAN DETAILS
REFER TO SHEET 472 FOR COMM OVERVIEW DETAILS

CIP: 540007 - 100012
PID NUMBER: 99733

INT# 4079: OLENTANGY RIVER RD. AT THIRD AVE.
COMMUNICATIONS DIAGRAM

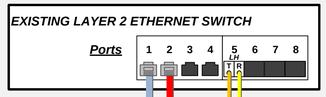
CITY OF COLUMBUS TRAFFIC SIGNAL SYSTEM
(CTSS) PHASE F – FINAL SUBMITTAL

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768

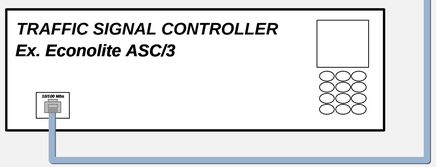
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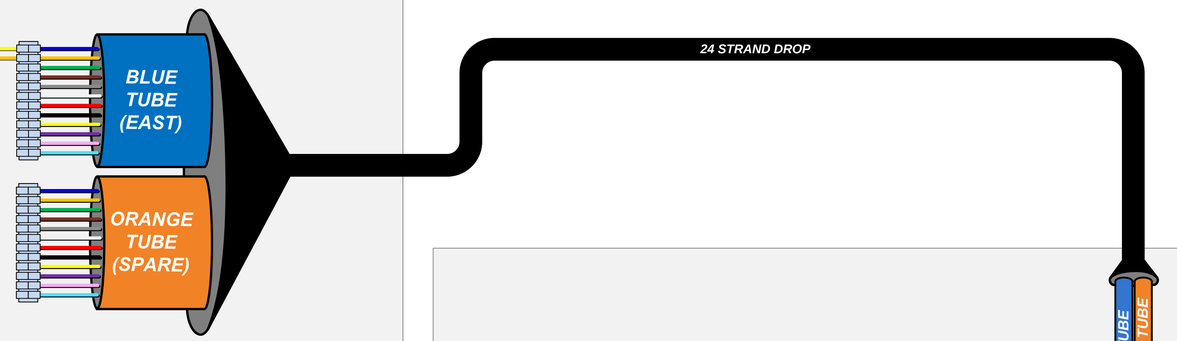
TRAFFIC SIGNAL CABINET ASSEMBLY

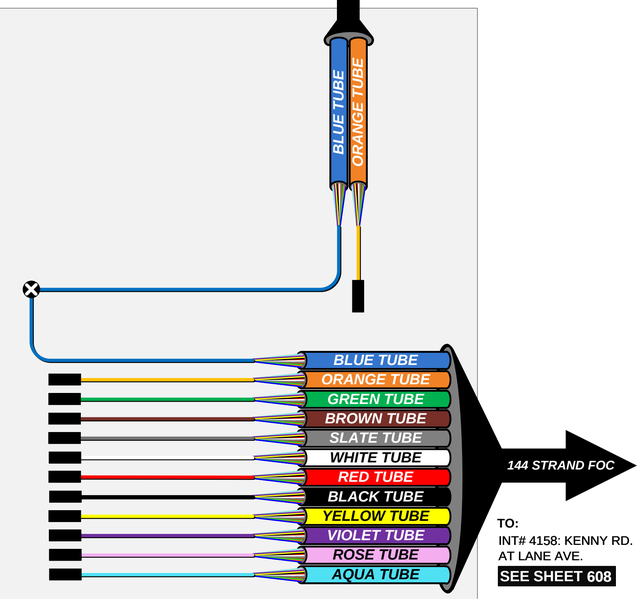
SWITCH	PORT	STATUS	DESTINATION	SHEET NO
1	9	PROPOSED	INT# 4158: KENNY RD. AT LANE AVE.	608



EXISTING WIRELESS LINK TO:
(TO BE REMOVED)
INT# 4158: KENNY RD.
AT LANE AVE.
SEE SHEET 608







TO:
INT# 4158: KENNY RD.
AT LANE AVE.
SEE SHEET 608

2 Cable Entries
12 Proposed Fusion Splices
12 Coiled Buffer Tubes

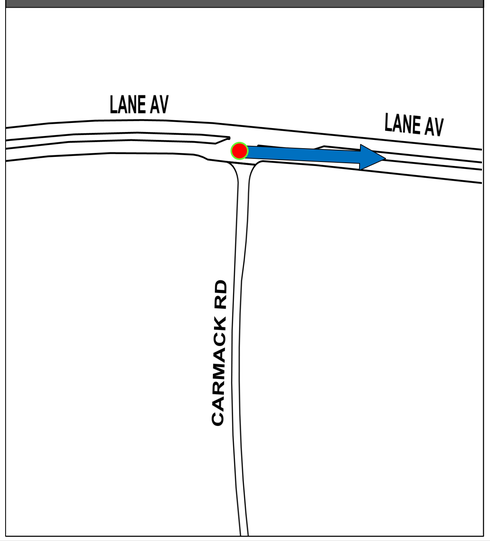
DOME, 288 FUSION SPLICE, UNDERGROUND SPLICE ENCLOSURE

PATCH PANEL ENCLOSURE – 24 TERMINATION

LEGEND

- FIBER PATCH CABLES T/R STANDARD
- FIBER PATCH CABLES R/T CROSSOVER
- EXISTING FIBER PATCH CABLES
- OUTDOOR CAT 5E CABLE
- INDOOR CAT 5E CABLE
- CAT 5E CABLE TO BE REMOVED
- TERMINATION PANEL UPC (Blue)/APC (Green)
- EXISTING/PROPOSED FIBER OR BUFFER TUBE LEFT COILED IN SPLICE ENCLOSURE
- FUSION SPLICE – 6 FIBERS/ SINGLE FIBER
- FUSION SPLICE – 12 FIBER BUFFER TUBE
- EXISTING FUSION SPLICE – 12 FIBER BUFFER TUBE
- INTERSECTION LOCATION
- LH ZX GBIC OPTICAL TRANSCEIVER LH - SHORT HAUL LED ZX – LONG HAUL LASER
- SFP/COPPER/CAT5/5E/6 CONNECTOR
- COPPER/CAT5/5E/6 CONNECTOR
- 144 STRAND SMF
- 288 STRAND SMF
- WIRELESS ETHERNET RADIO

KEY PLAN



NOTE:
REMOVE EXISTING WIRELESS TO INT# 3075: BROAD ST AT JAMES RD

INTERSECTION 4270

REFER TO SHEET 264 FOR CONSTRUCTION PLAN DETAILS
REFER TO SHEET 473 FOR COMM OVERVIEW DETAILS

CIP: 540007 - 100012
PID NUMBER: 99733

INT# 4270: CARMACK RD. AT LANE AVE.
COMMUNICATIONS DIAGRAM

CITY OF COLUMBUS TRAFFIC SIGNAL SYSTEM
(CTSS) PHASE F – FINAL SUBMITTAL

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TRAFFIC SIGNAL CABINET ASSEMBLY

SWITCH	PORT	STATUS	DESTINATION	SHEET NO
1	5	EXISTING	EXISTING CONNECTION TO INT# 4157: WOODY HAYES DR. AT KENNY RD.	
1	6	EXISTING	EXISTING CONNECTION TO INT# 4159: LANE AVE. AT SR-315 SB RAMPS	
1	**7**	**PROPOSED**	**INT# 4270: CARMACK RD. AT LANE AVE.**	**607**

EXISTING LAYER 2 ETHERNET SWITCH

Ports 1 2 3 4 5 6 7 8 (LH, LH, LH)

EXISTING COMPOSITE CCTV CABLE

EXISTING CCTV

EXISTING WIRELESS LINK TO:
(TO BE REMOVED)
INT# 4270: CARMACK RD. AT LANE AVE.
SEE SHEET 607

TRAFFIC SIGNAL CONTROLLER
ASC/3

EXISTING PoE INJECTOR

EXISTING PATCH PANEL ENCLOSURE – 24 TERMINATION

BLUE TUBE (EAST)

ORANGE TUBE (WEST)

BLUE TUBE (SPARE)

ORANGE TUBE (SOUTH)

TEMPORARY LINK – PATCH TO BE REMOVED BY CITY AFTER FCEO SIGNAL COMMUNICATIONS MIGRATION TO WHITE BUFFER TUBE

8

PATCH PANEL ENCLOSURE – 24 TERMINATION

EXISTING 24 STRAND DROP

24 STRAND DROP

BLUE TUBE / ORANGE TUBE

BLUE TUBE / ORANGE TUBE

8

144 STRAND FOC

BLUE TUBE
ORANGE TUBE
GREEN TUBE
BROWN TUBE
SLATE TUBE
WHITE TUBE
RED TUBE
BLACK TUBE
YELLOW TUBE
VIOLET TUBE
ROSE TUBE
AQUA TUBE

TO:
INT# 4270: CARMACK RD. AT LANE AVE.
SEE SHEET 607

EXISTING 144 STRAND FOC

TO:
INT# 4159: LANE AVE AT SR-315 SB RAMPS

5 Cable Entries
24 Proposed Fusion Splices
12 Coiled Buffer Tubes
11 Buffer Tubes Passed Through Unspliced

8

BLUE TUBE
ORANGE TUBE
GREEN TUBE
BROWN TUBE
SLATE TUBE
WHITE TUBE
RED TUBE
BLACK TUBE
YELLOW TUBE
VIOLET TUBE
ROSE TUBE
AQUA TUBE

DOME, 800 FUSION SPLICE, AERIAL SPLICE ENCLOSURE

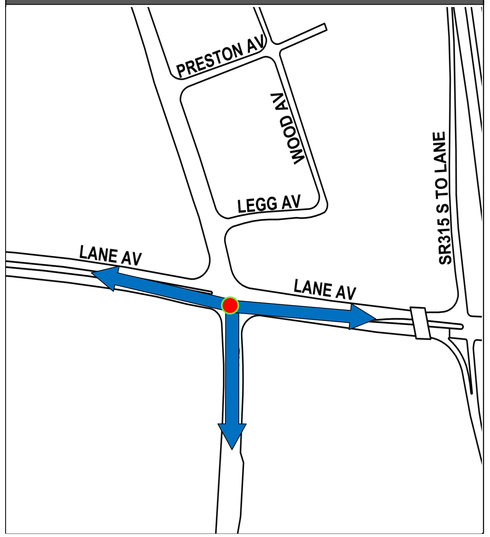
EXISTING 144 STRAND FOC

TO:
INT# 4157: KENNY RD AT WOODY HAYES DR

LEGEND

- FIBER PATCH CABLES T/R STANDARD
- FIBER PATCH CABLES R/T CROSSOVER
- EXISTING FIBER PATCH CABLES
- OUTDOOR CAT 5E CABLE
- INDOOR CAT 5E CABLE
- CAT 5E CABLE TO BE REMOVED
- TERMINATION PANEL UPC (Blue)/APC (Green)
- EXISTING/PROPOSED FIBER OR BUFFER TUBE LEFT COILED IN SPLICE ENCLOSURE
- FUSION SPLICE – 6 FIBERS/ SINGLE FIBER
- FUSION SPLICE – 12 FIBER BUFFER TUBE
- EXISTING FUSION SPLICE – 12 FIBER BUFFER TUBE
- INTERSECTION LOCATION
- GBIC OPTICAL TRANSCEIVER LH - SHORT HAUL LED ZX – LONG HAUL LASER
- SFP/COPPER/CAT5/5E/6 CONNECTOR
- COPPER/CAT5/5E/6 CONNECTOR
- 144 STRAND SMF
- 288 STRAND SMF
- WIRELESS ETHERNET RADIO

KEY PLAN



NOTE:
REMOVE EXISTING WIRELESS TO INT# 3075: BROAD ST AT JAMES RD

8 DRAFT REVISION 8.0

INTERSECTION 4158

REFER TO SHEET 265 FOR CONSTRUCTION PLAN DETAILS
REFER TO SHEET 473 FOR COMM OVERVIEW DETAILS

CIP: 540007 - 100012
PID NUMBER: 99733

INT# 4158: KENNY RD. AT LANE AVE.
COMMUNICATIONS DIAGRAM

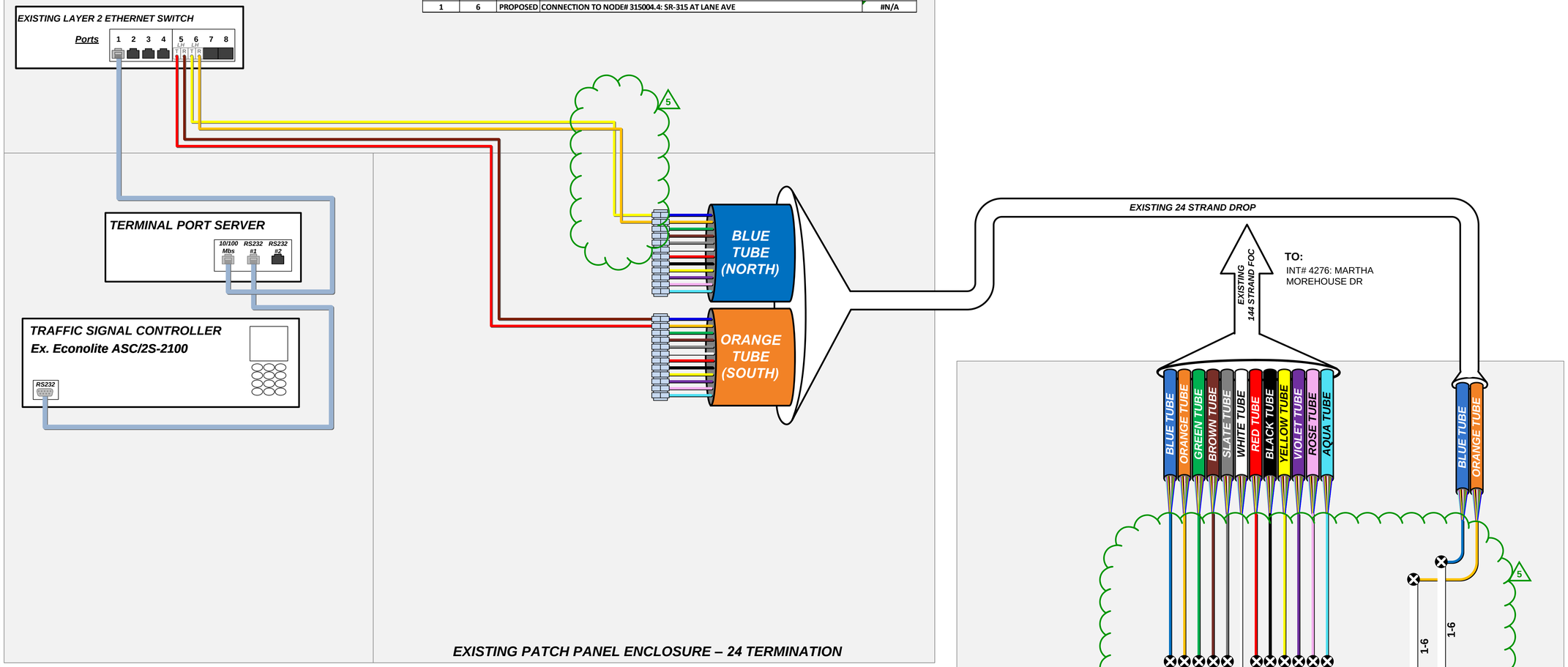
CITY OF COLUMBUS TRAFFIC SIGNAL SYSTEM
(CTSS) PHASE F – FINAL SUBMITTAL

608
768

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TRAFFIC SIGNAL CABINET ASSEMBLY

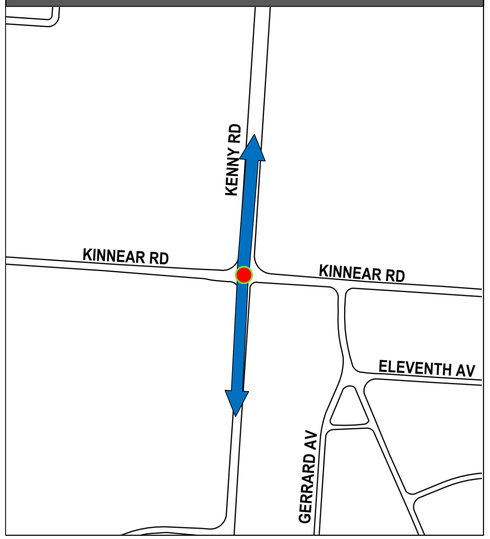
SWITCH	PORT	STATUS	DESTINATION	SHEET NO
1	5	PROPOSED	INT# SIG4045: CHAMBERS RD. AT KENNY RD.	610
1	6	PROPOSED	CONNECTION TO NODE# 315004.4: SR-315 AT LANE AVE	#N/A



LEGEND

- FIBER PATCH CABLES T/R STANDARD
- FIBER PATCH CABLES R/T CROSSOVER
- EXISTING FIBER PATCH CABLES
- OUTDOOR CAT 5E CABLE
- INDOOR CAT 5E CABLE
- CAT 5E CABLE TO BE REMOVED
- TERMINATION PANEL UPC (Blue)/APC (Green)
- EXISTING/PROPOSED FIBER OR BUFFER TUBE LEFT COILED IN SPLICE ENCLOSURE
- FUSION SPLICE – 6 FIBERS/ SINGLE FIBER
- FUSION SPLICE – 12 FIBER BUFFER TUBE
- EXISTING FUSION SPLICE – 12 FIBER BUFFER TUBE
- INTERSECTION LOCATION
- GBIC OPTICAL TRANSCEIVER LH - SHORT HAUL LED ZX – LONG HAUL LASER
- SFP/COPPER/CAT5/5E/6 CONNECTOR
- COPPER/CAT5/5E/6 CONNECTOR
- 144 STRAND SMF
- 288 STRAND SMF
- WIRELESS ETHERNET RADIO

KEY PLAN



5 DRAFT REVISION 5.0

INTERSECTION SIG4200

REFER TO SHEET 273 FOR CONSTRUCTION PLAN DETAILS
REFER TO SHEET 473 FOR COMM OVERVIEW DETAILS

CIP: 540007 - 100012
PID NUMBER: 99733

INT# SIG4200: KENNY RD. AT KINNEAR RD.
COMMUNICATIONS DIAGRAM

CITY OF COLUMBUS TRAFFIC SIGNAL SYSTEM
(CTSS) PHASE F – FINAL SUBMITTAL

609
768

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TRAFFIC SIGNAL CABINET ASSEMBLY

SWITCH	PORT	STATUS	DESTINATION	SHEET NO
1	6	EXISTING	INT# SIG4200: KENNY RD. AT KINNEAR RD.	609

5

EXISTING LAYER 2 ETHERNET SWITCH

Ports 1 2 3 4 5 6 7 8 (LH: T R)

5

EXISTING WIRELESS LINK TO:
(TO BE REMOVED)
INT# 4055: CHAMBERS RD.
AT NORTHWEST BLVD.
SEE SHEET 613

TERMINAL PORT SERVER
10/100 MDs | RS232 #1 | RS232 #2

TRAFFIC SIGNAL CONTROLLER
Ex. Econolite ASC/2S-2100
RS232

BLUE TUBE (NORTH)
ORANGE TUBE (SOUTH)
5

EXISTING 24 STRAND DROP

EXISTING PATCH PANEL ENCLOSURE – 24 TERMINATION

144 STRAND FOC

TO:
INT# SIG4200: KENNY RD. AT KINNEAR RD.
SEE SHEET 609

BLUE TUBE
ORANGE TUBE
GREEN TUBE
BROWN TUBE
SLATE TUBE
WHITE TUBE
RED TUBE
BLACK TUBE
YELLOW TUBE
VIOLET TUBE
ROSE TUBE
AQUA TUBE

BLUE TUBE
ORANGE TUBE

5
1-6
7-12
7-12
1-6

BLUE TUBE
ORANGE TUBE
GREEN TUBE
BROWN TUBE
SLATE TUBE
WHITE TUBE
RED TUBE
BLACK TUBE
YELLOW TUBE
VIOLET TUBE
ROSE TUBE
AQUA TUBE

3 Cable Entries
144 Proposed Fusion Splices
2 Coiled Buffer Tubes

EXISTING AERIAL SPLICE ENCLOSURE

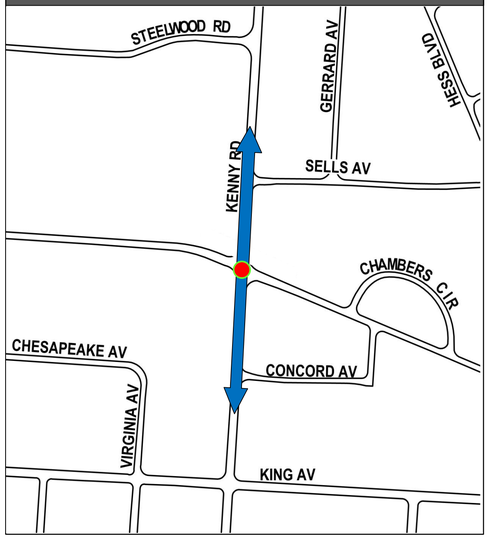
EXISTING 144 STRAND FOC

TO:
INT# 4097: KENNY RD. AT KING AVE.
SEE SHEET 611

LEGEND

- FIBER PATCH CABLES T/R STANDARD
- FIBER PATCH CABLES R/T CROSSOVER
- EXISTING FIBER PATCH CABLES
- OUTDOOR CAT 5E CABLE
- INDOOR CAT 5E CABLE
- CAT 5E CABLE TO BE REMOVED
- TERMINATION PANEL UPC (Blue)/APC (Green)
- EXISTING/PROPOSED FIBER OR BUFFER TUBE LEFT COILED IN SPLICE ENCLOSURE
- FUSION SPLICE – 6 FIBERS/ SINGLE FIBER
- FUSION SPLICE – 12 FIBER BUFFER TUBE
- EXISTING FUSION SPLICE – 12 FIBER BUFFER TUBE
- INTERSECTION LOCATION
- GBIC OPTICAL TRANSCEIVER LH - SHORT HAUL LED ZX – LONG HAUL LASER
- SFP/COPPER/CAT5/5E/6 CONNECTOR
- COPPER/CAT5/5E/6 CONNECTOR
- 144 STRAND SMF
- 288 STRAND SMF
- WIRELESS ETHERNET RADIO

KEY PLAN



NOTE:
REMOVE EXISTING WIRELESS TO INT# 4055: CHAMBERS RD. AT NORTHWEST BLVD.

5 DRAFT REVISION 5.0

INTERSECTION SIG4045

REFER TO SHEET 271 FOR CONSTRUCTION PLAN DETAILS
REFER TO SHEET 473 FOR COMM OVERVIEW DETAILS

CIP: 540007 - 100012
PID NUMBER: 99733

INT# SIG4045: CHAMBERS RD. AT KENNY RD.
COMMUNICATIONS DIAGRAM

CITY OF COLUMBUS TRAFFIC SIGNAL SYSTEM
(CTSS) PHASE F – FINAL SUBMITTAL

610
768

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TRAFFIC SIGNAL CABINET ASSEMBLY

SWITCH	PORT	STATUS	DESTINATION	SHEET NO
1	5	EXISTING	INT# 4098: KING AVE. AT NORTHWEST BLVD.	612
1	6	EXISTING	EXISTING CONNECTION TO INT# 4276: MARTHA MOREHOUSE DR	

5

EXISTING LAYER 2 ETHERNET SWITCH

Ports 1 2 3 4 5 6 7 8 (LH T/R, LH T/R)

5

TERMINAL PORT SERVER

10/100 Mbs | RS232 #1 | RS232 #2

TRAFFIC SIGNAL CONTROLLER

Ex. Econolite ASC/2S-2100

RS232

BLUE TUBE (NORTH)

ORANGE TUBE (SOUTH)

5

EXISTING PATCH PANEL ENCLOSURE – 24 TERMINATION

BLUE TUBE (SPARE)

ORANGE TUBE (WEST)

PATCH PANEL ENCLOSURE – 24 TERMINATION

EXISTING 24 STRAND DROP

24 STRAND DROP

EXISTING 144 STRAND FOC

TO:
INT# SIG4045: CHAMBERS RD. AT KENNY RD.
SEE SHEET 610

BLUE TUBE
ORANGE TUBE
GREEN TUBE
BROWN TUBE
SLATE TUBE
WHITE TUBE
RED TUBE
BLACK TUBE
YELLOW TUBE
VIOLET TUBE
ROSE TUBE
AQUA TUBE

BLUE TUBE
ORANGE TUBE

BLUE TUBE
ORANGE TUBE

144 STRAND FOC

TO:
INT# 4098: KING AVE. AT NORTHWEST BLVD.
SEE SHEET 612

BLUE TUBE
ORANGE TUBE
GREEN TUBE
BROWN TUBE
SLATE TUBE
WHITE TUBE
RED TUBE
BLACK TUBE
YELLOW TUBE
VIOLET TUBE
ROSE TUBE
AQUA TUBE

5 Cable Entries
188 Proposed Fusion Splices
2 Coiled Buffer Tubes
4 Buffer Tubes Passed Through Unspliced

DOME, 800 FUSION SPLICE, AERIAL SPLICE ENCLOSURE

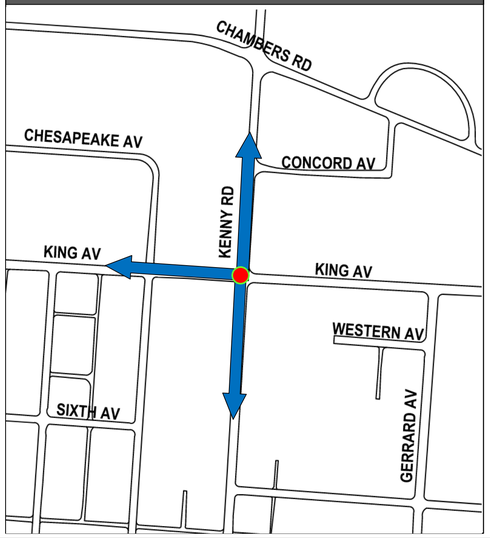
EXISTING 144 STRAND FOC

TO:
INT# 4088: FIFTH AVE. AT KENNY RD.
SEE SHEET 601

LEGEND

- FIBER PATCH CABLES T/R STANDARD
- FIBER PATCH CABLES R/T CROSSOVER
- EXISTING FIBER PATCH CABLES
- OUTDOOR CAT 5E CABLE
- INDOOR CAT 5E CABLE
- CAT 5E CABLE TO BE REMOVED
- TERMINATION PANEL UPC (Blue)/APC (Green)
- EXISTING/PROPOSED FIBER OR BUFFER TUBE LEFT COILED IN SPLICE ENCLOSURE
- FUSION SPLICE – 6 FIBERS/ SINGLE FIBER
- FUSION SPLICE – 12 FIBER BUFFER TUBE
- EXISTING FUSION SPLICE – 12 FIBER BUFFER TUBE
- INTERSECTION LOCATION
- GBIC OPTICAL TRANSCEIVER LH - SHORT HAUL LED ZX – LONG HAUL LASER
- SFP/COPPER/CAT5/5E/6 CONNECTOR
- COPPER/CAT5/5E/6 CONNECTOR
- 144 STRAND SMF
- 288 STRAND SMF
- WIRELESS ETHERNET RADIO

KEY PLAN



5 DRAFT REVISION 5.0

INTERSECTION 4097

REFER TO SHEET 268 FOR CONSTRUCTION PLAN DETAILS
REFER TO SHEET 473 FOR COMM OVERVIEW DETAILS

CIP: 540007 - 100012
PID NUMBER: 99733

INT# 4097: KENNY RD. AT KING AVE.
COMMUNICATIONS DIAGRAM

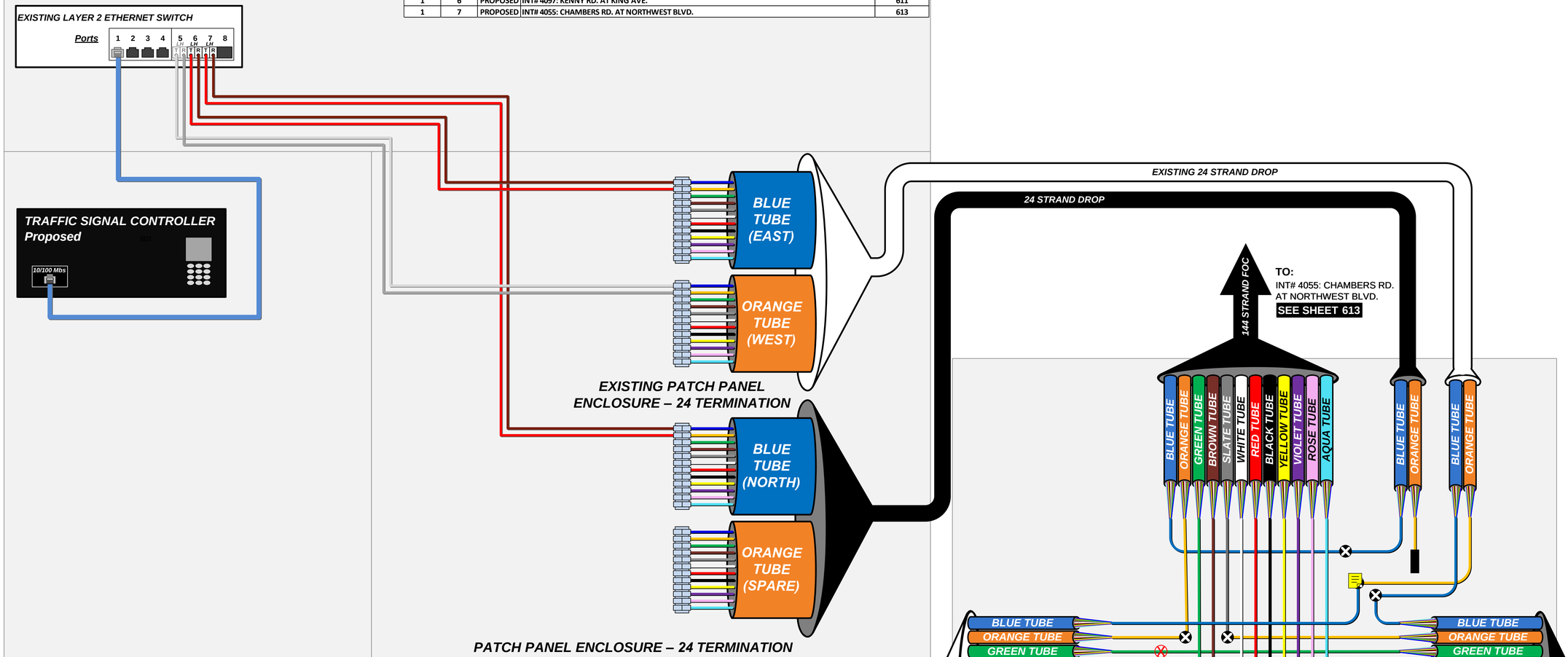
CITY OF COLUMBUS TRAFFIC SIGNAL SYSTEM
(CTSS) PHASE F – FINAL SUBMITTAL

611
768

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TRAFFIC SIGNAL CABINET ASSEMBLY

SWITCH	PORT	STATUS	DESTINATION	SHEET NO
1	5	EXISTING	EXISTING CONNECTION TO INT# 4099: KING AVE. AT NORTH STAR RD.	
1	6	PROPOSED	INT# 4097: KENNY RD. AT KING AVE.	611
1	7	PROPOSED	INT# 4055: CHAMBERS RD. AT NORTHWEST BLVD.	613



LEGEND

- FIBER PATCH CABLES T/R STANDARD
- FIBER PATCH CABLES R/T CROSSOVER
- EXISTING FIBER PATCH CABLES
- OUTDOOR CAT 5E CABLE
- INDOOR CAT 5E CABLE
- CAT 5E CABLE TO BE REMOVED
- TERMINATION PANEL UPC (Blue)/APC (Green)
- EXISTING/PROPOSED FIBER OR BUFFER TUBE LEFT COILED IN SPLICE ENCLOSURE
- FUSION SPLICE – 6 FIBERS/ SINGLE FIBER
- FUSION SPLICE – 12 FIBER BUFFER TUBE
- EXISTING FUSION SPLICE – 12 FIBER BUFFER TUBE
- INTERSECTION LOCATION
- GBIC OPTICAL TRANSCEIVER LH - SHORT HAUL LED ZX – LONG HAUL LASER
- SFP/COPPER/CAT5/5E/6 CONNECTOR
- COPPER/CAT5/5E/6 CONNECTOR
- 144 STRAND SMF
- 288 STRAND SMF
- WIRELESS ETHERNET RADIO

KEY PLAN



INTERSECTION 4098

REFER TO SHEET 267 FOR CONSTRUCTION PLAN DETAILS
REFER TO SHEET 473 FOR COMM OVERVIEW DETAILS

CIP: 540007 - 100012
PID NUMBER: 99733

INT# 4098: KING AVE. AT NORTHWEST BLVD.
COMMUNICATIONS DIAGRAM

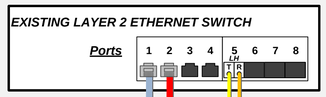
CITY OF COLUMBUS TRAFFIC SIGNAL SYSTEM
(CTSS) PHASE F – FINAL SUBMITTAL

612
768

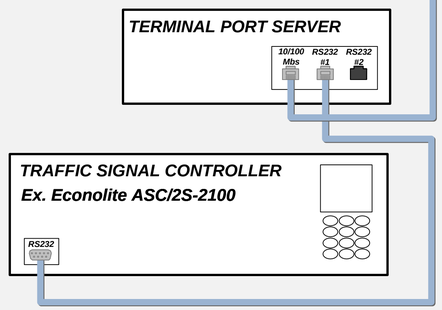
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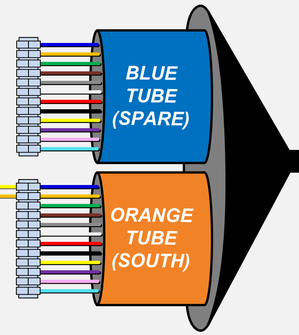
TRAFFIC SIGNAL CABINET ASSEMBLY

SWITCH	PORT	STATUS	DESTINATION	SHEET NO
1	9	PROPOSED	INT# 4098: KING AVE. AT NORTHWEST BLVD.	612



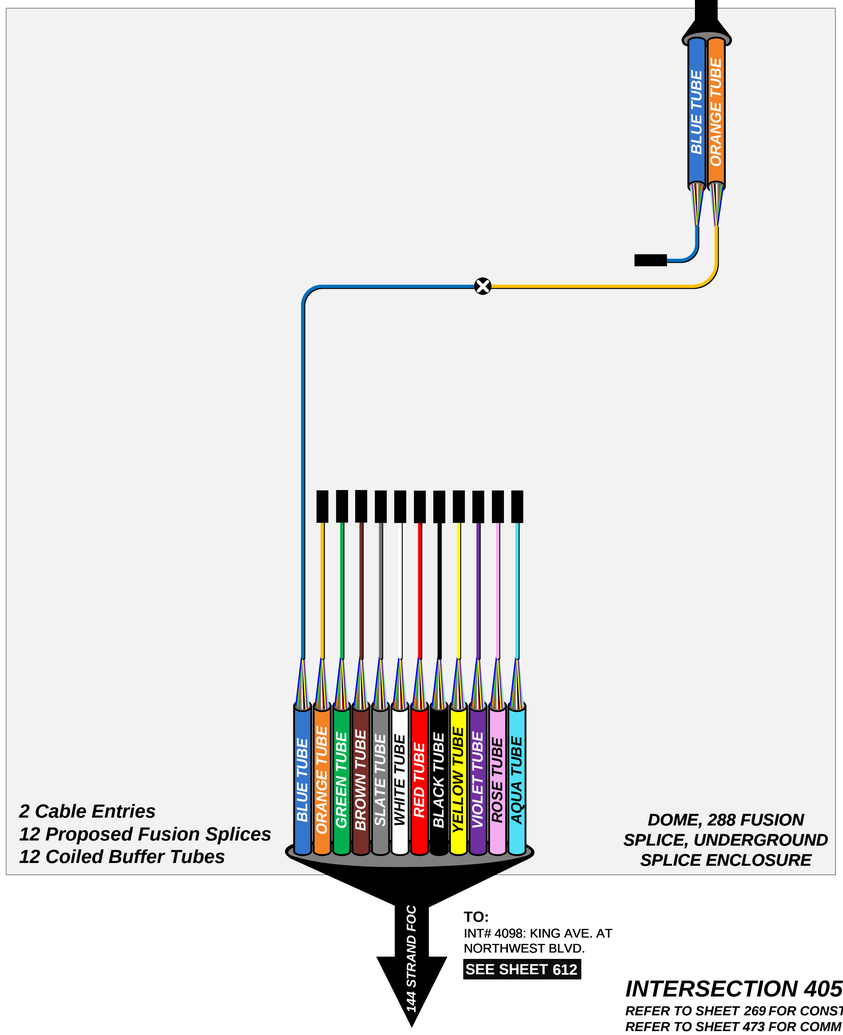
EXISTING WIRELESS LINK TO:
(TO BE REMOVED)
INT# SIG4045: CHAMBERS RD. AT KENNY RD.
SEE SHEET 610





24 STRAND DROP

PATCH PANEL ENCLOSURE – 24 TERMINATION



2 Cable Entries
12 Proposed Fusion Splices
12 Coiled Buffer Tubes

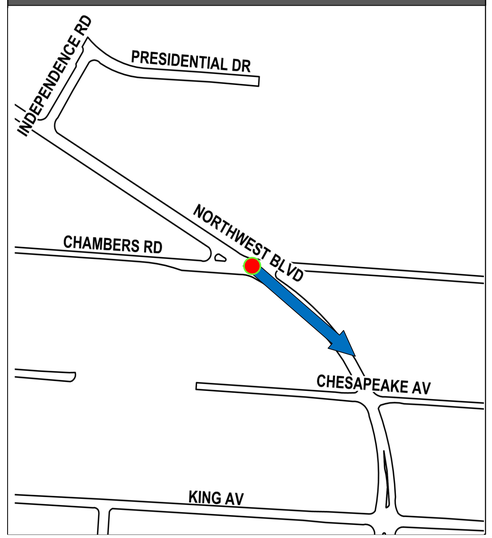
DOME, 288 FUSION SPLICE, UNDERGROUND SPLICE ENCLOSURE

TO:
INT# 4098: KING AVE. AT NORTHWEST BLVD.
SEE SHEET 612

LEGEND

- FIBER PATCH CABLES T/R STANDARD
- FIBER PATCH CABLES R/T CROSSOVER
- EXISTING FIBER PATCH CABLES
- OUTDOOR CAT 5E CABLE
- INDOOR CAT 5E CABLE
- CAT 5E CABLE TO BE REMOVED
- TERMINATION PANEL UPC (Blue)/APC (Green)
- EXISTING/PROPOSED FIBER OR BUFFER TUBE LEFT COILED IN SPLICE ENCLOSURE
- FUSION SPLICE – 6 FIBERS/ SINGLE FIBER
- FUSION SPLICE – 12 FIBER BUFFER TUBE
- EXISTING FUSION SPLICE – 12 FIBER BUFFER TUBE
- INTERSECTION LOCATION
- GBIC OPTICAL TRANSCEIVER LH - SHORT HAUL LED ZX – LONG HAUL LASER
- SFP/COPPER/CAT5/5E/6 CONNECTOR
- COPPER/CAT5/5E/6 CONNECTOR
- 144 STRAND SMF
- 288 STRAND SMF
- WIRELESS ETHERNET RADIO

KEY PLAN



NOTE:
REMOVE EXISTING WIRELESS TO INT# SIG4045: CHAMBERS RD. AT KENNY RD.

INTERSECTION 4055

REFER TO SHEET 269 FOR CONSTRUCTION PLAN DETAILS
REFER TO SHEET 473 FOR COMM OVERVIEW DETAILS

CIP: 540007 - 100012
PID NUMBER: 99733

INT# 4055: CHAMBERS RD. AT NORTHWEST BLVD.
COMMUNICATIONS DIAGRAM

CITY OF COLUMBUS TRAFFIC SIGNAL SYSTEM
(CTSS) PHASE F – FINAL SUBMITTAL

\\colw00\pmwork\Jobs\70202 - CTSS Phase F\TECHPROD\Communications\Intersection Splicing Details\601-613.vsd - 4055 layout ~ last saved by: skoganti 6/1/2022 10:48:17 AM ~ printed: 6/1/2022 10:48:17 AM

TRAFFIC SIGNAL CABINET ASSEMBLY

SWITCH	PORT	STATUS	DESTINATION	SHEET NO
1	2	PROPOSED	INT# 4275: HILLIARD-ROME RD. AT MENARDS	615
1	5	EXISTING	EXISTING CONNECTION TO INT# 4269: FEDER RD. AT HARTFORD VILLAGE BLVD.	
1	6	EXISTING	EXISTING CONNECTION TO INT# 4233: HILLIARD ROME RD. AT I-70 EB RAMPS	

EXISTING LAYER 2 ETHERNET SWITCH

Ports 1 2 3 4 5 6 7 8

TRAFFIC SIGNAL CONTROLLER
Ex. Econolite Cobalt

TO:
INT# 4275: HILLIARD-ROME RD. AT MENARDS
SEE SHEET 615

BLUE TUBE (NORTH)
ORANGE TUBE (SPARE)
BLUE TUBE (EAST)
ORANGE TUBE (WEST)

EXISTING PATCH PANEL ENCLOSURE – (2)-24 TERMINATION

EXISTING 24 STRAND DROP
EXSITING 24 STRAND DROP

EXISTING 144 STRAND FOC

TO:
INT# 4233: HILLIARD-ROME RD AT I-70 EB RAMPS

BLUE TUBE
ORANGE TUBE
GREEN TUBE
BROWN TUBE
SLATE TUBE
WHITE TUBE
RED TUBE
BLACK TUBE
YELLOW TUBE
VIOLET TUBE
ROSE TUBE
AQUA TUBE

EXISTING 144 STRAND FOC

TO:
INT# 4269:FEDER RD. AT HARTFORD VILLAGE BLVD.

EXISTING 144 STRAND FOC

TO:
INT# FCEO FACILITY AT FISHER RD (WEST MAINTENANCE)

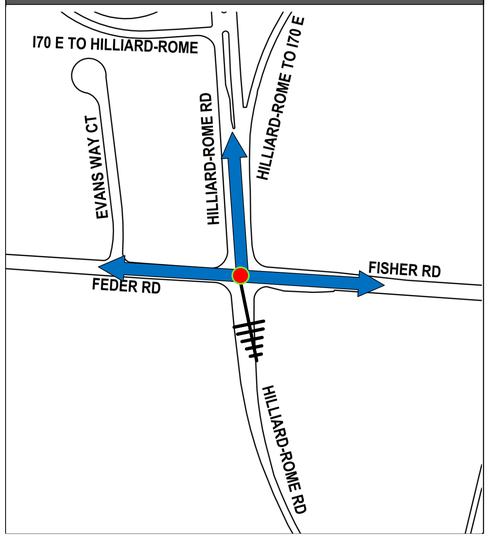
5 Cable Entries
204 Proposed Fusion Splices
6 Coiled Buffer Tubes

DOME, 800 FUSION SPLICE, UNDERGROUND SPLICE ENCLOSURE

LEGEND

- FIBER PATCH CABLES T/R STANDARD
- FIBER PATCH CABLES R/T CROSSOVER
- EXISTING FIBER PATCH CABLES
- OUTDOOR CAT 5E CABLE
- INDOOR CAT 5E CABLE
- CAT 5E CABLE TO BE REMOVED
- TERMINATION PANEL UPC (Blue)/APC (Green)
- EXISTING/PROPOSED FIBER OR BUFFER TUBE LEFT COILED IN SPLICE ENCLOSURE
- FUSION SPLICE – 6 FIBERS/ SINGLE FIBER
- FUSION SPLICE – 12 FIBER BUFFER TUBE
- EXISTING FUSION SPLICE – 12 FIBER BUFFER TUBE
- INTERSECTION LOCATION
- GBIC OPTICAL TRANSCEIVER LH - SHORT HAUL LED ZX – LONG HAUL LASER
- SFP/COPPER/CAT5/5E/6 CONNECTOR
- COPPER/CAT5/5E/6 CONNECTOR
- 144 STRAND SMF
- 288 STRAND SMF
- WIRELESS ETHERNET RADIO

KEY PLAN



INTERSECTION 4234

REFER TO SHEET 292 FOR CONSTRUCTION PLAN DETAILS
REFER TO SHEET 474 FOR COMM OVERVIEW DETAILS

CIP: 540007 - 100012
PID NUMBER: 99733

INT# 4234: FISHER RD. AT HILLIARD-ROME RD.
COMMUNICATIONS DIAGRAM

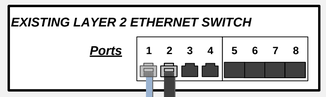
CITY OF COLUMBUS TRAFFIC SIGNAL SYSTEM
(CTSS) PHASE F – FINAL SUBMITTAL

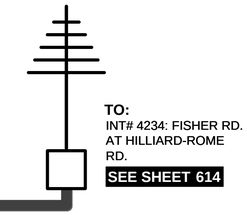
614
768

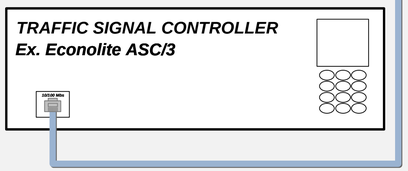
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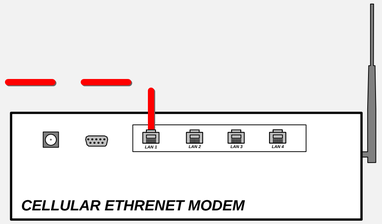
TRAFFIC SIGNAL CABINET ASSEMBLY

SWITCH	PORT	STATUS	DESTINATION	SHEET NO
1	2	PROPOSED	INT# 4234: FISHER RD. AT HILLIARD-ROME RD.	614





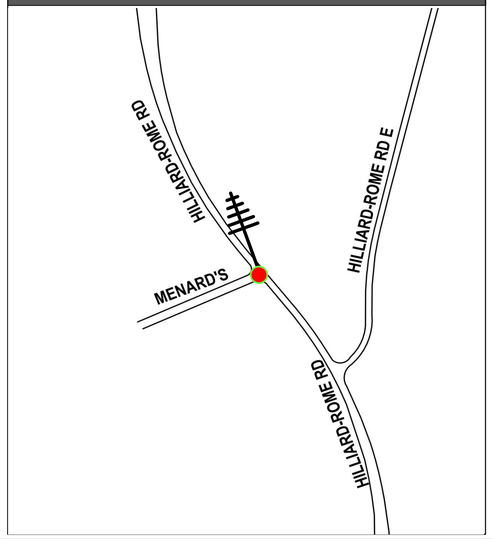




LEGEND

- FIBER PATCH CABLES T/R STANDARD
- FIBER PATCH CABLES R/T CROSSOVER
- EXISTING FIBER PATCH CABLES
- OUTDOOR CAT 5E CABLE
- INDOOR CAT 5E CABLE
- CAT 5E CABLE TO BE REMOVED
- TERMINATION PANEL UPC (Blue)/APC (Green)
- EXISTING/PROPOSED FIBER OR BUFFER TUBE LEFT COILED IN SPLICE ENCLOSURE
- FUSION SPLICE – 6 FIBERS/ SINGLE FIBER
- FUSION SPLICE – 12 FIBER BUFFER TUBE
- EXISTING FUSION SPLICE – 12 FIBER BUFFER TUBE
- INTERSECTION LOCATION
- LH ZX — GBIC OPTICAL TRANSCEIVER LH - SHORT HAUL LED ZX – LONG HAUL LASER
- SFP/COPPER/CAT5/5E/6 CONNECTOR
- COPPER/CAT5/5E/6 CONNECTOR
- 144 STRAND SMF
- 288 STRAND SMF
- WIRELESS ETHERNET RADIO

KEY PLAN



NOTE:
REMOVE EXISTING CELL MODEM

INTERSECTION 4275

REFER TO SHEET 291 FOR CONSTRUCTION PLAN DETAILS
REFER TO SHEET 474 FOR COMM OVERVIEW DETAILS

CIP: 540007 - 100012
PID NUMBER: 99733

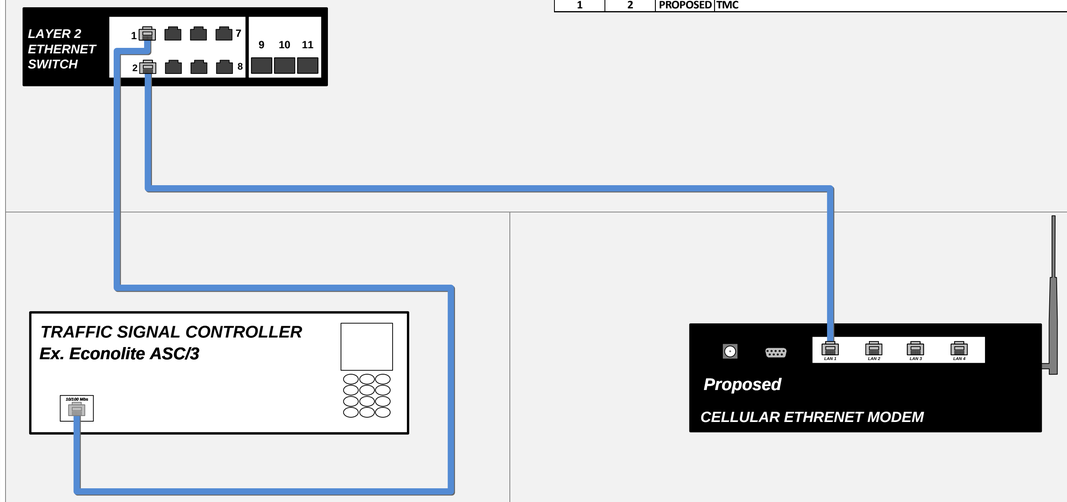
INT# 4275: HILLIARD-ROME RD. AT MENARDS
COMMUNICATIONS DIAGRAM

CITY OF COLUMBUS TRAFFIC SIGNAL SYSTEM
(CTSS) PHASE F – FINAL SUBMITTAL

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TRAFFIC SIGNAL CABINET ASSEMBLY

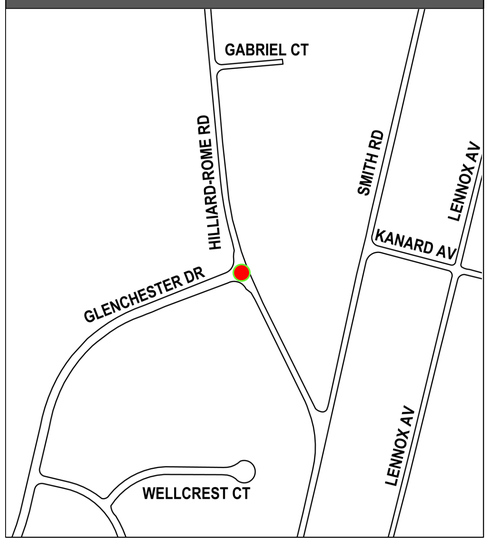
SWITCH	PORT	STATUS	DESTINATION	SHEET NO
1	2	PROPOSED	TMC	



LEGEND

- FIBER PATCH CABLES T/R STANDARD
- FIBER PATCH CABLES R/T CROSSOVER
- EXISTING FIBER PATCH CABLES
- OUTDOOR CAT 5E CABLE
- INDOOR CAT 5E CABLE
- CAT 5E CABLE TO BE REMOVED
- TERMINATION PANEL UPC (Blue)/APC (Green)
- EXISTING/PROPOSED FIBER OR BUFFER TUBE LEFT COILED IN SPLICE ENCLOSURE
- FUSION SPLICE – 6 FIBERS/ SINGLE FIBER
- FUSION SPLICE – 12 FIBER BUFFER TUBE
- EXISTING FUSION SPLICE – 12 FIBER BUFFER TUBE
- INTERSECTION LOCATION
- LH ZX GBIC OPTICAL TRANSCEIVER LH - SHORT HAUL LED ZX – LONG HAUL LASER
- SFP/COPPER/CAT5/5E/6 CONNECTOR
- COPPER/CAT5/5E/6 CONNECTOR
- 144 STRAND SMF
- 288 STRAND SMF
- WIRELESS ETHERNET RADIO

KEY PLAN



INTERSECTION 4265

REFER TO SHEET 290 FOR CONSTRUCTION PLAN DETAILS
REFER TO SHEET 474 FOR COMM OVERVIEW DETAILS

CIP: 540007 - 100012
PID NUMBER: 99733

INT# 4265: GLENCHESTER DR. AT HILLIARD-ROME RD.
COMMUNICATIONS DIAGRAM

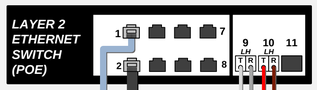
CITY OF COLUMBUS TRAFFIC SIGNAL SYSTEM
(CTSS) PHASE F – FINAL SUBMITTAL

616
768

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TRAFFIC SIGNAL CABINET ASSEMBLY

SWITCH	PORT	STATUS	DESTINATION	SHEET NO
1	9	EXISTING	EXISTING CONNECTION TO INT# SIG4165: HAGUE AVE. AT TRABUE RD.	
1	10	PROPOSED	INT# 4274: LAKE SHORE DR. AT TRABUE RD.	618



ETHERNET CABLE

PROPOSED CCTV

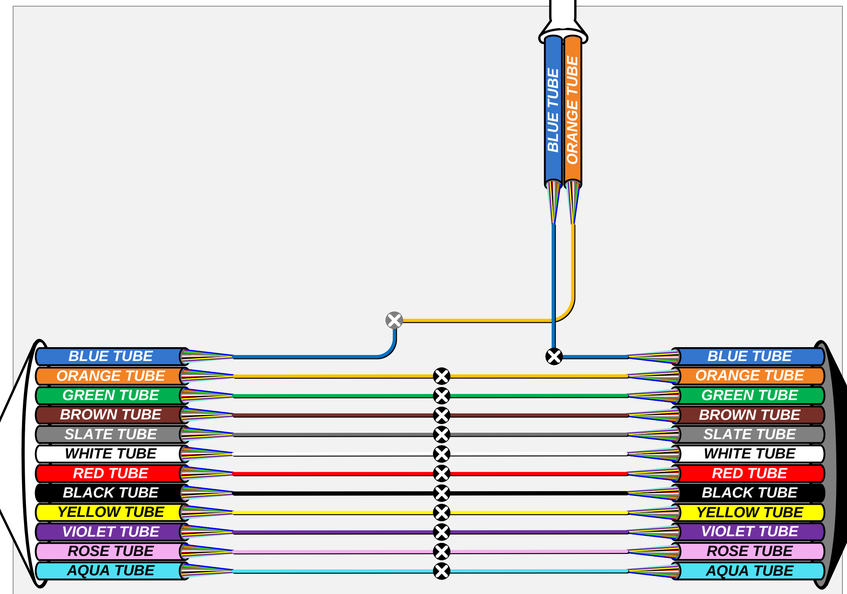
TRAFFIC SIGNAL CONTROLLER
Ex. Econolite ASC/3

BLUE TUBE (EAST)

ORANGE TUBE (WEST)

EXISTING 24 STRAND DROP

EXISTING PATCH PANEL ENCLOSURE – 24 TERMINATION



TO:
INT# SIG4165: HAGUE AVE. AT TRABUE RD.

TO:
INT# 4274: LAKE SHORE DR. AT TRABUE RD.
SEE SHEET 618

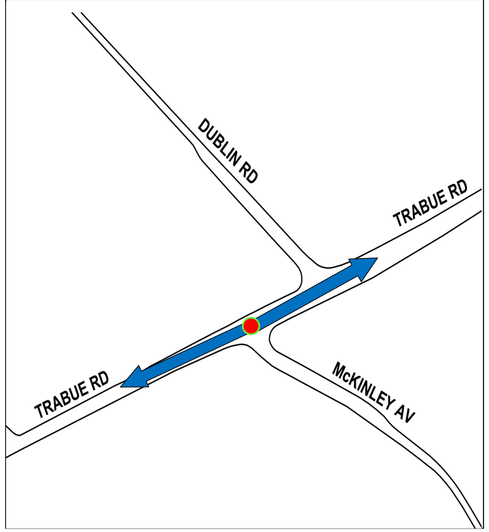
3 Cable Entries
144 Proposed Fusion Splices
156 Total Fusion Splices

EXISTING AERIAL SPLICE ENCLOSURE

LEGEND

- FIBER PATCH CABLES T/R STANDARD
- FIBER PATCH CABLES R/T CROSSOVER
- EXISTING FIBER PATCH CABLES
- OUTDOOR CAT 5E CABLE
- INDOOR CAT 5E CABLE
- CAT 5E CABLE TO BE REMOVED
- TERMINATION PANEL UPC (Blue)/APC (Green)
- EXISTING/PROPOSED FIBER OR BUFFER TUBE LEFT COILED IN SPLICE ENCLOSURE
- FUSION SPLICE – 6 FIBERS/ SINGLE FIBER
- FUSION SPLICE – 12 FIBER BUFFER TUBE
- EXISTING FUSION SPLICE – 12 FIBER BUFFER TUBE
- INTERSECTION LOCATION
- GBIC OPTICAL TRANSCEIVER LH - SHORT HAUL LED ZX – LONG HAUL LASER
- SFP/COPPER/CAT5/5E/6 CONNECTOR
- COPPER/CAT5/5E/6 CONNECTOR
- 144 STRAND SMF
- 288 STRAND SMF
- WIRELESS ETHERNET RADIO

KEY PLAN



NOTE:
REMOVE EXISTING 24 STRAND DROP TO INT# 4274: LAKE SHORE DR. AT TRABUE RD.

INTERSECTION 4143

REFER TO SHEET 284 FOR CONSTRUCTION PLAN DETAILS
REFER TO SHEET 474 FOR COMM OVERVIEW DETAILS

CIP: 540007 - 100012
PID NUMBER: 99733

INT# 4143: MCKINLEY AVE AT TRABUE RD.
COMMUNICATIONS DIAGRAM

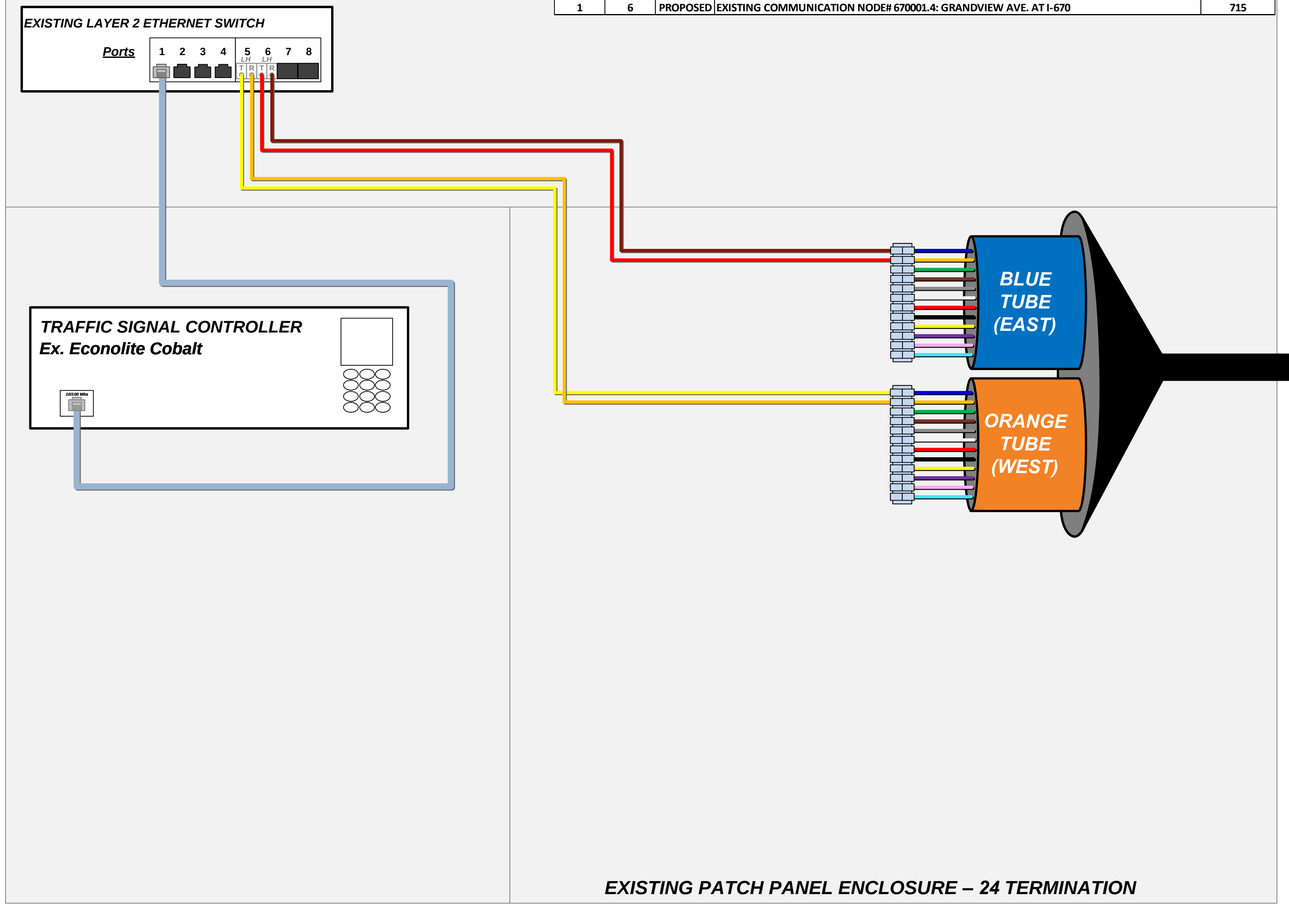
CITY OF COLUMBUS TRAFFIC SIGNAL SYSTEM
(CTSS) PHASE F – FINAL SUBMITTAL

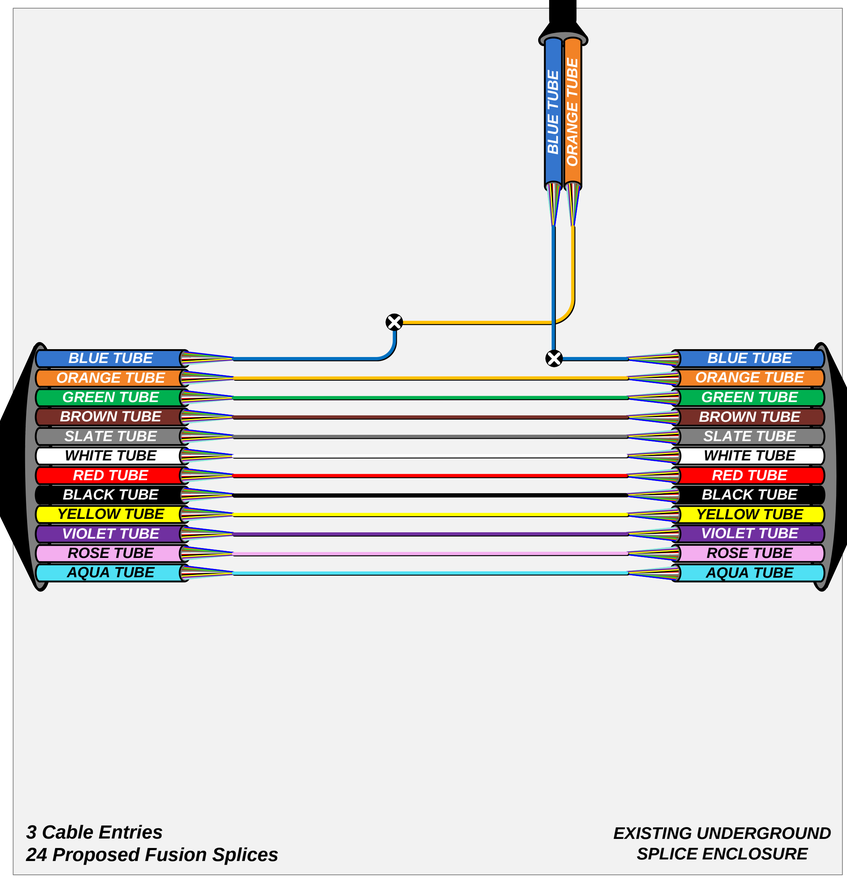
617
768

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TRAFFIC SIGNAL CABINET ASSEMBLY

SWITCH	PORT	STATUS	DESTINATION	SHEET NO
1	5	PROPOSED	INT# 4143: MCKINLEY AVE AT TRABUE RD.	617
1	6	PROPOSED	EXISTING COMMUNICATION NODE# 670001.4: GRANDVIEW AVE. AT I-670	715

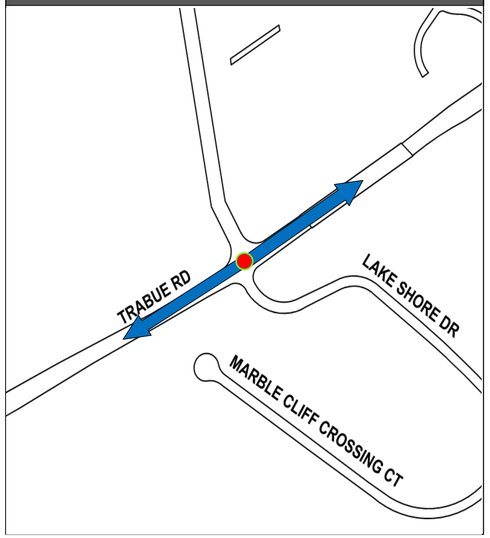




LEGEND

- FIBER PATCH CABLES T/R STANDARD
- FIBER PATCH CABLES R/T CROSSOVER
- EXISTING FIBER PATCH CABLES
- OUTDOOR CAT 5E CABLE
- INDOOR CAT 5E CABLE
- CAT 5E CABLE TO BE REMOVED
- TERMINATION PANEL UPC (Blue)/APC (Green)
- EXISTING/PROPOSED FIBER OR BUFFER TUBE LEFT COILED IN SPLICE ENCLOSURE
- FUSION SPLICE – 6 FIBERS/ SINGLE FIBER
- FUSION SPLICE – 12 FIBER BUFFER TUBE
- EXISTING FUSION SPLICE – 12 FIBER BUFFER TUBE
- INTERSECTION LOCATION
- GBIC OPTICAL TRANSCEIVER LH - SHORT HAUL LED ZX – LONG HAUL LASER
- SFP/COPPER/CAT5/5E/6 CONNECTOR
- COPPER/CAT5/5E/6 CONNECTOR
- 144 STRAND SMF
- 288 STRAND SMF
- WIRELESS ETHERNET RADIO

KEY PLAN



INTERSECTION 4274

REFER TO SHEET 285 FOR CONSTRUCTION PLAN DETAILS
REFER TO SHEET 474 FOR COMM OVERVIEW DETAILS

CIP: 540007 - 100012
PID NUMBER: 99733

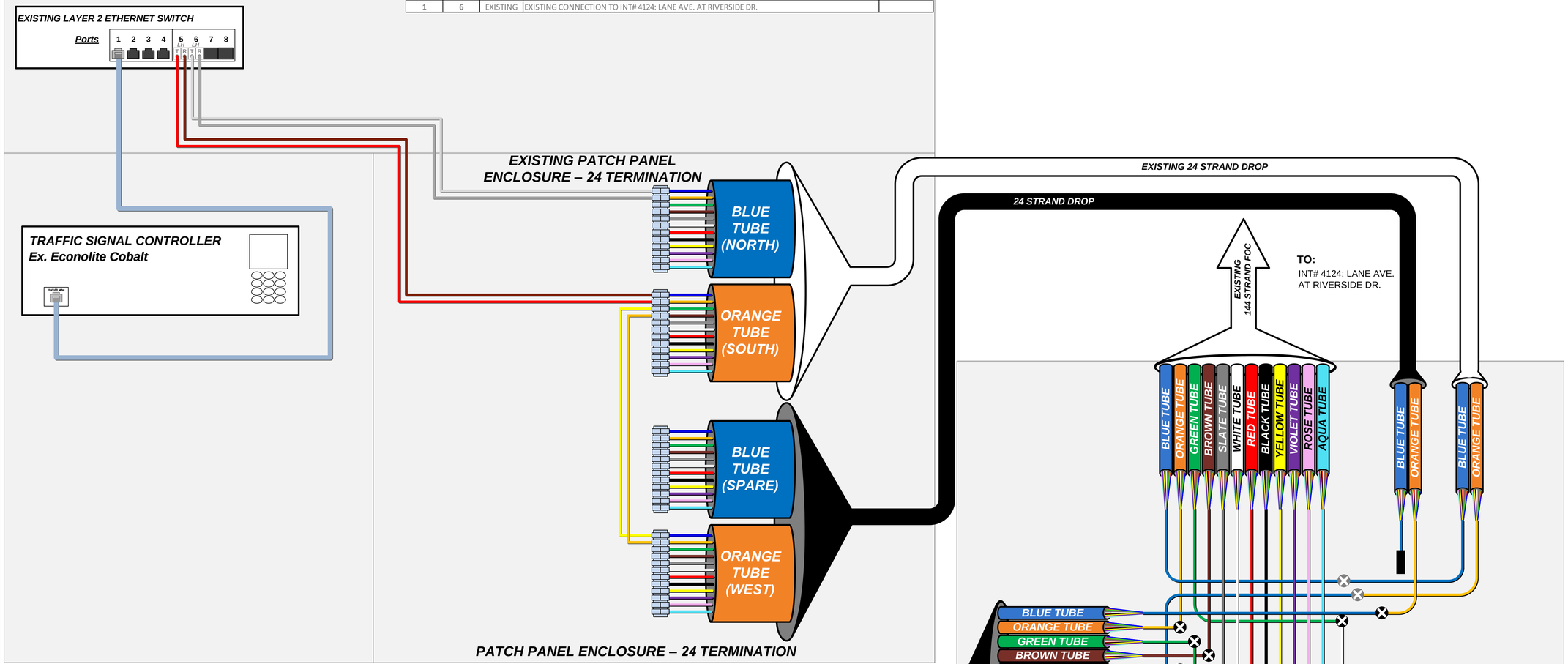
INT# 4274: LAKE SHORE DR. AT TRABUE RD.
COMMUNICATIONS DIAGRAM

CITY OF COLUMBUS TRAFFIC SIGNAL SYSTEM
(CTSS) PHASE F – FINAL SUBMITTAL

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TRAFFIC SIGNAL CABINET ASSEMBLY

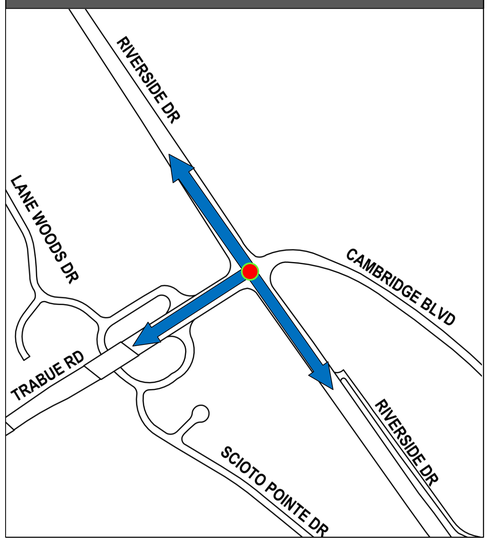
SWITCH	PORT	STATUS	DESTINATION	SHEET NO
1	5	PROPOSED	INT# 6700: DUBLIN RD./ RIVERSIDE DR. AT FIFTH AVE.	621
1	6	EXISTING	EXISTING CONNECTION TO INT# 4124: LANE AVE. AT RIVERSIDE DR.	



LEGEND

- FIBER PATCH CABLES T/R STANDARD
- FIBER PATCH CABLES R/T CROSSOVER
- EXISTING FIBER PATCH CABLES
- OUTDOOR CAT 5E CABLE
- INDOOR CAT 5E CABLE
- CAT 5E CABLE TO BE REMOVED
- TERMINATION PANEL UPC (Blue)/APC (Green)
- EXISTING/PROPOSED FIBER OR BUFFER TUBE LEFT COILED IN SPLICE ENCLOSURE
- FUSION SPLICE – 6 FIBERS/ SINGLE FIBER
- FUSION SPLICE – 12 FIBER BUFFER TUBE
- EXISTING FUSION SPLICE – 12 FIBER BUFFER TUBE
- INTERSECTION LOCATION
- GBIC OPTICAL TRANSCEIVER LH - SHORT HAUL LED ZX – LONG HAUL LASER
- SFP/COPPER/CAT5/5E/6 CONNECTOR
- COPPER/CAT5/5E/6 CONNECTOR
- 144 STRAND SMF
- 288 STRAND SMF
- WIRELESS ETHERNET RADIO

KEY PLAN



INTERSECTION 6253

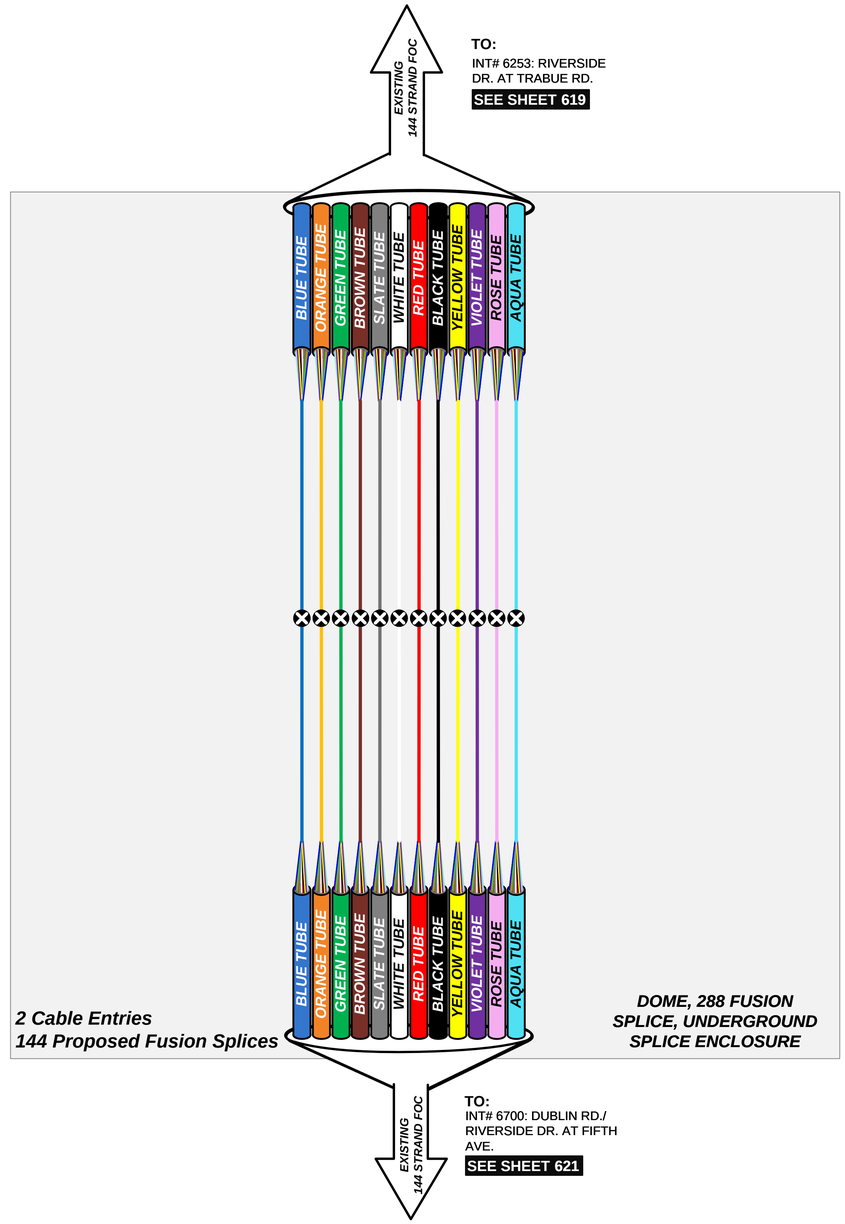
REFER TO SHEET 287 FOR CONSTRUCTION PLAN DETAILS
REFER TO SHEET 474 FOR COMM OVERVIEW DETAILS

CIP: 540007 - 100012
PID NUMBER: 99733

INT# 6253: RIVERSIDE DR. AT TRABUE RD.
COMMUNICATIONS DIAGRAM

CITY OF COLUMBUS TRAFFIC SIGNAL SYSTEM
(CTSS) PHASE F – FINAL SUBMITTAL

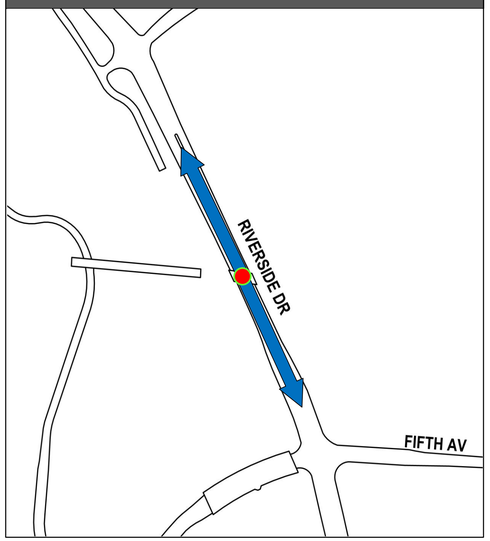
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LEGEND

- FIBER PATCH CABLES T/R STANDARD
- FIBER PATCH CABLES R/T CROSSOVER
- EXISTING FIBER PATCH CABLES
- OUTDOOR CAT 5E CABLE
- INDOOR CAT 5E CABLE
- CAT 5E CABLE TO BE REMOVED
- TERMINATION PANEL UPC (Blue)/APC (Green)
- EXISTING/PROPOSED FIBER OR BUFFER TUBE LEFT COILED IN SPLICE ENCLOSURE
- FUSION SPLICE – 6 FIBERS/ SINGLE FIBER
- FUSION SPLICE – 12 FIBER BUFFER TUBE
- EXISTING FUSION SPLICE – 12 FIBER BUFFER TUBE
- INTERSECTION LOCATION
- GBIC OPTICAL TRANSCEIVER LH - SHORT HAUL LED ZX – LONG HAUL LASER
- SFP/COPPER/CAT5/5E/6 CONNECTOR
- COPPER/CAT5/5E/6 CONNECTOR
- 144 STRAND SMF
- 288 STRAND SMF
- WIRELESS ETHERNET RADIO

KEY PLAN



SPLICE-02

REFER TO SHEET 288 FOR CONSTRUCTION PLAN DETAILS
REFER TO SHEET 474 FOR COMM OVERVIEW DETAILS

CIP: 540007 - 100012
PID NUMBER: 99733

SPLICE-02: 7+10, 40' LT ON RIVERSIDE DR.
COMMUNICATIONS DIAGRAM

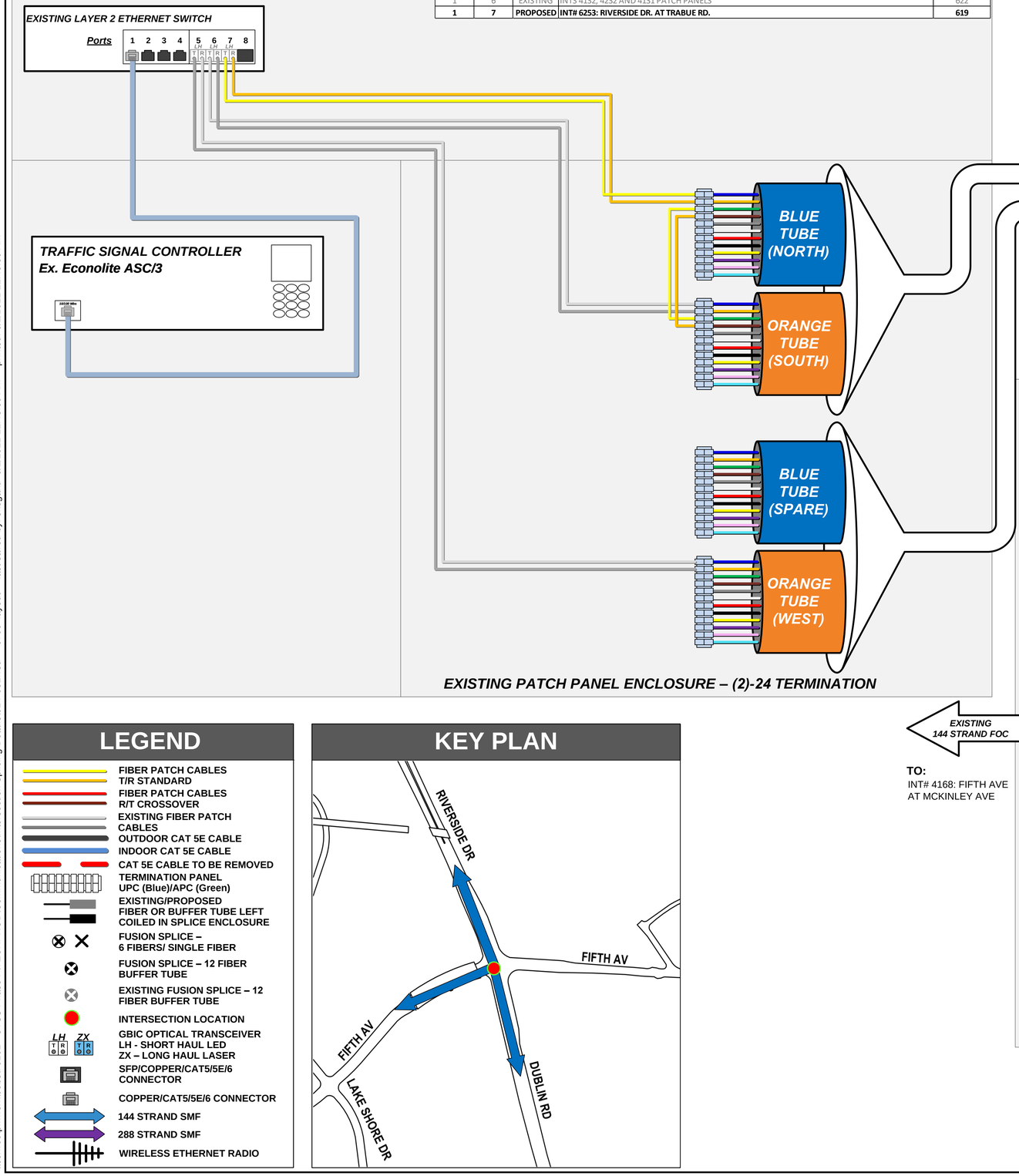
CITY OF COLUMBUS TRAFFIC SIGNAL SYSTEM
(CTSS) PHASE F – FINAL SUBMITTAL

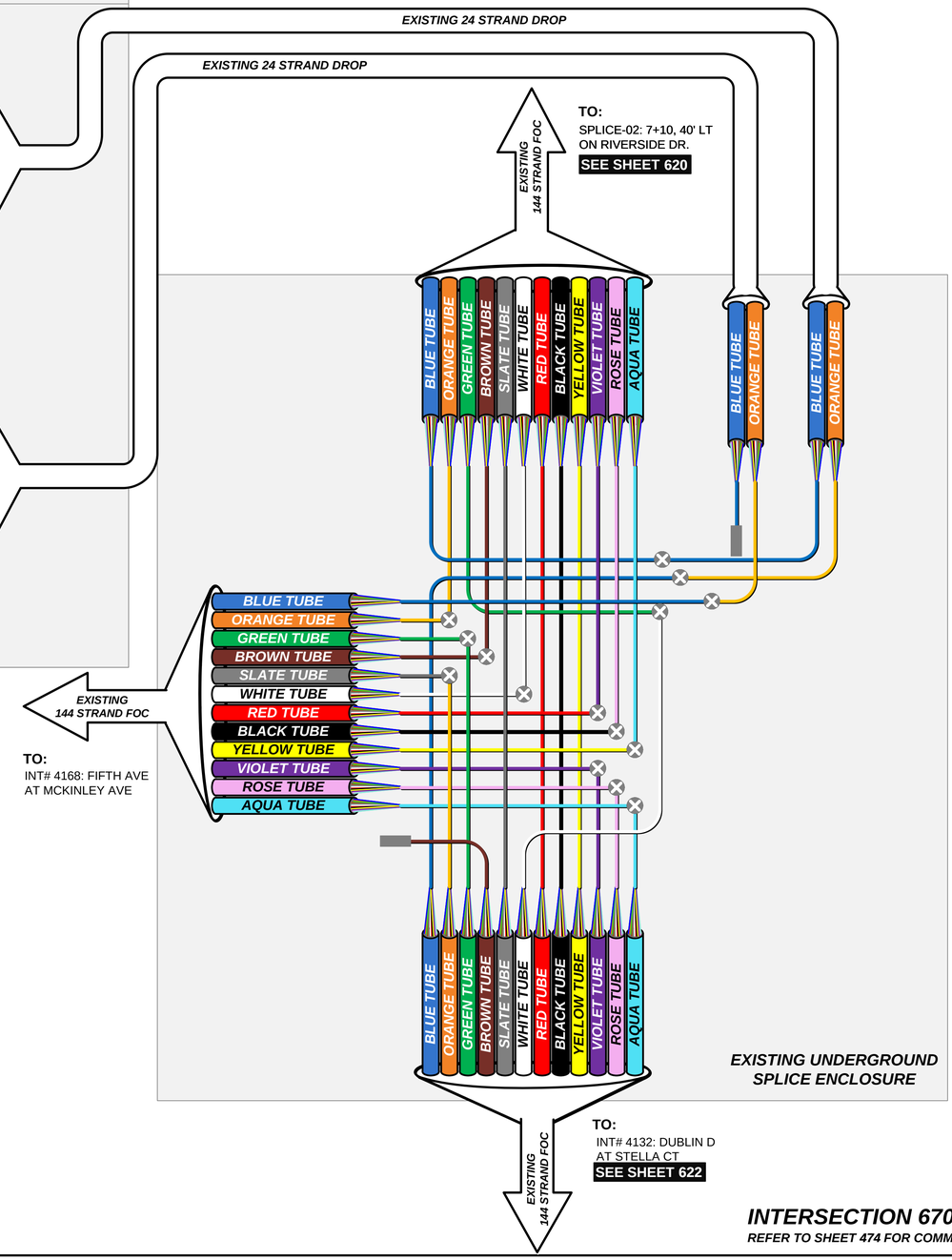
620
768

\\colw00\pmwork\Jobs\70202 - CTSS Phase F\TECHPROD\Communications\Intersection Splicing Details\614-631.vsd - Splice-02 layout ~ last saved by: skoganti 6/1/2022 10:55:03 AM ~ printed: 6/1/2022 10:55:03 AM

TRAFFIC SIGNAL CABINET ASSEMBLY

SWITCH	PORT	STATUS	DESTINATION	SHEET NO
1	5	EXISTING	EXISTING CONNECTION TO INT# 4168: FIFTH AVE. AT MCKINLEY AVE.	
1	6	EXISTING	INTS 4132, 4232 AND 4131 PATCH PANELS	622
1	**7**	**PROPOSED**	**INT# 6253: RIVERSIDE DR. AT TRABUE RD.**	**619**





LEGEND

- FIBER PATCH CABLES T/R STANDARD
- FIBER PATCH CABLES R/T CROSSOVER
- EXISTING FIBER PATCH CABLES
- OUTDOOR CAT 5E CABLE
- INDOOR CAT 5E CABLE
- CAT 5E CABLE TO BE REMOVED
- TERMINATION PANEL UPC (Blue)/APC (Green)
- EXISTING/PROPOSED FIBER OR BUFFER TUBE LEFT COILED IN SPLICE ENCLOSURE
- FUSION SPLICE – 6 FIBERS/ SINGLE FIBER
- FUSION SPLICE – 12 FIBER BUFFER TUBE
- EXISTING FUSION SPLICE – 12 FIBER BUFFER TUBE
- INTERSECTION LOCATION
- GBIC OPTICAL TRANSCEIVER LH - SHORT HAUL LED ZX – LONG HAUL LASER
- SFP/COPPER/CAT5/5E/6 CONNECTOR
- COPPER/CAT5/5E/6 CONNECTOR
- 144 STRAND SMF
- 288 STRAND SMF
- WIRELESS ETHERNET RADIO

KEY PLAN

INTERSECTION 6700

REFER TO SHEET 474 FOR COMM OVERVIEW DETAILS

CIP: 540007 - 100012
PID NUMBER: 99733

INT# 6700: DUBLIN RD./ RIVERSIDE DR. AT FIFTH AVE.
COMMUNICATIONS DIAGRAM

CITY OF COLUMBUS TRAFFIC SIGNAL SYSTEM
(CTSS) PHASE F – FINAL SUBMITTAL

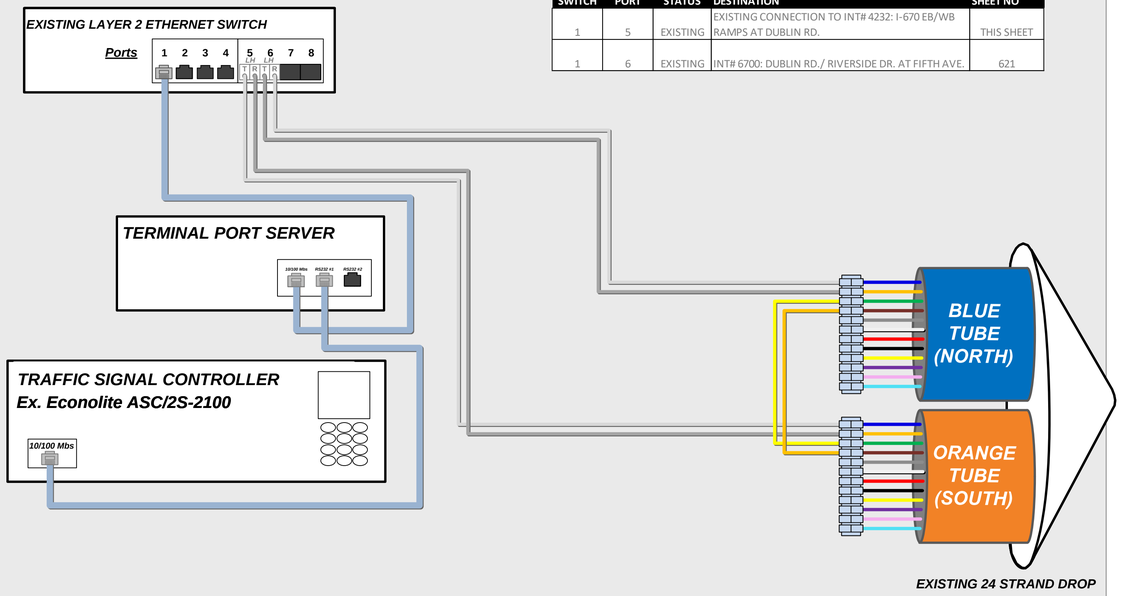
621
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TRAFFIC SIGNAL CABINET ASSEMBLY

SWITCH	PORT	STATUS	DESTINATION	SHEET NO
1	5	EXISTING	EXISTING CONNECTION TO INT# 4232: I-670 EB/WB RAMPS AT DUBLIN RD.	THIS SHEET
1	6	EXISTING	INT# 6700: DUBLIN RD./ RIVERSIDE DR. AT FIFTH AVE.	621

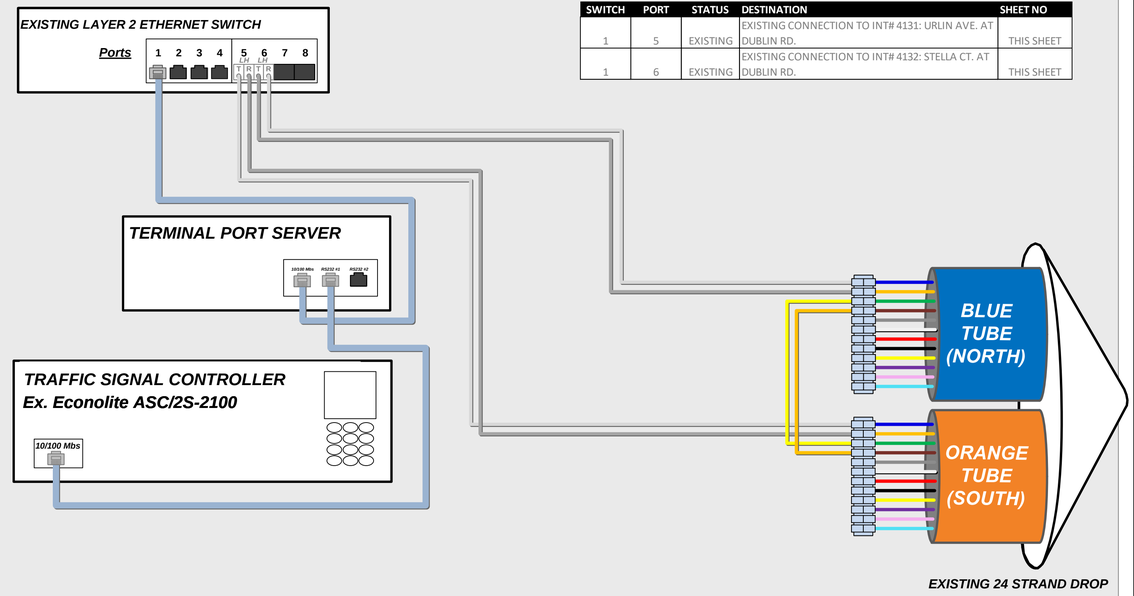


INTERSECTION 4132
STELLA CT. AT DUBLIN RD.
REFER TO SHEET 474 FOR COMM OVERVIEW DETAILS

EXISTING PATCH PANEL ENCLOSURE – 24 TERMINATION

TRAFFIC SIGNAL CABINET ASSEMBLY

SWITCH	PORT	STATUS	DESTINATION	SHEET NO
1	5	EXISTING	EXISTING CONNECTION TO INT# 4131: URLIN AVE. AT DUBLIN RD.	THIS SHEET
1	6	EXISTING	EXISTING CONNECTION TO INT# 4132: STELLA CT. AT DUBLIN RD.	THIS SHEET



INTERSECTION 4232
I-670 EB/WB RAMPS AT DUBLIN RD.
REFER TO SHEET 474 FOR COMM OVERVIEW DETAILS

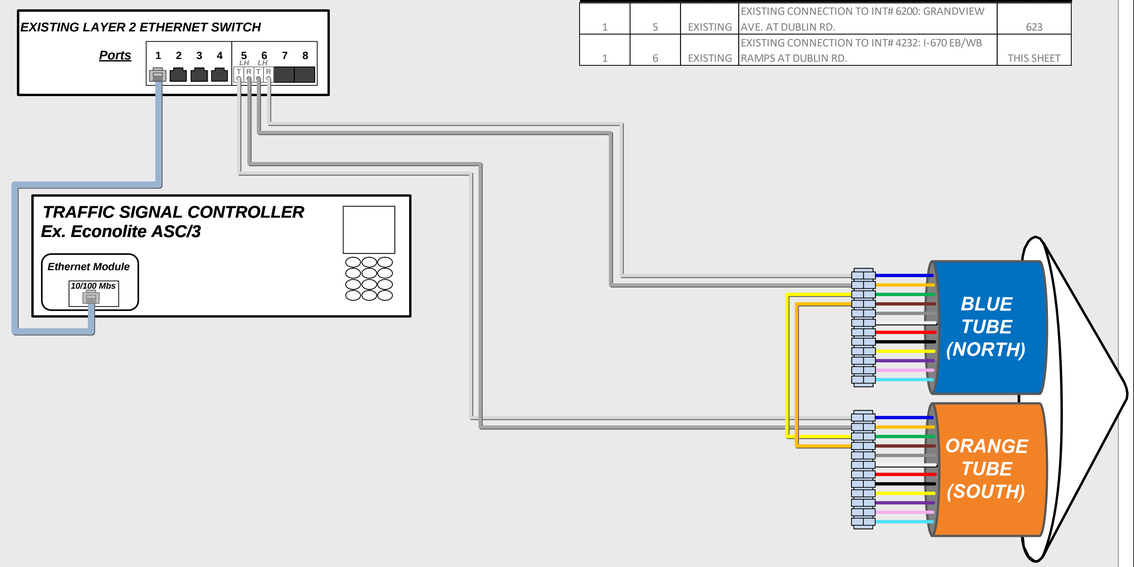
EXISTING PATCH PANEL ENCLOSURE – 24 TERMINATION

LEGEND

- FIBER PATCH CABLES T/R STANDARD
- FIBER PATCH CABLES R/T CROSSOVER
- EXISTING FIBER PATCH CABLES
- OUTDOOR CAT 5E CABLE
- INDOOR CAT 5E CABLE
- CAT 5E CABLE TO BE REMOVED
- TERMINATION PANEL UPC (Blue)/APC (Green)
- EXISTING/PROPOSED FIBER OR BUFFER TUBE LEFT COILED IN SPLICE ENCLOSURE
- FUSION SPLICE – 6 FIBERS/ SINGLE FIBER
- FUSION SPLICE – 12 FIBER BUFFER TUBE
- EXISTING FUSION SPLICE – 12 FIBER BUFFER TUBE
- INTERSECTION LOCATION
- GBIC OPTICAL TRANSCEIVER LH - SHORT HAUL LED ZX – LONG HAUL LASER
- SFP/COPPER/CAT5/5E/6 CONNECTOR
- COPPER/CAT5/5E/6 CONNECTOR
- 144 STRAND SMF
- 288 STRAND SMF
- WIRELESS ETHERNET RADIO

TRAFFIC SIGNAL CABINET ASSEMBLY

SWITCH	PORT	STATUS	DESTINATION	SHEET NO
1	5	EXISTING	EXISTING CONNECTION TO INT# 6200: GRANDVIEW AVE. AT DUBLIN RD.	623
1	6	EXISTING	EXISTING CONNECTION TO INT# 4232: I-670 EB/WB RAMPS AT DUBLIN RD.	THIS SHEET



INTERSECTION 4131
URLIN AVE. AT DUBLIN RD.
REFER TO SHEET 474 FOR COMM OVERVIEW DETAILS

EXISTING PATCH PANEL ENCLOSURE – 24 TERMINATION

CIP: 540007 - 100012
PID NUMBER: 99733

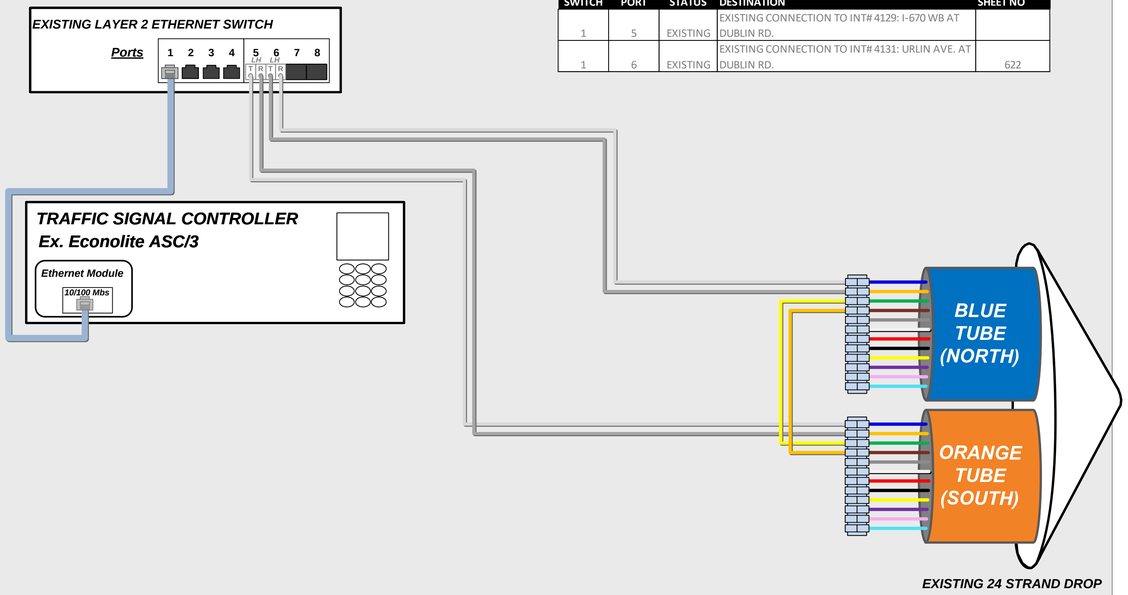
INTS 4132, 4232 AND 4131 PATCH PANELS
COMMUNICATIONS DIAGRAM

CITY OF COLUMBUS TRAFFIC SIGNAL SYSTEM
(CTSS) PHASE F – FINAL SUBMITTAL

622
768

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TRAFFIC SIGNAL CABINET ASSEMBLY



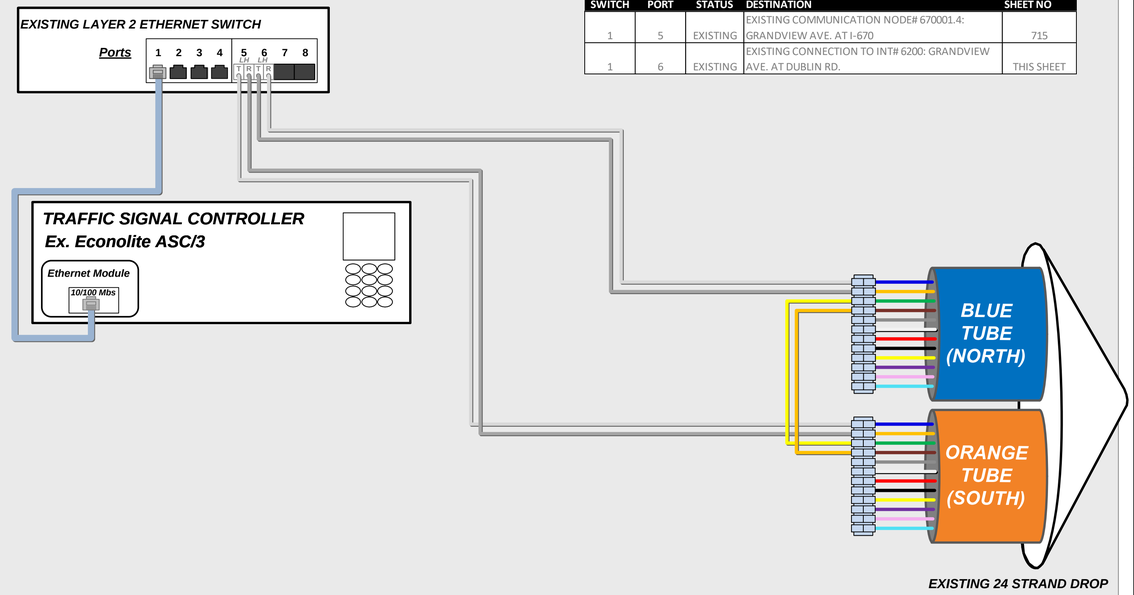
SWITCH	PORT	STATUS	DESTINATION	SHEET NO
1	5	EXISTING	EXISTING CONNECTION TO INT# 4129: I-670 WB AT DUBLIN RD.	
1	6	EXISTING	EXISTING CONNECTION TO INT# 4131: URLIN AVE. AT DUBLIN RD.	622

INTERSECTION 6200

GRANDVIEW AVE. AT DUBLIN RD.
REFER TO SHEET 474 FOR COMM OVERVIEW DETAILS

EXISTING PATCH PANEL ENCLOSURE – 24 TERMINATION

TRAFFIC SIGNAL CABINET ASSEMBLY



SWITCH	PORT	STATUS	DESTINATION	SHEET NO
1	5	EXISTING	EXISTING COMMUNICATION NODE# 670001.4: GRANDVIEW AVE. AT I-670	715
1	6	EXISTING	EXISTING CONNECTION TO INT# 6200: GRANDVIEW AVE. AT DUBLIN RD.	THIS SHEET

INTERSECTION 4129

I-670 WB AT DUBLIN RD.
REFER TO SHEET 474 FOR COMM OVERVIEW DETAILS

EXISTING PATCH PANEL ENCLOSURE – 24 TERMINATION

LEGEND

- FIBER PATCH CABLES T/R STANDARD
- FIBER PATCH CABLES R/T CROSSOVER
- EXISTING FIBER PATCH CABLES
- OUTDOOR CAT 5E CABLE
- INDOOR CAT 5E CABLE
- CAT 5E CABLE TO BE REMOVED
- TERMINATION PANEL UPC (Blue)/APC (Green)
- EXISTING/PROPOSED FIBER OR BUFFER TUBE LEFT COILED IN SPLICE ENCLOSURE
- FUSION SPLICE – 6 FIBERS/ SINGLE FIBER
- FUSION SPLICE – 12 FIBER BUFFER TUBE
- EXISTING FUSION SPLICE – 12 FIBER BUFFER TUBE
- INTERSECTION LOCATION
- GBIC OPTICAL TRANSCEIVER LH - SHORT HAUL LED ZX – LONG HAUL LASER
- SFP/COPPER/CAT5/5E/6 CONNECTOR
- COPPER/CAT5/5E/6 CONNECTOR
- 144 STRAND SMF
- 288 STRAND SMF
- WIRELESS ETHERNET RADIO

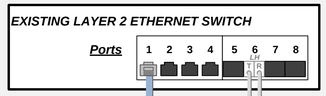
CIP: 540007 - 100012
PID NUMBER: 99733

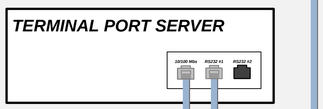
INTS 6200 AND 4129 PATCH PANELS
COMMUNICATIONS DIAGRAM

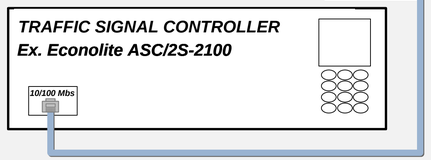
CITY OF COLUMBUS TRAFFIC SIGNAL SYSTEM
(CTSS) PHASE F – FINAL SUBMITTAL

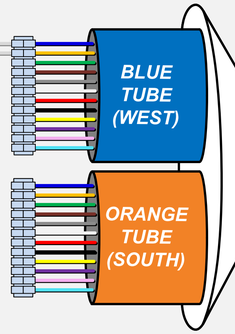
TRAFFIC SIGNAL CABINET ASSEMBLY

SWITCH	PORT	STATUS	DESTINATION	SHEET NO
1	6	EXISTING	EXISTING COMMUNICATION NODE# 270008.7: I-70 AT I-270	



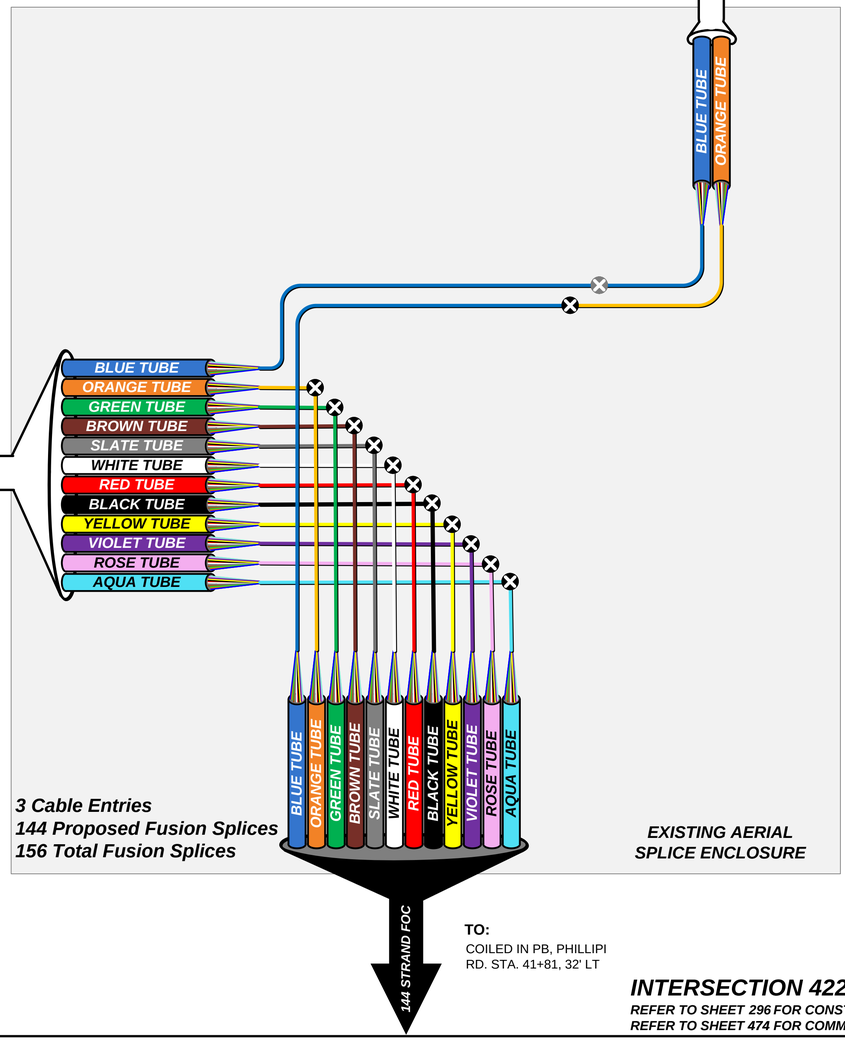






EXISTING PATCH PANEL ENCLOSURE – 24 TERMINATION

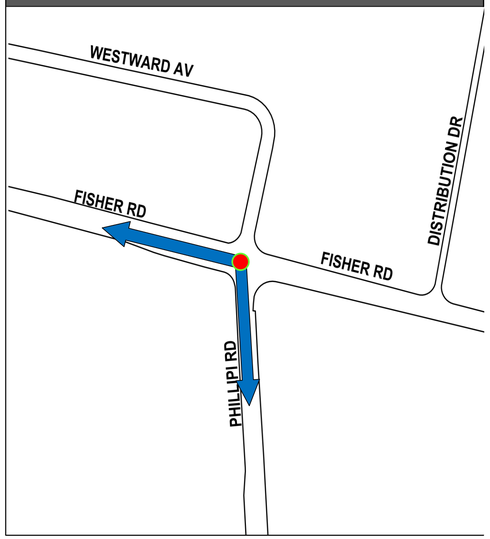
EXISTING 24 STRAND DROP



LEGEND

- FIBER PATCH CABLES T/R STANDARD
- FIBER PATCH CABLES R/T CROSSOVER
- EXISTING FIBER PATCH CABLES
- OUTDOOR CAT 5E CABLE
- INDOOR CAT 5E CABLE
- CAT 5E CABLE TO BE REMOVED
- TERMINATION PANEL UPC (Blue)/APC (Green)
- EXISTING/PROPOSED FIBER OR BUFFER TUBE LEFT COILED IN SPLICE ENCLOSURE
- FUSION SPLICE – 6 FIBERS/ SINGLE FIBER
- FUSION SPLICE – 12 FIBER BUFFER TUBE
- EXISTING FUSION SPLICE – 12 FIBER BUFFER TUBE
- INTERSECTION LOCATION
- GBIC OPTICAL TRANSCEIVER LH - SHORT HAUL LED ZX – LONG HAUL LASER
- SFP/COPPER/CAT5/5E/6 CONNECTOR
- COPPER/CAT5/5E/6 CONNECTOR
- 144 STRAND SMF
- 288 STRAND SMF
- WIRELESS ETHERNET RADIO

KEY PLAN



INTERSECTION 4223

REFER TO SHEET 296 FOR CONSTRUCTION PLAN DETAILS
REFER TO SHEET 474 FOR COMM OVERVIEW DETAILS

CIP: 540007 - 100012
PID NUMBER: 99733

INT# 4223: FISHER RD. AT PHILLIPI RD.
COMMUNICATIONS DIAGRAM

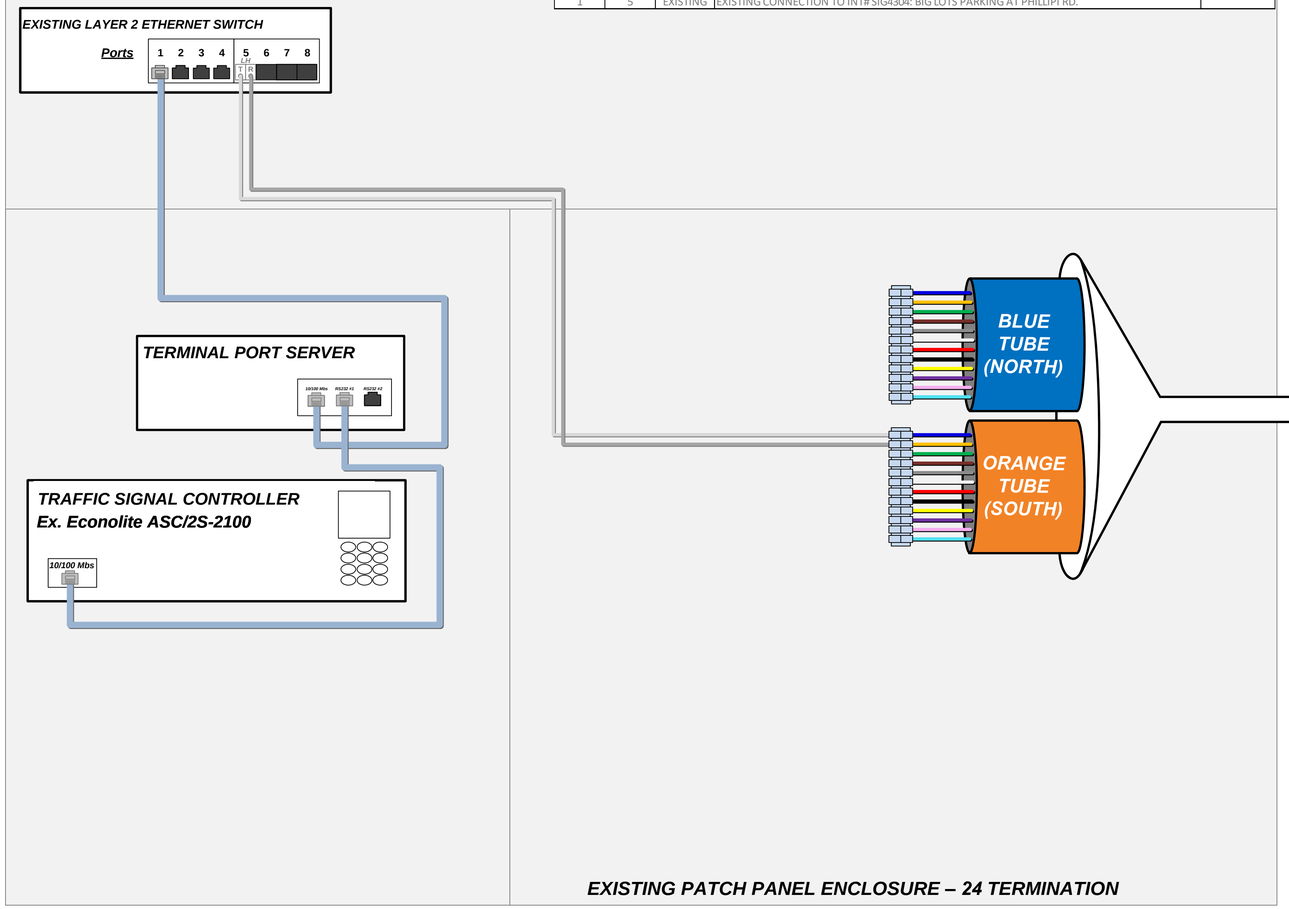
CITY OF COLUMBUS TRAFFIC SIGNAL SYSTEM
(CTSS) PHASE F – FINAL SUBMITTAL

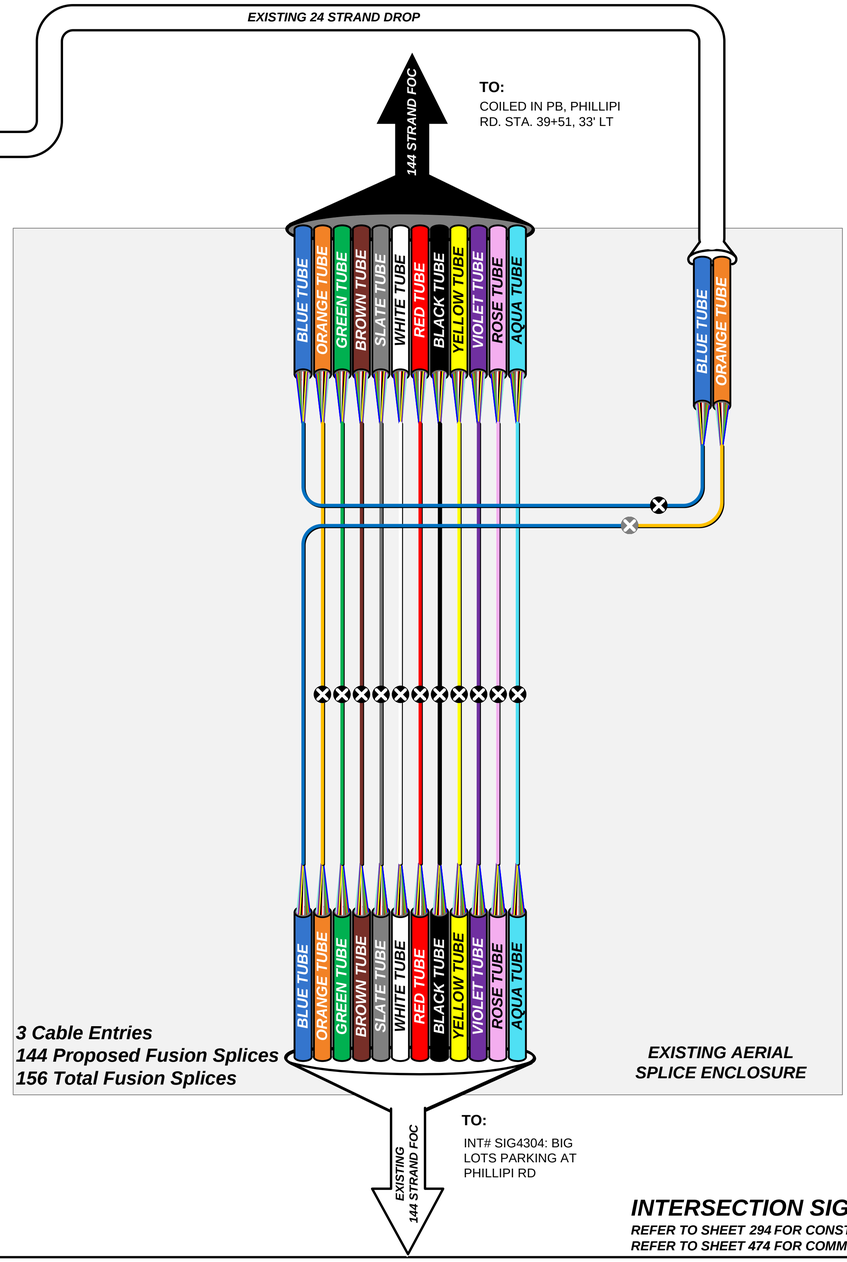
624
768

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TRAFFIC SIGNAL CABINET ASSEMBLY

SWITCH	PORT	STATUS	DESTINATION	SHEET NO
1	5	EXISTING	EXISTING CONNECTION TO INT# SIG4304: BIG LOTS PARKING AT PHILLIPI RD.	

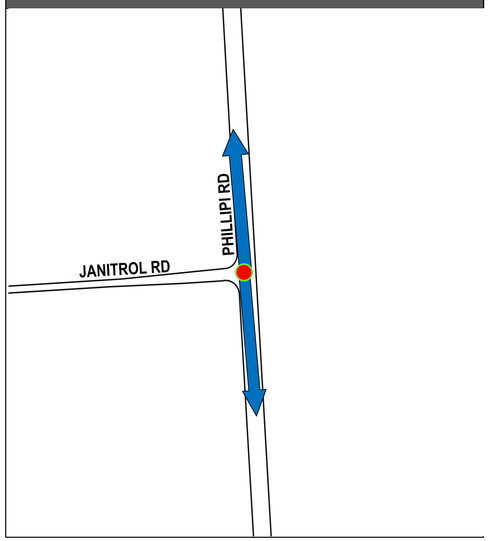




LEGEND

- FIBER PATCH CABLES T/R STANDARD
- FIBER PATCH CABLES R/T CROSSOVER
- EXISTING FIBER PATCH CABLES
- OUTDOOR CAT 5E CABLE
- INDOOR CAT 5E CABLE
- CAT 5E CABLE TO BE REMOVED
- TERMINATION PANEL UPC (Blue)/APC (Green)
- EXISTING/PROPOSED FIBER OR BUFFER TUBE LEFT COILED IN SPLICE ENCLOSURE
- FUSION SPLICE – 6 FIBERS/ SINGLE FIBER
- FUSION SPLICE – 12 FIBER BUFFER TUBE
- EXISTING FUSION SPLICE – 12 FIBER BUFFER TUBE
- INTERSECTION LOCATION
- GBIC OPTICAL TRANSCEIVER LH - SHORT HAUL LED ZX – LONG HAUL LASER
- SFP/COPPER/CAT5/5E/6 CONNECTOR
- COPPER/CAT5/5E/6 CONNECTOR
- 144 STRAND SMF
- 288 STRAND SMF
- WIRELESS ETHERNET RADIO

KEY PLAN



INTERSECTION SIG4335

REFER TO SHEET 294 FOR CONSTRUCTION PLAN DETAILS
REFER TO SHEET 474 FOR COMM OVERVIEW DETAILS

CIP: 540007 - 100012
PID NUMBER: 99733

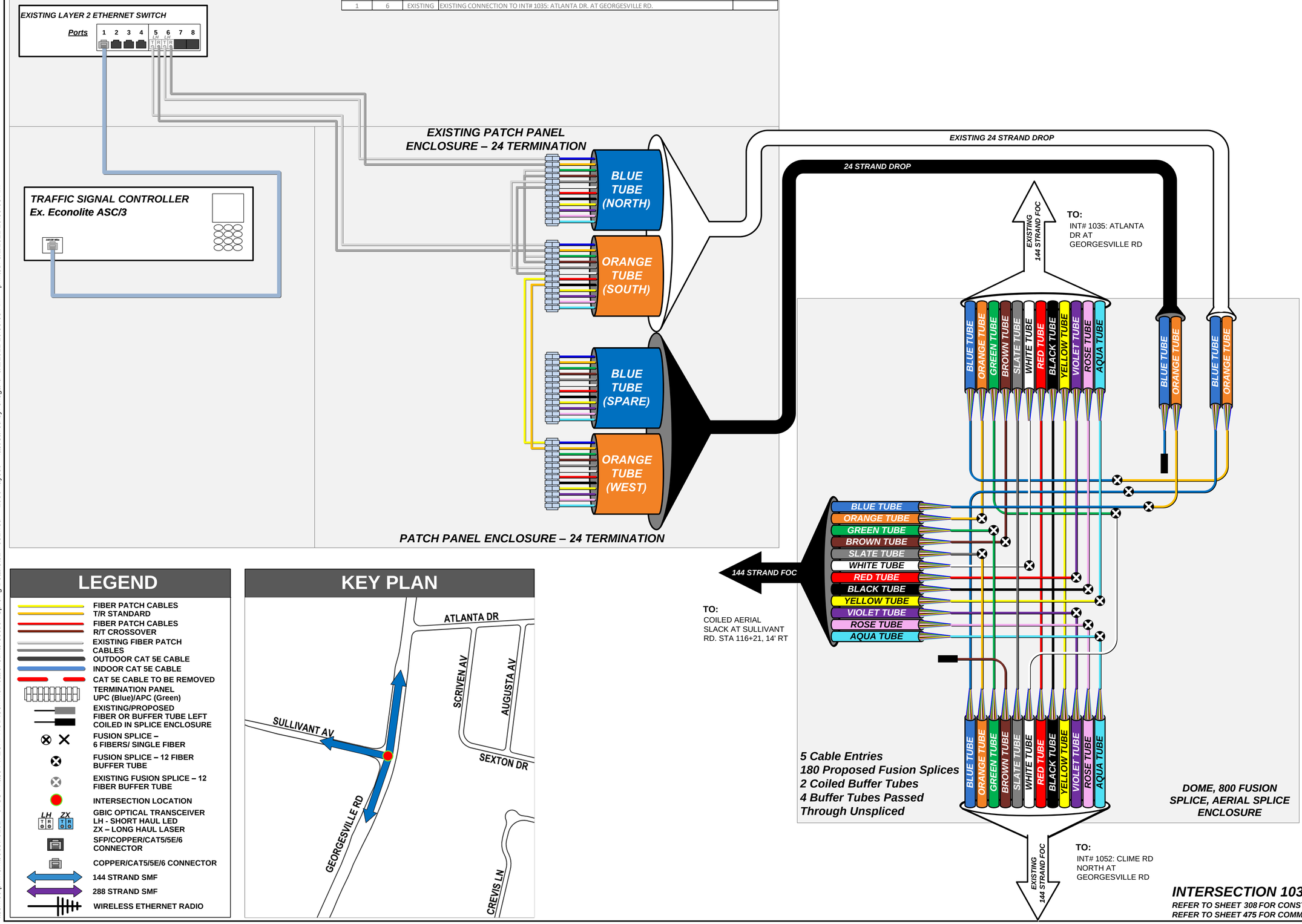
INT# SIG4335: JANITROL RD. AT PHILLIPI RD.
COMMUNICATIONS DIAGRAM

CITY OF COLUMBUS TRAFFIC SIGNAL SYSTEM
(CTSS) PHASE F – FINAL SUBMITTAL

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TRAFFIC SIGNAL CABINET ASSEMBLY

SWITCH	PORT	STATUS	DESTINATION	SHEET NO
1	5	EXISTING	EXISTING CONNECTION TO INT# 1052: CLIME RD NORTH AT GEORGESVILLE RD.	
1	6	EXISTING	EXISTING CONNECTION TO INT# 1035: ATLANTA DR. AT GEORGESVILLE RD.	



LEGEND

- FIBER PATCH CABLES T/R STANDARD
- FIBER PATCH CABLES R/T CROSSOVER
- EXISTING FIBER PATCH CABLES
- OUTDOOR CAT 5E CABLE
- INDOOR CAT 5E CABLE
- CAT 5E CABLE TO BE REMOVED
- TERMINATION PANEL UPC (Blue)/APC (Green)
- EXISTING/PROPOSED FIBER OR BUFFER TUBE LEFT COILED IN SPLICE ENCLOSURE
- FUSION SPLICE – 6 FIBERS/ SINGLE FIBER
- FUSION SPLICE – 12 FIBER BUFFER TUBE
- EXISTING FUSION SPLICE – 12 FIBER BUFFER TUBE
- INTERSECTION LOCATION
- GBIC OPTICAL TRANSCEIVER LH - SHORT HAUL LED ZX – LONG HAUL LASER
- SFP/COPPER/CAT5/5E/6 CONNECTOR
- COPPER/CAT5/5E/6 CONNECTOR
- 144 STRAND SMF
- 288 STRAND SMF
- WIRELESS ETHERNET RADIO

KEY PLAN

INTERSECTION 1036

REFER TO SHEET 308 FOR CONSTRUCTION PLAN DETAILS
REFER TO SHEET 475 FOR COMM OVERVIEW DETAILS

CIP: 540007 - 100012
PID NUMBER: 99733

INT# 1036: GEORGESVILLE RD. AT SULLIVANT AVE.
COMMUNICATIONS DIAGRAM

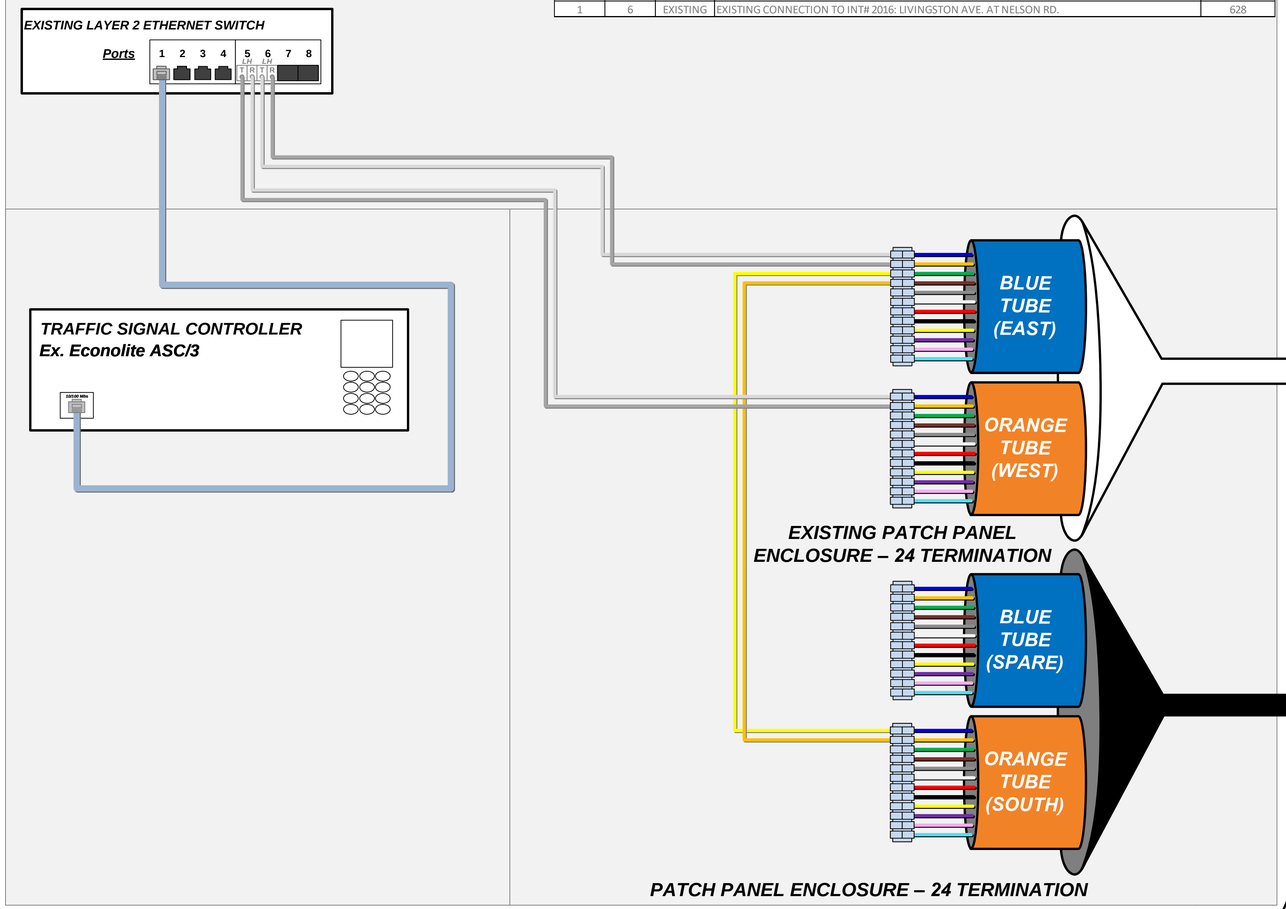
CITY OF COLUMBUS TRAFFIC SIGNAL SYSTEM
(CTSS) PHASE F – FINAL SUBMITTAL

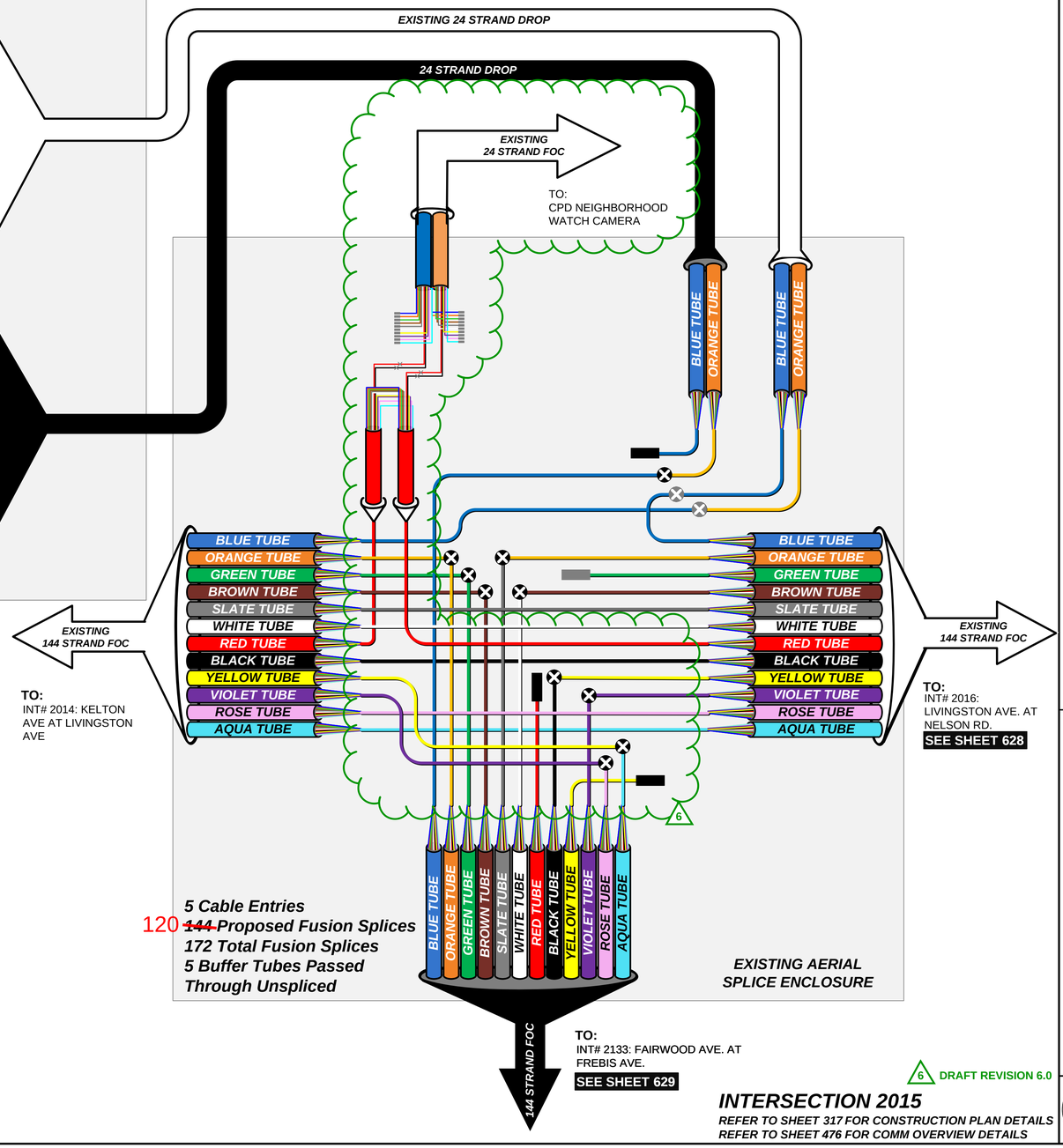
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TRAFFIC SIGNAL CABINET ASSEMBLY

SWITCH	PORT	STATUS	DESTINATION	SHEET NO
1	5	EXISTING	EXISTING CONNECTION TO INT# 2014: KELTON AVE. AT LIVINGSTON AVE.	
1	6	EXISTING	EXISTING CONNECTION TO INT# 2016: LIVINGSTON AVE. AT NELSON RD.	628

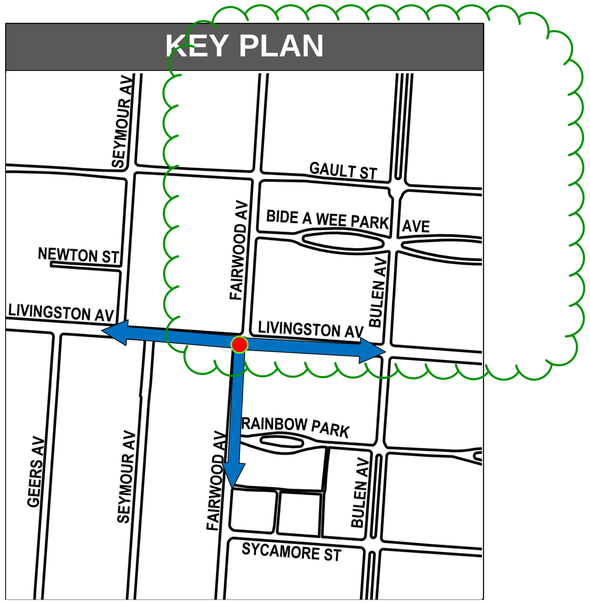




LEGEND

- FIBER PATCH CABLES T/R STANDARD
- FIBER PATCH CABLES R/T CROSSOVER
- EXISTING FIBER PATCH CABLES
- OUTDOOR CAT 5E CABLE
- INDOOR CAT 5E CABLE
- CAT 5E CABLE TO BE REMOVED
- TERMINATION PANEL UPC (Blue)/APC (Green)
- EXISTING/PROPOSED FIBER OR BUFFER TUBE LEFT COILED IN SPLICE ENCLOSURE
- FUSION SPLICE – 6 FIBERS/ SINGLE FIBER
- FUSION SPLICE – 12 FIBER BUFFER TUBE
- EXISTING FUSION SPLICE – 12 FIBER BUFFER TUBE
- INTERSECTION LOCATION
- GBIC OPTICAL TRANSCEIVER LH - SHORT HAUL LED ZX – LONG HAUL LASER
- SFP/COPPER/CAT5/5E/6 CONNECTOR
- COPPER/CAT5/5E/6 CONNECTOR
- 144 STRAND SMF
- 288 STRAND SMF
- WIRELESS ETHERNET RADIO

KEY PLAN



6 DRAFT REVISION 6.0

INTERSECTION 2015

REFER TO SHEET 317 FOR CONSTRUCTION PLAN DETAILS
REFER TO SHEET 476 FOR COMM OVERVIEW DETAILS

CIP: 540007 - 100012
PID NUMBER: 99733

INT# 2015: FAIRWOOD AVE. AT LIVINGSTON AVE.
COMMUNICATIONS DIAGRAM

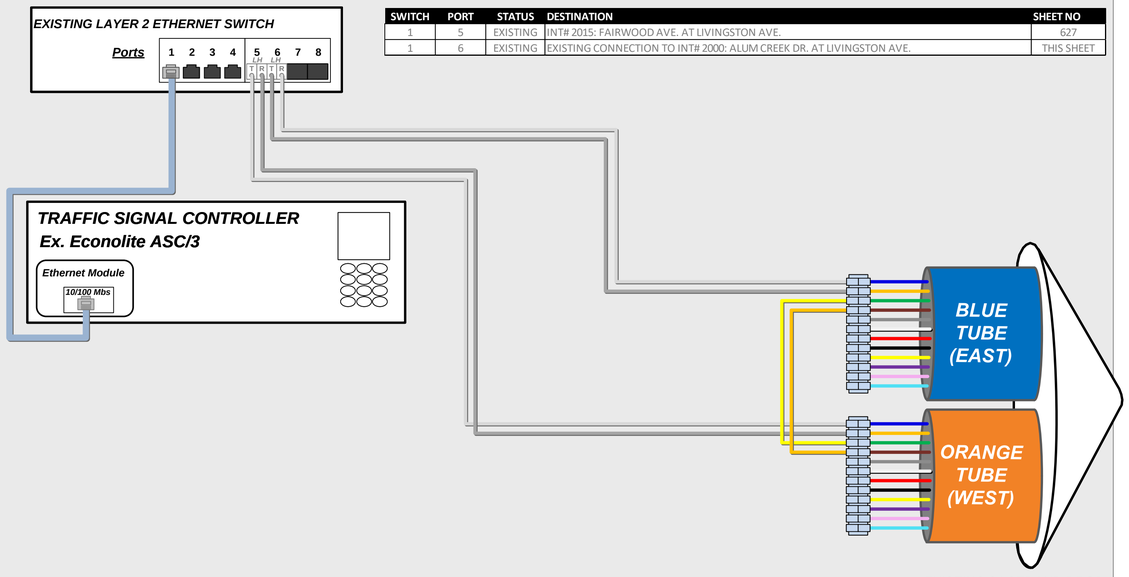
CITY OF COLUMBUS TRAFFIC SIGNAL SYSTEM
(CTSS) PHASE F – FINAL SUBMITTAL

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768

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TRAFFIC SIGNAL CABINET ASSEMBLY



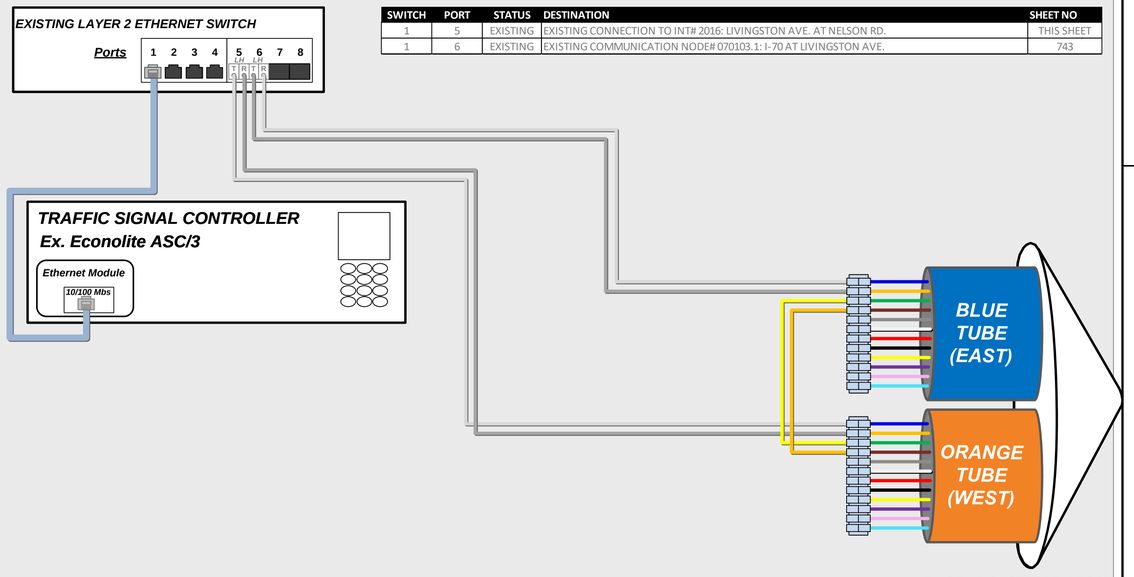
SWITCH	PORT	STATUS	DESTINATION	SHEET NO
1	5	EXISTING	INT# 2015: FAIRWOOD AVE. AT LIVINGSTON AVE.	627
1	6	EXISTING	EXISTING CONNECTION TO INT# 2000: ALUM CREEK DR. AT LIVINGSTON AVE.	THIS SHEET

INTERSECTION 2016

LIVINGSTON AVE. AT NELSON RD.
REFER TO SHEET 317 FOR CONSTRUCTION PLAN DETAILS
REFER TO SHEET 476 FOR COMM OVERVIEW DETAILS

EXISTING PATCH PANEL ENCLOSURE – 24 TERMINATION

TRAFFIC SIGNAL CABINET ASSEMBLY



SWITCH	PORT	STATUS	DESTINATION	SHEET NO
1	5	EXISTING	EXISTING CONNECTION TO INT# 2016: LIVINGSTON AVE. AT NELSON RD.	THIS SHEET
1	6	EXISTING	EXISTING COMMUNICATION NODE# 070103.1: I-70 AT LIVINGSTON AVE.	743

INTERSECTION 2000

ALUM CREEK DR. AT LIVINGSTON AVE.
REFER TO SHEET 317 FOR CONSTRUCTION PLAN DETAILS
REFER TO SHEET 476 FOR COMM OVERVIEW DETAILS

EXISTING PATCH PANEL ENCLOSURE – 24 TERMINATION

LEGEND

- FIBER PATCH CABLES T/R STANDARD
- FIBER PATCH CABLES R/T CROSSOVER
- EXISTING FIBER PATCH CABLES
- OUTDOOR CAT 5E CABLE
- INDOOR CAT 5E CABLE
- CAT 5E CABLE TO BE REMOVED
- TERMINATION PANEL UPC (Blue)/APC (Green)
- EXISTING/PROPOSED FIBER OR BUFFER TUBE LEFT COILED IN SPLICE ENCLOSURE
- FUSION SPLICE – 6 FIBERS/ SINGLE FIBER
- FUSION SPLICE – 12 FIBER BUFFER TUBE
- EXISTING FUSION SPLICE – 12 FIBER BUFFER TUBE
- INTERSECTION LOCATION
- GBIC OPTICAL TRANSCEIVER LH - SHORT HAUL LED ZX – LONG HAUL LASER
- SFP/COPPER/CAT5/5E/6 CONNECTOR
- COPPER/CAT5/5E/6 CONNECTOR
- 144 STRAND SMF
- 288 STRAND SMF
- WIRELESS ETHERNET RADIO

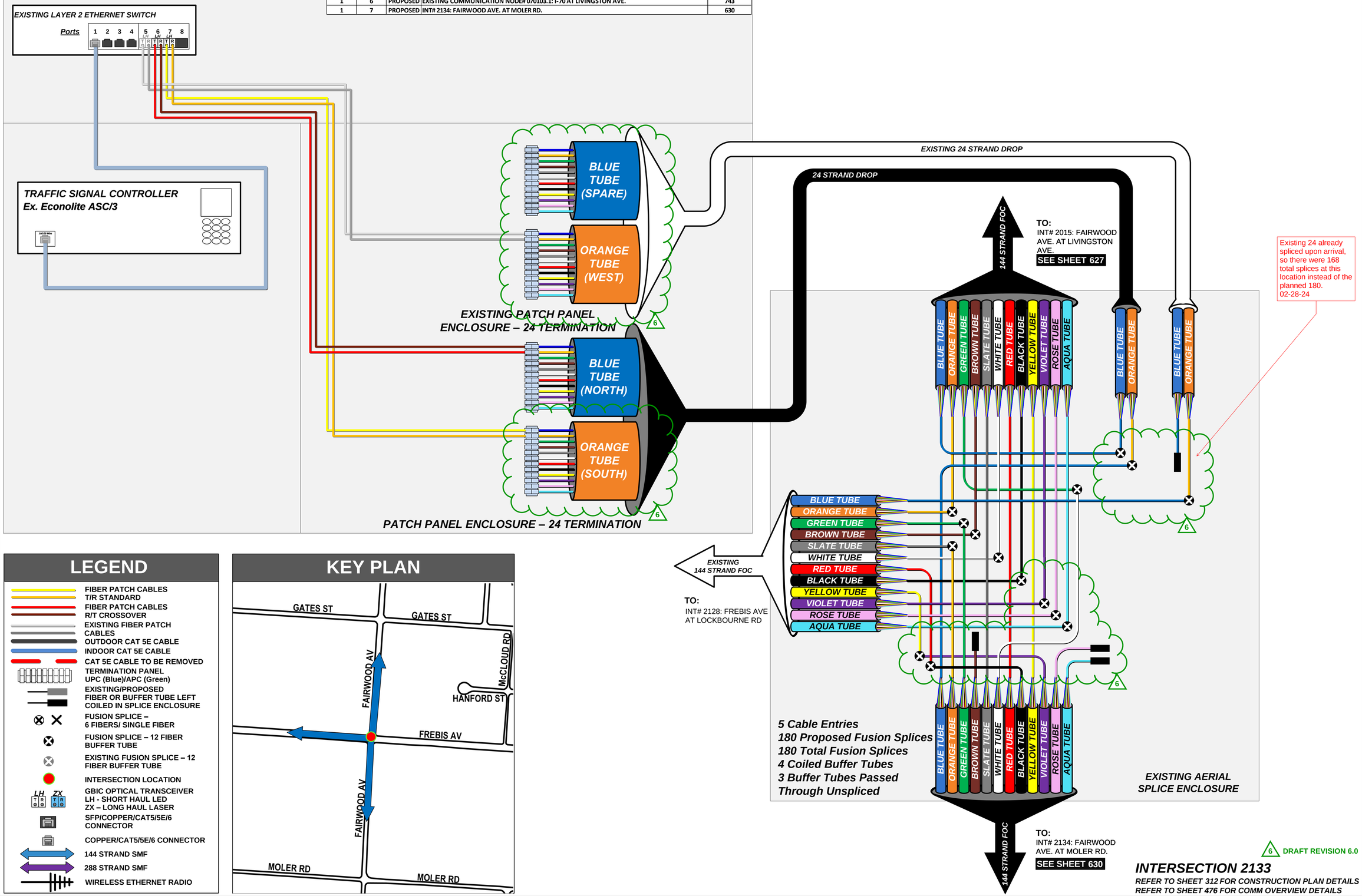
CIP: 540007 - 100012
PID NUMBER: 99733

INTS 2016 AND 2000 PATCH PANELS
COMMUNICATIONS DIAGRAM

CITY OF COLUMBUS TRAFFIC SIGNAL SYSTEM
(CTSS) PHASE F – FINAL SUBMITTAL

TRAFFIC SIGNAL CABINET ASSEMBLY

SWITCH	PORT	STATUS	DESTINATION	SHEET NO
1	5	EXISTING	EXISTING CONNECTION TO INT# 2128: FREBIS AVE. AT LOCKBOURNE RD.	
1	6	PROPOSED	EXISTING COMMUNICATION NODE# 070103.1: I-70 AT LIVINGSTON AVE.	743
1	7	PROPOSED	INT# 2134: FAIRWOOD AVE. AT MOLER RD.	630



LEGEND

- FIBER PATCH CABLES T/R STANDARD
- FIBER PATCH CABLES R/T CROSSOVER
- EXISTING FIBER PATCH CABLES
- OUTDOOR CAT 5E CABLE
- INDOOR CAT 5E CABLE
- CAT 5E CABLE TO BE REMOVED
- TERMINATION PANEL UPC (Blue)/APC (Green)
- EXISTING/PROPOSED FIBER OR BUFFER TUBE LEFT COILED IN SPLICE ENCLOSURE
- FUSION SPLICE – 6 FIBERS/ SINGLE FIBER
- FUSION SPLICE – 12 FIBER BUFFER TUBE
- EXISTING FUSION SPLICE – 12 FIBER BUFFER TUBE
- INTERSECTION LOCATION
- GBIC OPTICAL TRANSCEIVER LH - SHORT HAUL LED ZX – LONG HAUL LASER
- SFP/COPPER/CAT5/5E/6 CONNECTOR
- COPPER/CAT5/5E/6 CONNECTOR
- 144 STRAND SMF
- 288 STRAND SMF
- WIRELESS ETHERNET RADIO

KEY PLAN

6 DRAFT REVISION 6.0

INTERSECTION 2133

REFER TO SHEET 312 FOR CONSTRUCTION PLAN DETAILS
REFER TO SHEET 476 FOR COMM OVERVIEW DETAILS

CIP: 540007 - 100012
PID NUMBER: 99733

INT# 2133: FAIRWOOD AVE. AT FREBIS AVE.
COMMUNICATIONS DIAGRAM

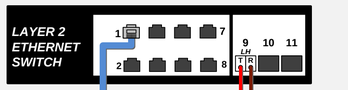
CITY OF COLUMBUS TRAFFIC SIGNAL SYSTEM
(CTSS) PHASE F – FINAL SUBMITTAL

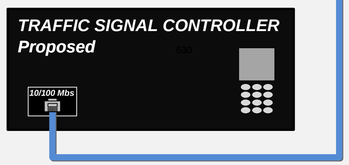
629
768

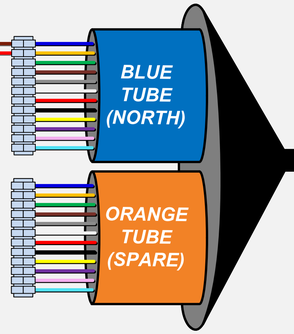
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TRAFFIC SIGNAL CABINET ASSEMBLY

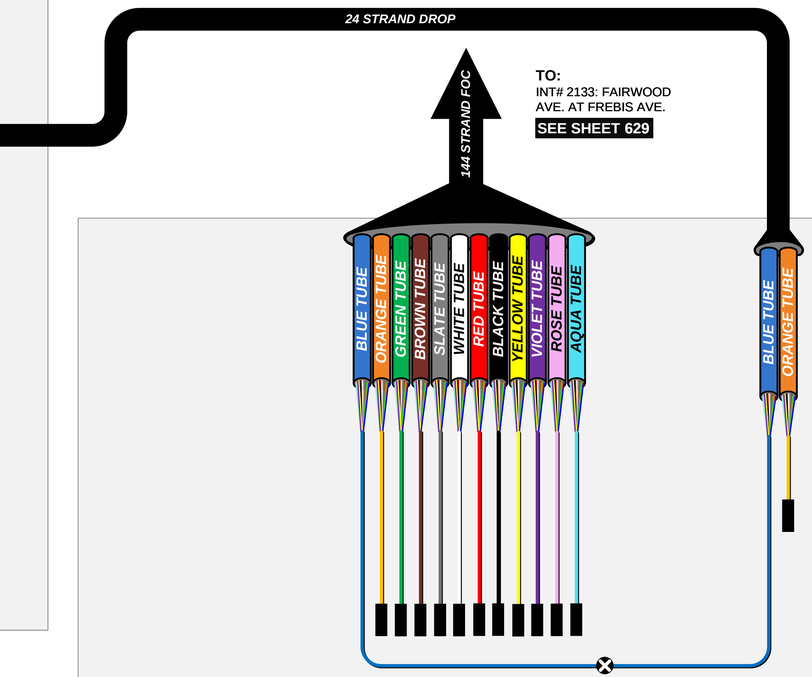
SWITCH	PORT	STATUS	DESTINATION	SHEET NO
1	9	PROPOSED	INT# 2133: FAIRWOOD AVE. AT FREBIS AVE.	629







PATCH PANEL ENCLOSURE – 24 TERMINATION



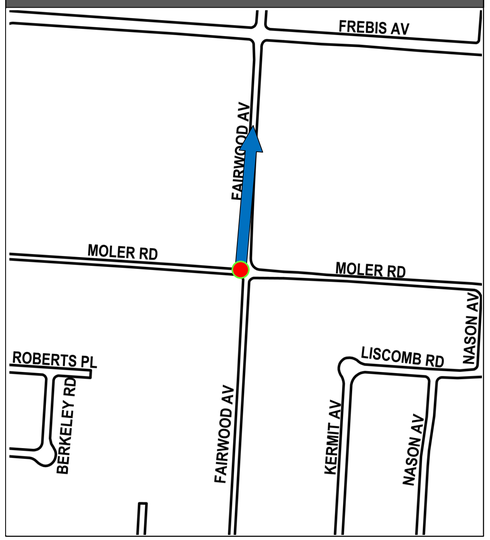
2 Cable Entries
12 Proposed Fusion Splices
12 Coiled Buffer Tubes

DOME, 288 FUSION SPLICE, AERIAL SPLICE ENCLOSURE

LEGEND

- FIBER PATCH CABLES T/R STANDARD
- FIBER PATCH CABLES R/T CROSSOVER
- EXISTING FIBER PATCH CABLES
- OUTDOOR CAT 5E CABLE
- INDOOR CAT 5E CABLE
- CAT 5E CABLE TO BE REMOVED
- TERMINATION PANEL UPC (Blue)/APC (Green)
- EXISTING/PROPOSED FIBER OR BUFFER TUBE LEFT COILED IN SPLICE ENCLOSURE
- FUSION SPLICE – 6 FIBERS/ SINGLE FIBER
- FUSION SPLICE – 12 FIBER BUFFER TUBE
- EXISTING FUSION SPLICE – 12 FIBER BUFFER TUBE
- INTERSECTION LOCATION
- GBIC OPTICAL TRANSCEIVER LH - SHORT HAUL LED ZX – LONG HAUL LASER
- SFP/COPPER/CAT5/5E/6 CONNECTOR
- COPPER/CAT5/5E/6 CONNECTOR
- 144 STRAND SMF
- 288 STRAND SMF
- WIRELESS ETHERNET RADIO

KEY PLAN



INTERSECTION 2134

REFER TO SHEET 311 FOR CONSTRUCTION PLAN DETAILS
REFER TO SHEET 476 FOR COMM OVERVIEW DETAILS

CIP: 540007 - 100012
PID NUMBER: 99733

INT# 2134: FAIRWOOD AVE. AT MOLER RD.
COMMUNICATIONS DIAGRAM

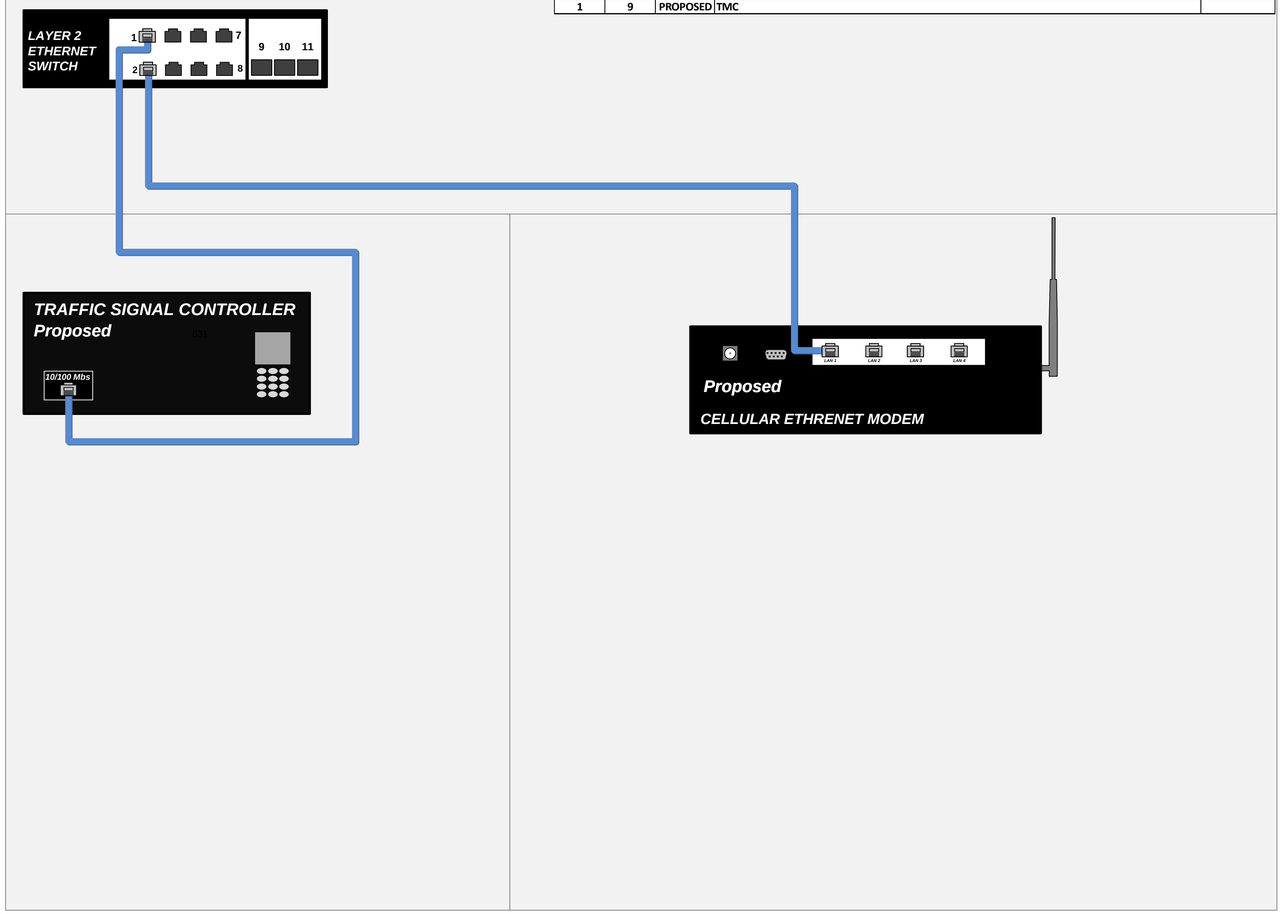
CITY OF COLUMBUS TRAFFIC SIGNAL SYSTEM
(CTSS) PHASE F – FINAL SUBMITTAL

630
768

\\colw00\pmwork\Jobs\70202 - CTSS Phase F\TECHPROD\Communications\Intersection Splicing Details\614-631.vsd - 2134 layout ~ last saved by: skoganti 6/1/2022 10:55:03 AM ~ printed: 6/1/2022 10:55:03 AM

\\colw00\pmwork\Jobs\70202 - CTSS Phase F\TECHPROD\Communications\Intersection Splicing Details\614-631.vsd - 2136 layout ~ last saved by: skoganti 6/1/2022 10:55:03 AM ~ printed: 6/1/2022 10:55:03 AM

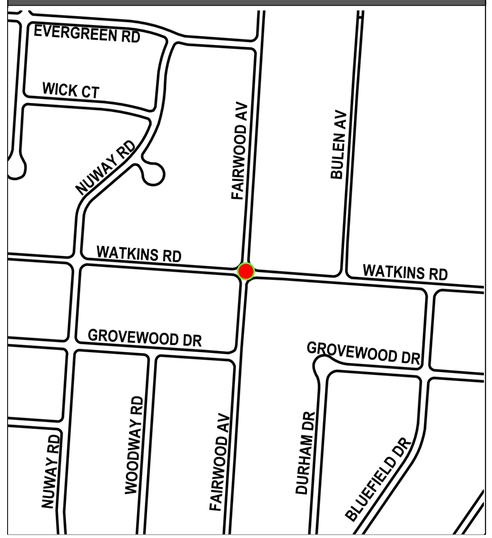
SWITCH	PORT	STATUS	DESTINATION	SHEET NO
1	9	PROPOSED	TMC	



LEGEND

- FIBER PATCH CABLES T/R STANDARD
- FIBER PATCH CABLES R/T CROSSOVER
- EXISTING FIBER PATCH CABLES
- OUTDOOR CAT 5E CABLE
- INDOOR CAT 5E CABLE
- CAT 5E CABLE TO BE REMOVED
- TERMINATION PANEL UPC (Blue)/APC (Green)
- EXISTING/PROPOSED FIBER OR BUFFER TUBE LEFT COILED IN SPLICE ENCLOSURE
- FUSION SPLICE – 6 FIBERS/ SINGLE FIBER
- FUSION SPLICE – 12 FIBER BUFFER TUBE
- EXISTING FUSION SPLICE – 12 FIBER BUFFER TUBE
- INTERSECTION LOCATION
- GBIC OPTICAL TRANSCEIVER LH - SHORT HAUL LED ZX – LONG HAUL LASER
- SFP/COPPER/CAT5/5E/6 CONNECTOR
- COPPER/CAT5/5E/6 CONNECTOR
- 144 STRAND SMF
- 288 STRAND SMF
- WIRELESS ETHERNET RADIO

KEY PLAN



INTERSECTION 2136

REFER TO SHEET 310 FOR CONSTRUCTION PLAN DETAILS
REFER TO SHEET 476 FOR COMM OVERVIEW DETAILS

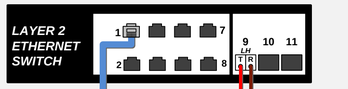
CIP: 540007 - 100012
PID NUMBER: 99733

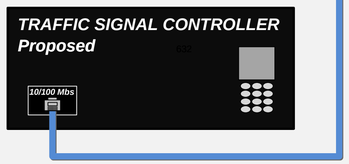
INT# 2136: FAIRWOOD AVE. AT WATKINS RD.
COMMUNICATIONS DIAGRAM

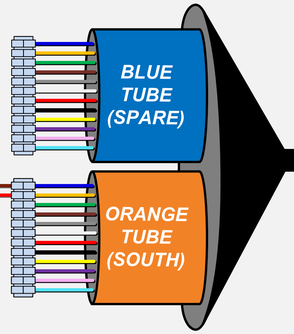
CITY OF COLUMBUS TRAFFIC SIGNAL SYSTEM
(CTSS) PHASE F – FINAL SUBMITTAL

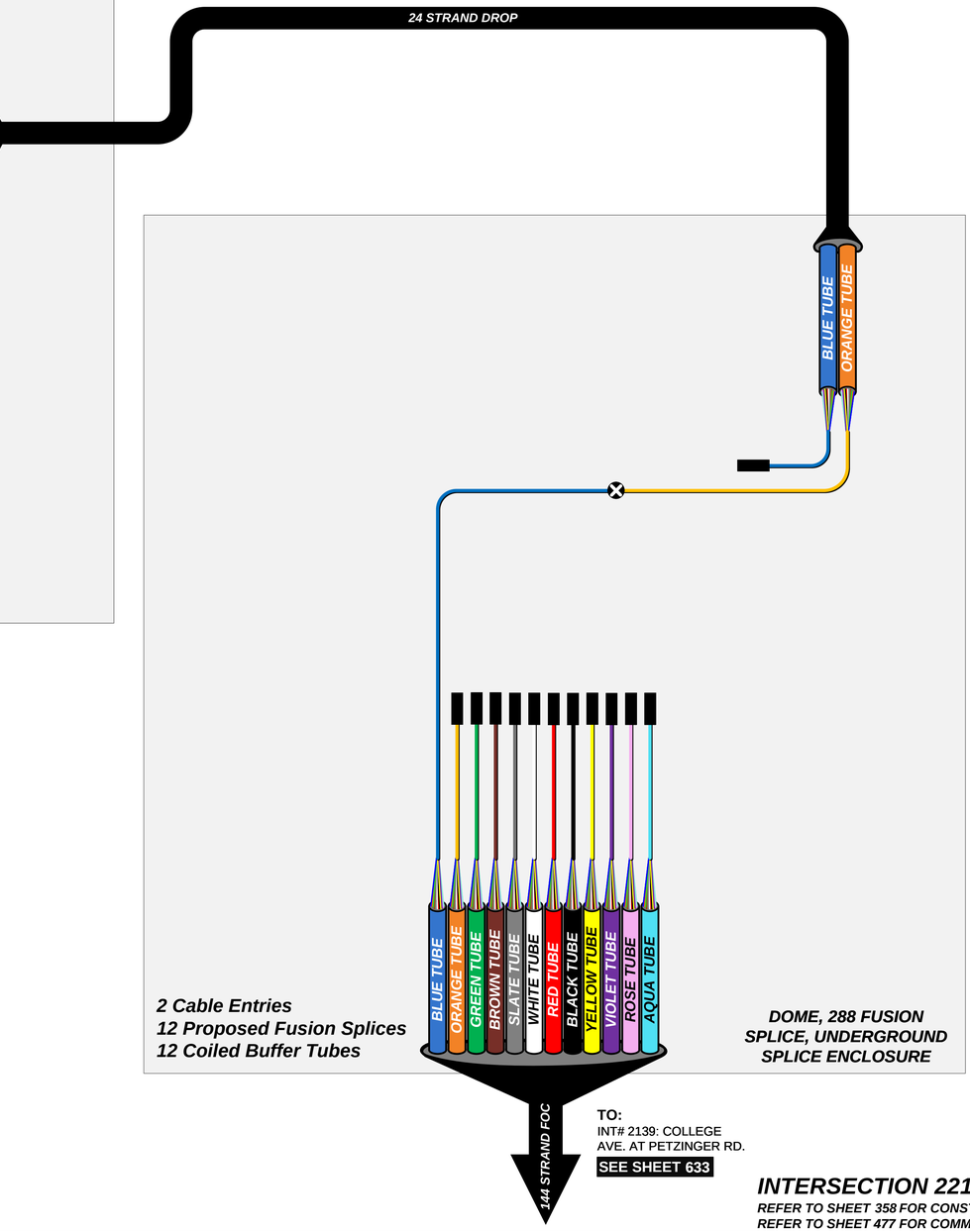
TRAFFIC SIGNAL CABINET ASSEMBLY

SWITCH	PORT	STATUS	DESTINATION	SHEET NO
1	9	PROPOSED	INT# 2139: COLLEGE AVE. AT PETZINGER RD.	633









PATCH PANEL ENCLOSURE – 24 TERMINATION

2 Cable Entries
12 Proposed Fusion Splices
12 Coiled Buffer Tubes

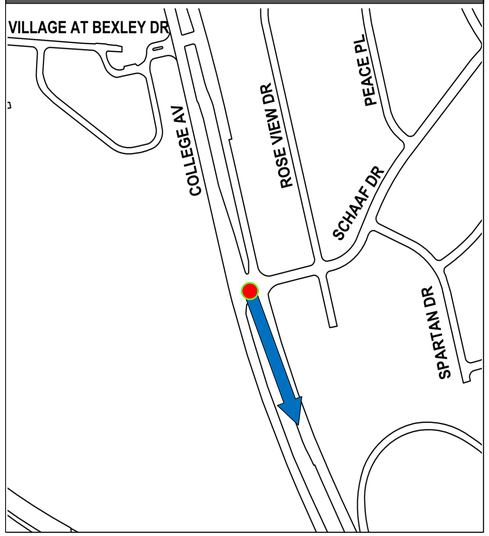
DOME, 288 FUSION SPLICE, UNDERGROUND SPLICE ENCLOSURE

TO:
INT# 2139: COLLEGE AVE. AT PETZINGER RD.
SEE SHEET 633

LEGEND

- FIBER PATCH CABLES T/R STANDARD
- FIBER PATCH CABLES R/T CROSSOVER
- EXISTING FIBER PATCH CABLES
- OUTDOOR CAT 5E CABLE
- INDOOR CAT 5E CABLE
- CAT 5E CABLE TO BE REMOVED
- TERMINATION PANEL UPC (Blue)/APC (Green)
- EXISTING/PROPOSED FIBER OR BUFFER TUBE LEFT COILED IN SPLICE ENCLOSURE
- FUSION SPLICE – 6 FIBERS/ SINGLE FIBER
- FUSION SPLICE – 12 FIBER BUFFER TUBE
- EXISTING FUSION SPLICE – 12 FIBER BUFFER TUBE
- INTERSECTION LOCATION
- GBIC OPTICAL TRANSCEIVER LH - SHORT HAUL LED ZX – LONG HAUL LASER
- SFP/COPPER/CAT5/5E/6 CONNECTOR
- COPPER/CAT5/5E/6 CONNECTOR
- 144 STRAND SMF
- 288 STRAND SMF
- WIRELESS ETHERNET RADIO

KEY PLAN



INTERSECTION 2211

REFER TO SHEET 358 FOR CONSTRUCTION PLAN DETAILS
REFER TO SHEET 477 FOR COMM OVERVIEW DETAILS

CIP: 540007 - 100012
PID NUMBER: 99733

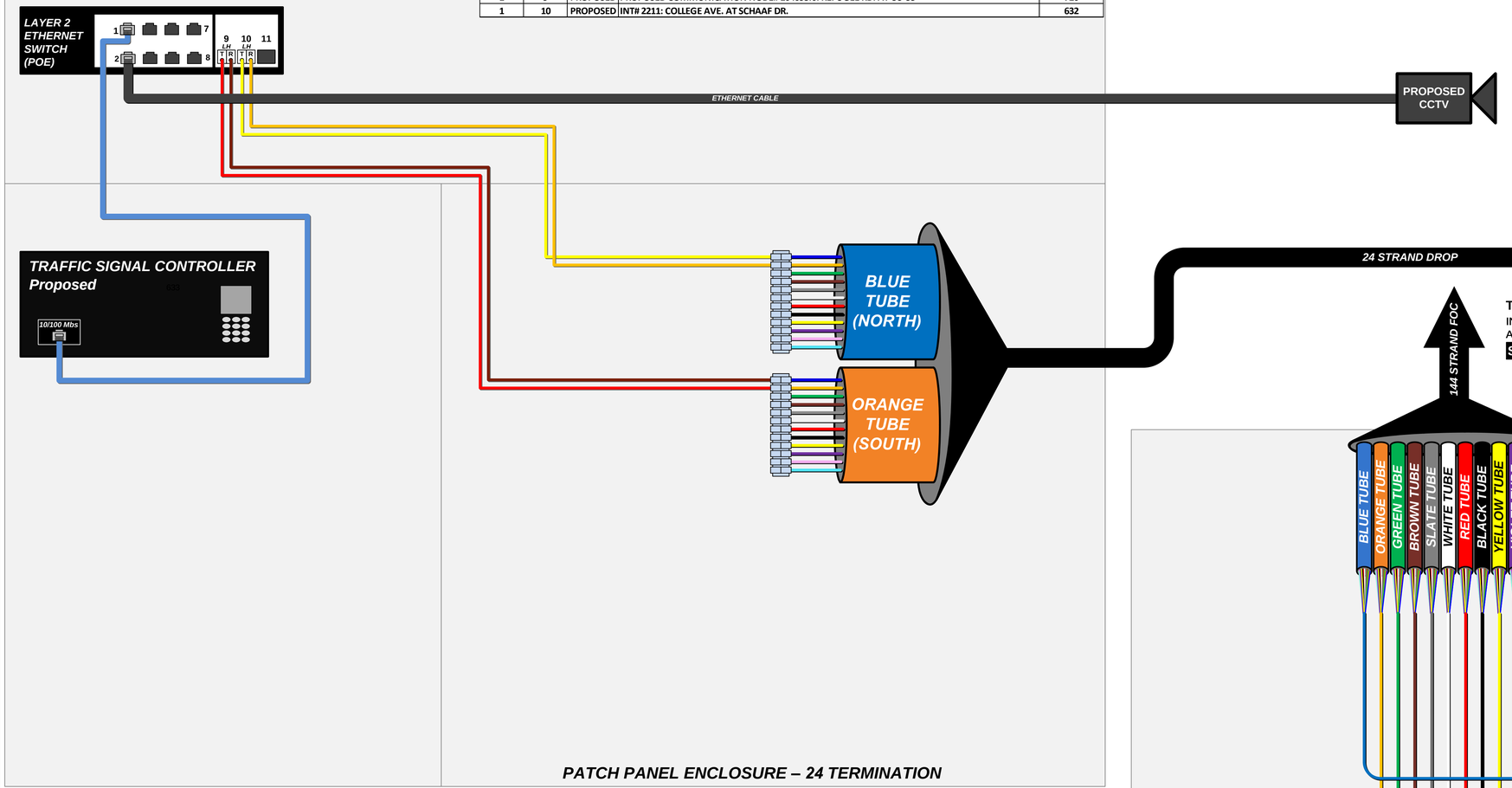
INT# 2211: COLLEGE AVE. AT SCHAAF DR.
COMMUNICATIONS DIAGRAM

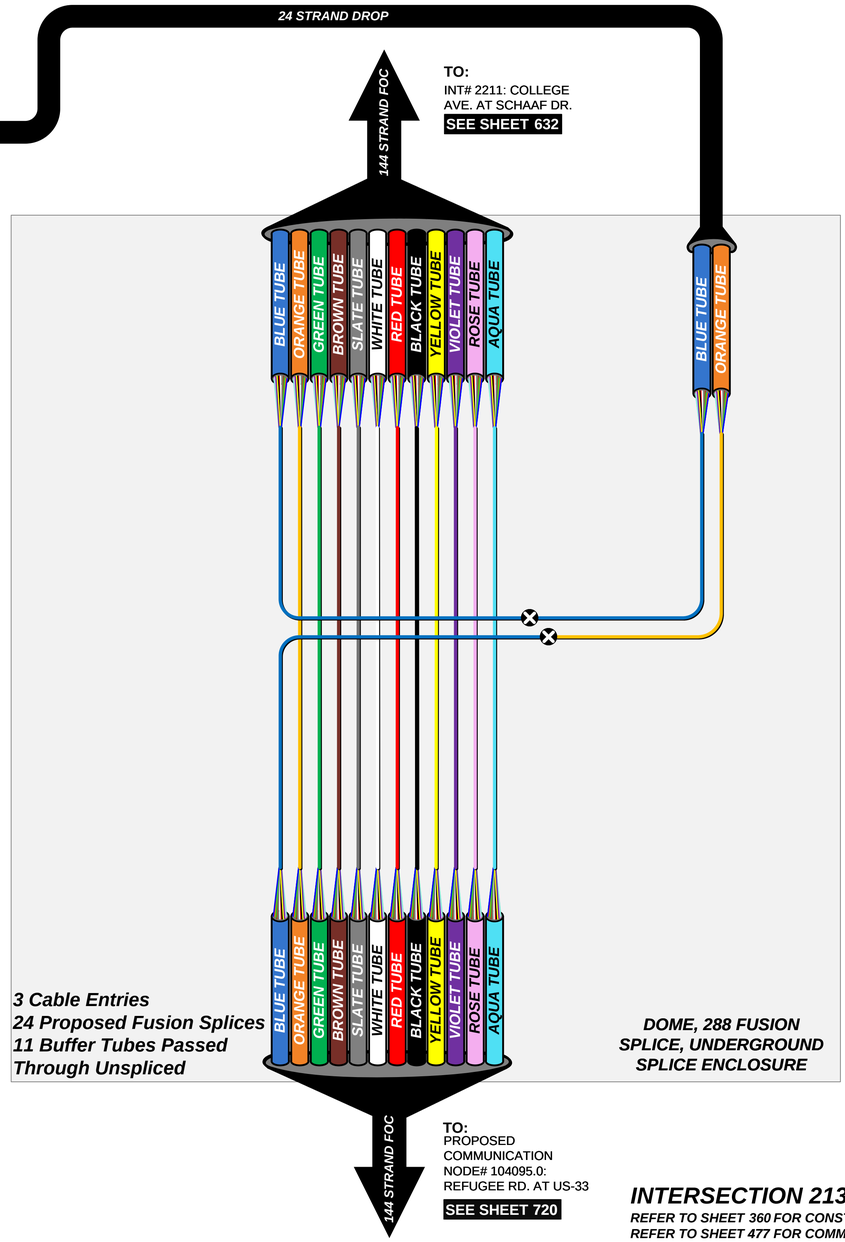
CITY OF COLUMBUS TRAFFIC SIGNAL SYSTEM
(CTSS) PHASE F – FINAL SUBMITTAL

\\colw00\pmwork\Jobs\70202 - CTSS Phase F\TECHPROD\Communications\Intersection Splicing Details\632-644.vsd - 2211 layout ~ last saved by: skoganti 6/1/2022 10:57:45 AM ~ printed: 6/1/2022 10:57:45 AM

TRAFFIC SIGNAL CABINET ASSEMBLY

SWITCH	PORT	STATUS	DESTINATION	SHEET NO
1	9	PROPOSED	PROPOSED COMMUNICATION NODE# 104095.0: REFUGEE RD. AT US-33	720
1	10	PROPOSED	INT# 2211: COLLEGE AVE. AT SCHAAF DR.	632

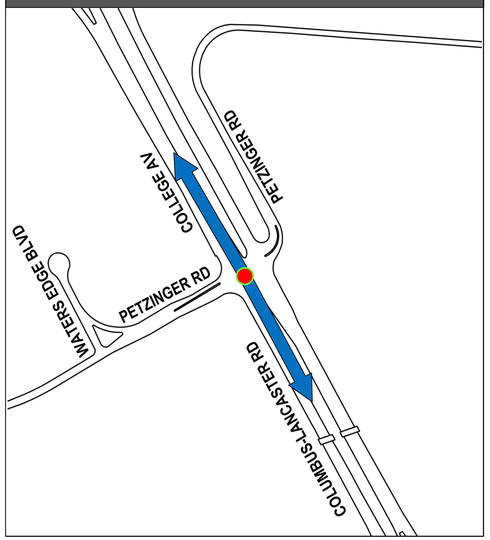




LEGEND

- FIBER PATCH CABLES T/R STANDARD
- FIBER PATCH CABLES R/T CROSSOVER
- EXISTING FIBER PATCH CABLES
- OUTDOOR CAT 5E CABLE
- INDOOR CAT 5E CABLE
- CAT 5E CABLE TO BE REMOVED
- TERMINATION PANEL UPC (Blue)/APC (Green)
- EXISTING/PROPOSED FIBER OR BUFFER TUBE LEFT COILED IN SPLICE ENCLOSURE
- FUSION SPLICE – 6 FIBERS/ SINGLE FIBER
- FUSION SPLICE – 12 FIBER BUFFER TUBE
- EXISTING FUSION SPLICE – 12 FIBER BUFFER TUBE
- INTERSECTION LOCATION
- GBIC OPTICAL TRANSCEIVER LH - SHORT HAUL LED ZX – LONG HAUL LASER
- SFP/COPPER/CAT5/5E/6 CONNECTOR
- COPPER/CAT5/5E/6 CONNECTOR
- 144 STRAND SMF
- 288 STRAND SMF
- WIRELESS ETHERNET RADIO

KEY PLAN



INTERSECTION 2139

REFER TO SHEET 360 FOR CONSTRUCTION PLAN DETAILS
REFER TO SHEET 477 FOR COMM OVERVIEW DETAILS

CIP: 540007 - 100012
PID NUMBER: 99733

INT# 2139: COLLEGE AVE. AT PETZINGER RD.
COMMUNICATIONS DIAGRAM

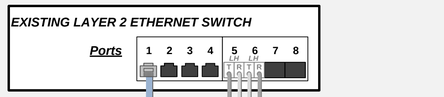
CITY OF COLUMBUS TRAFFIC SIGNAL SYSTEM
(CTSS) PHASE F – FINAL SUBMITTAL

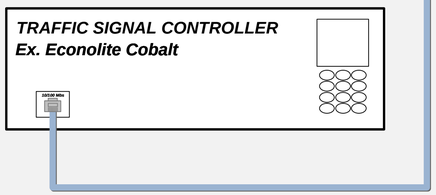
633
768

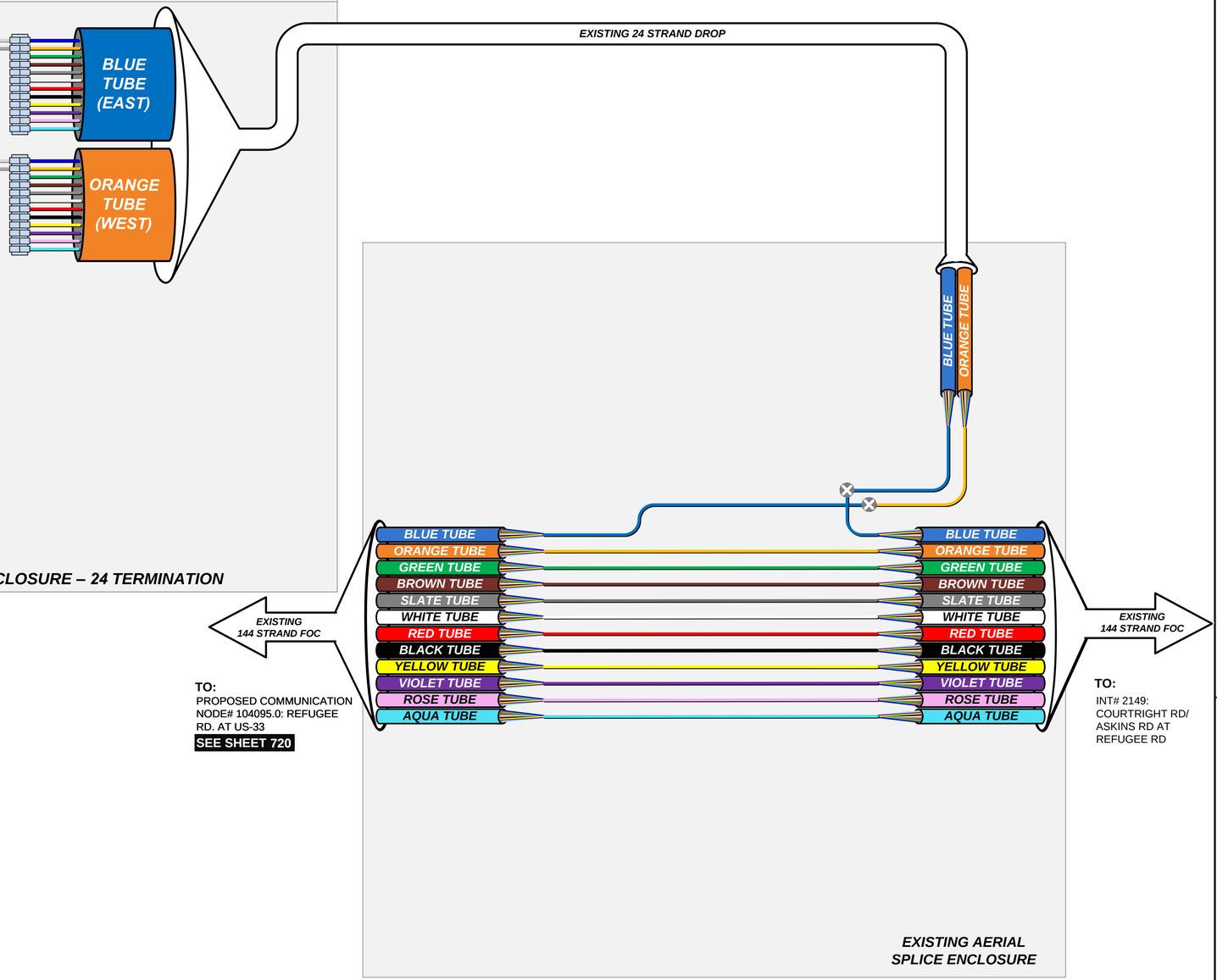
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TRAFFIC SIGNAL CABINET ASSEMBLY

SWITCH	PORT	STATUS	DESTINATION	SHEET NO
1	5	EXISTING	INT# 2184: SR-104/ REFUGEE RD. AT US-33 RAMPS	635
1	6	EXISTING	EXISTING CONNECTION TO INT# 2149: COURTRIGHT RD./ASKINS RD. AT REFUGEE RD.	





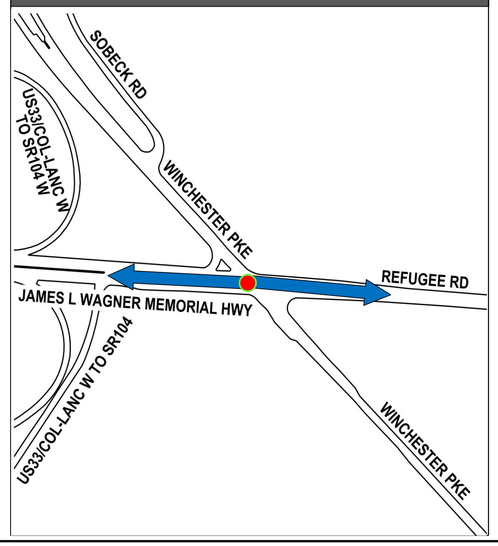


EXISTING PATCH PANEL ENCLOSURE – 24 TERMINATION

LEGEND

- FIBER PATCH CABLES T/R STANDARD
- FIBER PATCH CABLES R/T CROSSOVER
- EXISTING FIBER PATCH CABLES
- OUTDOOR CAT 5E CABLE
- INDOOR CAT 5E CABLE
- CAT 5E CABLE TO BE REMOVED
- TERMINATION PANEL UPC (Blue)/APC (Green)
- EXISTING/PROPOSED FIBER OR BUFFER TUBE LEFT COILED IN SPLICE ENCLOSURE
- FUSION SPLICE – 6 FIBERS/ SINGLE FIBER
- FUSION SPLICE – 12 FIBER BUFFER TUBE
- EXISTING FUSION SPLICE – 12 FIBER BUFFER TUBE
- INTERSECTION LOCATION
- LH ZX GBIC OPTICAL TRANSCEIVER LH - SHORT HAUL LED ZX – LONG HAUL LASER
- SFP/COPPER/CAT5/5E/6 CONNECTOR
- COPPER/CAT5/5E/6 CONNECTOR
- 144 STRAND SMF
- 288 STRAND SMF
- WIRELESS ETHERNET RADIO

KEY PLAN



NOTE:
NO PROPOSED WORK SHOWN ON THIS SHEET. SHEET SHOWN FOR REVISED PORT DESTINATION

INTERSECTION 2140

REFER TO SHEET 477 FOR COMM OVERVIEW DETAILS

CIP: 540007 - 100012
PID NUMBER: 99733

INT# 2140: REFUGEE RD. AT WINCHESTER PKE.
COMMUNICATIONS DIAGRAM

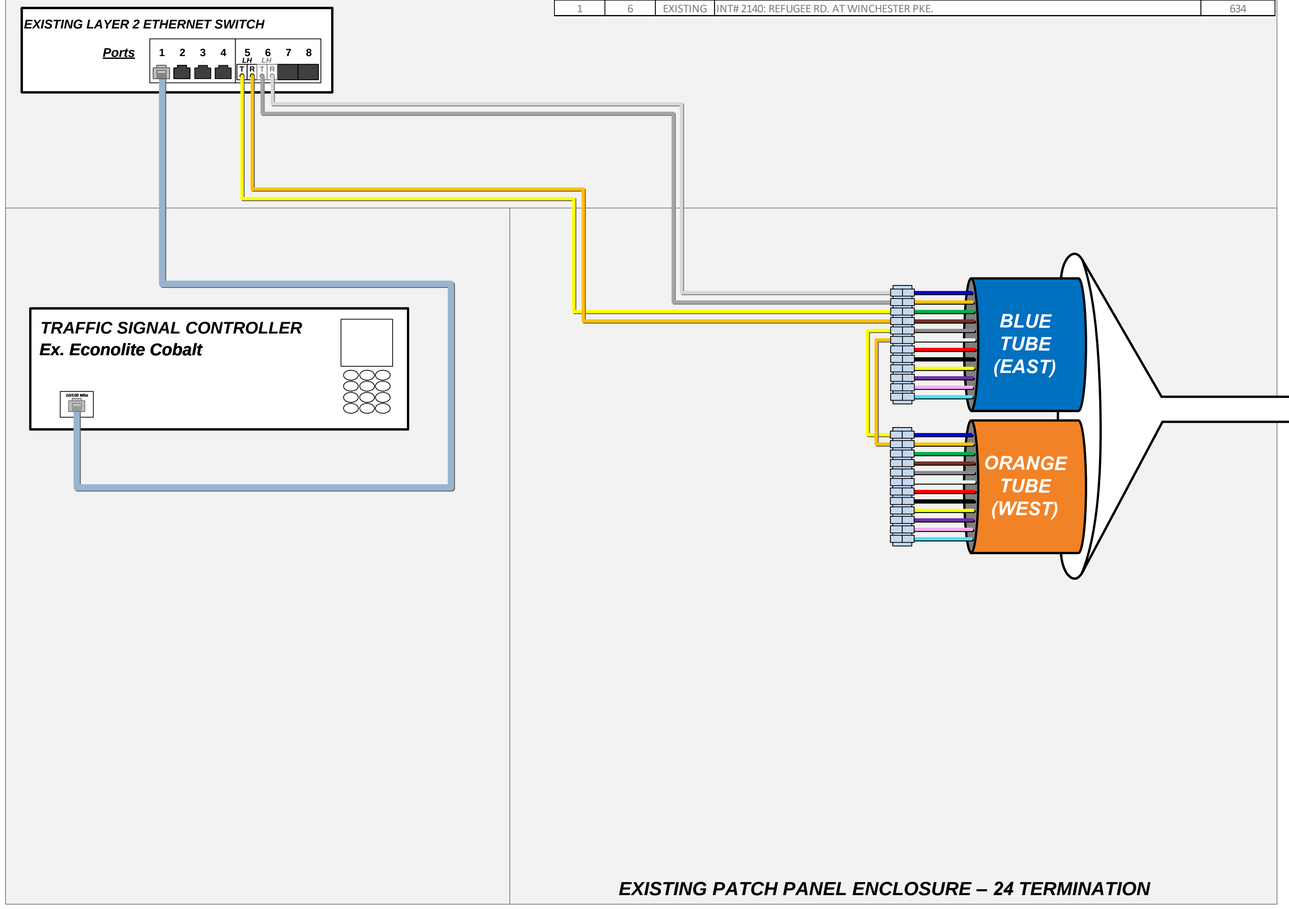
CITY OF COLUMBUS TRAFFIC SIGNAL SYSTEM
(CTSS) PHASE F – FINAL SUBMITTAL

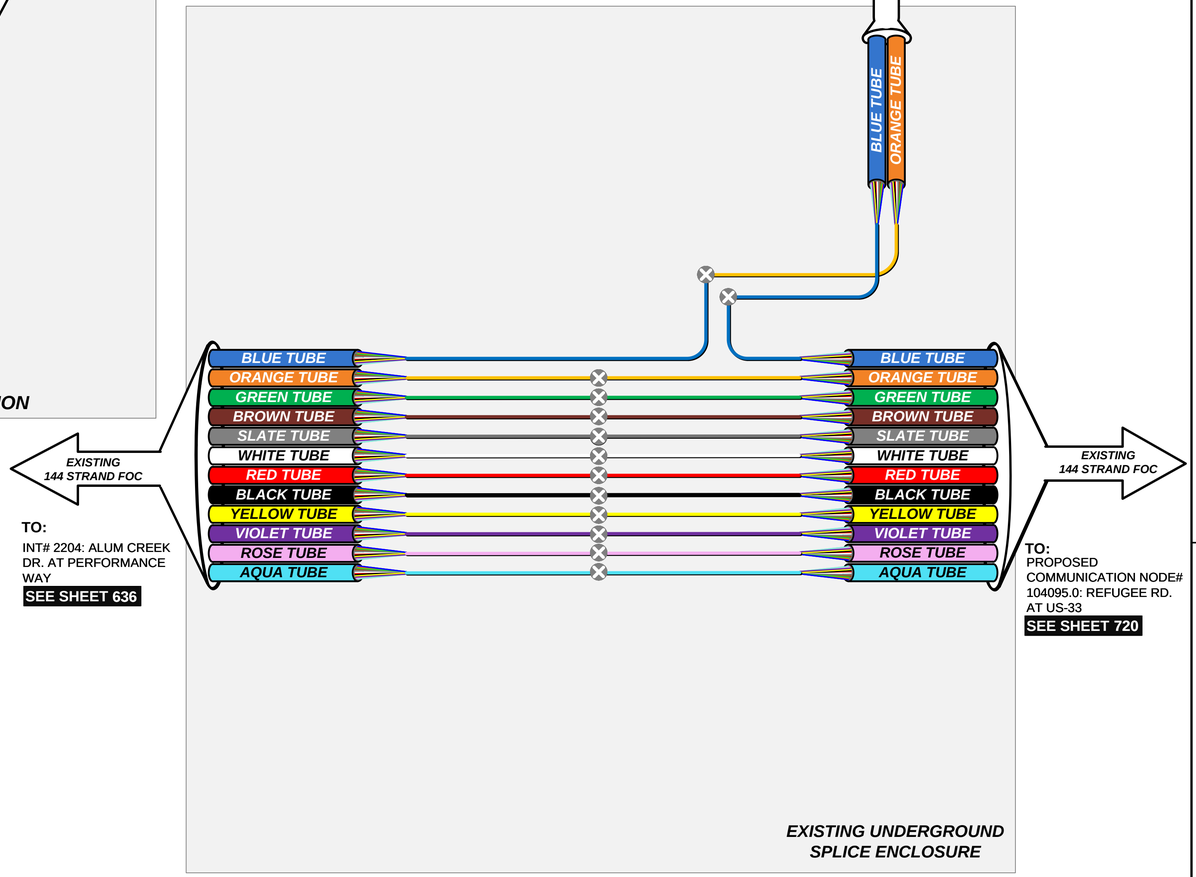
634
768

\\colw00\pmwork\Jobs\70202 - CTSS Phase F\TECHPROD\Communications\Intersection Splicing Details\632-644.vsd - 2140 layout ~ last saved by: skoganti 6/1/2022 10:57:45 AM ~ printed: 6/1/2022 10:57:45 AM

TRAFFIC SIGNAL CABINET ASSEMBLY

SWITCH	PORT	STATUS	DESTINATION	SHEET NO
1	5	PROPOSED	PROPOSED COMMUNICATION NODE# 104095.0: REFUGEE RD. AT US-33	720
1	6	EXISTING	INT# 2140: REFUGEE RD. AT WINCHESTER PKE.	634

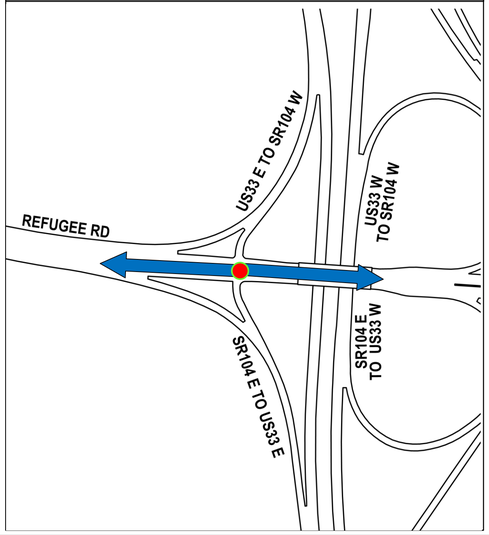




LEGEND

- FIBER PATCH CABLES T/R STANDARD
- FIBER PATCH CABLES R/T CROSSOVER
- EXISTING FIBER PATCH CABLES
- OUTDOOR CAT 5E CABLE
- INDOOR CAT 5E CABLE
- CAT 5E CABLE TO BE REMOVED
- TERMINATION PANEL UPC (Blue)/APC (Green)
- EXISTING/PROPOSED FIBER OR BUFFER TUBE LEFT COILED IN SPLICE ENCLOSURE
- FUSION SPLICE – 6 FIBERS/ SINGLE FIBER
- FUSION SPLICE – 12 FIBER BUFFER TUBE
- EXISTING FUSION SPLICE – 12 FIBER BUFFER TUBE
- INTERSECTION LOCATION
- GBIC OPTICAL TRANSCEIVER LH - SHORT HAUL LED ZX – LONG HAUL LASER
- SFP/COPPER/CAT5/5E/6 CONNECTOR
- COPPER/CAT5/5E/6 CONNECTOR
- 144 STRAND SMF
- 288 STRAND SMF
- WIRELESS ETHERNET RADIO

KEY PLAN



INTERSECTION 2184

REFER TO SHEET 477 FOR COMM OVERVIEW DETAILS

CIP: 540007 - 100012
PID NUMBER: 99733

INT# 2184: SR-104/ REFUGEE RD. AT US-33 RAMPS
COMMUNICATIONS DIAGRAM

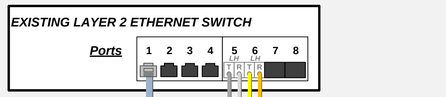
CITY OF COLUMBUS TRAFFIC SIGNAL SYSTEM
(CTSS) PHASE F – FINAL SUBMITTAL

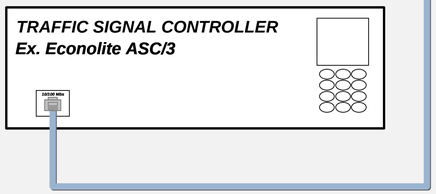
635
768

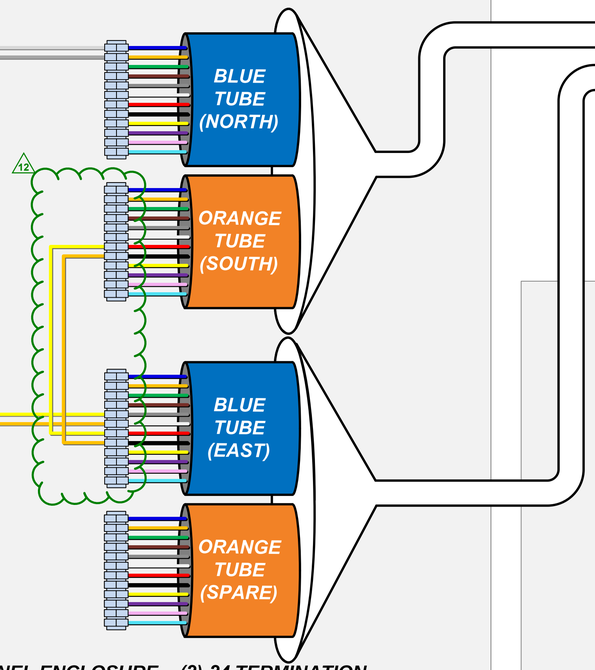
\\colw00\pmwork\Jobs\70202 - CTSS Phase F\TECHPROD\Communications\Intersection Splicing Details\632-644.vsd - 2184 layout ~ last saved by: skoganti 6/1/2022 10:57:45 AM ~ printed: 6/1/2022 10:57:45 AM

TRAFFIC SIGNAL CABINET ASSEMBLY

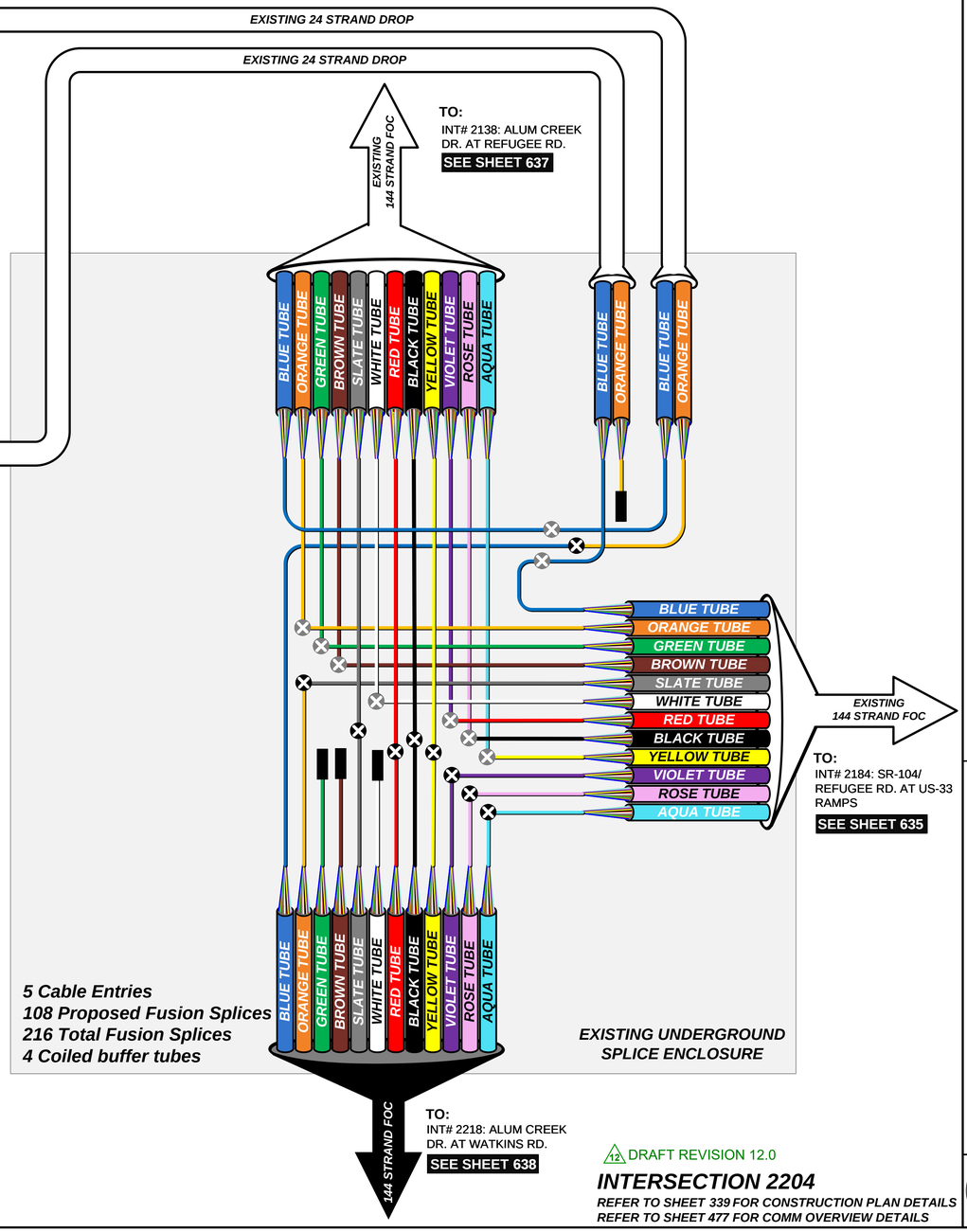
SWITCH	PORT	STATUS	DESTINATION	SHEET NO
1	5	REVISED	INT# 2138: ALUM CREEK DR. AT REFUGEE RD.	637
1	6	REVISED	PROPOSED COMMUNICATION NODE# 104095.0: REFUGEE RD. AT US-33	720







EXISTING PATCH PANEL ENCLOSURE – (2)-24 TERMINATION



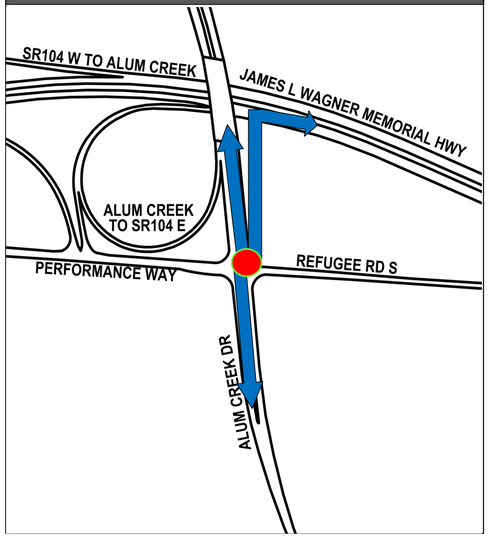
5 Cable Entries
108 Proposed Fusion Splices
216 Total Fusion Splices
4 Coiled buffer tubes

EXISTING UNDERGROUND SPLICE ENCLOSURE

LEGEND

- FIBER PATCH CABLES T/R STANDARD
- FIBER PATCH CABLES R/T CROSSOVER
- EXISTING FIBER PATCH CABLES
- OUTDOOR CAT 5E CABLE
- INDOOR CAT 5E CABLE
- CAT 5E CABLE TO BE REMOVED
- TERMINATION PANEL UPC (Blue)/APC (Green)
- EXISTING/PROPOSED FIBER OR BUFFER TUBE LEFT COILED IN SPLICE ENCLOSURE
- FUSION SPLICE – 6 FIBERS/ SINGLE FIBER
- FUSION SPLICE – 12 FIBER BUFFER TUBE
- EXISTING FUSION SPLICE – 12 FIBER BUFFER TUBE
- INTERSECTION LOCATION
- GBIC OPTICAL TRANSCEIVER LH - SHORT HAUL LED ZX – LONG HAUL LASER
- SFP/COPPER/CAT5/5E/6 CONNECTOR
- COPPER/CAT5/5E/6 CONNECTOR
- 144 STRAND SMF
- 288 STRAND SMF
- WIRELESS ETHERNET RADIO

KEY PLAN



12 DRAFT REVISION 12.0

INTERSECTION 2204

REFER TO SHEET 339 FOR CONSTRUCTION PLAN DETAILS
REFER TO SHEET 477 FOR COMM OVERVIEW DETAILS

CIP: 540007 - 100012
PID NUMBER: 99733

INT# 2204: ALUM CREEK DR. AT PERFORMANCE WAY
COMMUNICATIONS DIAGRAM

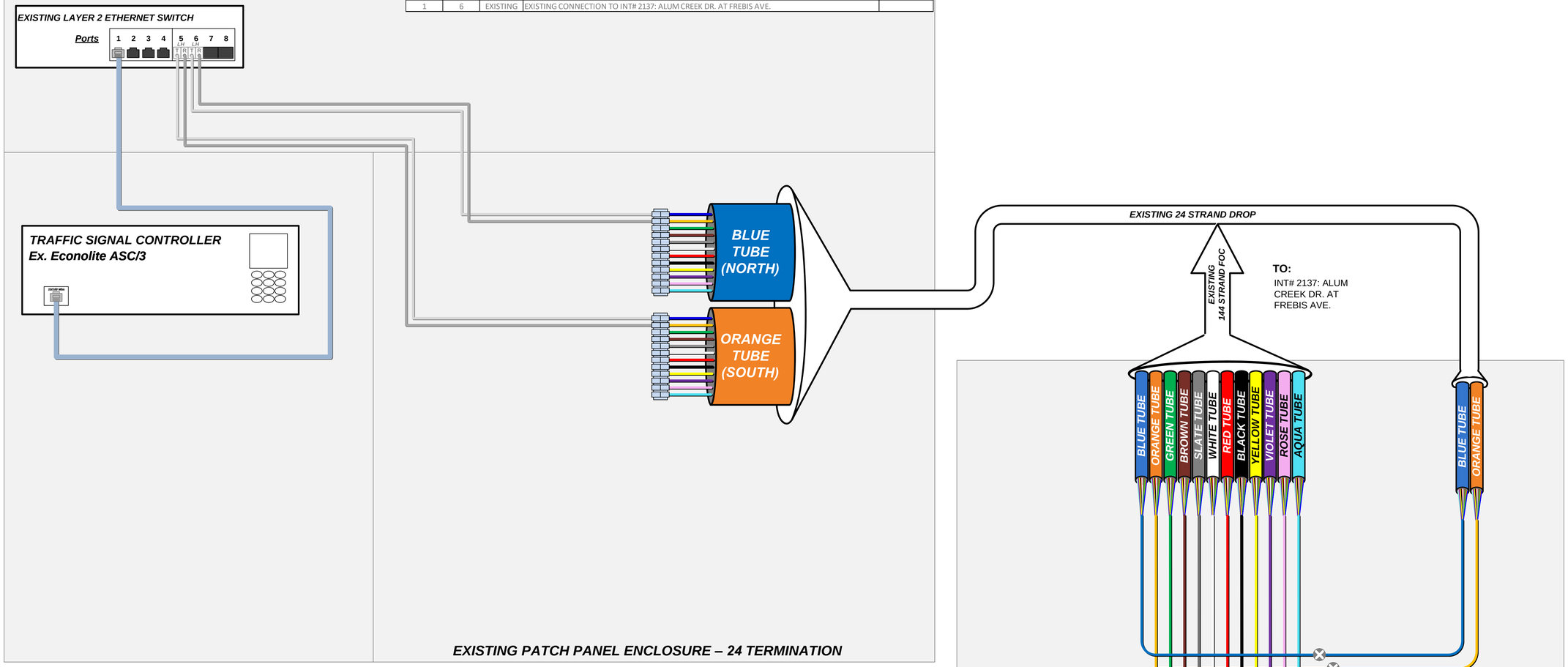
CITY OF COLUMBUS TRAFFIC SIGNAL SYSTEM
(CTSS) PHASE F – FINAL SUBMITTAL

636
768

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TRAFFIC SIGNAL CABINET ASSEMBLY

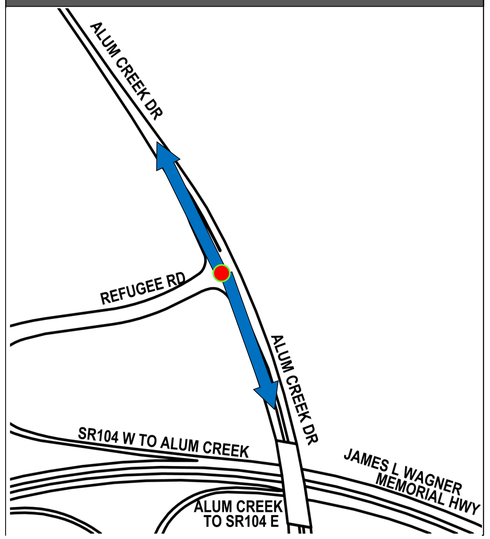
SWITCH	PORT	STATUS	DESTINATION	SHEET NO
1	5	REVISED	INT# 2204: ALUM CREEK DR. AT PERFORMANCE WAY	636
1	6	EXISTING	EXISTING CONNECTION TO INT# 2137: ALUM CREEK DR. AT FREBIS AVE.	



LEGEND

- FIBER PATCH CABLES T/R STANDARD
- FIBER PATCH CABLES R/T CROSSOVER
- EXISTING FIBER PATCH CABLES
- OUTDOOR CAT 5E CABLE
- INDOOR CAT 5E CABLE
- CAT 5E CABLE TO BE REMOVED
- TERMINATION PANEL UPC (Blue)/APC (Green)
- EXISTING/PROPOSED FIBER OR BUFFER TUBE LEFT COILED IN SPLICE ENCLOSURE
- FUSION SPLICE – 6 FIBERS/ SINGLE FIBER
- FUSION SPLICE – 12 FIBER BUFFER TUBE
- EXISTING FUSION SPLICE – 12 FIBER BUFFER TUBE
- INTERSECTION LOCATION
- LH / ZX GBIC OPTICAL TRANSCEIVER LH - SHORT HAUL LED ZX – LONG HAUL LASER
- SFP/COPPER/CAT5/5E/6 CONNECTOR
- COPPER/CAT5/5E/6 CONNECTOR
- 144 STRAND SMF
- 288 STRAND SMF
- WIRELESS ETHERNET RADIO

KEY PLAN



NOTE:
NO PROPOSED WORK SHOWN ON THIS SHEET. SHEET SHOWN FOR REVISED PORT DESTINATION

INTERSECTION 2138

REFER TO SHEET 477 FOR COMM OVERVIEW DETAILS

CIP: 540007 - 100012
PID NUMBER: 99733

INT# 2138: ALUM CREEK DR. AT REFUGEE RD.
COMMUNICATIONS DIAGRAM

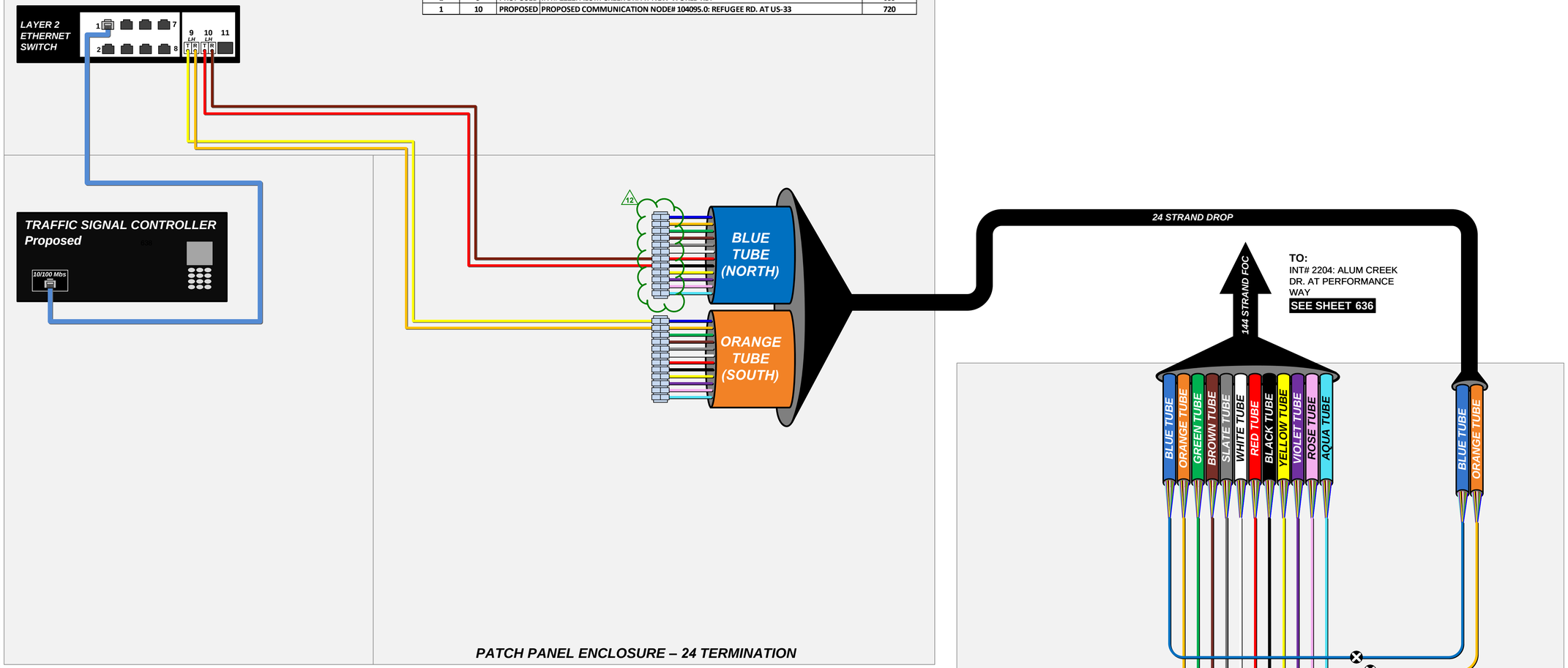
CITY OF COLUMBUS TRAFFIC SIGNAL SYSTEM
(CTSS) PHASE F – FINAL SUBMITTAL

637
768

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TRAFFIC SIGNAL CABINET ASSEMBLY

SWITCH	PORT	STATUS	DESTINATION	SHEET NO
1	9	PROPOSED	INT# 2212: ALUM CREEK DR. AT NEW WORLD RD.	639
1	10	PROPOSED	PROPOSED COMMUNICATION NODE# 104095.0: REFUGEE RD. AT US-33	720



PATCH PANEL ENCLOSURE – 24 TERMINATION

LEGEND

- FIBER PATCH CABLES T/R STANDARD
- FIBER PATCH CABLES R/T CROSSOVER
- EXISTING FIBER PATCH CABLES
- OUTDOOR CAT 5E CABLE
- INDOOR CAT 5E CABLE
- CAT 5E CABLE TO BE REMOVED
- TERMINATION PANEL UPC (Blue)/APC (Green)
- EXISTING/PROPOSED FIBER OR BUFFER TUBE LEFT COILED IN SPLICE ENCLOSURE
- FUSION SPLICE – 6 FIBERS/ SINGLE FIBER
- FUSION SPLICE – 12 FIBER BUFFER TUBE
- EXISTING FUSION SPLICE – 12 FIBER BUFFER TUBE
- INTERSECTION LOCATION
- GBIC OPTICAL TRANSCEIVER LH - SHORT HAUL LED ZX – LONG HAUL LASER
- SFP/COPPER/CAT5/5E/6 CONNECTOR
- COPPER/CAT5/5E/6 CONNECTOR
- 144 STRAND SMF
- 288 STRAND SMF
- WIRELESS ETHERNET RADIO

KEY PLAN



△12 DRAFT REVISION 12.0

INTERSECTION 2218

REFER TO SHEET 335 FOR CONSTRUCTION PLAN DETAILS
REFER TO SHEET 477 FOR COMM OVERVIEW DETAILS

CIP: 540007 - 100012
PID NUMBER: 99733

INT# 2218: ALUM CREEK DR. AT WATKINS RD.
COMMUNICATIONS DIAGRAM

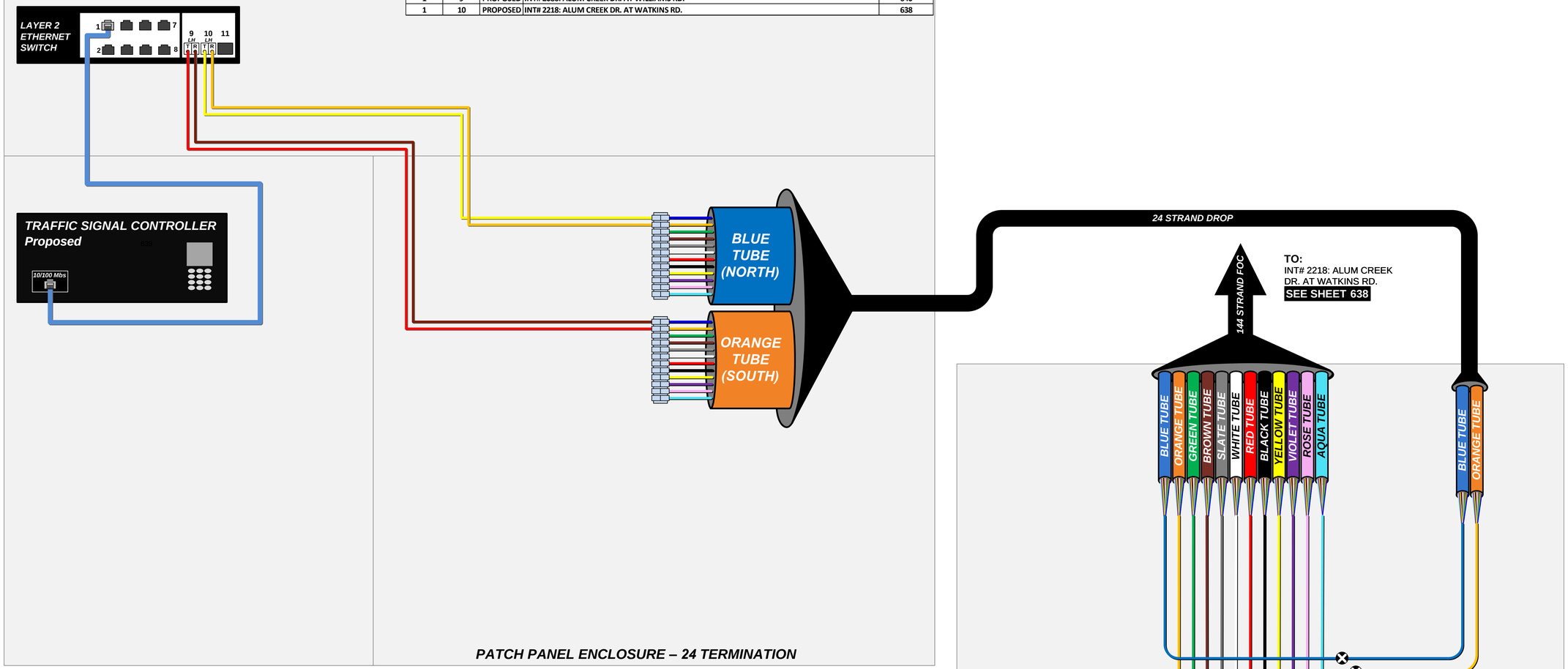
CITY OF COLUMBUS TRAFFIC SIGNAL SYSTEM
(CTSS) PHASE F – FINAL SUBMITTAL

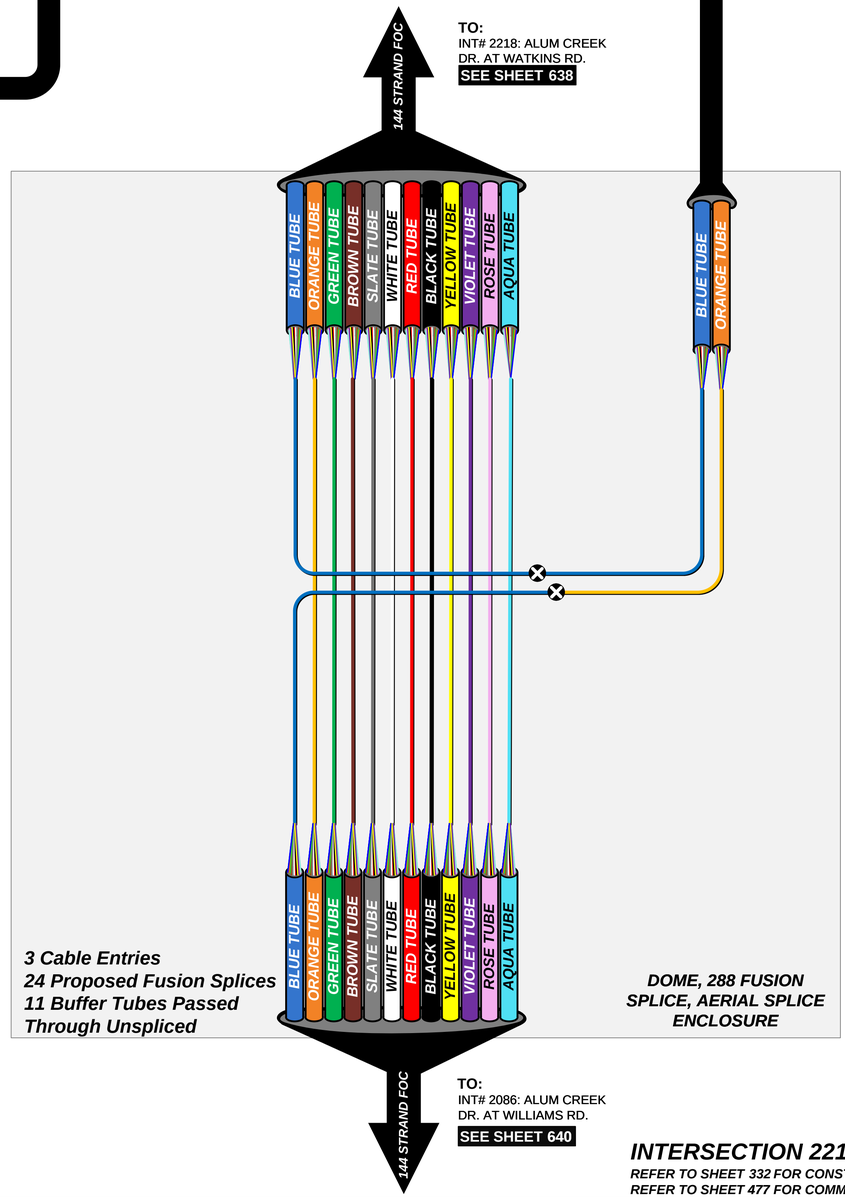
638
768

J:\Jobs\70202 - CTSS Phase F\TECHPROD\Communications\Intersection Splicing Details\632-644.vsd - 2218 layout ~ last saved by: skoganti 9/11/2024 2:15:22 PM ~ printed: 9/11/2024 2:15:22 PM

TRAFFIC SIGNAL CABINET ASSEMBLY

SWITCH	PORT	STATUS	DESTINATION	SHEET NO
1	9	PROPOSED	INT# 2086: ALUM CREEK DR. AT WILLIAMS RD.	640
1	10	PROPOSED	INT# 2218: ALUM CREEK DR. AT WATKINS RD.	638

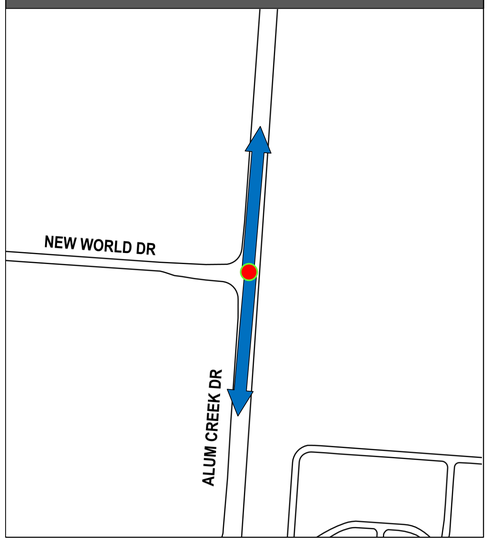




LEGEND

- FIBER PATCH CABLES T/R STANDARD
- FIBER PATCH CABLES R/T CROSSOVER
- EXISTING FIBER PATCH CABLES
- OUTDOOR CAT 5E CABLE
- INDOOR CAT 5E CABLE
- CAT 5E CABLE TO BE REMOVED
- TERMINATION PANEL UPC (Blue)/APC (Green)
- EXISTING/PROPOSED FIBER OR BUFFER TUBE LEFT COILED IN SPLICE ENCLOSURE
- FUSION SPLICE – 6 FIBERS/ SINGLE FIBER
- FUSION SPLICE – 12 FIBER BUFFER TUBE
- EXISTING FUSION SPLICE – 12 FIBER BUFFER TUBE
- INTERSECTION LOCATION
- GBIC OPTICAL TRANSCEIVER LH - SHORT HAUL LED ZX – LONG HAUL LASER
- SFP/COPPER/CAT5/5E/6 CONNECTOR
- COPPER/CAT5/5E/6 CONNECTOR
- 144 STRAND SMF
- 288 STRAND SMF
- WIRELESS ETHERNET RADIO

KEY PLAN



INTERSECTION 2212

REFER TO SHEET 332 FOR CONSTRUCTION PLAN DETAILS
REFER TO SHEET 477 FOR COMM OVERVIEW DETAILS

CIP: 540007 - 100012
PID NUMBER: 99733

INT# 2212: ALUM CREEK DR. AT NEW WORLD RD.
COMMUNICATIONS DIAGRAM

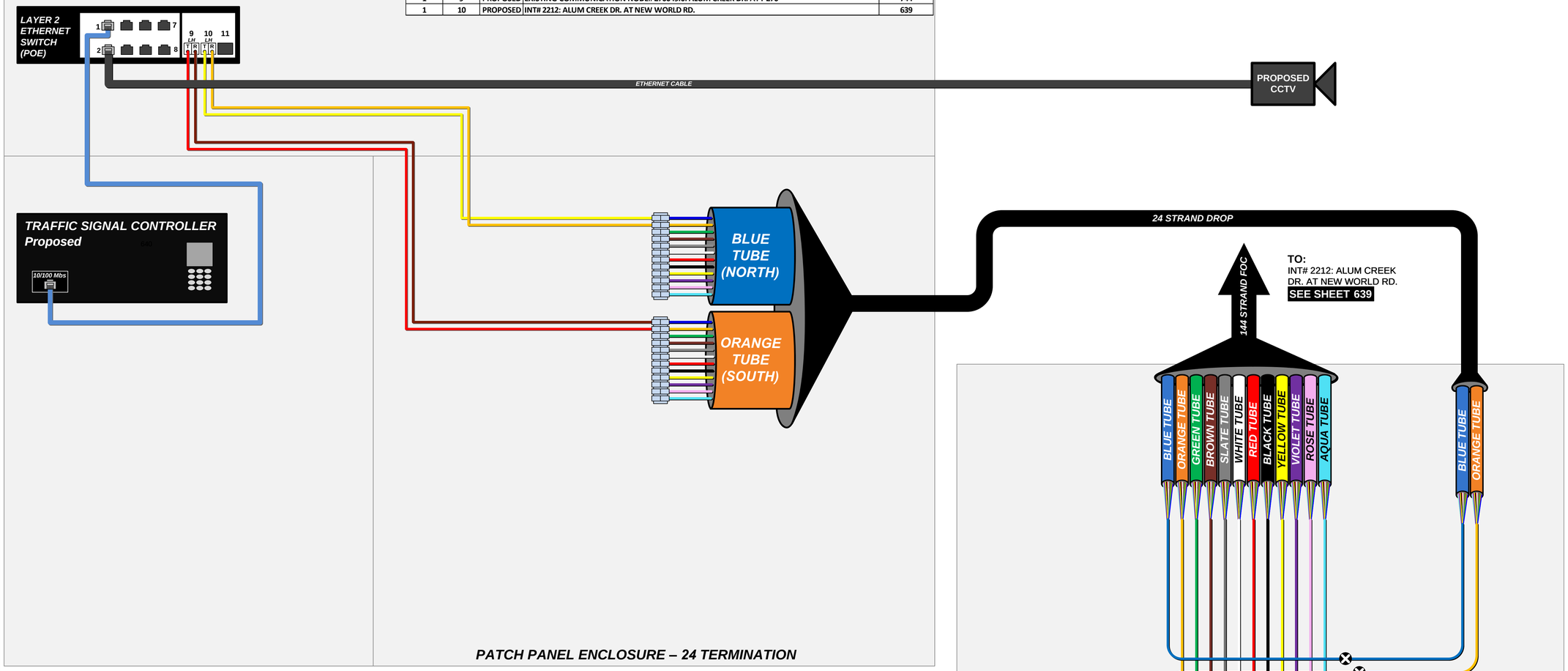
CITY OF COLUMBUS TRAFFIC SIGNAL SYSTEM
(CTSS) PHASE F – FINAL SUBMITTAL

639
768

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TRAFFIC SIGNAL CABINET ASSEMBLY

SWITCH	PORT	STATUS	DESTINATION	SHEET NO
1	9	PROPOSED	EXISTING COMMUNICATION NODE# 270049.0: ALUM CREEK DR. AT I-270	744
1	10	PROPOSED	INT# 2212: ALUM CREEK DR. AT NEW WORLD RD.	639



LEGEND

- FIBER PATCH CABLES T/R STANDARD
- FIBER PATCH CABLES R/T CROSSOVER
- EXISTING FIBER PATCH CABLES
- OUTDOOR CAT 5E CABLE
- INDOOR CAT 5E CABLE
- CAT 5E CABLE TO BE REMOVED
- TERMINATION PANEL UPC (Blue)/APC (Green)
- EXISTING/PROPOSED FIBER OR BUFFER TUBE LEFT COILED IN SPLICE ENCLOSURE
- FUSION SPLICE – 6 FIBERS/ SINGLE FIBER
- FUSION SPLICE – 12 FIBER BUFFER TUBE
- EXISTING FUSION SPLICE – 12 FIBER BUFFER TUBE
- INTERSECTION LOCATION
- GBIC OPTICAL TRANSCEIVER LH - SHORT HAUL LED ZX – LONG HAUL LASER
- SFP/COPPER/CAT5/5E/6 CONNECTOR
- COPPER/CAT5/5E/6 CONNECTOR
- 144 STRAND SMF
- 288 STRAND SMF
- WIRELESS ETHERNET RADIO

KEY PLAN



INTERSECTION 2086

REFER TO SHEET 328 FOR CONSTRUCTION PLAN DETAILS
REFER TO SHEET 477 FOR COMM OVERVIEW DETAILS

CIP: 540007 - 100012
PID NUMBER: 99733

INT# 2086: ALUM CREEK DR. AT WILLIAMS RD.
COMMUNICATIONS DIAGRAM

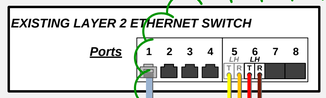
CITY OF COLUMBUS TRAFFIC SIGNAL SYSTEM
(CTSS) PHASE F – FINAL SUBMITTAL

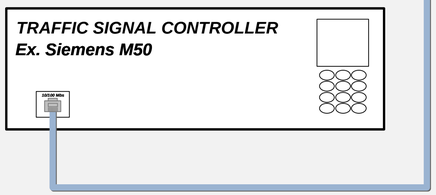
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TRAFFIC SIGNAL CABINET ASSEMBLY

SWITCH	PORT	STATUS	DESTINATION	SHEET NO
1	5	EXISTING	INT# SIG4930: BRICE RD. AT WINCHESTER PIKE	649
1	6	EXISTING	INT# SIG4825: HARBOR BLVD. AT SEDALIA DR.	





BLUE TUBE (NORTH)

ORANGE TUBE (SOUTH)

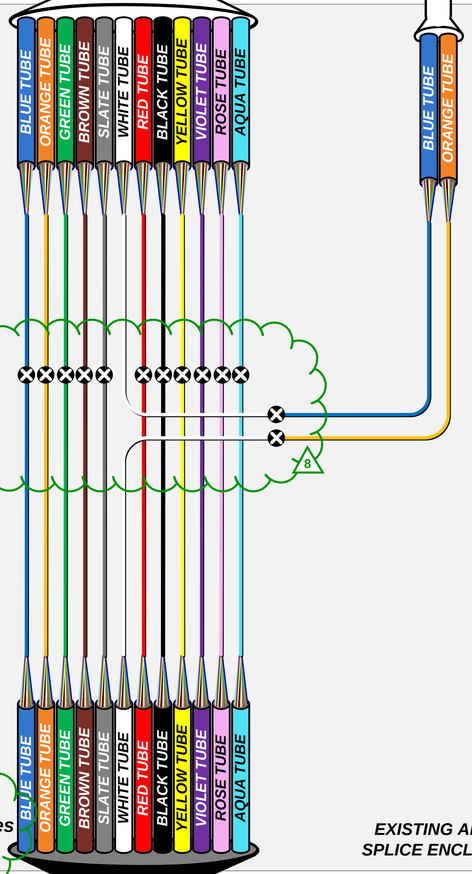
8

EXISTING PATCH PANEL ENCLOSURE – 24 TERMINATION

EXISTING 24 STRAND DROP

EXISTING 144 STRAND FOC

TO:
INT# SIG4825:
SEDALIA DR/
CROSSCREEK DR AT
NOE-BIXBY RD



3 Cable Entries
156 Proposed Fusion Splices
156 Total Fusion Splices

8

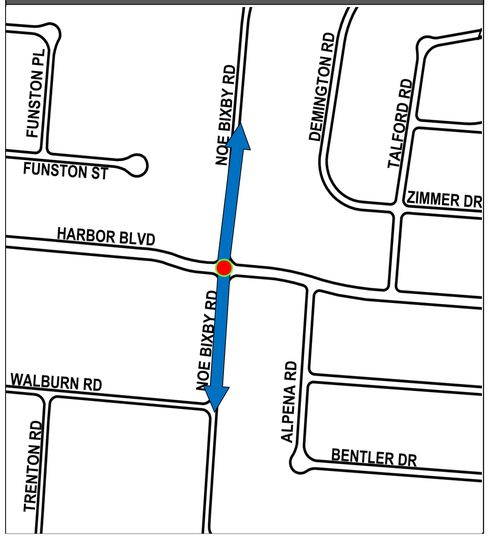
EXISTING AERIAL SPLICE ENCLOSURE

TO:
INT# 2199: NOE BIXBY RD. AT WINCHESTER PIKE
SEE SHEET 642

LEGEND

- FIBER PATCH CABLES T/R STANDARD
- FIBER PATCH CABLES R/T CROSSOVER
- EXISTING FIBER PATCH CABLES
- OUTDOOR CAT 5E CABLE
- INDOOR CAT 5E CABLE
- CAT 5E CABLE TO BE REMOVED
- TERMINATION PANEL UPC (Blue)/APC (Green)
- EXISTING/PROPOSED FIBER OR BUFFER TUBE LEFT COILED IN SPLICE ENCLOSURE
- FUSION SPLICE – 6 FIBERS/ SINGLE FIBER
- FUSION SPLICE – 12 FIBER BUFFER TUBE
- EXISTING FUSION SPLICE – 12 FIBER BUFFER TUBE
- INTERSECTION LOCATION
- GBIC OPTICAL TRANSCEIVER LH - SHORT HAUL LED ZX – LONG HAUL LASER
- SFP/COPPER/CAT5/5E/6 CONNECTOR
- COPPER/CAT5/5E/6 CONNECTOR
- 144 STRAND SMF
- 288 STRAND SMF
- WIRELESS ETHERNET RADIO

KEY PLAN



8 DRAFT REVISION 8.0

INTERSECTION SIG4240

REFER TO SHEET 350 FOR CONSTRUCTION PLAN DETAILS
REFER TO SHEET 478 FOR COMM OVERVIEW DETAILS

CIP: 540007 - 100012
PID NUMBER: 99733

INT# SIG4240: HARBOR BLVD. AT NOE BIXBY RD.
COMMUNICATIONS DIAGRAM

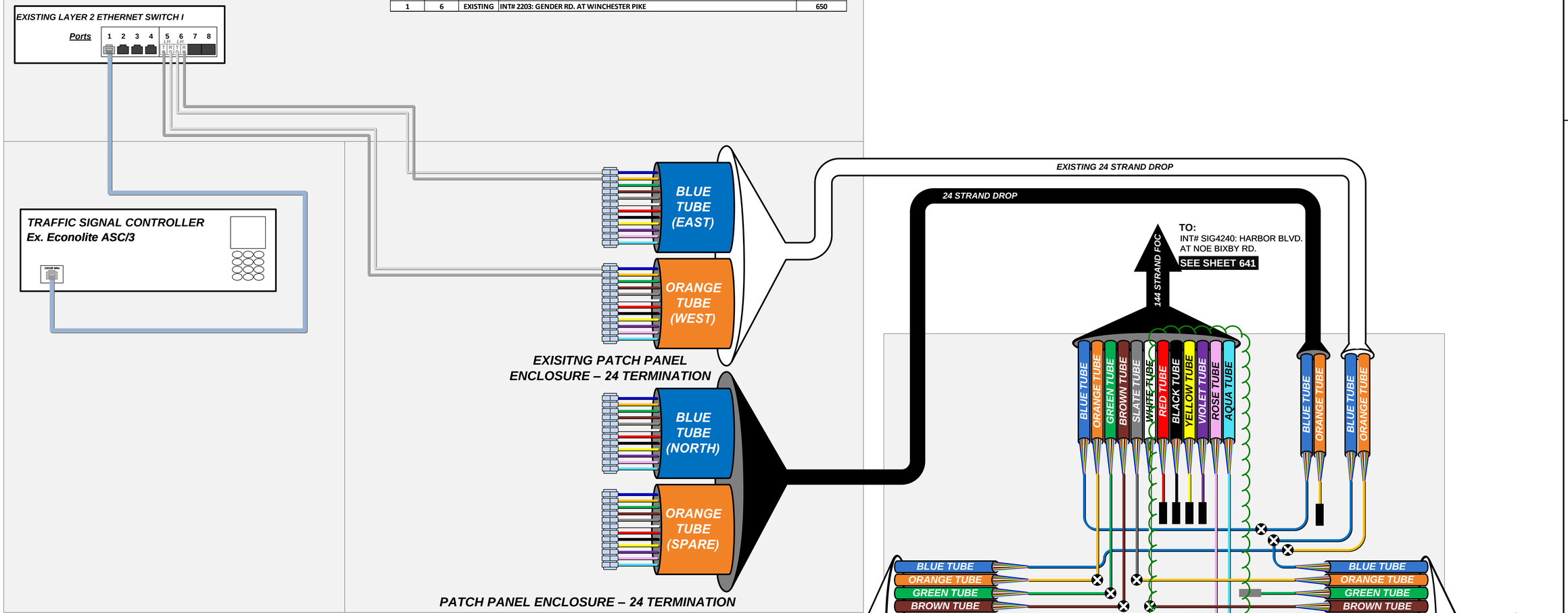
CITY OF COLUMBUS TRAFFIC SIGNAL SYSTEM
(CTSS) PHASE F – FINAL SUBMITTAL

641
768

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TRAFFIC SIGNAL CABINET ASSEMBLY

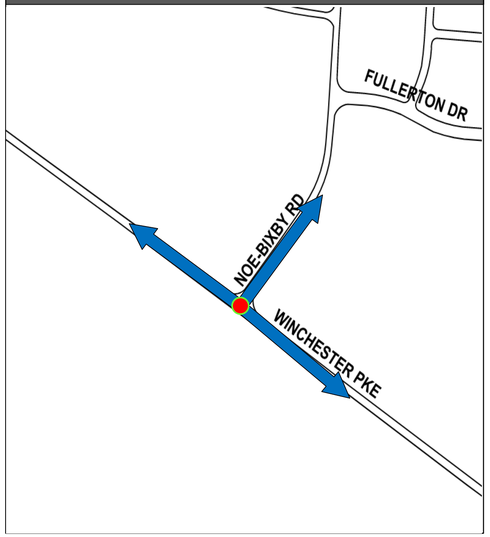
SWITCH	PORT	STATUS	DESTINATION	SHEET NO
1	5	EXISTING	INT# 2194: HAMILTON RD. AT WINCHESTER PIKE	643
1	**6**	**EXISTING**	**INT# 2203: GENDER RD. AT WINCHESTER PIKE**	**650**



LEGEND

- FIBER PATCH CABLES T/R STANDARD
- FIBER PATCH CABLES R/T CROSSOVER
- EXISTING FIBER PATCH CABLES
- OUTDOOR CAT 5E CABLE
- INDOOR CAT 5E CABLE
- CAT 5E CABLE TO BE REMOVED
- TERMINATION PANEL UPC (Blue)/APC (Green)
- EXISTING/PROPOSED FIBER OR BUFFER TUBE LEFT COILED IN SPLICE ENCLOSURE
- FUSION SPLICE – 6 FIBERS/ SINGLE FIBER
- FUSION SPLICE – 12 FIBER BUFFER TUBE
- EXISTING FUSION SPLICE – 12 FIBER BUFFER TUBE
- INTERSECTION LOCATION
- GBIC OPTICAL TRANSCEIVER LH - SHORT HAUL LED ZX – LONG HAUL LASER
- SFP/COPPER/CAT5/5E/6 CONNECTOR
- COPPER/CAT5/5E/6 CONNECTOR
- 144 STRAND SMF
- 288 STRAND SMF
- WIRELESS ETHERNET RADIO

KEY PLAN



12 DRAFT REVISION 12.0

INTERSECTION 2199

REFER TO SHEET 348 FOR CONSTRUCTION PLAN DETAILS
REFER TO SHEET 478 FOR COMM OVERVIEW DETAILS

CIP: 540007 - 100012
PID NUMBER: 99733

INT# 2199: NOE BIXBY RD. AT WINCHESTER PIKE
COMMUNICATIONS DIAGRAM

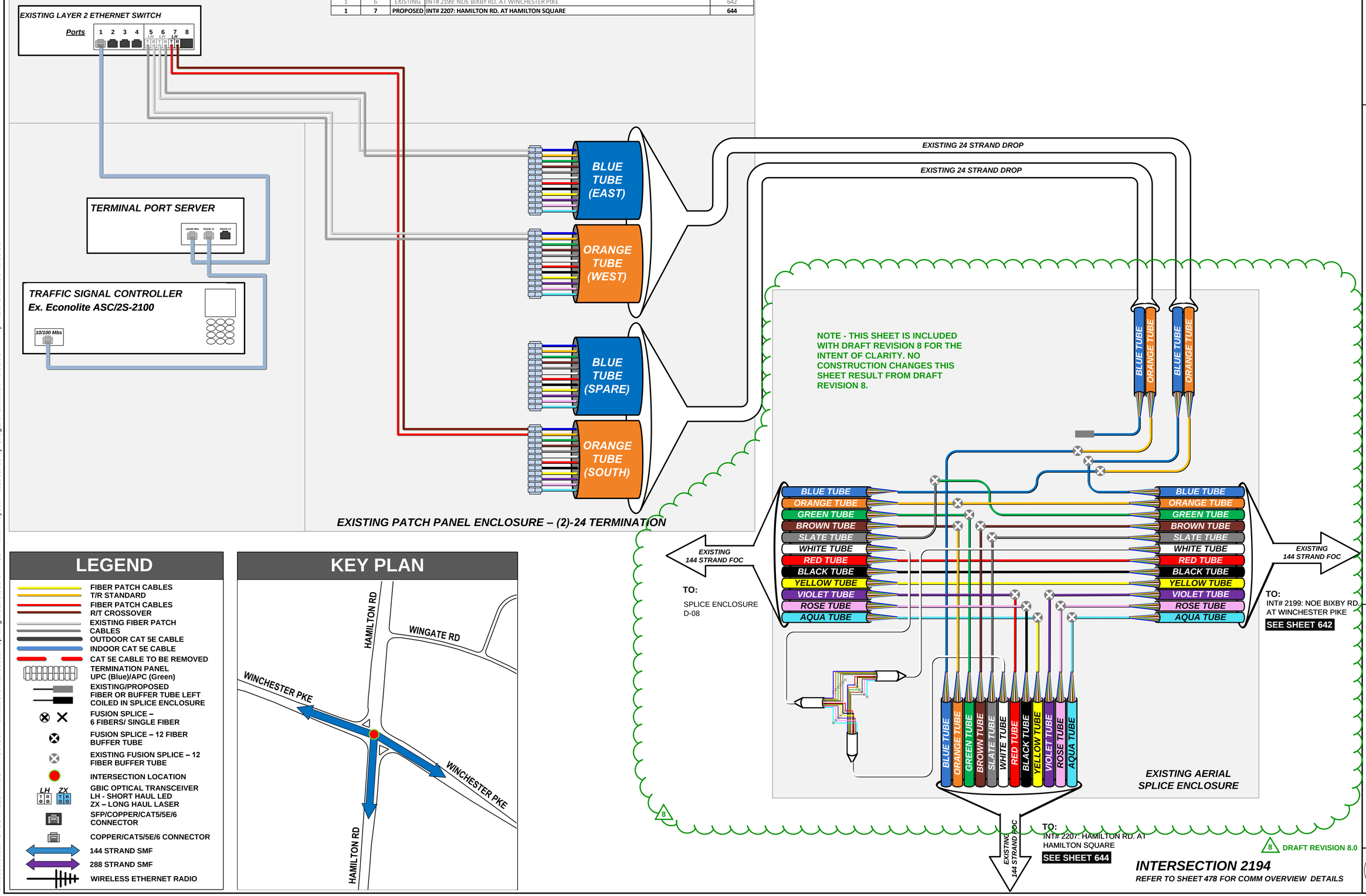
CITY OF COLUMBUS TRAFFIC SIGNAL SYSTEM
(CTSS) PHASE F – FINAL SUBMITTAL

642
768

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TRAFFIC SIGNAL CABINET ASSEMBLY

SWITCH	PORT	STATUS	DESTINATION	SHEET NO
1	5	EXISTING	EXISTING CONNECTION TO NODE# 270046.1: I-270 AT US-33	
1	6	EXISTING	INT# 2199: NOE BIXBY RD. AT WINCHESTER PIKE	642
1	**7**	**PROPOSED**	**INT# 2207: HAMILTON RD. AT HAMILTON SQUARE**	**644**



INTERSECTION 2194

REFER TO SHEET 478 FOR COMM OVERVIEW DETAILS

LEGEND

- FIBER PATCH CABLES T/R STANDARD
- FIBER PATCH CABLES R/T CROSSOVER
- EXISTING FIBER PATCH CABLES
- OUTDOOR CAT 5E CABLE
- INDOOR CAT 5E CABLE
- CAT 5E CABLE TO BE REMOVED
- TERMINATION PANEL UPC (Blue)/APC (Green)
- EXISTING/PROPOSED FIBER OR BUFFER TUBE LEFT COILED IN SPLICE ENCLOSURE
- FUSION SPLICE – 6 FIBERS/ SINGLE FIBER
- FUSION SPLICE – 12 FIBER BUFFER TUBE
- EXISTING FUSION SPLICE – 12 FIBER BUFFER TUBE
- INTERSECTION LOCATION
- GBIC OPTICAL TRANSCEIVER LH - SHORT HAUL LED ZX – LONG HAUL LASER
- SFP/COPPER/CAT5/5E/6 CONNECTOR
- COPPER/CAT5/5E/6 CONNECTOR
- 144 STRAND SMF
- 288 STRAND SMF
- WIRELESS ETHERNET RADIO

KEY PLAN

CIP: 540007 - 100012
PID NUMBER: 99733

INT# 2194: HAMILTON RD. AT WINCHESTER PIKE
COMMUNICATIONS DIAGRAM

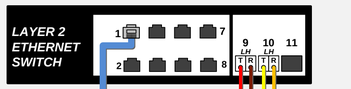
CITY OF COLUMBUS TRAFFIC SIGNAL SYSTEM
(CTSS) PHASE F – FINAL SUBMITTAL

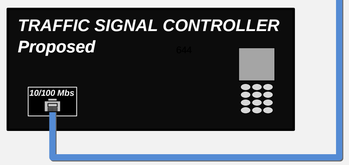
643
768

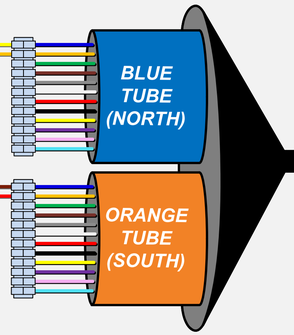
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TRAFFIC SIGNAL CABINET ASSEMBLY

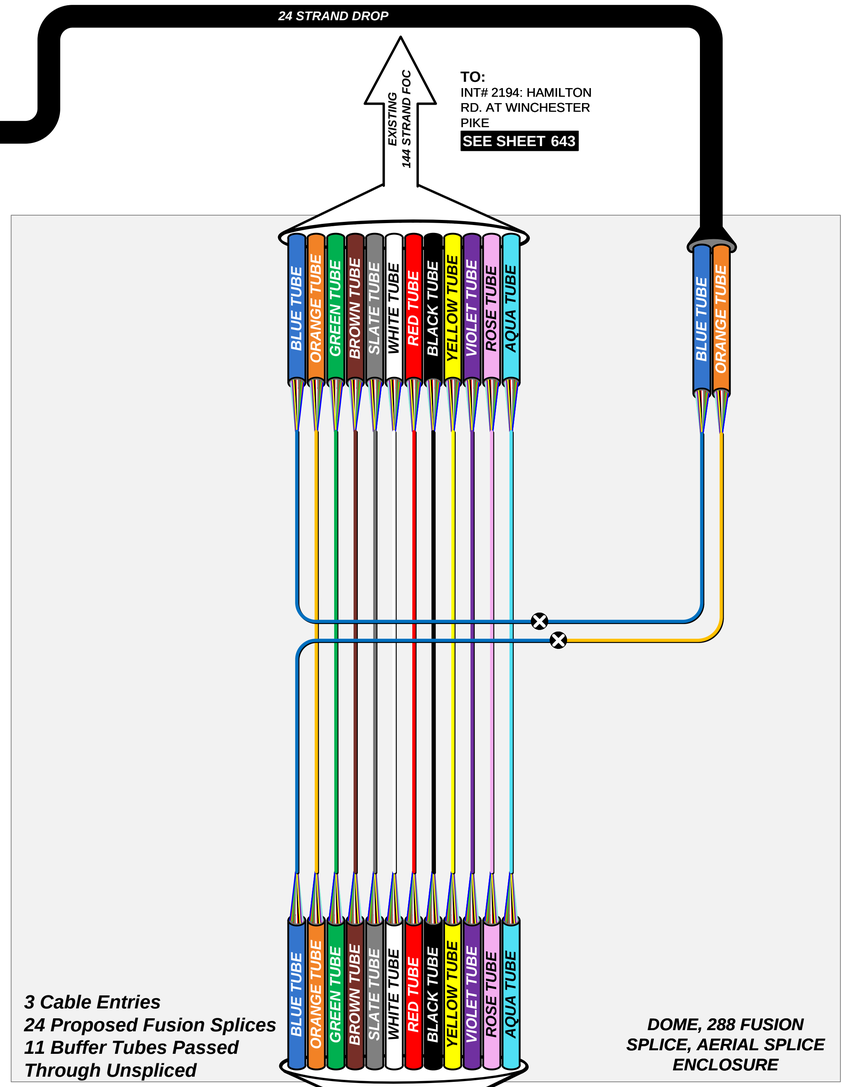
SWITCH	PORT	STATUS	DESTINATION	SHEET NO
1	9	PROPOSED	INT# 2092: HAMILTON RD. AT PROFESSIONAL PARKWAY & BLAKESTONE LN	645
1	10	PROPOSED	INT# 2194: HAMILTON RD. AT WINCHESTER PIKE	643







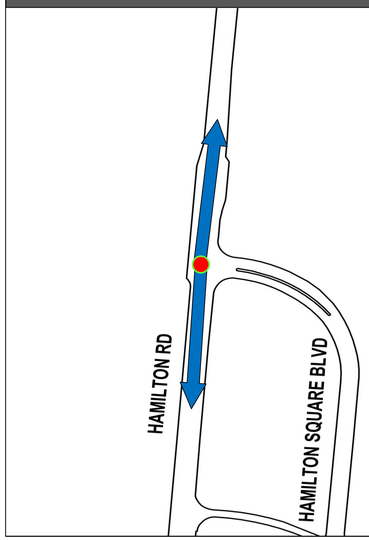
PATCH PANEL ENCLOSURE – 24 TERMINATION



LEGEND

- FIBER PATCH CABLES T/R STANDARD
- FIBER PATCH CABLES R/T CROSSOVER
- EXISTING FIBER PATCH CABLES
- OUTDOOR CAT 5E CABLE
- INDOOR CAT 5E CABLE
- CAT 5E CABLE TO BE REMOVED
- TERMINATION PANEL UPC (Blue)/APC (Green)
- EXISTING/PROPOSED FIBER OR BUFFER TUBE LEFT COILED IN SPLICE ENCLOSURE
- FUSION SPLICE – 6 FIBERS/ SINGLE FIBER
- FUSION SPLICE – 12 FIBER BUFFER TUBE
- EXISTING FUSION SPLICE – 12 FIBER BUFFER TUBE
- INTERSECTION LOCATION
- GBIC OPTICAL TRANSCEIVER LH - SHORT HAUL LED ZX – LONG HAUL LASER
- SFP/COPPER/CAT5/5E/6 CONNECTOR
- COPPER/CAT5/5E/6 CONNECTOR
- 144 STRAND SMF
- 288 STRAND SMF
- WIRELESS ETHERNET RADIO

KEY PLAN



INTERSECTION 2207

REFER TO SHEET 346 FOR CONSTRUCTION PLAN DETAILS
REFER TO SHEET 478 FOR COMM OVERVIEW DETAILS

CIP: 540007 - 100012
PID NUMBER: 99733

INT# 2207: HAMILTON RD. AT HAMILTON SQUARE
COMMUNICATIONS DIAGRAM

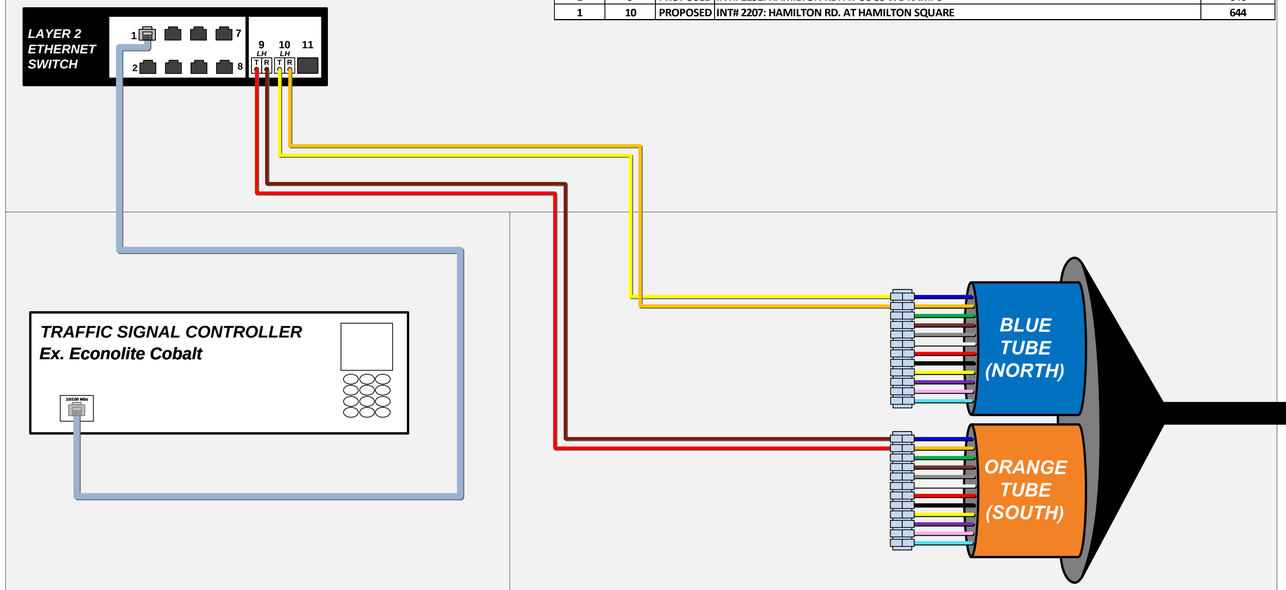
CITY OF COLUMBUS TRAFFIC SIGNAL SYSTEM
(CTSS) PHASE F – FINAL SUBMITTAL

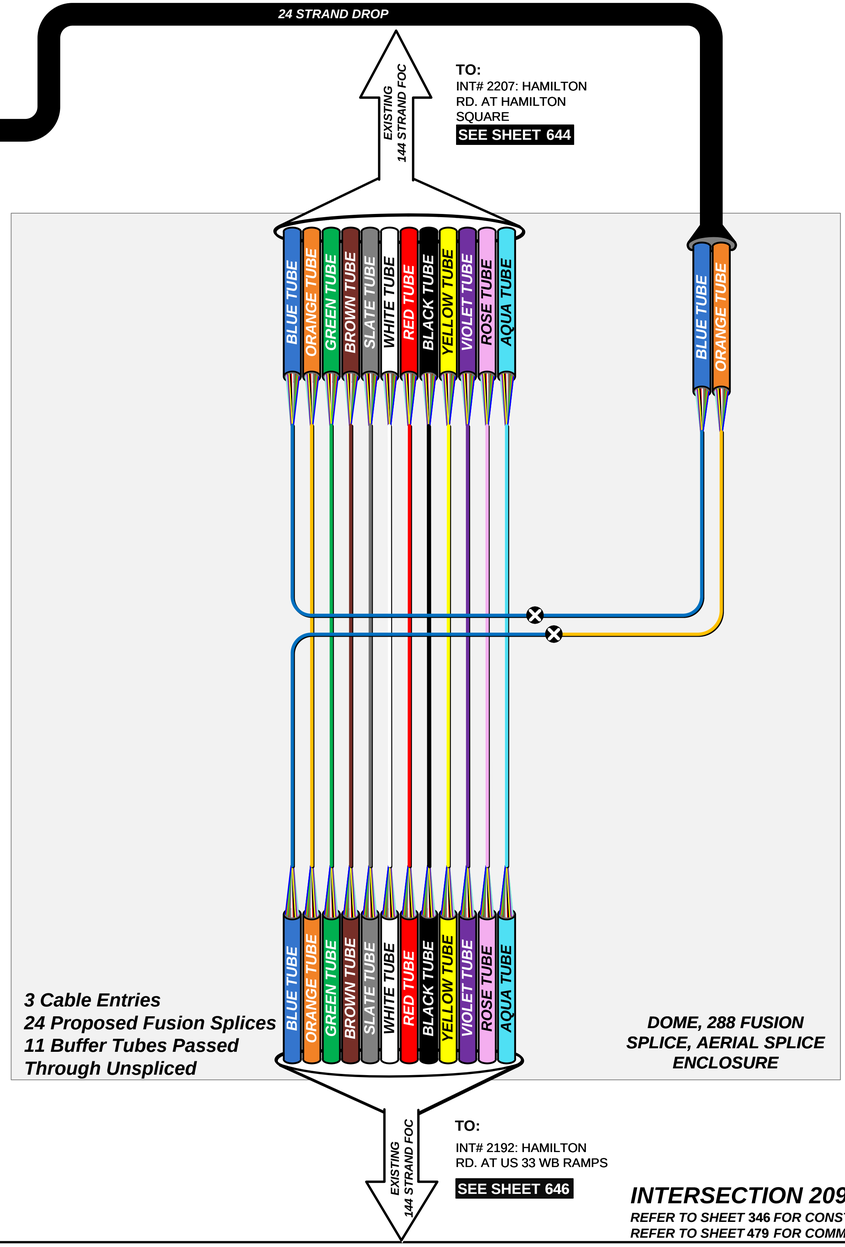
644
768

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TRAFFIC SIGNAL CABINET ASSEMBLY

SWITCH	PORT	STATUS	DESTINATION	SHEET NO
1	9	PROPOSED	INT# 2192: HAMILTON RD. AT US 33 WB RAMPS	646
1	10	PROPOSED	INT# 2207: HAMILTON RD. AT HAMILTON SQUARE	644

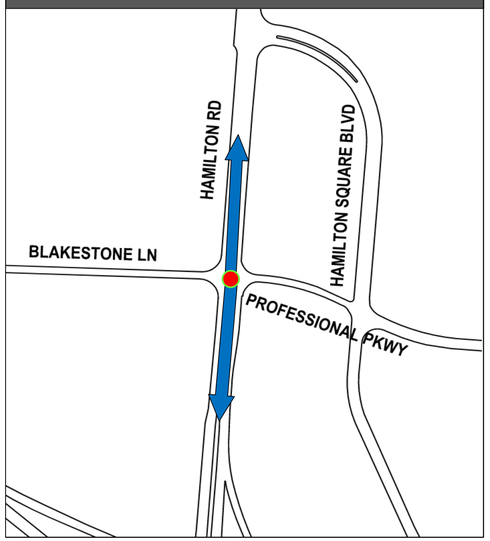




LEGEND

- FIBER PATCH CABLES T/R STANDARD
- FIBER PATCH CABLES R/T CROSSOVER
- EXISTING FIBER PATCH CABLES
- OUTDOOR CAT 5E CABLE
- INDOOR CAT 5E CABLE
- CAT 5E CABLE TO BE REMOVED
- TERMINATION PANEL UPC (Blue)/APC (Green)
- EXISTING/PROPOSED FIBER OR BUFFER TUBE LEFT COILED IN SPLICE ENCLOSURE
- FUSION SPLICE – 6 FIBERS/ SINGLE FIBER
- FUSION SPLICE – 12 FIBER BUFFER TUBE
- EXISTING FUSION SPLICE – 12 FIBER BUFFER TUBE
- INTERSECTION LOCATION
- GBIC OPTICAL TRANSCEIVER LH - SHORT HAUL LED ZX – LONG HAUL LASER
- SFP/COPPER/CAT5/5E/6 CONNECTOR
- COPPER/CAT5/5E/6 CONNECTOR
- 144 STRAND SMF
- 288 STRAND SMF
- WIRELESS ETHERNET RADIO

KEY PLAN



INTERSECTION 2092

REFER TO SHEET 346 FOR CONSTRUCTION PLAN DETAILS
REFER TO SHEET 479 FOR COMM OVERVIEW DETAILS

CIP: 540007 - 100012
PID NUMBER: 99733

INT# 2092: HAMILTON RD. AT PROFESSIONAL PARKWAY & BLAKESTONE LN
COMMUNICATIONS DIAGRAM

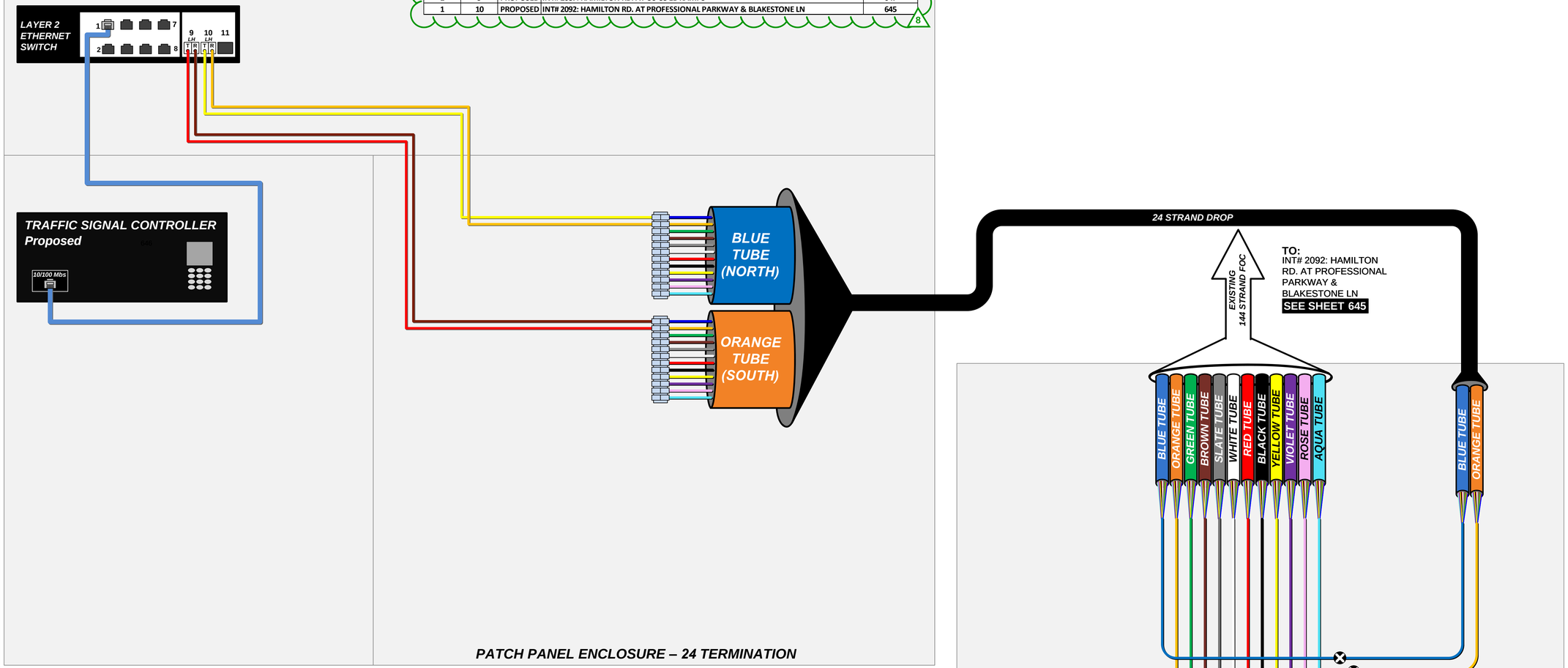
CITY OF COLUMBUS TRAFFIC SIGNAL SYSTEM
(CTSS) PHASE F – FINAL SUBMITTAL

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TRAFFIC SIGNAL CABINET ASSEMBLY

SWITCH	PORT	STATUS	DESTINATION	SHEET NO
1	9	PROPOSED	INT# 2087: HAMILTON RD. AT US-33 EB RAMPS	647
1	10	PROPOSED	INT# 2092: HAMILTON RD. AT PROFESSIONAL PARKWAY & BLAKESTONE LN	645

8

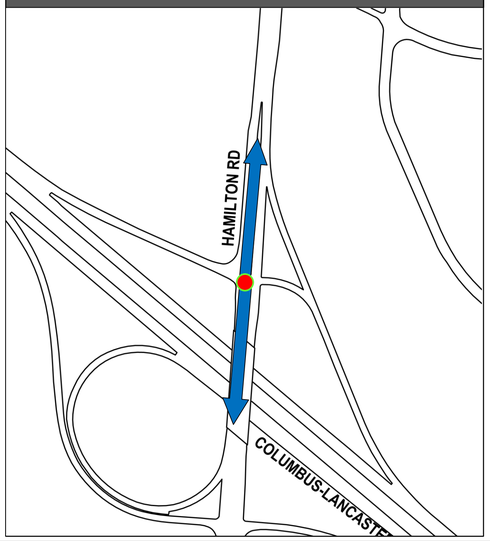


PATCH PANEL ENCLOSURE – 24 TERMINATION

LEGEND

- FIBER PATCH CABLES T/R STANDARD
- FIBER PATCH CABLES R/T CROSSOVER
- EXISTING FIBER PATCH CABLES
- OUTDOOR CAT 5E CABLE
- INDOOR CAT 5E CABLE
- CAT 5E CABLE TO BE REMOVED
- TERMINATION PANEL UPC (Blue)/APC (Green)
- EXISTING/PROPOSED FIBER OR BUFFER TUBE LEFT COILED IN SPLICE ENCLOSURE
- FUSION SPLICE – 6 FIBERS/ SINGLE FIBER
- FUSION SPLICE – 12 FIBER BUFFER TUBE
- EXISTING FUSION SPLICE – 12 FIBER BUFFER TUBE
- INTERSECTION LOCATION
- GBIC OPTICAL TRANSCEIVER LH - SHORT HAUL LED ZX – LONG HAUL LASER
- SFP/COPPER/CAT5/5E/6 CONNECTOR
- COPPER/CAT5/5E/6 CONNECTOR
- 144 STRAND SMF
- 288 STRAND SMF
- WIRELESS ETHERNET RADIO

KEY PLAN



8 DRAFT REVISION 8.0

INTERSECTION 2192

REFER TO SHEET 345 FOR CONSTRUCTION PLAN DETAILS
REFER TO SHEET 479 FOR COMM OVERVIEW DETAILS

CIP: 540007 - 100012
PID NUMBER: 99733

INT# 2192: HAMILTON RD. AT US 33 WB RAMPS
COMMUNICATIONS DIAGRAM

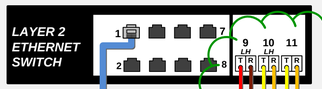
CITY OF COLUMBUS TRAFFIC SIGNAL SYSTEM
(CTSS) PHASE F – FINAL SUBMITTAL

646
768

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TRAFFIC SIGNAL CABINET ASSEMBLY

SWITCH	PORT	STATUS	DESTINATION	SHEET NO
1	9	PROPOSED	INT# 2088: HAMILTON RD. AT WILLIAMS RD.	648
1	10	PROPOSED	PROPOSED COMMUNICATION NODE# 033132.2: HAMILTON RD. AT US-33	726
1	11	PROPOSED	INT# 2192: HAMILTON RD. AT US 33 WB RAMPS	646





8

BLUE TUBE (NORTH)

ORANGE TUBE (SOUTH)

24 STRAND DROP

144 STRAND FOC

TO:
PROPOSED COMMUNICATION NODE# 033132.2: HAMILTON RD. AT US-33
SEE SHEET 726

BLUE TUBE
ORANGE TUBE
GREEN TUBE
BROWN TUBE
SLATE TUBE
WHITE TUBE
RED TUBE
BLACK TUBE
YELLOW TUBE
VIOLET TUBE
ROSE TUBE
AQUA TUBE

BLUE TUBE
ORANGE TUBE

3 Cable Entries
156 Proposed Fusion Splices

DOME, 288 FUSION SPLICE, AERIAL SPLICE ENCLOSURE

EXISTING 144 STRAND FOC

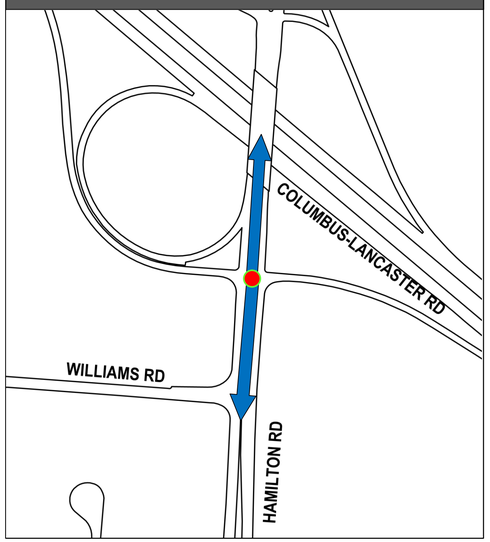
TO:
INT# 2088: HAMILTON RD. AT WILLIAMS RD.
SEE SHEET 648

PATCH PANEL ENCLOSURE – 24 TERMINATION

LEGEND

- FIBER PATCH CABLES T/R STANDARD
- FIBER PATCH CABLES R/T CROSSOVER
- EXISTING FIBER PATCH CABLES
- OUTDOOR CAT 5E CABLE
- INDOOR CAT 5E CABLE
- CAT 5E CABLE TO BE REMOVED
- TERMINATION PANEL UPC (Blue)/APC (Green)
- EXISTING/PROPOSED FIBER OR BUFFER TUBE LEFT COILED IN SPLICE ENCLOSURE
- FUSION SPLICE – 6 FIBERS/ SINGLE FIBER
- FUSION SPLICE – 12 FIBER BUFFER TUBE
- EXISTING FUSION SPLICE – 12 FIBER BUFFER TUBE
- INTERSECTION LOCATION
- GBIC OPTICAL TRANSCEIVER LH - SHORT HAUL LED ZX – LONG HAUL LASER
- SFP/COPPER/CAT5/5E/6 CONNECTOR
- COPPER/CAT5/5E/6 CONNECTOR
- 144 STRAND SMF
- 288 STRAND SMF
- WIRELESS ETHERNET RADIO

KEY PLAN



8 DRAFT REVISION 8.0

INTERSECTION 2087

REFER TO SHEET 344 FOR CONSTRUCTION PLAN DETAILS
REFER TO SHEET 479 FOR COMM OVERVIEW DETAILS

CIP: 540007 - 100012
PID NUMBER: 99733

INT# 2087: HAMILTON RD. AT US-33 EB RAMPS
COMMUNICATIONS DIAGRAM

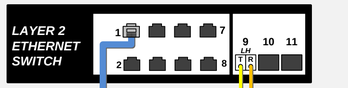
CITY OF COLUMBUS TRAFFIC SIGNAL SYSTEM
(CTSS) PHASE F – FINAL SUBMITTAL

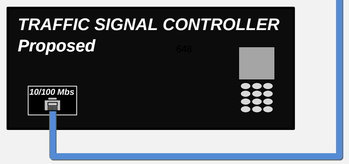
647
768

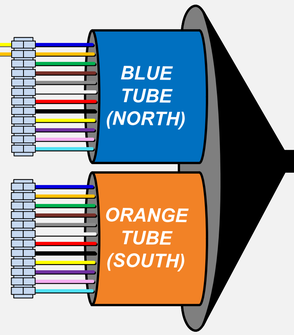
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TRAFFIC SIGNAL CABINET ASSEMBLY

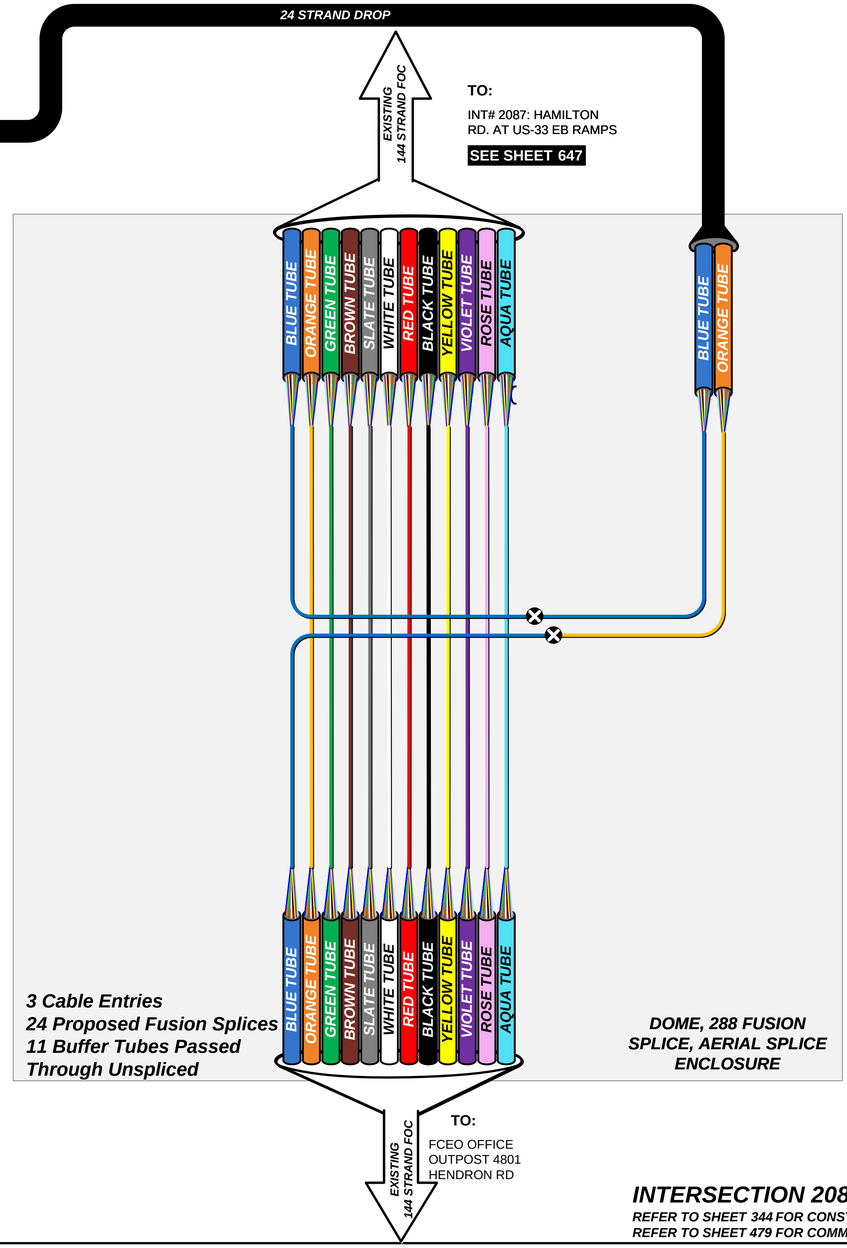
SWITCH	PORT	STATUS	DESTINATION	SHEET NO
1	10	PROPOSED	INT# 2087: HAMILTON RD. AT US-33 EB RAMPS	647







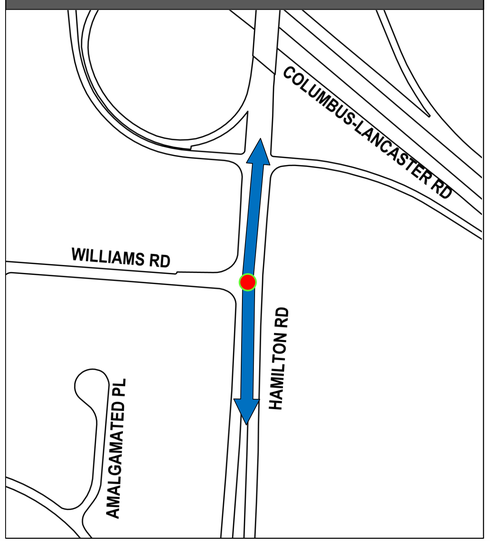
PATCH PANEL ENCLOSURE – 24 TERMINATION



LEGEND

- FIBER PATCH CABLES T/R STANDARD
- FIBER PATCH CABLES R/T CROSSOVER
- EXISTING FIBER PATCH CABLES
- OUTDOOR CAT 5E CABLE
- INDOOR CAT 5E CABLE
- CAT 5E CABLE TO BE REMOVED
- TERMINATION PANEL UPC (Blue)/APC (Green)
- EXISTING/PROPOSED FIBER OR BUFFER TUBE LEFT COILED IN SPLICE ENCLOSURE
- FUSION SPLICE – 6 FIBERS/ SINGLE FIBER
- FUSION SPLICE – 12 FIBER BUFFER TUBE
- EXISTING FUSION SPLICE – 12 FIBER BUFFER TUBE
- INTERSECTION LOCATION
- GBIC OPTICAL TRANSCEIVER LH - SHORT HAUL LED ZX – LONG HAUL LASER
- SFP/COPPER/CAT5/5E/6 CONNECTOR
- COPPER/CAT5/5E/6 CONNECTOR
- 144 STRAND SMF
- 288 STRAND SMF
- WIRELESS ETHERNET RADIO

KEY PLAN



INTERSECTION 2088

REFER TO SHEET 344 FOR CONSTRUCTION PLAN DETAILS
REFER TO SHEET 479 FOR COMM OVERVIEW DETAILS

CIP: 540007 - 100012
PID NUMBER: 99733

INT# 2088: HAMILTON RD. AT WILLIAMS RD.
COMMUNICATIONS DIAGRAM

CITY OF COLUMBUS TRAFFIC SIGNAL SYSTEM
(CTSS) PHASE F – FINAL SUBMITTAL

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TRAFFIC SIGNAL CABINET ASSEMBLY

SWITCH	PORT	STATUS	DESTINATION	SHEET NO
1	5	PROPOSED	INT# SIGwpbc (future): BACHMAN RD AT WINCHESTER PIKE	
1	6	PROPOSED	INT# SIG4240: HARBOR BLVD. AT NOE BIXBY RD.	641

EXISTING LAYER 2 ETHERNET SWITCH

Ports 1 2 3 4 5 6 7 8 (LH T R, LH T R)

TRAFFIC SIGNAL CONTROLLER
Ex. Econolite ASC/3

8

BLUE TUBE (EAST)

ORANGE TUBE (WEST)

EXISTING 24 STRAND DROP

EXISTING PATCH PANEL ENCLOSURE – 24 TERMINATION

BLUE TUBE
ORANGE TUBE

8

BLUE TUBE	BLUE TUBE
ORANGE TUBE	ORANGE TUBE
GREEN TUBE	GREEN TUBE
BROWN TUBE	BROWN TUBE
SLATE TUBE	SLATE TUBE
WHITE TUBE	WHITE TUBE
RED TUBE	RED TUBE
BLACK TUBE	BLACK TUBE
YELLOW TUBE	YELLOW TUBE
VIOLET TUBE	VIOLET TUBE
ROSE TUBE	ROSE TUBE
AQUA TUBE	AQUA TUBE

EXISTING 144 STRAND FOC

TO:
INT# SIGwpbc (future):: BACHMAN RD AT WINCHESTER PIKE

144 STRAND FOC

TO:
INT# 2203: GENDER RD. AT WINCHESTER PIKE
SEE SHEET 650

3 Cable Entries
148 Proposed Fusion Splices
148 Total Fusion Splices

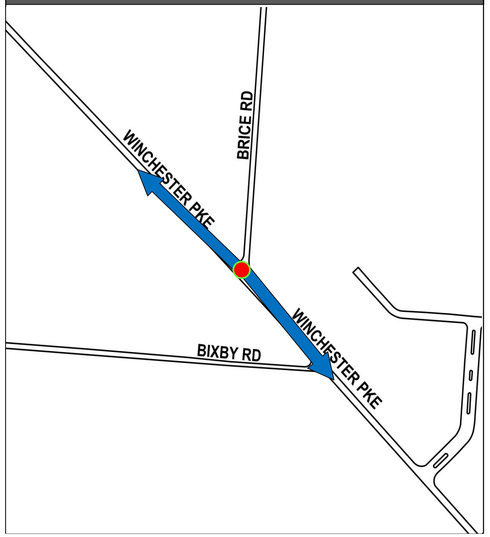
8

EXISTING AERIAL SPLICE ENCLOSURE

LEGEND

- FIBER PATCH CABLES T/R STANDARD
- FIBER PATCH CABLES R/T CROSSOVER
- EXISTING FIBER PATCH CABLES
- OUTDOOR CAT 5E CABLE
- INDOOR CAT 5E CABLE
- CAT 5E CABLE TO BE REMOVED
- TERMINATION PANEL UPC (Blue)/APC (Green)
- EXISTING/PROPOSED FIBER OR BUFFER TUBE LEFT COILED IN SPLICE ENCLOSURE
- FUSION SPLICE – 6 FIBERS/ SINGLE FIBER
- FUSION SPLICE – 12 FIBER BUFFER TUBE
- EXISTING FUSION SPLICE – 12 FIBER BUFFER TUBE
- INTERSECTION LOCATION
- LH ZX GBIC OPTICAL TRANSCEIVER LH - SHORT HAUL LED ZX – LONG HAUL LASER
- SFP/COPPER/CAT5/5E/6 CONNECTOR
- COPPER/CAT5/5E/6 CONNECTOR
- 144 STRAND SMF
- 288 STRAND SMF
- WIRELESS ETHERNET RADIO

KEY PLAN



8 DRAFT REVISION 8.0

INTERSECTION SIG4930

REFER TO SHEET 378 FOR CONSTRUCTION PLAN DETAILS
REFER TO SHEET 475 FOR COMM OVERVIEW DETAILS

CIP: 540007 - 100012
PID NUMBER: 99733

INT# SIG4930: BRICE RD. AT WINCHESTER PIKE
COMMUNICATIONS DIAGRAM

CITY OF COLUMBUS TRAFFIC SIGNAL SYSTEM
(CTSS) PHASE F – FINAL SUBMITTAL

649
768

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TRAFFIC SIGNAL CABINET ASSEMBLY

SWITCH	PORT	STATUS	DESTINATION	SHEET NO
1	2	PROPOSED	INT# 2216: GENDER RD. AT LEHMAN RD.	651
1	3	PROPOSED	INT# 2199: NOLBIXBY RD. AT WINCHESTER PIKE	642
1	10	PROPOSED	PROPOSED COMMUNICATION NODE# 033135.8: GENDER RD. AT US-33	747F

12

LAYER 2 ETHERNET SWITCH

1 2 7 8 9 10 11

LH LH

T R T R

1 2 3 4

12

TRAFFIC SIGNAL CONTROLLER
Proposed

10/100 Mbs

WIRELESS LINK TO
INT# 2216: GENDER RD. AT LEHMAN RD.
SEE SHEET 651

24 STRAND DROP

BLUE TUBE (SOUTH)

ORANGE TUBE (WEST)

PATCH PANEL ENCLOSURE – 24 TERMINATION

BLUE TUBE
ORANGE TUBE

144 STRAND FOC

BLUE TUBE
ORANGE TUBE
GREEN TUBE
BROWN TUBE
SLATE TUBE
WHITE TUBE
RED TUBE
BLACK TUBE
YELLOW TUBE
VIOLET TUBE
ROSE TUBE
AQUA TUBE

TO:
INT# SIG4930: BRICE RD. AT WINCHESTER PIKE
SEE SHEET 649

3 Cable Entries
144 Proposed Fusion Splices
2 Coiled Buffer Tubes

DOME, 288 FUSION SPLICE, AERIAL SPLICE ENCLOSURE

144 STRAND FOC

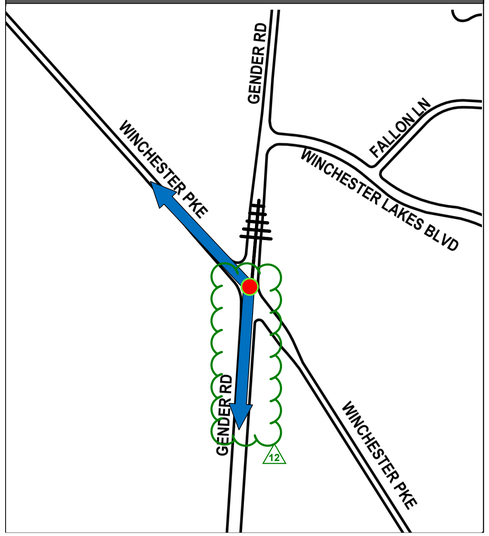
TO:
PROPOSED COMMUNICATION NODE# 033135.8: GENDER RD. AT US-33
SEE SHEET 747G

12 DRAFT REVISION 12.0

LEGEND

- FIBER PATCH CABLES T/R STANDARD
- FIBER PATCH CABLES R/T CROSSOVER
- EXISTING FIBER PATCH CABLES
- OUTDOOR CAT 5E CABLE
- INDOOR CAT 5E CABLE
- CAT 5E CABLE TO BE REMOVED
- TERMINATION PANEL UPC (Blue)/APC (Green)
- EXISTING/PROPOSED FIBER OR BUFFER TUBE LEFT COILED IN SPLICE ENCLOSURE
- FUSION SPLICE – 6 FIBERS/ SINGLE FIBER
- FUSION SPLICE – 12 FIBER BUFFER TUBE
- EXISTING FUSION SPLICE – 12 FIBER BUFFER TUBE
- INTERSECTION LOCATION
- GBIC OPTICAL TRANSCEIVER LH - SHORT HAUL LED ZX – LONG HAUL LASER
- SFP/COPPER/CAT5/5E/6 CONNECTOR
- COPPER/CAT5/5E/6 CONNECTOR
- 24 STRAND SMF
- 144 STRAND SMF
- 288 STRAND SMF

KEY PLAN



INTERSECTION 2203

REFER TO SHEET 382 FOR CONSTRUCTION PLAN DETAILS
REFER TO SHEET 475 FOR COMM OVERVIEW DETAILS

CIP: 540007 - 100060
PID NUMBER: 110521

INT# 2203: GENDER RD. AT WINCHESTER PIKE
COMMUNICATIONS DIAGRAM

CITY OF COLUMBUS TRAFFIC SIGNAL SYSTEM
(CTSS) PHASE F – FINAL SUBMITTAL

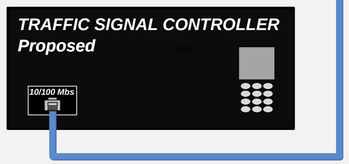
650
768

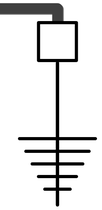
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TRAFFIC SIGNAL CABINET ASSEMBLY

SWITCH	PORT	STATUS	DESTINATION	SHEET NO
1	2	PROPOSED	INT# 2203: GENDER RD. AT WINCHESTER PIKE	650







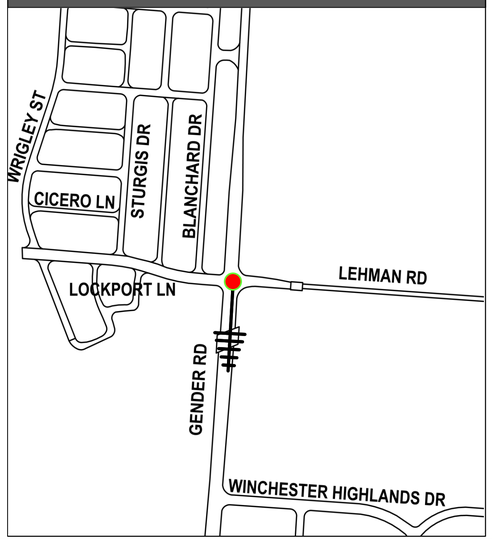
WIRELESS LINK TO
INT# 2203: GENDER
RD. AT WINCHESTER
PIKE

SEE SHEET 650

LEGEND

- FIBER PATCH CABLES T/R STANDARD
- FIBER PATCH CABLES R/T CROSSOVER
- EXISTING FIBER PATCH CABLES
- OUTDOOR CAT 5E CABLE
- INDOOR CAT 5E CABLE
- CAT 5E CABLE TO BE REMOVED
- TERMINATION PANEL UPC (Blue)/APC (Green)
- EXISTING/PROPOSED FIBER OR BUFFER TUBE LEFT COILED IN SPLICE ENCLOSURE
- FUSION SPLICE – 6 FIBERS/ SINGLE FIBER
- FUSION SPLICE – 12 FIBER BUFFER TUBE
- EXISTING FUSION SPLICE – 12 FIBER BUFFER TUBE
- INTERSECTION LOCATION
- GBIC OPTICAL TRANSCEIVER LH - SHORT HAUL LED ZX – LONG HAUL LASER
- SFP/COPPER/CAT5/5E/6 CONNECTOR
- COPPER/CAT5/5E/6 CONNECTOR
- 144 STRAND SMF
- 288 STRAND SMF
- WIRELESS ETHERNET RADIO

KEY PLAN



INTERSECTION 2216

REFER TO SHEET 384 FOR CONSTRUCTION PLAN DETAILS
REFER TO SHEET 475 FOR COMM OVERVIEW DETAILS

CIP: 540007 - 100012
PID NUMBER: 99733

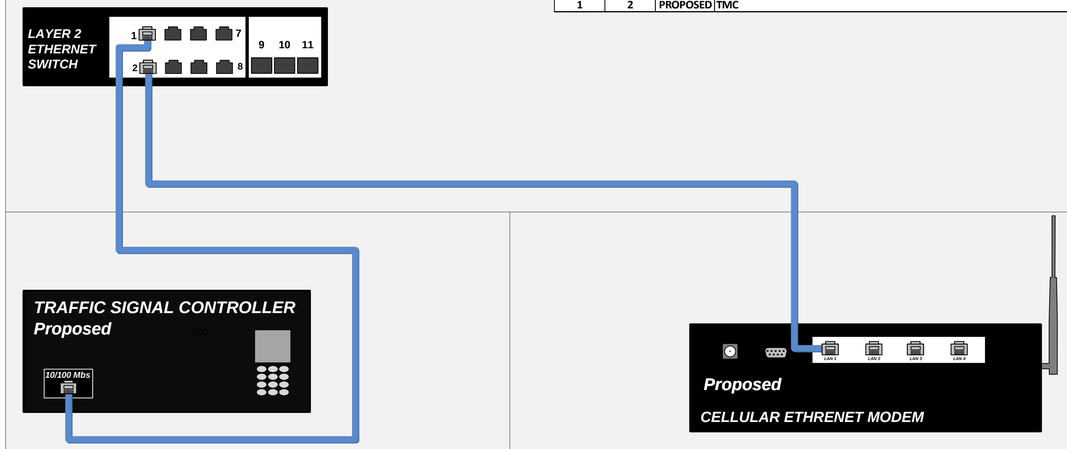
INT# 2216: GENDER RD. AT LEHMAN RD.
COMMUNICATIONS DIAGRAM

CITY OF COLUMBUS TRAFFIC SIGNAL SYSTEM
(CTSS) PHASE F – FINAL SUBMITTAL

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TRAFFIC SIGNAL CABINET ASSEMBLY

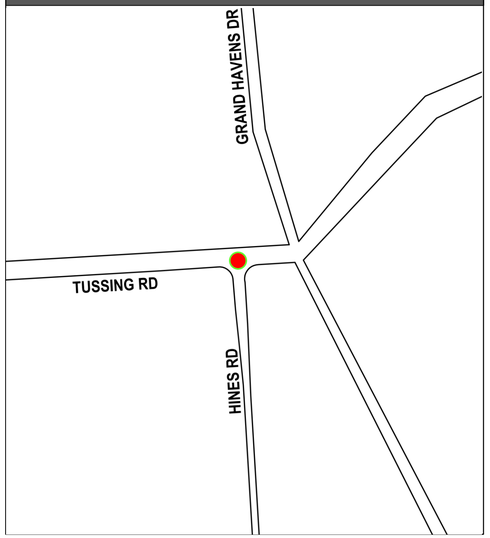
SWITCH	PORT	STATUS	DESTINATION	SHEET NO
1	2	PROPOSED	TMC	



LEGEND

- FIBER PATCH CABLES T/R STANDARD
- FIBER PATCH CABLES R/T CROSSOVER
- EXISTING FIBER PATCH CABLES
- OUTDOOR CAT 5E CABLE
- INDOOR CAT 5E CABLE
- CAT 5E CABLE TO BE REMOVED
- TERMINATION PANEL UPC (Blue)/APC (Green)
- EXISTING/PROPOSED FIBER OR BUFFER TUBE LEFT COILED IN SPLICE ENCLOSURE
- FUSION SPLICE – 6 FIBERS/ SINGLE FIBER
- FUSION SPLICE – 12 FIBER BUFFER TUBE
- EXISTING FUSION SPLICE – 12 FIBER BUFFER TUBE
- INTERSECTION LOCATION
- GBIC OPTICAL TRANSCEIVER LH - SHORT HAUL LED ZX – LONG HAUL LASER
- SFP/COPPER/CAT5/5E/6 CONNECTOR
- COPPER/CAT5/5E/6 CONNECTOR
- 144 STRAND SMF
- 288 STRAND SMF
- WIRELESS ETHERNET RADIO

KEY PLAN



INTERSECTION 2205

REFER TO SHEET 375 FOR CONSTRUCTION PLAN DETAILS
REFER TO SHEET 475 FOR COMM OVERVIEW DETAILS

CIP: 540007 - 100012
PID NUMBER: 99733

INT# 2205: HINES RD. AT TUSSING RD.
COMMUNICATIONS DIAGRAM

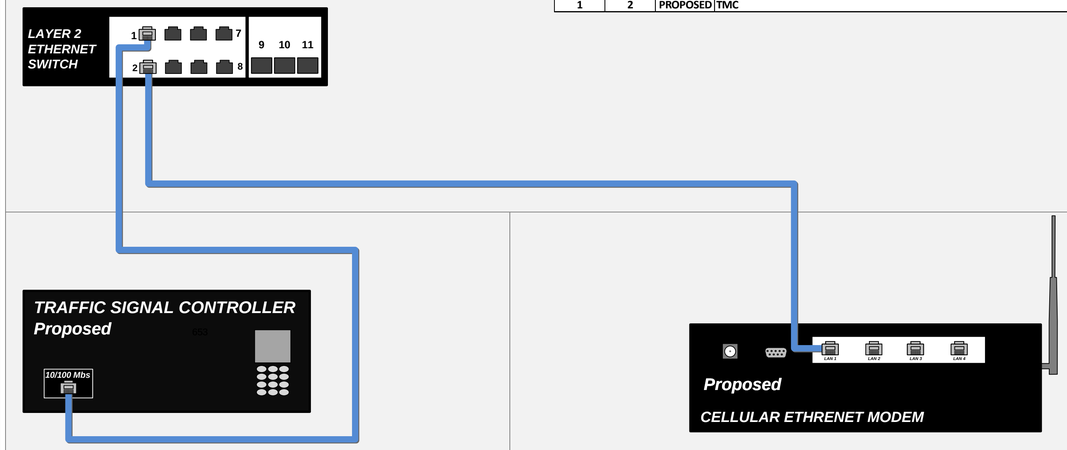
CITY OF COLUMBUS TRAFFIC SIGNAL SYSTEM
(CTSS) PHASE F – FINAL SUBMITTAL

652
768

\\colw00\pmwork\Jobs\70202 - CTSS Phase F\TECHPROD\Communications\Intersection Splicing Details\645-667.vsd - 2205 layout ~ last saved by: skoganti 6/1/2022 10:59:50 AM ~ printed: 6/1/2022 10:59:50 AM

TRAFFIC SIGNAL CABINET ASSEMBLY

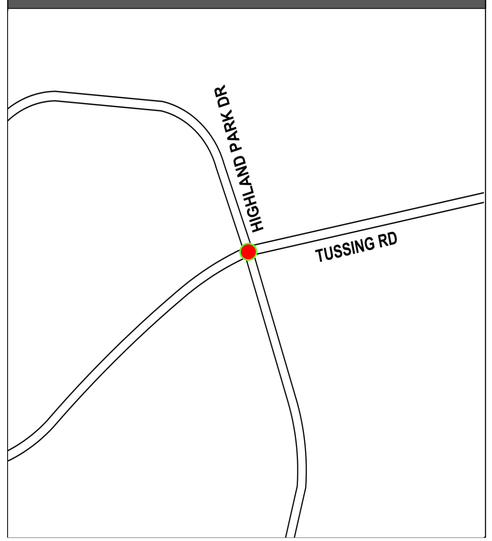
SWITCH	PORT	STATUS	DESTINATION	SHEET NO
1	2	PROPOSED	TMC	



LEGEND

- FIBER PATCH CABLES T/R STANDARD
- FIBER PATCH CABLES R/T CROSSOVER
- EXISTING FIBER PATCH CABLES
- OUTDOOR CAT 5E CABLE
- INDOOR CAT 5E CABLE
- CAT 5E CABLE TO BE REMOVED
- TERMINATION PANEL UPC (Blue)/APC (Green)
- EXISTING/PROPOSED FIBER OR BUFFER TUBE LEFT COILED IN SPLICE ENCLOSURE
- FUSION SPLICE – 6 FIBERS/ SINGLE FIBER
- FUSION SPLICE – 12 FIBER BUFFER TUBE
- EXISTING FUSION SPLICE – 12 FIBER BUFFER TUBE
- INTERSECTION LOCATION
- GBIC OPTICAL TRANSCEIVER LH - SHORT HAUL LED ZX – LONG HAUL LASER (LH, ZX)
- SFP/COPPER/CAT5/5E/6 CONNECTOR
- COPPER/CAT5/5E/6 CONNECTOR
- 144 STRAND SMF
- 288 STRAND SMF
- WIRELESS ETHERNET RADIO

KEY PLAN



INTERSECTION 2219

REFER TO SHEET 376 FOR CONSTRUCTION PLAN DETAILS
REFER TO SHEET 475 FOR COMM OVERVIEW DETAILS

CIP: 540007 - 100012
PID NUMBER: 99733

INT# 2219: HIGHLAND PARK DR. AT TUSSING RD.
COMMUNICATIONS DIAGRAM

CITY OF COLUMBUS TRAFFIC SIGNAL SYSTEM
(CTSS) PHASE F – FINAL SUBMITTAL

653
768

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TRAFFIC SIGNAL CABINET ASSEMBLY

SWITCH	PORT	STATUS	DESTINATION	SHEET NO
1	9	EXISTING	EXISTING CONNECTION TO INT# 2080: DERING AVE. AT PARSONS AVE.	
1	10	EXISTING	EXISTING CONNECTION TO INT# 2186: PARSONS AVE. AT OBETZ RD.	
1	**11**	**REVISED**	**INT# 2084: LOCKBOURNE RD. AT WILLIAMS RD.**	**655**

LAYER 2 ETHERNET SWITCH

ETHERNET CABLE

PROPOSED CCTV

TERMINAL PORT SERVER

TRAFFIC SIGNAL CONTROLLER
Ex. Econolite ASC/2S-2100

BLUE TUBE (NORTH)

ORANGE TUBE (SOUTH)

BLUE TUBE (EAST)

ORANGE TUBE (SPARE)

EXISTING PATCH PANEL ENCLOSURES: (2) - 24 TERMINATION

EXISTING 24 STRAND DROP

EXISTING 24 STRAND DROP

EXISTING 144 STRAND FOC

TO:
INT# 2080: DERING AVE AT PARSONS AVE

BLUE TUBE
ORANGE TUBE
GREEN TUBE
BROWN TUBE
SLATE TUBE
WHITE TUBE
RED TUBE
BLACK TUBE
YELLOW TUBE
VIOLET TUBE
ROSE TUBE
AQUA TUBE

BLUE TUBE
ORANGE TUBE

BLUE TUBE
ORANGE TUBE

288SMF CABLE EAST WILLIAMS RD

TO:
INT# 2084:
LOCKBOURNE RD.
AT WILLIAMS RD.
SEE SHEET 655

EXISTING AERIAL SPLICE ENCLOSURE

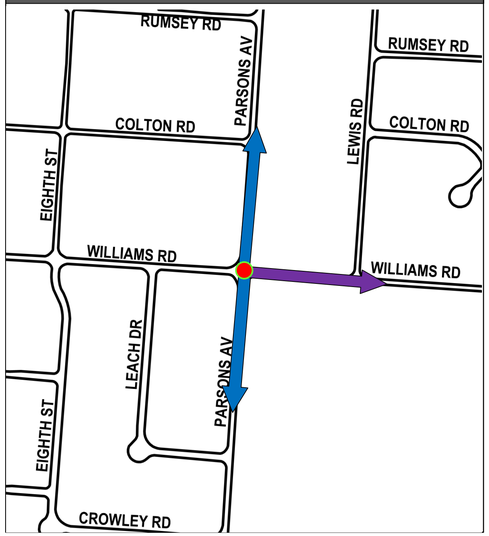
EXISTING 144 STRAND FOC

TO:
INT# 2186: PARSONS AVE AT OBETZ RD

LEGEND

- FIBER PATCH CABLES T/R STANDARD
- FIBER PATCH CABLES R/T CROSSOVER
- EXISTING FIBER PATCH CABLES
- OUTDOOR CAT 5E CABLE
- INDOOR CAT 5E CABLE
- CAT 5E CABLE TO BE REMOVED
- TERMINATION PANEL UPC (Blue)/APC (Green)
- EXISTING/PROPOSED FIBER OR BUFFER TUBE LEFT COILED IN SPLICE ENCLOSURE
- FUSION SPLICE – 6 FIBERS/ SINGLE FIBER
- FUSION SPLICE – 12 FIBER BUFFER TUBE
- EXISTING FUSION SPLICE – 12 FIBER BUFFER TUBE
- INTERSECTION LOCATION
- GBIC OPTICAL TRANSCEIVER LH - SHORT HAUL LED ZX – LONG HAUL LASER
- SFP/COPPER/CAT5/5E/6 CONNECTOR
- COPPER/CAT5/5E/6 CONNECTOR
- 144 STRAND SMF
- 288 STRAND SMF
- WIRELESS ETHERNET RADIO

KEY PLAN



INTERSECTION 2083

REFER TO SHEET 434 FOR CONSTRUCTION PLAN DETAILS
REFER TO SHEET 481 FOR COMM OVERVIEW DETAILS

CIP: 540007 - 100012
PID NUMBER: 99733

INT# 2083: PARSONS AVE. AT WILLIAMS RD.
COMMUNICATIONS DIAGRAM

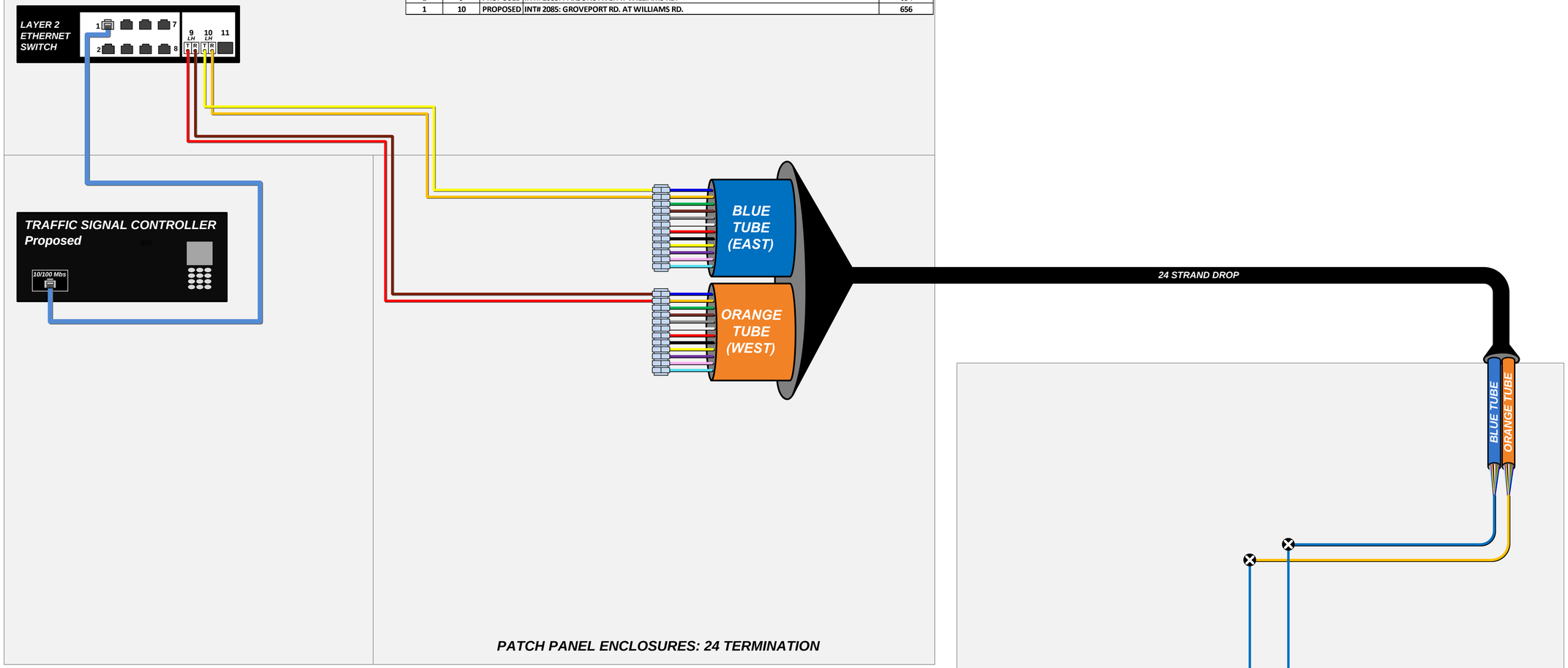
CITY OF COLUMBUS TRAFFIC SIGNAL SYSTEM
(CTSS) PHASE F – FINAL SUBMITTAL

654
768

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TRAFFIC SIGNAL CABINET ASSEMBLY

SWITCH	PORT	STATUS	DESTINATION	SHEET NO
1	9	PROPOSED	INT# 2083: PARSONS AVE. AT WILLIAMS RD.	654
1	10	PROPOSED	INT# 2085: GROVEPORT RD. AT WILLIAMS RD.	656



TO:
INT# 2083: PARSONS AVE. AT WILLIAMS RD.
SEE SHEET 654

TO:
INT# 2085: GROVEPORT RD. AT WILLIAMS RD.
SEE SHEET 656

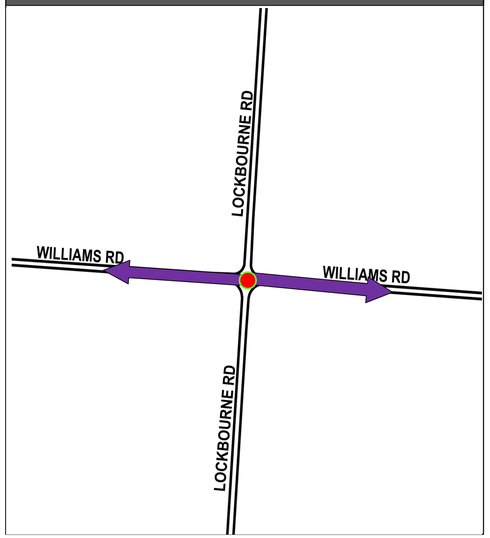
3 Cable Entries
24 Proposed Fusion Splices
23 Buffer Tubes Passed Through Unspliced

DOME, 288 FUSION SPLICE, AERIAL SPLICE ENCLOSURE

LEGEND

- FIBER PATCH CABLES T/R STANDARD
- FIBER PATCH CABLES R/T CROSSOVER
- EXISTING FIBER PATCH CABLES
- OUTDOOR CAT 5E CABLE
- INDOOR CAT 5E CABLE
- CAT 5E CABLE TO BE REMOVED
- TERMINATION PANEL UPC (Blue)/APC (Green)
- EXISTING/PROPOSED FIBER OR BUFFER TUBE LEFT COILED IN SPLICE ENCLOSURE
- FUSION SPLICE – 6 FIBERS/ SINGLE FIBER
- FUSION SPLICE – 12 FIBER BUFFER TUBE
- EXISTING FUSION SPLICE – 12 FIBER BUFFER TUBE
- INTERSECTION LOCATION
- GBIC OPTICAL TRANSCEIVER LH - SHORT HAUL LED ZX – LONG HAUL LASER
- SFP/COPPER/CAT5/5E/6 CONNECTOR
- COPPER/CAT5/5E/6 CONNECTOR
- 144 STRAND SMF
- 288 STRAND SMF
- WIRELESS ETHERNET RADIO

KEY PLAN



INTERSECTION 2084

REFER TO SHEET 319 FOR CONSTRUCTION PLAN DETAILS
REFER TO SHEET 481 FOR COMM OVERVIEW DETAILS

CIP: 540007 - 100012
PID NUMBER: 99733

INT# 2084: LOCKBOURNE RD. AT WILLIAMS RD.
COMMUNICATIONS DIAGRAM

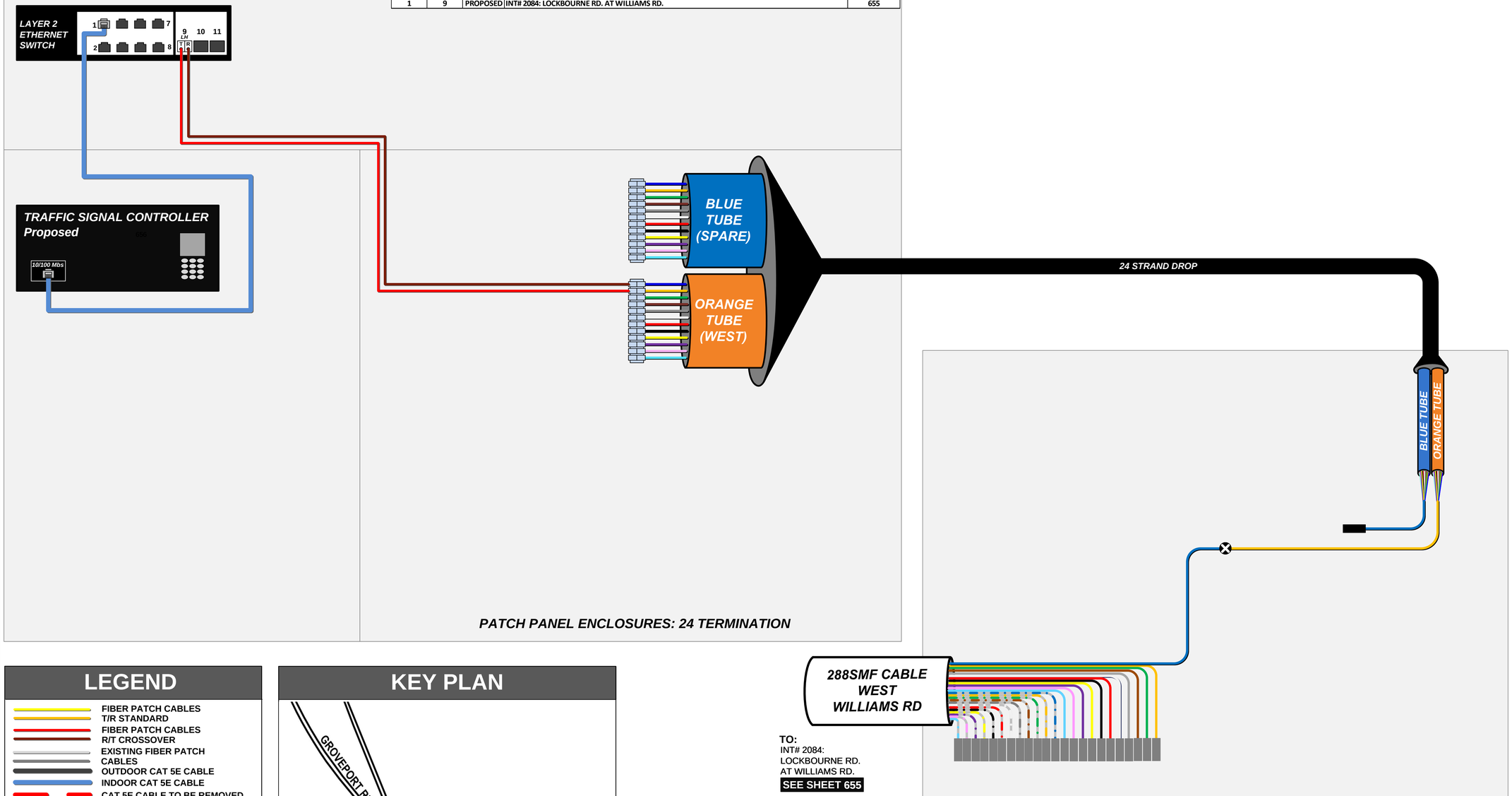
CITY OF COLUMBUS TRAFFIC SIGNAL SYSTEM
(CTSS) PHASE F – FINAL SUBMITTAL

655
768

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TRAFFIC SIGNAL CABINET ASSEMBLY

SWITCH	PORT	STATUS	DESTINATION	SHEET NO
1	9	PROPOSED	INT# 2084: LOCKBOURNE RD. AT WILLIAMS RD.	655



PATCH PANEL ENCLOSURES: 24 TERMINATION

TO:
INT# 2084:
LOCKBOURNE RD.
AT WILLIAMS RD.
SEE SHEET 655

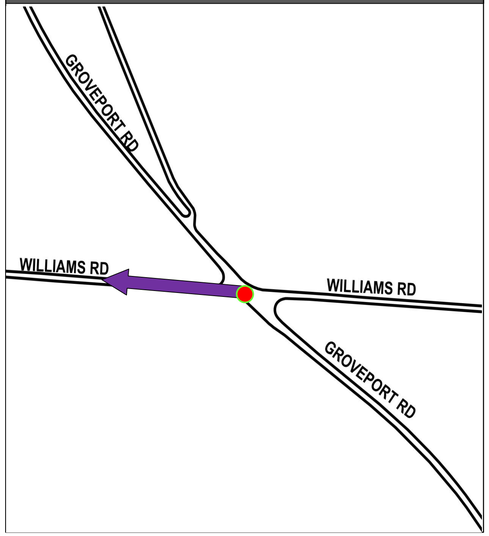
2 Cable Entries
12 Proposed Fusion Splices
24 Coiled buffer tubes

EXISTING AERIAL SPLICE ENCLOSURE

LEGEND

- FIBER PATCH CABLES T/R STANDARD
- FIBER PATCH CABLES R/T CROSSOVER
- EXISTING FIBER PATCH CABLES
- OUTDOOR CAT 5E CABLE
- INDOOR CAT 5E CABLE
- CAT 5E CABLE TO BE REMOVED
- TERMINATION PANEL UPC (Blue)/APC (Green)
- EXISTING/PROPOSED FIBER OR BUFFER TUBE LEFT COILED IN SPLICE ENCLOSURE
- FUSION SPLICE – 6 FIBERS/ SINGLE FIBER
- FUSION SPLICE – 12 FIBER BUFFER TUBE
- EXISTING FUSION SPLICE – 12 FIBER BUFFER TUBE
- INTERSECTION LOCATION
- GBIC OPTICAL TRANSCEIVER LH - SHORT HAUL LED ZX – LONG HAUL LASER
- SFP/COPPER/CAT5/5E/6 CONNECTOR
- COPPER/CAT5/5E/6 CONNECTOR
- 144 STRAND SMF
- 288 STRAND SMF
- WIRELESS ETHERNET RADIO

KEY PLAN



INTERSECTION 2085

REFER TO SHEET 320 FOR CONSTRUCTION PLAN DETAILS
REFER TO SHEET 481 FOR COMM OVERVIEW DETAILS

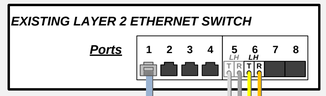
CIP: 540007 - 100012
PID NUMBER: 99733

INT# 2085: GROVEPORT RD. AT WILLIAMS RD.
COMMUNICATIONS DIAGRAM

CITY OF COLUMBUS TRAFFIC SIGNAL SYSTEM
(CTSS) PHASE F – FINAL SUBMITTAL

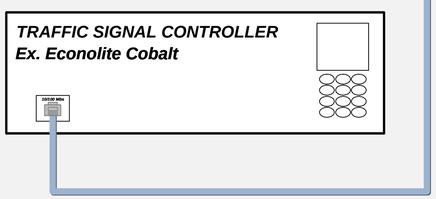
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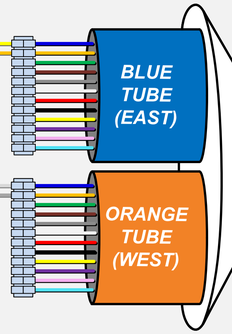
TRAFFIC SIGNAL CABINET ASSEMBLY



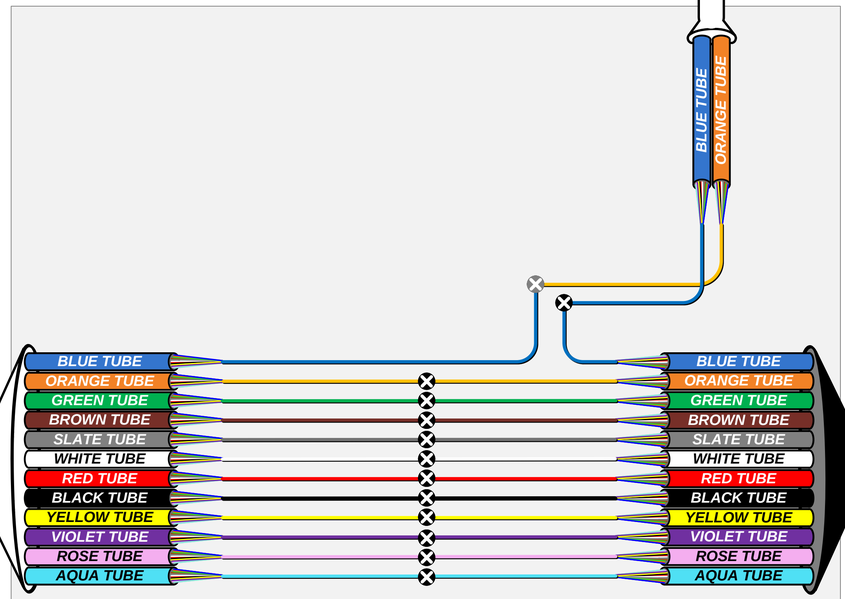
SWITCH	PORT	STATUS	DESTINATION	SHEET NO
1	5	EXISTING	INT# 4217: RENNER RD. AT WESTPOINTE PLAZA DR.	
1	6	PROPOSED	EXISTING CONNECTION TO COMMUNICATION NODE 270009.3: I-270 AT TRABUE RD.	658A

10





EXISTING 24 STRAND DROP



EXISTING PATCH PANEL ENCLOSURE – 24 TERMINATION

EXISTING 144 STRAND FOC

TO:
INT# 4217: RENNER RD AT WESTPOINTE PLAZA DR

144 STRAND FOC

TO:
INT# SIG4895: TRABUE RD. AT TRABUE WOODS BLVD.
SEE SHEET 658

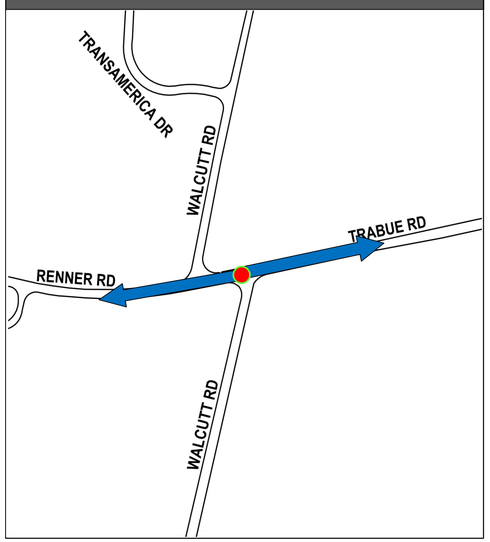
3 Cable Entries
144 Proposed Fusion Splices
156 Total Fusion Splices

EXISTING AERIAL SPLICE ENCLOSURE

LEGEND

- FIBER PATCH CABLES T/R STANDARD
- FIBER PATCH CABLES R/T CROSSOVER
- EXISTING FIBER PATCH CABLES
- OUTDOOR CAT 5E CABLE
- INDOOR CAT 5E CABLE
- CAT 5E CABLE TO BE REMOVED
- TERMINATION PANEL UPC (Blue)/APC (Green)
- EXISTING/PROPOSED FIBER OR BUFFER TUBE LEFT COILED IN SPLICE ENCLOSURE
- FUSION SPLICE – 6 FIBERS/ SINGLE FIBER
- FUSION SPLICE – 12 FIBER BUFFER TUBE
- EXISTING FUSION SPLICE – 12 FIBER BUFFER TUBE
- INTERSECTION LOCATION
- LH / ZX GBIC OPTICAL TRANSCEIVER LH - SHORT HAUL LED ZX – LONG HAUL LASER
- SFP/COPPER/CAT5/5E/6 CONNECTOR
- COPPER/CAT5/5E/6 CONNECTOR
- 144 STRAND SMF
- 288 STRAND SMF
- WIRELESS ETHERNET RADIO

KEY PLAN



10 DRAFT REVISION 10.0

INTERSECTION 4230

REFER TO SHEET 278 FOR CONSTRUCTION PLAN DETAILS
REFER TO SHEET 481 FOR COMM OVERVIEW DETAILS

CIP: 540007 - 100012
PID NUMBER: 99733

INT# 4230: TRABUE RD. AT WALCUTT RD.
COMMUNICATIONS DIAGRAM

CITY OF COLUMBUS TRAFFIC SIGNAL SYSTEM
(CTSS) PHASE F – FINAL SUBMITTAL

657
768

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TRAFFIC SIGNAL CABINET ASSEMBLY

SWITCH	PORT	STATUS	DESTINATION	SHEET NO
1	6	PROPOSED	EXISTING CONNECTION TO COMMUNICATION NODE 270009.3: I-270 AT TRABUE RD.	658A

10

EXISTING LAYER 2 ETHERNET SWITCH

Ports 1 2 3 4 5 6 7 8 (LH, TR)

TERMINAL PORT SERVER

10/100 Mbs | RS232 #1 | RS232 #2

TRAFFIC SIGNAL CONTROLLER
Ex. Econolite ASC/2S-2100

10/100 Mbs

BLUE TUBE (EAST)

ORANGE TUBE (WEST)

EXISTING 24 STRAND DROP

EXISTING PATCH PANEL ENCLOSURE – 24 TERMINATION

BLUE TUBE | ORANGE TUBE

BLUE TUBE
ORANGE TUBE
GREEN TUBE
BROWN TUBE
SLATE TUBE
WHITE TUBE
RED TUBE
BLACK TUBE
YELLOW TUBE
VIOLET TUBE
ROSE TUBE
AQUA TUBE

144 STRAND FOC

TO:
INT# 4230: TRABUE RD.
AT WALCUTT RD.
SEE SHEET 657

3 Cable Entries
12 Coiled Fibers
150 Proposed Fusion Splices
150 Total Fusion Splices

EXISTING AERIAL SPLICE ENCLOSURE

EXISTING 144 STRAND FOC

TO:
EXISTING COMMUNICATION NODE# 270009.3: I-270 AT TRABUE RD
SEE SHEET 658A

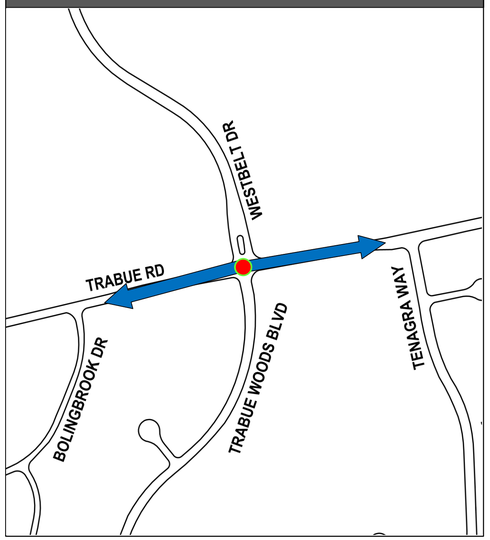
10

For sheet 658A, see page 775 of this document

LEGEND

- FIBER PATCH CABLES T/R STANDARD
- FIBER PATCH CABLES R/T CROSSOVER
- EXISTING FIBER PATCH CABLES
- OUTDOOR CAT 5E CABLE
- INDOOR CAT 5E CABLE
- CAT 5E CABLE TO BE REMOVED
- TERMINATION PANEL UPC (Blue)/APC (Green)
- EXISTING/PROPOSED FIBER OR BUFFER TUBE LEFT COILED IN SPLICE ENCLOSURE
- FUSION SPLICE – 6 FIBERS/ SINGLE FIBER
- FUSION SPLICE – 12 FIBER BUFFER TUBE
- EXISTING FUSION SPLICE – 12 FIBER BUFFER TUBE
- INTERSECTION LOCATION
- GBIC OPTICAL TRANSCEIVER LH - SHORT HAUL LED ZX – LONG HAUL LASER
- SFP/COPPER/CAT5/5E/6 CONNECTOR
- COPPER/CAT5/5E/6 CONNECTOR
- 144 STRAND SMF
- 288 STRAND SMF
- WIRELESS ETHERNET RADIO

KEY PLAN



10 DRAFT REVISION 10.0

INTERSECTION SIG4895

REFER TO SHEET 282 FOR CONSTRUCTION PLAN DETAILS
REFER TO SHEET 481 FOR COMM OVERVIEW DETAILS

CIP: 540007 - 100012
PID NUMBER: 99733

INT# SIG4895: TRABUE RD. AT TRABUE WOODS BLVD.
COMMUNICATIONS DIAGRAM

CITY OF COLUMBUS TRAFFIC SIGNAL SYSTEM
(CTSS) PHASE F – FINAL SUBMITTAL

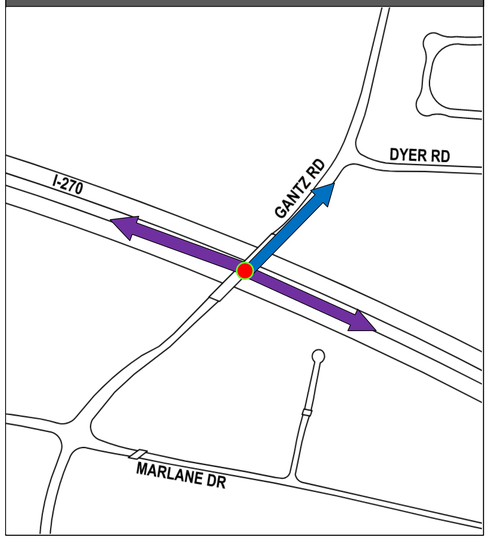
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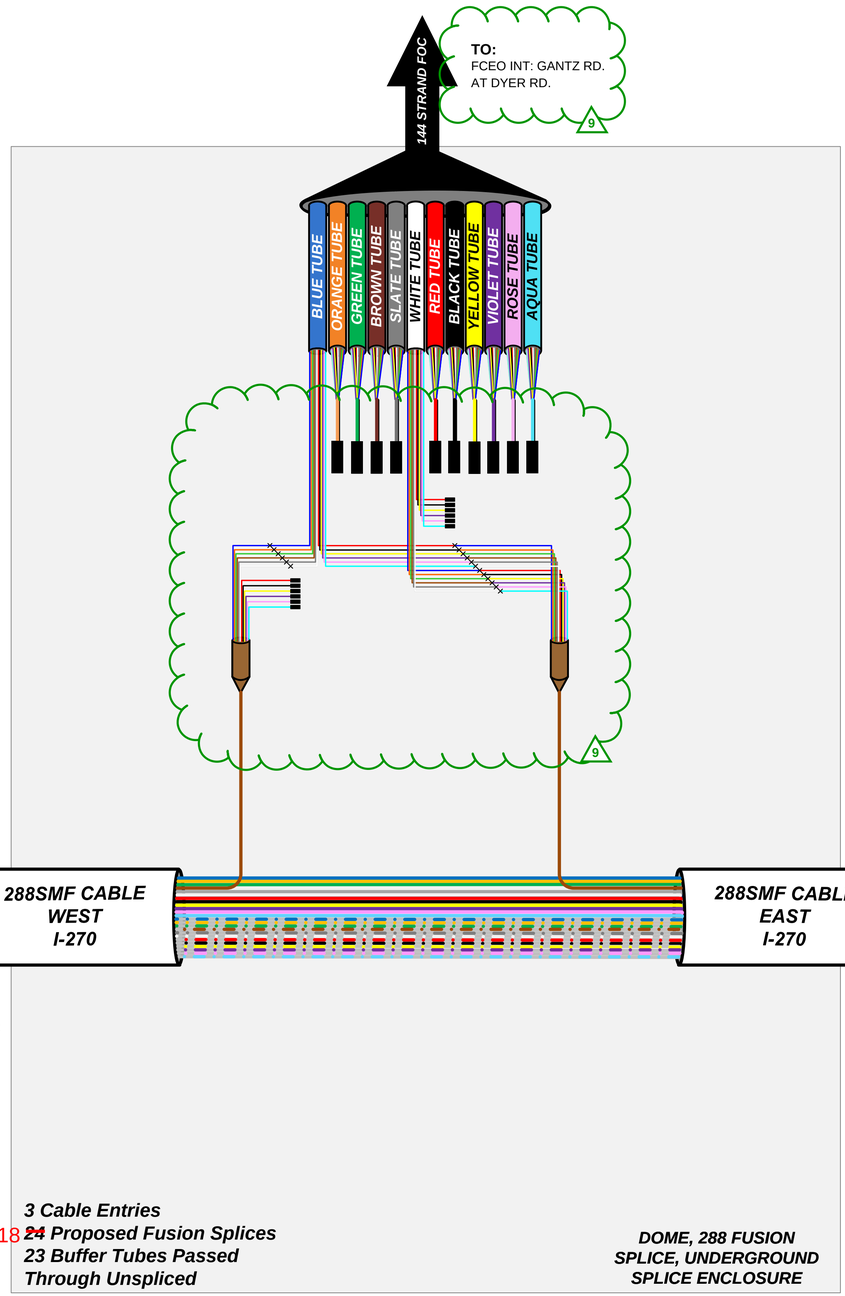
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LEGEND

- FIBER PATCH CABLES T/R STANDARD
- FIBER PATCH CABLES R/T CROSSOVER
- EXISTING FIBER PATCH CABLES
- OUTDOOR CAT 5E CABLE
- INDOOR CAT 5E CABLE
- CAT 5E CABLE TO BE REMOVED
- TERMINATION PANEL UPC (Blue)/APC (Green)
- EXISTING/PROPOSED FIBER OR BUFFER TUBE LEFT COILED IN SPLICE ENCLOSURE
- FUSION SPLICE – 6 FIBERS/ SINGLE FIBER
- FUSION SPLICE – 12 FIBER BUFFER TUBE
- EXISTING FUSION SPLICE – 12 FIBER BUFFER TUBE
- INTERSECTION LOCATION
- LH ZX — GBIC OPTICAL TRANSCEIVER LH - SHORT HAUL LED ZX – LONG HAUL LASER
- SFP/COPPER/CAT5/5E/6 CONNECTOR
- COPPER/CAT5/5E/6 CONNECTOR
- 144 STRAND SMF
- 288 STRAND SMF
- WIRELESS ETHERNET RADIO

KEY PLAN





TO:
EXISTING COMMUNICATION NODE# 270002.1: HARRISBURG PKE. AT I-270
SEE SHEET 739

TO:
EXISTING COMMUNICATION NODE# 270055.0: I-270 AT I-71
SEE SHEET 740

3 Cable Entries
18 ~~24~~ Proposed Fusion Splices
23 Buffer Tubes Passed Through Unspliced

DOME, 288 FUSION SPLICE, UNDERGROUND SPLICE ENCLOSURE

9 **DRAFT REVISION 9.0**

SPLICE-03

REFER TO SHEET 298 FOR CONSTRUCTION PLAN DETAILS
REFER TO SHEET 481 FOR COMM OVERVIEW DETAILS

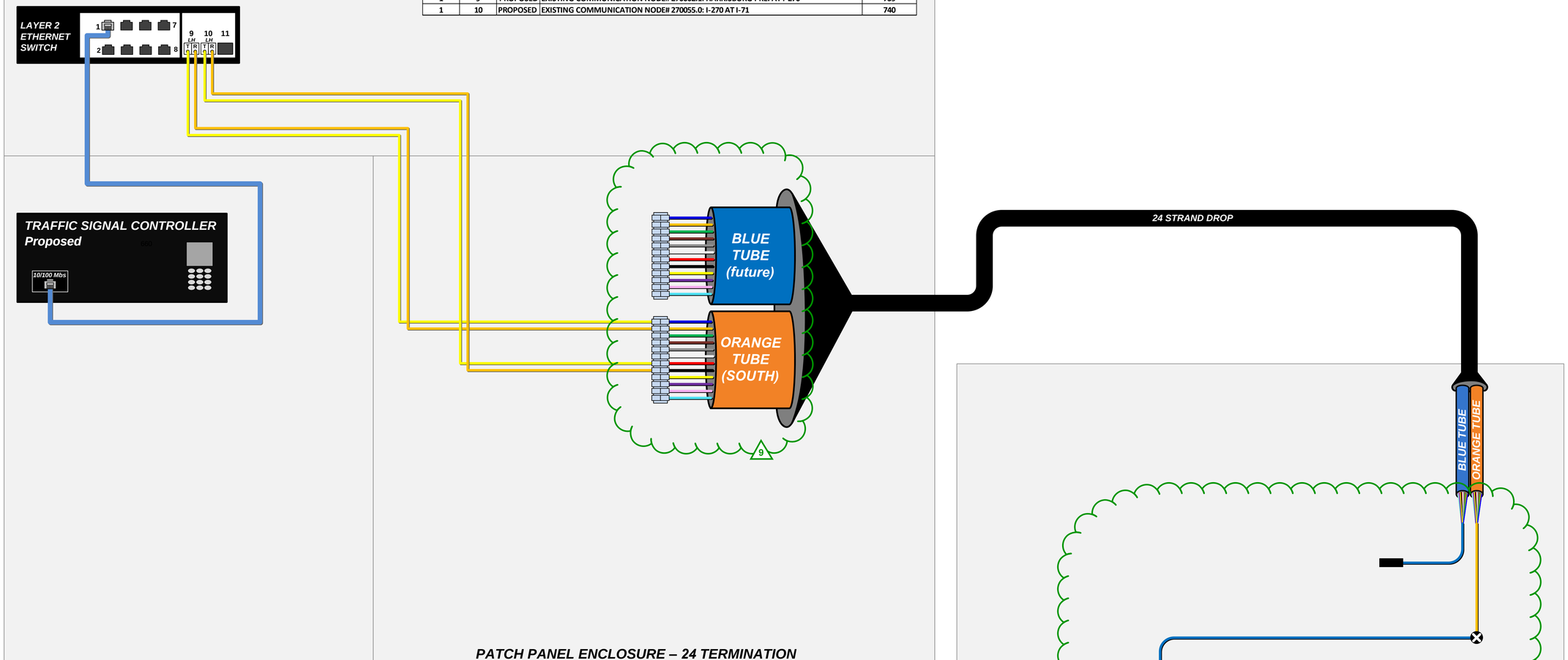
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PID NUMBER: 99733

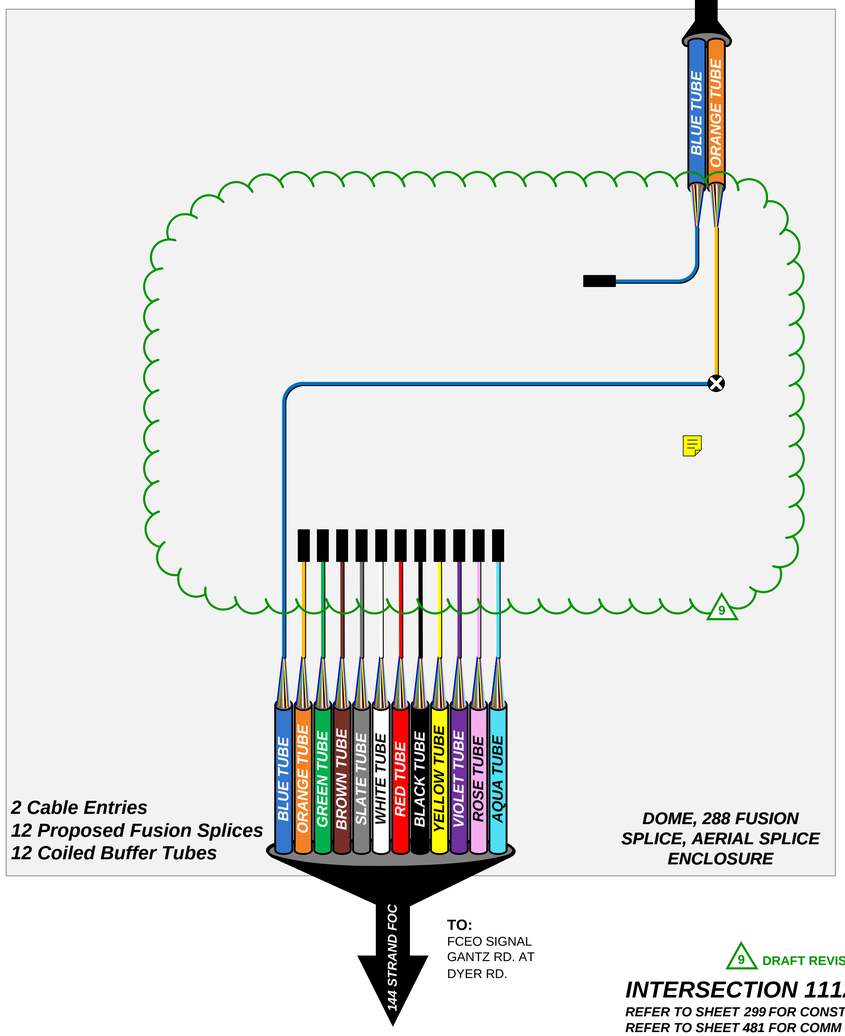
SPLICE-03: GANTZ RD. AT I-270
COMMUNICATIONS DIAGRAM

CITY OF COLUMBUS TRAFFIC SIGNAL SYSTEM
(CTSS) PHASE F – FINAL SUBMITTAL

TRAFFIC SIGNAL CABINET ASSEMBLY

SWITCH	PORT	STATUS	DESTINATION	SHEET NO
1	9	PROPOSED	EXISTING COMMUNICATION NODE# 270002.1: HARRISBURG PKE. AT I-270	739
1	10	PROPOSED	EXISTING COMMUNICATION NODE# 270055.0: I-270 AT I-71	740

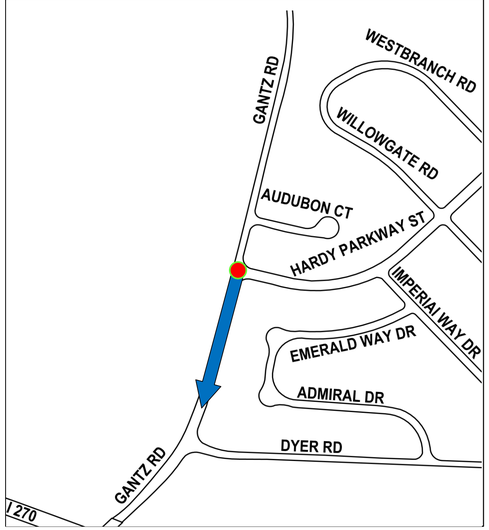




LEGEND

- FIBER PATCH CABLES T/R STANDARD
- FIBER PATCH CABLES R/T CROSSOVER
- EXISTING FIBER PATCH CABLES
- OUTDOOR CAT 5E CABLE
- INDOOR CAT 5E CABLE
- CAT 5E CABLE TO BE REMOVED
- TERMINATION PANEL UPC (Blue)/APC (Green)
- EXISTING/PROPOSED FIBER OR BUFFER TUBE LEFT COILED IN SPLICE ENCLOSURE
- FUSION SPLICE – 6 FIBERS/ SINGLE FIBER
- FUSION SPLICE – 12 FIBER BUFFER TUBE
- EXISTING FUSION SPLICE – 12 FIBER BUFFER TUBE
- INTERSECTION LOCATION
- GBIC OPTICAL TRANSCEIVER LH - SHORT HAUL LED ZX – LONG HAUL LASER
- SFP/COPPER/CAT5/5E/6 CONNECTOR
- COPPER/CAT5/5E/6 CONNECTOR
- 144 STRAND SMF
- 288 STRAND SMF
- WIRELESS ETHERNET RADIO

KEY PLAN



9 DRAFT REVISION 9.0

INTERSECTION 1112

REFER TO SHEET 299 FOR CONSTRUCTION PLAN DETAILS
REFER TO SHEET 481 FOR COMM OVERVIEW DETAILS

CIP: 540007 - 100012
PID NUMBER: 99733

INT# 1112: GANTZ RD. AT HARDY PKWY.
COMMUNICATIONS DIAGRAM

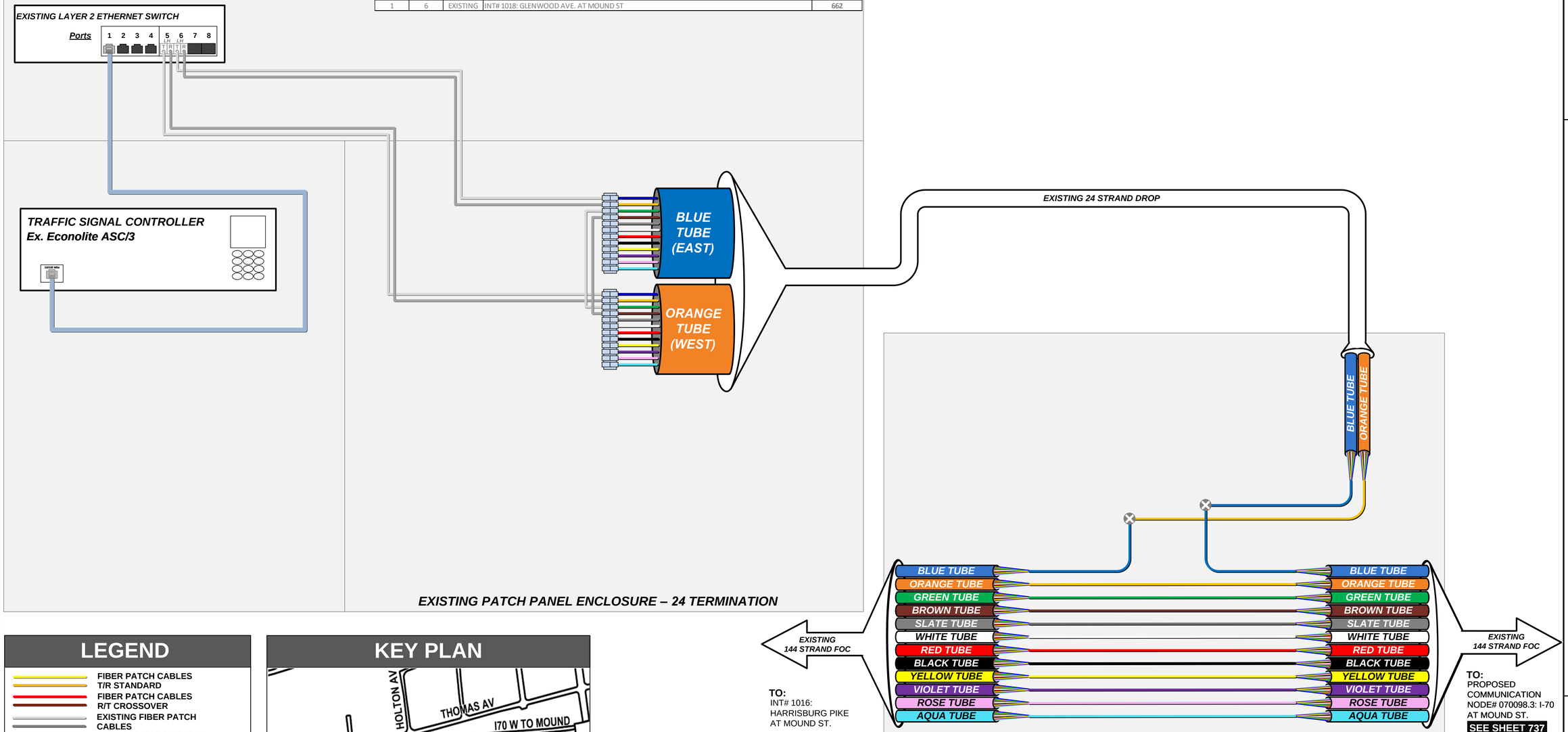
CITY OF COLUMBUS TRAFFIC SIGNAL SYSTEM
(CTSS) PHASE F – FINAL SUBMITTAL

660
768

J:\Jobs\70202 - CTSS Phase F\TECH\PROD\Communications\Intersection Splicing Details\645-667.vsd - 1112 layout ~ last saved by: skoganti 4/3/2024 5:49:19 PM ~ printed: 4/3/2024 5:49:19 PM

TRAFFIC SIGNAL CABINET ASSEMBLY

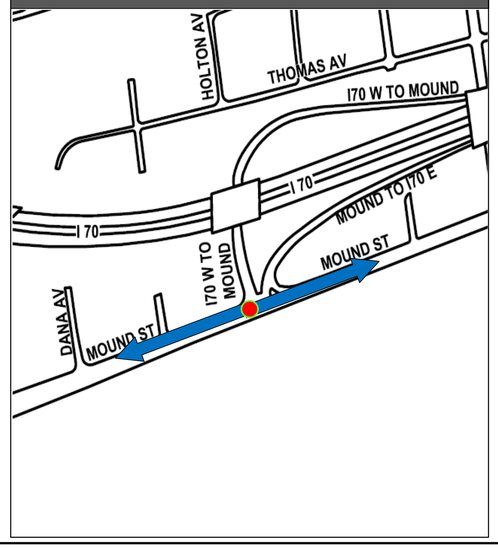
SWITCH	PORT	STATUS	DESTINATION	SHEET NO
1	5	EXISTING	EXISTING CONNECTION TO INT# 1082: BELVIDERE AVE. AT MOUND ST.	
1	6	EXISTING	INT# 1018: GLENWOOD AVE. AT MOUND ST	662



LEGEND

- FIBER PATCH CABLES T/R STANDARD
- FIBER PATCH CABLES R/T CROSSOVER
- EXISTING FIBER PATCH CABLES
- OUTDOOR CAT 5E CABLE
- INDOOR CAT 5E CABLE
- CAT 5E CABLE TO BE REMOVED
- TERMINATION PANEL UPC (Blue)/APC (Green)
- EXISTING/PROPOSED FIBER OR BUFFER TUBE LEFT COILED IN SPLICE ENCLOSURE
- FUSION SPLICE – 6 FIBERS/ SINGLE FIBER
- FUSION SPLICE – 12 FIBER BUFFER TUBE
- EXISTING FUSION SPLICE – 12 FIBER BUFFER TUBE
- INTERSECTION LOCATION
- GBIC OPTICAL TRANSCEIVER LH - SHORT HAUL LED ZX – LONG HAUL LASER
- SFP/COPPER/CAT5/5E/6 CONNECTOR
- COPPER/CAT5/5E/6 CONNECTOR
- 144 STRAND SMF
- 288 STRAND SMF
- WIRELESS ETHERNET RADIO

KEY PLAN



NOTES

SHEET SHOWN FOR REFERENCE ONLY. NO PROPOSED WORK IS PERFORMED ON THIS SHEET.

INTERSECTION 1019

REFER TO SHEET 476 FOR COMM OVERVIEW DETAILS

CIP: 540007 - 100012
PID NUMBER: 99733

INT# 1019: I-70 RAMPS AT MOUND ST.
COMMUNICATIONS DIAGRAM

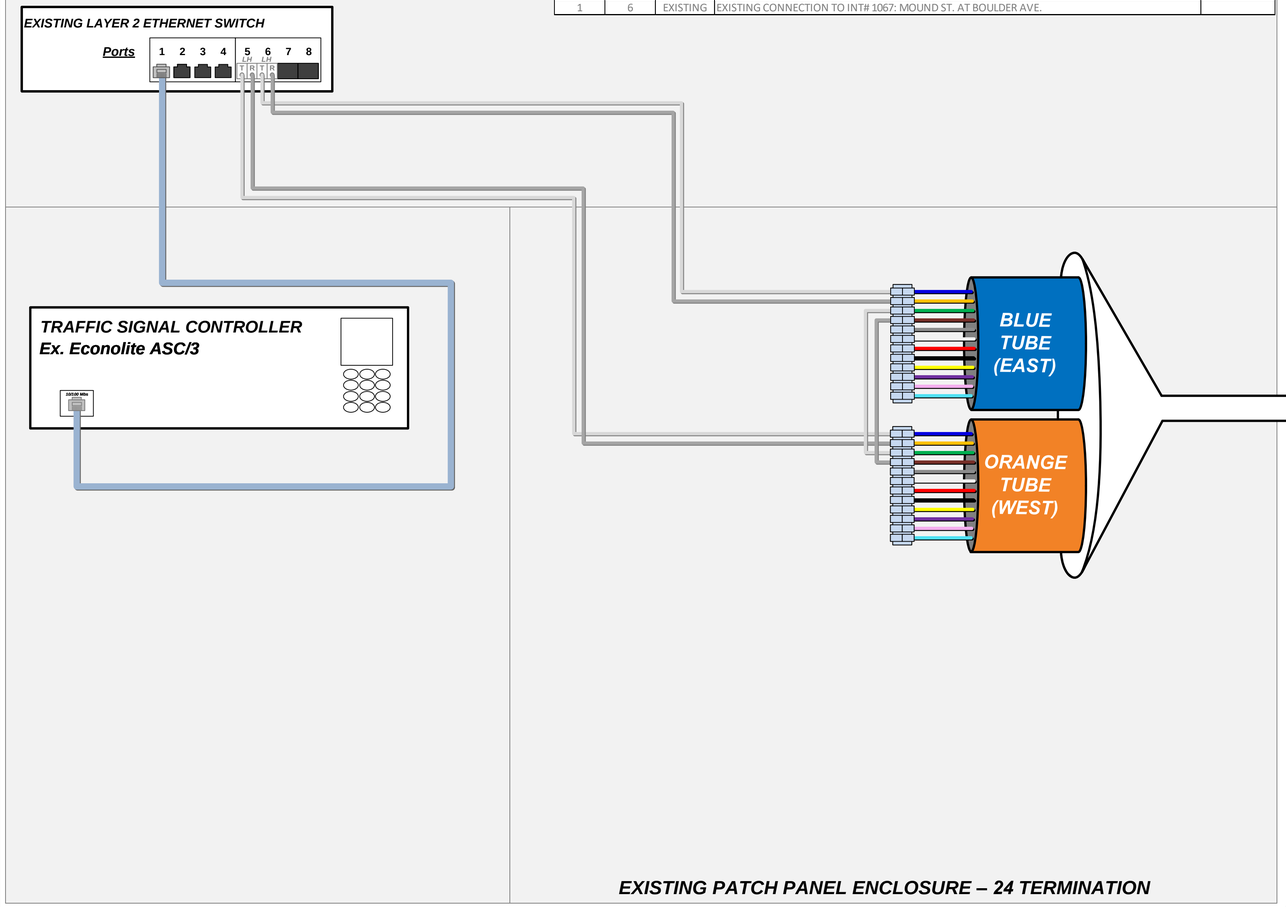
CITY OF COLUMBUS TRAFFIC SIGNAL SYSTEM
(CTSS) PHASE F – FINAL SUBMITTAL

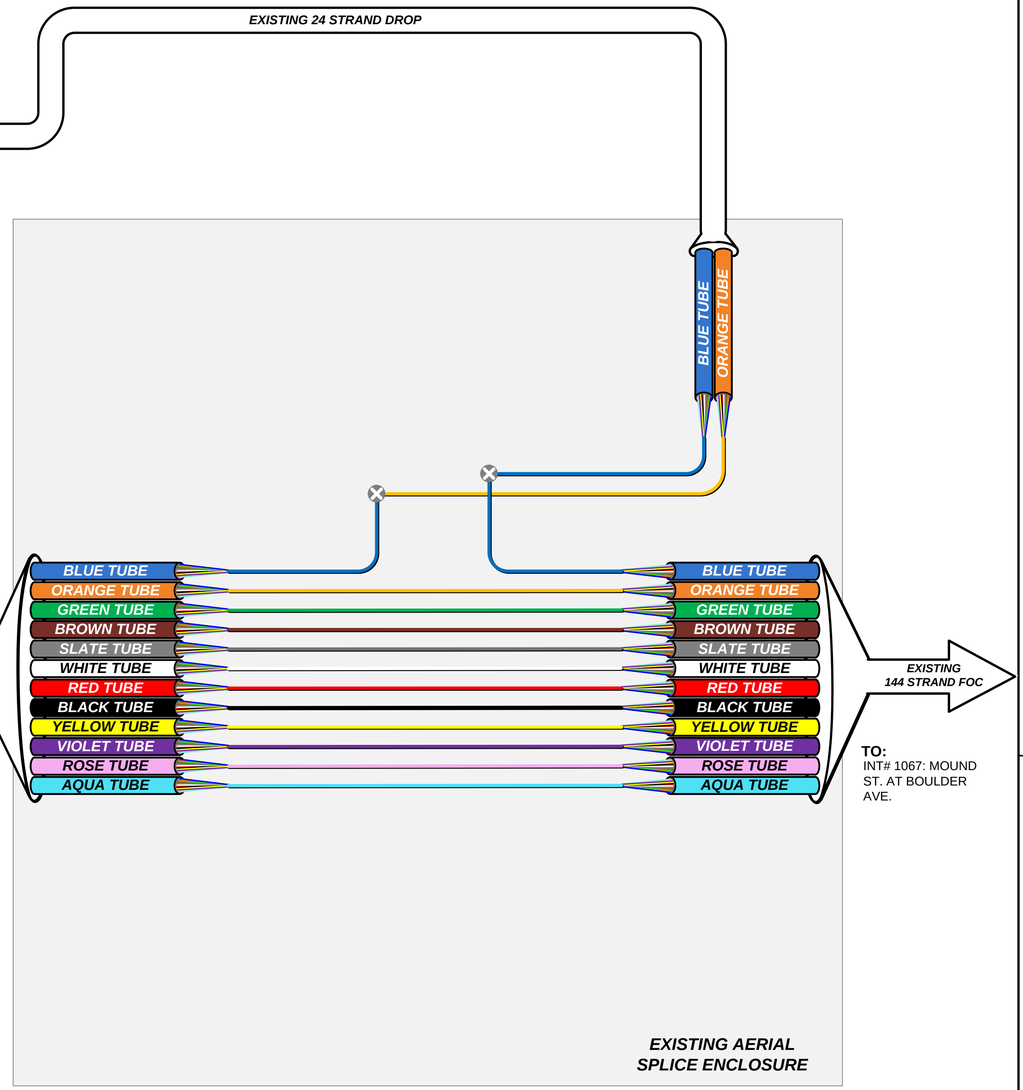
661
768

\\colw00\pmworkJobs\70202 - CTSS Phase F\TECHPROD\Communications\Intersection Splicing Details\645-667.vsd - 1019 layout ~ last saved by: skoganti 6/1/2022 10:59:50 AM ~ printed: 6/1/2022 10:59:50 AM

TRAFFIC SIGNAL CABINET ASSEMBLY

SWITCH	PORT	STATUS	DESTINATION	SHEET NO
1	5	EXISTING	INT# 1019: I-70 RAMPS AT MOUND ST.	661
1	6	EXISTING	EXISTING CONNECTION TO INT# 1067: MOUND ST. AT BOULDER AVE.	

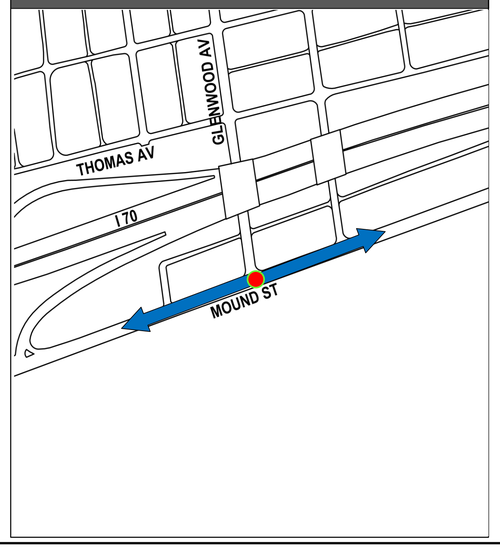




LEGEND

- FIBER PATCH CABLES T/R STANDARD
- FIBER PATCH CABLES R/T CROSSOVER
- EXISTING FIBER PATCH CABLES
- OUTDOOR CAT 5E CABLE
- INDOOR CAT 5E CABLE
- CAT 5E CABLE TO BE REMOVED
- TERMINATION PANEL UPC (Blue)/APC (Green)
- EXISTING/PROPOSED FIBER OR BUFFER TUBE LEFT COILED IN SPLICE ENCLOSURE
- FUSION SPLICE – 6 FIBERS/ SINGLE FIBER
- FUSION SPLICE – 12 FIBER BUFFER TUBE
- EXISTING FUSION SPLICE – 12 FIBER BUFFER TUBE
- INTERSECTION LOCATION
- LH ZX — GBIC OPTICAL TRANSCEIVER LH - SHORT HAUL LED ZX – LONG HAUL LASER
- SFP/COPPER/CAT5/5E/6 CONNECTOR
- COPPER/CAT5/5E/6 CONNECTOR
- 144 STRAND SMF
- 288 STRAND SMF
- WIRELESS ETHERNET RADIO

KEY PLAN



NOTES

SHEET SHOWN FOR REFERENCE ONLY. NO PROPOSED WORK IS PERFORMED ON THIS SHEET.

INTERSECTION 1018

REFER TO SHEET 476 FOR COMM OVERVIEW DETAILS

CIP: 540007 - 100012
PID NUMBER: 99733

INT# 1018: GLENWOOD AVE. AT MOUND ST
COMMUNICATIONS DIAGRAM

CITY OF COLUMBUS TRAFFIC SIGNAL SYSTEM
(CTSS) PHASE F – FINAL SUBMITTAL

662
768

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TRAFFIC SIGNAL CABINET ASSEMBLY

SWITCH	PORT	STATUS	DESTINATION	SHEET NO
1	5	EXISTING	INT# 3427: BUSCH BLVD. AT DUBLIN-GRANVILLE RD.	
1	**6**	**REVISED**	**PROPOSED COMMUNICATION NODE# 071117.6: DUBLIN GRANVILLE RD. AT I-71**	**707**
1	7	EXISTING	EXISTING CCTV: SR-161 AT I-71	

EXISTING LAYER 2 ETHERNET SWITCH

Ports 1 2 3 4 5 6 7 8 (LH T R R T LH T R R T)

TRAFFIC SIGNAL CONTROLLER
Ex. Econolite ASC/3

EXISTING PATCH PANEL
ENCLOSURES: (2)-24 TERMINATION

BLUE TUBE (SOUTH)
ORANGE TUBE (WEST)
BLUE TUBE
ORANGE TUBE

EXISTING 24 STRAND DROP
EXISTING 24 STRAND DROP

BLUE TUBE / *ORANGE TUBE*
BLUE TUBE / *ORANGE TUBE*

BLUE TUBE
ORANGE TUBE
EXISTING 24 DROP STRAND FOC

TO:
EXISTING CCTV SITE
AT SR-161 AT I-71

EXISTING 144 STRAND FOC

TO:
INT# 3427: BUSCH
BLVD. AT DUBLIN-
GRANVILLE RD.

BLUE TUBE
ORANGE TUBE
GREEN TUBE
BROWN TUBE
SLATE TUBE
WHITE TUBE
RED TUBE
BLACK TUBE
YELLOW TUBE
VIOLET TUBE
ROSE TUBE
AQUA TUBE

EXISTING 144 STRAND FOC

TO:
INT# 3429: DUBLIN-
GRANVILLE RD. AT I-71
NB RAMPS
SEE SHEET 664

5 Cable Entries
144 Proposed Fusion Splices
168 Total Fusion Splices

DOME, 800 FUSION SPLICE, AERIAL SPLICE ENCLOSURE

144 STRAND FOC

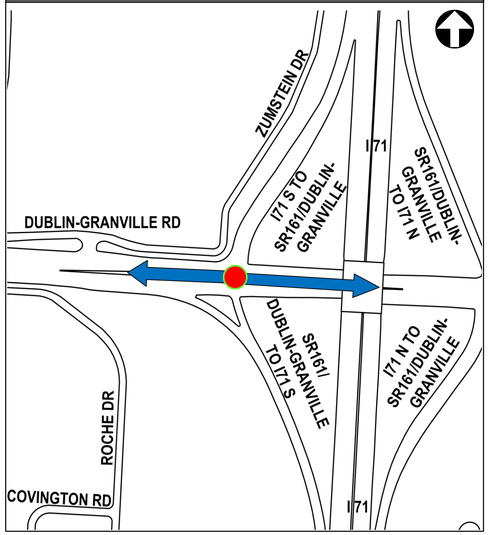
TO:
PROPOSED
COMMUNICATION
NODE# 071117.6:
DUBLIN GRANVILLE RD.
AT I-71
SEE SHEET 708

144 STRAND FOC

LEGEND

- FIBER PATCH CABLES T/R STANDARD
- FIBER PATCH CABLES R/T CROSSOVER
- EXISTING FIBER PATCH CABLES
- OUTDOOR CAT 5E CABLE
- INDOOR CAT 5E CABLE
- CAT 5E CABLE TO BE REMOVED
- TERMINATION PANEL UPC (Blue)/APC (Green)
- EXISTING/PROPOSED FIBER OR BUFFER TUBE LEFT COILED IN SPLICE ENCLOSURE
- FUSION SPLICE – 6 FIBERS/ SINGLE FIBER
- FUSION SPLICE – 12 FIBER BUFFER TUBE
- EXISTING FUSION SPLICE – 12 FIBER BUFFER TUBE
- INTERSECTION LOCATION
- GBIC OPTICAL TRANSCEIVER LH - SHORT HAUL LED ZX – LONG HAUL LASER
- SFP/COPPER/CAT5/5E/6 CONNECTOR
- COPPER/CAT5/5E/6 CONNECTOR
- 144 STRAND SMF
- 288 STRAND SMF
- WIRELESS ETHERNET RADIO

KEY PLAN



INTERSECTION 3428
REFER TO SHEET 465 FOR COMM OVERVIEW DETAILS

CIP: 540007 - 100012
PID NUMBER: 99733

INT# 3428: DUBLIN-GRANVILLE RD. AT I-71 SB RAMPS
COMMUNICATIONS DIAGRAM

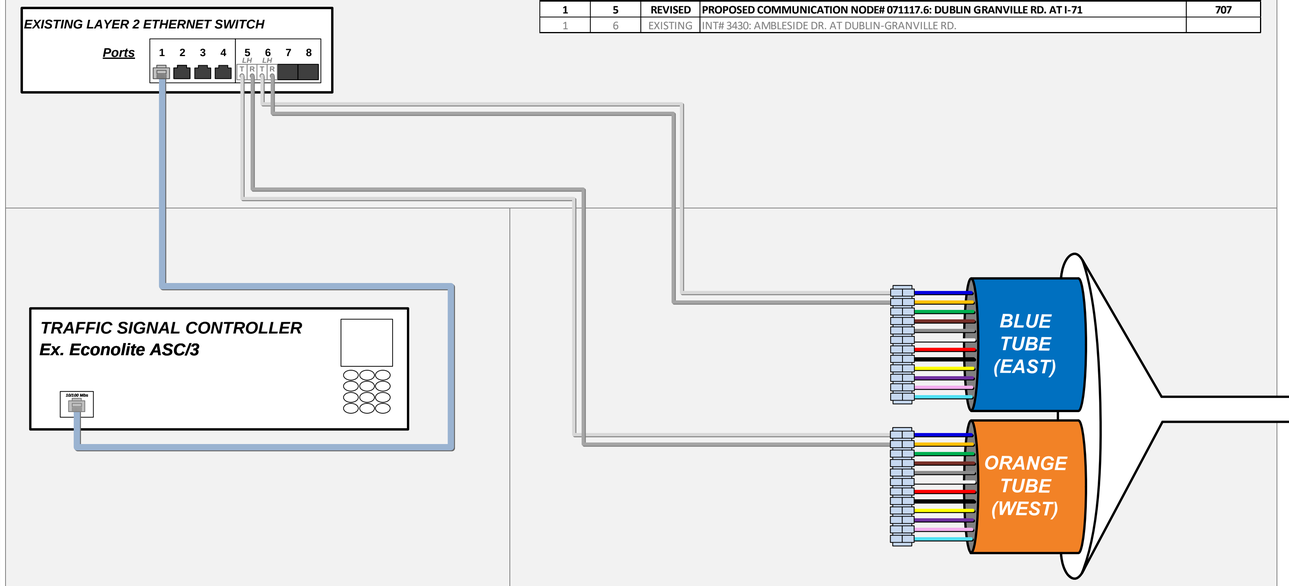
CITY OF COLUMBUS TRAFFIC SIGNAL SYSTEM
(CTSS) PHASE F – FINAL SUBMITTAL

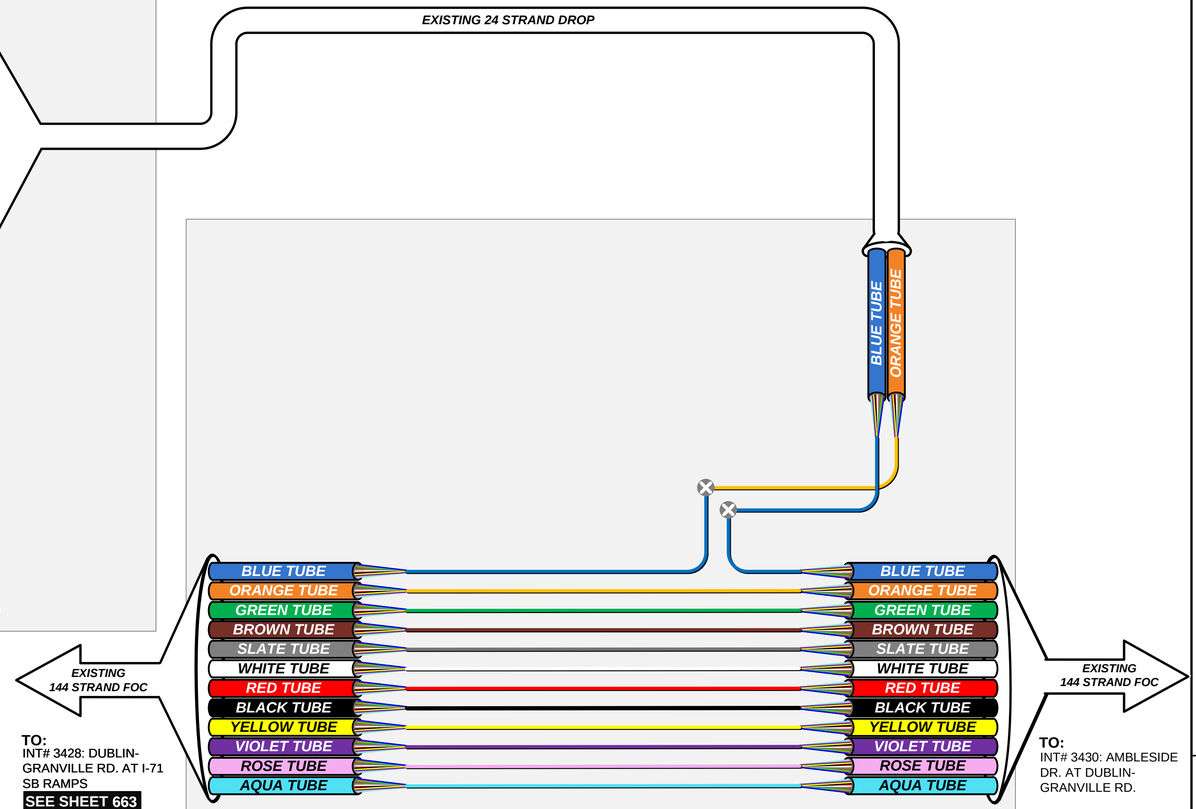
663
768

\\colw00\pmwork\Jobs\70202 - CTSS Phase F\TECHPROD\Communications\Intersection Splicing Details\645-667.vsd - 3428 layout - last saved by: skoganti 6/1/2022 10:59:50 AM ~ printed: 6/1/2022 10:59:50 AM

TRAFFIC SIGNAL CABINET ASSEMBLY

SWITCH	PORT	STATUS	DESTINATION	SHEET NO
1	5	REVISED	PROPOSED COMMUNICATION NODE# 071117.6: DUBLIN GRANVILLE RD. AT I-71	707
1	6	EXISTING	INT# 3430: AMBLESIDE DR. AT DUBLIN-GRANVILLE RD.	

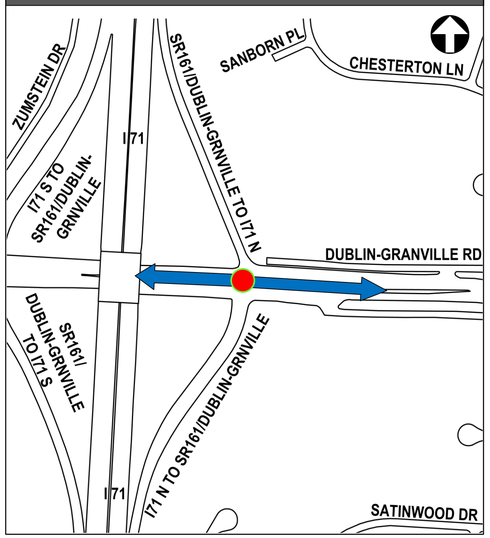




LEGEND

- FIBER PATCH CABLES T/R STANDARD
- FIBER PATCH CABLES R/T CROSSOVER
- EXISTING FIBER PATCH CABLES
- OUTDOOR CAT 5E CABLE
- INDOOR CAT 5E CABLE
- CAT 5E CABLE TO BE REMOVED
- TERMINATION PANEL UPC (Blue)/APC (Green)
- EXISTING/PROPOSED FIBER OR BUFFER TUBE LEFT COILED IN SPLICE ENCLOSURE
- FUSION SPLICE – 6 FIBERS/ SINGLE FIBER
- FUSION SPLICE – 12 FIBER BUFFER TUBE
- EXISTING FUSION SPLICE – 12 FIBER BUFFER TUBE
- INTERSECTION LOCATION
- GBIC OPTICAL TRANSCEIVER LH - SHORT HAUL LED ZX – LONG HAUL LASER
- SFP/COPPER/CAT5/5E/6 CONNECTOR
- COPPER/CAT5/5E/6 CONNECTOR
- 144 STRAND SMF
- 288 STRAND SMF
- WIRELESS ETHERNET RADIO

KEY PLAN



NOTE:
NO PROPOSED WORK SHOWN ON THIS SHEET. SHEET SHOWN FOR REVISED PORT DESTINATION

INTERSECTION 3429

REFER TO SHEET 465 FOR COMM OVERVIEW DETAILS

CIP: 540007 - 100012
PID NUMBER: 99733

INT# 3429: DUBLIN-GRANVILLE RD. AT I-71 NB RAMPS
COMMUNICATIONS DIAGRAM

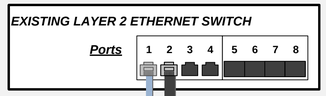
CITY OF COLUMBUS TRAFFIC SIGNAL SYSTEM
(CTSS) PHASE F – FINAL SUBMITTAL

664
768

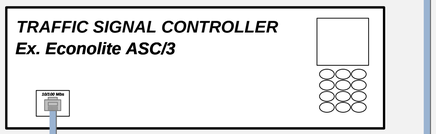
\\colw00\pmwork\Jobs\70202 - CTSS Phase F\TECHPROD\Communications\Intersection Splicing Details\645-667.vsd - 3429 layout ~ last saved by: skoganti 6/1/2022 10:59:50 AM ~ printed: 6/1/2022 10:59:50 AM

TRAFFIC SIGNAL CABINET ASSEMBLY

SWITCH	PORT	STATUS	DESTINATION	SHEET NO
1	2	PROPOSED	PROPOSED COMMUNICATION NODE# 670005.0: CLEVELAND AVE. AT I-670	728



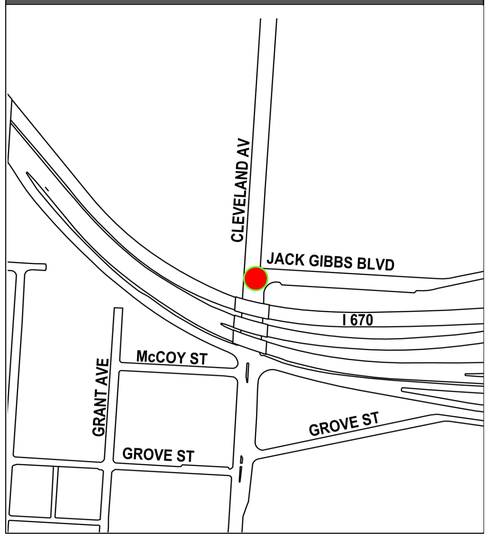
TO:
PROPOSED
COMMUNICATION NODE#
670005.0: CLEVELAND
AVE. AT I-670
SEE SHEET 728



LEGEND

- FIBER PATCH CABLES T/R STANDARD
- FIBER PATCH CABLES R/T CROSSOVER
- EXISTING FIBER PATCH CABLES
- OUTDOOR CAT 5E CABLE
- INDOOR CAT 5E CABLE
- CAT 5E CABLE TO BE REMOVED
- TERMINATION PANEL UPC (Blue)/APC (Green)
- EXISTING/PROPOSED FIBER OR BUFFER TUBE LEFT COILED IN SPLICE ENCLOSURE
- FUSION SPLICE – 6 FIBERS/ SINGLE FIBER
- FUSION SPLICE – 12 FIBER BUFFER TUBE
- EXISTING FUSION SPLICE – 12 FIBER BUFFER TUBE
- INTERSECTION LOCATION
- GBIC OPTICAL TRANSCEIVER LH - SHORT HAUL LED ZX – LONG HAUL LASER (LH, ZX; T R)
- SFP/COPPER/CAT5/5E/6 CONNECTOR
- COPPER/CAT5/5E/6 CONNECTOR
- 144 STRAND SMF
- 288 STRAND SMF
- WIRELESS ETHERNET RADIO

KEY PLAN



INTERSECTION 0001
REFER TO SHEET 480 FOR COMM OVERVIEW DETAILS

CIP: 540007 - 100012
PID NUMBER: 99733

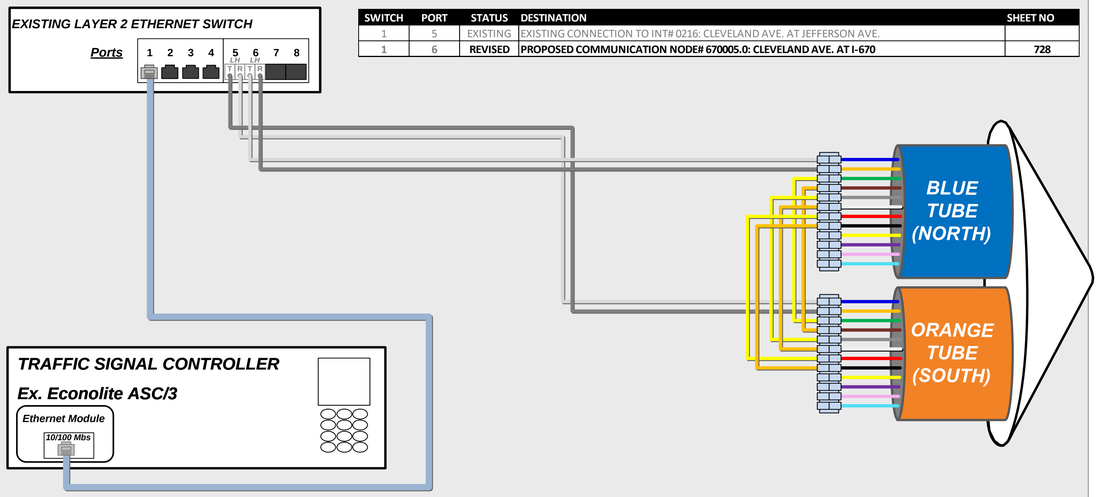
INT# 0001: CLEVELAND AVE. AT JACK GIBBS BLVD.
COMMUNICATIONS DIAGRAM

CITY OF COLUMBUS TRAFFIC SIGNAL SYSTEM
(CTSS) PHASE F – FINAL SUBMITTAL

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\\colw00\pmwork\Jobs\70202 - CTSS Phase F\TECHPROD\Communications\Intersection Splicing Details\645-667.vsd - 0002 & 0007 layout ~ last saved by: skoganti 6/1/2022 10:59:50 AM ~ printed: 6/1/2022 10:59:50 AM

TRAFFIC SIGNAL CABINET ASSEMBLY



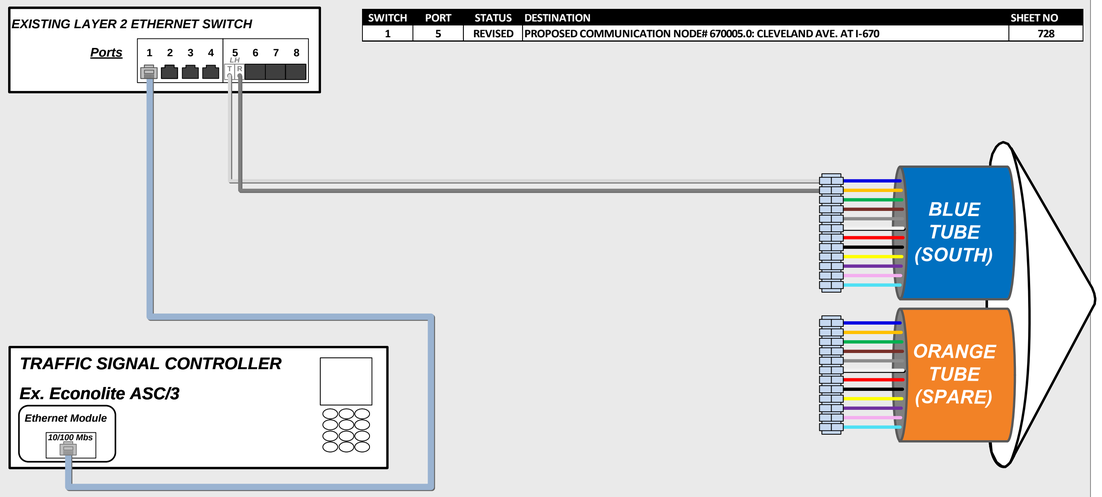
SWITCH	PORT	STATUS	DESTINATION	SHEET NO
1	5	EXISTING	EXISTING CONNECTION TO INT# 0216: CLEVELAND AVE. AT JEFFERSON AVE.	
1	6	REVISED	PROPOSED COMMUNICATION NODE# 670005.0: CLEVELAND AVE. AT I-670	728

INTERSECTION 0002

CLEVELAND AVE. AT I-670 EB ON RAMPS
REFER TO SHEET 403 FOR CONSTRUCTION PLAN DETAILS
REFER TO SHEET 480 FOR COMM OVERVIEW DETAILS

EXISTING PATCH PANEL ENCLOSURE – 24 TERMINATION

TRAFFIC SIGNAL CABINET ASSEMBLY



SWITCH	PORT	STATUS	DESTINATION	SHEET NO
1	5	REVISED	PROPOSED COMMUNICATION NODE# 670005.0: CLEVELAND AVE. AT I-670	728

INTERSECTION 0007

CLEVELAND AVE. AT FORT HAYES
REFER TO SHEET 403 FOR CONSTRUCTION PLAN DETAILS
REFER TO SHEET 480 FOR COMM OVERVIEW DETAILS

EXISTING PATCH PANEL ENCLOSURE – 24 TERMINATION

LEGEND

- FIBER PATCH CABLES T/R STANDARD
- FIBER PATCH CABLES R/T CROSSOVER
- EXISTING FIBER PATCH CABLES
- OUTDOOR CAT 5E CABLE
- INDOOR CAT 5E CABLE
- CAT 5E CABLE TO BE REMOVED
- TERMINATION PANEL UPC (Blue)/APC (Green)
- EXISTING/PROPOSED FIBER OR BUFFER TUBE LEFT COILED IN SPLICE ENCLOSURE
- FUSION SPLICE – 6 FIBERS/ SINGLE FIBER
- FUSION SPLICE – 12 FIBER BUFFER TUBE
- EXISTING FUSION SPLICE – 12 FIBER BUFFER TUBE
- INTERSECTION LOCATION
- GBIC OPTICAL TRANSCEIVER LH - SHORT HAUL LED ZX – LONG HAUL LASER
- SFP/COPPER/CAT5/5E/6 CONNECTOR
- COPPER/CAT5/5E/6 CONNECTOR
- 144 STRAND SMF
- 288 STRAND SMF
- WIRELESS ETHERNET RADIO

CIP: 540007 - 100012
PID NUMBER: 99733

INT# 0002: CLEVELAND AVE. AT I-670 & INT# 0007: CLEVELAND AVE. AT FORT HAYES
COMMUNICATIONS DIAGRAM

CITY OF COLUMBUS TRAFFIC SIGNAL SYSTEM
(CTSS) PHASE F – FINAL SUBMITTAL

\\colw00\pmwork\Jobs\170202 - CTSS Phase F\TECHPROD\Communications\Intersection Splicing Details\645-667.vsd - 0052 0077 & 0076 layout - last saved by: skoganti 6/1/2022 10:59:50 AM - printed: 6/1/2022 10:59:50 AM

TRAFFIC SIGNAL CABINET ASSEMBLY

EXISTING LAYER 2 ETHERNET SWITCH

Ports 1 2 3 4 5 6 7 8 (5 LH T R T R; 6 LH T R T R)

SWITCH	PORT	STATUS	DESTINATION	SHEET NO
1	5	REVISED	PROPOSED COMMUNICATION NODE# 670005.0: CLEVELAND AVE. AT I-670	728
1	6	EXISTING	EXISTING CONNECTION TO INT# 0079: MAIN ST. AT GRANT AVE.	

TRAFFIC SIGNAL CONTROLLER

Ex. Econolite ASC/3

Ethernet Module

10/100 Mbs

BLUE TUBE (NORTH)

ORANGE TUBE (SOUTH)

INTERSECTION 0052

WASHINGTON AVE. AT OAK ST.

EXISTING PATCH PANEL ENCLOSURE – 24 TERMINATION

TRAFFIC SIGNAL CABINET ASSEMBLY

EXISTING LAYER 2 ETHERNET SWITCH

Ports 1 2 3 4 5 6 7 8 (5 LH T R T R; 6 LH T R T R)

SWITCH	PORT	STATUS	DESTINATION	SHEET NO
1	5	REVISED	PROPOSED COMMUNICATION NODE# 670005.0: CLEVELAND AVE. AT I-670	728
1	6	EXISTING	EXISTING CONNECTION TO INT# 0071: FOURTH ST. AT RICH ST.	

TRAFFIC SIGNAL CONTROLLER

Ex. Econolite ASC/3

Ethernet Module

10/100 Mbs

BLUE TUBE (NORTH)

ORANGE TUBE (SPARE)

BLUE TUBE (EAST)

ORANGE TUBE (WEST)

INTERSECTION 0077

FOURTH ST. AT MAIN ST.

EXISTING PATCH PANEL ENCLOSURE – 24 TERMINATION

LEGEND

- FIBER PATCH CABLES T/R STANDARD
- FIBER PATCH CABLES R/T CROSSOVER
- EXISTING FIBER PATCH CABLES
- OUTDOOR CAT 5E CABLE
- INDOOR CAT 5E CABLE
- CAT 5E CABLE TO BE REMOVED
- TERMINATION PANEL UPC (Blue)/APC (Green)
- EXISTING/PROPOSED FIBER OR BUFFER TUBE LEFT COILED IN SPLICE ENCLOSURE
- FUSION SPLICE – 6 FIBERS/ SINGLE FIBER
- FUSION SPLICE – 12 FIBER BUFFER TUBE
- EXISTING FUSION SPLICE – 12 FIBER BUFFER TUBE
- INTERSECTION LOCATION
- LH ZX (T R T R) GBIC OPTICAL TRANSCEIVER LH - SHORT HAUL LED ZX – LONG HAUL LASER
- SFP/COPPER/CAT5/5E/6 CONNECTOR
- COPPER/CAT5/5E/6 CONNECTOR
- 144 STRAND SMF
- 288 STRAND SMF
- WIRELESS ETHERNET RADIO

NOTE:
NO PROPOSED WORK SHOWN ON THIS SHEET. SHEET SHOWN FOR REVISED PORT DESTINATIONS

TRAFFIC SIGNAL CABINET ASSEMBLY

EXISTING LAYER 2 ETHERNET SWITCH

Ports 1 2 3 4 5 6 7 8 (5 LH T R T R; 6 LH T R T R)

SWITCH	PORT	STATUS	DESTINATION	SHEET NO
1	5	REVISED	PROPOSED COMMUNICATION NODE# 670005.0: CLEVELAND AVE. AT I-670	728
1	6	EXISTING	EXISTING CONNECTION TO INT# 0070: THIRD ST. AT RICH ST.	

TRAFFIC SIGNAL CONTROLLER

Ex. Econolite ASC/3

Ethernet Module

10/100 Mbs

BLUE TUBE (NORTH)

ORANGE TUBE (EAST)

INTERSECTION 0076

THIRD ST. AT MAIN ST.

EXISTING PATCH PANEL ENCLOSURE – 24 TERMINATION

CIP: 540007 - 100012
PID NUMBER: 99733

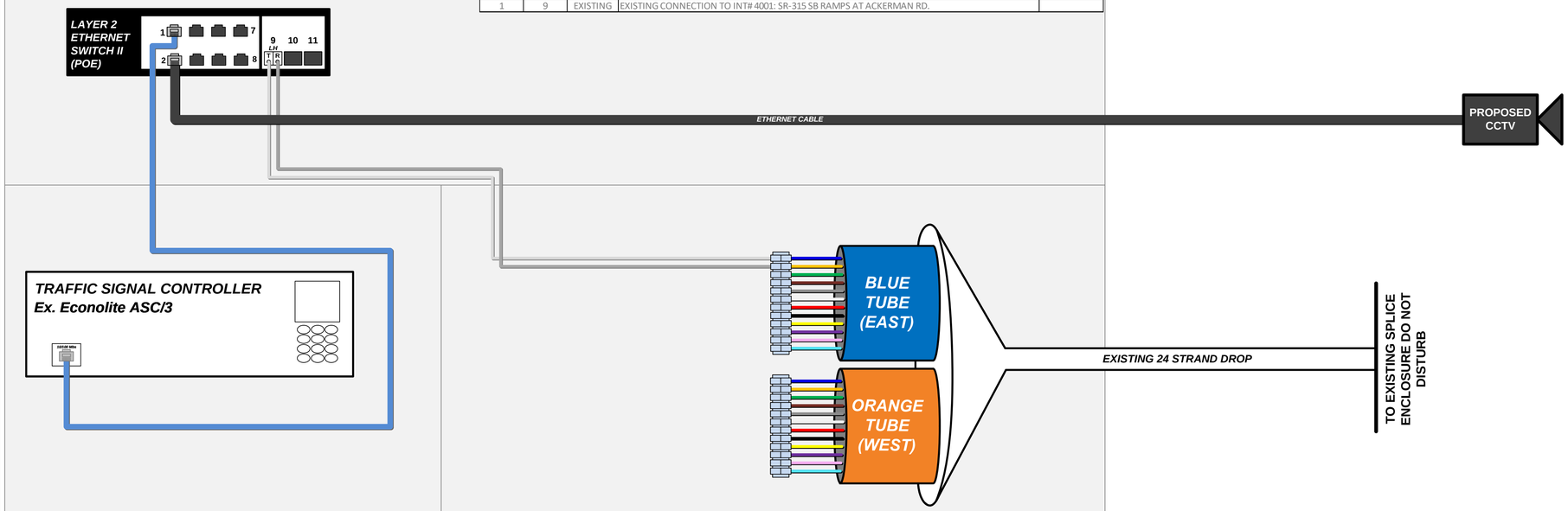
INTS 0052, 0077 AND 0076 PATCH PANELS
COMMUNICATIONS DIAGRAM

CITY OF COLUMBUS TRAFFIC SIGNAL SYSTEM
(CTSS) PHASE F – FINAL SUBMITTAL

667
768

TRAFFIC SIGNAL CABINET ASSEMBLY

SWITCH	PORT	STATUS	DESTINATION	SHEET NO
1	9	EXISTING	EXISTING CONNECTION TO INT# 4001: SR-315 SB RAMPS AT ACKERMAN RD.	



EXISTING PATCH PANEL ENCLOSURE – 24 TERMINATION

LEGEND

- FIBER PATCH CABLES T/R STANDARD
- FIBER PATCH CABLES R/T CROSSOVER
- EXISTING FIBER PATCH CABLES
- OUTDOOR CAT 5E CABLE
- INDOOR CAT 5E CABLE
- CAT 5E CABLE TO BE REMOVED
- TERMINATION PANEL UPC (Blue)/APC (Green)
- EXISTING/PROPOSED FIBER OR BUFFER TUBE LEFT COILED IN SPLICE ENCLOSURE
- FUSION SPLICE – 6 FIBERS/ SINGLE FIBER
- FUSION SPLICE – 12 FIBER BUFFER TUBE
- EXISTING FUSION SPLICE – 12 FIBER BUFFER TUBE
- INTERSECTION LOCATION
- GBIC OPTICAL TRANSCEIVER LH - SHORT HAUL LED ZX – LONG HAUL LASER
- SFP/COPPER/CAT5/5E/6 CONNECTOR
- COPPER/CAT5/5E/6 CONNECTOR
- 144 STRAND SMF
- 288 STRAND SMF
- WIRELESS ETHERNET RADIO

KEY PLAN



INTERSECTION 4000

REFER TO SHEET 418 FOR CONSTRUCTION PLAN DETAILS

CIP: 540007 - 100012
PID NUMBER: 99733

INT# 4000: ACKERMAN RD. AT KENNY RD.
COMMUNICATIONS DIAGRAM

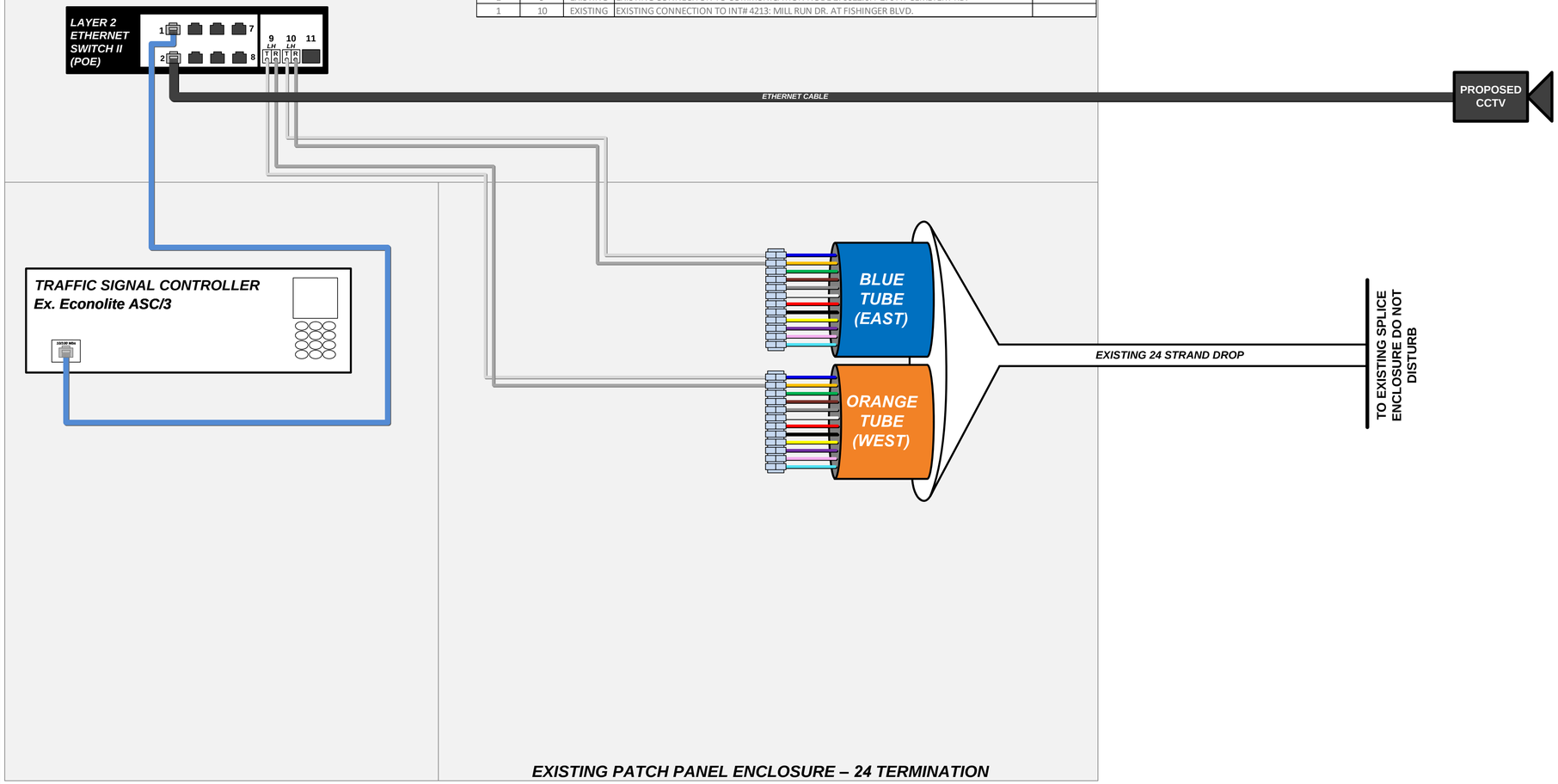
CITY OF COLUMBUS TRAFFIC SIGNAL SYSTEM
(CTSS) PHASE F – FINAL SUBMITTAL

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TRAFFIC SIGNAL CABINET ASSEMBLY

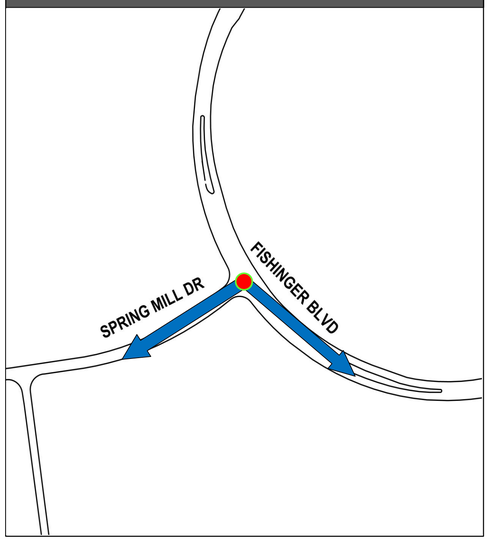
SWITCH	PORT	STATUS	DESTINATION	SHEET NO
1	9	EXISTING	EXISTING CONNECITON TO COMMUNICATION NODE 270012.6: I-270 AT CEMETERY RD.	
1	10	EXISTING	EXISTING CONNECTION TO INT# 4213: MILL RUN DR. AT FISHINGER BLVD.	



LEGEND

- FIBER PATCH CABLES T/R STANDARD
- FIBER PATCH CABLES R/T CROSSOVER
- EXISTING FIBER PATCH CABLES
- OUTDOOR CAT 5E CABLE
- INDOOR CAT 5E CABLE
- CAT 5E CABLE TO BE REMOVED
- TERMINATION PANEL UPC (Blue)/APC (Green)
- EXISTING/PROPOSED FIBER OR BUFFER TUBE LEFT COILED IN SPLICE ENCLOSURE
- FUSION SPLICE – 6 FIBERS/ SINGLE FIBER
- FUSION SPLICE – 12 FIBER BUFFER TUBE
- EXISTING FUSION SPLICE – 12 FIBER BUFFER TUBE
- INTERSECTION LOCATION
- GBIC OPTICAL TRANSCEIVER LH - SHORT HAUL LED ZX – LONG HAUL LASER
- SFP/COPPER/CAT5/5E/6 CONNECTOR
- COPPER/CAT5/5E/6 CONNECTOR
- 144 STRAND SMF
- 288 STRAND SMF
- WIRELESS ETHERNET RADIO

KEY PLAN



INTERSECTION 4214

REFER TO SHEET 419 FOR CONSTRUCTION PLAN DETAILS

CIP: 540007 - 100012
PID NUMBER: 99733

INT# 4214: FISHINGER BLVD. AT SPRING MILL DR.
COMMUNICATIONS DIAGRAM

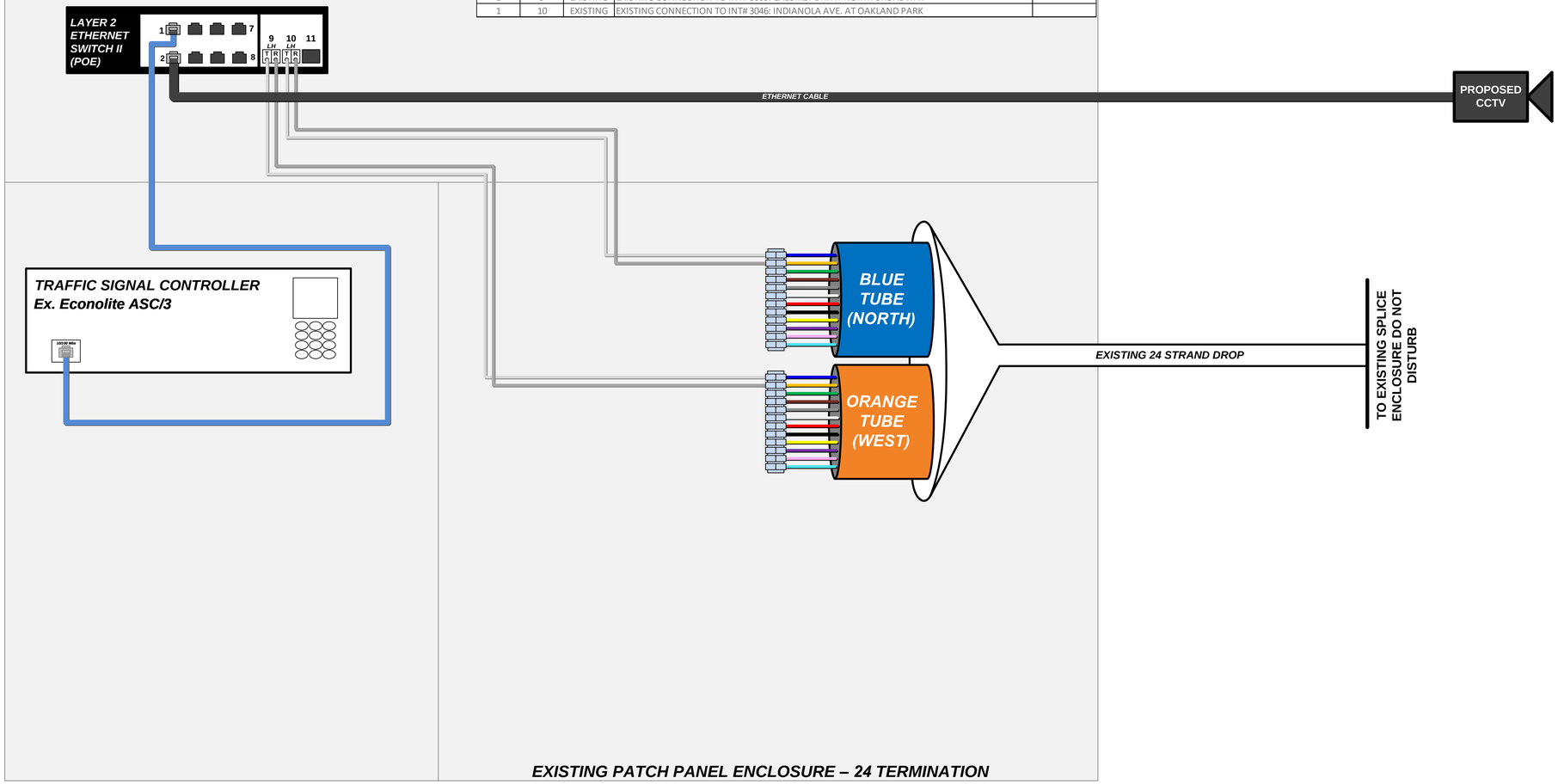
CITY OF COLUMBUS TRAFFIC SIGNAL SYSTEM
(CTSS) PHASE F – FINAL SUBMITTAL

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TRAFFIC SIGNAL CABINET ASSEMBLY

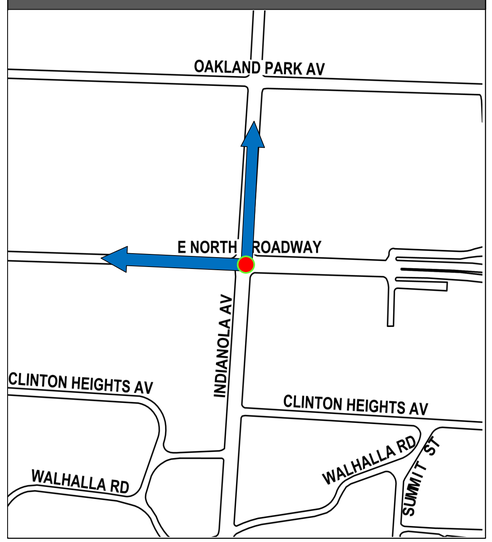
SWITCH	PORT	STATUS	DESTINATION	SHEET NO
1	9	EXISTING	EXISTING CONNECTION TO INT# 3069: CALUMET DR. AT NORTH BROADWAY	
1	10	EXISTING	EXISTING CONNECTION TO INT# 3046: INDIANOLA AVE. AT OAKLAND PARK	



LEGEND

- FIBER PATCH CABLES T/R STANDARD
- FIBER PATCH CABLES R/T CROSSOVER
- EXISTING FIBER PATCH CABLES
- OUTDOOR CAT 5E CABLE
- INDOOR CAT 5E CABLE
- CAT 5E CABLE TO BE REMOVED
- TERMINATION PANEL UPC (Blue)/APC (Green)
- EXISTING/PROPOSED FIBER OR BUFFER TUBE LEFT COILED IN SPLICE ENCLOSURE
- FUSION SPLICE – 6 FIBERS/ SINGLE FIBER
- FUSION SPLICE – 12 FIBER BUFFER TUBE
- EXISTING FUSION SPLICE – 12 FIBER BUFFER TUBE
- INTERSECTION LOCATION
- GBIC OPTICAL TRANSCEIVER LH - SHORT HAUL LED ZX – LONG HAUL LASER
- SFP/COPPER/CAT5/5E/6 CONNECTOR
- COPPER/CAT5/5E/6 CONNECTOR
- 144 STRAND SMF
- 288 STRAND SMF
- WIRELESS ETHERNET RADIO

KEY PLAN



INTERSECTION 3047

REFER TO SHEET 421 FOR CONSTRUCTION PLAN DETAILS

CIP: 540007 - 100012
PID NUMBER: 99733

INT# 3047: INDIANOLA AVE. AT NORTH BROADWAY
COMMUNICATIONS DIAGRAM

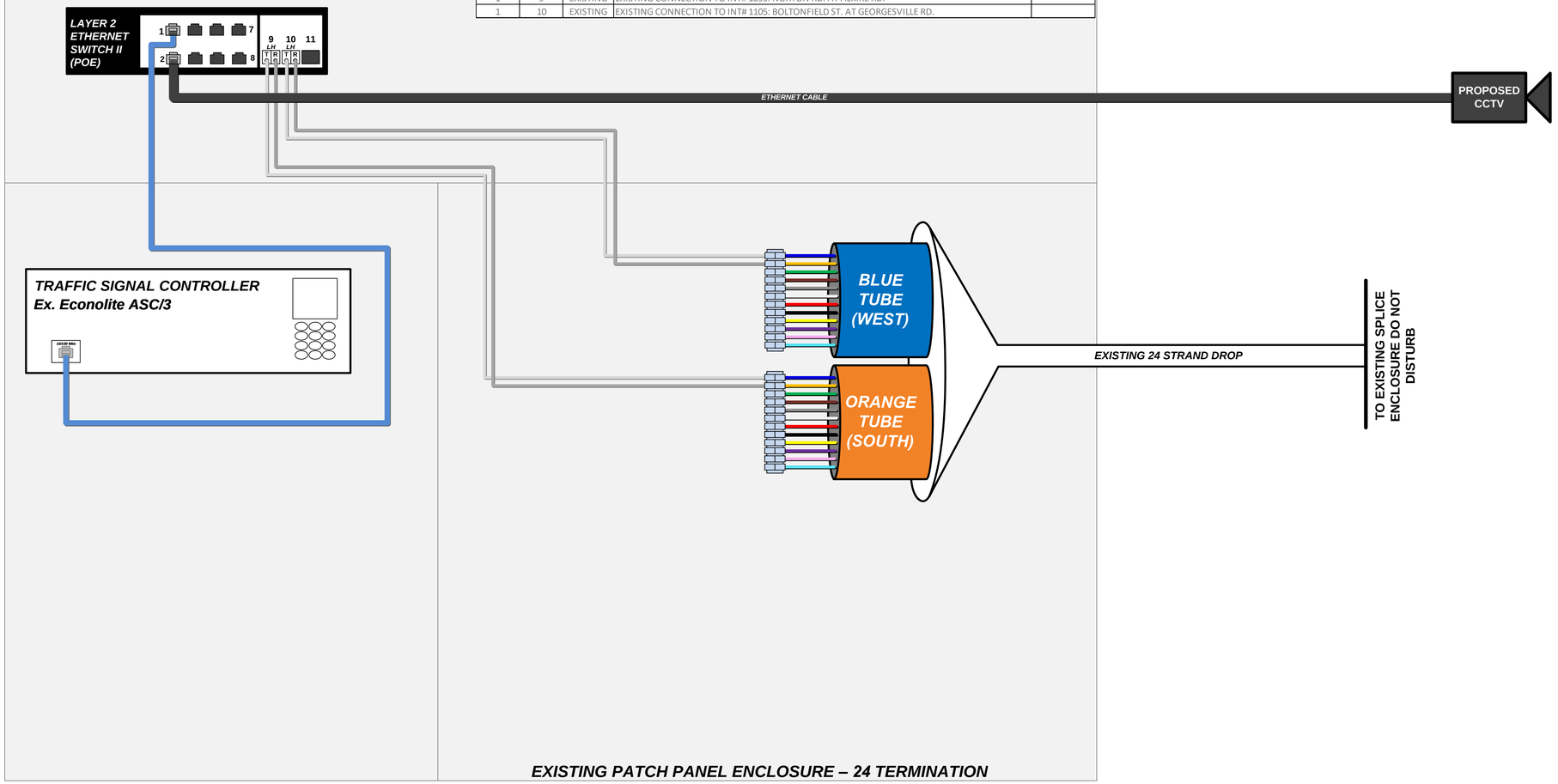
CITY OF COLUMBUS TRAFFIC SIGNAL SYSTEM
(CTSS) PHASE F – FINAL SUBMITTAL

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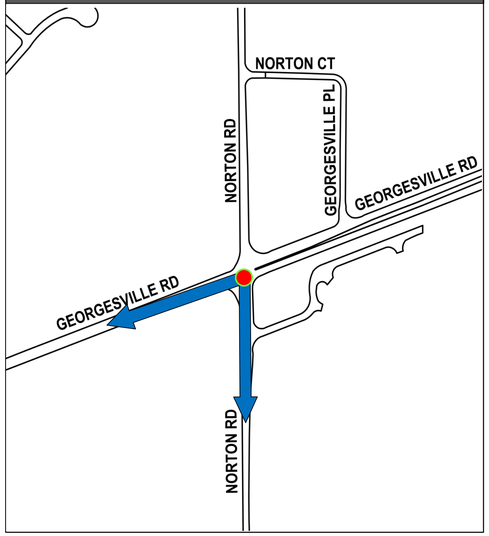
SWITCH	PORT	STATUS	DESTINATION	SHEET NO
1	9	EXISTING	EXISTING CONNECTION TO INT# 1095: NORTON RD. AT ALKIRE RD.	
1	10	EXISTING	EXISTING CONNECTION TO INT# 1105: BOLTONFIELD ST. AT GEORGESVILLE RD.	



LEGEND

- FIBER PATCH CABLES T/R STANDARD
- FIBER PATCH CABLES R/T CROSSOVER
- EXISTING FIBER PATCH CABLES
- OUTDOOR CAT 5E CABLE
- INDOOR CAT 5E CABLE
- CAT 5E CABLE TO BE REMOVED
- TERMINATION PANEL UPC (Blue)/APC (Green)
- EXISTING/PROPOSED FIBER OR BUFFER TUBE LEFT COILED IN SPLICE ENCLOSURE
- FUSION SPLICE – 6 FIBERS/ SINGLE FIBER
- FUSION SPLICE – 12 FIBER BUFFER TUBE
- EXISTING FUSION SPLICE – 12 FIBER BUFFER TUBE
- INTERSECTION LOCATION
- LH ZX — GBIC OPTICAL TRANSCEIVER LH - SHORT HAUL LED ZX – LONG HAUL LASER
- SFP/COPPER/CAT5/5E/6 CONNECTOR
- COPPER/CAT5/5E/6 CONNECTOR
- 144 STRAND SMF
- 288 STRAND SMF
- WIRELESS ETHERNET RADIO

KEY PLAN



INTERSECTION 1089

REFER TO SHEET 423 FOR CONSTRUCTION PLAN DETAILS

CIP: 540007 - 100012
PID NUMBER: 99733

INT# 1089: GEORGESVILLE RD. AT NORTON RD.
COMMUNICATIONS DIAGRAM

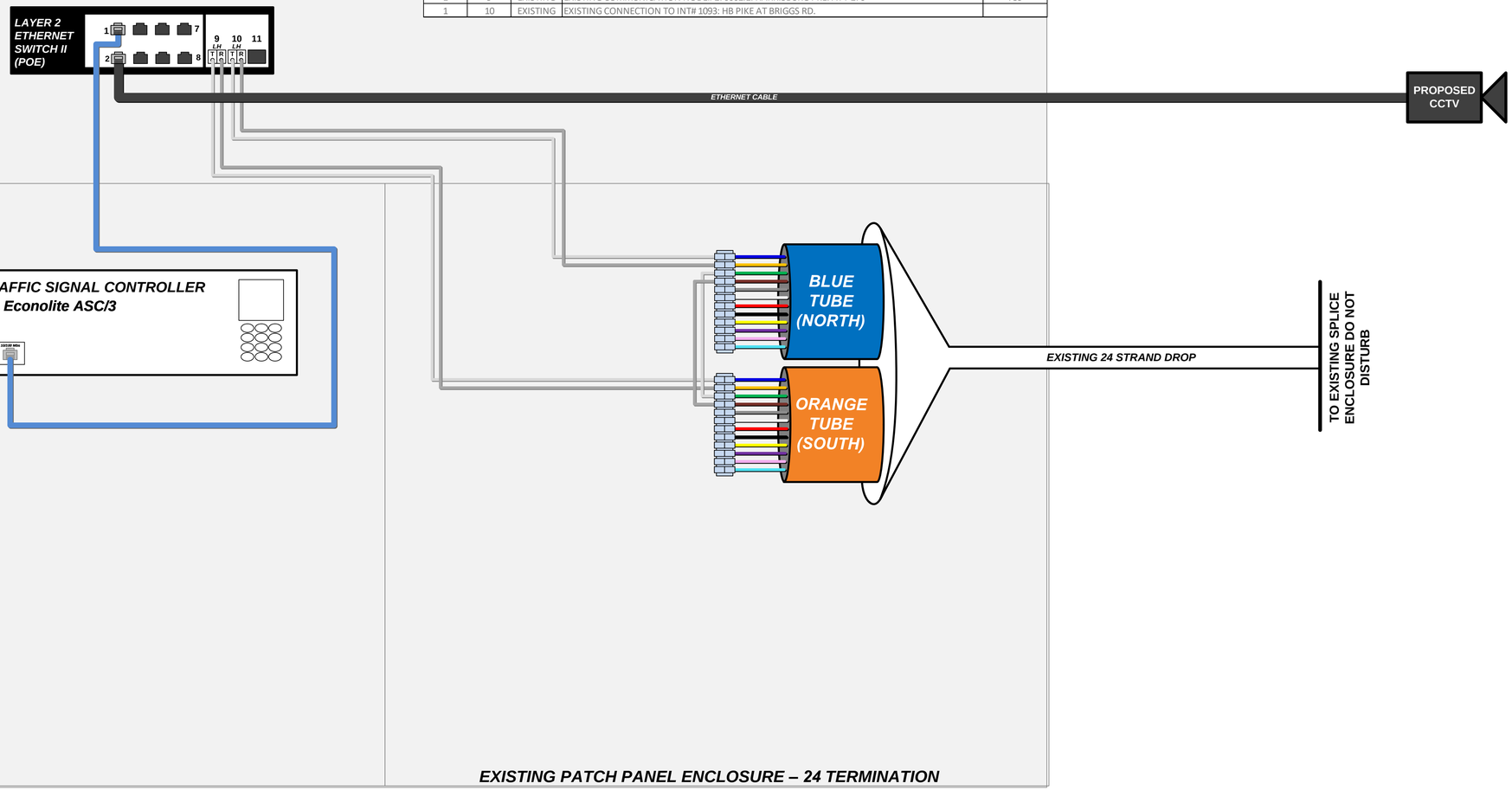
CITY OF COLUMBUS TRAFFIC SIGNAL SYSTEM
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TRAFFIC SIGNAL CABINET ASSEMBLY

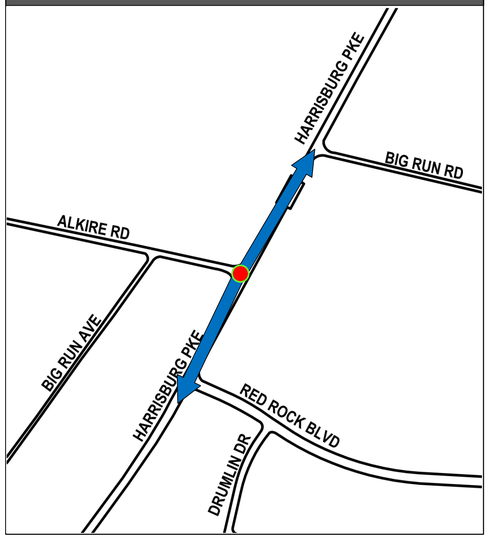
SWITCH	PORT	STATUS	DESTINATION	SHEET NO
1	9	EXISTING	EXISTING COMMUNICATION NODE# 270002.1: HARRISBURG PKE. AT I-270	739
1	10	EXISTING	EXISTING CONNECTION TO INT# 1093: HB PIKE AT BRIGGS RD.	



LEGEND

- FIBER PATCH CABLES T/R STANDARD
- FIBER PATCH CABLES R/T CROSSOVER
- EXISTING FIBER PATCH CABLES
- OUTDOOR CAT 5E CABLE
- INDOOR CAT 5E CABLE
- CAT 5E CABLE TO BE REMOVED
- TERMINATION PANEL UPC (Blue)/APC (Green)
- EXISTING/PROPOSED FIBER OR BUFFER TUBE LEFT COILED IN SPLICE ENCLOSURE
- FUSION SPLICE – 6 FIBERS/ SINGLE FIBER
- FUSION SPLICE – 12 FIBER BUFFER TUBE
- EXISTING FUSION SPLICE – 12 FIBER BUFFER TUBE
- INTERSECTION LOCATION
- GBIC OPTICAL TRANSCEIVER LH - SHORT HAUL LED ZX – LONG HAUL LASER
- SFP/COPPER/CAT5/5E/6 CONNECTOR
- COPPER/CAT5/5E/6 CONNECTOR
- 144 STRAND SMF
- 288 STRAND SMF
- WIRELESS ETHERNET RADIO

KEY PLAN



INTERSECTION 1090

REFER TO SHEET 424 FOR CONSTRUCTION PLAN DETAILS

CIP: 540007 - 100012
PID NUMBER: 99733

INT# 1090: ALKIRE RD. AT HARRISBURG PIKE
COMMUNICATIONS DIAGRAM

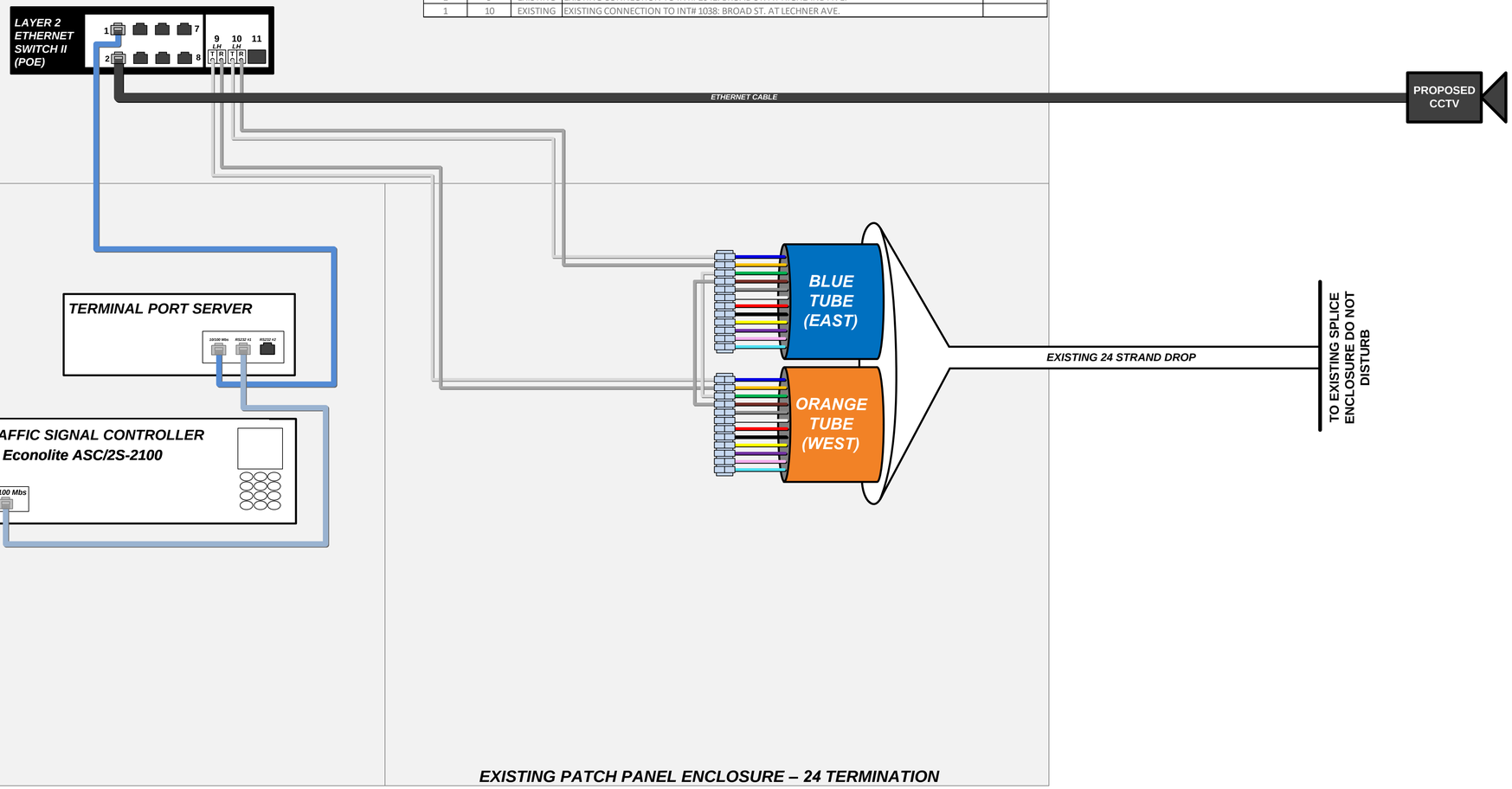
CITY OF COLUMBUS TRAFFIC SIGNAL SYSTEM
(CTSS) PHASE F – FINAL SUBMITTAL

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TRAFFIC SIGNAL CABINET ASSEMBLY

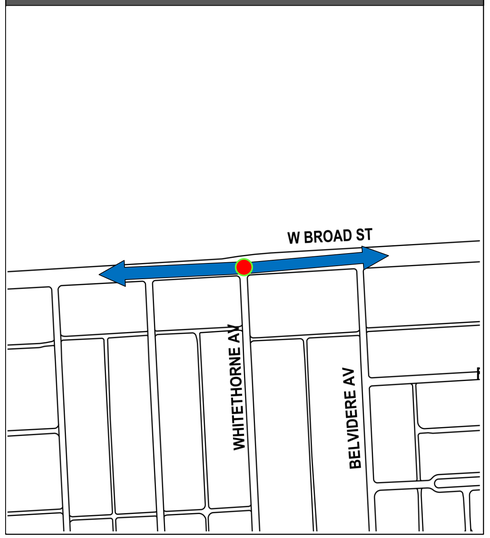
SWITCH	PORT	STATUS	DESTINATION	SHEET NO
1	9	EXISTING	EXISTING CONNECTION TO INT# 1041: BROAD ST. AT HIGHLAND AVE.	
1	10	EXISTING	EXISTING CONNECTION TO INT# 1038: BROAD ST. AT LECHNER AVE.	



LEGEND

- FIBER PATCH CABLES T/R STANDARD
- FIBER PATCH CABLES R/T CROSSOVER
- EXISTING FIBER PATCH CABLES
- OUTDOOR CAT 5E CABLE
- INDOOR CAT 5E CABLE
- CAT 5E CABLE TO BE REMOVED
- TERMINATION PANEL UPC (Blue)/APC (Green)
- EXISTING/PROPOSED FIBER OR BUFFER TUBE LEFT COILED IN SPLICE ENCLOSURE
- FUSION SPLICE – 6 FIBERS/ SINGLE FIBER
- FUSION SPLICE – 12 FIBER BUFFER TUBE
- EXISTING FUSION SPLICE – 12 FIBER BUFFER TUBE
- INTERSECTION LOCATION
- GBIC OPTICAL TRANSCEIVER LH - SHORT HAUL LED ZX – LONG HAUL LASER
- SFP/COPPER/CAT5/5E/6 CONNECTOR
- COPPER/CAT5/5E/6 CONNECTOR
- 144 STRAND SMF
- 288 STRAND SMF
- WIRELESS ETHERNET RADIO

KEY PLAN



INTERSECTION 1044

REFER TO SHEET 426 FOR CONSTRUCTION PLAN DETAILS

CIP: 540007 - 100012
PID NUMBER: 99733

INT# 1044: BROAD ST. AT WHITETHORNE AVE.
COMMUNICATIONS DIAGRAM

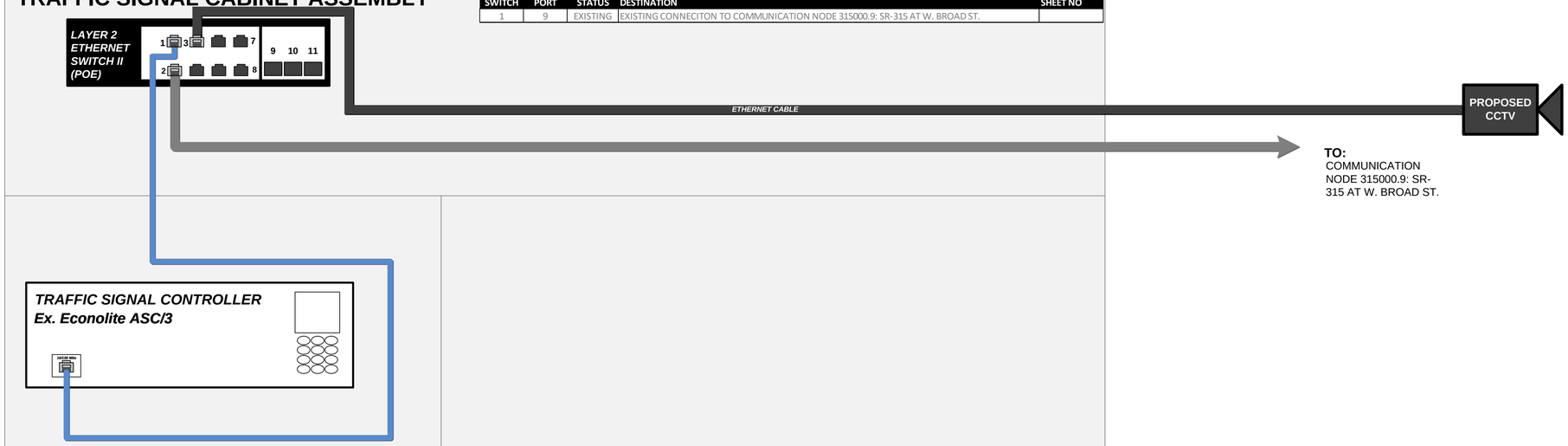
CITY OF COLUMBUS TRAFFIC SIGNAL SYSTEM
(CTSS) PHASE F – FINAL SUBMITTAL

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TRAFFIC SIGNAL CABINET ASSEMBLY

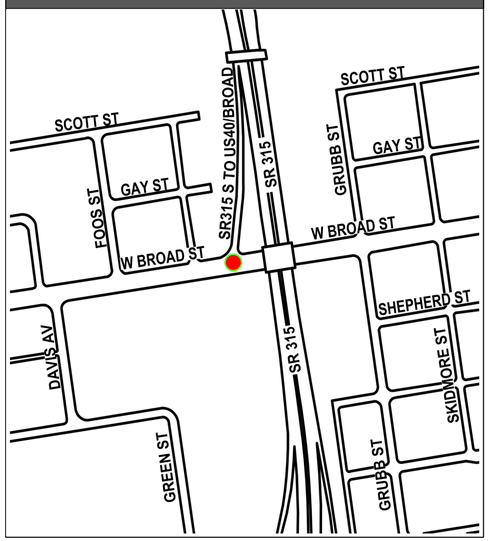
SWITCH	PORT	STATUS	DESTINATION	SHEET NO
1	9	EXISTING	EXISTING CONNECITON TO COMMUNICATION NODE 315000.9: SR-315 AT W. BROAD ST.	



LEGEND

- FIBER PATCH CABLES T/R STANDARD
- FIBER PATCH CABLES R/T CROSSOVER
- EXISTING FIBER PATCH CABLES
- OUTDOOR CAT 5E CABLE
- INDOOR CAT 5E CABLE
- CAT 5E CABLE TO BE REMOVED
- TERMINATION PANEL UPC (Blue)/APC (Green)
- EXISTING/PROPOSED FIBER OR BUFFER TUBE LEFT COILED IN SPLICE ENCLOSURE
- FUSION SPLICE – 6 FIBERS/ SINGLE FIBER
- FUSION SPLICE – 12 FIBER BUFFER TUBE
- EXISTING FUSION SPLICE – 12 FIBER BUFFER TUBE
- INTERSECTION LOCATION
- GBIC OPTICAL TRANSCEIVER LH - SHORT HAUL LED ZX – LONG HAUL LASER (LH, ZX)
- SFP/COPPER/CAT5/5E/6 CONNECTOR
- COPPER/CAT5/5E/6 CONNECTOR
- 144 STRAND SMF
- 288 STRAND SMF
- WIRELESS ETHERNET RADIO

KEY PLAN



INTERSECTION 1004

REFER TO SHEET 427 FOR CONSTRUCTION PLAN DETAILS

CIP: 540007 - 100012
PID NUMBER: 99733

INT# 1004: BROAD ST. AT SR-315 SB OFF RAMP
COMMUNICATIONS DIAGRAM

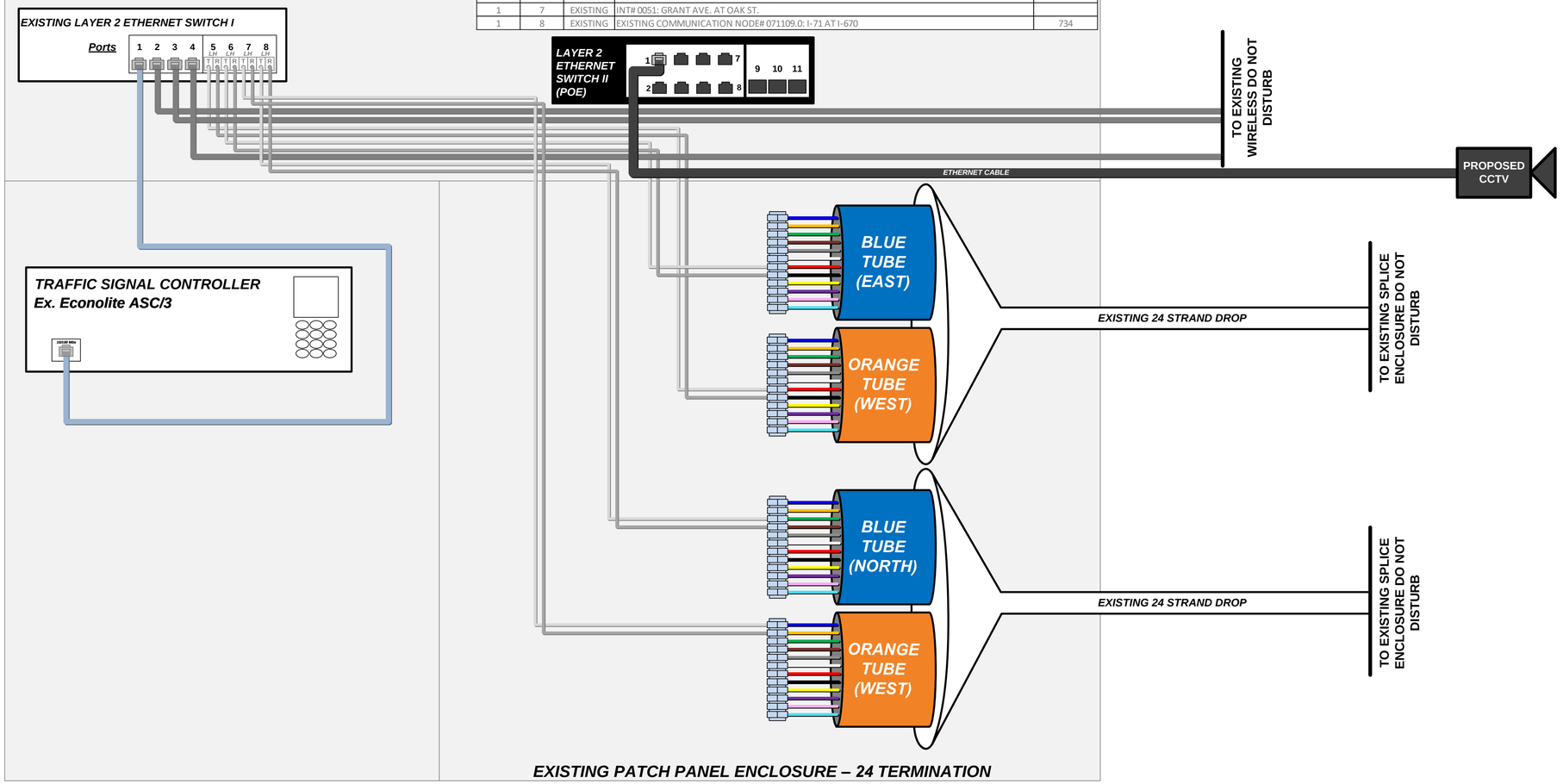
CITY OF COLUMBUS TRAFFIC SIGNAL SYSTEM
(CTSS) PHASE F – FINAL SUBMITTAL

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TRAFFIC SIGNAL CABINET ASSEMBLY

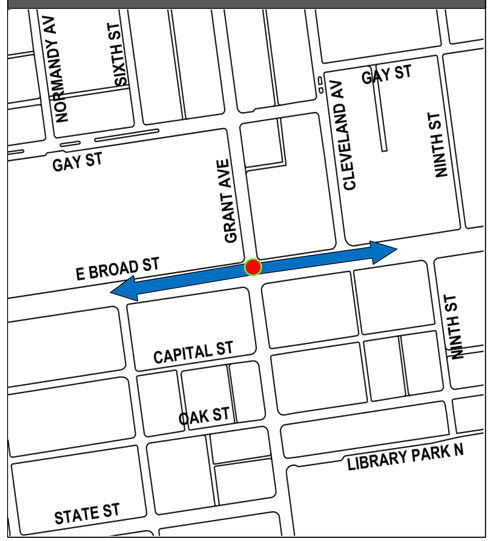
SWITCH	PORT	STATUS	DESTINATION	SHEET NO
1	5	EXISTING	TMC COMMUNICATION HUB: 77 N FRONT ST.	735
1	6	EXISTING	INT# 0047: BROAD ST. AT WASHINGTON AVE.	
1	7	EXISTING	INT# 0051: GRANT AVE. AT OAK ST.	
1	8	EXISTING	EXISTING COMMUNICATION NODE# 071109.0: I-71 AT I-670	734



LEGEND

- FIBER PATCH CABLES T/R STANDARD
- FIBER PATCH CABLES R/T CROSSOVER
- EXISTING FIBER PATCH CABLES
- OUTDOOR CAT 5E CABLE
- INDOOR CAT 5E CABLE
- CAT 5E CABLE TO BE REMOVED
- TERMINATION PANEL UPC (Blue)/APC (Green)
- EXISTING/PROPOSED FIBER OR BUFFER TUBE LEFT COILED IN SPLICE ENCLOSURE
- FUSION SPLICE – 6 FIBERS/ SINGLE FIBER
- FUSION SPLICE – 12 FIBER BUFFER TUBE
- EXISTING FUSION SPLICE – 12 FIBER BUFFER TUBE
- INTERSECTION LOCATION
- GBIC OPTICAL TRANSCEIVER LH - SHORT HAUL LED ZX – LONG HAUL LASER
- SFP/COPPER/CAT5/5E/6 CONNECTOR
- COPPER/CAT5/5E/6 CONNECTOR
- 144 STRAND SMF
- 288 STRAND SMF
- WIRELESS ETHERNET RADIO

KEY PLAN



INTERSECTION 0045

REFER TO SHEET 428 FOR CONSTRUCTION PLAN DETAILS

CIP: 540007 - 100012
PID NUMBER: 99733

INT# 0045: BROAD ST. AT GRANT AVE.
COMMUNICATIONS DIAGRAM

CITY OF COLUMBUS TRAFFIC SIGNAL SYSTEM (CTSS) PHASE F – FINAL SUBMITTAL

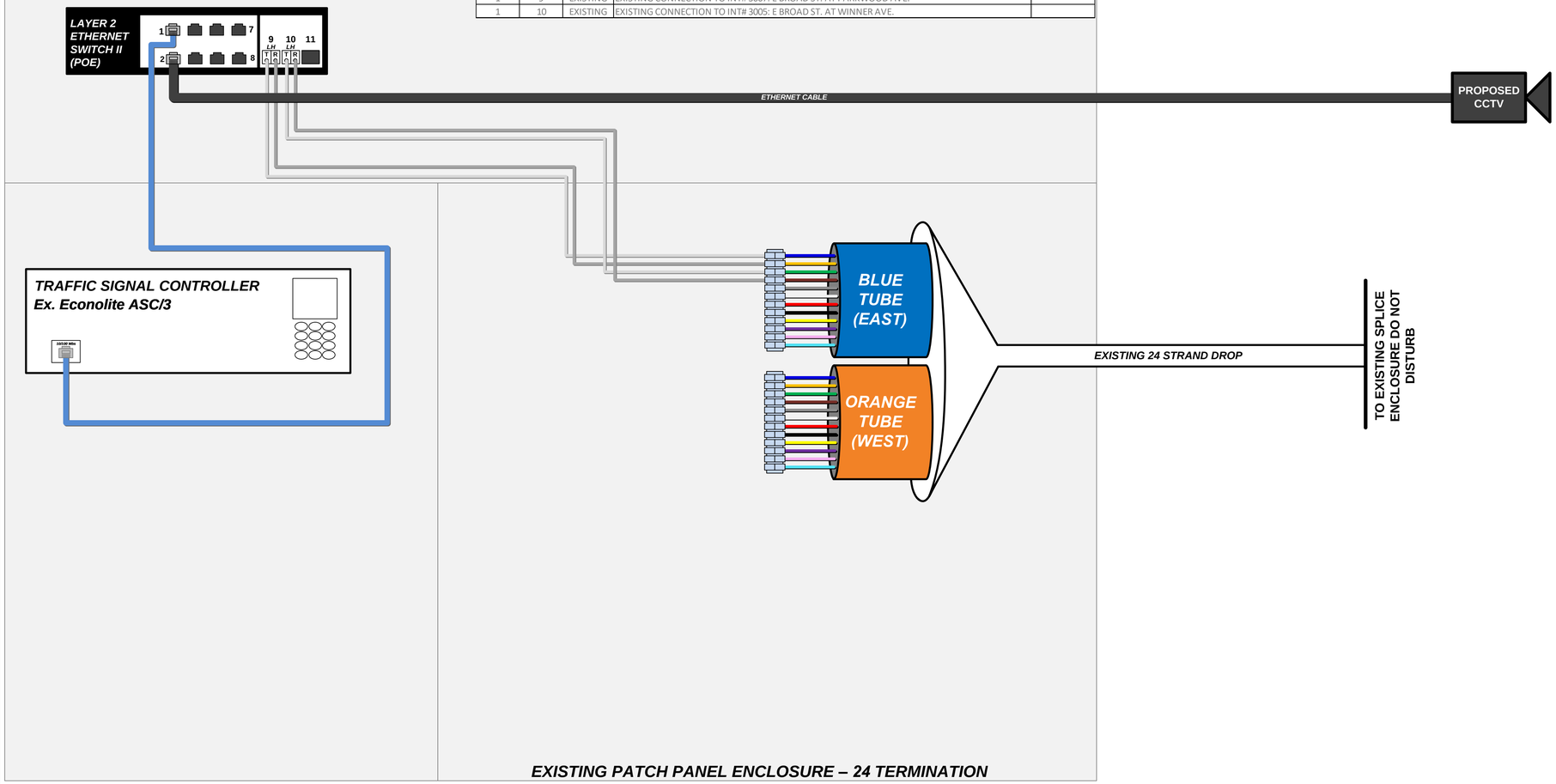
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TRAFFIC SIGNAL CABINET ASSEMBLY

SWITCH	PORT	STATUS	DESTINATION	SHEET NO
1	9	EXISTING	EXISTING CONNECTION TO INT# 3007: E BROAD ST. AT PARKWOOD AVE.	
1	10	EXISTING	EXISTING CONNECTION TO INT# 3005: E BROAD ST. AT WINNER AVE.	



LEGEND

- FIBER PATCH CABLES T/R STANDARD
- FIBER PATCH CABLES R/T CROSSOVER
- EXISTING FIBER PATCH CABLES
- OUTDOOR CAT 5E CABLE
- INDOOR CAT 5E CABLE
- CAT 5E CABLE TO BE REMOVED
- TERMINATION PANEL UPC (Blue)/APC (Green)
- EXISTING/PROPOSED FIBER OR BUFFER TUBE LEFT COILED IN SPLICE ENCLOSURE
- FUSION SPLICE – 6 FIBERS/ SINGLE FIBER
- FUSION SPLICE – 12 FIBER BUFFER TUBE
- EXISTING FUSION SPLICE – 12 FIBER BUFFER TUBE
- INTERSECTION LOCATION
- GBIC OPTICAL TRANSCEIVER LH - SHORT HAUL LED ZX – LONG HAUL LASER
- SFP/COPPER/CAT5/5E/6 CONNECTOR
- COPPER/CAT5/5E/6 CONNECTOR
- 144 STRAND SMF
- 288 STRAND SMF
- WIRELESS ETHERNET RADIO

KEY PLAN



INTERSECTION 3006

REFER TO SHEET 429 FOR CONSTRUCTION PLAN DETAILS

CIP: 540007 - 100012
PID NUMBER: 99733

INT# 3006: BROAD ST. AT TAYLOR AVE.
COMMUNICATIONS DIAGRAM

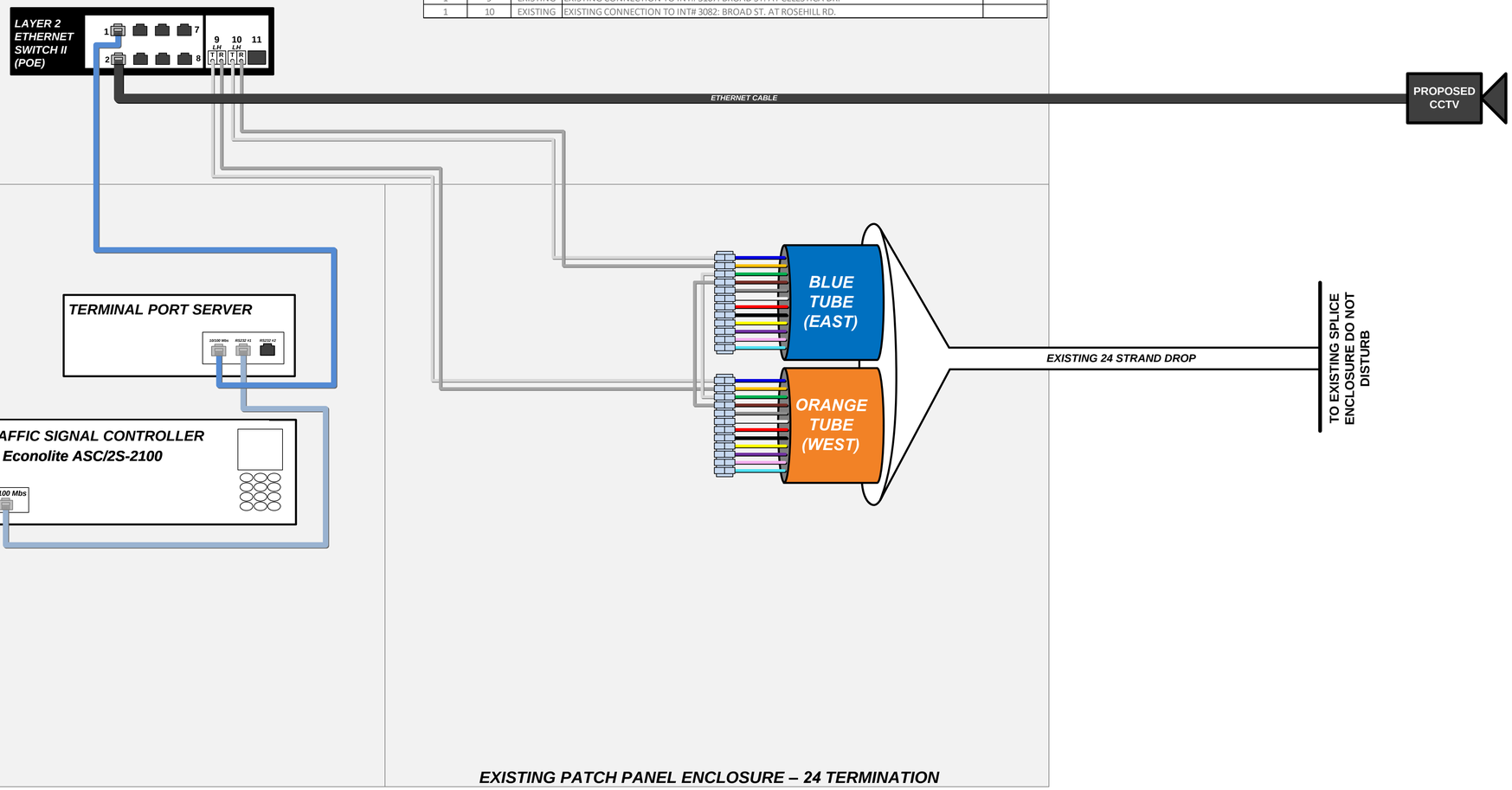
CITY OF COLUMBUS TRAFFIC SIGNAL SYSTEM
(CTSS) PHASE F – FINAL SUBMITTAL

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TRAFFIC SIGNAL CABINET ASSEMBLY

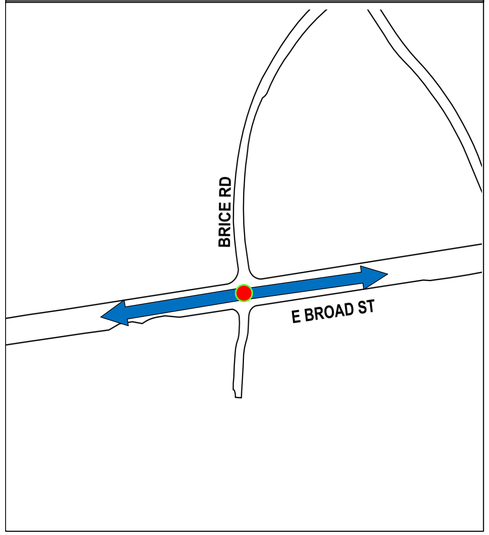
SWITCH	PORT	STATUS	DESTINATION	SHEET NO
1	9	EXISTING	EXISTING CONNECTION TO INT# 3167: BROAD ST. AT CELESTICA DR.	
1	10	EXISTING	EXISTING CONNECTION TO INT# 3082: BROAD ST. AT ROSEHILL RD.	



LEGEND

- FIBER PATCH CABLES T/R STANDARD
- FIBER PATCH CABLES R/T CROSSOVER
- EXISTING FIBER PATCH CABLES
- OUTDOOR CAT 5E CABLE
- INDOOR CAT 5E CABLE
- CAT 5E CABLE TO BE REMOVED
- TERMINATION PANEL UPC (Blue)/APC (Green)
- EXISTING/PROPOSED FIBER OR BUFFER TUBE LEFT COILED IN SPLICE ENCLOSURE
- FUSION SPLICE – 6 FIBERS/ SINGLE FIBER
- FUSION SPLICE – 12 FIBER BUFFER TUBE
- EXISTING FUSION SPLICE – 12 FIBER BUFFER TUBE
- INTERSECTION LOCATION
- GBIC OPTICAL TRANSCEIVER LH - SHORT HAUL LED ZX – LONG HAUL LASER
- SFP/COPPER/CAT5/5E/6 CONNECTOR
- COPPER/CAT5/5E/6 CONNECTOR
- 144 STRAND SMF
- 288 STRAND SMF
- WIRELESS ETHERNET RADIO

KEY PLAN



INTERSECTION 3267

REFER TO SHEET 430 FOR CONSTRUCTION PLAN DETAILS

CIP: 540007 - 100012
PID NUMBER: 99733

INT# 3267: BRICE RD. AT BROAD ST.
COMMUNICATIONS DIAGRAM

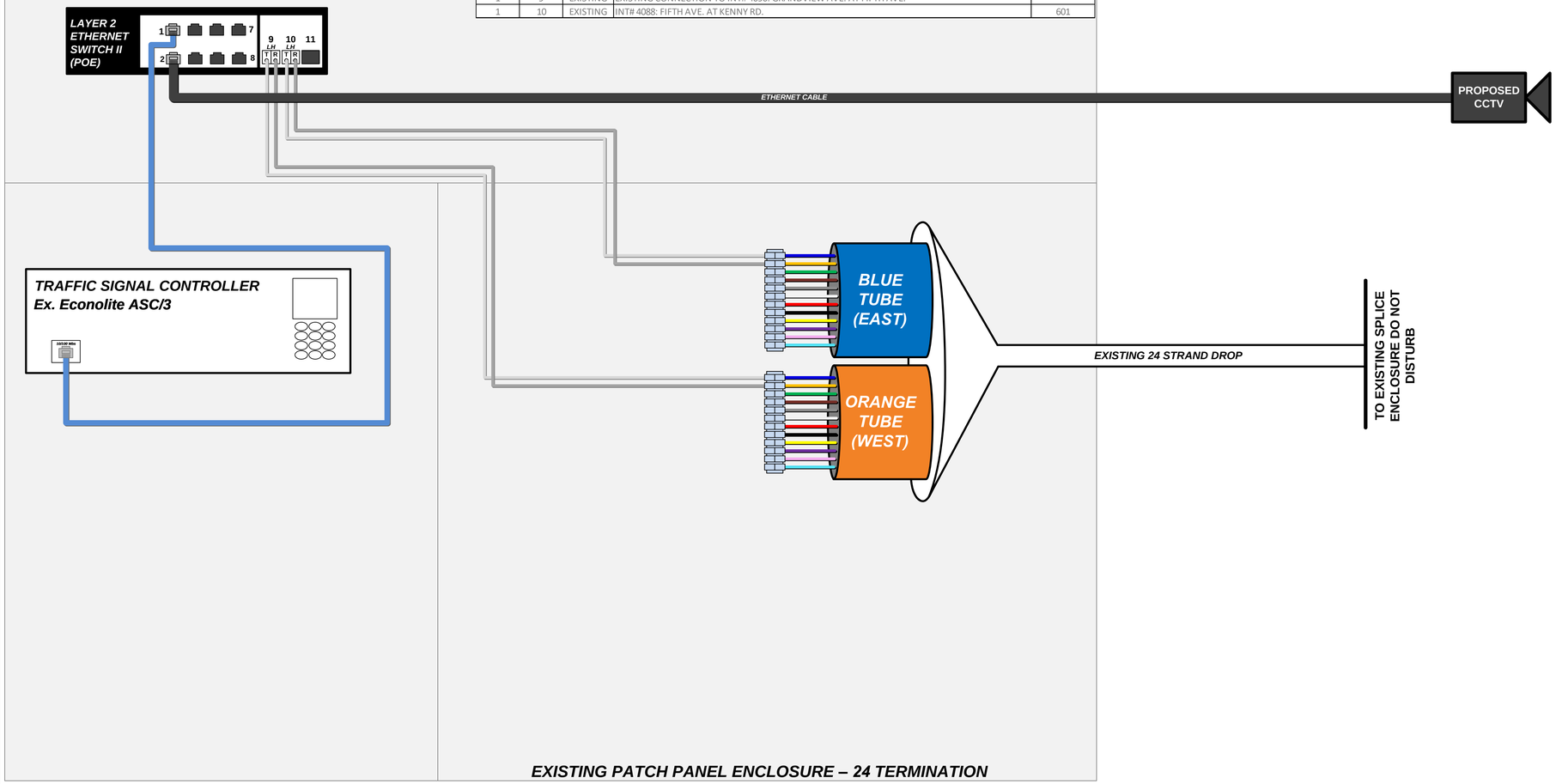
CITY OF COLUMBUS TRAFFIC SIGNAL SYSTEM
(CTSS) PHASE F – FINAL SUBMITTAL

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TRAFFIC SIGNAL CABINET ASSEMBLY

SWITCH	PORT	STATUS	DESTINATION	SHEET NO
1	9	EXISTING	EXISTING CONNECTION TO INT# 4090: GRANDVIEW AVE. AT FIFTH AVE.	
1	10	EXISTING	INT# 4088: FIFTH AVE. AT KENNY RD.	601



LEGEND

- FIBER PATCH CABLES T/R STANDARD
- FIBER PATCH CABLES R/T CROSSOVER
- EXISTING FIBER PATCH CABLES
- OUTDOOR CAT 5E CABLE
- INDOOR CAT 5E CABLE
- CAT 5E CABLE TO BE REMOVED
- TERMINATION PANEL UPC (Blue)/APC (Green)
- EXISTING/PROPOSED FIBER OR BUFFER TUBE LEFT COILED IN SPLICE ENCLOSURE
- FUSION SPLICE – 6 FIBERS/ SINGLE FIBER
- FUSION SPLICE – 12 FIBER BUFFER TUBE
- EXISTING FUSION SPLICE – 12 FIBER BUFFER TUBE
- INTERSECTION LOCATION
- GBIC OPTICAL TRANSCEIVER LH - SHORT HAUL LED ZX – LONG HAUL LASER
- SFP/COPPER/CAT5/5E/6 CONNECTOR
- COPPER/CAT5/5E/6 CONNECTOR
- 144 STRAND SMF
- 288 STRAND SMF
- WIRELESS ETHERNET RADIO

KEY PLAN



INTERSECTION 4089

REFER TO SHEET 431 FOR CONSTRUCTION PLAN DETAILS

CIP: 540007 - 100012
PID NUMBER: 99733

INT# 4089: FIFTH AVE. AT NORTHWEST BLVD.
COMMUNICATIONS DIAGRAM

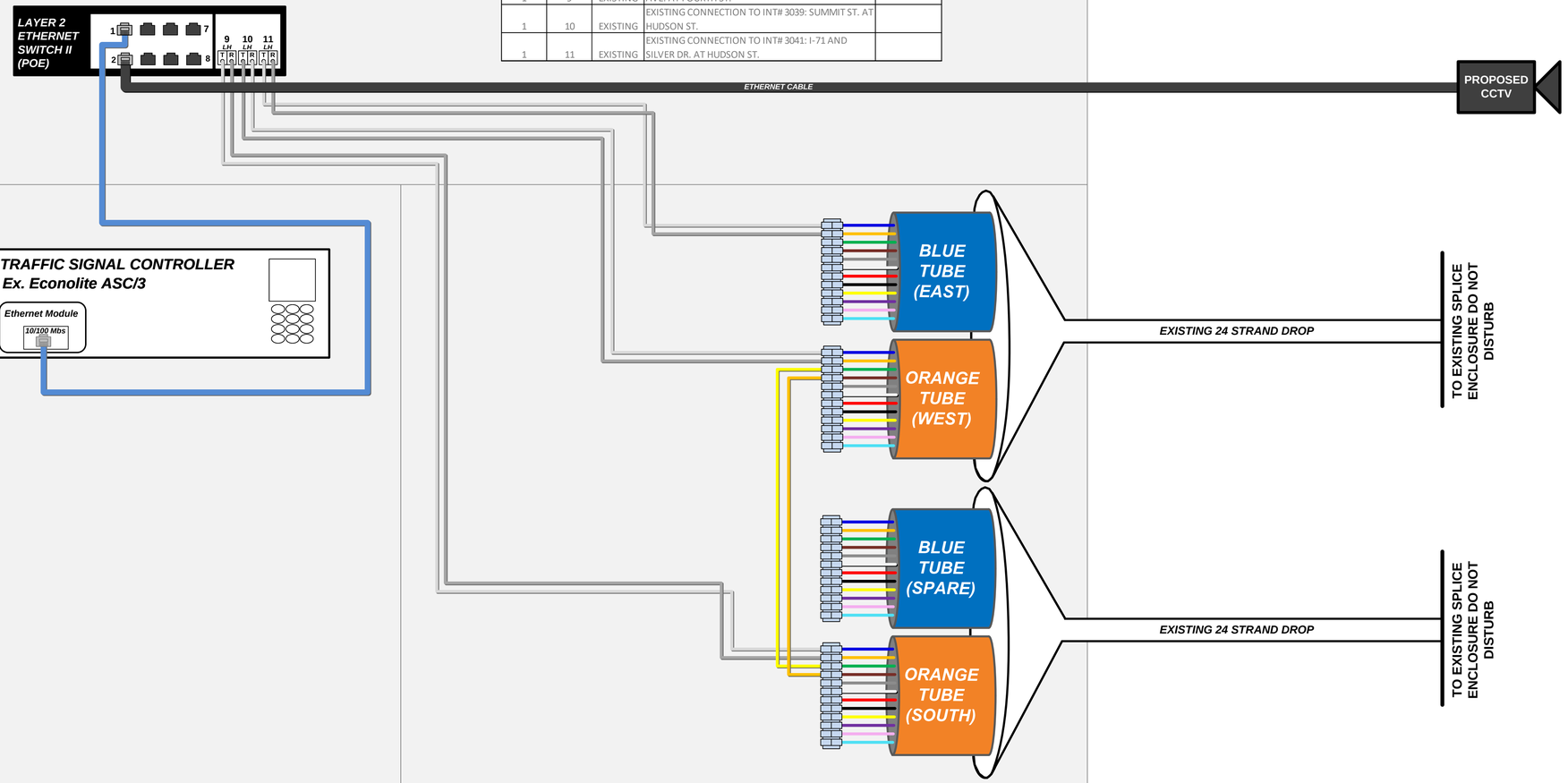
CITY OF COLUMBUS TRAFFIC SIGNAL SYSTEM
(CTSS) PHASE F – FINAL SUBMITTAL

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TRAFFIC SIGNAL CABINET ASSEMBLY

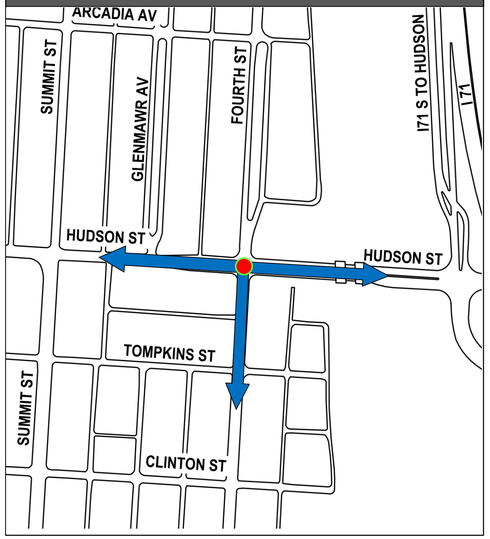
SWITCH	PORT	STATUS	DESTINATION	SHEET NO
1	9	EXISTING	EXISTING CONNECTION TO INT# 3178: WYANDOTTE AVE. AT FOURTH ST.	
1	10	EXISTING	EXISTING CONNECTION TO INT# 3039: SUMMIT ST. AT HUDSON ST.	
1	11	EXISTING	EXISTING CONNECTION TO INT# 3041: I-71 AND SILVER DR. AT HUDSON ST.	



LEGEND

- FIBER PATCH CABLES T/R STANDARD
- FIBER PATCH CABLES R/T CROSSOVER
- EXISTING FIBER PATCH CABLES
- OUTDOOR CAT 5E CABLE
- INDOOR CAT 5E CABLE
- CAT 5E CABLE TO BE REMOVED
- TERMINATION PANEL UPC (Blue)/APC (Green)
- EXISTING/PROPOSED FIBER OR BUFFER TUBE LEFT COILED IN SPLICE ENCLOSURE
- FUSION SPLICE – 6 FIBERS/ SINGLE FIBER
- FUSION SPLICE – 12 FIBER BUFFER TUBE
- EXISTING FUSION SPLICE – 12 FIBER BUFFER TUBE
- INTERSECTION LOCATION
- GBIC OPTICAL TRANSCEIVER LH - SHORT HAUL LED ZX – LONG HAUL LASER
- SFP/COPPER/CAT5/5E/6 CONNECTOR
- COPPER/CAT5/5E/6 CONNECTOR
- 144 STRAND SMF
- 288 STRAND SMF
- WIRELESS ETHERNET RADIO

KEY PLAN



INTERSECTION 3040

REFER TO SHEET 420 FOR CONSTRUCTION PLAN DETAILS

CIP: 540007 - 100012
PID NUMBER: 99733

INT# 3040: FOURTH ST. AT HUDSON ST. PATCH PANEL COMMUNICATIONS DIAGRAM

CITY OF COLUMBUS TRAFFIC SIGNAL SYSTEM (CTSS) PHASE F – FINAL SUBMITTAL

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TRAFFIC SIGNAL CABINET ASSEMBLY

SWITCH	PORT	STATUS	DESTINATION	SHEET NO
1	9	REVISED	PROPOSED COMMUNICATION NODE# 104091.6: SR-104 AT PARSONS AVE.	747E
1	10	EXISTING	INT# 2049: BARTHMAN AVE. AT PARSONS AVE.	681

11

LAYER 2 ETHERNET SWITCH II (POE)

ETHERNET CABLE

PROPOSED CCTV

TERMINAL PORT SERVER

TRAFFIC SIGNAL CONTROLLER
Ex. Econolite ASC/2S-2100

10/100 Mbs

BLUE TUBE (NORTH)

ORANGE TUBE (SOUTH)

EXISTING PATCH PANEL ENCLOSURE – 24 TERMINATION

EXISTING 24 STRAND DROP

EXISTING 144 STRAND FOC

TO:
INT# 2049: BARTHMAN AVE. AT PARSONS AVE.

BLUE TUBE
ORANGE TUBE
GREEN TUBE
BROWN TUBE
SLATE TUBE
WHITE TUBE
RED TUBE
BLACK TUBE
YELLOW TUBE
VIOLET TUBE
ROSE TUBE
AQUA TUBE

BLUE TUBE
ORANGE TUBE

EXISTING 144 STRAND FOC

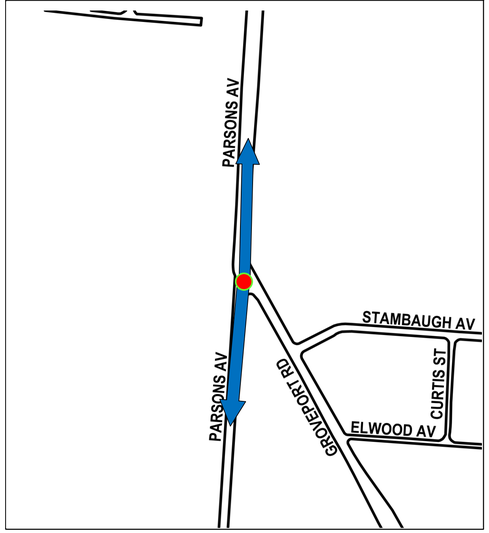
TO:
SPLICE-04:
301+69.83, 25' LT
ON PARSONS AVE.
SEE SHEET 667B

11

LEGEND

- FIBER PATCH CABLES T/R STANDARD
- FIBER PATCH CABLES R/T CROSSOVER
- EXISTING FIBER PATCH CABLES
- OUTDOOR CAT 5E CABLE
- INDOOR CAT 5E CABLE
- CAT 5E CABLE TO BE REMOVED
- TERMINATION PANEL UPC (Blue)/APC (Green)
- EXISTING/PROPOSED FIBER OR BUFFER TUBE LEFT COILED IN SPLICE ENCLOSURE
- FUSION SPLICE – 6 FIBERS/ SINGLE FIBER
- FUSION SPLICE – 12 FIBER BUFFER TUBE
- EXISTING FUSION SPLICE – 12 FIBER BUFFER TUBE
- INTERSECTION LOCATION
- GBIC OPTICAL TRANSCEIVER LH - SHORT HAUL LED ZX – LONG HAUL LASER
- SFP/COPPER/CAT5/5E/6 CONNECTOR
- COPPER/CAT5/5E/6 CONNECTOR
- 144 STRAND SMF
- 288 STRAND SMF
- WIRELESS ETHERNET RADIO

KEY PLAN



DRAFT REVISION 11.0

INTERSECTION 2051

REFER TO SHEET 435 FOR CONSTRUCTION PLAN DETAILS

CIP: 540007 - 100060
PID NUMBER: 110521

INT# 2051: GROVEPORT RD. AT PARSONS AVE.
COMMUNICATIONS DIAGRAM

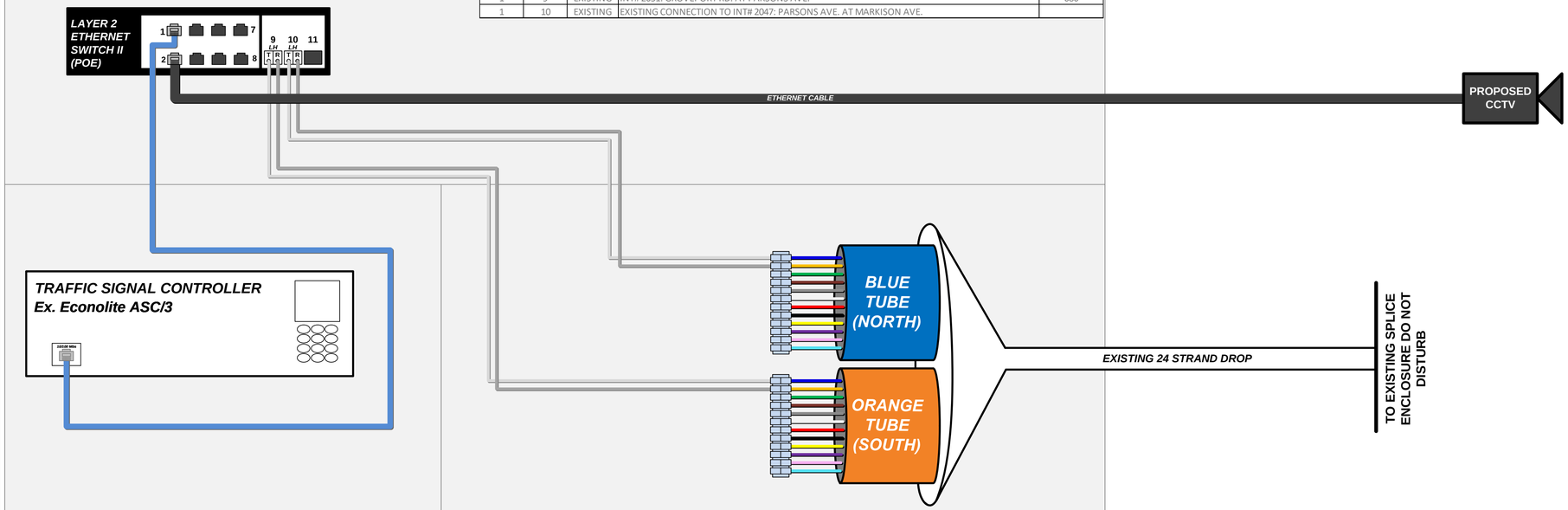
CITY OF COLUMBUS TRAFFIC SIGNAL SYSTEM
(CTSS) PHASE F – FINAL SUBMITTAL

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TRAFFIC SIGNAL CABINET ASSEMBLY

SWITCH	PORT	STATUS	DESTINATION	SHEET NO
1	9	EXISTING	INT# 2051: GROVEPORT RD. AT PARSONS AVE.	680
1	10	EXISTING	EXISTING CONNECTION TO INT# 2047: PARSONS AVE. AT MARKISON AVE.	

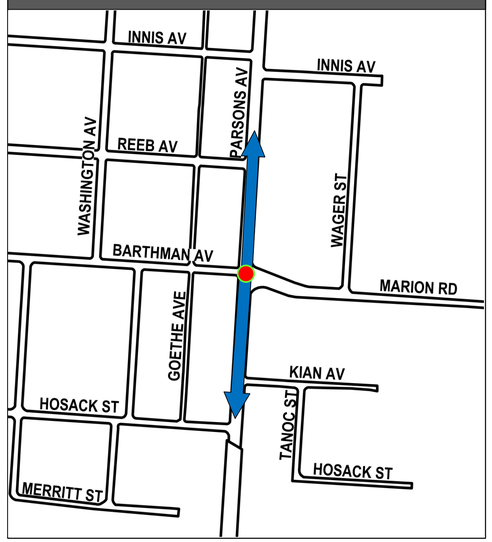


EXISTING PATCH PANEL ENCLOSURE – 24 TERMINATION

LEGEND

- FIBER PATCH CABLES T/R STANDARD
- FIBER PATCH CABLES R/T CROSSOVER
- EXISTING FIBER PATCH CABLES
- OUTDOOR CAT 5E CABLE
- INDOOR CAT 5E CABLE
- CAT 5E CABLE TO BE REMOVED
- TERMINATION PANEL UPC (Blue)/APC (Green)
- EXISTING/PROPOSED FIBER OR BUFFER TUBE LEFT COILED IN SPLICE ENCLOSURE
- FUSION SPLICE – 6 FIBERS/ SINGLE FIBER
- FUSION SPLICE – 12 FIBER BUFFER TUBE
- EXISTING FUSION SPLICE – 12 FIBER BUFFER TUBE
- INTERSECTION LOCATION
- LH ZX GBIC OPTICAL TRANSCEIVER LH - SHORT HAUL LED ZX – LONG HAUL LASER
- SFP/COPPER/CAT5/5E/6 CONNECTOR
- COPPER/CAT5/5E/6 CONNECTOR
- 144 STRAND SMF
- 288 STRAND SMF
- WIRELESS ETHERNET RADIO

KEY PLAN



INTERSECTION 2049

REFER TO SHEET 436 FOR CONSTRUCTION PLAN DETAILS

CIP: 540007 - 100012
PID NUMBER: 99733

INT# 2049: BARTHMAN AVE. AT PARSONS AVE.
COMMUNICATIONS DIAGRAM

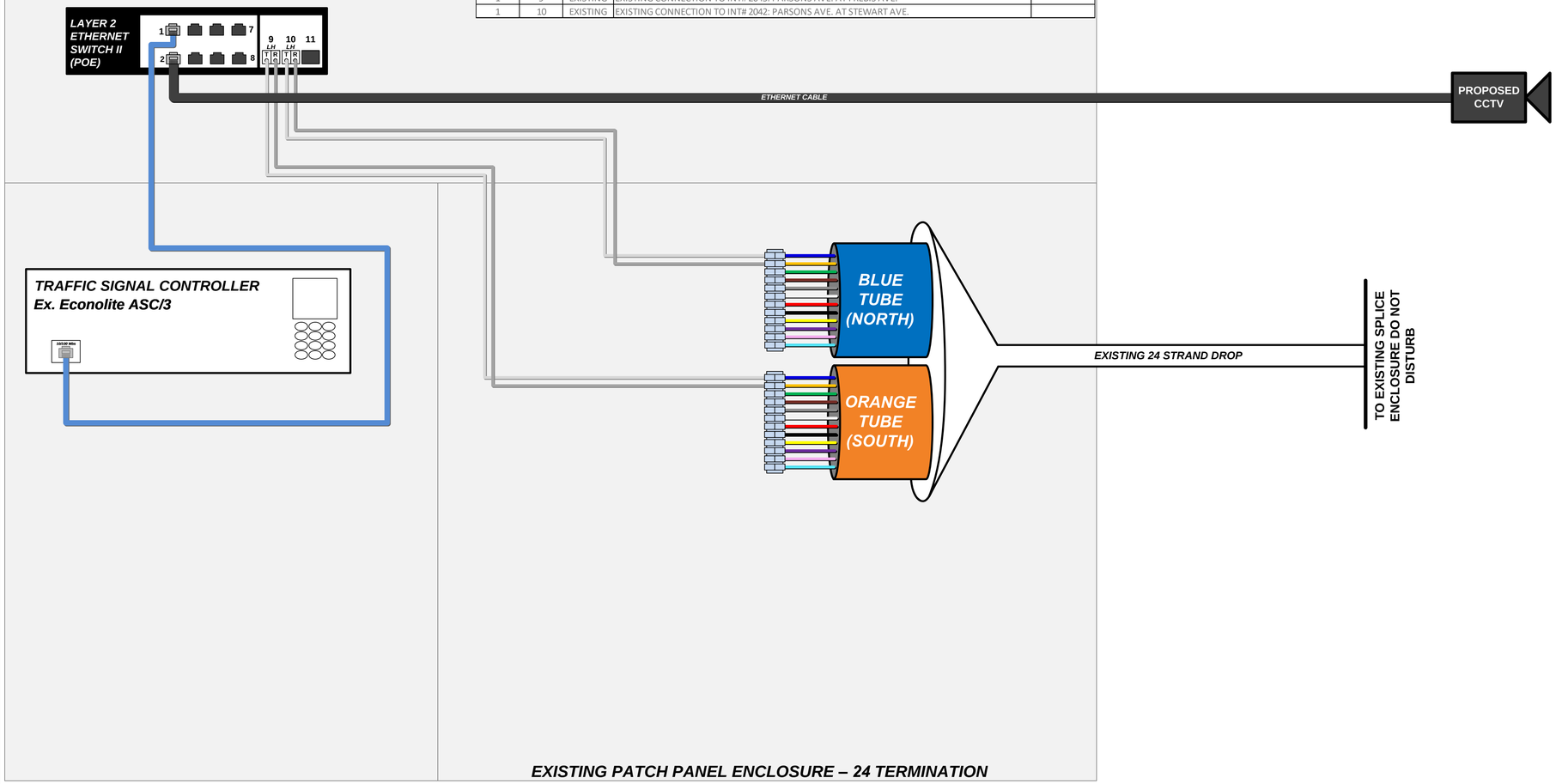
CITY OF COLUMBUS TRAFFIC SIGNAL SYSTEM
(CTSS) PHASE F – FINAL SUBMITTAL

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TRAFFIC SIGNAL CABINET ASSEMBLY

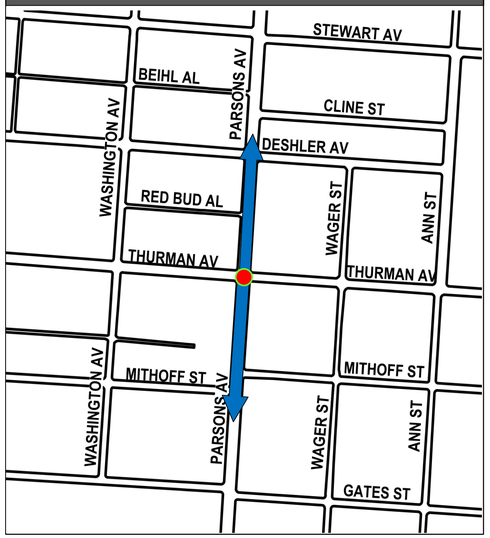
SWITCH	PORT	STATUS	DESTINATION	SHEET NO
1	9	EXISTING	EXISTING CONNECTION TO INT# 2045: PARSONS AVE. AT FREBIS AVE.	
1	10	EXISTING	EXISTING CONNECTION TO INT# 2042: PARSONS AVE. AT STEWART AVE.	



LEGEND

- FIBER PATCH CABLES T/R STANDARD
- FIBER PATCH CABLES R/T CROSSOVER
- EXISTING FIBER PATCH CABLES
- OUTDOOR CAT 5E CABLE
- INDOOR CAT 5E CABLE
- CAT 5E CABLE TO BE REMOVED
- TERMINATION PANEL UPC (Blue)/APC (Green)
- EXISTING/PROPOSED FIBER OR BUFFER TUBE LEFT COILED IN SPLICE ENCLOSURE
- FUSION SPLICE – 6 FIBERS/ SINGLE FIBER
- FUSION SPLICE – 12 FIBER BUFFER TUBE
- EXISTING FUSION SPLICE – 12 FIBER BUFFER TUBE
- INTERSECTION LOCATION
- LH ZX GBIC OPTICAL TRANSCEIVER LH - SHORT HAUL LED ZX – LONG HAUL LASER
- SFP/COPPER/CAT5/5E/6 CONNECTOR
- COPPER/CAT5/5E/6 CONNECTOR
- 144 STRAND SMF
- 288 STRAND SMF
- WIRELESS ETHERNET RADIO

KEY PLAN



INTERSECTION 2043

REFER TO SHEET 437 FOR CONSTRUCTION PLAN DETAILS

CIP: 540007 - 100012
PID NUMBER: 99733

INT# 2043: PARSONS AVE. AT THURMAN AVE.
COMMUNICATIONS DIAGRAM

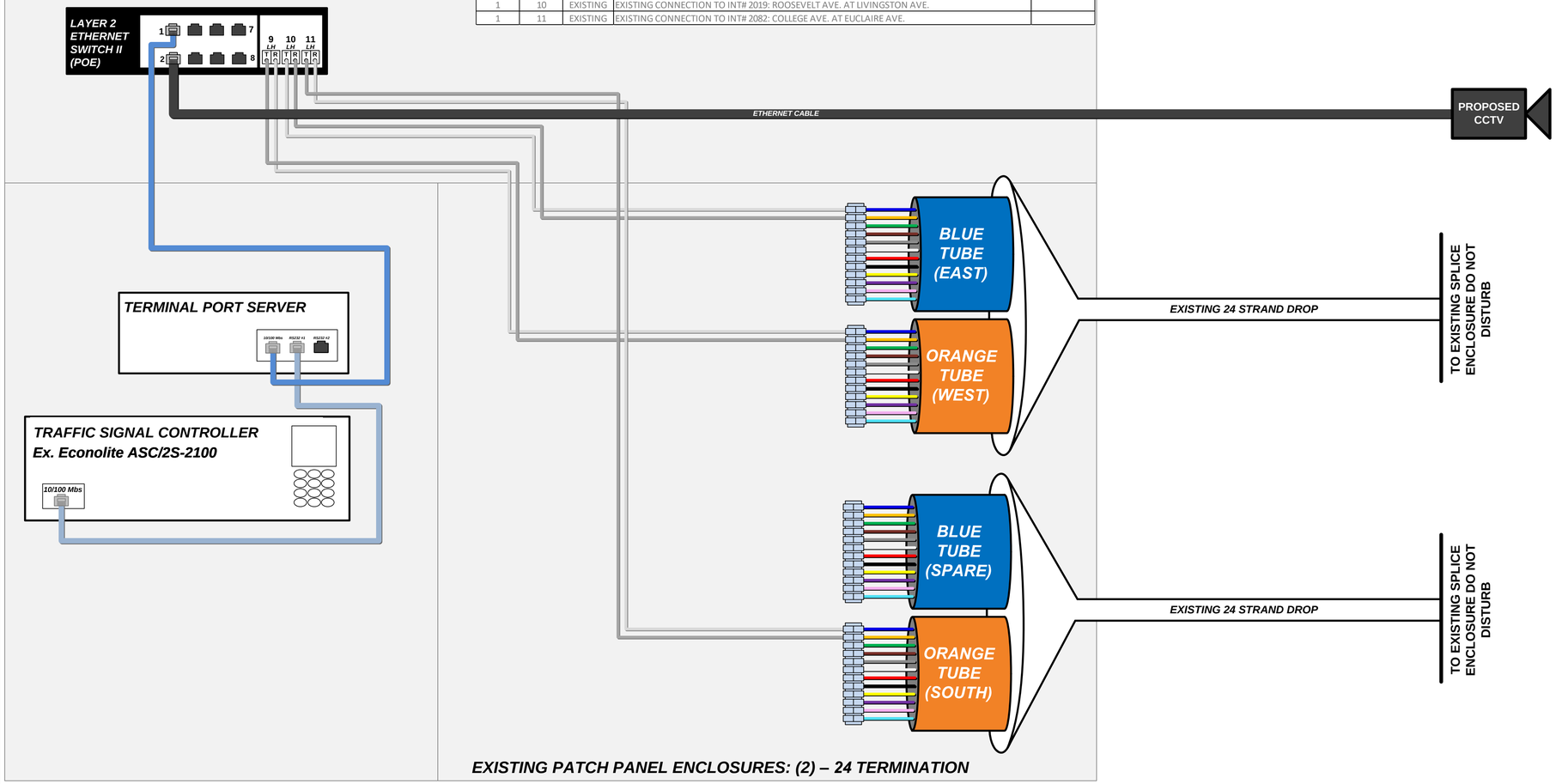
CITY OF COLUMBUS TRAFFIC SIGNAL SYSTEM
(CTSS) PHASE F – FINAL SUBMITTAL

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TRAFFIC SIGNAL CABINET ASSEMBLY

SWITCH	PORT	STATUS	DESTINATION	SHEET NO
1	9	EXISTING	EXISTING CONNECTION TO INT# 2017: I-70 WB RAMPS AT LIVINGSTON AVE.	
1	10	EXISTING	EXISTING CONNECTION TO INT# 2019: ROOSEVELT AVE. AT LIVINGSTON AVE.	
1	11	EXISTING	EXISTING CONNECTION TO INT# 2082: COLLEGE AVE. AT EUCLAIRE AVE.	



LEGEND

- FIBER PATCH CABLES T/R STANDARD
- FIBER PATCH CABLES R/T CROSSOVER
- EXISTING FIBER PATCH CABLES
- OUTDOOR CAT 5E CABLE
- INDOOR CAT 5E CABLE
- CAT 5E CABLE TO BE REMOVED
- TERMINATION PANEL UPC (Blue)/APC (Green)
- EXISTING/PROPOSED FIBER OR BUFFER TUBE LEFT COILED IN SPLICE ENCLOSURE
- FUSION SPLICE – 6 FIBERS/ SINGLE FIBER
- FUSION SPLICE – 12 FIBER BUFFER TUBE
- EXISTING FUSION SPLICE – 12 FIBER BUFFER TUBE
- INTERSECTION LOCATION
- GBIC OPTICAL TRANSCEIVER LH - SHORT HAUL LED ZX – LONG HAUL LASER
- SFP/COPPER/CAT5/5E/6 CONNECTOR
- COPPER/CAT5/5E/6 CONNECTOR
- 144 STRAND SMF
- 288 STRAND SMF
- WIRELESS ETHERNET RADIO

KEY PLAN



INTERSECTION 2018

REFER TO SHEET 438 FOR CONSTRUCTION PLAN DETAILS

CIP: 540007 - 100012
PID NUMBER: 99733

INT# 2018: COLLEGE AVE. AT LIVINGSTON AVE.
COMMUNICATIONS DIAGRAM

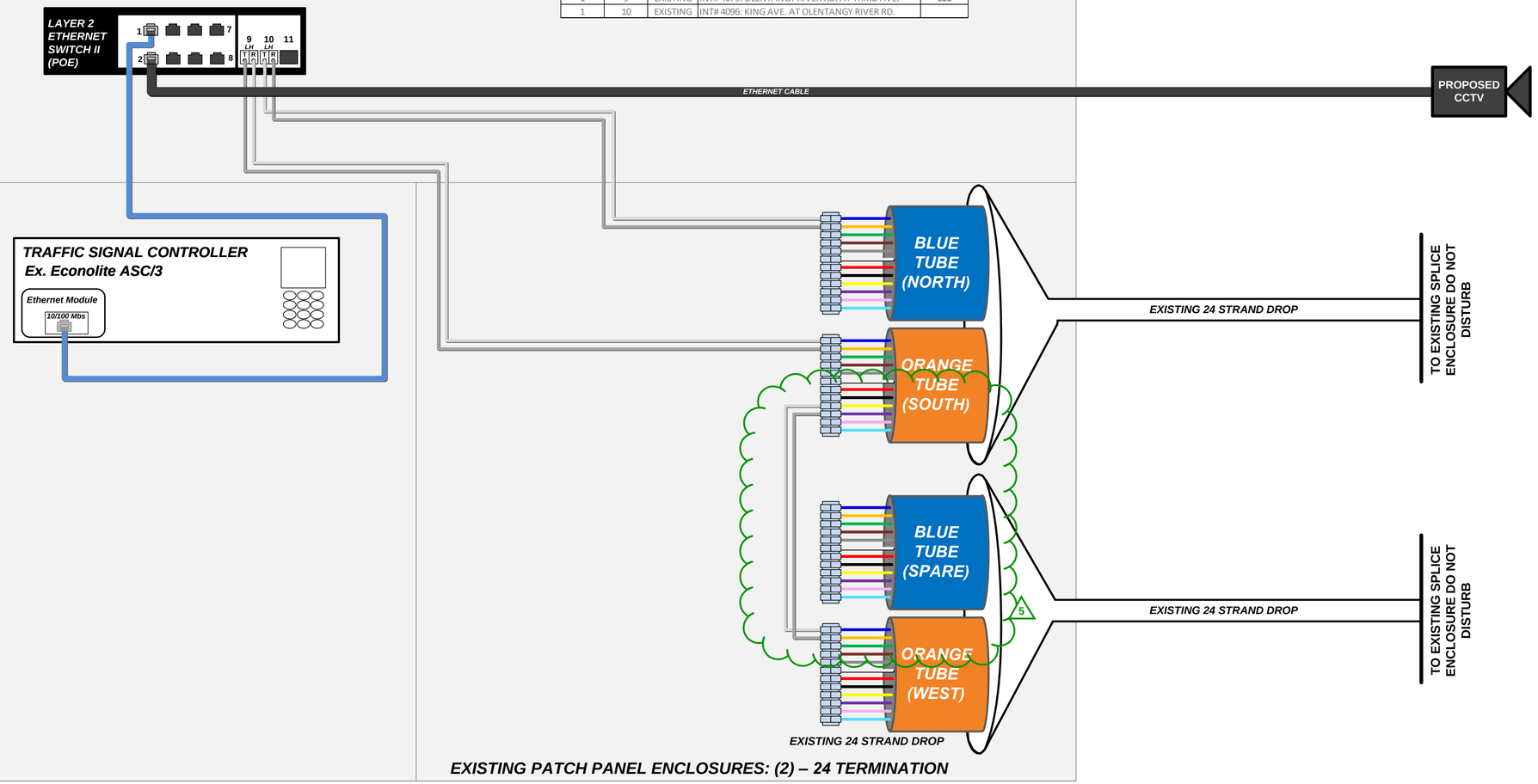
CITY OF COLUMBUS TRAFFIC SIGNAL SYSTEM
(CTSS) PHASE F – FINAL SUBMITTAL

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TRAFFIC SIGNAL CABINET ASSEMBLY

SWITCH	PORT	STATUS	DESTINATION	SHEET NO
1	9	EXISTING	INT# 4079: OLENTANGY RIVER RD. AT THIRD AVE.	606
1	10	EXISTING	INT# 4096: KING AVE. AT OLENTANGY RIVER RD.	

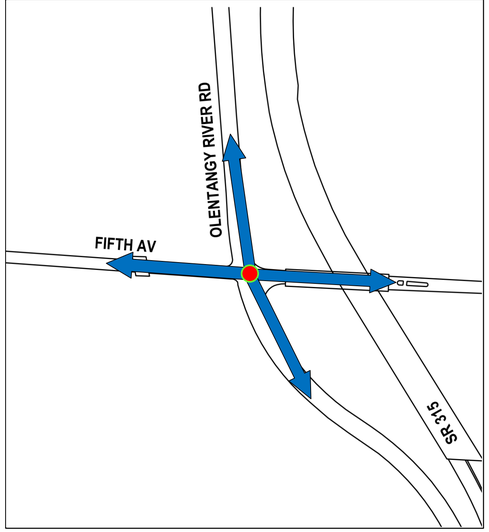


EXISTING PATCH PANEL ENCLOSURES: (2) – 24 TERMINATION

LEGEND

- FIBER PATCH CABLES T/R STANDARD
- FIBER PATCH CABLES R/T CROSSOVER
- EXISTING FIBER PATCH CABLES
- OUTDOOR CAT 5E CABLE
- INDOOR CAT 5E CABLE
- CAT 5E CABLE TO BE REMOVED
- TERMINATION PANEL UPC (Blue)/APC (Green)
- EXISTING/PROPOSED FIBER OR BUFFER TUBE LEFT COILED IN SPLICE ENCLOSURE
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- FUSION SPLICE – 12 FIBER BUFFER TUBE
- EXISTING FUSION SPLICE – 12 FIBER BUFFER TUBE
- INTERSECTION LOCATION
- LH ZX – GBIC OPTICAL TRANSCEIVER LH - SHORT HAUL LED ZX – LONG HAUL LASER
- SFP/COPPER/CAT5/5E/6 CONNECTOR
- COPPER/CAT5/5E/6 CONNECTOR
- 144 STRAND SMF
- 288 STRAND SMF
- WIRELESS ETHERNET RADIO

KEY PLAN



5 DRAFT REVISION 5.0

INTERSECTION 4086

REFER TO SHEET 433 FOR CONSTRUCTION PLAN DETAILS
REFER TO SHEET 471 FOR COMM OVERVIEW DETAILS

CIP: 540007 - 100012
PID NUMBER: 99733

INT# 4086: FIFTH AVE. AT OLENTANGY RIVER RD. PATCH PANEL COMMUNICATIONS DIAGRAM

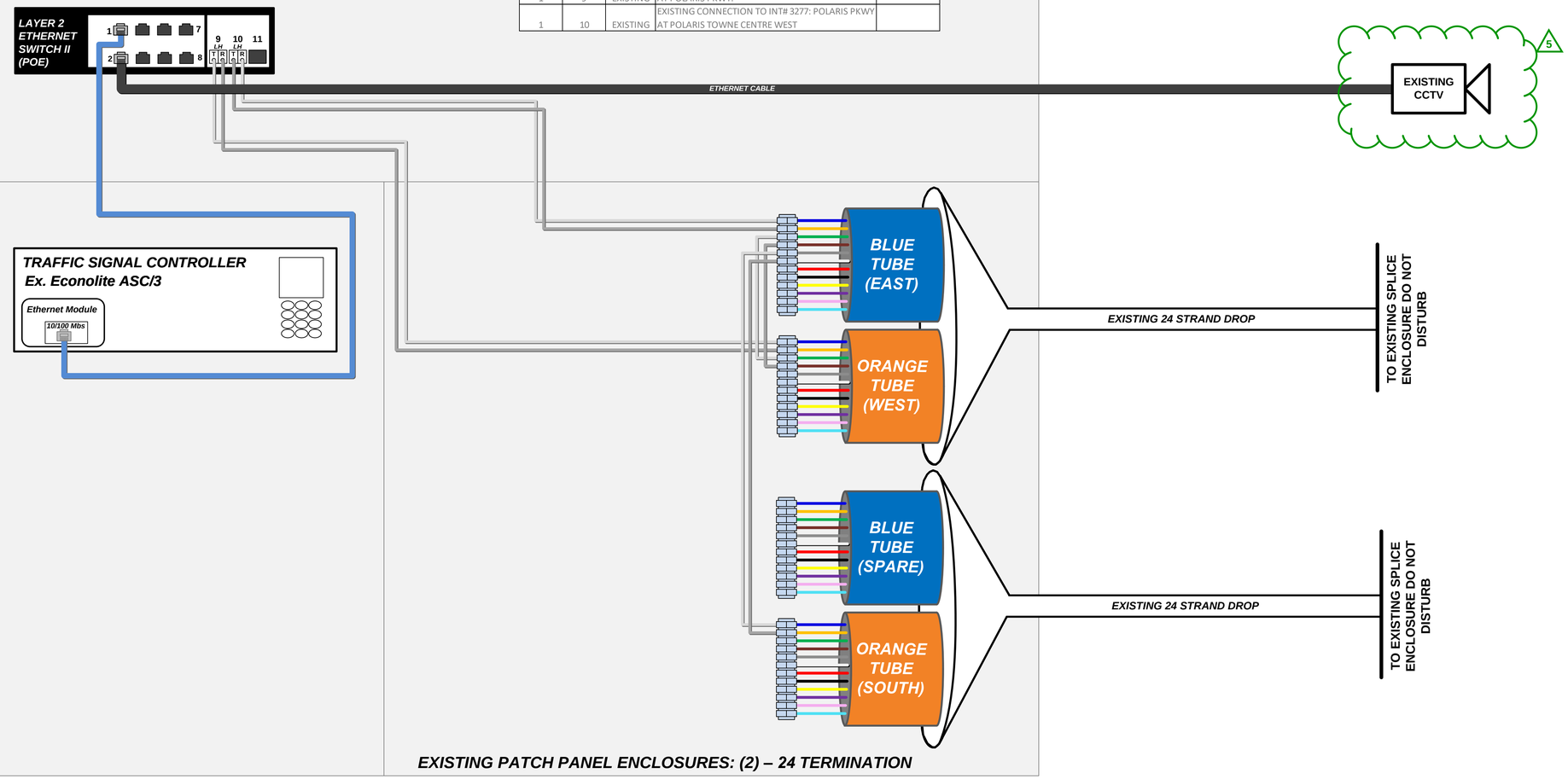
CITY OF COLUMBUS TRAFFIC SIGNAL SYSTEM (CTSS) PHASE F – FINAL SUBMITTAL

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TRAFFIC SIGNAL CABINET ASSEMBLY

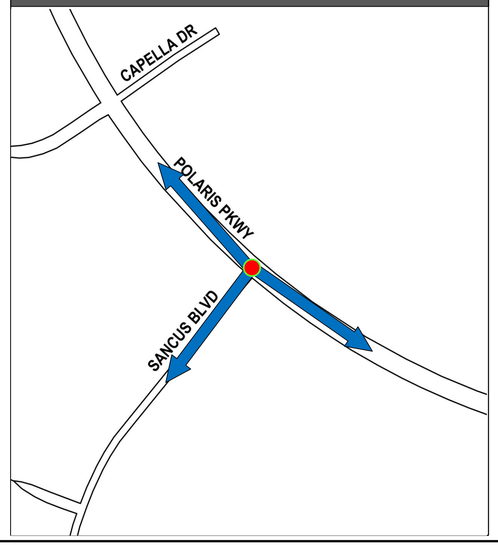
SWITCH	PORT	STATUS	DESTINATION	SHEET NO
1	9	EXISTING	EXISTING CONNECTION TO INT# 3233: CAPELLA DR. AT POLARIS PKWY.	
1	10	EXISTING	EXISTING CONNECTION TO INT# 3277: POLARIS PKWY AT POLARIS TOWNE CENTRE WEST	



LEGEND

- FIBER PATCH CABLES T/R STANDARD
- FIBER PATCH CABLES R/T CROSSOVER
- EXISTING FIBER PATCH CABLES
- OUTDOOR CAT 5E CABLE
- INDOOR CAT 5E CABLE
- CAT 5E CABLE TO BE REMOVED
- TERMINATION PANEL UPC (Blue)/APC (Green)
- EXISTING/PROPOSED FIBER OR BUFFER TUBE LEFT COILED IN SPLICE ENCLOSURE
- FUSION SPLICE – 6 FIBERS/ SINGLE FIBER
- FUSION SPLICE – 12 FIBER BUFFER TUBE
- EXISTING FUSION SPLICE – 12 FIBER BUFFER TUBE
- INTERSECTION LOCATION
- GBIC OPTICAL TRANSCEIVER LH - SHORT HAUL LED ZX – LONG HAUL LASER
- SFP/COPPER/CAT5/5E/6 CONNECTOR
- COPPER/CAT5/5E/6 CONNECTOR
- 144 STRAND SMF
- 288 STRAND SMF
- WIRELESS ETHERNET RADIO

KEY PLAN



Sheet 685a can be found on page 774/774 of this document

5 DRAFT REVISION 5.0

INTERSECTION 3232

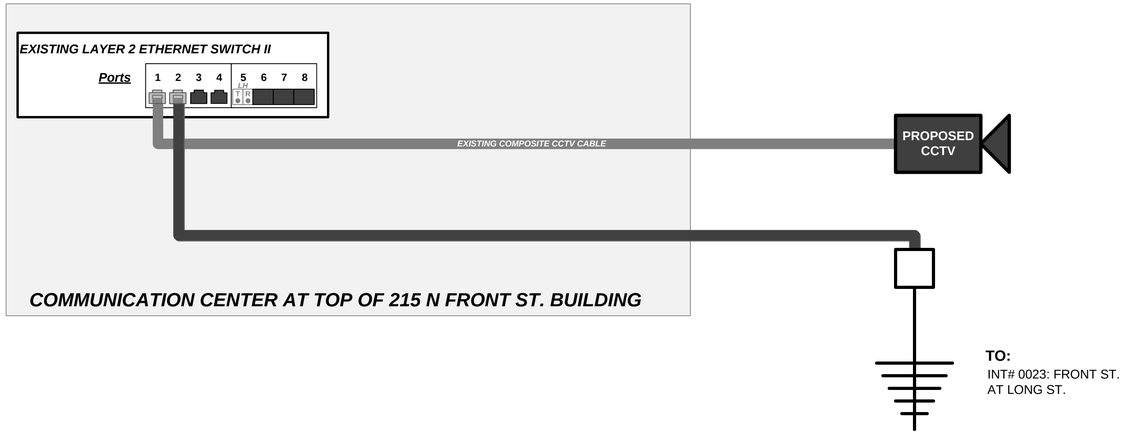
REFER TO SHEET 422 FOR CONSTRUCTION PLAN DETAILS

CIP: 540007 - 100012
PID NUMBER: 99733

INT# 3232: POLARIS PARKWAY AT SANCUS BLVD. PATCH PANEL COMMUNICATIONS DIAGRAM

CITY OF COLUMBUS TRAFFIC SIGNAL SYSTEM (CTSS) PHASE F – FINAL SUBMITTAL

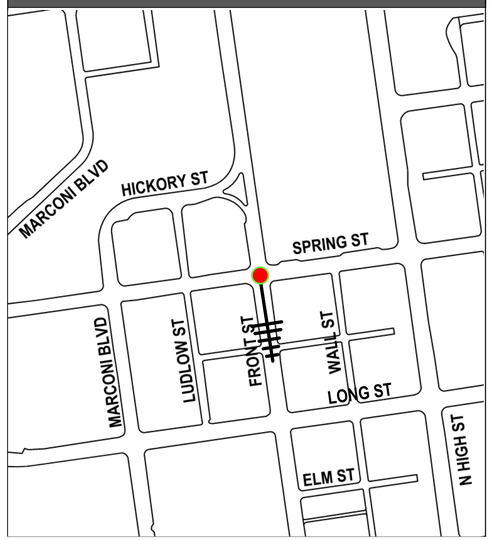
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LEGEND

- FIBER PATCH CABLES T/R STANDARD
- FIBER PATCH CABLES R/T CROSSOVER
- EXISTING FIBER PATCH CABLES
- OUTDOOR CAT 5E CABLE
- INDOOR CAT 5E CABLE
- CAT 5E CABLE TO BE REMOVED
- TERMINATION PANEL UPC (Blue)/APC (Green)
- EXISTING/PROPOSED FIBER OR BUFFER TUBE LEFT COILED IN SPLICE ENCLOSURE
- FUSION SPLICE – 6 FIBERS/ SINGLE FIBER
- FUSION SPLICE – 12 FIBER BUFFER TUBE
- EXISTING FUSION SPLICE – 12 FIBER BUFFER TUBE
- INTERSECTION LOCATION
- GBIC OPTICAL TRANSCEIVER LH - SHORT HAUL LED ZX – LONG HAUL LASER
- SFP/COPPER/CAT5/5E/6 CONNECTOR
- COPPER/CAT5/5E/6 CONNECTOR
- 144 STRAND SMF
- 288 STRAND SMF
- WIRELESS ETHERNET RADIO

KEY PLAN



NOTE:
REMOVE EXISTING CCTV FIELD CONTROLLER

INTERSECTION 0014

REFER TO SHEET 440 FOR CONSTRUCTION PLAN DETAILS

2 REVISION 2.0

CIP: 540007 - 100012
PID NUMBER: 99733

INT# 0014: FRONT ST. AT SPRING ST.
COMMUNICATIONS DIAGRAM

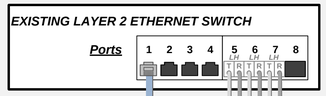
CITY OF COLUMBUS TRAFFIC SIGNAL SYSTEM
(CTSS) PHASE F – FINAL SUBMITTAL

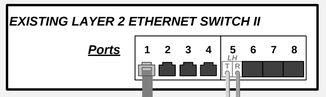
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TRAFFIC SIGNAL CABINET ASSEMBLY

SWITCH	PORT	STATUS	DESTINATION	SHEET NO
1	5	EXISTING	INT# 0084: THIRD ST. AT MOUND ST.	
1	6	EXISTING	INT# 0074: FRONT ST. AT MAIN ST.	

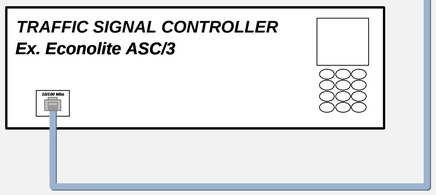




EXISTING COMPOSITE CCTV CABLE

PROPOSED CCTV

COMMUNICATION CENTER AT TOP OF 375 S HIGH ST. BUILDING



BLUE TUBE (NORTH)

ORANGE TUBE (EAST)

EXISTING 24 STRAND DROP

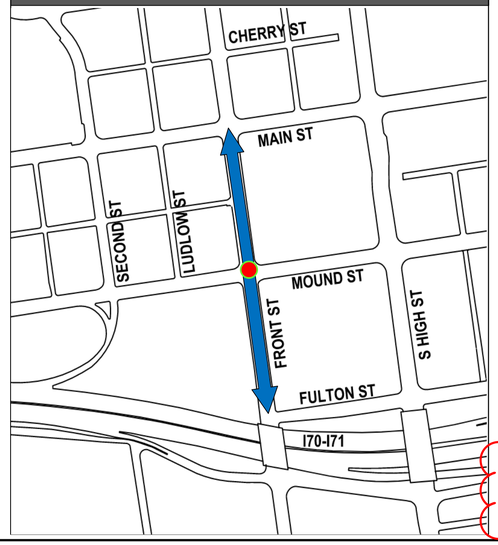
TO EXISTING SPLICE ENCLOSURE DO NOT DISTURB

EXISTING PATCH PANEL ENCLOSURE – 24 TERMINATION

LEGEND

- FIBER PATCH CABLES T/R STANDARD
- FIBER PATCH CABLES R/T CROSSOVER
- EXISTING FIBER PATCH CABLES
- OUTDOOR CAT 5E CABLE
- INDOOR CAT 5E CABLE
- CAT 5E CABLE TO BE REMOVED
- TERMINATION PANEL UPC (Blue)/APC (Green)
- EXISTING/PROPOSED FIBER OR BUFFER TUBE LEFT COILED IN SPLICE ENCLOSURE
- FUSION SPLICE – 6 FIBERS/ SINGLE FIBER
- FUSION SPLICE – 12 FIBER BUFFER TUBE
- EXISTING FUSION SPLICE – 12 FIBER BUFFER TUBE
- INTERSECTION LOCATION
- GBIC OPTICAL TRANSCEIVER LH - SHORT HAUL LED ZX – LONG HAUL LASER
- SFP/COPPER/CAT5/5E/6 CONNECTOR
- COPPER/CAT5/5E/6 CONNECTOR
- 144 STRAND SMF
- 288 STRAND SMF
- WIRELESS ETHERNET RADIO

KEY PLAN



NOTE:
REMOVE EXISTING CCTV FIELD CONTROLLER

2 REVISION 2.0

INTERSECTION 0087

REFER TO SHEET 441 FOR CONSTRUCTION PLAN DETAILS

CIP: 540007 - 100012
PID NUMBER: 99733

INT# 0087: FRONT ST. AT MOUND ST.
COMMUNICATIONS DIAGRAM

CITY OF COLUMBUS TRAFFIC SIGNAL SYSTEM
(CTSS) PHASE F – FINAL SUBMITTAL

687
768

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TRAFFIC SIGNAL CABINET ASSEMBLY

SWITCH	PORT	STATUS	DESTINATION	SHEET NO
1	3	EXISTING	INT# 0025: LONG ST. AT THIRD ST.	
1	5	EXISTING	INT# 0038: GAY ST. AT GRANT AVE	
1	6	EXISTING	COMMUNICATION HUB: 77 N FRONT ST.	
1	7	EXISTING	88 E BROAD ST. COMM CENTER (CCTV)	

EXISTING LAYER 2 ETHERNET SWITCH

Ports 1 2 3 4 5 6 7 8 (LH T R, LH T R)

TERMINAL PORT SERVER

10/100 Mbs RS232 #1 RS232 #2

TRAFFIC SIGNAL CONTROLLER
Ex. Econolite ASC/2S-2100

10/100 Mbs

FOR FUTURE USE

TO:
INT# 0098: LYNN
ALLEY AT THIRD ST.

TO:
INT# 0023: FRONT ST.
AT LONG ST.

BLUE TUBE (NORTH)

ORANGE TUBE (SOUTH)

EXISTING 24 STRAND DROP

BLUE TUBE (EAST)

ORANGE TUBE (WEST)

EXISTING 24 STRAND DROP

TO EXISTING SPLICE ENCLOSURE DO NOT DISTURB

EXISTING PATCH PANEL ENCLOSURES: (2) – 24 TERMINATION

COMMUNICATION CENTER AT TOP OF 88 E. BROAD ST. BUILDING

BLUE TUBE

ORANGE TUBE

EXISTING LAYER 2 ETHERNET SWITCH II

Ports 1 2 3 4 5 6 7 8 (LH T R)

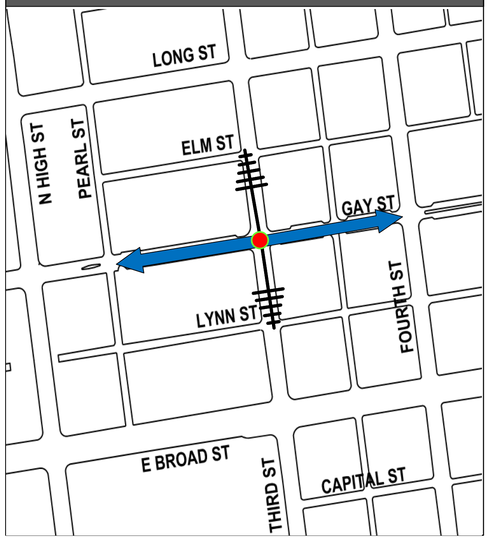
EXISTING COMPOSITE CCTV CABLE

PROPOSED CCTV

LEGEND

- FIBER PATCH CABLES T/R STANDARD
- FIBER PATCH CABLES R/T CROSSOVER
- EXISTING FIBER PATCH CABLES
- OUTDOOR CAT 5E CABLE
- INDOOR CAT 5E CABLE
- CAT 5E CABLE TO BE REMOVED
- TERMINATION PANEL UPC (Blue)/APC (Green)
- EXISTING/PROPOSED FIBER OR BUFFER TUBE LEFT COILED IN SPLICE ENCLOSURE
- FUSION SPLICE – 6 FIBERS/ SINGLE FIBER
- FUSION SPLICE – 12 FIBER BUFFER TUBE
- EXISTING FUSION SPLICE – 12 FIBER BUFFER TUBE
- INTERSECTION LOCATION
- GBIC OPTICAL TRANSCEIVER LH - SHORT HAUL LED ZX – LONG HAUL LASER
- SFP/COPPER/CAT5/5E/6 CONNECTOR
- COPPER/CAT5/5E/6 CONNECTOR
- 144 STRAND SMF
- 288 STRAND SMF
- WIRELESS ETHERNET RADIO

KEY PLAN



NOTE:
REMOVE EXISTING CCTV FIELD CONTROLLER.
CAMERA IS LOCATED AT INT# 0041: BROAD ST. AT THIRD ST.
EXISTING COMMUNICATIONS ARE LOCATED AT INTERSECTION SHOWN.

INTERSECTION 0035

REVISION 2.0

REFER TO SHEET 442 FOR CONSTRUCTION PLAN DETAILS

CIP: 540007 - 100012
PID NUMBER: 99733

INT# 0035: GAY ST. AT THIRD ST.
COMMUNICATIONS DIAGRAM

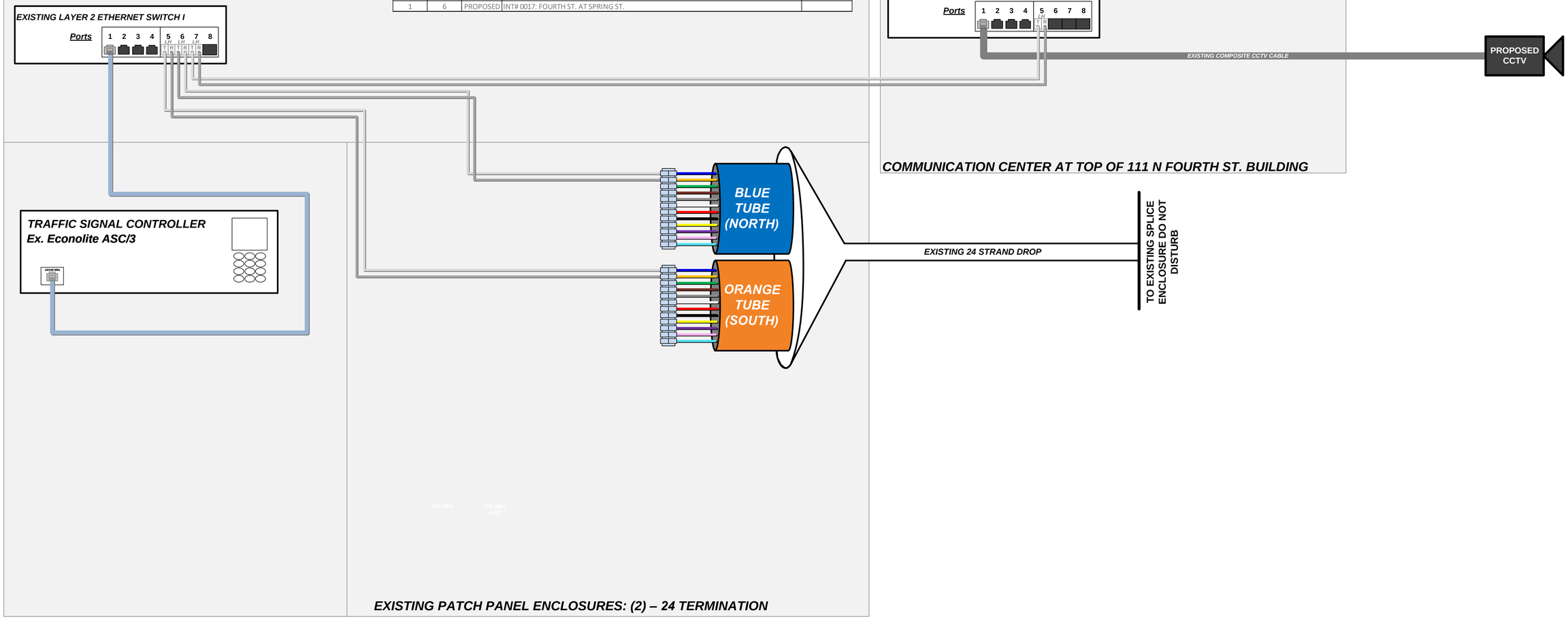
CITY OF COLUMBUS TRAFFIC SIGNAL SYSTEM
(CTSS) PHASE F – FINAL SUBMITTAL

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TRAFFIC SIGNAL CABINET ASSEMBLY

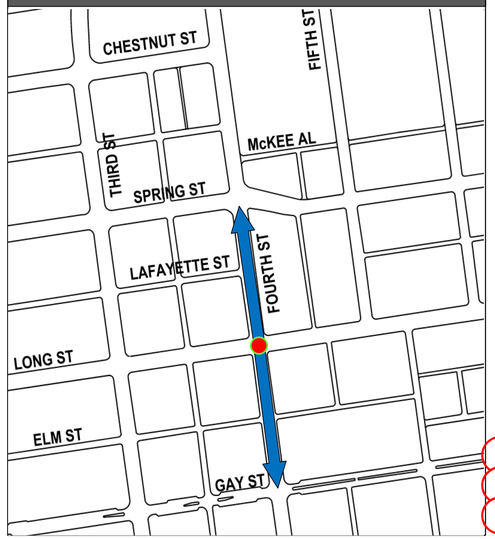
SWITCH	PORT	STATUS	DESTINATION	SHEET NO
1	5	PROPOSED	INT# 0036: FOURTH ST. AT GAY ST.	
1	6	PROPOSED	INT# 0017: FOURTH ST. AT SPRING ST.	



LEGEND

- FIBER PATCH CABLES T/R STANDARD
- FIBER PATCH CABLES R/T CROSSOVER
- EXISTING FIBER PATCH CABLES
- OUTDOOR CAT 5E CABLE
- INDOOR CAT 5E CABLE
- CAT 5E CABLE TO BE REMOVED
- TERMINATION PANEL UPC (Blue)/APC (Green)
- EXISTING/PROPOSED FIBER OR BUFFER TUBE LEFT COILED IN SPLICE ENCLOSURE
- FUSION SPLICE – 6 FIBERS/ SINGLE FIBER
- FUSION SPLICE – 12 FIBER BUFFER TUBE
- EXISTING FUSION SPLICE – 12 FIBER BUFFER TUBE
- INTERSECTION LOCATION
- GBIC OPTICAL TRANSCEIVER LH - SHORT HAUL LED ZX – LONG HAUL LASER
- SFP/COPPER/CAT5/5E/6 CONNECTOR
- COPPER/CAT5/5E/6 CONNECTOR
- 144 STRAND SMF
- 288 STRAND SMF
- WIRELESS ETHERNET RADIO

KEY PLAN



NOTE:
REMOVE EXISTING CCTV FIELD CONTROLLER

2

INTERSECTION 0026

2 REVISION 2.0

REFER TO SHEET 443 FOR CONSTRUCTION PLAN DETAILS

CIP: 540007 - 100012
PID NUMBER: 99733

INT# 0026: FOURTH ST. AT LONG ST.
COMMUNICATIONS DIAGRAM

CITY OF COLUMBUS TRAFFIC SIGNAL SYSTEM
(CTSS) PHASE F – FINAL SUBMITTAL

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TRAFFIC SIGNAL CABINET ASSEMBLY

SWITCH	PORT	STATUS	DESTINATION	SHEET NO
1	5	PROPOSED	INT# 0071: FOURTH ST. AT RICH ST.	
1	6	PROPOSED	INT# 0057: FOURTH ST. AT STATE ST.	

EXISTING LAYER 2 ETHERNET SWITCH I

Ports 1 2 3 4 5 6 7 8

EXISTING LAYER 2 ETHERNET SWITCH II

Ports 1 2 3 4 5 6 7 8

EXISTING COMPOSITE CCTV CABLE

PROPOSED CCTV

COMMUNICATION CENTER AT TOP OF 140 TOWN ST. BUILDING

TRAFFIC SIGNAL CONTROLLER
Ex. Econolite ASC/3

BLUE TUBE (NORTH)

ORANGE TUBE (SOUTH)

EXISTING 24 STRAND DROP

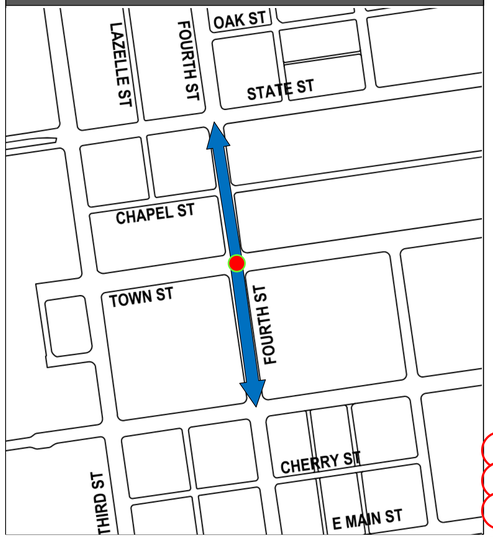
TO EXISTING SPLICE ENCLOSURE DO NOT DISTURB

EXISTING PATCH PANEL ENCLOSURE – 24 TERMINATION

LEGEND

- FIBER PATCH CABLES T/R STANDARD
- FIBER PATCH CABLES R/T CROSSOVER
- EXISTING FIBER PATCH CABLES
- OUTDOOR CAT 5E CABLE
- INDOOR CAT 5E CABLE
- CAT 5E CABLE TO BE REMOVED
- TERMINATION PANEL UPC (Blue)/APC (Green)
- EXISTING/PROPOSED FIBER OR BUFFER TUBE LEFT COILED IN SPLICE ENCLOSURE
- FUSION SPLICE – 6 FIBERS/ SINGLE FIBER
- FUSION SPLICE – 12 FIBER BUFFER TUBE
- EXISTING FUSION SPLICE – 12 FIBER BUFFER TUBE
- INTERSECTION LOCATION
- GBIC OPTICAL TRANSCEIVER LH - SHORT HAUL LED ZX – LONG HAUL LASER
- SFP/COPPER/CAT5/5E/6 CONNECTOR
- COPPER/CAT5/5E/6 CONNECTOR
- 144 STRAND SMF
- 288 STRAND SMF
- WIRELESS ETHERNET RADIO

KEY PLAN



NOTE:
REMOVE EXISTING CCTV FIELD CONTROLLER

2

INTERSECTION 0064

2 REVISION 2.0

REFER TO SHEET 444 FOR CONSTRUCTION PLAN DETAILS

CIP: 540007 - 100012
PID NUMBER: 99733

INT# 0064: FOURTH ST. AT TOWN ST.
COMMUNICATIONS DIAGRAM

CITY OF COLUMBUS TRAFFIC SIGNAL SYSTEM
(CTSS) PHASE F – FINAL SUBMITTAL

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COMMUNICATION NODE EQUIPMENT CABINET (#2)

SWITCH	PORT	STATUS	DESTINATION	SHEET NO
1	13	EXISTING	INT# 4227: HARD RD. AT STANBURN RD.	
1	14	EXISTING	INT# 4144: SAWMILL RD. AT SNOUFFER	495
1	15	EXISTING	INT# 4255: I-270 AT SAWMILL RD.	496
1	16	EXISTING	INT# 4251: CHAPMAN ELEM AT SAWMILL RD.	
1	17	EXISTING	INT# 4186: BETHEL RD. AT CARRIAGE PLACE SHOPPING CENTER	497
1	25	EXISTING	EXISTING COMMUNICATION NODE# 270017.3: I-270 AT US-33/DUBLIN RD. (ROUTED)	
1	26	EXISTING	EXISTING COMMUNICATION NODE# 270022.7: I-270 AT SR-315 (ROUTED)	693
1	27	EXISTING	EXISTING COMMUNICATION NODE# 315008.6: BETHEL RD. AT SR-315 (TRUNK)	695
1	28	EXISTING	EXISTING COMMUNICATION NODE# 270022.7: I-270 AT SR-315 (TRUNK)	693

LAYER 3 ETHERNET SWITCH - #1 (CTSS)

SWITCH	PORT	STATUS	DESTINATION	SHEET NO
2	13	EXISTING	INT# 4255: I-270 AT SAWMILL RD.	496
2	14	EXISTING	INT# 4144: SAWMILL RD. AT SNOUFFER	495
2	**15**	**PROPOSED**	**INT# 4186: BETHEL RD. AT CARRIAGE PLACE SHOPPING CENTER**	**497**
2	25	EXISTING	EXISTING COMMUNICATION NODE# 270025.9: I-270 AT I-71 (ROUTED)	694
2	**27**	**PROPOSED**	**EXISTING COMMUNICATION NODE# 315008.6: BETHEL RD. AT SR-315 (TRUNK)**	**695**

LAYER 3 ETHERNET SWITCH - #2 (CVE)

24SMF DROP CABLE

24SMF DROP CABLE1

24 STRAND LC PATCH PANEL

24SMF DROP CABLE^2 (IR-270 BACKBONE)

MATCHLINE A - SEE SHEET 692

EXISTING 144 STRAND DROP CABLE (TRUNK – SAWMILL RD.)

CTSS 144 STRAND LC PATCH PANEL

NORTH — BLUE TUBE

ORANGE TUBE

SOUTH — RED TUBE

BLACK TUBE

SEE 2762-E CTSS PHASE B FOR INITIAL SPLICING PLAN OF DROP CABLE

EXISTING 24 STRAND DROP CABLE (BACKBONE – NODE 270022.7 SEE SHEET 693)

CTSS 24 STRAND LC PATCH PANEL

EAST — BLUE TUBE

(BACKBONE – NODE 270017.3)

WEST — ORANGE TUBE

SEE 2762-E CTSS PHASE B FOR INITIAL SPLICING PLAN OF DROP CABLE

CVE 1RU PATCH PANEL

EAST — BLUE TUBE

WEST — ORANGE TUBE

LEGEND

EQUIPMENT CABLE

- FIBER PATCH CABLES Tx/Tx
- FIBER PATCH CABLES Tx/Rx CROSSOVER
- EXISTING FIBER PATCH CABLES
- CAT 5E CABLE
- OUTDOOR CAT 5E CABLE

INTERCONNECT CABLE

- 288 STRAND SMF CABLE
- 144 STRAND SMF CABLE
- COLUMBUS FIBERNET SMF CABLE
- CITYNET SMF CABLE
- D.O.T. SMF CABLE

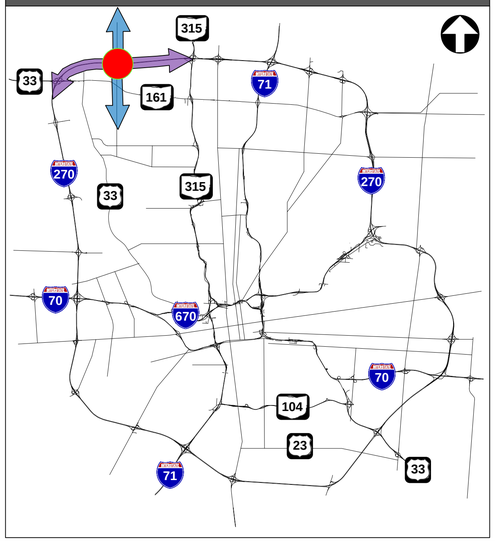
FIBER SPLICING (DARK/LIGHT – PROPOSED/EXISTING)

- FUSION SPLICE – 12 FIBER BUFFER TUBE
- FUSION SPLICE – PARTIAL BUFFER TUBE
- FUSION SPLICE – SINGLE FIBER
- COILED FIBER OR BUFFER TUBE
- # - # SWITCH # - PORT #

EQUIPMENT AND TERMINATION CABINET

- LH / ZX — GBIC OPTICAL TRANSCEIVER; LH - SHORT HAUL; ZX – LONG HAUL
- 8P8C CONNECTOR
- EMPTY SFP MODULE BAY
- LC TERMINATION – SINGLE FIBER
- TERMINATION PANEL; UPC (Blue)/APC (Green)
- WIRELESS ETHERNET RADIO

KEY PLAN



NOTES

1 PRE-TERMINATED 24SMF CABLE INSTALLED IN 4" CONDUIT CONNECTING CABINETS.

2 PATCH PANEL DROP CABLES SHALL BE FACTORY PRE-TERMINATED AND OF SUFFICIENT LENGTH TO REACH ADJACENT UNDERGROUND OR OVERHEAD SPLICE ENCLOSURE LOCATION.

INACTIVE FIBERS, AND PATCH PANELCONNECTIONS ARE NOT SHOWN ON THIS SHEET FOR CLARITY

COMMUNICATION NODE FIBER TERMINATION CABINET (#1)

COMMUNICATION NODE 270019.8

REFER TO SHEET 392 FOR CONSTRUCTION PLAN DETAILS
REFER TO SHEET 452 FOR COMM OVERVIEW DETAILS

CIP: 540007 – 100012
PID NUMBER: 99733

EXISTING COMMUNICATION NODE# 270019.8: I-270 AT SAWMILL RD. COMMUNICATIONS DIAGRAM

CITY OF COLUMBUS TRAFFIC SIGNAL SYSTEM (CTSS) PHASE F – FINAL SUBMITTAL

691
768

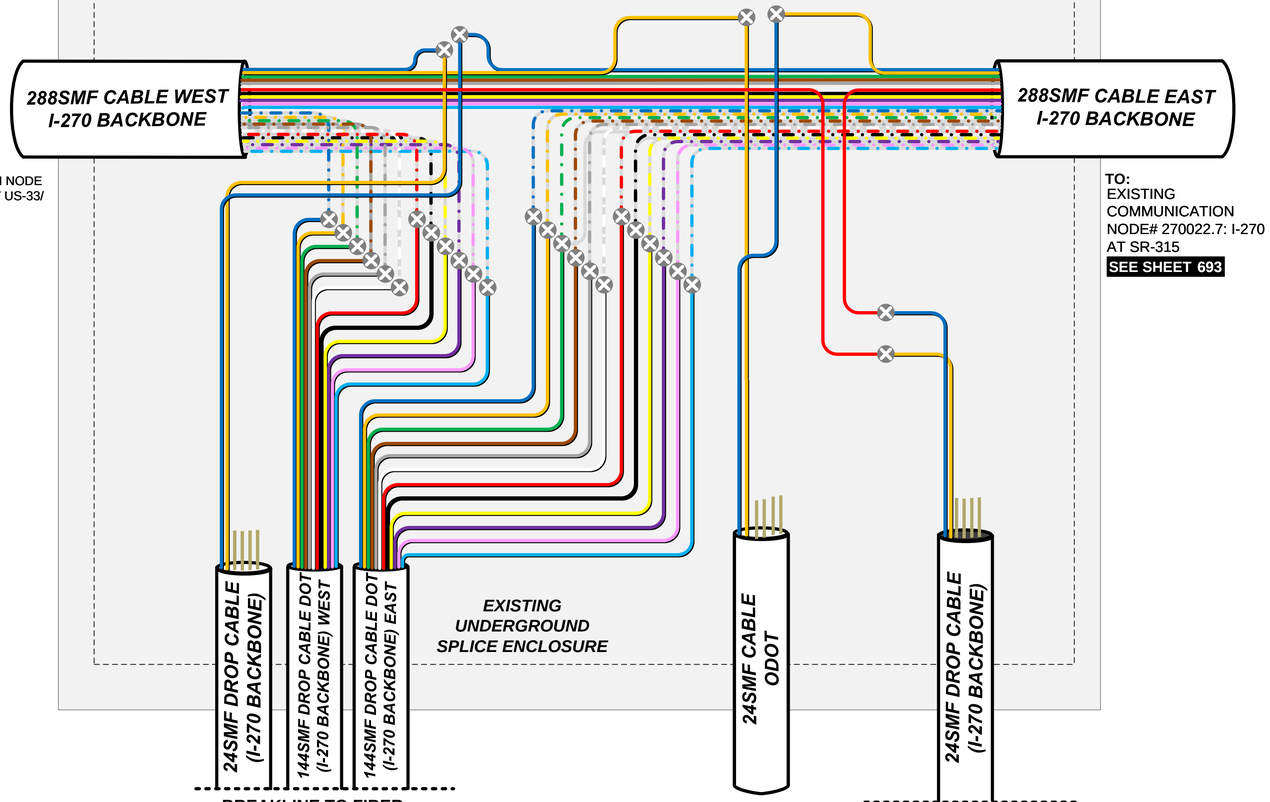
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EXISTING 32" PULL BOX

7 Cable Entries
384 Total Fusion Splices
9 Buffer Tubes Passed Through Unspliced

TO: EXISTING COMMUNICATION NODE 270017.3: I-270 AT US-33/ DUBLIN RD.



TO: EXISTING COMMUNICATION NODE# 270022.7: I-270 AT SR-315 **SEE SHEET 693**

BREAKLINE TO FIBER TERMINATION CABINET (#1) AT NODE # 270019.8: SAWMILL RD. AT IR-270

MATCHLINE A - SEE SHEET 691

LEGEND

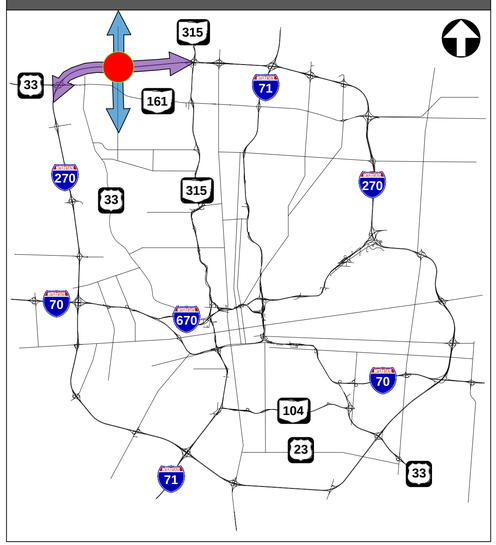
EQUIPMENT CABLE
- FIBER PATCH CABLES Tx/Tx
- FIBER PATCH CABLES Tx/Rx CROSSOVER
- EXISTING FIBER PATCH CABLES
- CAT 5E CABLE
- OUTDOOR CAT 5E CABLE

INTERCONNECT CABLE
- 288 STRAND SMF CABLE
- 144 STRAND SMF CABLE
- COLUMBUS FIBERNET SMF CABLE
- CITYNET SMF CABLE
- D.O.T. SMF CABLE

FIBER SPLICING (DARK/LIGHT – PROPOSED/EXISTING)
- FUSION SPLICE – 12 FIBER BUFFER TUBE
- FUSION SPLICE – PARTIAL BUFFER TUBE
- FUSION SPLICE – SINGLE FIBER
- COILED FIBER OR BUFFER TUBE
- # - # SWITCH # - PORT #

EQUIPMENT AND TERMINATION CABINET
- LH ZX — GBIC OPTICAL TRANSCEIVER; LH - SHORT HAUL; ZX – LONG HAUL
- 8P8C CONNECTOR
- EMPTY SFP MODULE BAY
- LC TERMINATION – SINGLE FIBER
- TERMINATION PANEL UPC (Blue)/APC (Green)
- WIRELESS ETHERNET RADIO

KEY PLAN



NOTES

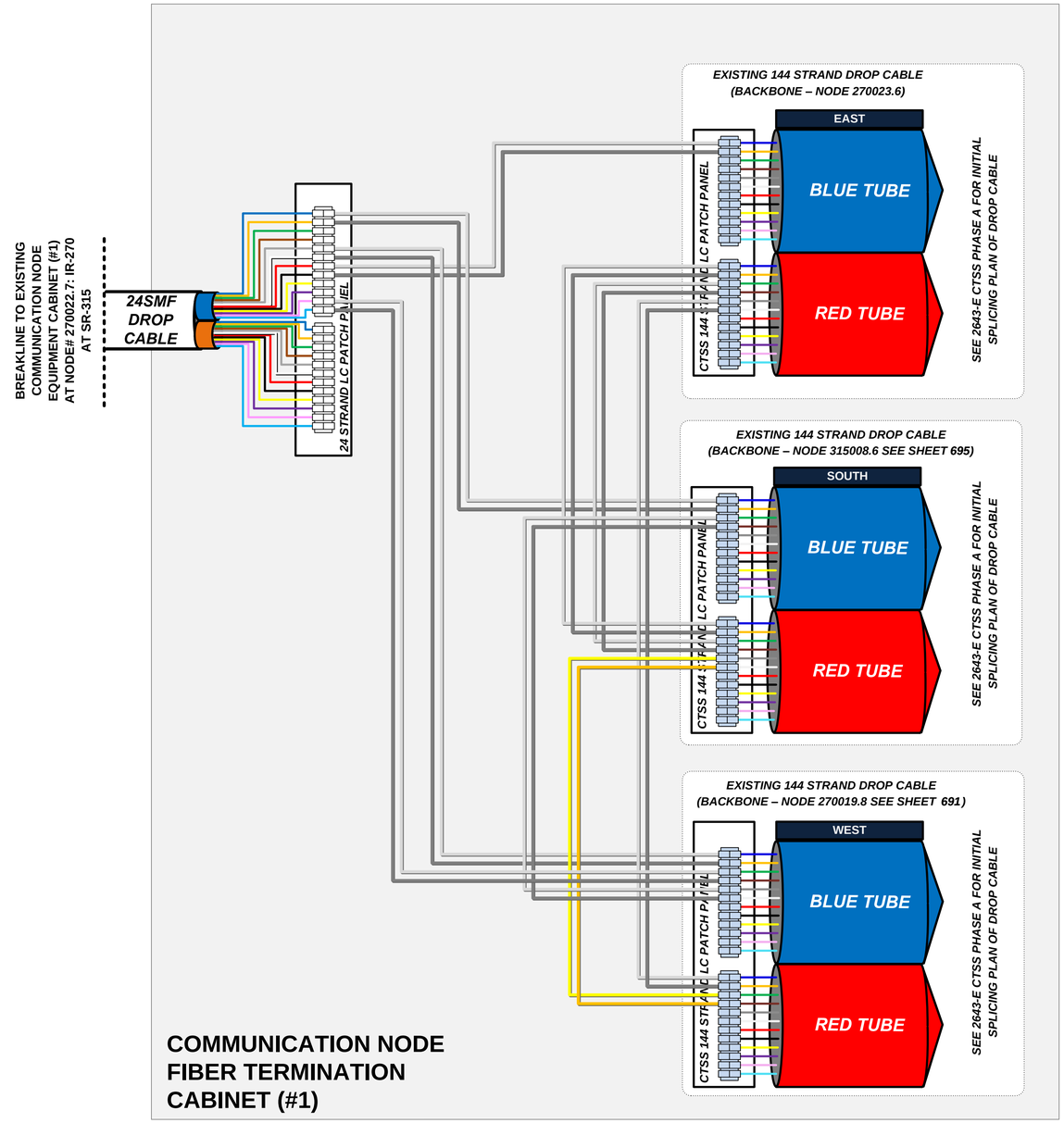
EXISTING SPLICE ENCLOSURE, 144 STRAND CABLE AND 24 DROP CABLES ARE NOT SHOW IN THIS SHEET FOR CLARITY. THOSE CABLES WILL NOT USED TO PERFORM ANY PROPOSED WORK SHOWN ABOVE.

COMMUNICATION NODE 270019.8
REFER TO SHEET 392 FOR CONSTRUCTION PLAN DETAILS
REFER TO SHEET 452 FOR COMM OVERVIEW DETAILS

CIP: 540007 – 100012
PID NUMBER: 99733

EXISTING COMMUNICATION NODE# 270019.8: I-270 AT SAWMILL RD.
FIBER OPTIC CABLE SPLICING DIAGRAM

CITY OF COLUMBUS TRAFFIC SIGNAL SYSTEM
(CTSS) PHASE F – FINAL SUBMITTAL



LEGEND

EQUIPMENT CABLE

- FIBER PATCH CABLES Tx/Tx
- FIBER PATCH CABLES Tx/Rx CROSSOVER
- EXISTING FIBER PATCH CABLES
- CAT 5E CABLE
- OUTDOOR CAT 5E CABLE

INTERCONNECT CABLE

- 288 STRAND SMF CABLE
- 144 STRAND SMF CABLE
- COLUMBUS FIBERNET SMF CABLE
- CITYNET SMF CABLE
- D.O.T. SMF CABLE

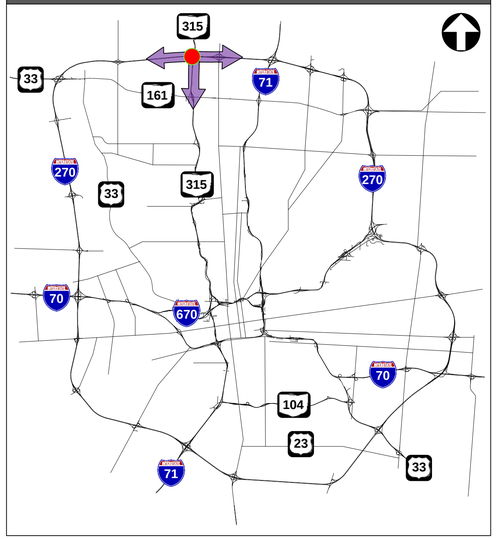
FIBER SPLICING (DARK/LIGHT – PROPOSED/EXISTING)

- FUSION SPLICE – 12 FIBER BUFFER TUBE
- FUSION SPLICE – PARTIAL BUFFER TUBE
- FUSION SPLICE – SINGLE FIBER
- COILED FIBER OR BUFFER TUBE
- # - # SWITCH # - PORT #

EQUIPMENT AND TERMINATION CABINET

- LH / ZX GBIC OPTICAL TRANSCEIVER — LH - SHORT HAUL, ZX – LONG HAUL
- 8P8C CONNECTOR
- EMPTY SFP MODULE BAY
- LC TERMINATION – SINGLE FIBER
- TERMINATION PANEL — UPC (Blue)/APC (Green)
- WIRELESS ETHERNET RADIO

KEY PLAN



NOTES

INACTIVE FIBERS, PATCHING, AND PATCH PANEL CONNECTIONS ARE NOT SHOWN ON THIS SHEET FOR CLARITY. PROPOSED PATCHING IS SHOWN IN COLOR IN THE DIAGRAM ABOVE.

COMMUNICATION NODE 270022.7

REFER TO SHEET 456 FOR COMM OVERVIEW DETAILS

CIP: 540007 – 100012
PID NUMBER: 99733

EXISTING COMMUNICATION NODE# 270022.7: I-270 AT SR-315
COMMUNICATIONS DIAGRAM

CITY OF COLUMBUS TRAFFIC SIGNAL SYSTEM
(CTSS) PHASE F – FINAL SUBMITTAL

693
768

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EXISTING COMMUNICATION NODE EQUIPMENT CABINET (#2)

EXISTING LAYER 3 ETHERNET SWITCH - #1 (CTSS)

Ports 1 2 3 4 5 6 7 8 9 10 11 12

SFP Modules 1 (blank) | 2 LH (T R) | 3 (blank) | 4 LH (T R) | 5 LH (T R) | 6 LH (T R) | 7 LH (T R) | 8 LH (T R) | 9 LH (T R) | 10 (blank) | 11 (blank) | 12 (blank)

SWITCH	PORT	STATUS	DESTINATION	SHEET NO
1	2	EXISTING	TMC COMMUNICATION HUB: 1881 E TWENTY-FIFTH AVE. (ROUTED)	
1	4	EXISTING	EXISTING COMMUNICATION NODE# 270023.6: I-270 AT SR-315 (ROUTED)	
1	**5**	**REVISED**	**PROPOSED COMMUNICATION NODE# 071117.6: DUBLIN GRANVILLE RD. AT I-71 (ROUTED)**	**707**
1	6	EXISTING	EXISTING COMMUNICATION NODE# 270027.7: CLEVELAND AVE. AT I-270 (ROUTED)	
1	7	EXISTING	TMC COMMUNICATION HUB: 1881 E TWENTY-FIFTH AVE. (ROUTED)	
1	**8**	**REVISED**	**EXISTING COMMUNICATION NODE# 071116.2: I-71 AT MORSE RD. (ROUTED)**	**709**
1	9	EXISTING	EXISTING COMMUNICATION NODE# 071121.4: POLARIS PKWY AT I-71 (ROUTED)	

1-6, 1-5, 1-4, 2-26, 2-27, 2-28, 1-8, 1-9, 1-7, 2-25, 1-2

24 STRAND LC PATCH PANEL

24SMF DROP CABLE

24 STRAND LC PATCH PANEL

SWITCH	PORT	STATUS	DESTINATION	SHEET NO
2	25	EXISTING	EXISTING COMMUNICATION NODE# 270019.8: I-270 AT SAWMILL RD. (ROUTED)	691
2	**26**	**REVISED**	**EXISTING COMMUNICATION NODE# 315008.6: BETHEL RD. AT SR-315 (ROUTED)**	**695**
2	27	EXISTING	EXISTING COMMUNICATION NODE# 071116.2: I-71 AT MORSE RD. (ROUTED)	
2	28	EXISTING	EXISTING COMMUNICATION NODE# 270027.7: CLEVELAND AVE. AT I-270 (ROUTED)	

EXISTING LAYER 3 ETHERNET SWITCH - #2 (CVE)

Copper Ports 1 2 3 4 5 6 7 8 9 10 11 12

SFP Ports 13 14 15 16 17 18 19 20 21 22 23 24

25 ZX (T R) | 26 ZX (T R) | 27 LH (T R) | 28 LH (T R)

EXISTING 144 STRAND DROP CABLE (BACKBONE - NODE 270027.7)

1-6, 2-28 → CTSS 144 STRAND LC PATCH PANEL → EAST: BLUE TUBE / RED TUBE

SEE 3378-E CTSS PHASE E FOR INITIAL SPLICING PLAN OF DROP CABLE

EXISTING 144 STRAND DROP CABLE (BACKBONE - NODE 071117.6 SEE SHEET 707)

1-5, 1-8, 2-27 → CTSS 144 STRAND LC PATCH PANEL → SOUTH: BLUE TUBE / RED TUBE

SEE 3378-E CTSS PHASE E FOR INITIAL SPLICING PLAN OF DROP CABLE

ODOT NODE: 1-7, 1-2

EXISTING 144 STRAND DROP CABLE (BACKBONE - NODE 270023.6)

1-4, 2-26, 2-25 → CTSS 144 STRAND LC PATCH PANEL → WEST: BLUE TUBE / RED TUBE

SEE 3378-E CTSS PHASE E FOR INITIAL SPLICING PLAN OF DROP CABLE

EXISTING 144 STRAND DROP CABLE (BACKBONE - NODE 071121.4)

1-9 → CTSS 4RU PATCH PANEL → NORTH: BLUE TUBE / RED TUBE

SEE 3378-E CTSS PHASE E FOR INITIAL SPLICING PLAN OF DROP CABLE

LEGEND

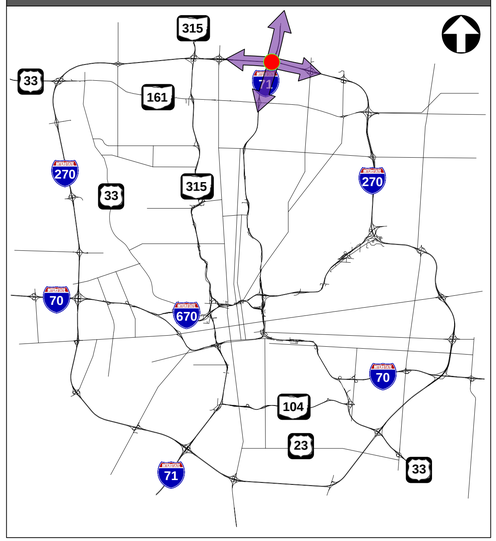
EQUIPMENT CABLE
- FIBER PATCH CABLES Tx/Tx
- FIBER PATCH CABLES Tx/Rx CROSSOVER
- EXISTING FIBER PATCH CABLES
- CAT 5E CABLE
- OUTDOOR CAT 5E CABLE

INTERCONNECT CABLE
- 288 STRAND SMF CABLE
- 144 STRAND SMF CABLE
- COLUMBUS FIBERNET SMF CABLE
- CITYNET SMF CABLE
- D.O.T. SMF CABLE

FIBER SPLICING (DARK/LIGHT – PROPOSED/EXISTING)
- FUSION SPLICE – 12 FIBER BUFFER TUBE
- FUSION SPLICE – PARTIAL BUFFER TUBE
- FUSION SPLICE – SINGLE FIBER
- COILED FIBER OR BUFFER TUBE
- # - # SWITCH # - PORT #

EQUIPMENT AND TERMINATION CABINET
- LH / ZX GBIC OPTICAL TRANSCEIVER — LH - SHORT HAUL; ZX – LONG HAUL
- 8P8C CONNECTOR
- EMPTY SFP MODULE BAY
- LC TERMINATION – SINGLE FIBER
- TERMINATION PANEL — UPC (Blue)/APC (Green)
- WIRELESS ETHERNET RADIO

KEY PLAN



NOTES

INACTIVE FIBERS, AND PATCH PANEL CONNECTIONS ARE NOT SHOWN ON THIS SHEET FOR CLARITY.

COMMUNICATION NODE FIBER TERMINATION CABINET (#1)

COMMUNICATION NODE 270025.9

REFER TO SHEET 456 FOR COMM OVERVIEW DETAILS

CIP: 540007 – 100012
PID NUMBER: 99733

EXISTING COMMUNICATION NODE# 270025.9: I-270 AT I-71
COMMUNICATIONS DIAGRAM

CITY OF COLUMBUS TRAFFIC SIGNAL SYSTEM
(CTSS) PHASE F – FINAL SUBMITTAL

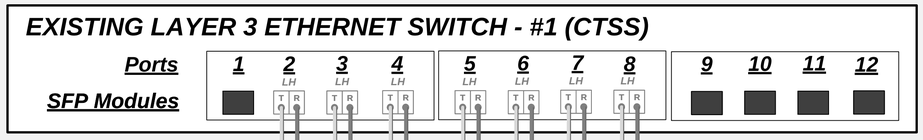
694
768

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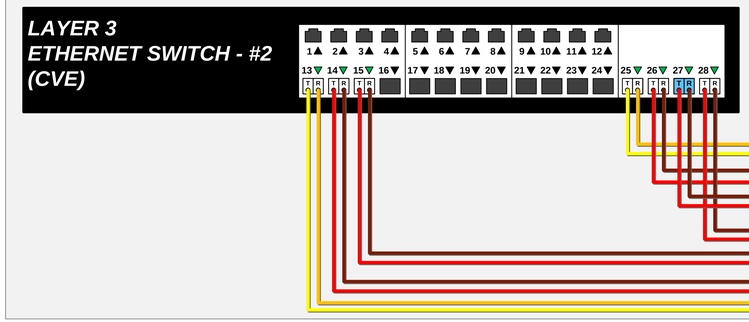
COMMUNICATION NODE EQUIPMENT CABINET (#2)

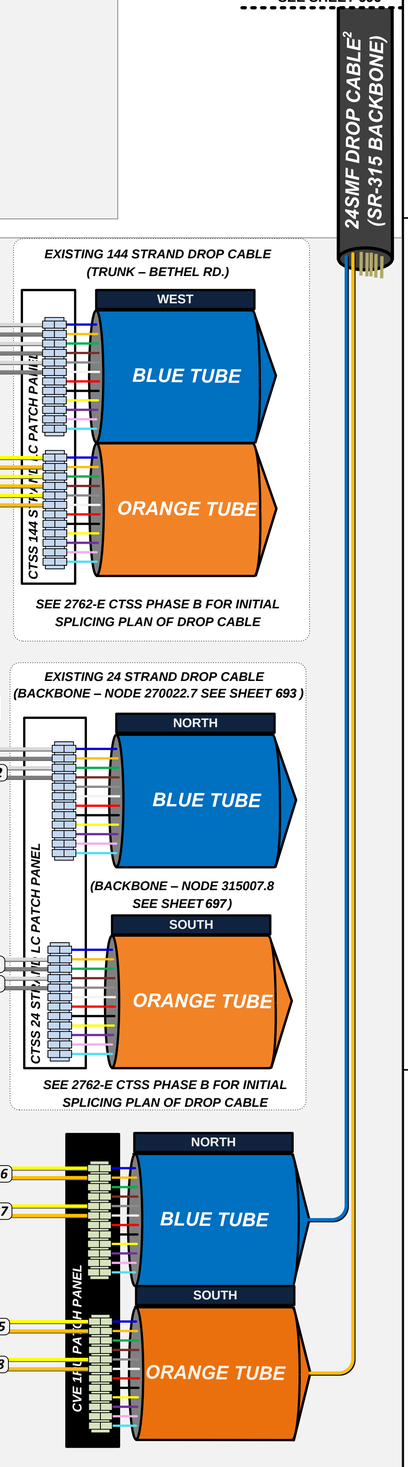
EXISTING LAYER 3 ETHERNET SWITCH - #1 (CTSS)



SWITCH	PORT	STATUS	DESTINATION	SHEET NO
1	2	EXISTING	EXISTING COMMUNICATION NODE# 270019.8: I-270 AT SAWMILL RD. (TRUNK)	691
1	3	EXISTING	EXISTING COMMUNICATION NODE# 315007.8: HENDERSON RD. AT SR-315 (TRUNK)	697
1	4	EXISTING	EXISTING COMMUNICATION NODE# 270022.7: I-270 AT SR-315 (ROUTED)	693
1	5	EXISTING	EXISTING COMMUNICATION NODE# 315007.8: HENDERSON RD. AT SR-315 (ROUTED)	697
1	6	EXISTING	INT# 4118: BETHEL RD. AT OLENTANGY RIVER RD.	508
1	7	EXISTING	INT# 4125: BETHEL RD. AT SAWMILL RD.	484
1	8	EXISTING	INT# 4167: FRANCISCO RD. AT HENDERSON RD.	503

SWITCH	PORT	STATUS	DESTINATION	SHEET NO
2	13	PROPOSED	INT# 4118: BETHEL RD. AT OLENTANGY RIVER RD.	508
2	14	PROPOSED	INT# 4167: FRANCISCO RD. AT HENDERSON RD.	503
2	15	PROPOSED	INT# 4125: BETHEL RD. AT SAWMILL RD.	484
2	25	PROPOSED	EXISTING COMMUNICATION NODE# 315007.8: HENDERSON RD. AT SR-315 (ROUTED)	697
2	26	PROPOSED	EXISTING COMMUNICATION NODE# 270025.9: I-270 AT I-71 (ROUTED)	694
2	27	PROPOSED	EXISTING COMMUNICATION NODE# 270019.8: I-270 AT SAWMILL RD. (TRUNK)	691
2	28	PROPOSED	EXISTING COMMUNICATION NODE# 315007.8: HENDERSON RD. AT SR-315 (TRUNK)	697





LEGEND

EQUIPMENT CABLE

- FIBER PATCH CABLES Tx/Tx
- FIBER PATCH CABLES Tx/Rx CROSSOVER
- EXISTING FIBER PATCH CABLES
- CAT 5E CABLE
- OUTDOOR CAT 5E CABLE

INTERCONNECT CABLE

- 288 STRAND SMF CABLE
- 144 STRAND SMF CABLE
- COLUMBUS FIBERNET SMF CABLE
- CITYNET SMF CABLE
- D.O.T. SMF CABLE

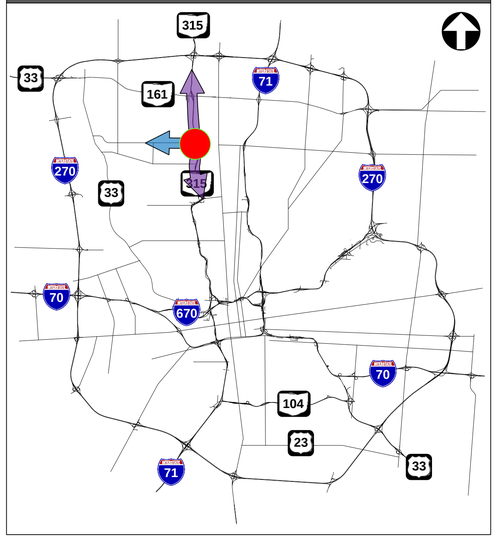
FIBER SPLICING (DARK/LIGHT – PROPOSED/EXISTING)

- FUSION SPLICE – 12 FIBER BUFFER TUBE
- FUSION SPLICE – PARTIAL BUFFER TUBE
- FUSION SPLICE – SINGLE FIBER
- COILED FIBER OR BUFFER TUBE
- # - # SWITCH # - PORT #

EQUIPMENT AND TERMINATION CABINET

- LH ZX GBIC OPTICAL TRANSCEIVER LH - SHORT HAUL ZX – LONG HAUL
- 8P8C CONNECTOR
- EMPTY SFP MODULE BAY
- LC TERMINATION – SINGLE FIBER
- TERMINATION PANEL UPC (Blue)/APC (Green)
- WIRELESS ETHERNET RADIO

KEY PLAN



NOTES

[1] PRE-TERMINATED 24SMF CABLE INSTALLED IN 4" CONDUIT CONNECTING CABINETS.

[2] PATCH PANEL DROP CABLES SHALL BE FACTORY PRE-TERMINATED AND OF SUFFICIENT LENGTH TO REACH ADJACENT UNDERGROUND OR OVERHEAD SPLICE ENCLOSURE LOCATION.

INACTIVE FIBERS, AND PATCH PANEL CONNECTIONS ARE NOT SHOWN ON THIS SHEET FOR CLARITY.

COMMUNICATION NODE 315008.6

REFER TO SHEET 394 FOR CONSTRUCTION PLAN DETAILS
REFER TO SHEET 456 FOR COMM OVERVIEW DETAILS

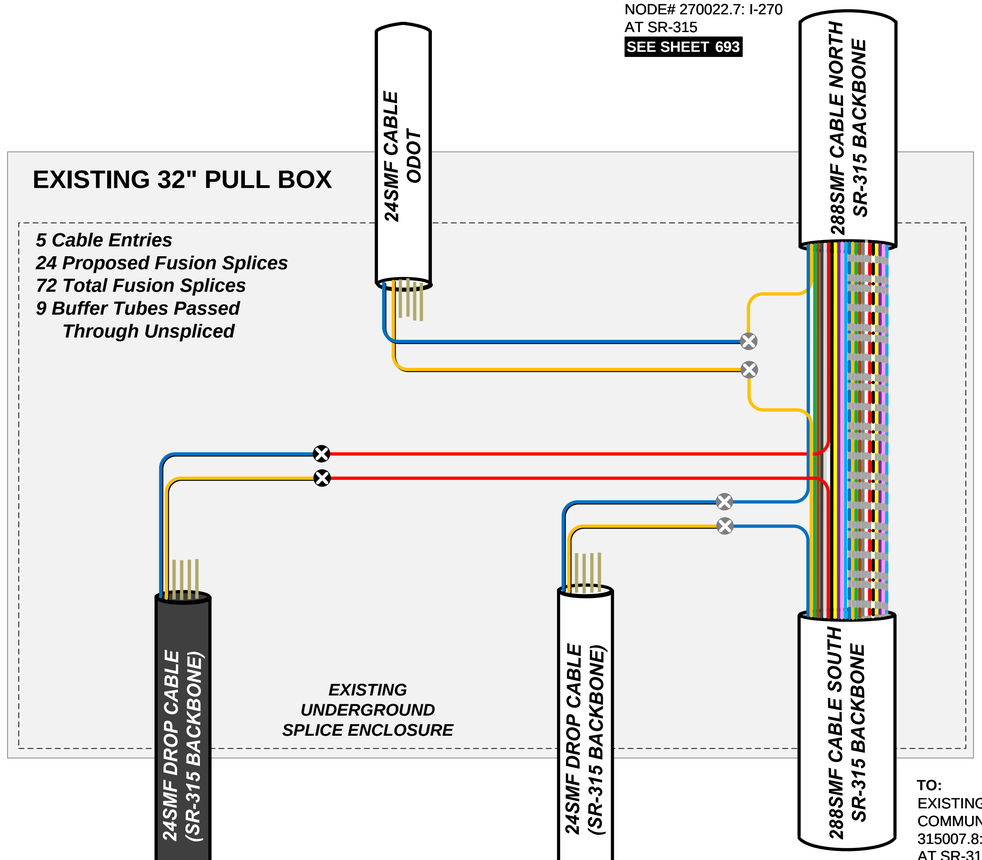
CIP: 540007 – 100012
PID NUMBER: 99733

EXISTING COMMUNICATION NODE# 315008.6: BETHEL RD. AT SR-315
COMMUNICATIONS DIAGRAM

CITY OF COLUMBUS TRAFFIC SIGNAL SYSTEM
(CTSS) PHASE F – FINAL SUBMITTAL

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TO:
EXISTING
COMMUNICATION
NODE# 270022.7: I-270
AT SR-315
SEE SHEET 693



TO:
EXISTING
COMMUNICATION NODE#
315007.8: HENDERSON RD.
AT SR-315
SEE SHEET 697

MATCHLINE A - SEE SHEET 695

BREAKLINE TO FIBER TERMINATION CABINET (#1) AT NODE # 315008.6: BETHEL RD. AT SR-315

LEGEND

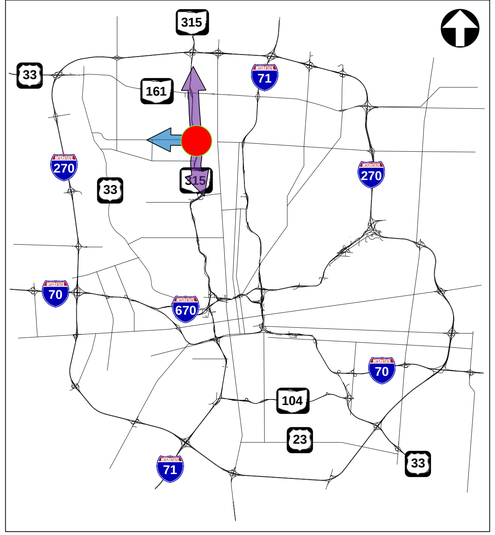
EQUIPMENT CABLE
- FIBER PATCH CABLES Tx/Tx
- FIBER PATCH CABLES Tx/Rx CROSSOVER
- EXISTING FIBER PATCH CABLES
- CAT 5E CABLE
- OUTDOOR CAT 5E CABLE

INTERCONNECT CABLE
- 288 STRAND SMF CABLE
- 144 STRAND SMF CABLE
- COLUMBUS FIBERNET SMF CABLE
- CITYNET SMF CABLE
- D.O.T. SMF CABLE

FIBER SPLICING (DARK/LIGHT – PROPOSED/EXISTING)
- FUSION SPLICE – 12 FIBER BUFFER TUBE
- FUSION SPLICE – PARTIAL BUFFER TUBE
- FUSION SPLICE – SINGLE FIBER
- COILED FIBER OR BUFFER TUBE
- # - # SWITCH # - PORT #

EQUIPMENT AND TERMINATION CABINET
- LH / ZX GBIC OPTICAL TRANSCEIVER LH - SHORT HAUL ZX – LONG HAUL
- 8P8C CONNECTOR
- EMPTY SFP MODULE BAY
- LC TERMINATION – SINGLE FIBER
- TERMINATION PANEL UPC (Blue)/APC (Green)
- WIRELESS ETHERNET RADIO

KEY PLAN



NOTES

EXISTING SPLICE ENCLOSURE, 144 STRAND CABLE AND 24 DROP CABLES ARE NOT SHOW IN THIS SHEET FOR CLARITY. THOSE CABLES WILL NOT USED TO PERFORM ANY PROPOSED WORK SHOWN ABOVE.

COMMUNICATION NODE 315008.6

REFER TO SHEET 394 FOR CONSTRUCTION PLAN DETAILS
REFER TO SHEET 456 FOR COMM OVERVIEW DETAILS

CIP: 540007 – 100012
PID NUMBER: 99733

EXISTING COMMUNICATION NODE# 315008.6: BETHEL RD. AT SR-315
FIBER OPTIC SPLICING DIAGRAM

CITY OF COLUMBUS TRAFFIC SIGNAL SYSTEM
(CTSS) PHASE F – FINAL SUBMITTAL

COMMUNICATION NODE EQUIPMENT CABINET (#2)

SWITCH	PORT	STATUS	DESTINATION	SHEET NO
1	4	EXISTING	INT# 4108: HENDERSON RD. AT OLENTANGY BLVD.	523
1	5	EXISTING	EXISTING COMMUNICATION NODE# 315006.2: NORTH BROADWAY AT SR-315 (ROUTED)	699
1	6	EXISTING	EXISTING COMMUNICATION NODE# 315008.6: BETHEL RD. AT SR-315 (ROUTED)	695
1	8	EXISTING	EXISTING COMMUNICATION NODE# 315008.6: BETHEL RD. AT SR-315 (TRUNK)	695
1	12	EXISTING	EXISTING COMMUNICATION NODE# 315006.2: NORTH BROADWAY AT SR-315 (TRUNK)	699

SWITCH	PORT	STATUS	DESTINATION	SHEET NO
2	2	PROPOSED	INT# 4109: HENDERSON RD. AT SR-315 NB RAMPS	522
2	24	PROPOSED	INT# 4110: HENDERSON RD. AT OLENTANGY RIVER RD.	520
2	25	PROPOSED	EXISTING COMMUNICATION NODE# 315008.6: BETHEL RD. AT SR-315 (ROUTED)	695
2	26	PROPOSED	EXISTING COMMUNICATION NODE# 315006.2: NORTH BROADWAY AT SR-315 (ROUTED)	699
2	27	PROPOSED	EXISTING COMMUNICATION NODE# 315008.6: BETHEL RD. AT SR-315 (TRUNK)	695

MATCHLINE A - SEE SHEET 698

TO INT# 4109: HENDERSON RD. AT SR-315 NB RAMPS SEE SHEET 522

LAYER 3 ETHERNET SWITCH - #1 (CTSS)

LAYER 3 ETHERNET SWITCH - #2 (CVE)

TO INT# 4109: HENDERSON RD. AT SR-315 NB RAMPS SEE SHEET 522

24SMF DROP CABLE[2] (SR-315 BACKBONE)

24SMF DROP CABLE

24SMF DROP CABLE[1]

24 STRAND LC PATCH PANEL

CVE 1RU PATCH PANEL

EXISTING 144 STRAND DROP CABLE (TRUNK – HENDERSON RD.)

WEST
BLUE TUBE
ORANGE TUBE
EAST
RED TUBE
BLACK TUBE

CTSS 144 STRAND LC PATCH PANEL

SEE 2762-E CTSS PHASE B FOR INITIAL SPLICING PLAN OF DROP CABLE

EXISTING 24 STRAND DROP CABLE (BACKBONE – NODE 315008.6 SEE SHEET 695)

NORTH
BLUE TUBE
SOUTH
ORANGE TUBE

(BACKBONE – NODE 315006.2 SEE SHEET 699)

CTSS 24 STRAND LC PATCH PANEL

SEE 2762-E CTSS PHASE B FOR INITIAL SPLICING PLAN OF DROP CABLE

LEGEND

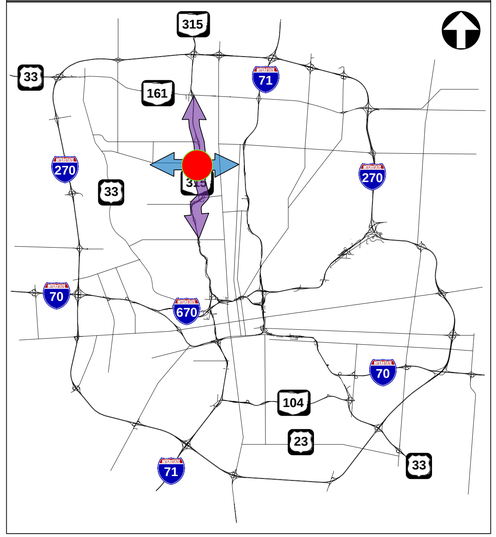
EQUIPMENT CABLE
- FIBER PATCH CABLES Tx/Tx
- FIBER PATCH CABLES Tx/Rx CROSSOVER
- EXISTING FIBER PATCH CABLES
- CAT 5E CABLE
- OUTDOOR CAT 5E CABLE

INTERCONNECT CABLE
- 288 STRAND SMF CABLE
- 144 STRAND SMF CABLE
- COLUMBUS FIBERNET SMF CABLE
- CITYNET SMF CABLE
- D.O.T. SMF CABLE

FIBER SPLICING (DARK/LIGHT – PROPOSED/EXISTING)
- FUSION SPLICE – 12 FIBER BUFFER TUBE
- FUSION SPLICE – PARTIAL BUFFER TUBE
- FUSION SPLICE – SINGLE FIBER
- COILED FIBER OR BUFFER TUBE
- # - # SWITCH # - PORT #

EQUIPMENT AND TERMINATION CABINET
- LH / ZX GBIC OPTICAL TRANSCEIVER — LH - SHORT HAUL, ZX – LONG HAUL
- 8P8C CONNECTOR
- EMPTY SFP MODULE BAY
- LC TERMINATION – SINGLE FIBER
- TERMINATION PANEL UPC (Blue)/APC (Green)
- WIRELESS ETHERNET RADIO

KEY PLAN



NOTES

[1] PRE-TERMINATED 24SMF CABLE INSTALLED IN 4" CONDUIT CONNECTING CABINETS.

[2] PATCH PANEL DROP CABLES SHALL BE FACTORY PRE-TERMINATED AND OF SUFFICIENT LENGTH TO REACH ADJACENT UNDERGROUND OR OVERHEAD SPLICE ENCLOSURE LOCATION.

INACTIVE FIBERS, AND PATCH PANEL CONNECTIONS ARE NOT SHOWN ON THIS SHEET FOR CLARITY.

COMMUNICATION NODE FIBER TERMINATION CABINET (#1)

7 DRAFT REVISION 7.0

COMMUNICATION NODE 315007.8

REFER TO SHEET 396 FOR CONSTRUCTION PLAN DETAILS
REFER TO SHEET 456 FOR COMM OVERVIEW DETAILS

CIP: 540007 – 100012
PID NUMBER: 99733

EXISTING COMMUNICATION NODE# 315007.8: HENDERSON RD. AT SR-315
COMMUNICATIONS DIAGRAM

CITY OF COLUMBUS TRAFFIC SIGNAL SYSTEM
(CTSS) PHASE F – FINAL SUBMITTAL

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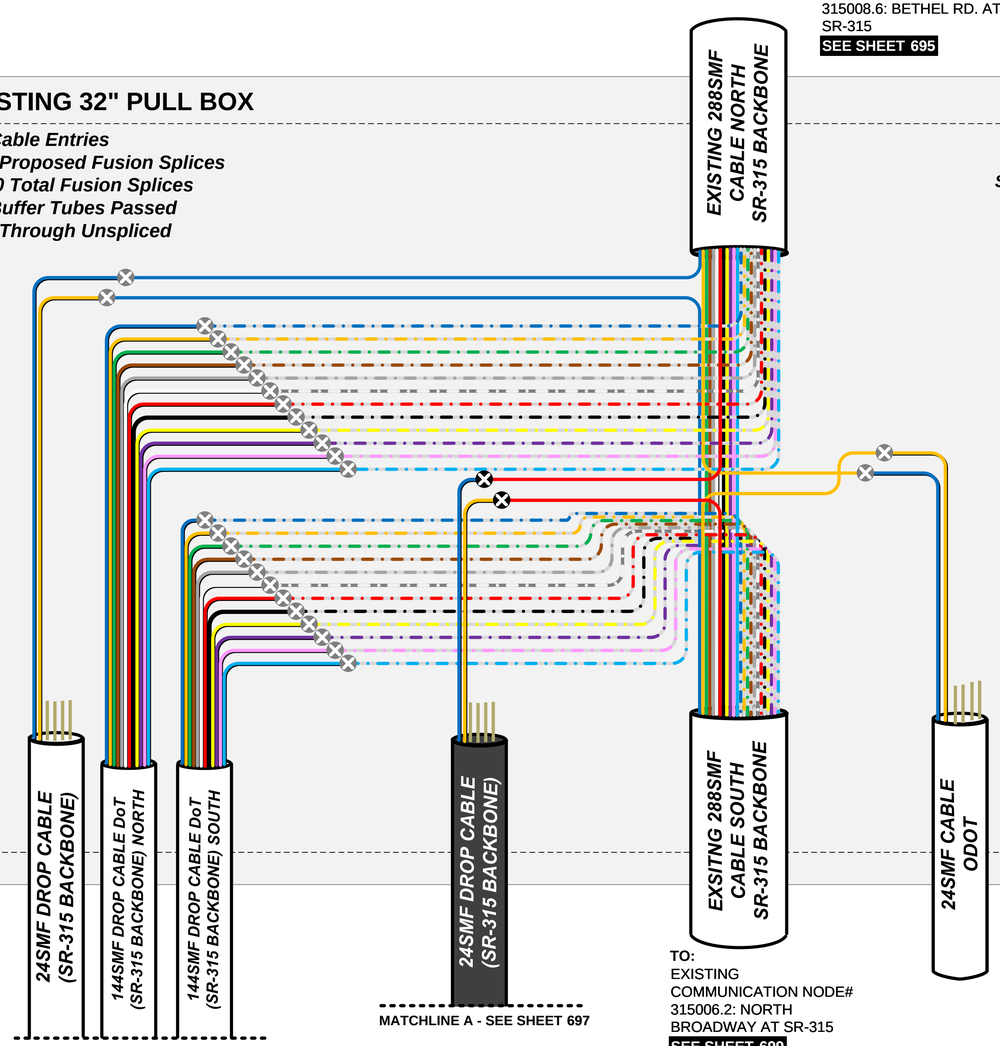
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TO:
EXISTING
COMMUNICATION NODE#
315008.6: BETHEL RD. AT
SR-315
SEE SHEET 695

EXISTING 32" PULL BOX

7 Cable Entries
24 Proposed Fusion Splices
360 Total Fusion Splices
9 Buffer Tubes Passed Through Unspliced

EXISTING UNDERGROUND SPLICE ENCLOSURE



BREAKLINE TO FIBER TERMINATION CABINET (#1) AT NODE # 315007.8: SR-315 AND HENDERSON RD.

MATCHLINE A - SEE SHEET 697

TO:
EXISTING
COMMUNICATION NODE#
315006.2: NORTH
BROADWAY AT SR-315
SEE SHEET 699

LEGEND

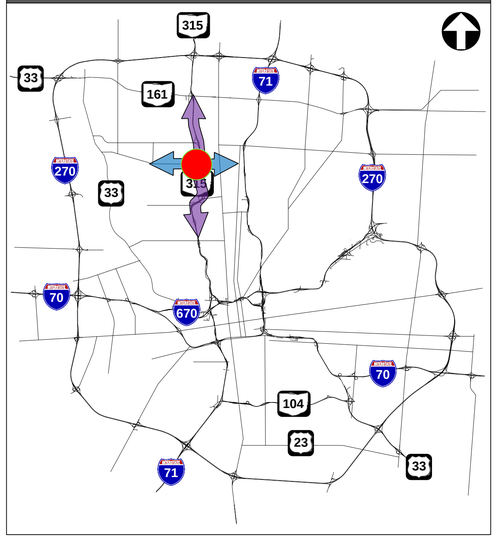
EQUIPMENT CABLE
- FIBER PATCH CABLES Tx/Tx
- FIBER PATCH CABLES Tx/Rx CROSSOVER
- EXISTING FIBER PATCH CABLES
- CAT 5E CABLE
- OUTDOOR CAT 5E CABLE

INTERCONNECT CABLE
- 288 STRAND SMF CABLE
- 144 STRAND SMF CABLE
- COLUMBUS FIBERNET SMF CABLE
- CITYNET SMF CABLE
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FIBER SPLICING (DARK/LIGHT – PROPOSED/EXISTING)
- FUSION SPLICE – 12 FIBER BUFFER TUBE
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- FUSION SPLICE – SINGLE FIBER
- COILED FIBER OR BUFFER TUBE
- # - # SWITCH # - PORT #

EQUIPMENT AND TERMINATION CABINET
- LH ZX — GBIC OPTICAL TRANSCEIVER, LH - SHORT HAUL, ZX – LONG HAUL
- 8P8C CONNECTOR
- EMPTY SFP MODULE BAY
- LC TERMINATION – SINGLE FIBER
- TERMINATION PANEL UPC (Blue)/APC (Green)
- WIRELESS ETHERNET RADIO

KEY PLAN



NOTES

EXISTING SPLICE ENCLOSURE, 144 STRAND CABLE AND 24 DROP CABLES ARE NOT SHOW IN THIS SHEET FOR CLARITY. THOSE CABLES WILL NOT USED TO PERFORM ANY PROPOSED WORK SHOWN ABOVE.

COMMUNICATION NODE 315007.8
REFER TO SHEET 396 FOR CONSTRUCTION PLAN DETAILS
REFER TO SHEET 454 FOR COMM OVERVIEW DETAILS

CIP: 540007 – 100012
PID NUMBER: 99733

EXISTING COMMUNICATION NODE# 315007.8: HENDERSON RD. AT SR-315
FIBER OPTIC CABLE SPLICING DIAGRAM

CITY OF COLUMBUS TRAFFIC SIGNAL SYSTEM
(CTSS) PHASE F – FINAL SUBMITTAL

COMMUNICATION NODE EQUIPMENT CABINET (#2)

SWITCH	PORT	STATUS	DESTINATION	SHEET NO
1	15	EXISTING	INT# 4063: NORTH BROADWAY AT SR-315 NB RAMPS	
1	16	EXISTING	INT# 4037: HIGH ST. AT OAKLAND PARK	
1	17	EXISTING	INT# 4036: HIGH ST. AT NORTH BROADWAY	
1	18	EXISTING	INT# 4059: OLENTANGY RIVER RD AT SR-315 NB RAMPS	
1	19	EXISTING	INT# 4060: OLENTANGY RIVER RD AT NORTH BROADWAY	
1	24	EXISTING	EXISTING COMMUNCATION NODE# 315004.4: LANE AVE. AT SR-315 (TRUNK)	
1	25	EXISTING	EXISTING COMMUNCATION NODE# 315005.2: ACKERMAN RD. AT SR-315 (ROUTED)	
1	26	EXISTING	EXISTING COMMUNCATION NODE# 315005.2: ACKERMAN RD. AT SR-315 (TRUNK)	
1	27	EXISTING	EXISTING COMMUNICATION NODE# 315007.8: HENDERSON RD. AT SR-315 (ROUTED)	697
1	28	EXISTING	EXISTING COMMUNICATION NODE# 315007.8: HENDERSON RD. AT SR-315 (TRUNK)	697
SWITCH	**PORT**	**STATUS**	**DESTINATION**	**SHEET NO**
2	13	EXISTING	INT# 4037: HIGH ST. AT OAKLAND PARK	
2	14	EXISTING	INT# 4036: HIGH ST. AT NORTH BROADWAY	
2	**25**	**REVISED**	**EXISTING COMMUNICATION NODE# 315007.8: HENDERSON RD. AT SR-315 (ROUTED)**	**697**
2	26	EXISTING	EXISTING COMMUNICATION NODE# 071116.2: I-71 AT MORSE RD. (TRUNK)	
2	27	EXISTING	EXISTING COMMUNCATION NODE# 315004.4: LANE AVE. AT SR-315 (ROUTED)	
2	28	EXISTING	EXISTING COMMUNCATION NODE# 315004.4: LANE AVE. AT SR-315 (TRUNK)	

TO: CONTROL EQUIPMENT MONITOR

LAYER 3 ETHERNET SWITCH - #1 (CTSS)

LAYER 3 ETHERNET SWITCH - #2 (CVE)

1-25 1-26 1-27 1-28 1-19 1-18 1-15 1-16 1-17 1-24

24 STRAND LC PATCH PANEL

24SMF DROP CABLE

2-13 2-14 2-25 2-26 2-27 2-28

24 STRAND LC PATCH PANEL

24SMF DROP CABLE

SEE 1844-A SCC-CONNECTED VEHICLE ENVIROMENT FOR NODE CABINET (#2) AND INITIAL SPLICNG PLAN

LEGEND

EQUIPMENT CABLE

- FIBER PATCH CABLES Tx/Tx
- FIBER PATCH CABLES Tx/Rx CROSSOVER
- EXISTING FIBER PATCH CABLES
- CAT 5E CABLE
- OUTDOOR CAT 5E CABLE

INTERCONNECT CABLE

- 288 STRAND SMF CABLE
- 144 STRAND SMF CABLE
- COLUMBUS FIBERNET SMF CABLE
- CITYNET SMF CABLE
- D.O.T. SMF CABLE

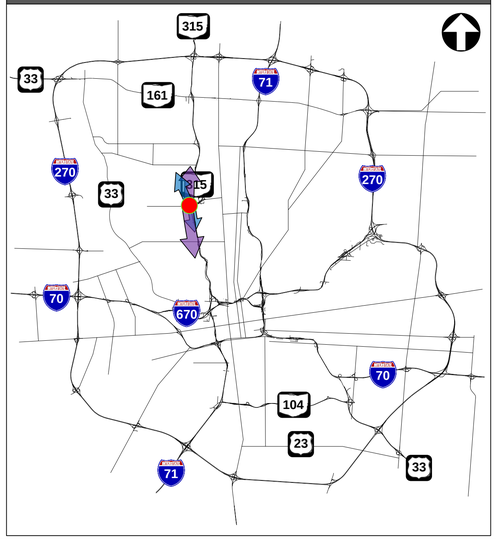
FIBER SPLICING (DARK/LIGHT – PROPOSED/EXISTING)

- FUSION SPLICE – 12 FIBER BUFFER TUBE
- FUSION SPLICE – PARTIAL BUFFER TUBE
- FUSION SPLICE – SINGLE FIBER
- COILED FIBER OR BUFFER TUBE
- # - # SWITCH # - PORT #

EQUIPMENT AND TERMINATION CABINET

- LH / ZX GBIC OPTICAL TRANSCEIVER
  LH - SHORT HAUL
  ZX – LONG HAUL
- 8P8C CONNECTOR
- EMPTY SFP MODULE BAY
- LC TERMINATION – SINGLE FIBER
- TERMINATION PANEL UPC (Blue)/APC (Green)
- WIRELESS ETHERNET RADIO

KEY PLAN



NOTES

1. NO NEW SPLICING OR PATCHING AT THIS COMMUNICATION NODE SITE. SHEET UPDATED TO REFLECT REVISED PORT DESTINATIONS.

COMMUNICATION NODE 315006.2

REFER TO SHEET 456 FOR COMM OVERVIEW DETAILS

CIP: 540007 – 100012
PID NUMBER: 99733

EXISTING COMMUNICATION NODE# 315006.2: NORTH BROADWAY AT SR-315
COMMUNICATIONS DIAGRAM

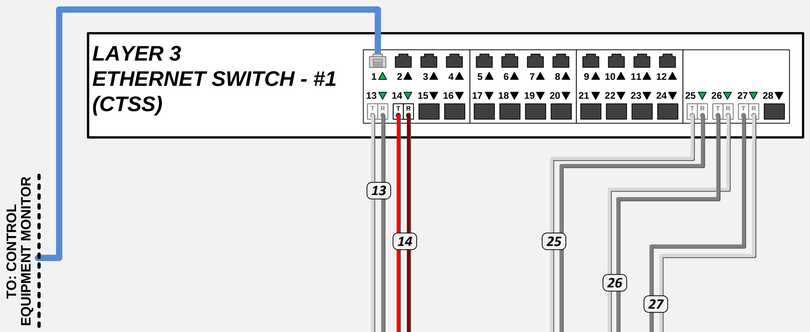
CITY OF COLUMBUS TRAFFIC SIGNAL SYSTEM
(CTSS) PHASE F – FINAL SUBMITTAL

699
768

\\colw00\pmwork\Jobs\70202 - CTSS Phase F\TECHPROD\Communications\Nodes\Phase F comm nodes.vsd - 315006.2 layout - last saved by: Sai Geetha Koganti 6/1/2022 7:48:18 AM – printed: 6/1/2022 7:48:18 AM

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EXISTING COMMUNICATION NODE EQUIPMENT CABINET (#2)



SWITCH	PORT	STATUS	DESTINATION	SHEET NO
1	13	EXISTING	INT# 2069: HIGH ST. AT OBETZ RD.	
1	**14**	**PROPOSED**	**INT# 2182: HIGH ST. AT RATHMELL RD.**	**536**
1	25	EXISTING	EXISTING COMMUNCATION NODE# 270049.0: ALUM CREEK DR. AT I-270 (ROUTED)	
1	26	EXISTING	EXISTING COMMUNICATION NODE# 270055.0: I-270 AT I-71 (ROUTED)	740
1	27	EXISTING	EXISTING COMMUNICATION NODE# 104091.0: HIGH ST. AT SR-104 (TRUNK)	

LEGEND

EQUIPMENT CABLE

- FIBER PATCH CABLES Tx/Tx
- FIBER PATCH CABLES Tx/Rx CROSSOVER
- EXISTING FIBER PATCH CABLES
- CAT 5E CABLE
- OUTDOOR CAT 5E CABLE

INTERCONNECT CABLE

- 288 STRAND SMF CABLE
- 144 STRAND SMF CABLE
- COLUMBUS FIBERNET SMF CABLE
- CITYNET SMF CABLE
- D.O.T. SMF CABLE

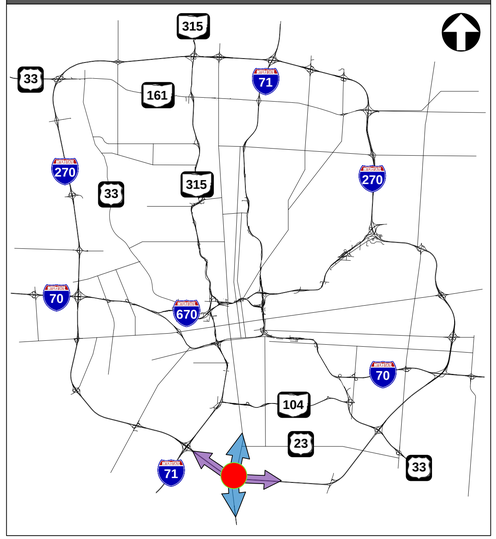
FIBER SPLICING (DARK/LIGHT – PROPOSED/EXISTING)

- FUSION SPLICE – 12 FIBER BUFFER TUBE
- FUSION SPLICE – PARTIAL BUFFER TUBE
- FUSION SPLICE – SINGLE FIBER
- COILED FIBER OR BUFFER TUBE
- # - # SWITCH # - PORT #

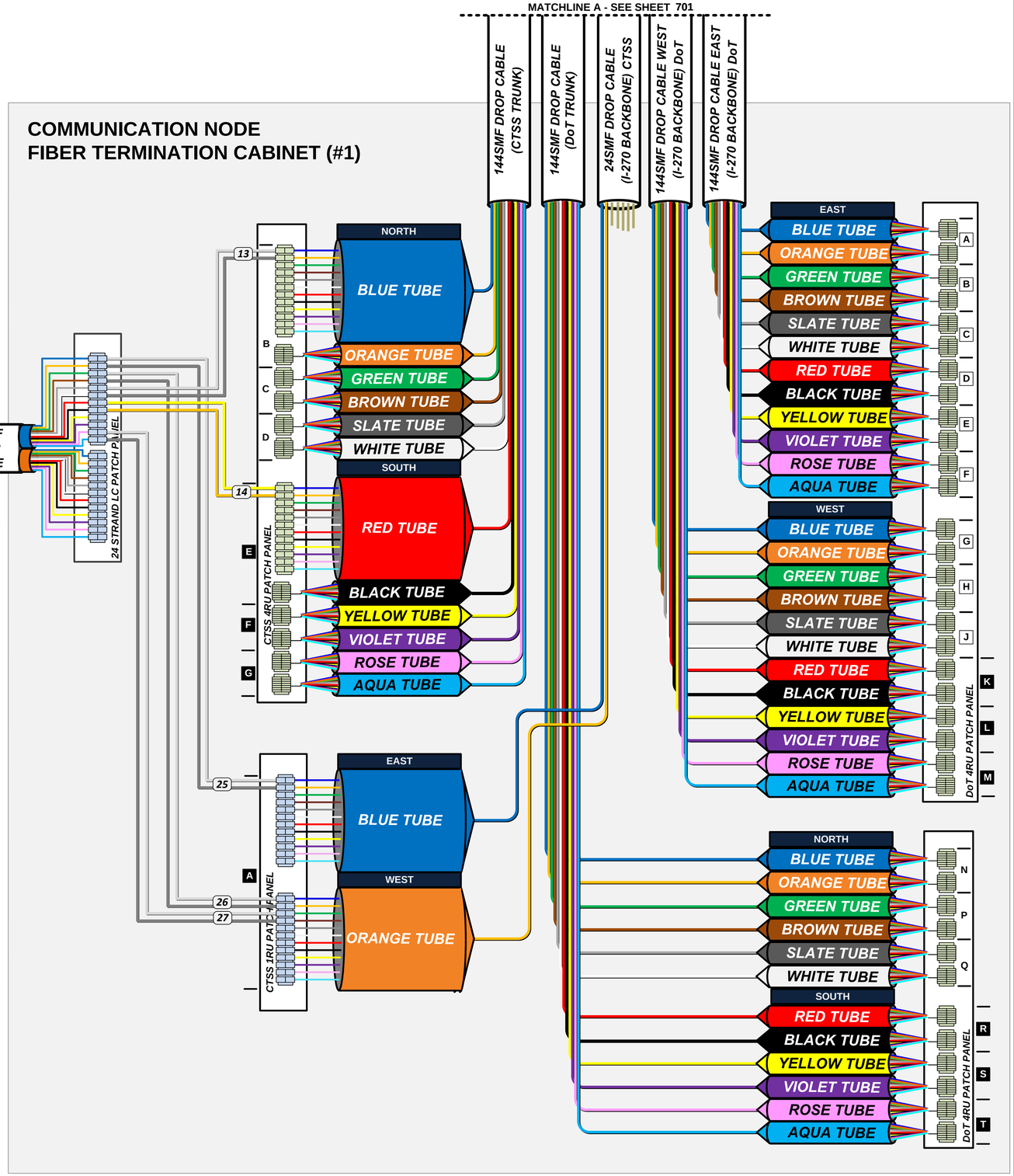
EQUIPMENT AND TERMINATION CABINET

- LH / ZX GBIC OPTICAL TRANSCEIVER
  LH - SHORT HAUL
  ZX – LONG HAUL
- 8P8C CONNECTOR
- EMPTY SFP MODULE BAY
- LC TERMINATION – SINGLE FIBER
- TERMINATION PANEL
  UPC (Blue)/APC (Green)
- WIRELESS ETHERNET RADIO

KEY PLAN



COMMUNICATION NODE FIBER TERMINATION CABINET (#1)



COMMUNICATION NODE 270052.7

REFER TO SHEET 305 FOR CONSTRUCTION PLAN DETAILS
REFER TO SHEET 458 FOR COMM OVERVIEW DETAILS

CIP: 540007 – 100012
PID NUMBER: 99733

EXISTING COMMUNICATION NODE# 270052.7: HIGH ST. AT I-270
COMMUNICATIONS DIAGRAM

CITY OF COLUMBUS TRAFFIC SIGNAL SYSTEM
(CTSS) PHASE F – FINAL SUBMITTAL

\\colw00\pmworkJobs\70202 - CTSS Phase F\TECHPROD\Communications\Nodes\Phase F comm nodes.vsd - 270052.7-2 layout - last saved by: Sai Geetha Koganti 6/1/2022 7:48:18 AM - printed: 6/1/2022 7:48:18 AM

EXISTING 48" PULL BOX

144SMF CABLE NORTH HIGH ST TRUNK

TO:
INT# 2069: HIGH ST. AT OBETZ RD.

TO:
EXISTING COMMUNICATION NODE# 270055.0: I-270 AT I-71
SEE SHEET 740

288SMF CABLE WEST I-270 BACKBONE

288SMF CABLE EAST I-270 BACKBONE

TO:
EXISTING COMMUNICATION NODE# 270049.0: ALUM CREEK DR. AT I-270
SEE SHEET 744

5 Cable Entries
144 Proposed Fusion Splices
288 Total Fusion Splices
3 Coiled Buffer Tubes

1-6 7-12
1-6 7-12
1-6 7-12
1-6 7-12

24SMF CABLE ODOT

EXISTING UNDERGROUND SPLICE ENCLOSURE

144SMF CABLE SOUTH HIGH ST TRUNK

144SMF DROP CABLE (CTSS Trunk)

144SMF DROP CABLE (DoT Trunk)

24SMF CABLE I-270 BACKBONE (CTSS)

144SMF DROP CABLE WEST I-270 BACKBONE (DoT)

144SMF DROP CABLE EAST I-270 BACKBONE (DoT)

EXISTING UNDERGROUND SPLICE ENCLOSURE

24SMF CABLE ODOT

TO:
INT# 2182: HIGH ST. AT RATHMELL RD.
SEE SHEET 536

MATCHLINE A - SEE SHEET 700

LEGEND

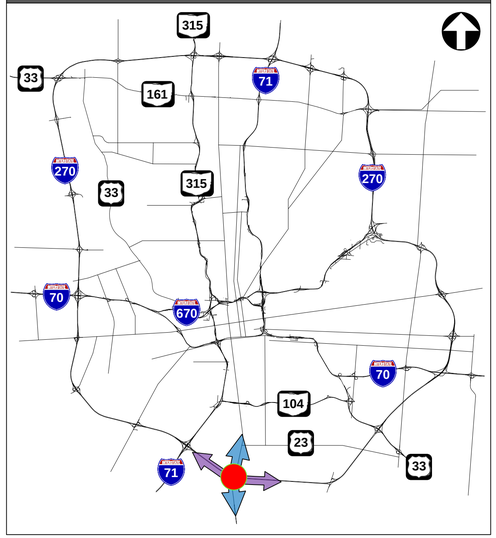
EQUIPMENT CABLE
- FIBER PATCH CABLES Tx/Tx
- FIBER PATCH CABLES Tx/Rx CROSSOVER
- EXISTING FIBER PATCH CABLES
- CAT 5E CABLE
- OUTDOOR CAT 5E CABLE

INTERCONNECT CABLE
- 288 STRAND SMF CABLE
- 144 STRAND SMF CABLE
- COLUMBUS FIBERNET SMF CABLE
- CITYNET SMF CABLE
- D.O.T. SMF CABLE

FIBER SPLICING (DARK/LIGHT – PROPOSED/EXISTING)
- FUSION SPLICE – 12 FIBER BUFFER TUBE
- FUSION SPLICE – PARTIAL BUFFER TUBE
- FUSION SPLICE – SINGLE FIBER
- COILED FIBER OR BUFFER TUBE
- # - # SWITCH # - PORT #

EQUIPMENT AND TERMINATION CABINET
- LH ZX GBIC OPTICAL TRANSCEIVER LH - SHORT HAUL ZX – LONG HAUL
- 8P8C CONNECTOR
- EMPTY SFP MODULE BAY
- LC TERMINATION – SINGLE FIBER
- TERMINATION PANEL UPC (Blue)/APC (Green)
- WIRELESS ETHERNET RADIO

KEY PLAN



COMMUNICATION NODE 270052.7

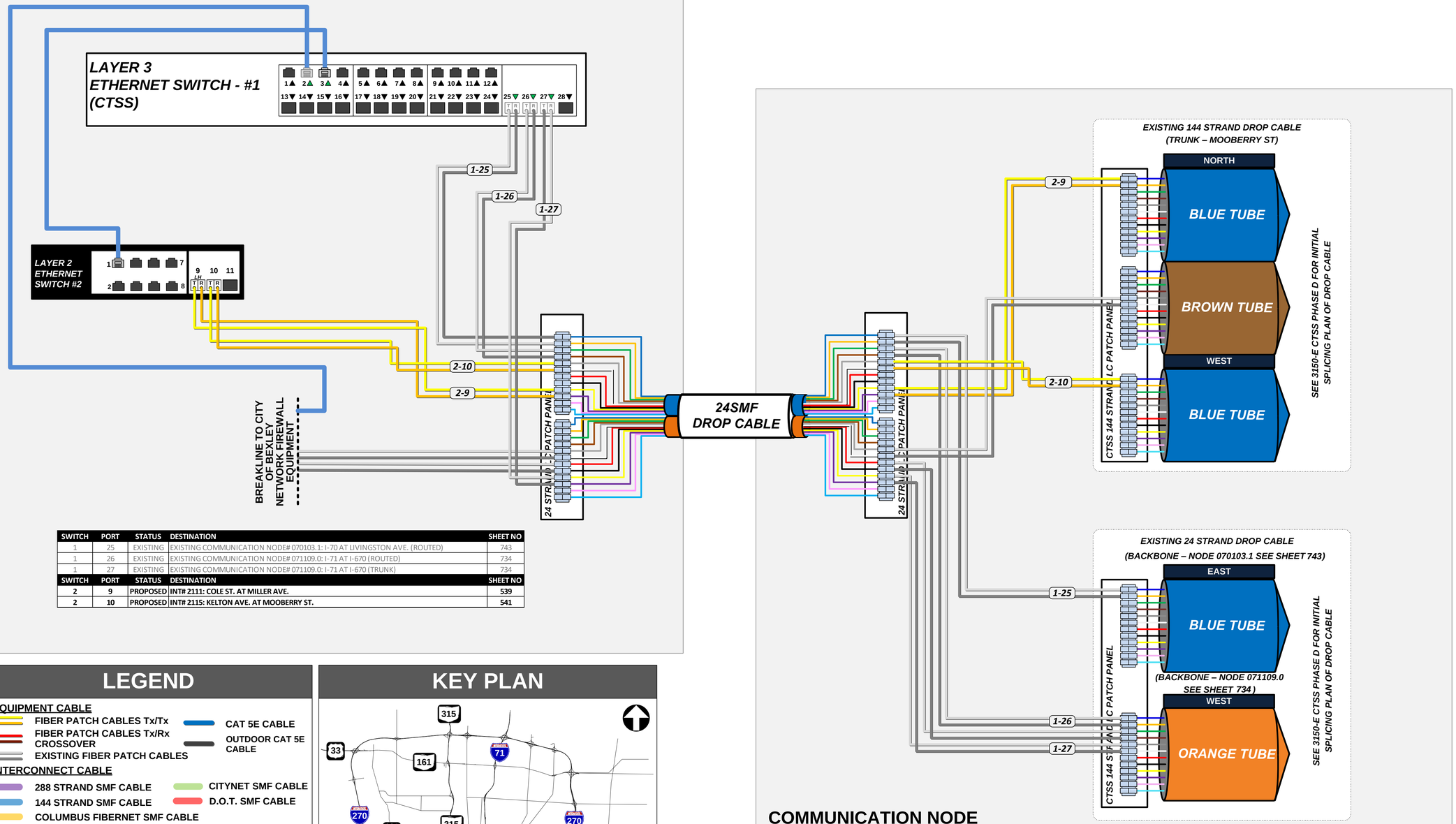
REFER TO SHEET 305 FOR CONSTRUCTION PLAN DETAILS
REFER TO SHEET 458 FOR COMM OVERVIEW DETAILS

CIP: 540007 – 100012
PID NUMBER: 99733

EXISTING COMMUNICATION NODE# 270052.7: HIGH ST. AT I-270
FIBER OPTIC SPLICING DIAGRAM

CITY OF COLUMBUS TRAFFIC SIGNAL SYSTEM
(CTSS) PHASE F – FINAL SUBMITTAL

COMMUNICATION NODE EQUIPMENT CABINET (#2)



SWITCH	PORT	STATUS	DESTINATION	SHEET NO
1	25	EXISTING	EXISTING COMMUNICATION NODE# 070103.1: I-70 AT LIVINGSTON AVE. (ROUTED)	743
1	26	EXISTING	EXISTING COMMUNICATION NODE# 071109.0: I-71 AT I-670 (ROUTED)	734
1	27	EXISTING	EXISTING COMMUNICATION NODE# 071109.0: I-71 AT I-670 (TRUNK)	734
SWITCH	**PORT**	**STATUS**	**DESTINATION**	**SHEET NO**
2	9	PROPOSED	INT# 2111: COLE ST. AT MILLER AVE.	539
2	10	PROPOSED	INT# 2115: KELTON AVE. AT MOOBERRY ST.	541

LEGEND

EQUIPMENT CABLE

- FIBER PATCH CABLES Tx/Tx
- FIBER PATCH CABLES Tx/Rx CROSSOVER
- EXISTING FIBER PATCH CABLES
- CAT 5E CABLE
- OUTDOOR CAT 5E CABLE

INTERCONNECT CABLE

- 288 STRAND SMF CABLE
- 144 STRAND SMF CABLE
- COLUMBUS FIBERNET SMF CABLE
- CITYNET SMF CABLE
- D.O.T. SMF CABLE

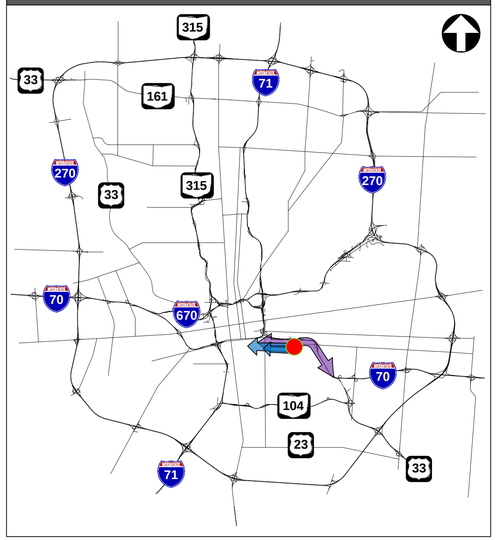
FIBER SPLICING (DARK/LIGHT – PROPOSED/EXISTING)

- FUSION SPLICE – 12 FIBER BUFFER TUBE
- FUSION SPLICE – PARTIAL BUFFER TUBE
- FUSION SPLICE – SINGLE FIBER
- COILED FIBER OR BUFFER TUBE
- # - # SWITCH # - PORT #

EQUIPMENT AND TERMINATION CABINET

- LH / ZX — GBIC OPTICAL TRANSCEIVER, LH - SHORT HAUL, ZX – LONG HAUL
- 8P8C CONNECTOR
- EMPTY SFP MODULE BAY
- LC TERMINATION – SINGLE FIBER
- TERMINATION PANEL, UPC (Blue)/APC (Green)
- WIRELESS ETHERNET RADIO

KEY PLAN



NOTES

1. INACTIVE FIBERS, AND PATCH PANEL CONNECTIONS ARE NOT SHOWN ON THIS SHEET FOR CLARITY. SEE CTSS PHASE D SHEET 963.

2. NO NEW SPLICING OR PATCHING AT THIS COMMUNICATION NODE SITE. SHEET UPDATED TO REFLECT REVISED PORT DESTINATIONS.

COMMUNICATION NODE 070102.3

REFER TO SHEET 460 FOR COMM OVERVIEW DETAILS

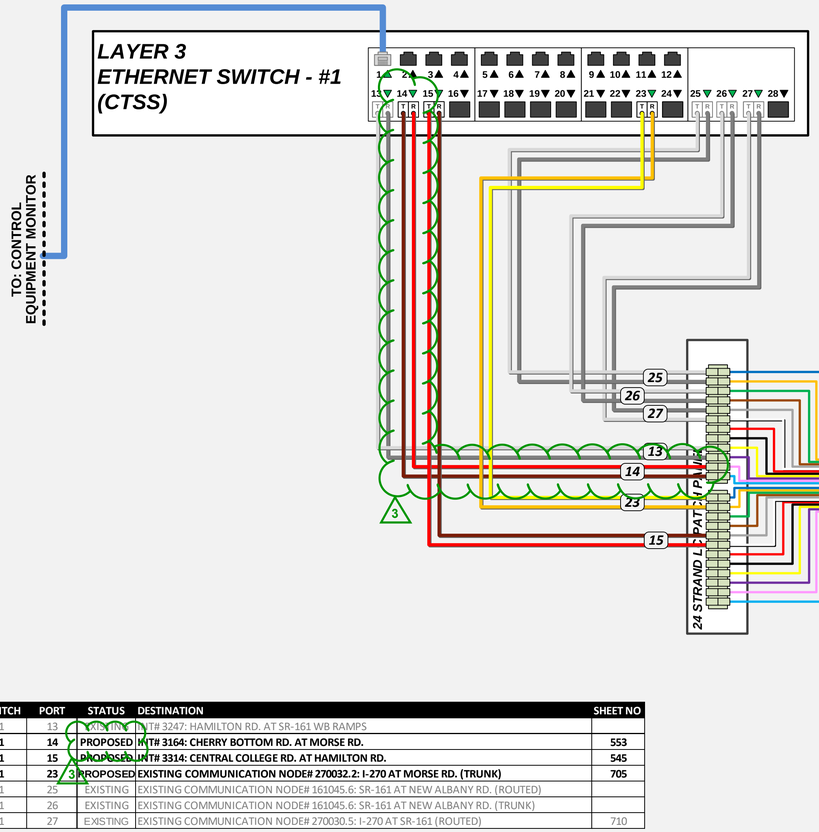
CIP: 540007 – 100012
PID NUMBER: 99733

EXISTING COMMUNICATION NODE# 070102.3: I-70 AT KELTON AVE.
COMMUNICATIONS DIAGRAM

CITY OF COLUMBUS TRAFFIC SIGNAL SYSTEM
(CTSS) PHASE F – FINAL SUBMITTAL

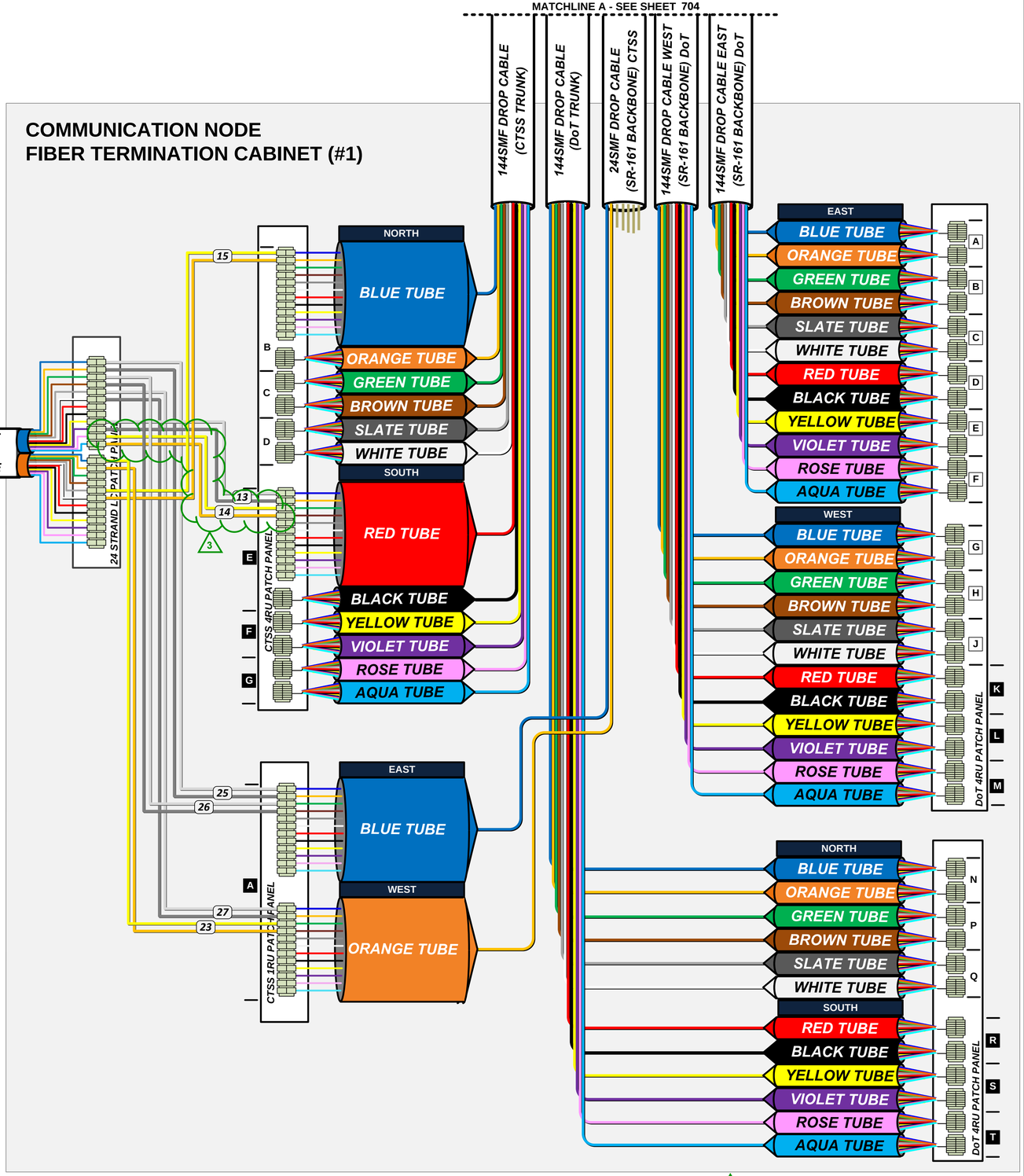
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EXISTING COMMUNICATION NODE EQUIPMENT CABINET (#2)



SWITCH	PORT	STATUS	DESTINATION	SHEET NO
1	13	EXISTING	INT# 3247: HAMILTON RD. AT SR-161 WB RAMPS	
1	14	PROPOSED	INT# 3164: CHERRY BOTTOM RD. AT MORSE RD.	553
1	15	PROPOSED	INT# 3314: CENTRAL COLLEGE RD. AT HAMILTON RD.	545
1	23	PROPOSED	EXISTING COMMUNICATION NODE# 270032.2: I-270 AT MORSE RD. (TRUNK)	705
1	25	EXISTING	EXISTING COMMUNICATION NODE# 161045.6: SR-161 AT NEW ALBANY RD. (ROUTED)	
1	26	EXISTING	EXISTING COMMUNICATION NODE# 161045.6: SR-161 AT NEW ALBANY RD. (TRUNK)	
1	27	EXISTING	EXISTING COMMUNICATION NODE# 270030.5: I-270 AT SR-161 (ROUTED)	710

COMMUNICATION NODE FIBER TERMINATION CABINET (#1)



LEGEND

EQUIPMENT CABLE

- FIBER PATCH CABLES Tx/Tx
- FIBER PATCH CABLES Tx/Rx CROSSOVER
- EXISTING FIBER PATCH CABLES
- CAT 5E CABLE
- OUTDOOR CAT 5E CABLE

INTERCONNECT CABLE

- 288 STRAND SMF CABLE
- 144 STRAND SMF CABLE
- COLUMBUS FIBERNET SMF CABLE
- CITYNET SMF CABLE
- D.O.T. SMF CABLE

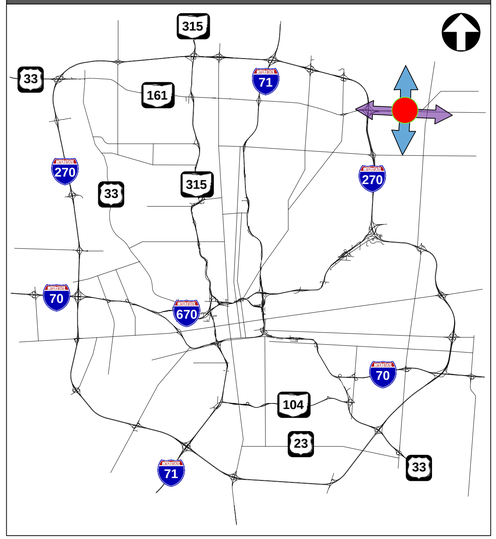
FIBER SPLICING (DARK/LIGHT – PROPOSED/EXISTING)

- FUSION SPLICE – 12 FIBER BUFFER TUBE
- FUSION SPLICE – PARTIAL BUFFER TUBE
- FUSION SPLICE – SINGLE FIBER
- COILED FIBER OR BUFFER TUBE
- # - # SWITCH # - PORT #

EQUIPMENT AND TERMINATION CABINET

- LH / ZX: GBIC OPTICAL TRANSCEIVER; LH - SHORT HAUL; ZX – LONG HAUL
- 8P8C CONNECTOR
- EMPTY SFP MODULE BAY
- LC TERMINATION – SINGLE FIBER
- TERMINATION PANEL; UPC (Blue)/APC (Green)
- WIRELESS ETHERNET RADIO

KEY PLAN



3 DRAFT REVISION 3.0

COMMUNICATION NODE 161043.8

REFER TO SHEET 133 FOR CONSTRUCTION PLAN DETAILS
REFER TO SHEET 462 FOR COMM OVERVIEW DETAILS

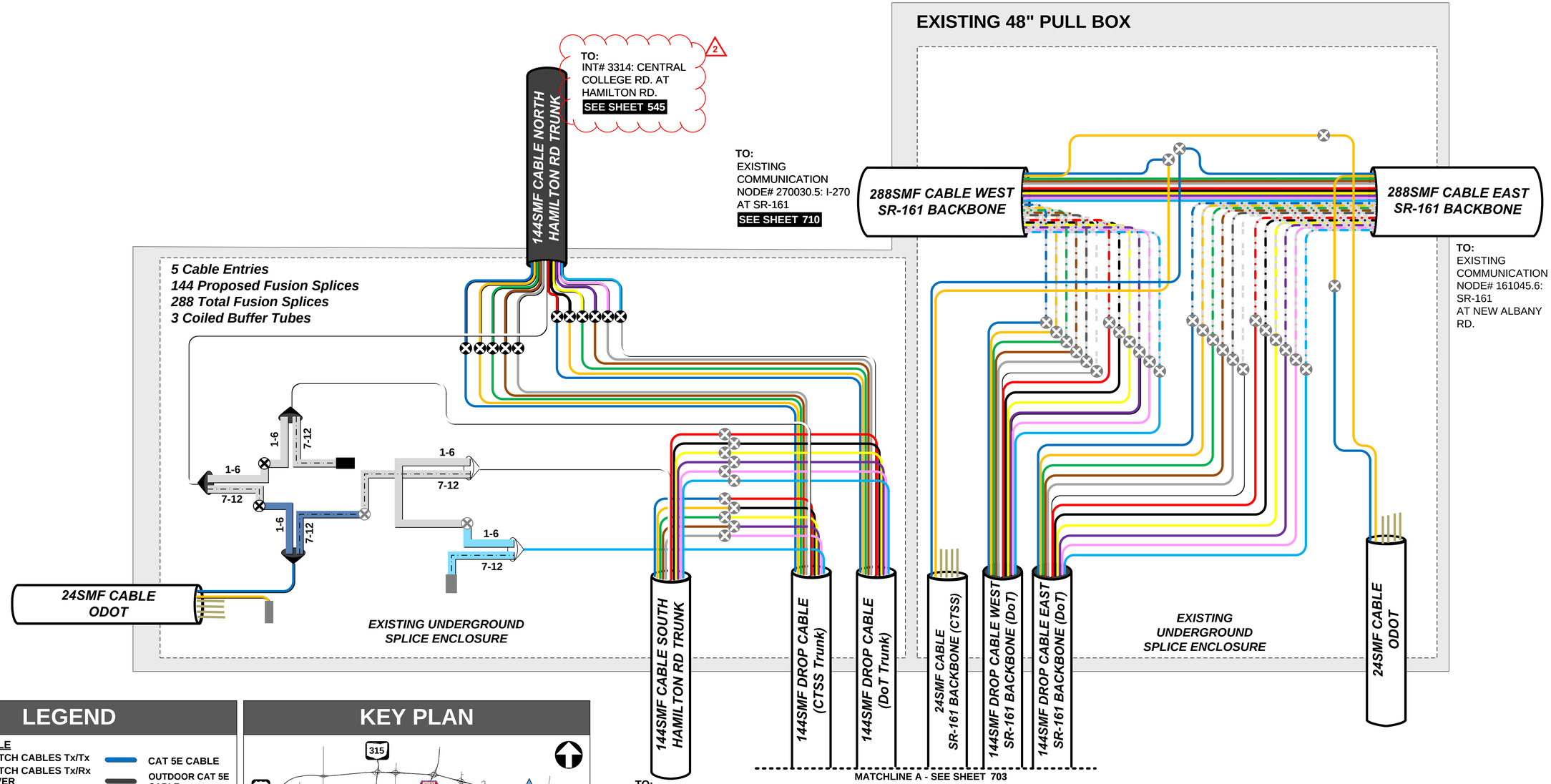
CIP: 540007 – 100012
PID NUMBER: 99733

EXISTING COMMUNICATION NODE# 161043.8: HAMILTON RD. AT SR-161 RAMPS
COMMUNICATIONS DIAGRAM

CITY OF COLUMBUS TRAFFIC SIGNAL SYSTEM
(CTSS) PHASE F – FINAL SUBMITTAL

J:\Jobs\70202 - CTSS Phase F\TECHPROD\Communications\Nodes\Phase F comm nodes.vsd - 161043.8 layout ~ last saved by: Sai Geetha Koganti 6/30/2023 10:20:48 AM ~ printed: 6/30/2023 10:20:48 AM

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LEGEND

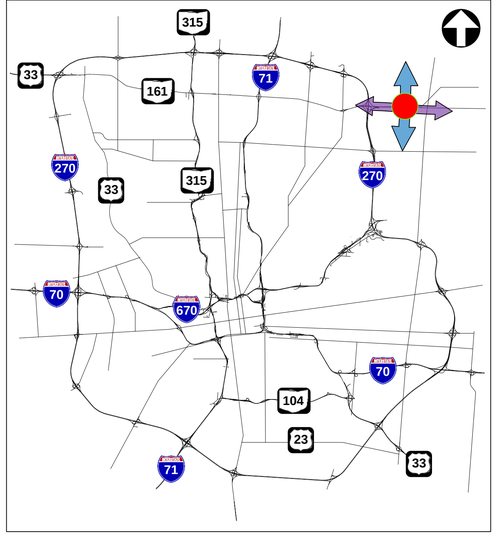
EQUIPMENT CABLE
- FIBER PATCH CABLES Tx/Tx
- FIBER PATCH CABLES Tx/Rx CROSSOVER
- EXISTING FIBER PATCH CABLES
- CAT 5E CABLE
- OUTDOOR CAT 5E CABLE

INTERCONNECT CABLE
- 288 STRAND SMF CABLE
- 144 STRAND SMF CABLE
- COLUMBUS FIBERNET SMF CABLE
- CITYNET SMF CABLE
- D.O.T. SMF CABLE

FIBER SPLICING (DARK/LIGHT – PROPOSED/EXISTING)
- FUSION SPLICE – 12 FIBER BUFFER TUBE
- FUSION SPLICE – PARTIAL BUFFER TUBE
- FUSION SPLICE – SINGLE FIBER
- COILED FIBER OR BUFFER TUBE
- # - # SWITCH # - PORT #

EQUIPMENT AND TERMINATION CABINET
- LH ZX GBIC OPTICAL TRANSCEIVER
  LH - SHORT HAUL
  ZX – LONG HAUL
- 8P8C CONNECTOR
- EMPTY SFP MODULE BAY
- LC TERMINATION – SINGLE FIBER
- TERMINATION PANEL
  UPC (Blue)/APC (Green)
- WIRELESS ETHERNET RADIO

KEY PLAN



REVISION 2.0

COMMUNICATION NODE 161043.8

REFER TO SHEET 133 FOR CONSTRUCTION PLAN DETAILS
REFER TO SHEET 462 FOR COMM OVERVIEW DETAILS

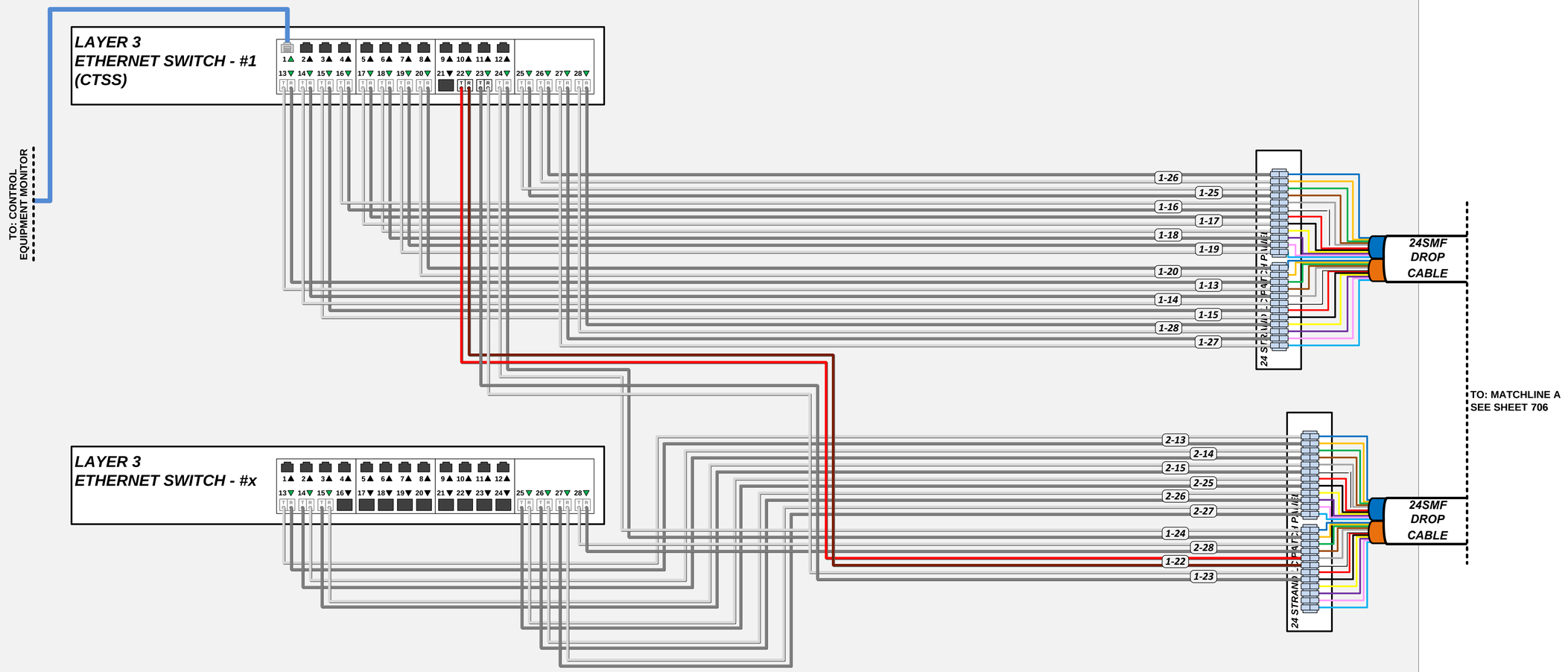
CIP: 540007 – 100012
PID NUMBER: 99733

COMMUNICATION NODE# 161043.8: HAMILTON RD. AT SR-161 RAMPS
FIBER OPTIC SPLICING DIAGRAM

EXISTING COMMUNICATION

CITY OF COLUMBUS TRAFFIC SIGNAL SYSTEM
(CTSS) PHASE F – FINAL SUBMITTAL

EXISTING COMMUNICATION NODE EQUIPMENT CABINET (#2)



LEGEND

EQUIPMENT CABLE

- FIBER PATCH CABLES Tx/Tx
- FIBER PATCH CABLES Tx/Rx CROSSOVER
- EXISTING FIBER PATCH CABLES
- CAT 5E CABLE
- OUTDOOR CAT 5E CABLE

INTERCONNECT CABLE

- 288 STRAND SMF CABLE
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- COLUMBUS FIBERNET SMF CABLE
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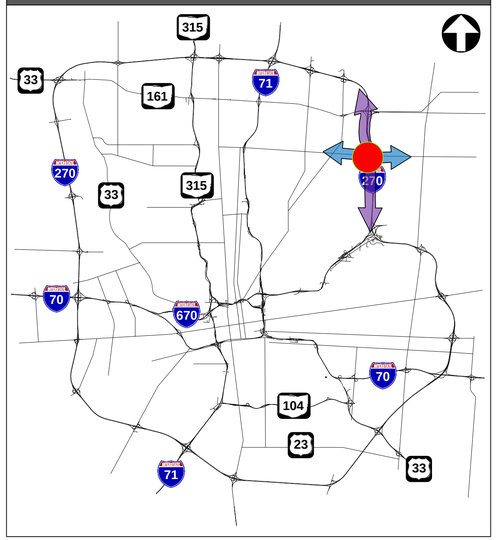
FIBER SPLICING (DARK/LIGHT – PROPOSED/EXISTING)

- FUSION SPLICE – 12 FIBER BUFFER TUBE
- FUSION SPLICE – PARTIAL BUFFER TUBE
- FUSION SPLICE – SINGLE FIBER
- COILED FIBER OR BUFFER TUBE
- # - # SWITCH # - PORT #

EQUIPMENT AND TERMINATION CABINET

- LH / ZX — GBIC OPTICAL TRANSCEIVER; LH - SHORT HAUL; ZX – LONG HAUL
- 8P8C CONNECTOR
- EMPTY SFP MODULE BAY
- LC TERMINATION – SINGLE FIBER
- TERMINATION PANEL; UPC (Blue)/APC (Green)
- WIRELESS ETHERNET RADIO

KEY PLAN



SWITCH	PORT	STATUS	DESTINATION	SHEET NO
1	13	EXISTING	INT# 3435: DUBLIN GRANVILLE RD. AT SPRING RUN DR.	
1	14	EXISTING	INT# 3271: STELZER RD. AT WORTH AVE.	
1	15	EXISTING	INT# 3269: EASTON LOOP E AT WORTH AVE.	
1	16	EXISTING	INT# 3162: MORSE RD AT I-270 NB RAMPS	
1	17	EXISTING	INT# 3164: CHERRY BOTTOM RD. AT MORSE RD.	553
1	18	EXISTING	INT# 3161: MORSE RD AT I-270 SB RAMPS	
1	19	EXISTING	INT# 3417: MORSE RD. AT MARLIN DR.	
1	20	EXISTING	INT# 3460: BRETTON WOODS DR. AT CLEVELAND AVE.	
1	**22**	**PROPOSED**	**EXISTING COMMUNICATION NODE# 161043.8: HAMILTON RD. AT SR-161 RAMPS (TRUNK)**	**703**
1	23	EXISTING	EXISTING COMMUNICATION NODE# 071117.6: I-71 AT MORSE RD. (TRUNK)	
1	24	EXISTING	EXISTING COMMUNICATION NODE# 670009.0: I-670 AT STELZER RD. (TRUNK)	711
1	25	EXISTING	EXISTING COMMUNICATION NODE# 270035.4: I-270 AT I-670 (ROUTED)	
1	26	EXISTING	EXISTING COMMUNICATION NODE# 270030.5: I-270 AT SR-161 (ROUTED)	710
1	27	EXISTING	EXISTING COMMUNICATION NODE# 270027.7: CLEVELAND AVE. AT I-270 (TRUNK)	
1	28	EXISTING	EXISTING COMMUNICATION NODE# 071116.2: I-71 AT MORSE RD. (TRUNK)	
1	13	EXISTING	INT# 3162: MORSE RD. AT I-270 NB RAMPS	
1	14	EXISTING	INT# 3092: MORSE RD. AT STYGLER RD.	
1	15	EXISTING	INT# 3161: MORSE RD AT I-270 SB RAMPS	
1	25	EXISTING	EXISTING COMMUNICATION NODE# 270027.7: CLEVELAND AVE. AT I-270 (ROUTED)	
1	26	EXISTING	EXISTING COMMUNICATION NODE# 270027.7: CLEVELAND AVE. AT I-270 (TRUNK)	
1	27	EXISTING	EXISTING COMMUNICATION NODE# 071109.0: I-71 AT I-670 (ROUTED)	734
1	28	EXISTING	EXISTING COMMUNCATION NODE# 270049.0: I-270 AT IALUM CREEK DR. (ROUTED)	

COMMUNICATION NODE 270032.2

REFER TO SHEET 463 FOR COMM OVERVIEW DETAILS

CIP: 540007 – 100012
PID NUMBER: 99733

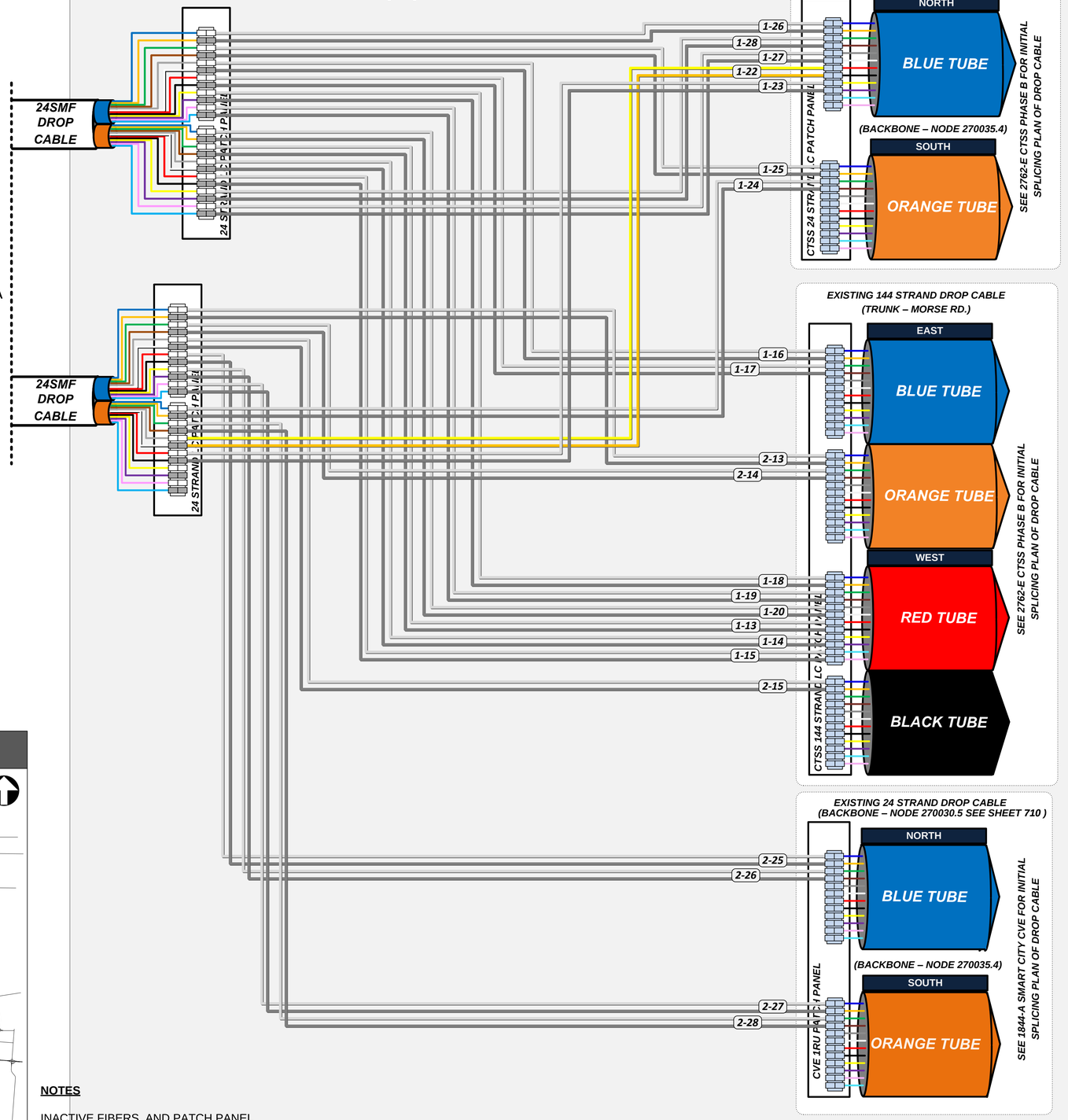
EXISTING COMMUNICATION NODE# 270032.2: I-270 AT MORSE RD.
COMMUNICATIONS DIAGRAM

CITY OF COLUMBUS TRAFFIC SIGNAL SYSTEM
(CTSS) PHASE F – FINAL SUBMITTAL

\\colw00\pmwork\Jobs\70202 - CTSS Phase F\TECHPROD\Communications\Nodes\Phase F comm nodes.vsd - 270032.2 layout ~ last saved by: Sai Geetha Koganti 6/1/2022 7:48:18 AM ~ printed: 6/1/2022 7:48:18 AM

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COMMUNICATION NODE
FIBER TERMINATION CABINET (#1)



LEGEND

EQUIPMENT CABLE

- FIBER PATCH CABLES Tx/Tx
- FIBER PATCH CABLES Tx/Rx CROSSOVER
- EXISTING FIBER PATCH CABLES
- CAT 5E CABLE
- OUTDOOR CAT 5E CABLE

INTERCONNECT CABLE

- 288 STRAND SMF CABLE
- 144 STRAND SMF CABLE
- COLUMBUS FIBERNET SMF CABLE
- CITYNET SMF CABLE
- D.O.T. SMF CABLE

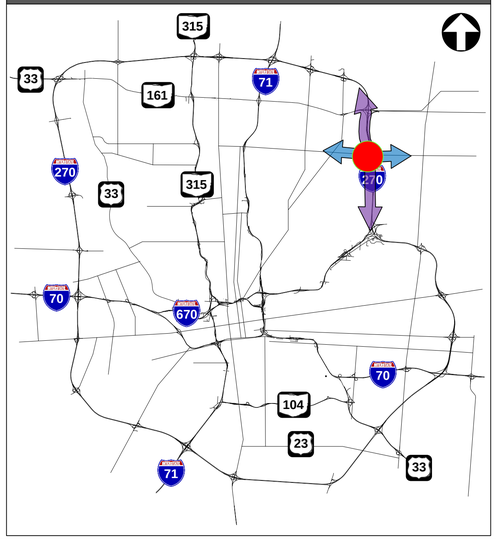
FIBER SPLICING (DARK/LIGHT – PROPOSED/EXISTING)

- FUSION SPLICE – 12 FIBER BUFFER TUBE
- FUSION SPLICE – PARTIAL BUFFER TUBE
- FUSION SPLICE – SINGLE FIBER
- COILED FIBER OR BUFFER TUBE
- # - # SWITCH # - PORT #

EQUIPMENT AND TERMINATION CABINET

- LH ZX — GBIC OPTICAL TRANSCEIVER; LH - SHORT HAUL; ZX – LONG HAUL
- 8P8C CONNECTOR
- EMPTY SFP MODULE BAY
- LC TERMINATION – SINGLE FIBER
- TERMINATION PANEL UPC (Blue)/APC (Green)
- WIRELESS ETHERNET RADIO

KEY PLAN



NOTES

INACTIVE FIBERS, AND PATCH PANEL CONNECTIONS ARE NOT SHOWN ON THIS SHEET FOR CLARITY. PROPOSED PATCHING IS SHOWN IN COLOR IN THE DIAGRAM ABOVE.

COMMUNICATION NODE 270032.2

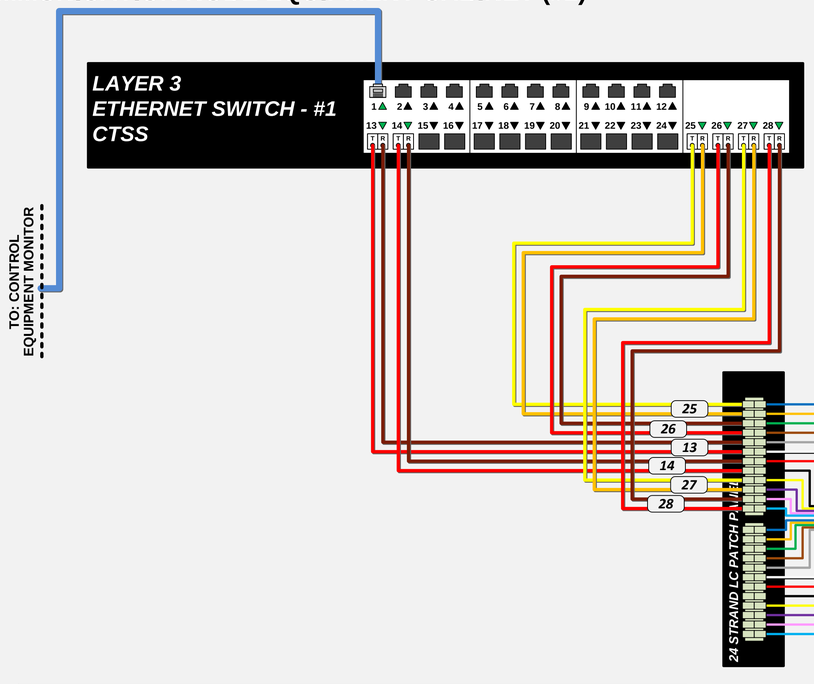
REFER TO SHEET 463 FOR COMM OVERVIEW DETAILS

CIP: 540007 – 100012
PID NUMBER: 99733

EXISTING COMMUNICATION NODE# 270032.2: I-270 AT MORSE RD.
COMMUNICATIONS DIAGRAM

CITY OF COLUMBUS TRAFFIC SIGNAL SYSTEM
(CTSS) PHASE F – FINAL SUBMITTAL

COMMUNICATION NODE EQUIPMENT CABINET (#2)



SWITCH	PORT	STATUS	DESTINATION	SHEET NO
1	13	PROPOSED	INT# 3429: DUBLIN-GRANVILLE RD. AT I-71 NB RAMPS	664
1	14	PROPOSED	INT# 3428: DUBLIN-GRANVILLE RD. AT I-71 SB RAMPS	663
1	25	PROPOSED	EXISTING COMMUNICATION NODE# 270025.9: I-270 AT I-71 (ROUTED)	694
1	26	PROPOSED	EXISTING COMMUNICATION NODE# 270025.9: I-270 AT I-71 (TRUNK)	694
1	27	PROPOSED	EXISTING COMMUNICATION NODE# 071116.2: I-71 AT MORSE RD. (ROUTED)	709
1	28	PROPOSED	EXISTING COMMUNICATION NODE# 071116.2: I-71 AT MORSE RD. (TRUNK)	709

LEGEND

EQUIPMENT CABLE

- FIBER PATCH CABLES Tx/Tx
- FIBER PATCH CABLES Tx/Rx CROSSOVER
- EXISTING FIBER PATCH CABLES
- CAT 5E CABLE
- OUTDOOR CAT 5E CABLE

INTERCONNECT CABLE

- 288 STRAND SMF CABLE
- 144 STRAND SMF CABLE
- COLUMBUS FIBERNET SMF CABLE
- CITYNET SMF CABLE
- D.O.T. SMF CABLE

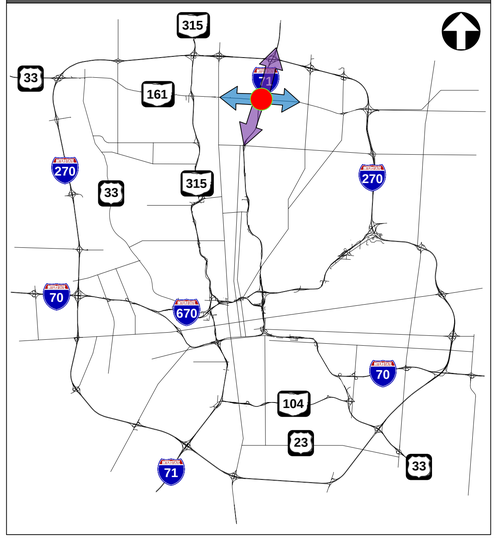
FIBER SPLICING (DARK/LIGHT – PROPOSED/EXISTING)

- FUSION SPLICE – 12 FIBER BUFFER TUBE
- FUSION SPLICE – PARTIAL BUFFER TUBE
- FUSION SPLICE – SINGLE FIBER
- COILED FIBER OR BUFFER TUBE
- # - # SWITCH # - PORT #

EQUIPMENT AND TERMINATION CABINET

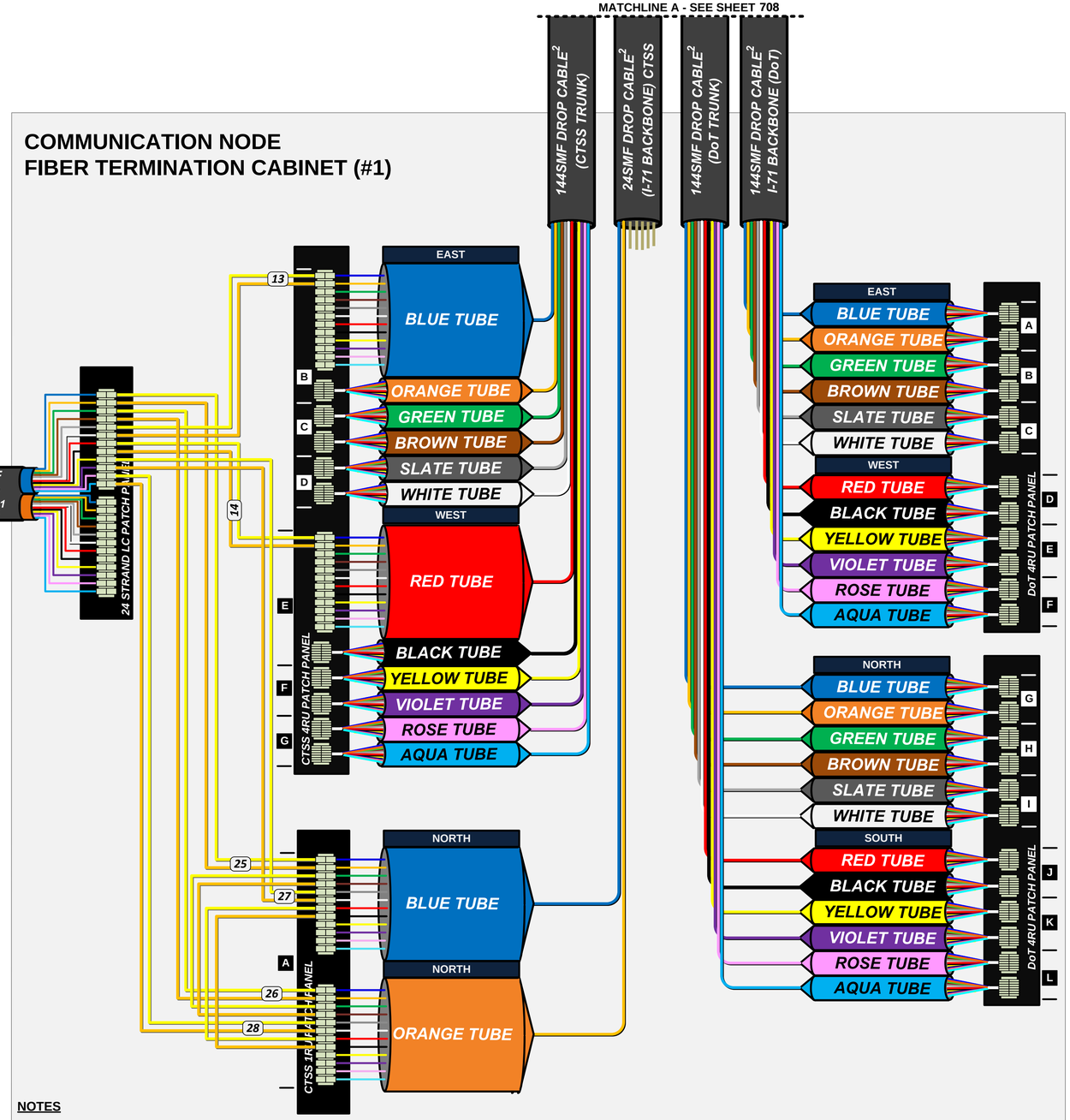
- LH / ZX — GBIC OPTICAL TRANSCEIVER; LH - SHORT HAUL; ZX – LONG HAUL
- 8P8C CONNECTOR
- EMPTY SFP MODULE BAY
- LC TERMINATION – SINGLE FIBER
- TERMINATION PANEL UPC (Blue)/APC (Green)
- WIRELESS ETHERNET RADIO

KEY PLAN



MATCHLINE A - SEE SHEET 708

COMMUNICATION NODE FIBER TERMINATION CABINET (#1)



NOTES

[1] PRE-TERMINATED 24SMF CABLE INSTALLED IN 4" CONDUIT CONNECTING CABINETS.

[2] PATCH PANEL DROP CABLES SHALL BE FACTORY PRE-TERMINATED AND OF SUFFICIENT LENGTH TO REACH ADJACENT UNDERGROUND OR OVERHEAD ENCLOSURE SPLICE LOCATION.

COMMUNICATION NODE 071117.6

REFER TO SHEET 398 FOR CONSTRUCTION PLAN DETAILS
REFER TO SHEET 465 FOR COMM OVERVIEW DETAILS

CIP: 540007 – 100012
PID NUMBER: 99733

PROPOSED COMMUNICATION NODE# 071117.6: DUBLIN GRANVILLE RD. AT I-71
COMMUNICATIONS DIAGRAM

CITY OF COLUMBUS TRAFFIC SIGNAL SYSTEM
(CTSS) PHASE F – FINAL SUBMITTAL

707
768

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PROPOSED 48" PULL BOX

5 Cable Entries
288 Fusion Splices
3 Coiled Buffer Tubes

24SMF CABLE ODOT (Future)

CAP AND COIL 150' OF 24SMF FIBER OPTIC CABLE FOR FUTURE ODOT CONNECTION

1-6 7-12
1-6 7-12
1-6 7-12
1-6 7-12
1-6 7-12

144SMF CABLE EAST DUBLIN-GRANVILLE RD TRUNK

TO:
INT# 3429: DUBLIN-GRANVILLE RD. AT I-71 NB RAMPS
SEE SHEET 664

144SMF CABLE WEST DUBLIN-GRANVILLE RD TRUNK

TO:
INT# 3428: DUBLIN-GRANVILLE RD. AT I-71 SB RAMPS
SEE SHEET 663

DOME, 800 FUSION SPLICE, UNDERGROUND SPLICE ENCLOSURE

24SMF DROP CABLE (I-71 BACKBONE) CTSS

144SMF DROP CABLE (CTSS TRUNK)

24SMF DROP CABLE (I-71 BACKBONE) CTSS

144SMF DROP CABLE (DoT TRUNK)

TO:
EXISTING COMMUNICATION NODE# 270025.9: I-270 AT I-71
SEE SHEET 694

CAP AND COIL 150' OF 24SMF FIBER OPTIC CABLE FOR FUTURE ODOT CONNECTION

PROPOSED 48" PULL BOX

4 Cable Entries
48 Fusion Splices
22 Buffer Tubes Passed Through Unspliced

288SMF CABLE NORTH I-71 BACKBONE

24SMF CABLE ODOT (Future)

144SMF CABLE I-71 BACKBONE (DoT)

DOME, 800 FUSION SPLICE, UNDERGROUND SPLICE ENCLOSURE

288SMF CABLE SOUTH I-71 BACKBONE

TO:
EXISTING COMMUNICATION NODE# 071116.2: I-71 AT MORSE RD.
SEE SHEET 709

MATCHLINE A - SEE SHEET 707

LEGEND

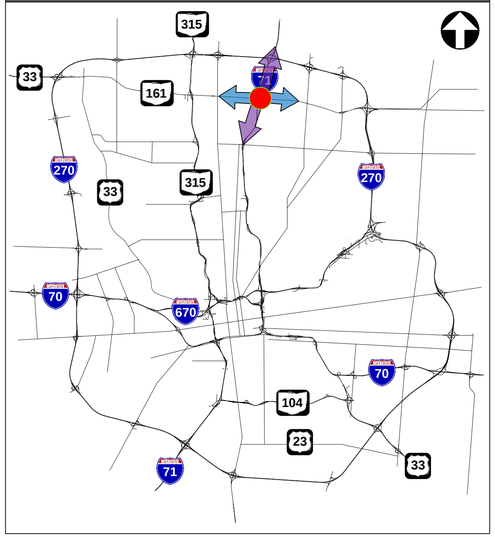
EQUIPMENT CABLE
- FIBER PATCH CABLES Tx/Tx
- FIBER PATCH CABLES Tx/Rx CROSSOVER
- EXISTING FIBER PATCH CABLES
- CAT 5E CABLE
- OUTDOOR CAT 5E CABLE

INTERCONNECT CABLE
- 288 STRAND SMF CABLE
- 144 STRAND SMF CABLE
- COLUMBUS FIBERNET SMF CABLE
- CITYNET SMF CABLE
- D.O.T. SMF CABLE

FIBER SPLICING (DARK/LIGHT – PROPOSED/EXISTING)
- FUSION SPLICE – 12 FIBER BUFFER TUBE
- FUSION SPLICE – PARTIAL BUFFER TUBE
- FUSION SPLICE – SINGLE FIBER
- COILED FIBER OR BUFFER TUBE
- # - # SWITCH # - PORT #

EQUIPMENT AND TERMINATION CABINET
- LH ZX GBIC OPTICAL TRANSCEIVER LH - SHORT HAUL ZX – LONG HAUL
- 8P8C CONNECTOR
- EMPTY SFP MODULE BAY
- LC TERMINATION – SINGLE FIBER
- TERMINATION PANEL UPC (Blue)/APC (Green)
- WIRELESS ETHERNET RADIO

KEY PLAN



COMMUNICATION NODE 071117.6
REFER TO SHEET 398 FOR CONSTRUCTION PLAN DETAILS
REFER TO SHEET 465 FOR COMM OVERVIEW DETAILS

CIP: 540007 – 100012
PID NUMBER: 99733

PROPOSED COMMUNICATION NODE# 071117.6: DUBLIN GRANVILLE RD. AT I-71
FIBER OPTIC SPLICING DIAGRAM

CITY OF COLUMBUS TRAFFIC SIGNAL SYSTEM
(CTSS) PHASE F – FINAL SUBMITTAL

COMMUNICATION NODE EQUIPMENT CABINET (#2)

SWITCH	PORT	STATUS	DESTINATION	SHEET NO
1	13	EXISTING	INT# 3408: I-71 NB RAMPS AT MORSE RD.	
1	14	EXISTING	INT# 3407: I-71 SB RAMPS AT MORSE RD.	
1	15	EXISTING	INT# SIG4055: CLEVELAND AVE. AT COOKE RD.	
1	16	EXISTING	INT# 3440: CLEVELAND AVE. AT MORSE RD.	
1	17	EXISTING	INT# 3159: CLEVELAND AVE. AT FERRIS RD.	
1	**25**	**REVISED**	**PROPOSED COMMUNICATION NODE# 071117.6: DUBLIN GRANVILLE RD. AT I-71 (ROUTED)**	**707**
1	26	EXISTING	EXISTING COMMUNICATION NODE# 071113.4: E NORTH BROADWAY AT I-71 (ROUTED)	
1	27	EXISTING	EXISTING COMMUNICATION NODE# 270032.2: I-270 AT MORSE RD. (TRUNK)	705
1	28	EXISTING	TMC COMMUNICATION HUB: 1881 E TWENTY-FIFTH AVE. (TRUNK)	
SWITCH	**PORT**	**STATUS**	**DESTINATION**	**SHEET NO**
2	**5**	**REVISED**	**EXISTING COMMUNICATION NODE# 270025.9: I-270 AT I-71 (ROUTED)**	**694**
2	6	EXISTING	EXISTING COMMUNICATION NODE# 071113.4: E NORTH BROADWAY AT I-71 (ROUTED)	

LAYER 3 ETHERNET SWITCH - #1 (CTSS)

TO: CONTROL EQUIPMENT MONITOR

EXISTING LAYER 3 ETHERNET SWITCH - #2 (CTSS)

Ports: 1 2 3 4 | 5 6 7 8 | 9 10 11 12

SFP Modules: 5 LH, 6 LH

2-5, 2-6, 1-17, 1-13, 1-16, 1-25, 1-14, 1-15, 1-28, 1-27, 1-26

24 STRAND LC PATCH PANEL

24SMF DROP CABLE

SEE 1844-A SCC-CONNECTED VEHICLE ENVIROMENT FOR NODE CABINET (#2) AND INITIAL SPLICNG PLAN

SWITCH	PORT	STATUS	DESTINATION	SHEET NO
3	13	EXISTING	INT# 3407: MORSE RD. AT SINCLAIRD RD.	
3	14	EXISTING	INT# 3408: I-71 NB RAMPS AT MORSE RD.	
3	15	EXISTING	INT# 3159: CLEVELAND AVE. AT FERRIS RD.	
3	16	EXISTING	EXISTING COMMUNICATION NODE# 270027.7: CLEVELAND AVE. AT I-270 (TRUNK)	
3	25	EXISTING	EXISTING COMMUNICATION NODE# 270025.9: I-270 AT I-71 (ROUTED)	694
3	26	EXISTING	EXISTING COMMUNICATION NODE# 315006.2: NORTH BROADWAY AT SR-315 (TRUNK)	699
3	27	EXISTING	EXISTING COMMUNICATION NODE# 071110.9: ELEVENTH AVE. AT I-71 (ROUTED)	
3	28	EXISTING	TMC COMMUNICATION HUB: 1881 E TWENTY-FIFTH AVE. (TRUNK)	

LAYER 3 ETHERNET SWITCH - #3 (CVE)

3-13, 3-14, 3-15, 3-25, 3-26, 3-16, 3-27, 3-28

24 STRAND LC PATCH PANEL

24SMF DROP CABLE

LEGEND

EQUIPMENT CABLE

- FIBER PATCH CABLES Tx/Tx
- FIBER PATCH CABLES Tx/Rx CROSSOVER
- EXISTING FIBER PATCH CABLES
- CAT 5E CABLE
- OUTDOOR CAT 5E CABLE

INTERCONNECT CABLE

- 288 STRAND SMF CABLE
- 144 STRAND SMF CABLE
- COLUMBUS FIBERNET SMF CABLE
- CITYNET SMF CABLE
- D.O.T. SMF CABLE

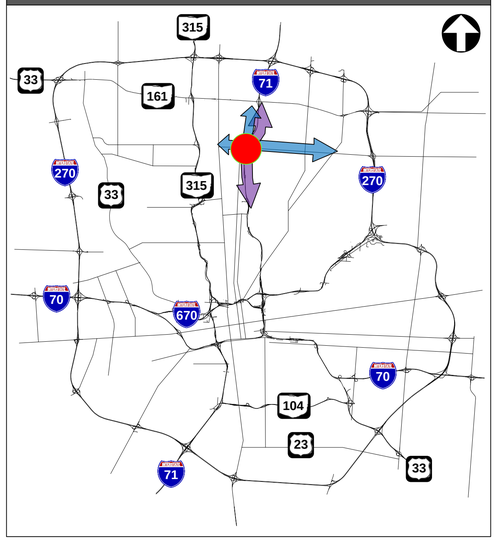
FIBER SPLICING (DARK/LIGHT – PROPOSED/EXISTING)

- FUSION SPLICE – 12 FIBER BUFFER TUBE
- FUSION SPLICE – PARTIAL BUFFER TUBE
- FUSION SPLICE – SINGLE FIBER
- COILED FIBER OR BUFFER TUBE
- # - # SWITCH # - PORT #

EQUIPMENT AND TERMINATION CABINET

- LH ZX — GBIC OPTICAL TRANSCEIVER; LH - SHORT HAUL; ZX – LONG HAUL
- 8P8C CONNECTOR
- EMPTY SFP MODULE BAY
- LC TERMINATION – SINGLE FIBER
- TERMINATION PANEL UPC (Blue)/APC (Green)
- WIRELESS ETHERNET RADIO

KEY PLAN



NOTES

1. NO NEW SPLICING OR PATCHING AT THIS COMMUNICATION NODE SITE. SHEET UPDATED TO REFLECT REVISED PORT DESTINATIONS.

COMMUNICATION NODE 071116.2

REFER TO SHEET 465 FOR COMM OVERVIEW DETAILS

CIP: 540007 – 100012
PID NUMBER: 99733

COMMUNICATION NODE# 071116.2: I-71 AT MORSE RD.
EXISTING COMMUNICATIONS DIAGRAM

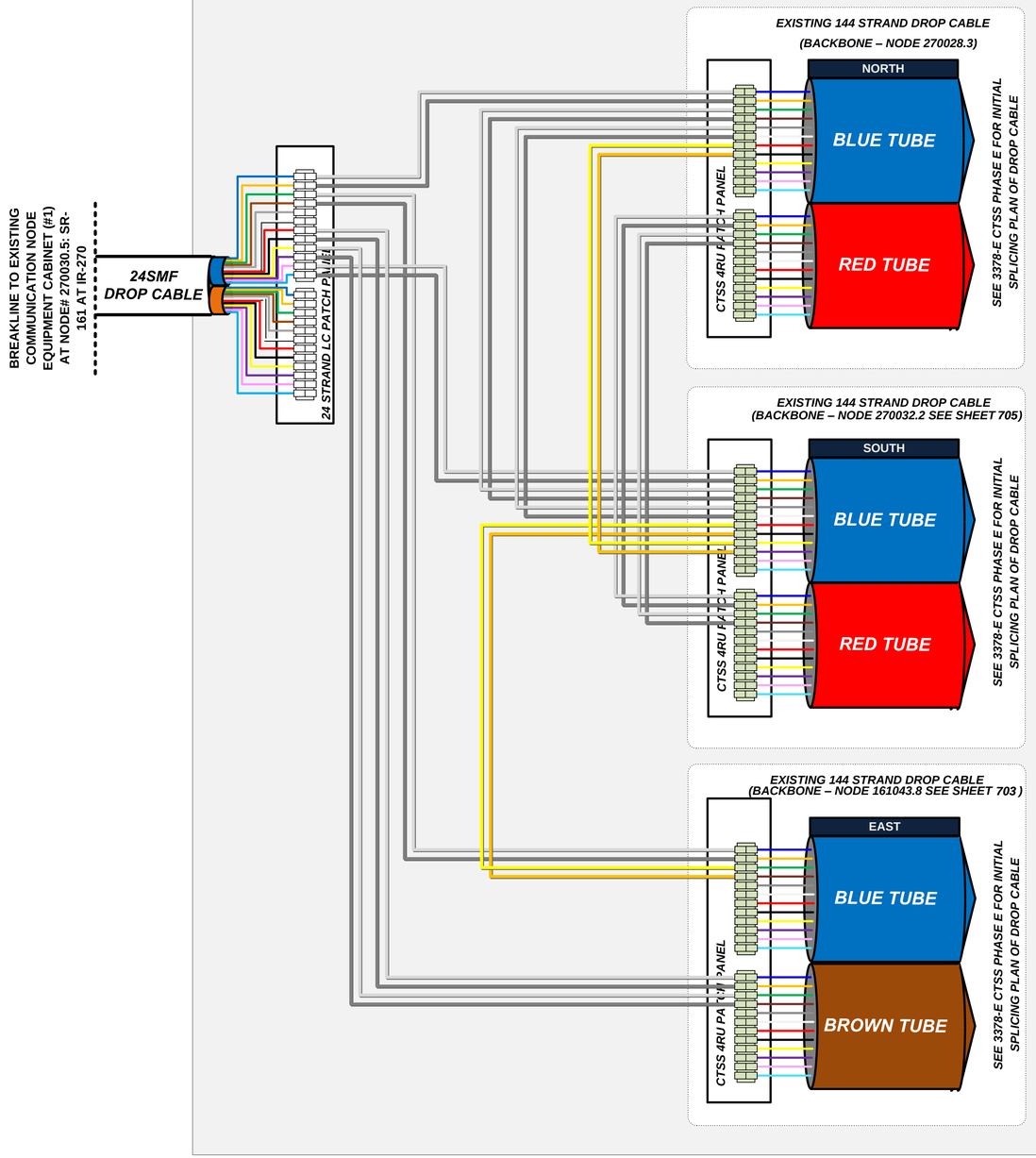
CITY OF COLUMBUS TRAFFIC SIGNAL SYSTEM
(CTSS) PHASE F – FINAL SUBMITTAL

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COMMUNICATION NODE
FIBER TERMINATION CABINET (#1)



LEGEND

EQUIPMENT CABLE

- FIBER PATCH CABLES Tx/Tx
- FIBER PATCH CABLES Tx/Rx CROSSOVER
- EXISTING FIBER PATCH CABLES
- CAT 5E CABLE
- OUTDOOR CAT 5E CABLE

INTERCONNECT CABLE

- 288 STRAND SMF CABLE
- 144 STRAND SMF CABLE
- COLUMBUS FIBERNET SMF CABLE
- CITYNET SMF CABLE
- D.O.T. SMF CABLE

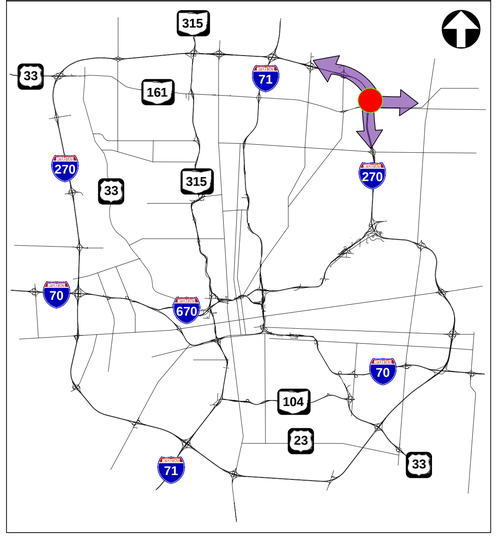
FIBER SPLICING (DARK/LIGHT – PROPOSED/EXISTING)

- FUSION SPLICE – 12 FIBER BUFFER TUBE
- FUSION SPLICE – PARTIAL BUFFER TUBE
- FUSION SPLICE – SINGLE FIBER
- COILED FIBER OR BUFFER TUBE
- # - # SWITCH # - PORT #

EQUIPMENT AND TERMINATION CABINET

- LH / ZX GBIC OPTICAL TRANSCEIVER; LH - SHORT HAUL; ZX – LONG HAUL
- 8P8C CONNECTOR
- EMPTY SFP MODULE BAY
- LC TERMINATION – SINGLE FIBER
- TERMINATION PANEL UPC (Blue)/APC (Green)
- WIRELESS ETHERNET RADIO

KEY PLAN



NOTES

INACTIVE FIBERS, PATCHING, AND PATCH PANEL CONNECTIONS ARE NOT SHOWN ON THIS SHEET FOR CLARITY. PROPOSED PATCHING IS SHOWN IN COLOR IN THE DIAGRAM ABOVE.

COMMUNICATION NODE 270030.5

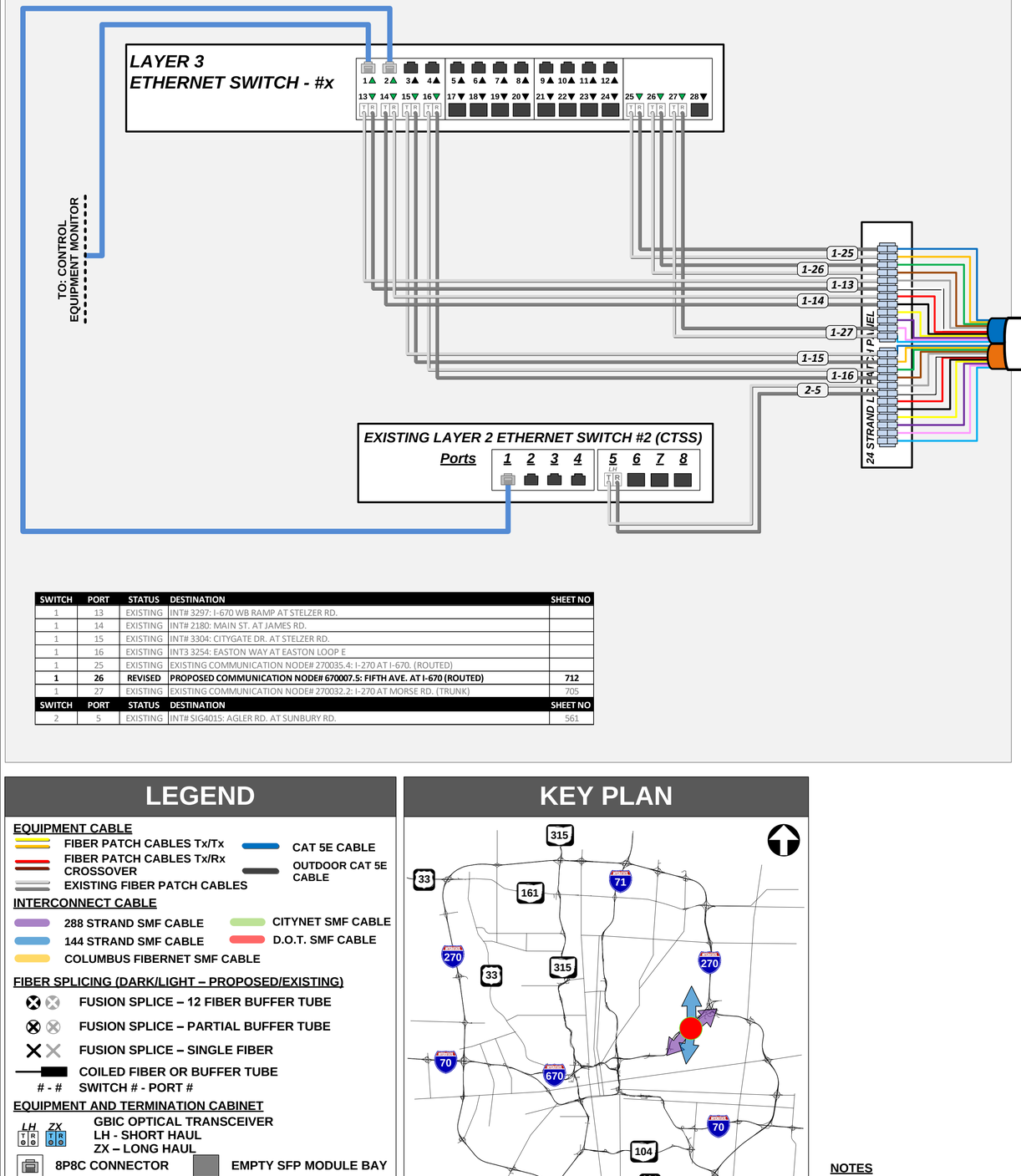
REFER TO SHEET 464 FOR COMM OVERVIEW DETAILS

CIP: 540007 – 100012
PID NUMBER: 99733

EXISTING COMMUNICATION NODE# 270030.5: I-270 AT SR-161
COMMUNICATIONS DIAGRAM

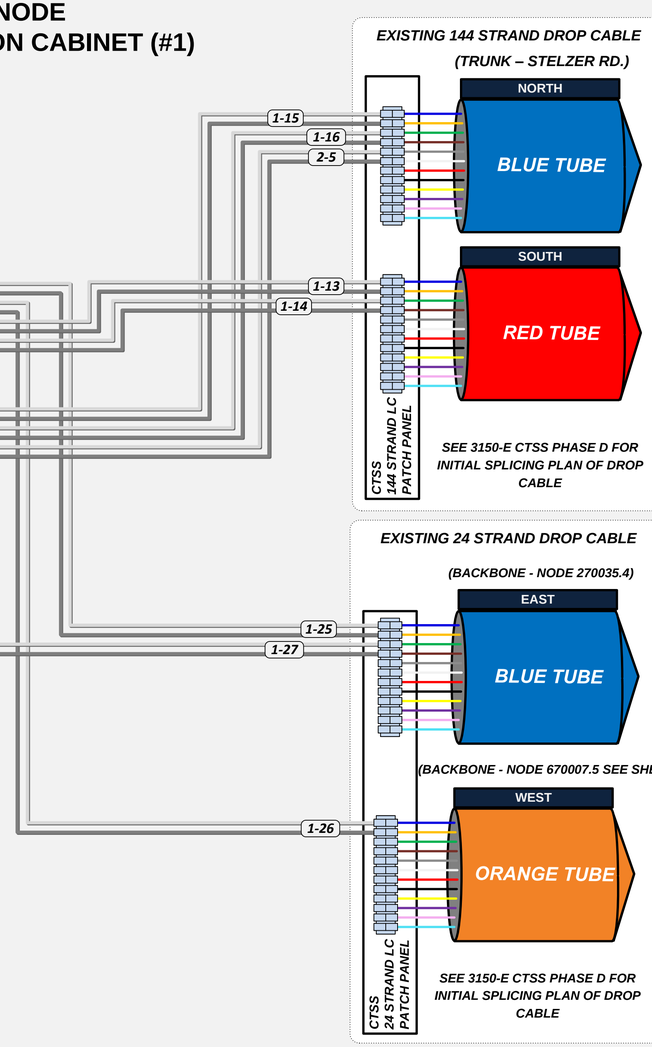
CITY OF COLUMBUS TRAFFIC SIGNAL SYSTEM
(CTSS) PHASE F – FINAL SUBMITTAL

EXISTING COMMUNICATION NODE EQUIPMENT CABINET (#2)



SWITCH	PORT	STATUS	DESTINATION	SHEET NO
1	13	EXISTING	INT# 3297: I-670 WB RAMP AT STELZER RD.	
1	14	EXISTING	INT# 2180: MAIN ST. AT JAMES RD.	
1	15	EXISTING	INT# 3304: CITYGATE DR. AT STELZER RD.	
1	16	EXISTING	INT3 3254: EASTON WAY AT EASTON LOOP E	
1	25	EXISTING	EXISTING COMMUNICATION NODE# 270035.4: I-270 AT I-670. (ROUTED)	
1	**26**	**REVISED**	**PROPOSED COMMUNICATION NODE# 670007.5: FIFTH AVE. AT I-670 (ROUTED)**	**712**
1	27	EXISTING	EXISTING COMMUNICATION NODE# 270032.2: I-270 AT MORSE RD. (TRUNK)	705
SWITCH	**PORT**	**STATUS**	**DESTINATION**	**SHEET NO**
2	5	EXISTING	INT# SIG4015: AGLER RD. AT SUNBURY RD.	561

COMMUNICATION NODE FIBER TERMINATION CABINET (#1)



LEGEND

EQUIPMENT CABLE

- FIBER PATCH CABLES Tx/Tx
- FIBER PATCH CABLES Tx/Rx CROSSOVER
- EXISTING FIBER PATCH CABLES
- CAT 5E CABLE
- OUTDOOR CAT 5E CABLE

INTERCONNECT CABLE

- 288 STRAND SMF CABLE
- 144 STRAND SMF CABLE
- COLUMBUS FIBERNET SMF CABLE
- CITYNET SMF CABLE
- D.O.T. SMF CABLE

FIBER SPLICING (DARK/LIGHT – PROPOSED/EXISTING)

- FUSION SPLICE – 12 FIBER BUFFER TUBE
- FUSION SPLICE – PARTIAL BUFFER TUBE
- FUSION SPLICE – SINGLE FIBER
- COILED FIBER OR BUFFER TUBE
- # - # SWITCH # - PORT #

EQUIPMENT AND TERMINATION CABINET

- LH ZX — GBIC OPTICAL TRANSCEIVER; LH - SHORT HAUL; ZX – LONG HAUL
- 8P8C CONNECTOR
- EMPTY SFP MODULE BAY
- LC TERMINATION – SINGLE FIBER
- TERMINATION PANEL UPC (Blue)/APC (Green)
- WIRELESS ETHERNET RADIO

KEY PLAN

NOTES

1. NO NEW SPLICING OR PATCHING AT THIS COMMUNICATION NODE SITE. SHEET UPDATED TO REFLECT REVISED PORT DESTINATIONS.

COMMUNICATION NODE 670009.0

REFER TO SHEET 471 FOR COMM OVERVIEW DETAILS

CIP: 540007 – 100012
PID NUMBER: 99733

EXISTING COMMUNICATION NODE# 670009.0: I-670 AT STELZER RD.
COMMUNICATIONS DIAGRAM

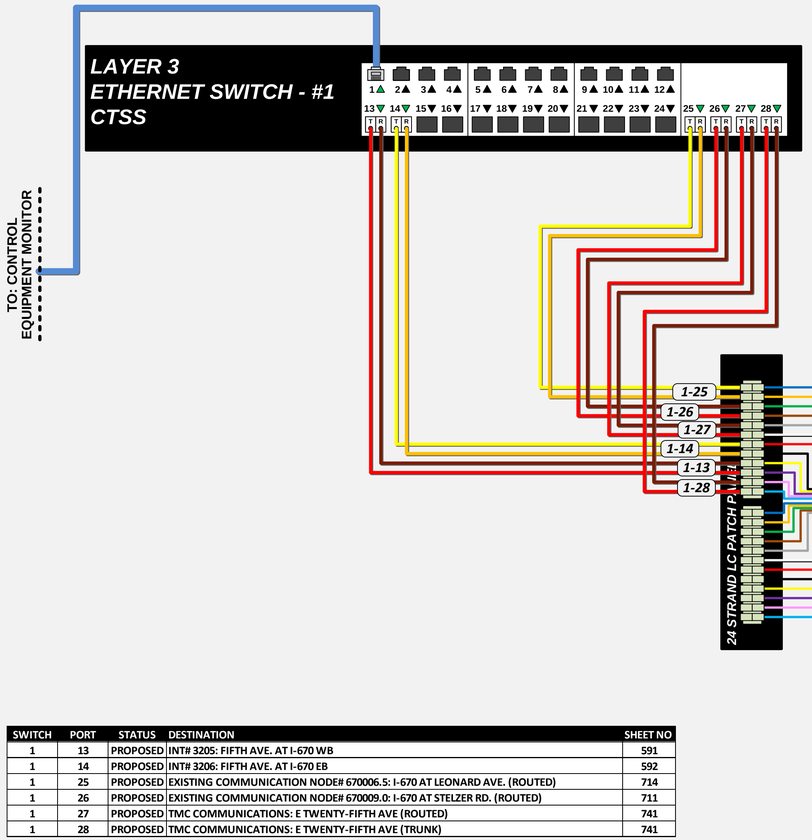
CITY OF COLUMBUS TRAFFIC SIGNAL SYSTEM
(CTSS) PHASE F – FINAL SUBMITTAL

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768

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COMMUNICATION NODE EQUIPMENT CABINET (#2)



SWITCH	PORT	STATUS	DESTINATION	SHEET NO
1	13	PROPOSED	INT# 3205: FIFTH AVE. AT I-670 WB	591
1	14	PROPOSED	INT# 3206: FIFTH AVE. AT I-670 EB	592
1	25	PROPOSED	EXISTING COMMUNICATION NODE# 670006.5: I-670 AT LEONARD AVE. (ROUTED)	714
1	26	PROPOSED	EXISTING COMMUNICATION NODE# 670009.0: I-670 AT STELZER RD. (ROUTED)	711
1	27	PROPOSED	TMC COMMUNICATIONS: E TWENTY-FIFTH AVE (ROUTED)	741
1	28	PROPOSED	TMC COMMUNICATIONS: E TWENTY-FIFTH AVE (TRUNK)	741

LEGEND

EQUIPMENT CABLE

- FIBER PATCH CABLES Tx/Tx
- FIBER PATCH CABLES Tx/Rx CROSSOVER
- EXISTING FIBER PATCH CABLES
- CAT 5E CABLE
- OUTDOOR CAT 5E CABLE

INTERCONNECT CABLE

- 288 STRAND SMF CABLE
- 144 STRAND SMF CABLE
- COLUMBUS FIBERNET SMF CABLE
- CITYNET SMF CABLE
- D.O.T. SMF CABLE

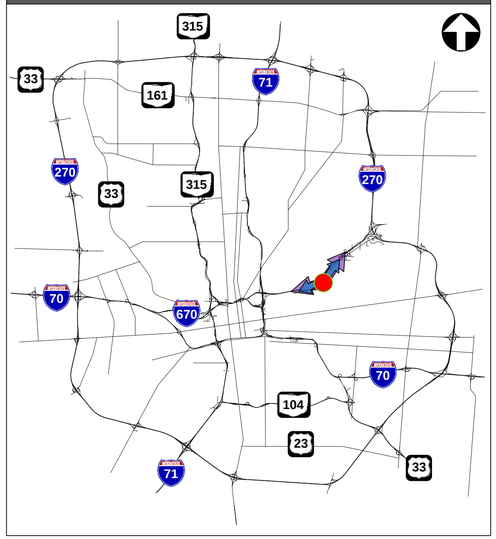
FIBER SPLICING (DARK/LIGHT – PROPOSED/EXISTING)

- FUSION SPLICE – 12 FIBER BUFFER TUBE
- FUSION SPLICE – PARTIAL BUFFER TUBE
- FUSION SPLICE – SINGLE FIBER
- COILED FIBER OR BUFFER TUBE
- # - # SWITCH # - PORT #

EQUIPMENT AND TERMINATION CABINET

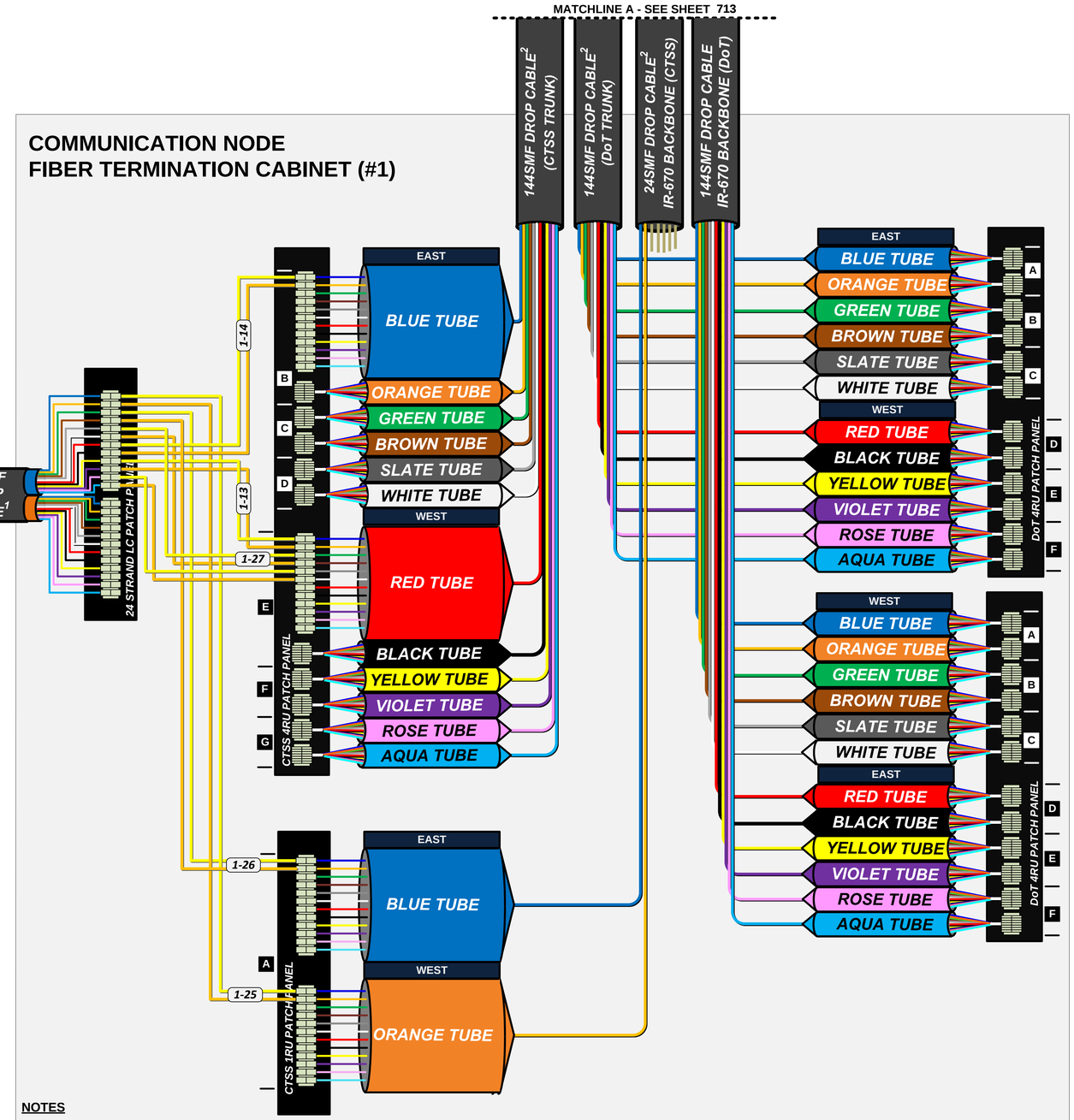
- LH ZX — GBIC OPTICAL TRANSCEIVER; LH - SHORT HAUL; ZX – LONG HAUL
- 8P8C CONNECTOR
- EMPTY SFP MODULE BAY
- LC TERMINATION – SINGLE FIBER
- TERMINATION PANEL UPC (Blue)/APC (Green)
- WIRELESS ETHERNET RADIO

KEY PLAN



COMMUNICATION NODE FIBER TERMINATION CABINET (#1)

MATCHLINE A - SEE SHEET 713



NOTES

[1] PRE-TERMINATED 24SMF CABLE INSTALLED IN 4" CONDUIT CONNECTING CABINETS.

[2] PATCH PANEL DROP CABLES SHALL BE FACTORY PRE-TERMINATED AND OF SUFFICIENT LENGTH TO REACH ADJACENT UNDERGROUND OR OVERHEAD ENCLOSURE SPLICE LOCATION.

COMMUNICATION NODE 670007.5

REFER TO SHEET 406 FOR CONSTRUCTION PLAN DETAILS
REFER TO SHEET 471 FOR COMM OVERVIEW DETAILS

CIP: 540007 – 100012
PID NUMBER: 99733

PROPOSED COMMUNICATION NODE# 670007.5: FIFTH AVE. AT I-670
COMMUNICATIONS DIAGRAM

CITY OF COLUMBUS TRAFFIC SIGNAL SYSTEM
(CTSS) PHASE F – FINAL SUBMITTAL

\\colw001\pmwork\Jobs\70202 - CTSS Phase F\TECHPROD\Communications\Nodes\Phase F comm nodes.vsd - 670007.5-2 layout ~ last saved by: Sai Geetha Koganti 6/1/2022 7:48:18 AM ~ printed: 6/1/2022 7:48:18 AM

TO:
INT# 3205: FIFTH AVE. AT I-670 WB
SEE SHEET 591

144SMF CABLE WEST FIFTH AVE TRUNK

CAP AND COIL 150' OF 24SMF FIBER OPTIC CABLE FOR FUTURE ODOT CONNECTION

24SMF CABLE ODOT (Future)

TO:
EXISTING COMMUNICATION NODE# 670006.5: I-670 AT LEONARD AVE.
SEE SHEET 714

PROPOSED 48" PULL BOX

6 Cable Entries
336 Fusion Splices

288SMF CABLE WEST IR-670 BACKBONE

288SMF CABLE EAST IR-670 BACKBONE

TO:
EXISTING COMMUNICATION NODE# 670009.0: I-670 AT STELZER RD.
SEE SHEET 711

5 Cable Entries
264 Fusion Splices
2 Coiled Buffer Tubes

1-6
7-12

DOME, 800 FUSION SPLICE, UNDERGROUND SPLICE ENCLOSURE

144SMF DROP CABLE (CTSS Trunk)

144SMF DROP CABLE (DoT Trunk)

24SMF DROP CABLE IR-670 BACKBONE (CTSS)

144SMF DROP CABLE IR-670 BACKBONE (DoT)

DOME, 800 FUSION SPLICE, UNDERGROUND SPLICE ENCLOSURE

24SMF CABLE ODOT (Future)

CAP AND COIL 150' OF 24SMF FIBER OPTIC CABLE FOR FUTURE ODOT CONNECTION

MATCHLINE A - SEE SHEET 712

144SMF CABLE EAST FIFTH AVE TRUNK

TO:
INT# 3206: FIFTH AVE. AT I-670 EB
SEE SHEET 592

LEGEND

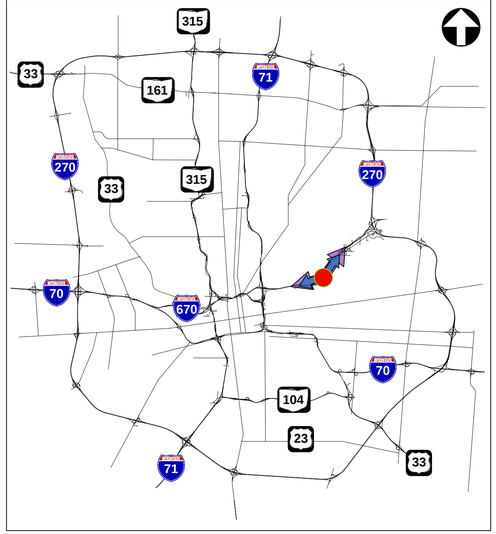
EQUIPMENT CABLE
- FIBER PATCH CABLES Tx/Tx
- FIBER PATCH CABLES Tx/Rx CROSSOVER
- EXISTING FIBER PATCH CABLES
- CAT 5E CABLE
- OUTDOOR CAT 5E CABLE

INTERCONNECT CABLE
- 288 STRAND SMF CABLE
- 144 STRAND SMF CABLE
- COLUMBUS FIBERNET SMF CABLE
- CITYNET SMF CABLE
- D.O.T. SMF CABLE

FIBER SPLICING (DARK/LIGHT – PROPOSED/EXISTING)
- FUSION SPLICE – 12 FIBER BUFFER TUBE
- FUSION SPLICE – PARTIAL BUFFER TUBE
- FUSION SPLICE – SINGLE FIBER
- COILED FIBER OR BUFFER TUBE
- # - # SWITCH # - PORT #

EQUIPMENT AND TERMINATION CABINET
- LH ZX — GBIC OPTICAL TRANSCEIVER; LH - SHORT HAUL; ZX – LONG HAUL
- 8P8C CONNECTOR
- EMPTY SFP MODULE BAY
- LC TERMINATION – SINGLE FIBER
- TERMINATION PANEL UPC (Blue)/APC (Green)
- WIRELESS ETHERNET RADIO

KEY PLAN



COMMUNICATION NODE 670007.5

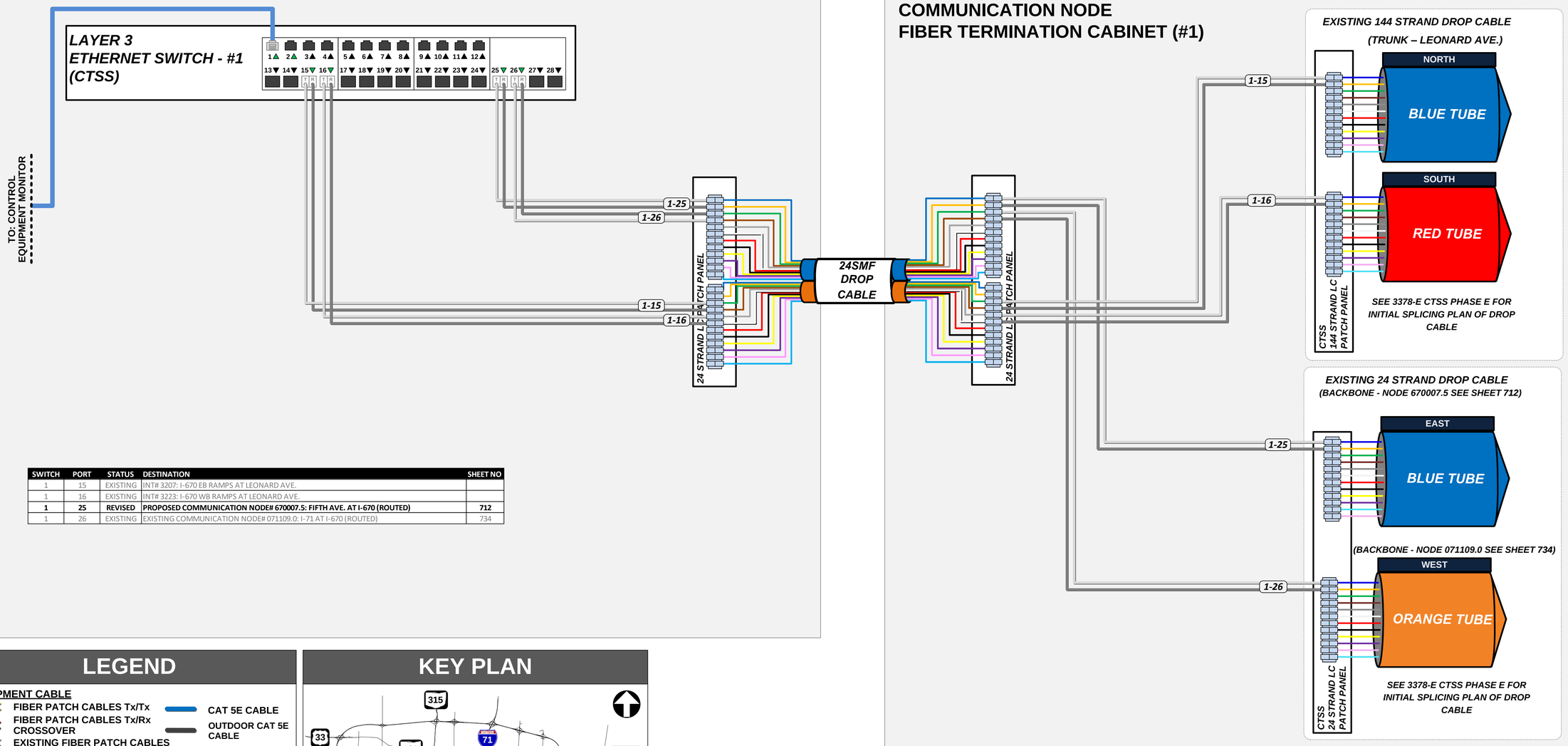
REFER TO SHEET 406 FOR CONSTRUCTION PLAN DETAILS
REFER TO SHEET 471 FOR COMM OVERVIEW DETAILS

CIP: 540007 – 100012
PID NUMBER: 99733

PROPOSED COMMUNICATION NODE# 670007.5: FIFTH AVE. AT I-670
COMMUNICATIONS DIAGRAM

CITY OF COLUMBUS TRAFFIC SIGNAL SYSTEM
(CTSS) PHASE F – FINAL SUBMITTAL

EXISTING COMMUNICATION NODE EQUIPMENT CABINET (#2)



SWITCH	PORT	STATUS	DESTINATION	SHEET NO
1	15	EXISTING	INT# 3207: I-670 EB RAMPS AT LEONARD AVE.	
1	16	EXISTING	INT# 3223: I-670 WB RAMPS AT LEONARD AVE.	
1	**25**	**REVISED**	**PROPOSED COMMUNICATION NODE# 670007.5: FIFTH AVE. AT I-670 (ROUTED)**	**712**
1	26	EXISTING	EXISTING COMMUNICATION NODE# 071109.0: I-71 AT I-670 (ROUTED)	734

COMMUNICATION NODE FIBER TERMINATION CABINET (#1)

LEGEND

EQUIPMENT CABLE

- FIBER PATCH CABLES Tx/Tx
- FIBER PATCH CABLES Tx/Rx CROSSOVER
- EXISTING FIBER PATCH CABLES
- CAT 5E CABLE
- OUTDOOR CAT 5E CABLE

INTERCONNECT CABLE

- 288 STRAND SMF CABLE
- 144 STRAND SMF CABLE
- COLUMBUS FIBERNET SMF CABLE
- CITYNET SMF CABLE
- D.O.T. SMF CABLE

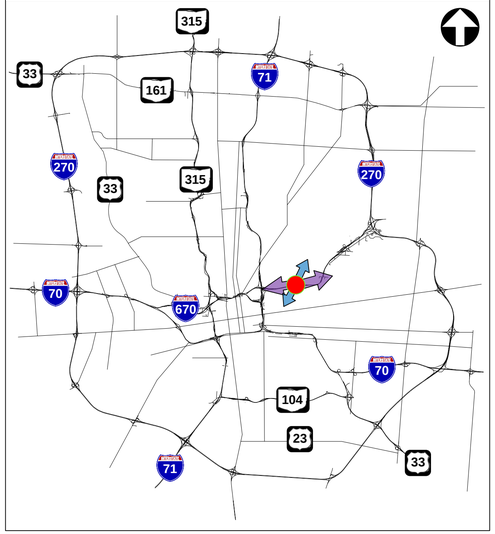
FIBER SPLICING (DARK/LIGHT – PROPOSED/EXISTING)

- FUSION SPLICE – 12 FIBER BUFFER TUBE
- FUSION SPLICE – PARTIAL BUFFER TUBE
- FUSION SPLICE – SINGLE FIBER
- COILED FIBER OR BUFFER TUBE
- # - # SWITCH # - PORT #

EQUIPMENT AND TERMINATION CABINET

- LH / ZX — GBIC OPTICAL TRANSCEIVER; LH - SHORT HAUL; ZX – LONG HAUL
- 8P8C CONNECTOR
- EMPTY SFP MODULE BAY
- LC TERMINATION – SINGLE FIBER
- TERMINATION PANEL UPC (Blue)/APC (Green)
- WIRELESS ETHERNET RADIO

KEY PLAN



NOTES

INACTIVE FIBERS, AND PATCH PANEL CONNECTIONS ARE NOT SHOWN ON THIS SHEET FOR CLARITY. PROPOSED PATCHING IS SHOWN IN COLOR IN THE DIAGRAM ABOVE.

COMMUNICATION NODE 670006.5

REFER TO SHEET 471 FOR COMM OVERVIEW DETAILS

CIP: 540007 – 100012
PID NUMBER: 99733

EXISTING COMMUNICATION NODE# 670006.5: I-670 AT LEONARD AVE.
COMMUNICATIONS DIAGRAM

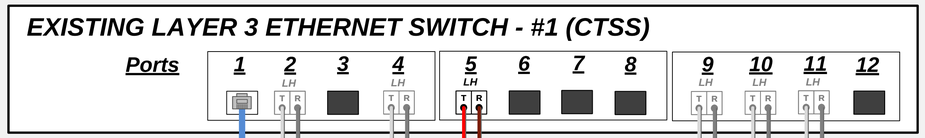
CITY OF COLUMBUS TRAFFIC SIGNAL SYSTEM
(CTSS) PHASE F – FINAL SUBMITTAL

714
768

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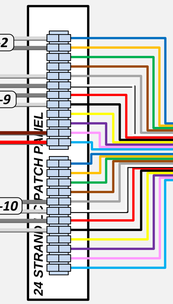
EXISTING COMMUNICATION NODE EQUIPMENT CABINET (#2)

EXISTING LAYER 3 ETHERNET SWITCH - #1 (CTSS)

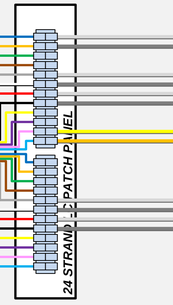


TO: CONTROL EQUIPMENT MONITOR

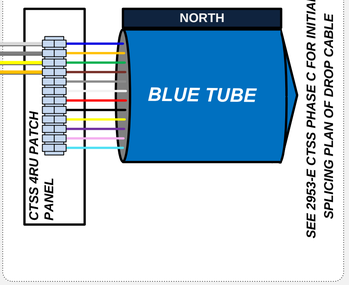
SWITCH	PORT	STATUS	DESTINATION	SHEET NO
1	2	EXISTING	EXISTING COMMUNICATION NODE# 315001.3: SR-315 AT US-33/DUBLIN RD. (ROUTED)	731
1	4	EXISTING	EXISTING COMMUNICATION NODE# 070096.0: I-70 AT I-270 (TRUNK)	
1	**5**	**PROPOSED**	**INT# 4274: LAKE SHORE DR. AT TRABUE RD.**	**618**
1	9	EXISTING	INT# 4129: I-670 WB RAMPS AT RIVERSIDE DR.	
1	10	EXISTING	EXISTING COMMUNICATION NODE# 070094.1 I-70 AT WILSON RD. (TRUNK)	
1	11	EXISTING	EXISTING COMMUNICATION NODE# 070094.1 I-70 AT WILSON RD. (ROUTED)	



24SMF DROP CABLE

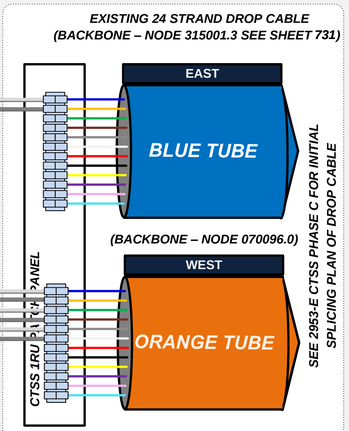


EXISTING 144 STRAND DROP CABLE
(TRUNK – RIVERSIDE DR.)



SEE 2953-E CTSS PHASE C FOR INITIAL SPLICING PLAN OF DROP CABLE

EXISTING 24 STRAND DROP CABLE
(BACKBONE – NODE 315001.3 SEE SHEET 731)



SEE 2953-E CTSS PHASE C FOR INITIAL SPLICING PLAN OF DROP CABLE

COMMUNICATION NODE FIBER TERMINATION CABINET (#1)

LEGEND

EQUIPMENT CABLE

- FIBER PATCH CABLES Tx/Tx
- FIBER PATCH CABLES Tx/Rx CROSSOVER
- EXISTING FIBER PATCH CABLES
- CAT 5E CABLE
- OUTDOOR CAT 5E CABLE

INTERCONNECT CABLE

- 288 STRAND SMF CABLE
- 144 STRAND SMF CABLE
- COLUMBUS FIBERNET SMF CABLE
- CITYNET SMF CABLE
- D.O.T. SMF CABLE

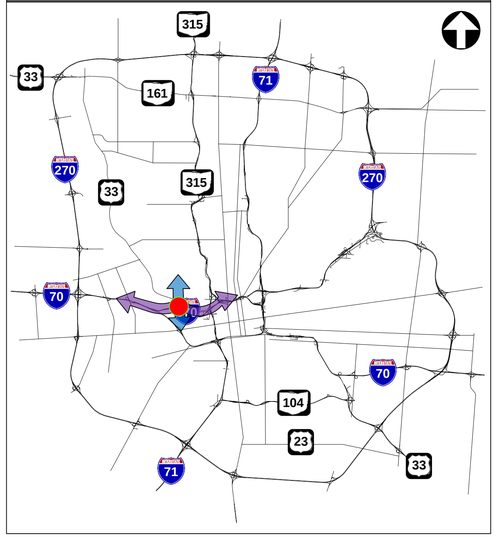
FIBER SPLICING (DARK/LIGHT – PROPOSED/EXISTING)

- FUSION SPLICE – 12 FIBER BUFFER TUBE
- FUSION SPLICE – PARTIAL BUFFER TUBE
- FUSION SPLICE – SINGLE FIBER
- COILED FIBER OR BUFFER TUBE
- # - # SWITCH # - PORT #

EQUIPMENT AND TERMINATION CABINET

- LH / ZX — GBIC OPTICAL TRANSCEIVER; LH - SHORT HAUL; ZX – LONG HAUL
- 8P8C CONNECTOR
- EMPTY SFP MODULE BAY
- LC TERMINATION – SINGLE FIBER
- TERMINATION PANEL UPC (Blue)/APC (Green)
- WIRELESS ETHERNET RADIO

KEY PLAN



NOTES

INACTIVE FIBERS, AND PATCH PANEL CONNECTIONS ARE NOT SHOWN ON THIS SHEET FOR CLARITY. PROPOSED PATCHING IS SHOWN IN COLOR IN THE DIAGRAM ABOVE.

COMMUNICATION NODE 670001.4

REFER TO SHEET 472 FOR COMM OVERVIEW DETAILS

CIP: 540007 – 100012
PID NUMBER: 99733

EXISTING COMMUNICATION NODE# 670001.4: GRANDVIEW AVE. AT I-670
COMMUNICATIONS DIAGRAM

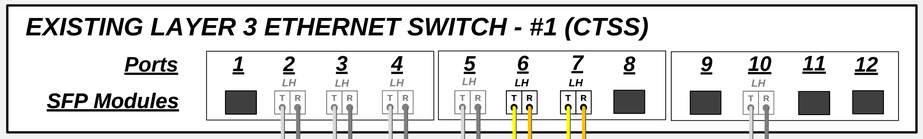
CITY OF COLUMBUS TRAFFIC SIGNAL SYSTEM
(CTSS) PHASE F – FINAL SUBMITTAL

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EXISTING COMMUNICATION NODE EQUIPMENT CABINET (#2)

EXISTING LAYER 3 ETHERNET SWITCH - #1 (CTSS)



SWITCH	PORT	STATUS	DESTINATION	SHEET NO
1	2	EXISTING	EXISTING COMMUNICATION NODE# 070107.6: I-70 AT HAMILTON RD. (ROUTED)	
1	3	EXISTING	EXISTING COMMUNICATION NODE# 070107.6: I-70 AT HAMILTON RD. (TRUNK)	
1	4	EXISTING	EXISTING COMMUNICATION NODE# 070103.1: I-70 AT LIVINGSTON AVE. (ROUTED)	
1	5	EXISTING	EXISTING COMMUNICATION NODE# 070103.1: I-70 AT LIVINGSTON AVE. (TRUNK)	
1	**6**	**PROPOSED**	**PROPOSED COMMUNICATION NODE# 104095.0: REFUGEE RD. AT US-33 (ROUTED)**	**720**
1	**7**	**PROPOSED**	**PROPOSED COMMUNICATION NODE# 104095.0: REFUGEE RD. AT US-33 (TRUNK)**	**720**
1	10	EXISTING	INT# 2193: I-70 EB RAMPS AT JAMES RD.	

LEGEND

EQUIPMENT CABLE

- FIBER PATCH CABLES Tx/Tx
- FIBER PATCH CABLES Tx/Rx CROSSOVER
- EXISTING FIBER PATCH CABLES
- CAT 5E CABLE
- OUTDOOR CAT 5E CABLE

INTERCONNECT CABLE

- 288 STRAND SMF CABLE
- 144 STRAND SMF CABLE
- COLUMBUS FIBERNET SMF CABLE
- CITYNET SMF CABLE
- D.O.T. SMF CABLE

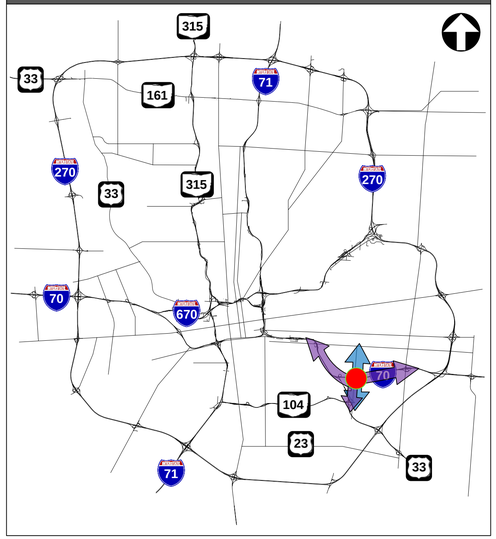
FIBER SPLICING (DARK/LIGHT – PROPOSED/EXISTING)

- FUSION SPLICE – 12 FIBER BUFFER TUBE
- FUSION SPLICE – PARTIAL BUFFER TUBE
- FUSION SPLICE – SINGLE FIBER
- COILED FIBER OR BUFFER TUBE
- # - # SWITCH # - PORT #

EQUIPMENT AND TERMINATION CABINET

- LH / ZX GBIC OPTICAL TRANSCEIVER — LH - SHORT HAUL, ZX – LONG HAUL
- 8P8C CONNECTOR
- EMPTY SFP MODULE BAY
- LC TERMINATION – SINGLE FIBER
- TERMINATION PANEL — UPC (Blue)/APC (Green)
- WIRELESS ETHERNET RADIO

KEY PLAN



COMMUNICATION NODE FIBER TERMINATION CABINET (#1)

MATCHLINE A - SEE SHEET 718

NOTES

[2] PATCH PANEL DROP CABLES SHALL BE FACTORY PRE-TERMINATED AND OF SUFFICIENT LENGTH TO REACH ADJACENT UNDERGROUND OR OVERHEAD SPLICE ENCLOSURE

DoT TERMINATION PANELS SHOWN ON SHEET **717**

COMMUNICATION NODE 070105.5

REFER TO SHEET 356 FOR CONSTRUCTION PLAN DETAILS
REFER TO SHEET 477 FOR COMM OVERVIEW DETAILS

CIP: 540007 – 100012
PID NUMBER: 99733

EXISTING COMMUNICATION NODE# 070105.5: I-70 AT JAMES RD.
COMMUNICATIONS DIAGRAM

CITY OF COLUMBUS TRAFFIC SIGNAL SYSTEM
(CTSS) PHASE F – FINAL SUBMITTAL

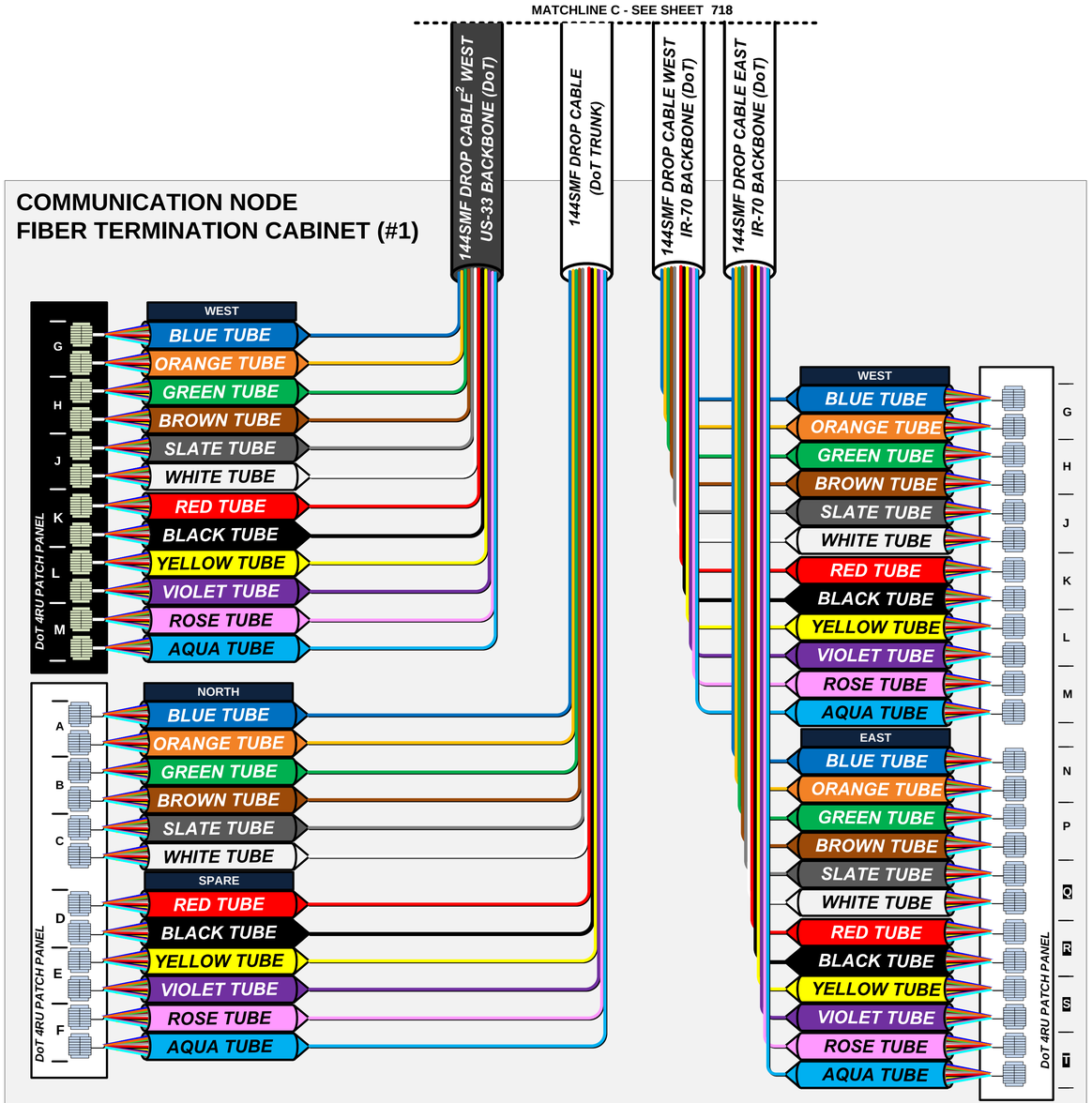
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MATCHLINE C - SEE SHEET 718

COMMUNICATION NODE
FIBER TERMINATION CABINET (#1)



LEGEND

EQUIPMENT CABLE

- FIBER PATCH CABLES Tx/Tx
- FIBER PATCH CABLES Tx/Rx CROSSOVER
- EXISTING FIBER PATCH CABLES
- CAT 5E CABLE
- OUTDOOR CAT 5E CABLE

INTERCONNECT CABLE

- 288 STRAND SMF CABLE
- 144 STRAND SMF CABLE
- COLUMBUS FIBERNET SMF CABLE
- CITYNET SMF CABLE
- D.O.T. SMF CABLE

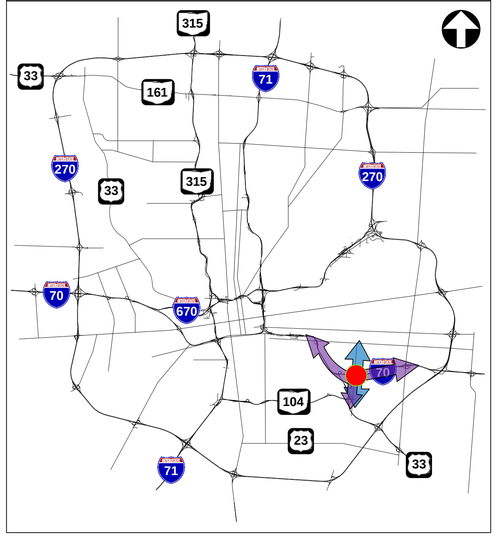
FIBER SPLICING (DARK/LIGHT – PROPOSED/EXISTING)

- FUSION SPLICE – 12 FIBER BUFFER TUBE
- FUSION SPLICE – PARTIAL BUFFER TUBE
- FUSION SPLICE – SINGLE FIBER
- COILED FIBER OR BUFFER TUBE
- # - # SWITCH # - PORT #

EQUIPMENT AND TERMINATION CABINET

- LH ZX — GBIC OPTICAL TRANSCEIVER; LH - SHORT HAUL; ZX – LONG HAUL
- 8P8C CONNECTOR
- EMPTY SFP MODULE BAY
- LC TERMINATION – SINGLE FIBER
- TERMINATION PANEL UPC (Blue)/APC (Green)
- WIRELESS ETHERNET RADIO

KEY PLAN



NOTES

[2] PATCH PANEL DROP CABLES SHALL BE FACTORY PRE-TERMINATED AND OF SUFFICIENT LENGTH TO REACH ADJACENT UNDERGROUND OR OVERHEAD ENCLOSURE SPLICE LOCATION.

CTSS TERMINATION PANELS SHOWN ON SHEET **716**

COMMUNICATION NODE 070105.5

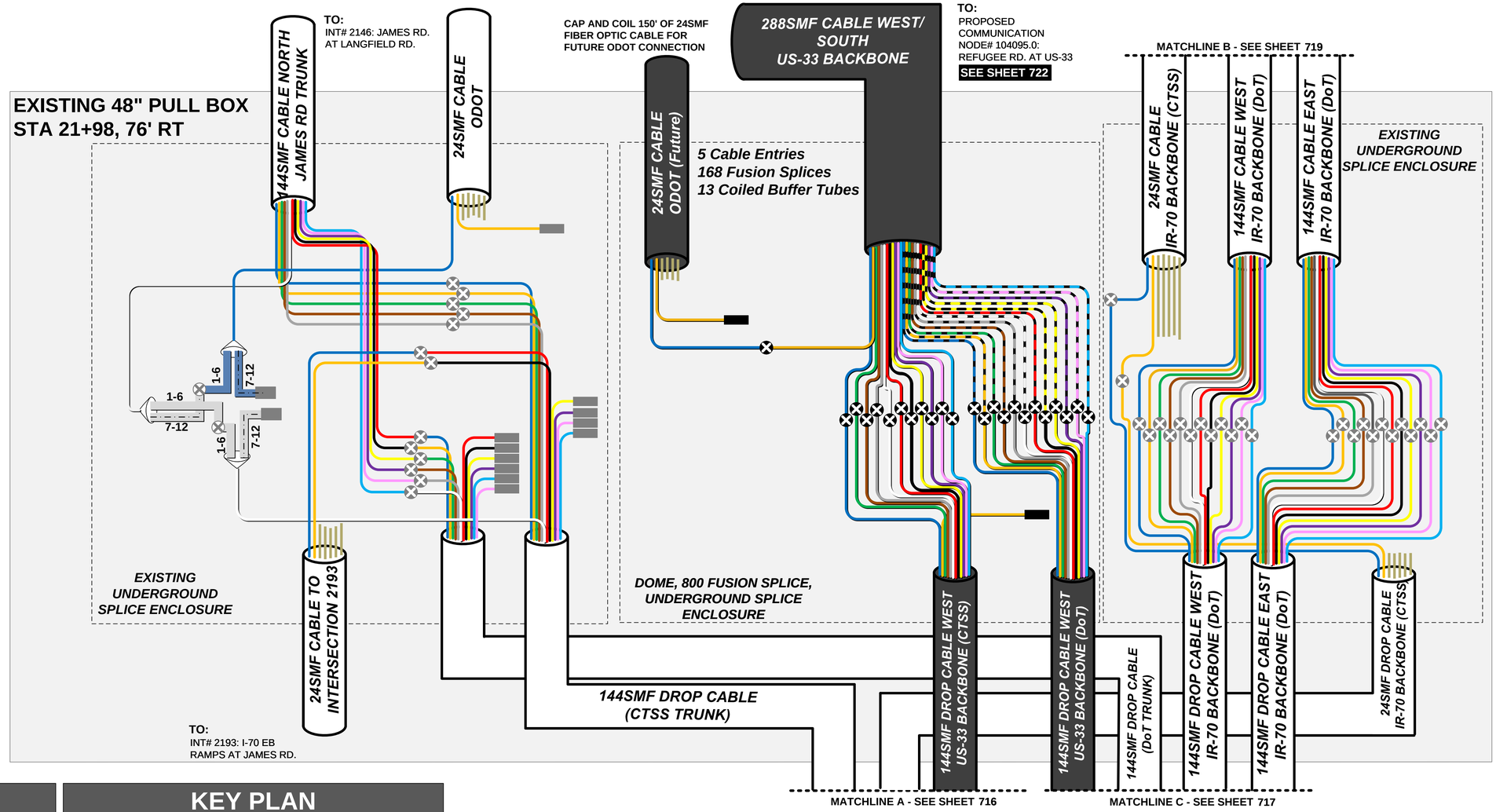
REFER TO SHEET 356 FOR CONSTRUCTION PLAN DETAILS
REFER TO SHEET 477 FOR COMM OVERVIEW DETAILS

CIP: 540007 – 100012
PID NUMBER: 99733

EXISTING COMMUNICATION NODE# 070105.5: I-70 AT JAMES RD.
COMMUNICATIONS DIAGRAM

CITY OF COLUMBUS TRAFFIC SIGNAL SYSTEM
(CTSS) PHASE F – FINAL SUBMITTAL

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LEGEND

EQUIPMENT CABLE

- FIBER PATCH CABLES Tx/Tx
- FIBER PATCH CABLES Tx/Rx CROSSOVER
- EXISTING FIBER PATCH CABLES
- CAT 5E CABLE
- OUTDOOR CAT 5E CABLE

INTERCONNECT CABLE

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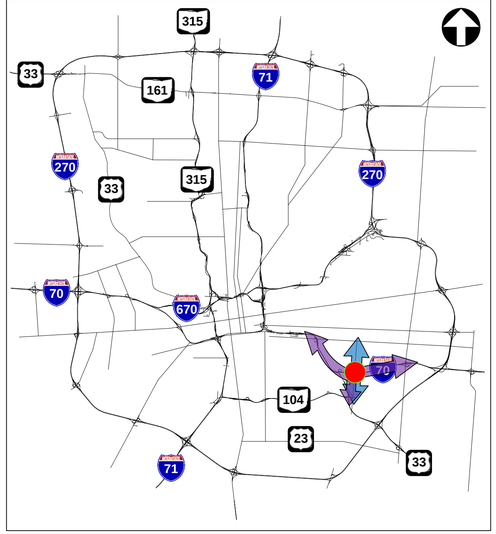
FIBER SPLICING (DARK/LIGHT – PROPOSED/EXISTING)

- FUSION SPLICE – 12 FIBER BUFFER TUBE
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- FUSION SPLICE – SINGLE FIBER
- COILED FIBER OR BUFFER TUBE
- # - # SWITCH # - PORT #

EQUIPMENT AND TERMINATION CABINET

- LH ZX — GBIC OPTICAL TRANSCEIVER; LH - SHORT HAUL; ZX – LONG HAUL
- 8P8C CONNECTOR
- EMPTY SFP MODULE BAY
- LC TERMINATION – SINGLE FIBER
- TERMINATION PANEL; UPC (Blue)/APC (Green)
- WIRELESS ETHERNET RADIO

KEY PLAN



NOTES

ENCLOSURES SHOWN ON SHEETS 766-767
ARE LOCATED WITHIN PULLBOX AT
STATION 21+98, 76' RT

COMMUNICATION NODE 070105.5

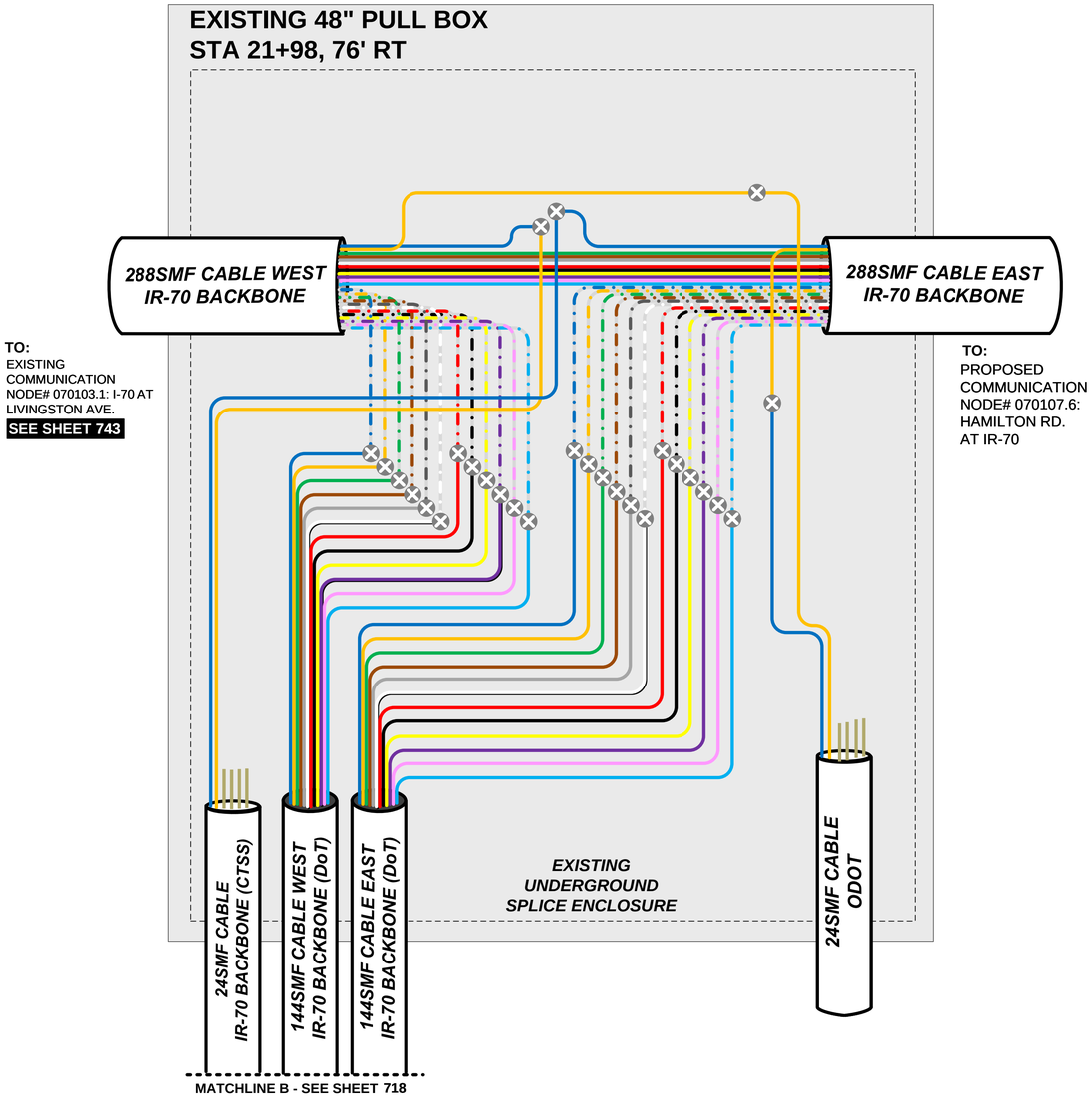
REFER TO SHEET 356 FOR CONSTRUCTION PLAN DETAILS
REFER TO SHEET 477 FOR COMM OVERVIEW DETAILS

CIP: 540007 – 100012
PID NUMBER: 99733

EXISTING COMMUNICATION NODE# 070105.5: I-70 AT JAMES RD.
FIBER OPTIC SPLICING DIAGRAM

CITY OF COLUMBUS TRAFFIC SIGNAL SYSTEM
(CTSS) PHASE F – FINAL SUBMITTAL

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LEGEND

EQUIPMENT CABLE

- FIBER PATCH CABLES Tx/Tx
- FIBER PATCH CABLES Tx/Rx CROSSOVER
- EXISTING FIBER PATCH CABLES
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INTERCONNECT CABLE

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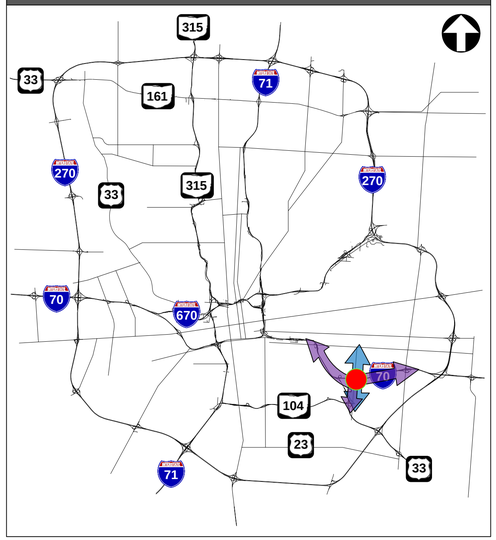
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- COILED FIBER OR BUFFER TUBE
- # - # SWITCH # - PORT #

EQUIPMENT AND TERMINATION CABINET

- LH ZX GBIC OPTICAL TRANSCEIVER
  LH - SHORT HAUL
  ZX – LONG HAUL
- 8P8C CONNECTOR
- EMPTY SFP MODULE BAY
- LC TERMINATION – SINGLE FIBER
- TERMINATION PANEL
  UPC (Blue)/APC (Green)
- WIRELESS ETHERNET RADIO

KEY PLAN



NOTES

ENCLOSURES SHOWN ON SHEETS 766-767
ARE LOCATED WITHIN PULLBOX AT
STATION 21+98, 76' RT

COMMUNICATION NODE 070105.5

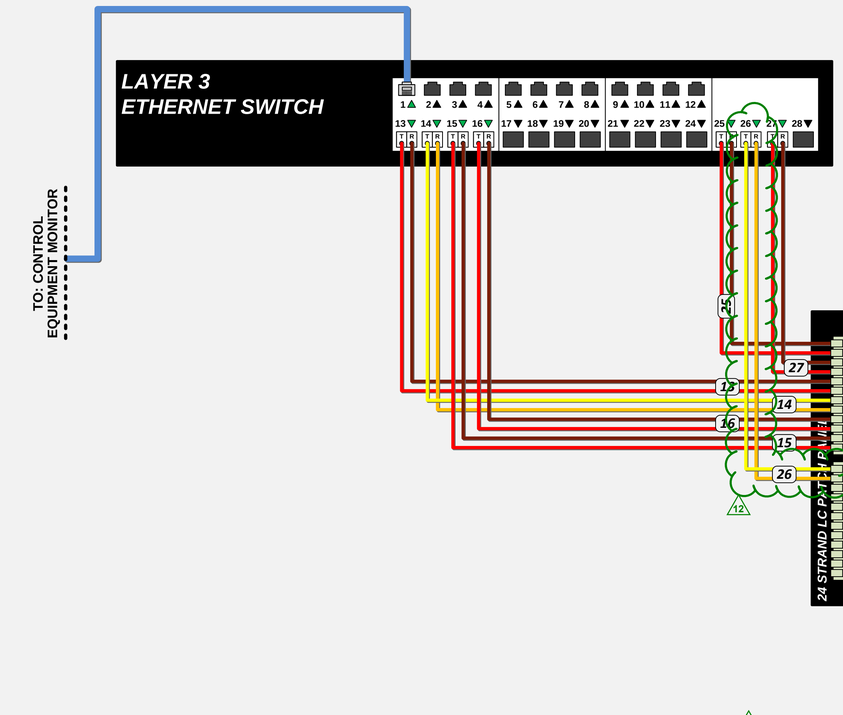
REFER TO SHEET 356 FOR CONSTRUCTION PLAN DETAILS
REFER TO SHEET 477 FOR COMM OVERVIEW DETAILS

CIP: 540007 – 100012
PID NUMBER: 99733

EXISTING COMMUNICATION NODE# 070105.5: I-70 AT JAMES RD.
FIBER OPTIC SPLICING DIAGRAM

CITY OF COLUMBUS TRAFFIC SIGNAL SYSTEM
(CTSS) PHASE F – FINAL SUBMITTAL

COMMUNICATION NODE EQUIPMENT CABINET (#2)



SWITCH	PORT	STATUS	DESTINATION	SHEET NO
1	13	PROPOSED	INT# 2184: SR-104/ REFUGEE RD. AT US-33 RAMPS	635
1	14	PROPOSED	INT# 2218: ALUM CREEK DR. AT WATKINS RD.	638
1	15	PROPOSED	INT# 2139: COLLEGE AVE. AT PETZINGER RD.	633
1	16	PROPOSED	INT# 2204: ALUM CREEK DR. AT PERFORMANCE WAY	636
1	25	PROPOSED	EXISTING COMMUNICATION NODE# 070105.5: I-70 AT JAMES RD. (ROUTED)	716
1	26	PROPOSED	EXISTING COMMUNICATION NODE# 270045.5: I-270 AT HAMILTON RD. (TRUNK)	747H
1	27	PROPOSED	EXISTING COMMUNICATION NODE# 070105.5: I-70 AT JAMES RD. (TRUNK)	716

12

LEGEND

EQUIPMENT CABLE

- FIBER PATCH CABLES Tx/Tx
- FIBER PATCH CABLES Tx/Rx CROSSOVER
- EXISTING FIBER PATCH CABLES
- CAT 5E CABLE
- OUTDOOR CAT 5E CABLE

INTERCONNECT CABLE

- 288 STRAND SMF CABLE
- 144 STRAND SMF CABLE
- COLUMBUS FIBERNET SMF CABLE
- CITYNET SMF CABLE
- D.O.T. SMF CABLE

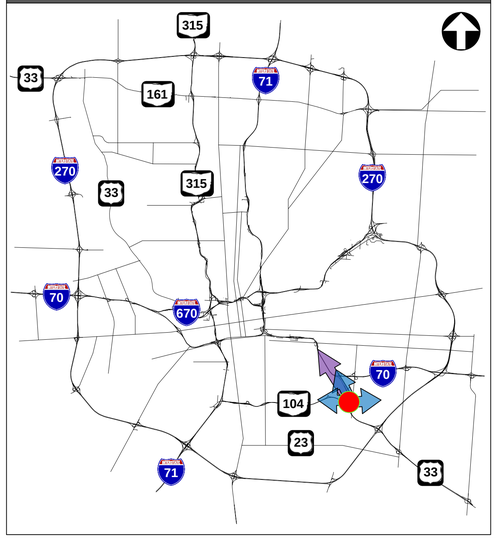
FIBER SPLICING (DARK/LIGHT – PROPOSED/EXISTING)

- FUSION SPLICE – 12 FIBER BUFFER TUBE
- FUSION SPLICE – PARTIAL BUFFER TUBE
- FUSION SPLICE – SINGLE FIBER
- COILED FIBER OR BUFFER TUBE
- # - # SWITCH # - PORT #

EQUIPMENT AND TERMINATION CABINET

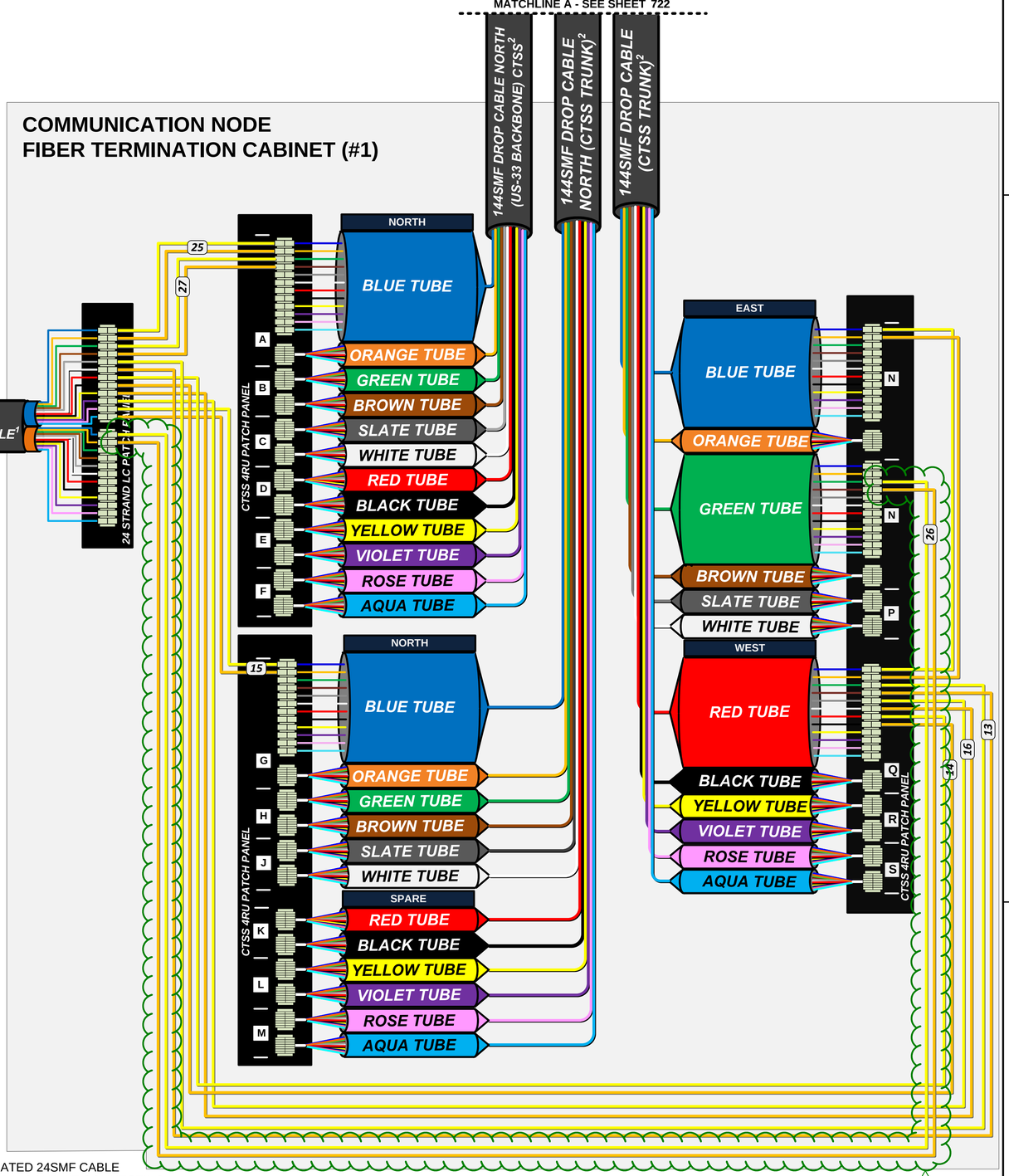
- LH / ZX — GBIC OPTICAL TRANSCEIVER; LH - SHORT HAUL; ZX – LONG HAUL
- 8P8C CONNECTOR
- EMPTY SFP MODULE BAY
- LC TERMINATION – SINGLE FIBER
- TERMINATION PANEL; UPC (Blue)/APC (Green)
- WIRELESS ETHERNET RADIO

KEY PLAN



MATCHLINE A - SEE SHEET 722

COMMUNICATION NODE FIBER TERMINATION CABINET (#1)



NOTES

[1] PRE-TERMINATED 24SMF CABLE INSTALLED IN 4" CONDUIT CONNECTING CABINETS.

[2] PATCH PANEL DROP CABLES SHALL BE FACTORY PRE-TERMINATED AND OF SUFFICIENT LENGTH TO REACH ADJACENT UNDERGROUND OR OVERHEAD ENCLOSURE SPLICE LOCATION.

DoT TERMINATION PANELS SHOWN ON SHEET **721**

12 DRAFT REVISION 12.0

COMMUNICATION NODE 104095.0

REFER TO SHEET 415 FOR CONSTRUCTION PLAN DETAILS
REFER TO SHEET 477 FOR COMM OVERVIEW DETAILS

CIP: 540007 – 100060
PID NUMBER: 110521

PROPOSED COMMUNICATION NODE# 104095.0: REFUGEE RD. AT US-33
COMMUNICATIONS DIAGRAM

CITY OF COLUMBUS TRAFFIC SIGNAL SYSTEM
(CTSS) PHASE F – FINAL SUBMITTAL

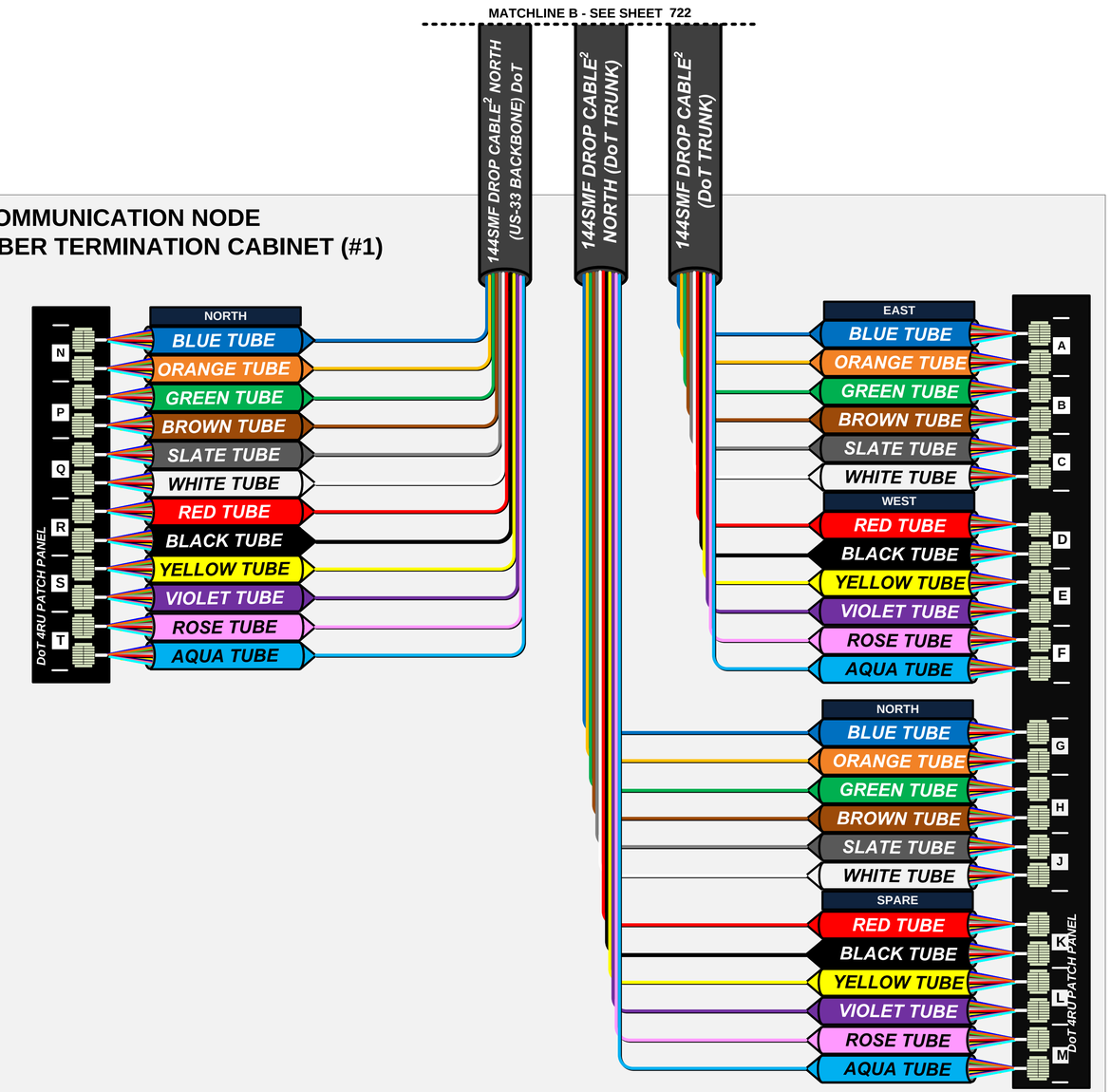
720
768

J:\Jobs\70202 - CTSS Phase F\TECHPROD\Communications\Nodes\Phase F comm nodes.vsd - 104095.0 layout ~ 9/3/2024 1:18:05 PM ~ printed: 9/3/2024 1:18:05 PM

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MATCHLINE B - SEE SHEET 722

COMMUNICATION NODE
FIBER TERMINATION CABINET (#1)



LEGEND

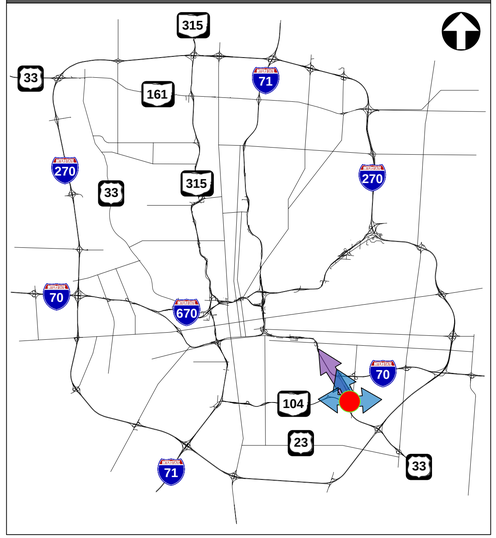
EQUIPMENT CABLE
- FIBER PATCH CABLES Tx/Tx
- FIBER PATCH CABLES Tx/Rx CROSSOVER
- EXISTING FIBER PATCH CABLES
- CAT 5E CABLE
- OUTDOOR CAT 5E CABLE

INTERCONNECT CABLE
- 288 STRAND SMF CABLE
- 144 STRAND SMF CABLE
- COLUMBUS FIBERNET SMF CABLE
- CITYNET SMF CABLE
- D.O.T. SMF CABLE

FIBER SPLICING (DARK/LIGHT – PROPOSED/EXISTING)
- FUSION SPLICE – 12 FIBER BUFFER TUBE
- FUSION SPLICE – PARTIAL BUFFER TUBE
- FUSION SPLICE – SINGLE FIBER
- COILED FIBER OR BUFFER TUBE
- # - # SWITCH # - PORT #

EQUIPMENT AND TERMINATION CABINET
- LH ZX GBIC OPTICAL TRANSCEIVER LH - SHORT HAUL ZX – LONG HAUL
- 8P8C CONNECTOR
- EMPTY SFP MODULE BAY
- LC TERMINATION – SINGLE FIBER
- TERMINATION PANEL UPC (Blue)/APC (Green)
- WIRELESS ETHERNET RADIO

KEY PLAN



NOTES

CTSS TERMINATION PANELS SHOWN ON SHEET **720**

[2] PATCH PANEL DROP CABLES SHALL BE FACTORY PRE-TERMINATED AND OF SUFFICIENT LENGTH TO REACH ADJACENT UNDERGROUND OR OVERHEAD SPLICE ENCLOSURE LOCATION.

COMMUNICATION NODE 104095.0

REFER TO SHEET 415 FOR CONSTRUCTION PLAN DETAILS
REFER TO SHEET 477 FOR COMM OVERVIEW DETAILS

CIP: 540007 – 100012
PID NUMBER: 99733

PROPOSED COMMUNICATION NODE# 104095.0: REFUGEE RD. AT US-33
COMMUNICATIONS DIAGRAM

CITY OF COLUMBUS TRAFFIC SIGNAL SYSTEM
(CTSS) PHASE F – FINAL SUBMITTAL

\\colw00\PMWorkJobs\70202 - CTSS Phase F\TECHPROD\Communications\Nodes\Phase F comm nodes.vsd - 104095.0-3 layout - last saved by: Sai Geetha Koganti 7/14/2023 1:42:04 PM ~ printed: 7/14/2023 1:42:04 PM

CAP AND COIL 150' OF 24SMF FIBER OPTIC CABLE FOR FUTURE ODOT CONNECTION

24SMF CABLE ODOT (Future)

288SMF CABLE NORTH/ EAST US-33 BACKBONE

TO: EXISTING COMMUNICATION NODE# 070105.5: I-70 AT JAMES RD.
SEE SHEET 718

4 Cable Entries
288 Fusion Splices
2 Coiled Buffer Tubes

DOME, 800 FUSION SPLICE, UNDERGROUND SPLICE ENCLOSURE

EXISTING 48" PULL BOX

8 Cable Entries
432 Fusion Splices
16 Coiled Buffer Tubes

CAP AND COIL 150' OF 24SMF FIBER OPTIC CABLE FOR FUTURE ODOT CONNECTION

24SMF CABLE ODOT (Future)

1-6 7-12

144SMF CABLE NORTH COLLEGE AVE TRUNK

TO: INT# 2139: COLLEGE AVE. AT PETZINGER RD.
SEE SHEET 633

3

144SMF CABLE WEST REFUGEE RD TRUNK

TO: INT# 2184: SR-104/ REFUGEE RD. AT US-33 RAMPS
SEE SHEET 635

144SMF DROP CABLE NORTH (US-33 BACKBONE) CTSS

144SMF DROP CABLE NORTH (US-33 BACKBONE) DoT

DOME, 800 FUSION SPLICE, UNDERGROUND SPLICE ENCLOSURE

144SMF DROP CABLE NORTH (CTSS TRUNK)

144SMF DROP CABLE (CTSS TRUNK)

144SMF CABLE EAST REFUGEE RD TRUNK

144SMF DROP CABLE NORTH (DoT TRUNK)

144SMF DROP CABLE (DoT TRUNK)

MATCHLINE A - SEE SHEET 720

MATCHLINE B - SEE SHEET 721

TO: INT# 2140: REFUGEE RD. AT WINCHESTER PKE.
SEE SHEET 634

LEGEND

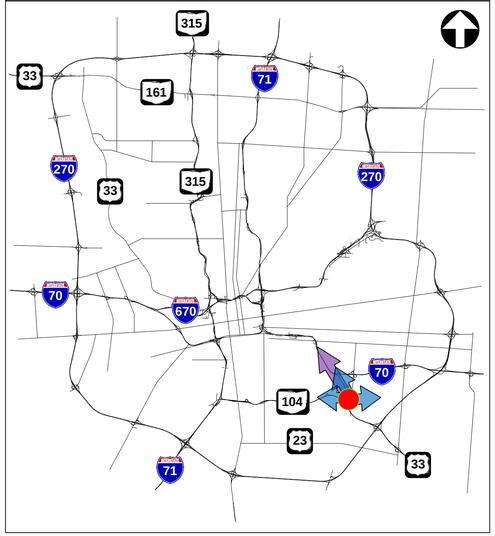
EQUIPMENT CABLE
- FIBER PATCH CABLES Tx/Tx
- FIBER PATCH CABLES Tx/Rx CROSSOVER
- EXISTING FIBER PATCH CABLES
- CAT 5E CABLE
- OUTDOOR CAT 5E CABLE

INTERCONNECT CABLE
- 288 STRAND SMF CABLE
- 144 STRAND SMF CABLE
- COLUMBUS FIBERNET SMF CABLE
- CITYNET SMF CABLE
- D.O.T. SMF CABLE

FIBER SPLICING (DARK/LIGHT – PROPOSED/EXISTING)
- FUSION SPLICE – 12 FIBER BUFFER TUBE
- FUSION SPLICE – PARTIAL BUFFER TUBE
- FUSION SPLICE – SINGLE FIBER
- COILED FIBER OR BUFFER TUBE
- # - # SWITCH # - PORT #

EQUIPMENT AND TERMINATION CABINET
- LH / ZX GBIC OPTICAL TRANSCEIVER; LH - SHORT HAUL; ZX – LONG HAUL
- 8P8C CONNECTOR
- EMPTY SFP MODULE BAY
- LC TERMINATION – SINGLE FIBER
- TERMINATION PANEL UPC (Blue)/APC (Green)
- WIRELESS ETHERNET RADIO

KEY PLAN



3 DRAFT REVISION 3.0

COMMUNICATION NODE 104095.0

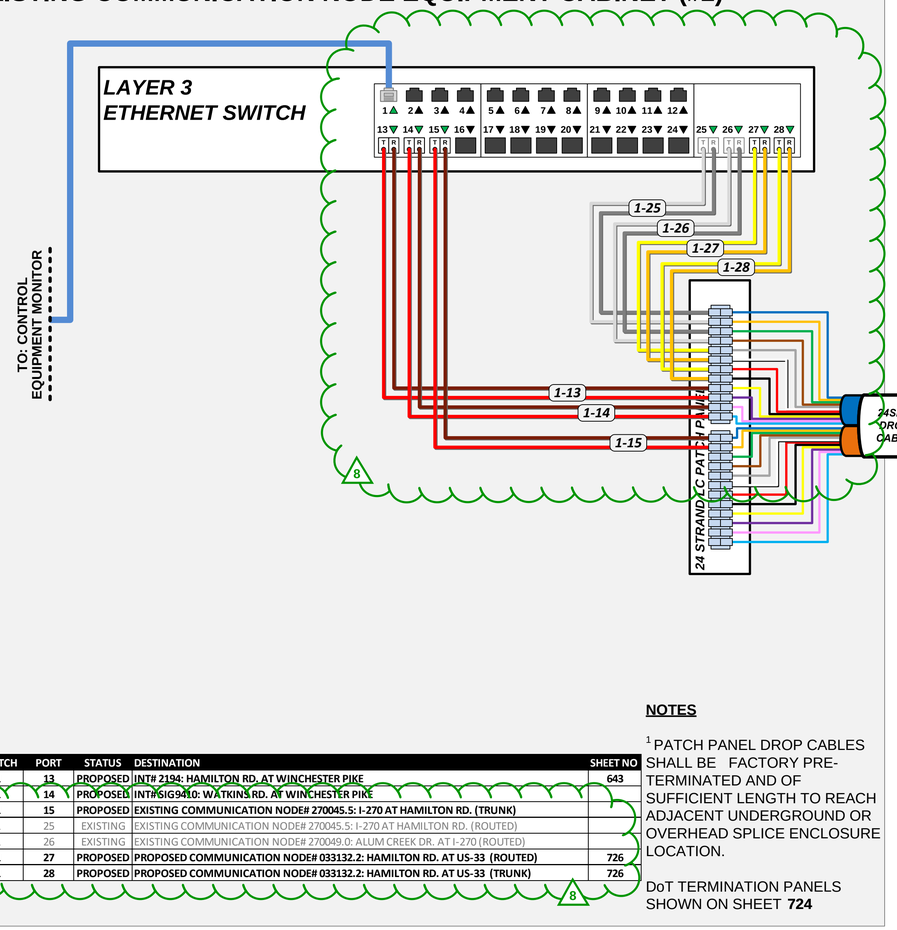
REFER TO SHEET 415 FOR CONSTRUCTION PLAN DETAILS
REFER TO SHEET 477 FOR COMM OVERVIEW DETAILS

CIP: 540007 – 100012
PID NUMBER: 99733

PROPOSED COMMUNICATION NODE# 104095.0: REFUGEE RD. AT US-33
FIBER OPTIC SPLICING DIAGRAM

CITY OF COLUMBUS TRAFFIC SIGNAL SYSTEM
(CTSS) PHASE F – FINAL SUBMITTAL

EXISTING COMMUNICATION NODE EQUIPMENT CABINET (#2)



SWITCH	PORT	STATUS	DESTINATION	SHEET NO
1	13	PROPOSED	INT# 2194: HAMILTON RD. AT WINCHESTER PIKE	643
1	14	PROPOSED	INT#SIG9410: WATKINS RD. AT WINCHESTER PIKE	
1	15	PROPOSED	EXISTING COMMUNICATION NODE# 270045.5: I-270 AT HAMILTON RD. (TRUNK)	
1	25	EXISTING	EXISTING COMMUNICATION NODE# 270045.5: I-270 AT HAMILTON RD. (ROUTED)	
1	26	EXISTING	EXISTING COMMUNICATION NODE# 270049.0: ALUM CREEK DR. AT I-270 (ROUTED)	
1	27	PROPOSED	PROPOSED COMMUNICATION NODE# 033132.2: HAMILTON RD. AT US-33 (ROUTED)	726
1	28	PROPOSED	PROPOSED COMMUNICATION NODE# 033132.2: HAMILTON RD. AT US-33 (TRUNK)	726

8

NOTES

[1] PATCH PANEL DROP CABLES SHALL BE FACTORY PRE-TERMINATED AND OF SUFFICIENT LENGTH TO REACH ADJACENT UNDERGROUND OR OVERHEAD SPLICE ENCLOSURE LOCATION.

DoT TERMINATION PANELS SHOWN ON SHEET **724**

LEGEND

EQUIPMENT CABLE

- FIBER PATCH CABLES Tx/Tx
- FIBER PATCH CABLES Tx/Rx CROSSOVER
- EXISTING FIBER PATCH CABLES
- CAT 5E CABLE
- OUTDOOR CAT 5E CABLE

INTERCONNECT CABLE

- 288 STRAND SMF CABLE
- 144 STRAND SMF CABLE
- COLUMBUS FIBERNET SMF CABLE
- CITYNET SMF CABLE
- D.O.T. SMF CABLE

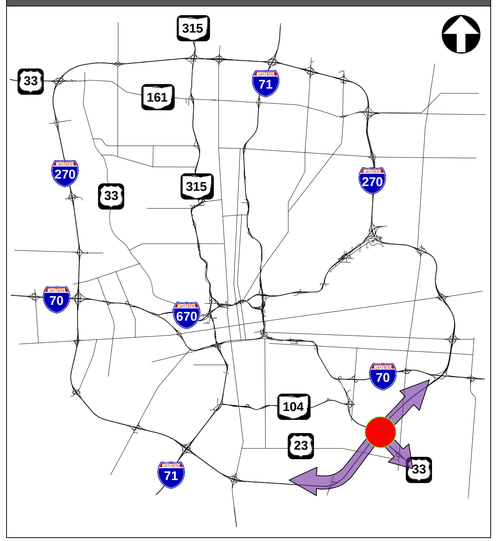
FIBER SPLICING (DARK/LIGHT – PROPOSED/EXISTING)

- FUSION SPLICE – 12 FIBER BUFFER TUBE
- FUSION SPLICE – PARTIAL BUFFER TUBE
- FUSION SPLICE – SINGLE FIBER
- COILED FIBER OR BUFFER TUBE
- # - # SWITCH # - PORT #

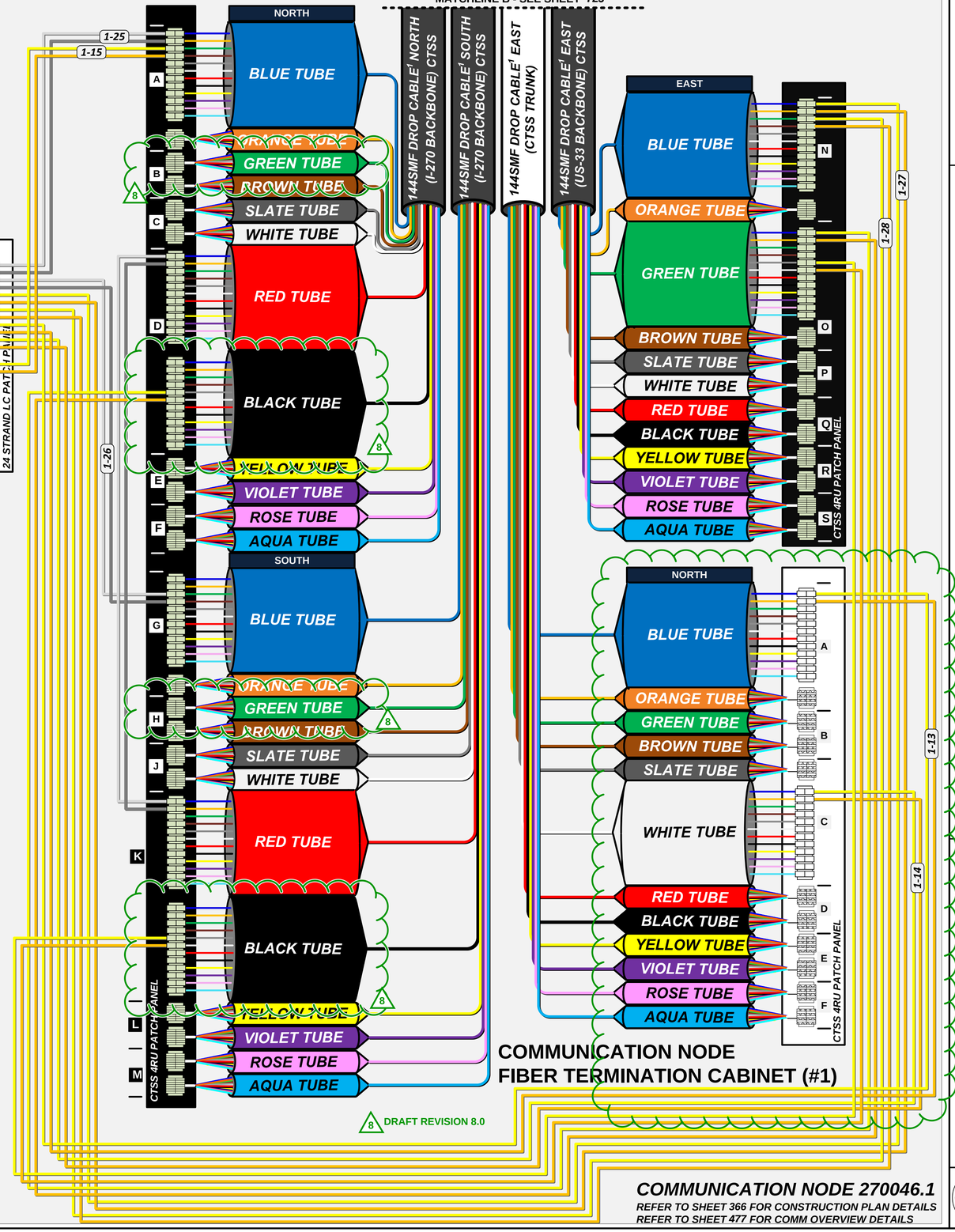
EQUIPMENT AND TERMINATION CABINET

- LH / ZX: GBIC OPTICAL TRANSCEIVER; LH - SHORT HAUL; ZX – LONG HAUL
- 8P8C CONNECTOR
- EMPTY SFP MODULE BAY
- LC TERMINATION – SINGLE FIBER
- TERMINATION PANEL; UPC (Blue)/APC (Green)
- WIRELESS ETHERNET RADIO

KEY PLAN



MATCHLINE B - SEE SHEET 725



COMMUNICATION NODE FIBER TERMINATION CABINET (#1)

8 DRAFT REVISION 8.0

COMMUNICATION NODE 270046.1

REFER TO SHEET 366 FOR CONSTRUCTION PLAN DETAILS
REFER TO SHEET 477 FOR COMM OVERVIEW DETAILS

CIP: 540007 – 100012
PID NUMBER: 99733

EXISTING COMMUNICATION NODE# 270046.1: I-270 AT US-33
COMMUNICATIONS DIAGRAM

CITY OF COLUMBUS TRAFFIC SIGNAL SYSTEM
(CTSS) PHASE F – FINAL SUBMITTAL

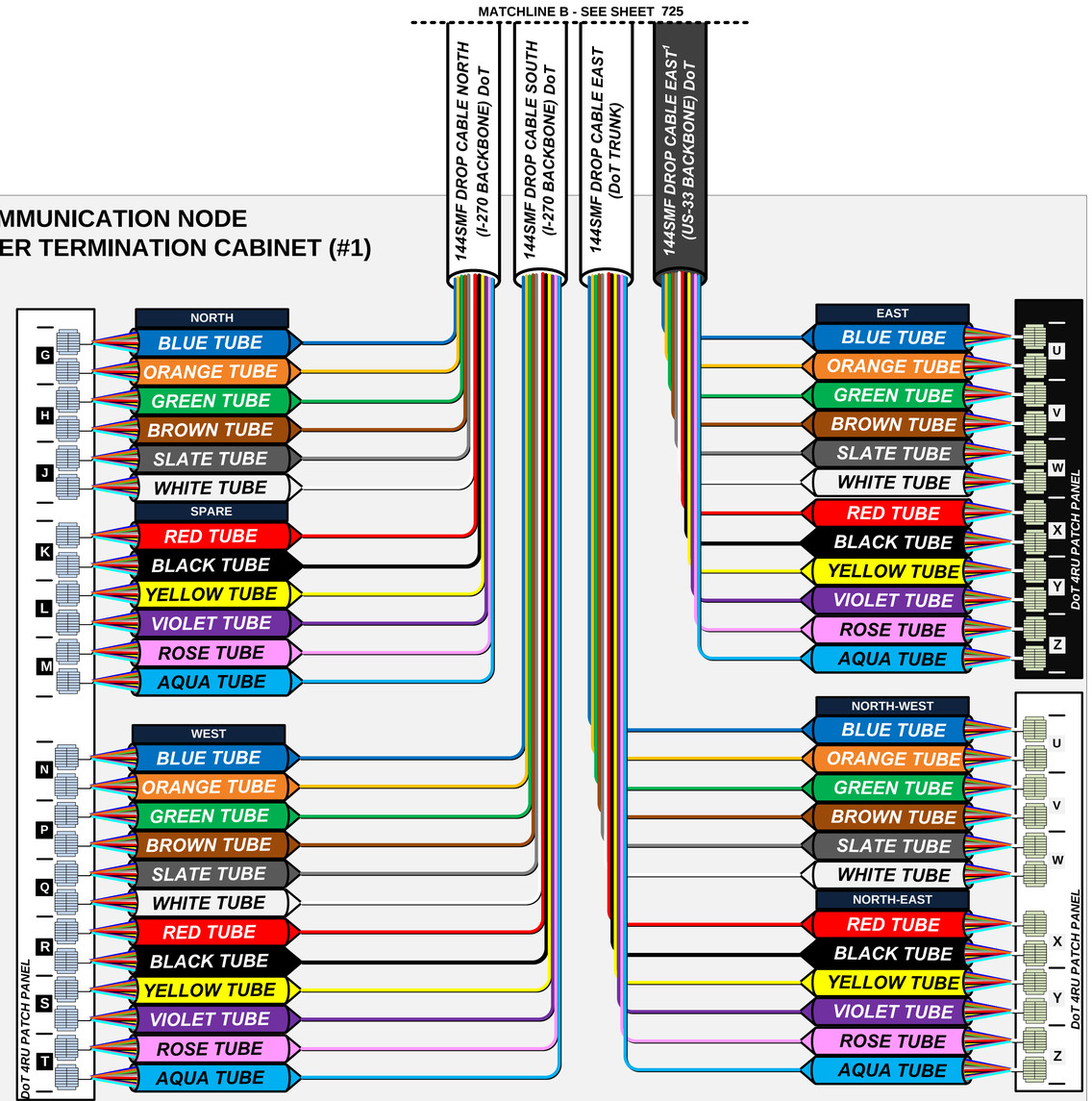
723
768

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MATCHLINE B - SEE SHEET 725

COMMUNICATION NODE
FIBER TERMINATION CABINET (#1)



LEGEND

EQUIPMENT CABLE

- FIBER PATCH CABLES Tx/Tx
- FIBER PATCH CABLES Tx/Rx CROSSOVER
- EXISTING FIBER PATCH CABLES
- CAT 5E CABLE
- OUTDOOR CAT 5E CABLE

INTERCONNECT CABLE

- 288 STRAND SMF CABLE
- 144 STRAND SMF CABLE
- COLUMBUS FIBERNET SMF CABLE
- CITYNET SMF CABLE
- D.O.T. SMF CABLE

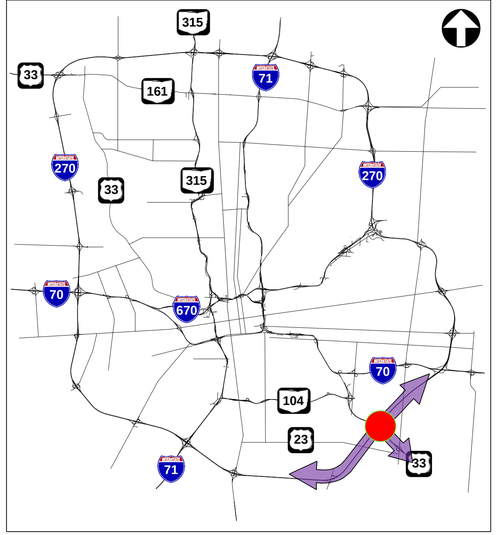
FIBER SPLICING (DARK/LIGHT – PROPOSED/EXISTING)

- FUSION SPLICE – 12 FIBER BUFFER TUBE
- FUSION SPLICE – PARTIAL BUFFER TUBE
- FUSION SPLICE – SINGLE FIBER
- COILED FIBER OR BUFFER TUBE
- # - # SWITCH # - PORT #

EQUIPMENT AND TERMINATION CABINET

- LH ZX GBIC OPTICAL TRANSCEIVER LH - SHORT HAUL ZX – LONG HAUL
- 8P8C CONNECTOR
- EMPTY SFP MODULE BAY
- LC TERMINATION – SINGLE FIBER
- TERMINATION PANEL UPC (Blue)/APC (Green)
- WIRELESS ETHERNET RADIO

KEY PLAN



NOTES

CTSS TERMINATION PANELS SHOWN ON SHEET **723**

[1] PATCH PANEL DROP CABLES SHALL BE FACTORY PRE-TERMINATED AND OF SUFFICIENT LENGTH TO REACH ADJACENT UNDERGROUND OR OVERHEAD SPLICE ENCLOSURE LOCATION.

COMMUNICATION NODE 270046.1

REFER TO SHEET 366 FOR CONSTRUCTION PLAN DETAILS
REFER TO SHEET 477 FOR COMM OVERVIEW DETAILS

CIP: 540007 – 100012
PID NUMBER: 99733

COMMUNICATION NODE# 270046.1: I-270 AT US-33
COMMUNICATIONS DIAGRAM

EXISTING COMMU

CITY OF COLUMBUS TRAFFIC SIGNAL SYSTEM
(CTSS) PHASE F – FINAL SUBMITTAL

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TO CTSS FIBER:
SPLICE-08: IR-270 AT
WINCHESTER PIKE

TO DoT FIBER:
SPLICE-08: IR-270 AT
WINCHESTER PIKE

CAP AND COIL 150' OF 24SMF FIBER OPTIC CABLE FOR FUTURE ODOT CONNECTION

24SMF CABLE ODOT (Future)

144SMF CABLE EAST WINCHESTER PIKE (CTSS)

144SMF CABLE EAST WINCHESTER PIKE (DoT)

5 Cable Entries
288 Fusion Splices
3 Coiled Buffer Tubes

1-6 7-12 1-6 7-12 1-6 7-12 1-6 7-12 1-6 7-12

DOME, 800 FUSION SPLICE, UNDERGROUND SPLICE ENCLOSURE[1]

MATCHLINE B - SEE SHEET 723

144SMF DROP CABLE NORTH (I-270 BACKBONE) CTSS

144SMF DROP CABLE SOUTH (I-270 BACKBONE) CTSS

144SMF DROP CABLE[1] EAST (CTSS TRUNK)

144SMF DROP CABLE EAST (US-33 BACKBONE) CTSS

CAP AND COIL 150' OF 24SMF FIBER OPTIC CABLE FOR FUTURE ODOT CONNECTION

24SMF CABLE ODOT (Future)

288SMF CABLE NORTH I-270 BACKBONE

TO:
EXISTING
COMMUNICATION
NODE# 270045.5:
I-270 AT
HAMILTON RD.

DOME, 288 FUSION SPLICE, UNDERGROUND SPLICE ENCLOSURE[1]

144SMF DROP CABLE NORTH (I-270 BACKBONE) DoT

MATCHLINE B - SEE SHEET 724

144SMF DROP CABLE SOUTH (I-270 BACKBONE) DoT

144SMF DROP CABLE EAST (DoT TRUNK)

144SMF DROP CABLE EAST (I-270 BACKBONE) DoT

EXISTING 48" PULL BOX

DOME, 288 FUSION SPLICE, UNDERGROUND SPLICE ENCLOSURE[1]

TO:
PROPOSED
COMMUNICATION
NODE# 033132.2:
HAMILTON RD. AT US-33
SEE SHEET 727

288SMF CABLE EAST US-33 BACKBONE

CAP AND COIL 150' OF 24SMF FIBER OPTIC CABLE FOR FUTURE ODOT CONNECTION

24SMF CABLE ODOT (Future)

288SMF CABLE SOUTH I-270 BACKBONE

TO:
EXISTING
COMMUNICATION
NODE# 270049.0: ALUM
CREEK DR. AT I-270
SEE SHEET 744

24SMF CABLE ODOT (Future)

CAP AND COIL 150' OF 24SMF FIBER OPTIC CABLE FOR FUTURE ODOT CONNECTION

LEGEND

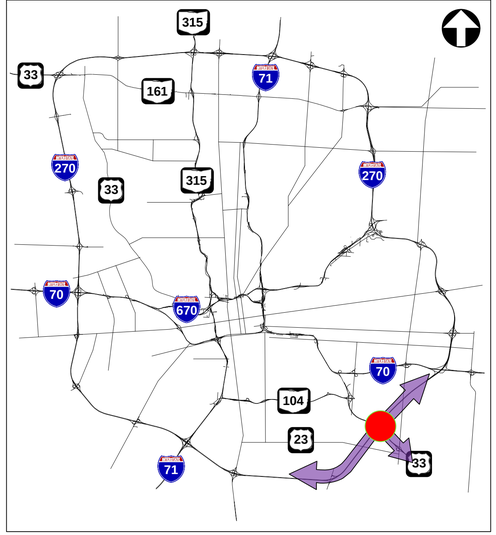
EQUIPMENT CABLE
- FIBER PATCH CABLES Tx/Tx
- FIBER PATCH CABLES Tx/Rx CROSSOVER
- EXISTING FIBER PATCH CABLES
- CAT 5E CABLE
- OUTDOOR CAT 5E CABLE

INTERCONNECT CABLE
- 288 STRAND SMF CABLE
- 144 STRAND SMF CABLE
- COLUMBUS FIBERNET SMF CABLE
- CITYNET SMF CABLE
- D.O.T. SMF CABLE

FIBER SPLICING (DARK/LIGHT – PROPOSED/EXISTING)
- FUSION SPLICE – 12 FIBER BUFFER TUBE
- FUSION SPLICE – PARTIAL BUFFER TUBE
- FUSION SPLICE – SINGLE FIBER
- COILED FIBER OR BUFFER TUBE
- # - # SWITCH # - PORT #

EQUIPMENT AND TERMINATION CABINET
- LH ZX GBIC OPTICAL TRANSCEIVER LH - SHORT HAUL ZX – LONG HAUL
- 8P8C CONNECTOR
- EMPTY SFP MODULE BAY
- LC TERMINATION – SINGLE FIBER
- TERMINATION PANEL UPC (Blue)/APC (Green)
- WIRELESS ETHERNET RADIO

KEY PLAN



NOTES

REMOVE EXISTING 24 STRAND DROP CABLE AND FUSION SPLICES SPLICED TO THE BLUE BUFFER TUBE OF 288 STRAND CABLE. RESPLICE 288 STRAND CABLES AS SHOWN IN THE DIAGRAM ABOVE.

[1]EACH DOME, 288 FUSION SPLICE, UNDERGROUND SPLICE ENCLOSURE MUST ACCOMMODATE 4 CABLE ENTRY PORTS, 288 FUSION SPLICES, AND 2 COILED BUFFER TUBES.

COMMUNICATION NODE 270046.1

REFER TO SHEET 366 FOR CONSTRUCTION PLAN DETAILS
REFER TO SHEET 477 FOR COMM OVERVIEW DETAILS

CIP: 540007 – 100012
PID NUMBER: 99733

EXISTING COMMUNICATION NODE# 270046.1: I-270 AT US-33
FIBER OPTIC SPLICING DIAGRAM

CITY OF COLUMBUS TRAFFIC SIGNAL SYSTEM
(CTSS) PHASE F – FINAL SUBMITTAL

COMMUNICATION NODE EQUIPMENT CABINET (#2)

LAYER 3
ETHERNET SWITCH

1▲ 2▲ 3▲ 4▲ 5▲ 6▲ 7▲ 8▲ 9▲ 10▲ 11▲ 12▲
13▼ 14▼ 15▼ 16▼ 17▼ 18▼ 19▼ 20▼ 21▼ 22▼ 23▼ 24▼ 25▼ 26▼ 27▼ 28▼
T R T R T R T R

TO: CONTROL EQUIPMENT MONITOR

25
26
13
27
12

24 STRAND LC PATCH PANEL

24SMF DROP CABLE[1]

24 STRAND LC PATCH PANEL

SWITCH	PORT	STATUS	DESTINATION	SHEET NO
1	13	PROPOSED	INT# 2087: HAMILTON RD. AT US-33 EB RAMPS	647
1	25	PROPOSED	EXISTING COMMUNICATION NODE# 270046.1: I-270 AT US-33 (ROUTED)	723
1	26	PROPOSED	EXISTING COMMUNICATION NODE# 270464.1: I-270 AT US-33 (TRUNK)	725
1	27	PROPOSED	PROPOSED COMMUNICATION NODE# 033135.8: GENDER RD. AT US-33 (ROUTED)	747F

12

COMMUNICATION NODE FIBER TERMINATION CABINET (#1)

MATCHLINE A- SEE SHEET 727

144SMF DROP CABLE WEST US-33 BACKBONE (CTSS)
144SMF DROP CABLE EAST US-33 BACKBONE (CTSS)
144SMF DROP CABLE (CTSS TRUNK)

CTSS 4RU PATCH PANEL

A
B
C
D
E
F
G
H
J
K
L
M

NORTH
BLUE TUBE
ORANGE TUBE
GREEN TUBE
BROWN TUBE
SLATE TUBE
WHITE TUBE

SOUTH
RED TUBE
BLACK TUBE
YELLOW TUBE
VIOLET TUBE
ROSE TUBE
AQUA TUBE

WEST
BLUE TUBE
ORANGE TUBE
GREEN TUBE
BROWN TUBE
SLATE TUBE
WHITE TUBE
RED TUBE
BLACK TUBE
YELLOW TUBE
VIOLET TUBE
ROSE TUBE
AQUA TUBE

EAST
BLUE TUBE
ORANGE TUBE
GREEN TUBE
BROWN TUBE
SLATE TUBE
WHITE TUBE
RED TUBE
BLACK TUBE
YELLOW TUBE
VIOLET TUBE
ROSE TUBE
AQUA TUBE

13
25
26

O
P
Q
R
S
M

DoT 4RU PATCH PANEL

12

LEGEND

EQUIPMENT CABLE

- FIBER PATCH CABLES Tx/Tx
- FIBER PATCH CABLES Tx/Rx CROSSOVER
- EXISTING FIBER PATCH CABLES
- CAT 5E CABLE
- OUTDOOR CAT 5E CABLE

INTERCONNECT CABLE

- 288 STRAND SMF CABLE
- 144 STRAND SMF CABLE
- COLUMBUS FIBERNET SMF CABLE
- CITYNET SMF CABLE
- D.O.T. SMF CABLE

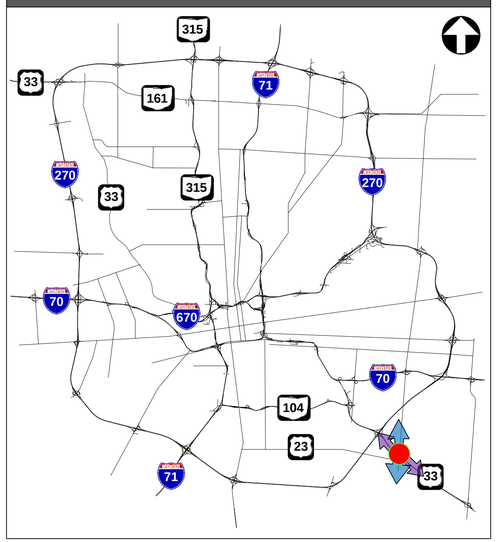
FIBER SPLICING (DARK/LIGHT – PROPOSED/EXISTING)

- FUSION SPLICE – 12 FIBER BUFFER TUBE
- FUSION SPLICE – PARTIAL BUFFER TUBE
- FUSION SPLICE – SINGLE FIBER
- COILED FIBER OR BUFFER TUBE
- # - # SWITCH # - PORT #

EQUIPMENT AND TERMINATION CABINET

- LH / ZX — GBIC OPTICAL TRANSCEIVER; LH - SHORT HAUL; ZX – LONG HAUL
- 8P8C CONNECTOR
- EMPTY SFP MODULE BAY
- LC TERMINATION – SINGLE FIBER
- TERMINATION PANEL UPC (Blue)/APC (Green)
- WIRELESS ETHERNET RADIO

KEY PLAN



NOTES

[1] PRE-TERMINATED 24SMF CABLE INSTALLED IN 4" CONDUIT CONNECTING CABINETS.

[2] PATCH PANEL DROP CABLES SHALL BE FACTORY PRE-TERMINATED AND OF SUFFICIENT LENGTH TO REACH ADJACENT UNDERGROUND OR OVERHEAD ENCLOSURE SPLICE LOCATION.

12 DRAFT REVISION 12.0

COMMUNICATION NODE 033132.2

REFER TO SHEET 412 FOR CONSTRUCTION PLAN DETAILS
REFER TO SHEET 479 FOR COMM OVERVIEW DETAILS

CIP: 540007 – 100060
PID NUMBER: 110521

COMMUNICATION NODE# 033132.2: HAMILTON RD. AT US-33
COMMUNICATIONS DIAGRAM
PROPOSED COMMUNICATION

CITY OF COLUMBUS TRAFFIC SIGNAL SYSTEM
(CTSS) PHASE F – FINAL SUBMITTAL

726
768

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TO:
INT# 2192: HAMILTON RD.
AT US 33 WB RAMPS
SEE SHEET 646

144SMF CABLE NORTH
HAMILTON RD TRUNK

PROPOSED 48" PULL BOX

5 Cable Entries
288 Fusion Splices
3 Coiled Buffer Tubes

24SMF CABLE
ODOT (Future)

CAP AND COIL 150' OF 24SMF
FIBER OPTIC CABLE FOR
FUTURE ODOT CONNECTION

7-12
1-6
1-6
7-12
1-6
7-12
7-12
1-6
7-12
1-6

144SMF CABLE SOUTH
HAMILTON RD TRUNK

144SMF DROP CABLE
(DoT TRUNK)

144SMF DROP CABLE
(CTSS TRUNK)

DOME, 800 FUSION SPLICE,
UNDERGROUND SPLICE
ENCLOSURE

24SMF CABLE
ODOT (Future)

CAP AND COIL 150' OF 24SMF
FIBER OPTIC CABLE FOR
FUTURE ODOT CONNECTION

288SMF CABLE WEST
US-33 BACKBONE

TO:
EXISTING
COMMUNICATION
NODE# 270046.1:
I-270 AT US-33
SEE SHEET 725

8 Cable Entries
600 Fusion Splices

24SMF CABLE
ODOT (Future)

CAP AND COIL 150' OF 24SMF
FIBER OPTIC CABLE FOR
FUTURE ODOT CONNECTION

288SMF CABLE EAST
US-33 BACKBONE

TO:
PROPOSED
COMMUNICATION
NODE# 033135.8:
GENDER RD. AT US-33
SEE SHEET 747G

144SMF DROP CABLE WEST
US-33 BACKBONE (CTSS)

144SMF DROP CABLE WEST
US-33 BACKBONE (DoT)

144SMF DROP CABLE EAST
US-33 BACKBONE (DoT)

144SMF DROP CABLE EAST
US-33 BACKBONE (CTSS)

DOME, 800 FUSION SPLICE,
UNDERGROUND SPLICE
ENCLOSURE

TO:
INT# 2087: HAMILTON RD.
AT US-33 EB RAMPS
SEE SHEET 647

MATCHLINE A - SEE SHEET 726

MATCHLINE B - SEE SHEET 727A

Sheet 727A can be found on page 795 of this document

LEGEND

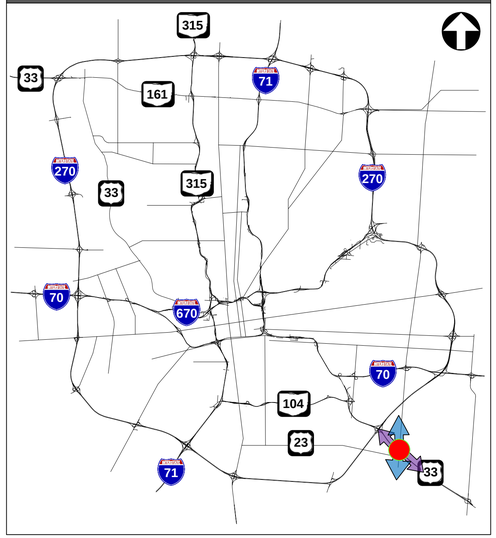
EQUIPMENT CABLE
- FIBER PATCH CABLES Tx/Tx
- FIBER PATCH CABLES Tx/Rx CROSSOVER
- EXISTING FIBER PATCH CABLES
- CAT 5E CABLE
- OUTDOOR CAT 5E CABLE

INTERCONNECT CABLE
- 288 STRAND SMF CABLE
- 144 STRAND SMF CABLE
- COLUMBUS FIBERNET SMF CABLE
- CITYNET SMF CABLE
- D.O.T. SMF CABLE

FIBER SPLICING (DARK/LIGHT – PROPOSED/EXISTING)
- FUSION SPLICE – 12 FIBER BUFFER TUBE
- FUSION SPLICE – PARTIAL BUFFER TUBE
- FUSION SPLICE – SINGLE FIBER
- COILED FIBER OR BUFFER TUBE
- # - # SWITCH # - PORT #

EQUIPMENT AND TERMINATION CABINET
- LH ZX GBIC OPTICAL TRANSCEIVER; LH - SHORT HAUL; ZX – LONG HAUL
- 8P8C CONNECTOR
- EMPTY SFP MODULE BAY
- LC TERMINATION – SINGLE FIBER
- TERMINATION PANEL; UPC (Blue)/APC (Green)
- WIRELESS ETHERNET RADIO

KEY PLAN



DRAFT REVISION 12.0

COMMUNICATION NODE 033132.2

REFER TO SHEET 412 FOR CONSTRUCTION PLAN DETAILS
REFER TO SHEET 479 FOR COMM OVERVIEW DETAILS

CIP: 540007 – 100060
PID NUMBER: 110521

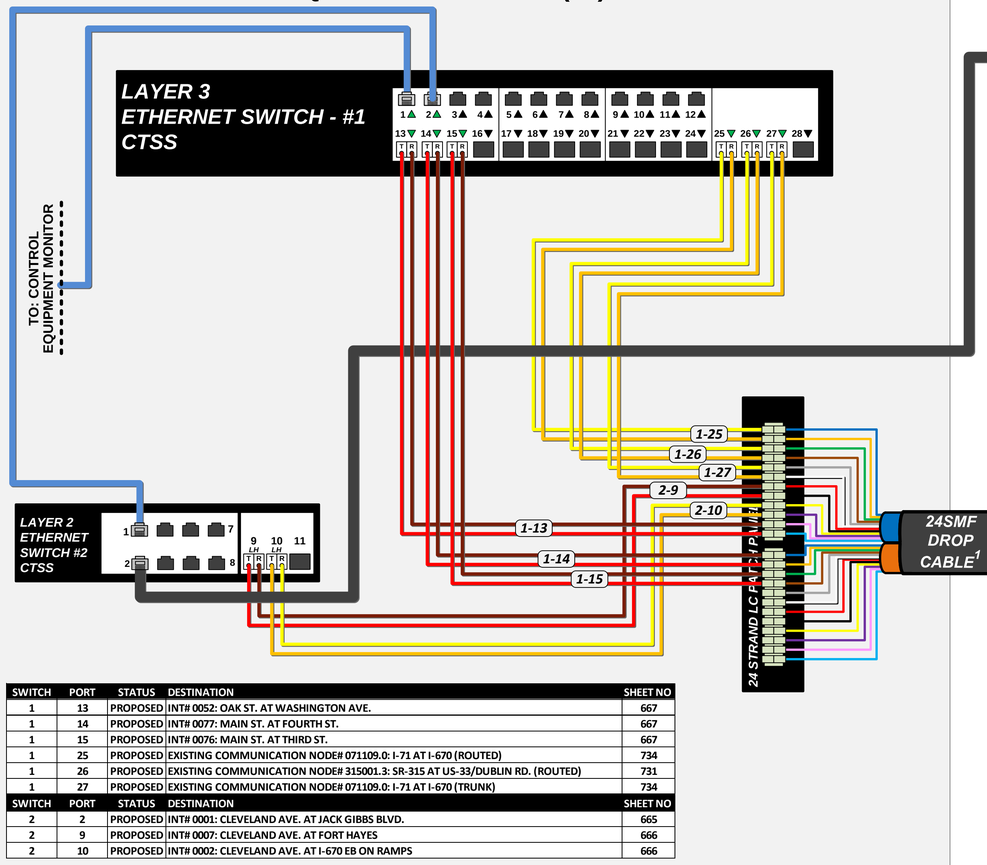
PROPOSED COMMUNICATION NODE# 033132.2: HAMILTON RD. AT US-33
FIBER OPTIC SPLICING DIAGRAM

CITY OF COLUMBUS TRAFFIC SIGNAL SYSTEM
(CTSS) PHASE F – FINAL SUBMITTAL

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COMMUNICATION NODE EQUIPMENT CABINET (#2)



SWITCH	PORT	STATUS	DESTINATION	SHEET NO
1	13	PROPOSED	INT# 0052: OAK ST. AT WASHINGTON AVE.	667
1	14	PROPOSED	INT# 0077: MAIN ST. AT FOURTH ST.	667
1	15	PROPOSED	INT# 0076: MAIN ST. AT THIRD ST.	667
1	25	PROPOSED	EXISTING COMMUNICATION NODE# 071109.0: I-71 AT I-670 (ROUTED)	734
1	26	PROPOSED	EXISTING COMMUNICATION NODE# 315001.3: SR-315 AT US-33/DUBLIN RD. (ROUTED)	731
1	27	PROPOSED	EXISTING COMMUNICATION NODE# 071109.0: I-71 AT I-670 (TRUNK)	734
SWITCH	PORT	STATUS	DESTINATION	SHEET NO
2	2	PROPOSED	INT# 0001: CLEVELAND AVE. AT JACK GIBBS BLVD.	665
2	9	PROPOSED	INT# 0007: CLEVELAND AVE. AT FORT HAYES	666
2	10	PROPOSED	INT# 0002: CLEVELAND AVE. AT I-670 EB ON RAMPS	666

LEGEND

EQUIPMENT CABLE

- FIBER PATCH CABLES Tx/Tx
- FIBER PATCH CABLES Tx/Rx CROSSOVER
- EXISTING FIBER PATCH CABLES
- CAT 5E CABLE
- OUTDOOR CAT 5E CABLE

INTERCONNECT CABLE

- 288 STRAND SMF CABLE
- 144 STRAND SMF CABLE
- COLUMBUS FIBERNET SMF CABLE
- CITYNET SMF CABLE
- D.O.T. SMF CABLE

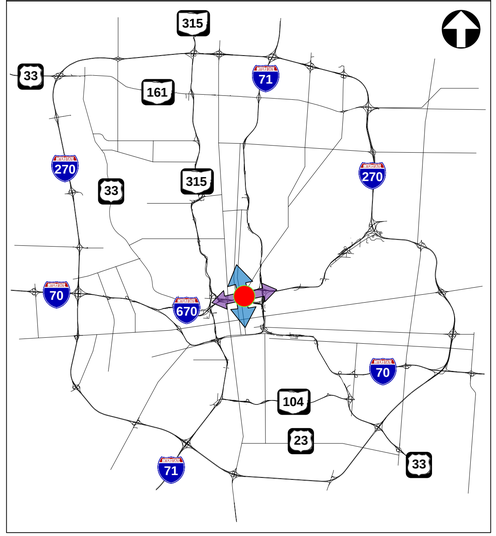
FIBER SPLICING (DARK/LIGHT – PROPOSED/EXISTING)

- FUSION SPLICE – 12 FIBER BUFFER TUBE
- FUSION SPLICE – PARTIAL BUFFER TUBE
- FUSION SPLICE – SINGLE FIBER
- COILED FIBER OR BUFFER TUBE
- # - # SWITCH # - PORT #

EQUIPMENT AND TERMINATION CABINET

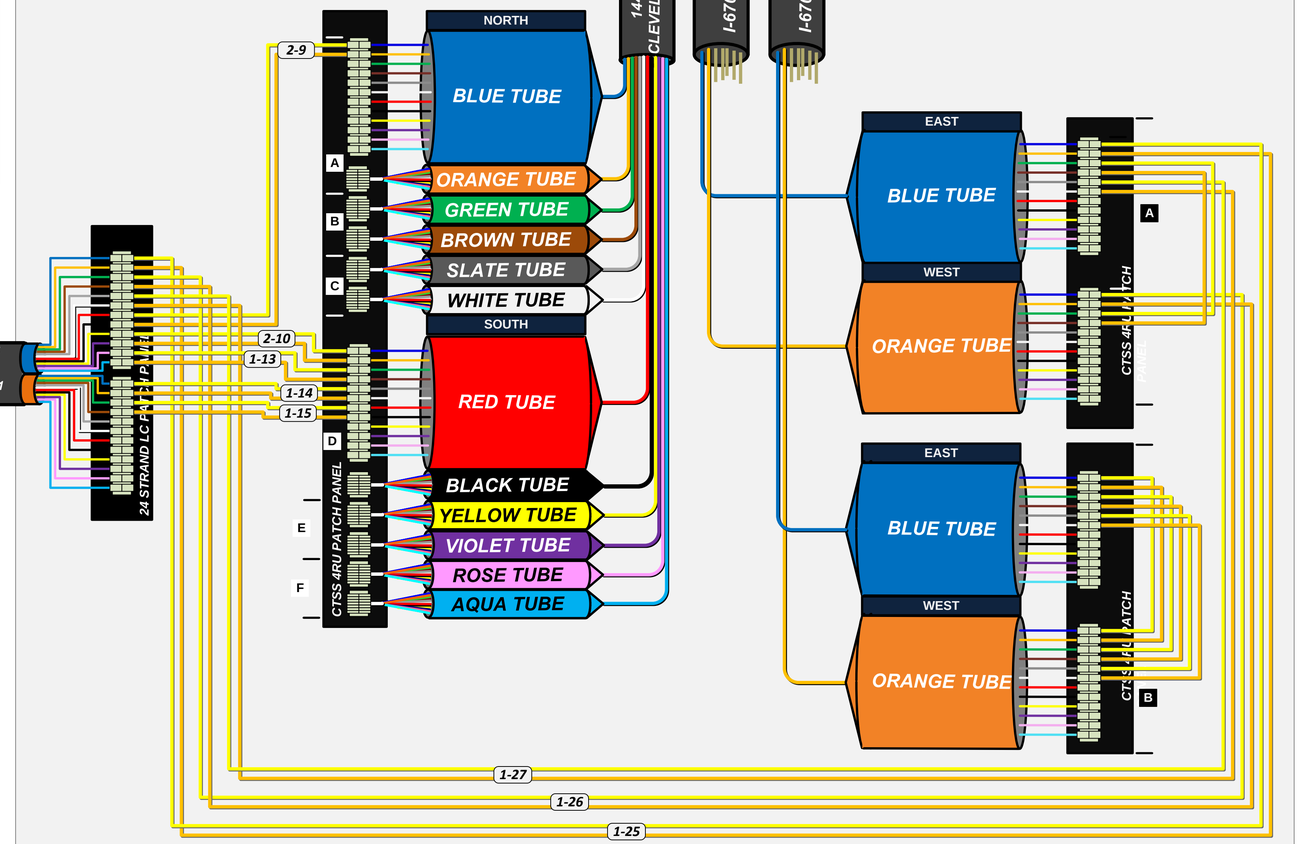
- LH / ZX GBIC OPTICAL TRANSCEIVER — LH - SHORT HAUL, ZX – LONG HAUL
- 8P8C CONNECTOR
- EMPTY SFP MODULE BAY
- LC TERMINATION – SINGLE FIBER
- TERMINATION PANEL — UPC (Blue)/APC (Green)
- WIRELESS ETHERNET RADIO

KEY PLAN



MATCHLINE B - SEE SHEET 729

COMMUNICATION NODE FIBER TERMINATION CABINET (#1)



NOTES

[1] PRE-TERMINATED 24SMF CABLE INSTALLED IN 4" CONDUIT CONNECTING CABINETS.

[2] PATCH PANEL DROP CABLES SHALL BE FACTORY PRE-TERMINATED AND OF SUFFICIENT LENGTH TO REACH ADJACENT UNDERGROUND OR OVERHEAD ENCLOSURE SPLICE LOCATION.

COMMUNICATION NODE 670005.0

REFER TO SHEET 403 FOR CONSTRUCTION PLAN DETAILS
REFER TO SHEET 480 FOR COMM OVERVIEW DETAILS

CIP: 540007 – 100012
PID NUMBER: 99733

PROPOSED COMMUNICATION NODE# 670005.0: CLEVELAND AVE. AT I-670
COMMUNICATIONS DIAGRAM

CITY OF COLUMBUS TRAFFIC SIGNAL SYSTEM
(CTSS) PHASE F – FINAL SUBMITTAL

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PROPOSED 48" PULL BOX

6 Cable Entries
336 Fusion Splices
10 Buffer Tubes Passed Through Unspliced

DOME, 800 FUSION SPLICE, UNDERGROUND SPLICE ENCLOSURE

24SMF CABLE I-670 BACKBONE (CTSS)
24SMF CABLE I-670 BACKBONE (CTSS)
144SMF DROP CABLE WEST (I-670 BACKBONE) DoT
144SMF DROP CABLE EAST (I-670 BACKBONE) DoT
24SMF CABLE ODOT (Future)

TO:
EXISTING COMMUNICATION NODE# 315001.3: SR-315 AT US-33/ DUBLIN RD.
SEE SHEET 731

288SMF CABLE WEST I-670 BACKBONE

MATCHLINE A - SEE SHEET 728

CAP AND COIL 150' OF 24SMF FIBER OPTIC DROP CABLE FOR FUTURE ODOT CONNECTION

288SMF CABLE EAST I-670 BACKBONE

TO:
EXISTING COMMUNICATION NODE# 071109.0: I-71 AT I-670
SEE SHEET 734

LEGEND

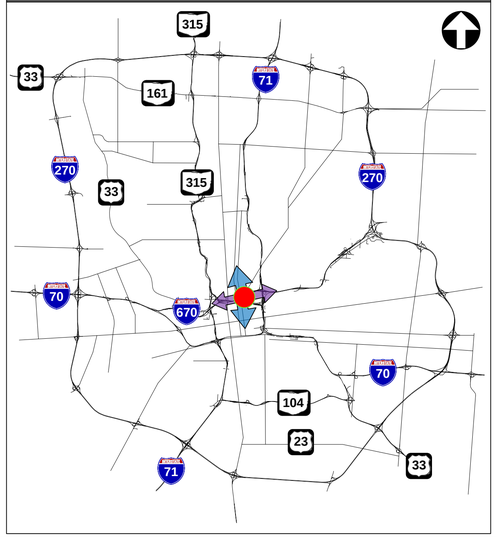
EQUIPMENT CABLE
- FIBER PATCH CABLES Tx/Tx
- FIBER PATCH CABLES Tx/Rx CROSSOVER
- EXISTING FIBER PATCH CABLES
- CAT 5E CABLE
- OUTDOOR CAT 5E CABLE

INTERCONNECT CABLE
- 288 STRAND SMF CABLE
- 144 STRAND SMF CABLE
- COLUMBUS FIBERNET SMF CABLE
- CITYNET SMF CABLE
- D.O.T. SMF CABLE

FIBER SPLICING (DARK/LIGHT – PROPOSED/EXISTING)
- FUSION SPLICE – 12 FIBER BUFFER TUBE
- FUSION SPLICE – PARTIAL BUFFER TUBE
- FUSION SPLICE – SINGLE FIBER
- COILED FIBER OR BUFFER TUBE
- # - # SWITCH # - PORT #

EQUIPMENT AND TERMINATION CABINET
- LH ZX GBIC OPTICAL TRANSCEIVER LH - SHORT HAUL ZX – LONG HAUL
- 8P8C CONNECTOR
- EMPTY SFP MODULE BAY
- LC TERMINATION – SINGLE FIBER
- TERMINATION PANEL UPC (Blue)/APC (Green)
- WIRELESS ETHERNET RADIO

KEY PLAN



TO:
INT# 0001:
CLEVELAND AVE. AT JACK GIBS BLVD.
SEE SHEET 665

144SMF CABLE SOUTH CLEVELAND AVE TRUNK

TO:
INT# 0002:
CLEVELAND AVE. AT I-670 EB ON RAMPS
SEE SHEET 666

144SMF CABLE NORTH CLEVELAND AVE TRUNK

TO:
INT# 0007:
CLEVELAND AVE. AT I-670.
SEE SHEET 666

24SMF CABLE ODOT (Future)

CAP AND COIL 150' OF 24SMF FIBER OPTIC CABLE FOR FUTURE ODOT CONNECTION

MATCHLINE A - SEE THIS SHEET

PROPOSED 48" PULL BOX

5 Cable Entries
288 Fusion Splices
3 Coiled Buffer Tubes

DOME, 800 FUSION SPLICE, UNDERGROUND SPLICE ENCLOSURE

1-6 7-12
7-12
1-6
1-6
7-12
1-6 7-12
1-6 7-12

24SMF CABLE I-670 BACKBONE (CTSS)
24SMF CABLE I-670 BACKBONE (CTSS)
144SMF DROP CABLE WEST (IR-670 BACKBONE) DoT
144SMF DROP CABLE EAST (IR-670 BACKBONE) DoT

144SMF DROP CABLE² CLEVELAND AVE TRUNK (CTSS)
144SMF DROP CABLE WEST I-670 BACKBONE (CTSS)
144SMF DROP CABLE EAST I-670 BACKBONE (CTSS)
144SMF DROP CABLE (DoT TRUNK)

MATCHLINE B - SEE SHEET 728
MATCHLINE C - SEE SHEET 730

COMMUNICATION NODE 670005.0

REFER TO SHEET 403 FOR CONSTRUCTION PLAN DETAILS
REFER TO SHEET 480 FOR COMM OVERVIEW DETAILS

CIP: 540007 – 100012
PID NUMBER: 99733

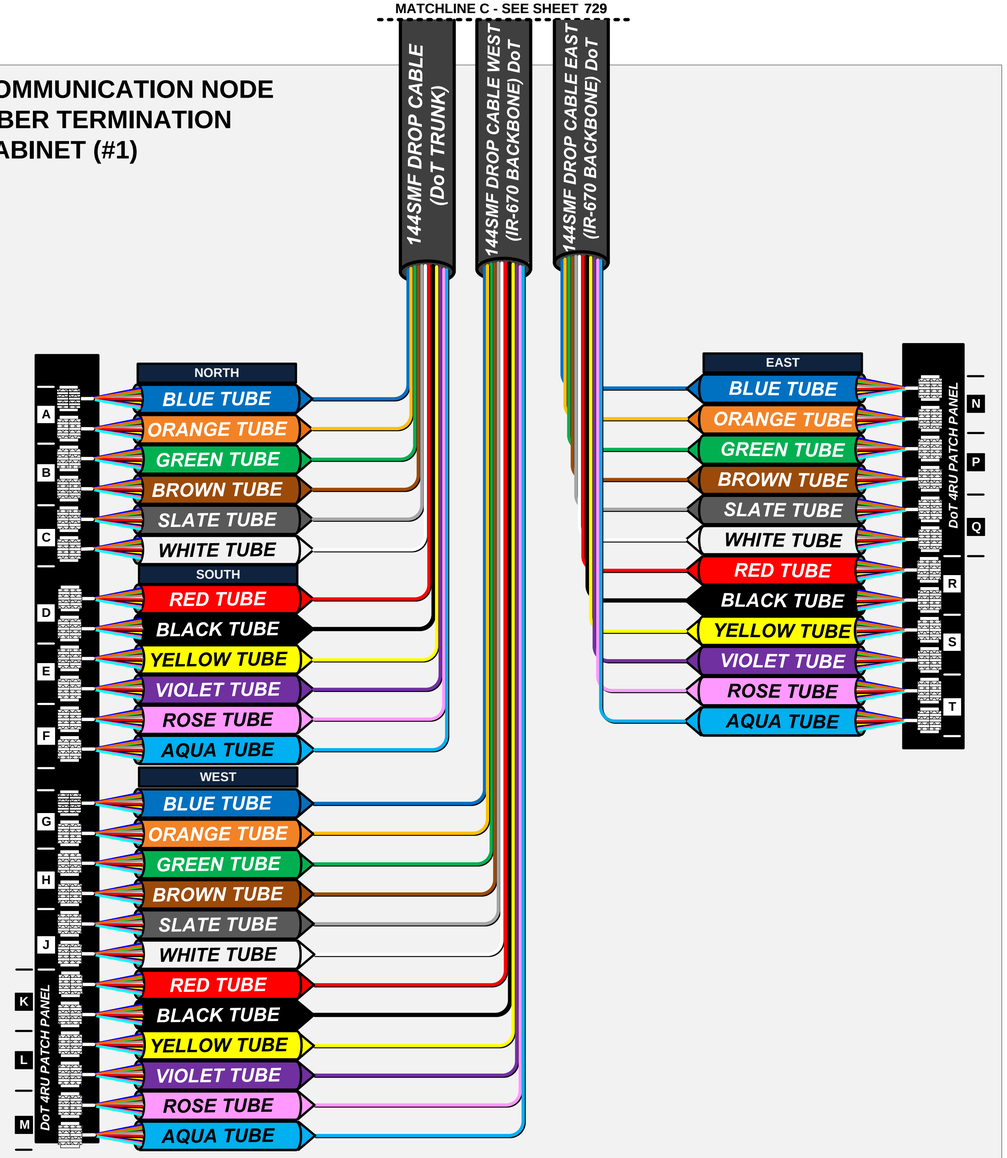
PROPOSED COMMUNICATION NODE# 670005.0: CLEVELAND AVE. AT I-670
FIBER OPTIC SPLICING DIAGRAM

CITY OF COLUMBUS TRAFFIC SIGNAL SYSTEM
(CTSS) PHASE F – FINAL SUBMITTAL

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MATCHLINE C - SEE SHEET 729

COMMUNICATION NODE FIBER TERMINATION CABINET (#1)



LEGEND

EQUIPMENT CABLE

- FIBER PATCH CABLES Tx/Tx
- FIBER PATCH CABLES Tx/Rx CROSSOVER
- EXISTING FIBER PATCH CABLES
- CAT 5E CABLE
- OUTDOOR CAT 5E CABLE

INTERCONNECT CABLE

- 288 STRAND SMF CABLE
- 144 STRAND SMF CABLE
- COLUMBUS FIBERNET SMF CABLE
- CITYNET SMF CABLE
- D.O.T. SMF CABLE

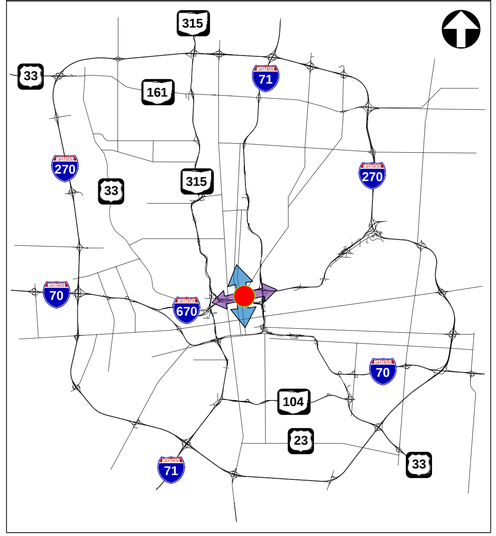
FIBER SPLICING (DARK/LIGHT – PROPOSED/EXISTING)

- FUSION SPLICE – 12 FIBER BUFFER TUBE
- FUSION SPLICE – PARTIAL BUFFER TUBE
- FUSION SPLICE – SINGLE FIBER
- COILED FIBER OR BUFFER TUBE
- # - # SWITCH # - PORT #

EQUIPMENT AND TERMINATION CABINET

- LH ZX — GBIC OPTICAL TRANSCEIVER; LH - SHORT HAUL; ZX – LONG HAUL
- 8P8C CONNECTOR
- EMPTY SFP MODULE BAY
- LC TERMINATION – SINGLE FIBER
- TERMINATION PANEL UPC (Blue)/APC (Green)
- WIRELESS ETHERNET RADIO

KEY PLAN



COMMUNICATION NODE 670005.0

REFER TO SHEET 403 FOR CONSTRUCTION PLAN DETAILS
REFER TO SHEET 480 FOR COMM OVERVIEW DETAILS

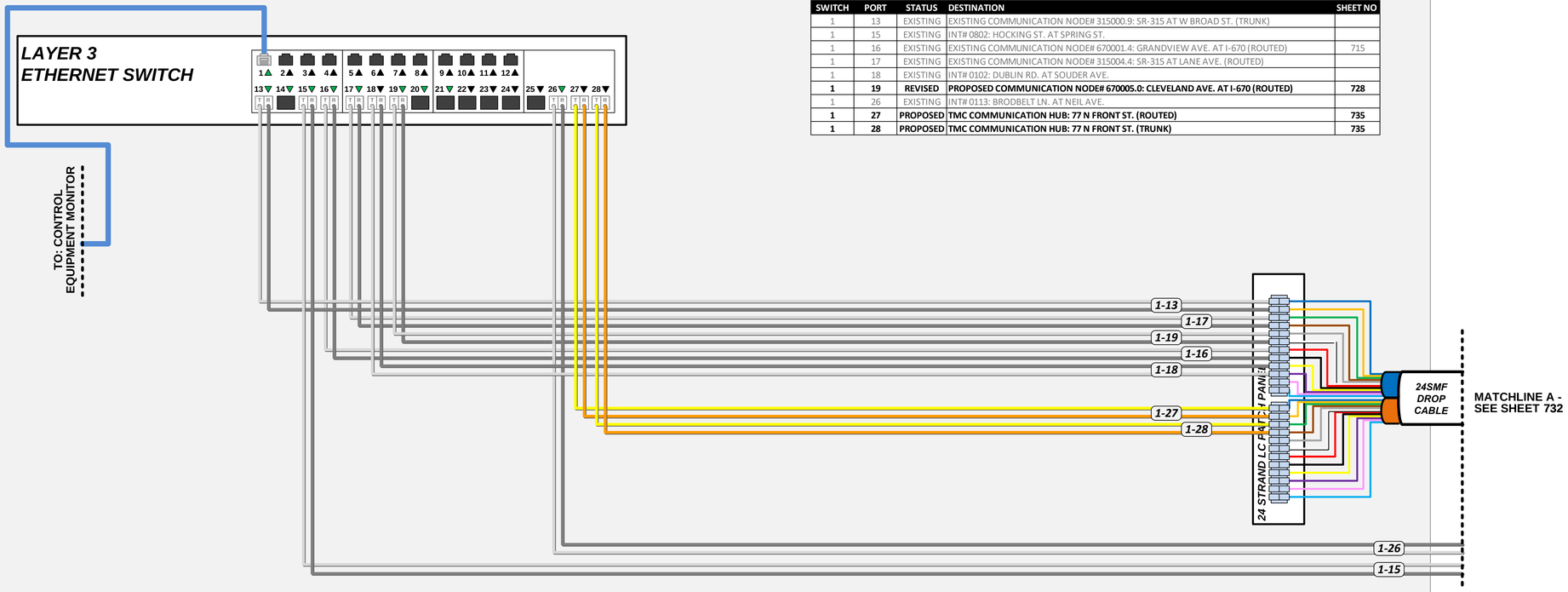
CIP: 540007 – 100012
PID NUMBER: 99733

PROPOSED COMMUNICATION NODE# 670005.0: CLEVELAND AVE. AT I-670
FIBER OPTIC SPLICING DIAGRAM

CITY OF COLUMBUS TRAFFIC SIGNAL SYSTEM
(CTSS) PHASE F – FINAL SUBMITTAL

EXISTING COMMUNICATION NODE EQUIPMENT CABINET (#2)

SWITCH	PORT	STATUS	DESTINATION	SHEET NO
1	13	EXISTING	EXISTING COMMUNICATION NODE# 315000.9: SR-315 AT W BROAD ST. (TRUNK)	
1	15	EXISTING	INT# 0802: HOCKING ST. AT SPRING ST.	
1	16	EXISTING	EXISTING COMMUNICATION NODE# 670001.4: GRANDVIEW AVE. AT I-670 (ROUTED)	715
1	17	EXISTING	EXISTING COMMUNICATION NODE# 315004.4: SR-315 AT LANE AVE. (ROUTED)	
1	18	EXISTING	INT# 0102: DUBLIN RD. AT SOUDER AVE.	
1	**19**	**REVISED**	**PROPOSED COMMUNICATION NODE# 670005.0: CLEVELAND AVE. AT I-670 (ROUTED)**	**728**
1	26	EXISTING	INT# 0113: BRODBELT LN. AT NEIL AVE.	
1	**27**	**PROPOSED**	**TMC COMMUNICATION HUB: 77 N FRONT ST. (ROUTED)**	**735**
1	**28**	**PROPOSED**	**TMC COMMUNICATION HUB: 77 N FRONT ST. (TRUNK)**	**735**



LEGEND

EQUIPMENT CABLE

- FIBER PATCH CABLES Tx/Tx
- FIBER PATCH CABLES Tx/Rx CROSSOVER
- EXISTING FIBER PATCH CABLES
- CAT 5E CABLE
- OUTDOOR CAT 5E CABLE

INTERCONNECT CABLE

- 288 STRAND SMF CABLE
- 144 STRAND SMF CABLE
- COLUMBUS FIBERNET SMF CABLE
- CITYNET SMF CABLE
- D.O.T. SMF CABLE

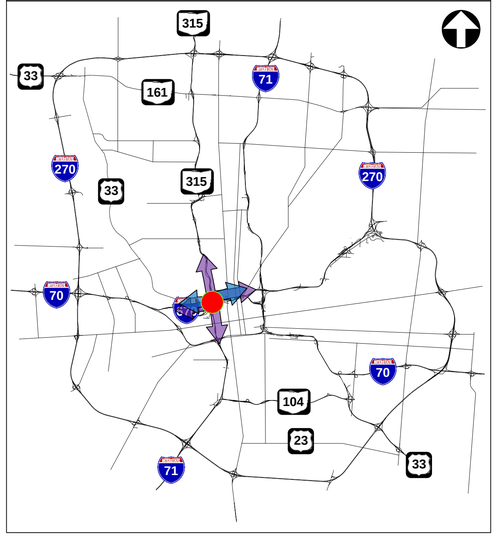
FIBER SPLICING (DARK/LIGHT – PROPOSED/EXISTING)

- FUSION SPLICE – 12 FIBER BUFFER TUBE
- FUSION SPLICE – PARTIAL BUFFER TUBE
- FUSION SPLICE – SINGLE FIBER
- COILED FIBER OR BUFFER TUBE
- # - # SWITCH # - PORT #

EQUIPMENT AND TERMINATION CABINET

- LH ZX GBIC OPTICAL TRANSCEIVER LH - SHORT HAUL ZX – LONG HAUL
- 8P8C CONNECTOR
- EMPTY SFP MODULE BAY
- LC TERMINATION – SINGLE FIBER
- TERMINATION PANEL UPC (Blue)/APC (Green)
- WIRELESS ETHERNET RADIO

KEY PLAN



COMMUNICATION NODE 315001.3

REFER TO SHEET 480 FOR COMM OVERVIEW DETAILS

CIP: 540007 – 100012
PID NUMBER: 99733

EXISTING COMMUNICATION NODE# 315001.3: SR-315 AT US-33/DUBLIN RD.
COMMUNICATIONS DIAGRAM

CITY OF COLUMBUS TRAFFIC SIGNAL SYSTEM
(CTSS) PHASE F – FINAL SUBMITTAL

731
768

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COMMUNICATION NODE FIBER TERMINATION CABINET (#1)

MATCHLINE A - SEE SHEET 731

24SMF DROP CABLE

24 STRAND LC PATCH PANEL

MATCHLINE A - SEE SHEET 733

144SMF DROP CABLE[2] EAST (CTSS TRUNK)

144SMF DROP CABLE[2] EAST (DoT TRUNK)

EXISTING 144 STRAND DROP CABLE (BACKBONE – NODE 315004.4)

1-17

CTSS 288 STRAND LC PATCH PANEL

NORTH

BLUE TUBE

RED TUBE

SEE 2643-E CTSS PHASE A FOR INITIAL SPLICING PLAN OF DROP CABLE

1-27

1-28

EXISTING 144 STRAND DROP CABLE (BACKBONE – NODE 670005.0 SEE SHEET 730)

1-19

CTSS 288 STRAND LC PATCH PANEL

EAST

BLUE TUBE

RED TUBE

SEE 2762-E CTSS PHASE B FOR INITIAL SPLICING PLAN OF DROP CABLE

CTSS 4RU PATCH PANEL

U

V

W

X

Y

Z

EAST

BLUE TUBE

ORANGE TUBE

GREEN TUBE

BROWN TUBE

SLATE TUBE

WHITE TUBE

RED TUBE

BLACK TUBE

YELLOW TUBE

VIOLET TUBE

ROSE TUBE

AQUA TUBE

EXISTING 144 STRAND DROP CABLE (TRUNK – DUBLIN RD)

1-15

1-26

1-18

CTSS 144 STRAND LC PATCH PANEL

EAST

BLUE TUBE

WEST

RED TUBE

SEE 2762-E CTSS PHASE B FOR INITIAL SPLICING PLAN OF DROP CABLE

DoT 4RU PATCH PANEL

EAST

BLUE TUBE

ORANGE TUBE

GREEN TUBE

BROWN TUBE

SLATE TUBE

WHITE TUBE

RED TUBE

BLACK TUBE

YELLOW TUBE

VIOLET TUBE

ROSE TUBE

AQUA TUBE

EXISTING 144 STRAND DROP CABLE (BACKBONE – NODE 315000.9)

1-13

CTSS 144 STRAND LC PATCH PANEL

SOUTH

BLUE TUBE

SEE 2643-E CTSS PHASE A FOR INITIAL SPLICING PLAN OF DROP CABLE

EXISTING 144 STRAND DROP CABLE (BACKBONE – NODE 670001.4)

1-16

CTSS 144 STRAND LC PATCH PANEL

WEST

BLUE TUBE

SEE 2953-E CTSS PHASE C FOR INITIAL SPLICING PLAN OF DROP CABLE

LEGEND

EQUIPMENT CABLE

- FIBER PATCH CABLES Tx/Tx
- FIBER PATCH CABLES Tx/Rx CROSSOVER
- EXISTING FIBER PATCH CABLES
- CAT 5E CABLE
- OUTDOOR CAT 5E CABLE

INTERCONNECT CABLE

- 288 STRAND SMF CABLE
- 144 STRAND SMF CABLE
- COLUMBUS FIBERNET SMF CABLE
- CITYNET SMF CABLE
- D.O.T. SMF CABLE

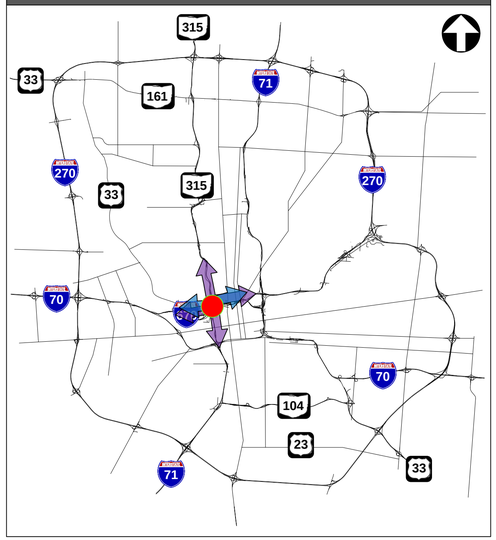
FIBER SPLICING (DARK/LIGHT – PROPOSED/EXISTING)

- FUSION SPLICE – 12 FIBER BUFFER TUBE
- FUSION SPLICE – PARTIAL BUFFER TUBE
- FUSION SPLICE – SINGLE FIBER
- COILED FIBER OR BUFFER TUBE
- # - # SWITCH # - PORT #

EQUIPMENT AND TERMINATION CABINET

- LH ZX GBIC OPTICAL TRANSCEIVER LH - SHORT HAUL ZX – LONG HAUL
- 8P8C CONNECTOR
- EMPTY SFP MODULE BAY
- LC TERMINATION – SINGLE FIBER
- TERMINATION PANEL UPC (Blue)/APC (Green)
- WIRELESS ETHERNET RADIO

KEY PLAN



NOTES

[2] PATCH PANEL DROP CABLES SHALL BE FACTORY PRE-TERMINATED AND OF SUFFICIENT LENGTH TO REACH ADJACENT UNDERGROUND OR OVERHEAD ENCLOSURE SPLICE LOCATION.

INACTIVE FIBERS, PATCHING, AND PATCH PANEL CONNECTIONS ARE NOT SHOWN ON THIS SHEET FOR CLARITY

COMMUNICATION NODE 315001.3

REFER TO SHEET 480 FOR COMM OVERVIEW DETAILS

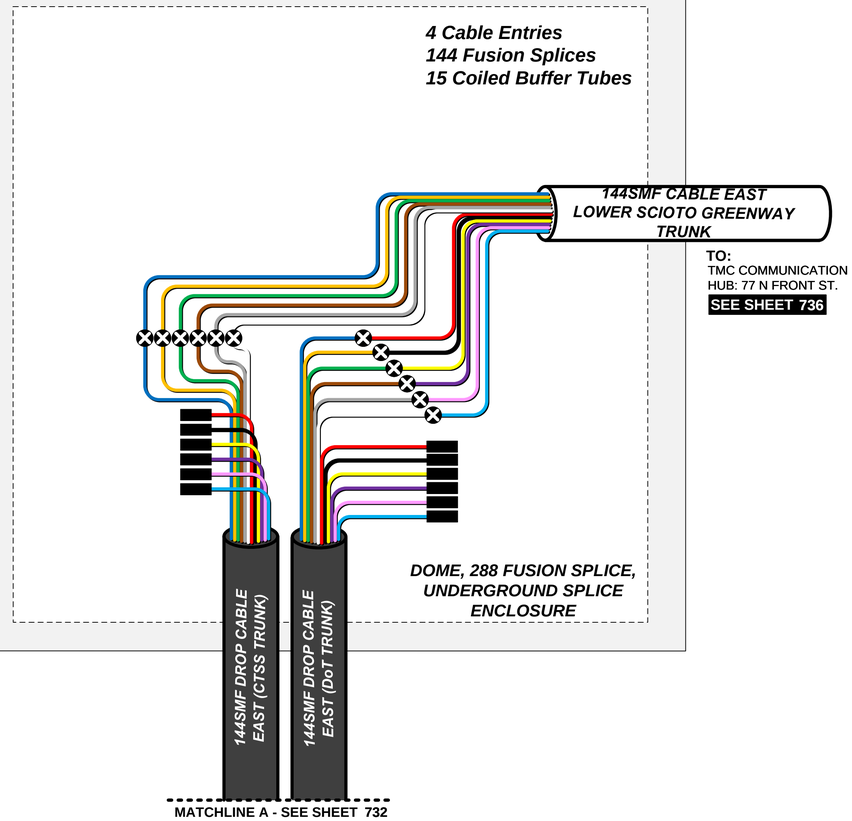
CIP: 540007 – 100012
PID NUMBER: 99733

EXISTING COMMUNICATION NODE# 315001.3: SR-315 AT US-33/DUBLIN RD.
COMMUNICATIONS DIAGRAM

CITY OF COLUMBUS TRAFFIC SIGNAL SYSTEM
(CTSS) PHASE F – FINAL SUBMITTAL

\\colw00\pmworkJobs\70202 - CTSS Phase F\TECHPROD\Communications\Nodes\Phase F comm nodes.vsd - 315001.3-3 layout ~ last saved by: Sai Geetha Koganti 6/1/2022 7:48:18 AM ~ printed: 6/1/2022 7:48:18 AM

EXISTING 48" PULL BOX



LEGEND

EQUIPMENT CABLE

- FIBER PATCH CABLES Tx/Tx
- FIBER PATCH CABLES Tx/Rx CROSSOVER
- EXISTING FIBER PATCH CABLES
- CAT 5E CABLE
- OUTDOOR CAT 5E CABLE

INTERCONNECT CABLE

- 288 STRAND SMF CABLE
- 144 STRAND SMF CABLE
- COLUMBUS FIBERNET SMF CABLE
- CITYNET SMF CABLE
- D.O.T. SMF CABLE

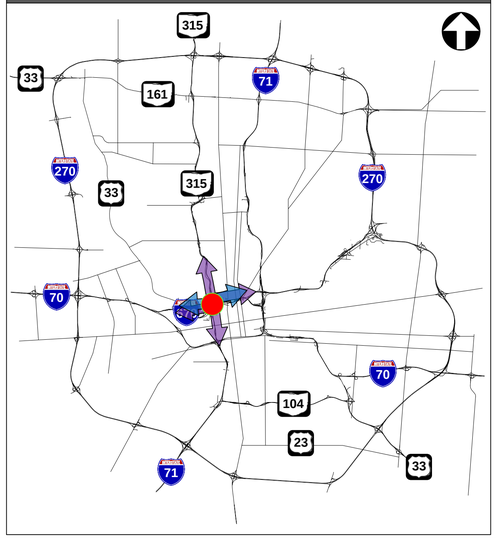
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- FUSION SPLICE – 12 FIBER BUFFER TUBE
- FUSION SPLICE – PARTIAL BUFFER TUBE
- FUSION SPLICE – SINGLE FIBER
- COILED FIBER OR BUFFER TUBE
- # - # SWITCH # - PORT #

EQUIPMENT AND TERMINATION CABINET

- LH ZX — GBIC OPTICAL TRANSCEIVER; LH - SHORT HAUL; ZX – LONG HAUL
- 8P8C CONNECTOR
- EMPTY SFP MODULE BAY
- LC TERMINATION – SINGLE FIBER
- TERMINATION PANEL UPC (Blue)/APC (Green)
- WIRELESS ETHERNET RADIO

KEY PLAN



NOTES

EXISTING SPLICE ENCLOSURE, 144 STRAND CABLE AND 24 DROP CABLES ARE NOT SHOW IN THIS SHEET FOR CLARITY. THOSE CABLES WILL NOT USED TO PERFORM ANY PROPOSED WORK SHOWN ABOVE.

COMMUNICATION NODE 315001.3

REFER TO SHEET 480 FOR COMM OVERVIEW DETAILS

CIP: 540007 – 100012
PID NUMBER: 99733

EXISTING COMMUNICATION NODE# 315001.3: SR-315 AT US-33/DUBLIN RD.
FIBER OPTIC SPLICING DIAGRAM

CITY OF COLUMBUS TRAFFIC SIGNAL SYSTEM
(CTSS) PHASE F – FINAL SUBMITTAL

EXISTING COMMUNICATION NODE EQUIPMENT CABINET (#2)

EXISTING LAYER 3 ETHERNET SWITCH - #1

Ports: 1 2 3 4 5 6 7 8 9 10 11 12

SFP Modules: 3 LH, 4 LH, 5 LH, 6 LH

SWITCH	PORT	STATUS	DESTINATION	SHEET NO
1	**3**	**REVISED**	**PROPOSED COMMUNICATION NODE# 670005.0: CLEVELAND AVE. AT I-670 (ROUTED)**	**728**
1	4	EXISTING	EXISTING COMMUNICATION NODE# 071110.9: ELEVENTH AVE. AT I-71 (ROUTED)	
1	5	EXISTING	EXISTING COMMUNICATION NODE# 670006.5: I-670 AT LEONARD AVE. (ROUTED)	714
1	6	EXISTING	EXISTING COMMUNICATION NODE# 070102.3: I-70 AT KELTON AVE. (ROUTED)	702

TO: CONTROL EQUIPMENT MONITOR

LAYER 3 ETHERNET SWITCH - #2 CTSS

1▲ 2▲ 3▲ 4▲ 5▲ 6▲ 7▲ 8▲ 9▲ 10▲ 11▲ 12▲
13▼ 14▼ 15▼ 16▼ 17▼ 18▼ 19▼ 20▼ 21▼ 22▼ 23▼ 24▼
25▼ 26▼ 27▼ 28▼

SWITCH	PORT	STATUS	DESTINATION	SHEET NO
2	25	EXISTING	EXISTING COMMUNICATION NODE# 070102.3: I-70 AT KELTON AVE. (TRUNK)	702
2	**26**	**REVISED**	**PROPOSED COMMUNICATION NODE# 670005.0: CLEVELAND AVE. AT I-670 (TRUNK)**	**728**
2	27	EXISTING	EXISTING COMMUNICATION NODE# 315001.3: SR-315 AT US-33/DUBLIN RD. (TRUNK)	731

SWITCH	PORT	STATUS	DESTINATION	SHEET NO
3	5	EXISTING	EXISTING COMMUNICATION NODE# 070102.3: I-70 AT KELTON AVE. (ROUTED)	702
3	6	EXISTING	EXISTING COMMUNICATION NODE# 070102.3: I-70 AT KELTON AVE. (TRUNK)	702

EXISTING LAYER 2 ETHERNET SWITCH - #3 (CTSS)

Ports: 1 2 3 4 5 6 7 8

SWITCH	PORT	STATUS	DESTINATION	SHEET NO
4	24	EXISTING	EXISTING COMMUNICATION NODE# 270049.0: I-270 AT ALUM CREEK DR. (ROUTED)	
4	25	EXISTING	EXISTING COMMUNICATION NODE# 071110.9: ELEVENTH AVE. AT I-71 (ROUTED)	
4	26	EXISTING	EXISTING COMMUNICATION NODE# 270032.2: I-270 AT MORSE RD. (ROUTED)	705
4	28	EXISTING	EXISTING COMMUNICATION NODE# 315004.4: SR-315 AT LANE AVE. (ROUTED)	

LAYER 3 ETHERNET SWITCH - #4 (CVE)

1▲ 2▲ 3▲ 4▲ 5▲ 6▲ 7▲ 8▲ 9▲ 10▲ 11▲ 12▲
13▼ 14▼ 15▼ 16▼ 17▼ 18▼ 19▼ 20▼ 21▼ 22▼ 23▼ 24▼
25▼ 26▼ 27▼ 28▼

1-4, 1-6, 1-5, 1-3 → 24 STRAND LC PATCH PANEL → 24SMF DROP CABLE

2-27, 2-25, 2-26 → 24 STRAND LC PATCH PANEL → 24SMF DROP CABLE

4-25, 4-26, 4-28, 4-24 → 24 STRAND LC PATCH PANEL → 24SMF DROP CABLE

3-5, 3-6 → 24 STRAND LC PATCH PANEL → 24SMF DROP CABLE

SEE 2643-E CTSS PHASE A FOR NODE CABINET (#2) AND INITIAL SPLICNG PLAN

LEGEND

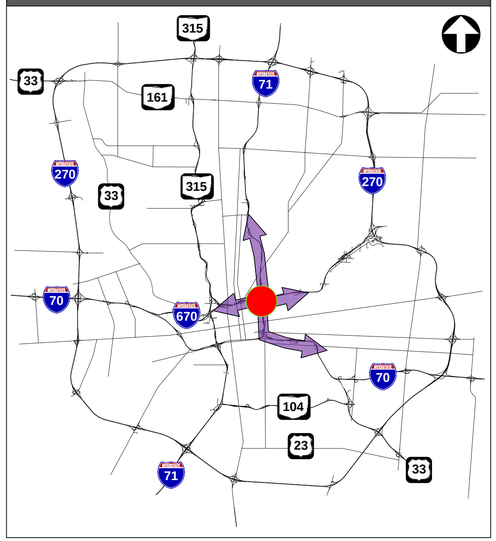
EQUIPMENT CABLE
- FIBER PATCH CABLES Tx/Tx
- FIBER PATCH CABLES Tx/Rx CROSSOVER
- EXISTING FIBER PATCH CABLES
- CAT 5E CABLE
- OUTDOOR CAT 5E CABLE

INTERCONNECT CABLE
- 288 STRAND SMF CABLE
- 144 STRAND SMF CABLE
- COLUMBUS FIBERNET SMF CABLE
- CITYNET SMF CABLE
- D.O.T. SMF CABLE

FIBER SPLICING (DARK/LIGHT – PROPOSED/EXISTING)
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- FUSION SPLICE – PARTIAL BUFFER TUBE
- FUSION SPLICE – SINGLE FIBER
- COILED FIBER OR BUFFER TUBE
- # - # SWITCH # - PORT #

EQUIPMENT AND TERMINATION CABINET
- LH ZX — GBIC OPTICAL TRANSCEIVER; LH - SHORT HAUL; ZX – LONG HAUL
- 8P8C CONNECTOR
- EMPTY SFP MODULE BAY
- LC TERMINATION – SINGLE FIBER
- TERMINATION PANEL UPC (Blue)/APC (Green)
- WIRELESS ETHERNET RADIO

KEY PLAN



NOTES

1. NO NEW SPLICING OR PATCHING AT THIS COMMUNICATION NODE SITE. SHEET UPDATED TO REFLECT REVISED PORT DESTINATIONS.

COMMUNICATION NODE 071109.0

REFER TO SHEET 480 FOR COMM OVERVIEW DETAILS

CIP: 540007 – 100012
PID NUMBER: 99733

EXISTING COMMUNICATION NODE# 071109.0: I-71 AT I-670
COMMUNICATIONS DIAGRAM

CITY OF COLUMBUS TRAFFIC SIGNAL SYSTEM
(CTSS) PHASE F – FINAL SUBMITTAL

734
768

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EXISTING LAYER 3 ETHERNET SWITCH - #1

SFP Modules / Ports

Ports	1	2	3	4	5	6	7	8	9	10	11	12
	LH	LH	LH	LH	LH	LH	LH	LH	LH	LH	LH	LH

Ports	13	14	15	16	17	18	19	20	21	22	23	24
	LH	LH	LH									

SFP Modules

EXISTING LAYER 3 ETHERNET SWITCH - #2

Ports / SFP Modules

25	26	27	28
LH	LH	LH	

LAYER 3 ETHERNET SWITCH - #3 (CVE)

Copper Ports / SFP Ports

1	2	3	4	5	6	7	8	9	10	11	12	25	26	27	28
13	14	15	16	17	18	19	20	21	22	23	24	LH	ZX		

LEGEND

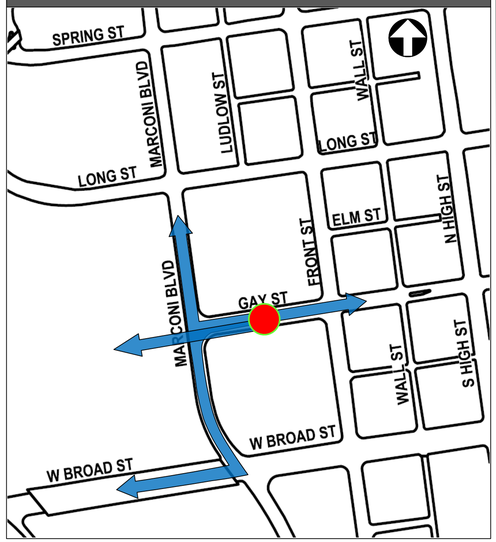
EQUIPMENT CABLE
- FIBER PATCH CABLES Tx/Tx
- FIBER PATCH CABLES Tx/Rx CROSSOVER
- EXISTING FIBER PATCH CABLES
- CAT 5E CABLE
- OUTDOOR CAT 5E CABLE

INTERCONNECT CABLE
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- 144 STRAND SMF CABLE
- COLUMBUS FIBERNET SMF CABLE
- CITYNET SMF CABLE
- D.O.T. SMF CABLE

FIBER SPLICING (DARK/LIGHT – PROPOSED/EXISTING)
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- FUSION SPLICE – SINGLE FIBER
- COILED FIBER OR BUFFER TUBE
- # - # SWITCH # - PORT #

EQUIPMENT AND TERMINATION CABINET
- LH / ZX GBIC OPTICAL TRANSCEIVER; LH - SHORT HAUL; ZX – LONG HAUL
- 8P8C CONNECTOR
- EMPTY SFP MODULE BAY
- LC TERMINATION – SINGLE FIBER
- TERMINATION PANEL UPC (Blue)/APC (Green)
- WIRELESS ETHERNET RADIO

KEY PLAN



EXISTING 144 STRAND DROP CABLE (TRUNK – GAY ST.)

EAST

1-1 BLUE TUBE
1-2
1-5
1-6
1-7
1-8

ORANGE TUBE

GREEN TUBE

1-9 WHITE TUBE
3-25

SEE 2953-E CTSS PHASE C FOR INITIAL SPLICING PLAN OF DROP CABLE

WEST

1-3 RED TUBE
1-13
1-11
1-10

BLACK TUBE

YELLOW TUBE

1-4

EXISTING CTSS 4RU PATCH PANEL

3-26

2-27

EX. METRONET FIBER TO 1881 E 25TH AVE

EXISTING 144 STRAND DROP CABLE (TRUNK – BROAD ST.)

CTSS 4RU STRAND LC PATCH PANEL

WEST BLUE TUBE

SEE 2953-E CTSS PHASE C FOR INITIAL SPLICING PLAN OF DROP CABLE

MATCHLINE A - SEE SHEET 736

144SMF DROP CABLE[2] LOWER SCIOTO GREENWAY (DoT TRUNK)

144SMF DROP CABLE[2] LOWER SCIOTO GREENWAY (CTSS TRUNK)

DoT 4RU PATCH PANEL

K L M N O P

WEST
BLUE TUBE
ORANGE TUBE
GREEN TUBE
BROWN TUBE
SLATE TUBE
WHITE TUBE
RED TUBE
BLACK TUBE
YELLOW TUBE
VIOLET TUBE
ROSE TUBE
AQUA TUBE

CTSS 4RU PATCH PANEL

WEST
BLUE TUBE
ORANGE TUBE
GREEN TUBE
BROWN TUBE
SLATE TUBE
WHITE TUBE
RED TUBE
BLACK TUBE
YELLOW TUBE
VIOLET TUBE
ROSE TUBE
AQUA TUBE

[2] PATCH PANEL DROP CABLES SHALL BE FACTORY PRE-TERMINATED AND OF SUFFICIENT LENGTH TO REACH ADJACENT UNDERGROUND OR OVERHEAD ENCLOSURE SPLICE LOCATION.

INACTIVE FIBERS, PATCHING, AND PATCH PANEL CONNECTIONS ARE NOT SHOWN ON THIS SHEET FOR CLARITY

SEE SHEET **736** FOR ETHERNET LAYER 3 SWITCHES PORT DESTINATIONS.

TMC COMMUNICATION HUB

REFER TO SHEET 480 FOR COMM OVERVIEW DETAILS

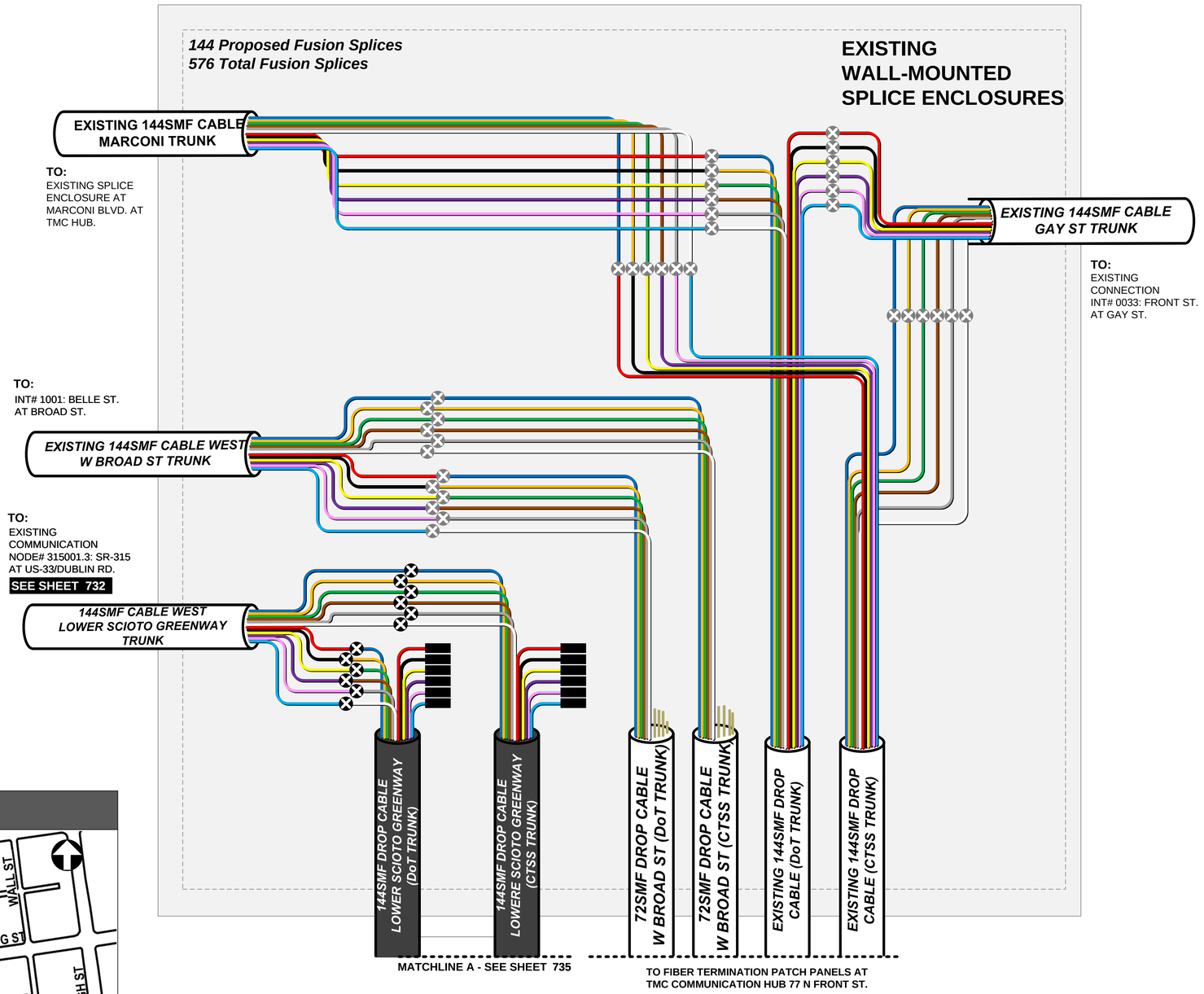
CIP: 540007 – 100012
PID NUMBER: 99733

TMC COMMUNICATION HUB: 77 N FRONT ST.
COMMUNICATIONS DIAGRAM

CITY OF COLUMBUS TRAFFIC SIGNAL SYSTEM
(CTSS) PHASE F – FINAL SUBMITTAL

TMC COMMUNICATION HUB: 77 N FRONT ST. ETHERNET SWITCH LAYER 3 PORT DESTINATIONS

1	1	EXISTING	INT# 0033: FRONT ST. AT GAY ST.	
1	2	EXISTING	INT# 0034: GAY ST. AT HIGH ST.	
1	3	EXISTING	INT# 0039: BROAD ST. AT CIVIC CENTER DR. & MARCONI BLVD.	
1	4	EXISTING	INT# 0022: LONG ST. AT MARCONI BLVD.	
1	5	EXISTING	INT# 0035: GAY ST. AT THIRD ST.	
1	6	EXISTING	INT# 0036: FOURTH ST. AT GAY ST	
1	7	EXISTING	INT# 0056: STATE ST. AT THIRD ST.	
1	8	EXISTING	EXISTING COMMUNICATION NODE# 071109.0: I-71 AT I-670 (ROUTED)	734
1	9	EXISTING	EXISTING COMMUNICATION NODE# 071109.0: I-71 AT I-670 (TRUNK)	734
1	10	EXISTING	INT# 2007: LIVINGSTON AVE. AT PARSONS AVE.	
1	11	EXISTING	INT# 0090: LIVINGSTON AVE. AT FRONT ST.	
1	13	EXISTING	INT# 0073: MAIN ST. AT SECOND ST.	
1	**14**	**PROPOSED**	**EXISTING COMMUNICATION NODE# 315001.3: SR-315 AT US-33/DUBLIN RD. (ROUTED)**	**731**
1	**15**	**PROPOSED**	**EXISTING COMMUNICATION NODE# 315001.3: SR-315 AT US-33/DUBLIN RD. (TRUNK)**	**731**
2	25	EXISTING	TMC – via METRONET FIBER	
2	26	EXISTING	CITY HALL – GTC3	
2	27	EXISTING	EXISTING COMMUNICATION NODE# 315000.9: SR-315 AT W BROAD ST. (ROUTED)	
3	13	EXISTING	EXISTING COMMUNICATION NODE# 071109.0: I-71 AT I-670	734
3	14	EXISTING	TMC COMMUNICATION HUB: 1881 E TWENTY-FIFTH AVE.	



LEGEND

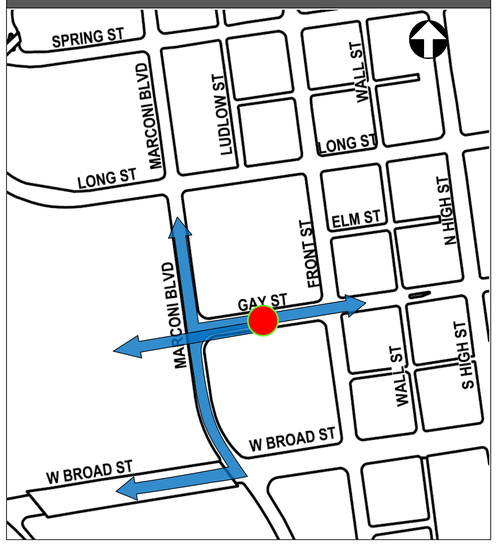
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- LH / ZX GBIC OPTICAL TRANSCEIVER LH - SHORT HAUL ZX – LONG HAUL
- 8P8C CONNECTOR
- EMPTY SFP MODULE BAY
- LC TERMINATION – SINGLE FIBER
- TERMINATION PANEL UPC (Blue)/APC (Green)
- WIRELESS ETHERNET RADIO

KEY PLAN



TMC COMMUNICATION HUB
REFER TO SHEET 480 FOR COMM OVERVIEW DETAILS

CIP: 540007 – 100012
PID NUMBER: 99733

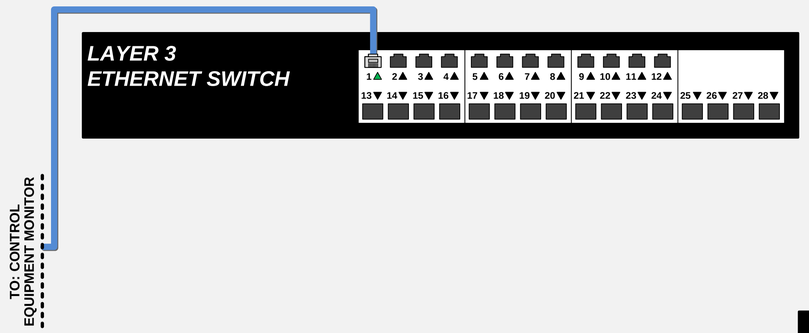
TMC COMMUNICATION HUB: 77 N FRONT ST.
FIBER OPTIC SPLICING DIAGRAM

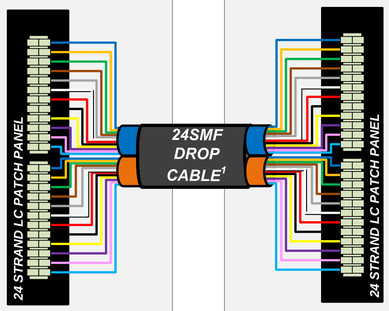
CITY OF COLUMBUS TRAFFIC SIGNAL SYSTEM
(CTSS) PHASE F – FINAL SUBMITTAL

736
768

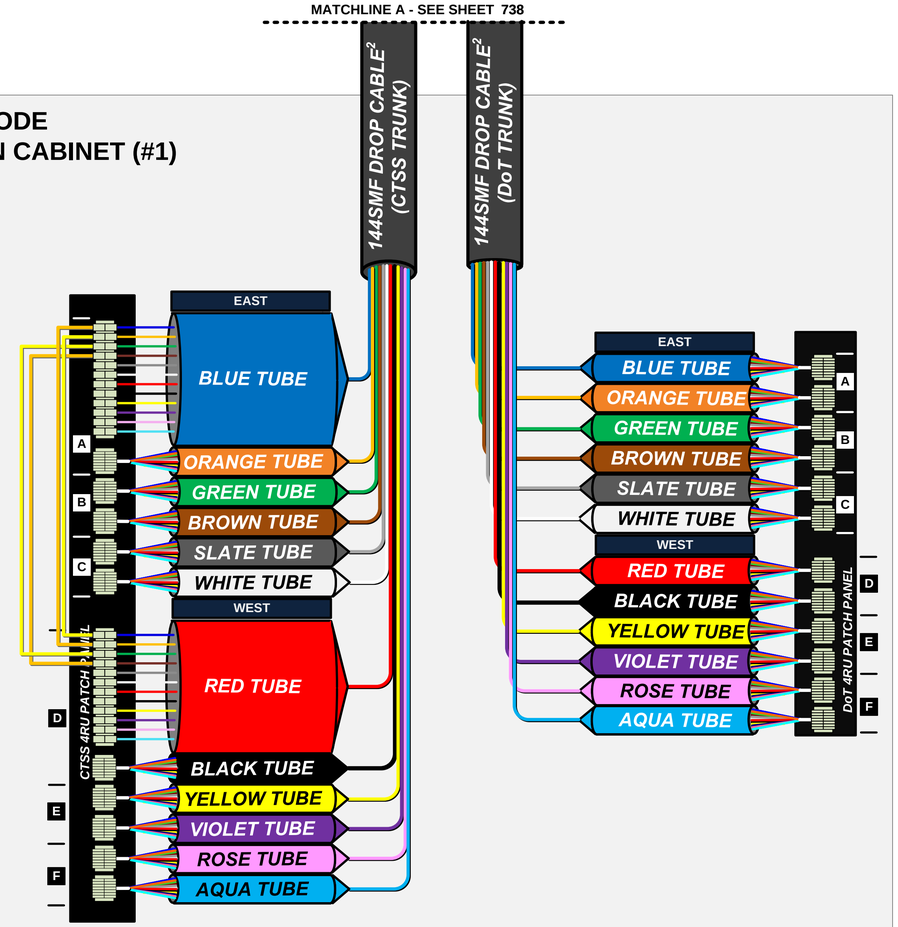
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COMMUNICATION NODE EQUIPMENT CABINET (#2)





COMMUNICATION NODE FIBER TERMINATION CABINET (#1)



LEGEND

EQUIPMENT CABLE

- FIBER PATCH CABLES Tx/Tx
- FIBER PATCH CABLES Tx/Rx CROSSOVER
- EXISTING FIBER PATCH CABLES
- CAT 5E CABLE
- OUTDOOR CAT 5E CABLE

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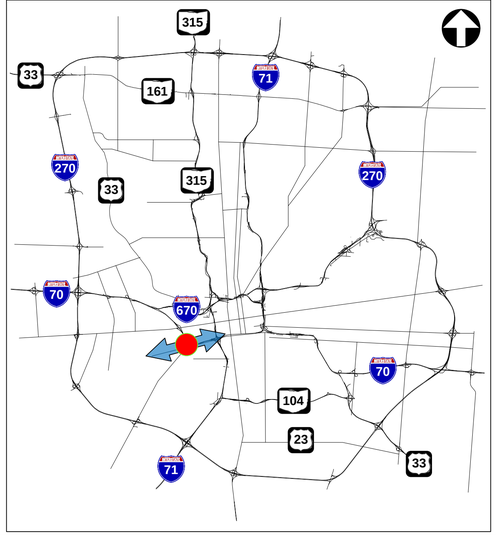
FIBER SPLICING (DARK/LIGHT – PROPOSED/EXISTING)

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- COILED FIBER OR BUFFER TUBE
- # - # SWITCH # - PORT #

EQUIPMENT AND TERMINATION CABINET

- LH / ZX GBIC OPTICAL TRANSCEIVER — LH - SHORT HAUL, ZX – LONG HAUL
- 8P8C CONNECTOR
- EMPTY SFP MODULE BAY
- LC TERMINATION – SINGLE FIBER
- TERMINATION PANEL — UPC (Blue)/APC (Green)
- WIRELESS ETHERNET RADIO

KEY PLAN



NOTES

[1] PRE-TERMINATED 24SMF CABLE INSTALLED IN 4" CONDUIT CONNECTING CABINETS.

[2] PATCH PANEL DROP CABLES SHALL BE FACTORY PRE-TERMINATED AND OF SUFFICIENT LENGTH TO REACH ADJACENT UNDERGROUND OR OVERHEAD ENCLOSURE SPLICE LOCATION.

COMMUNICATION NODE 070098.3

REFER TO SHEET 409 FOR CONSTRUCTION PLAN DETAILS
REFER TO SHEET 476 FOR COMM OVERVIEW DETAILS

CIP: 540007 – 100012
PID NUMBER: 99733

PROPOSED COMMUNICATION NODE# 070098.3: I-70 AT MOUND ST.
COMMUNICATIONS DIAGRAM

CITY OF COLUMBUS TRAFFIC SIGNAL SYSTEM
(CTSS) PHASE F – FINAL SUBMITTAL

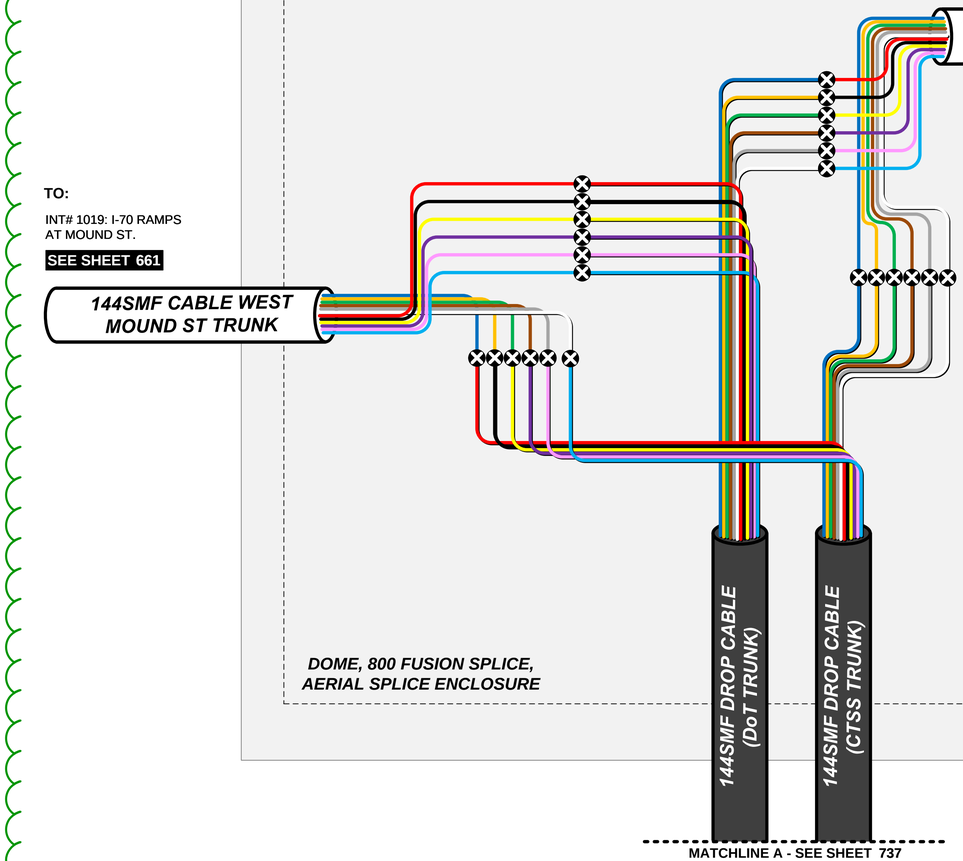
737
768

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PROPOSED AERIAL SPLICE ENCLOSURE

4 Cable Entries
288 Fusion Splices



LEGEND

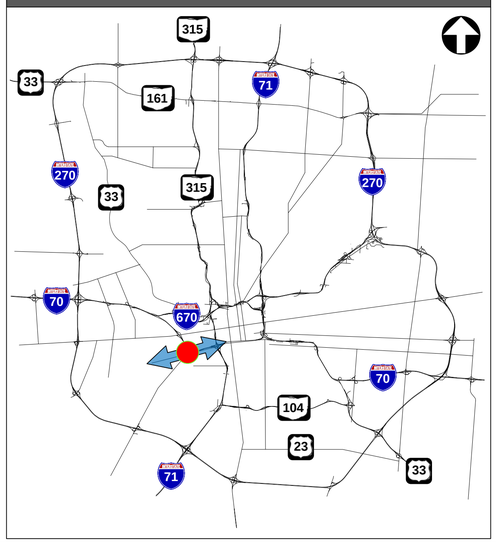
EQUIPMENT CABLE
- FIBER PATCH CABLES Tx/Tx
- FIBER PATCH CABLES Tx/Rx CROSSOVER
- EXISTING FIBER PATCH CABLES
- CAT 5E CABLE
- OUTDOOR CAT 5E CABLE

INTERCONNECT CABLE
- 288 STRAND SMF CABLE
- 144 STRAND SMF CABLE
- COLUMBUS FIBERNET SMF CABLE
- CITYNET SMF CABLE
- D.O.T. SMF CABLE

FIBER SPLICING (DARK/LIGHT – PROPOSED/EXISTING)
- FUSION SPLICE – 12 FIBER BUFFER TUBE
- FUSION SPLICE – PARTIAL BUFFER TUBE
- FUSION SPLICE – SINGLE FIBER
- COILED FIBER OR BUFFER TUBE
- # - # SWITCH # - PORT #

EQUIPMENT AND TERMINATION CABINET
- LH ZX GBIC OPTICAL TRANSCEIVER LH - SHORT HAUL ZX – LONG HAUL
- 8P8C CONNECTOR
- EMPTY SFP MODULE BAY
- LC TERMINATION – SINGLE FIBER
- TERMINATION PANEL UPC (Blue)/APC (Green)
- WIRELESS ETHERNET RADIO

KEY PLAN



4 DRAFT REVISION 4.0

COMMUNICATION NODE 070098.3

REFER TO SHEET 409 FOR CONSTRUCTION PLAN DETAILS
REFER TO SHEET 476 FOR COMM OVERVIEW DETAILS

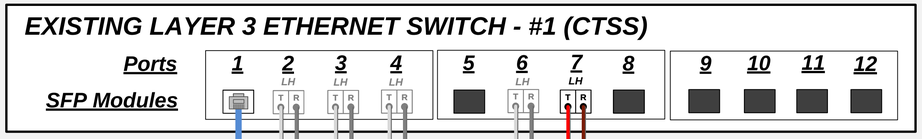
CIP: 540007 – 100012
PID NUMBER: 99733

PROPOSED COMMUNICATION NODE# 070098.3: I-70 AT MOUND ST.
FIBER OPTIC SPLICING DIAGRAM

CITY OF COLUMBUS TRAFFIC SIGNAL SYSTEM
(CTSS) PHASE F – FINAL SUBMITTAL

COMMUNICATION NODE EQUIPMENT CABINET (#2)

EXISTING LAYER 3 ETHERNET SWITCH - #1 (CTSS)



TO: CONTROL EQUIPMENT MONITOR

24 STRAND LC PATCH PANEL

24SMF DROP CABLE

24 STRAND LC PATCH PANEL

SWITCH	PORT	STATUS	DESTINATION	SHEET NO
1	2	EXISTING	EXISTING COMMUNICATION NODE# 270004.5: I-270 AT GEORGESVILLE RD. (ROUTED)	
1	3	EXISTING	INT# 1093: BRIGGS RD. AT HARRISBURD PKE.	
1	4	EXISTING	INT# 1090: ALKIRE RD. AT HARRISBURG PIKE	672
1	6	EXISTING	EXISTING COMMUNICATION NODE# 270055.0: I-270 AT I-71 (ROUTED)	740
1	**7**	**PROPOSED**	**INT# 1112: GANTZ RD. AT HARDY PKWY.**	**660**

COMMUNICATION NODE FIBER TERMINATION CABINET (#1)

EXISTING 144 STRAND DROP CABLE (TRUNK – HARRISBURG PIKE)

CTSS 144 STRAND LC PATCH PANEL

NORTH

BLUE TUBE

SEE 3150-E CTSS PHASE D FOR INITIAL SPLICING PLAN OF DROP CABLE

EXISTING 144 STRAND DROP CABLE (BACKBONE – NODE 270055.0 SEE SHEET 740)

CTSS 144 STRAND LC PATCH PANEL

EAST

BLUE TUBE

BLACK TUBE

BROWN TUBE

RED TUBE

SEE 3150-E CTSS PHASE D FOR INITIAL SPLICING PLAN OF DROP CABLE

EXISTING 144 STRAND DROP CABLE (BACKBONE – NODE 270004.5)

CTSS 144 STRAND LC PATCH PANEL

WEST

BLUE TUBE

RED TUBE

BLACK TUBE

SEE 3150-E CTSS PHASE D FOR INITIAL SPLICING PLAN OF DROP CABLE

LEGEND

EQUIPMENT CABLE

- FIBER PATCH CABLES Tx/Tx
- FIBER PATCH CABLES Tx/Rx CROSSOVER
- EXISTING FIBER PATCH CABLES
- CAT 5E CABLE
- OUTDOOR CAT 5E CABLE

INTERCONNECT CABLE

- 288 STRAND SMF CABLE
- 144 STRAND SMF CABLE
- COLUMBUS FIBERNET SMF CABLE
- CITYNET SMF CABLE
- D.O.T. SMF CABLE

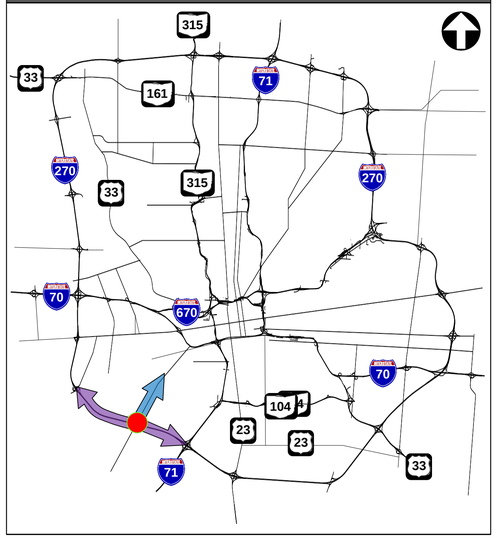
FIBER SPLICING (DARK/LIGHT – PROPOSED/EXISTING)

- FUSION SPLICE – 12 FIBER BUFFER TUBE
- FUSION SPLICE – PARTIAL BUFFER TUBE
- FUSION SPLICE – SINGLE FIBER
- COILED FIBER OR BUFFER TUBE
- # - # SWITCH # - PORT #

EQUIPMENT AND TERMINATION CABINET

- LH / ZX — GBIC OPTICAL TRANSCEIVER; LH - SHORT HAUL; ZX – LONG HAUL
- 8P8C CONNECTOR
- EMPTY SFP MODULE BAY
- LC TERMINATION – SINGLE FIBER
- TERMINATION PANEL UPC (Blue)/APC (Green)
- WIRELESS ETHERNET RADIO

KEY PLAN



NOTES

INACTIVE FIBERS, AND PATCH PANEL CONNECTIONS ARE NOT SHOWN ON THIS SHEET FOR CLARITY. PROPOSED PATCHING IS SHOWN IN COLOR IN THE DIAGRAM ABOVE.

9 DRAFT REVISION 9.0

COMMUNICATION NODE 270002.1

REFER TO SHEET 481 FOR COMM OVERVIEW DETAILS

CIP: 540007 – 100012
PID NUMBER: 99733

COMMUNICATION NODE# 270002.1: HARRISBURG PKE. AT I-270
COMMUNICATIONS DIAGRAM

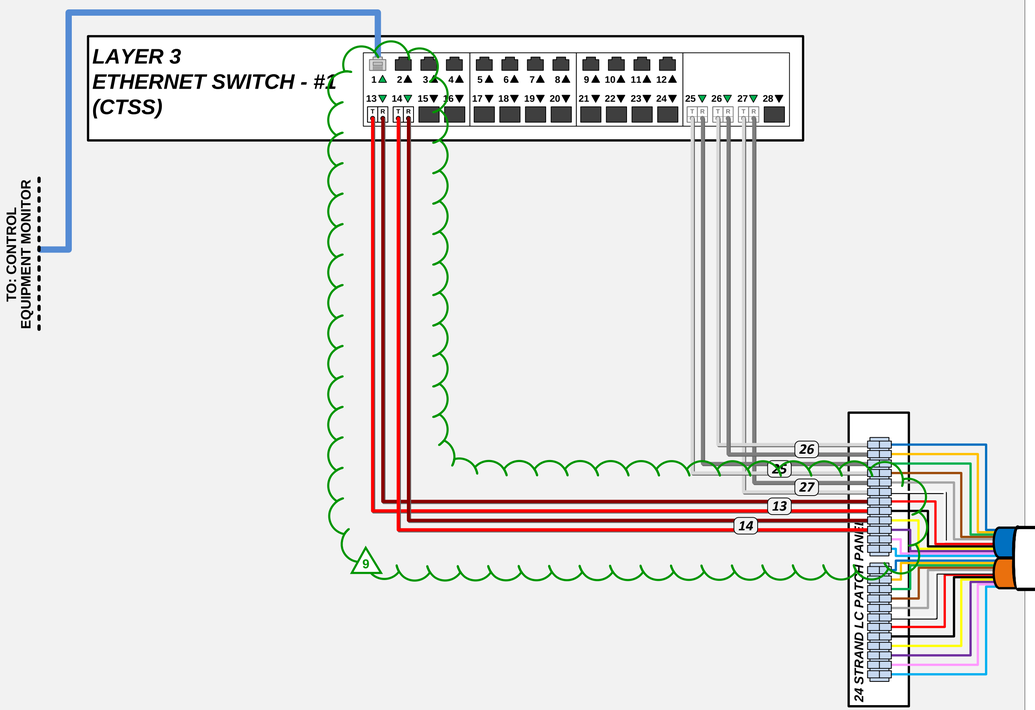
EXISTING COMMUNICATION NODE

CITY OF COLUMBUS TRAFFIC SIGNAL SYSTEM
(CTSS) PHASE F – FINAL SUBMITTAL

739
768

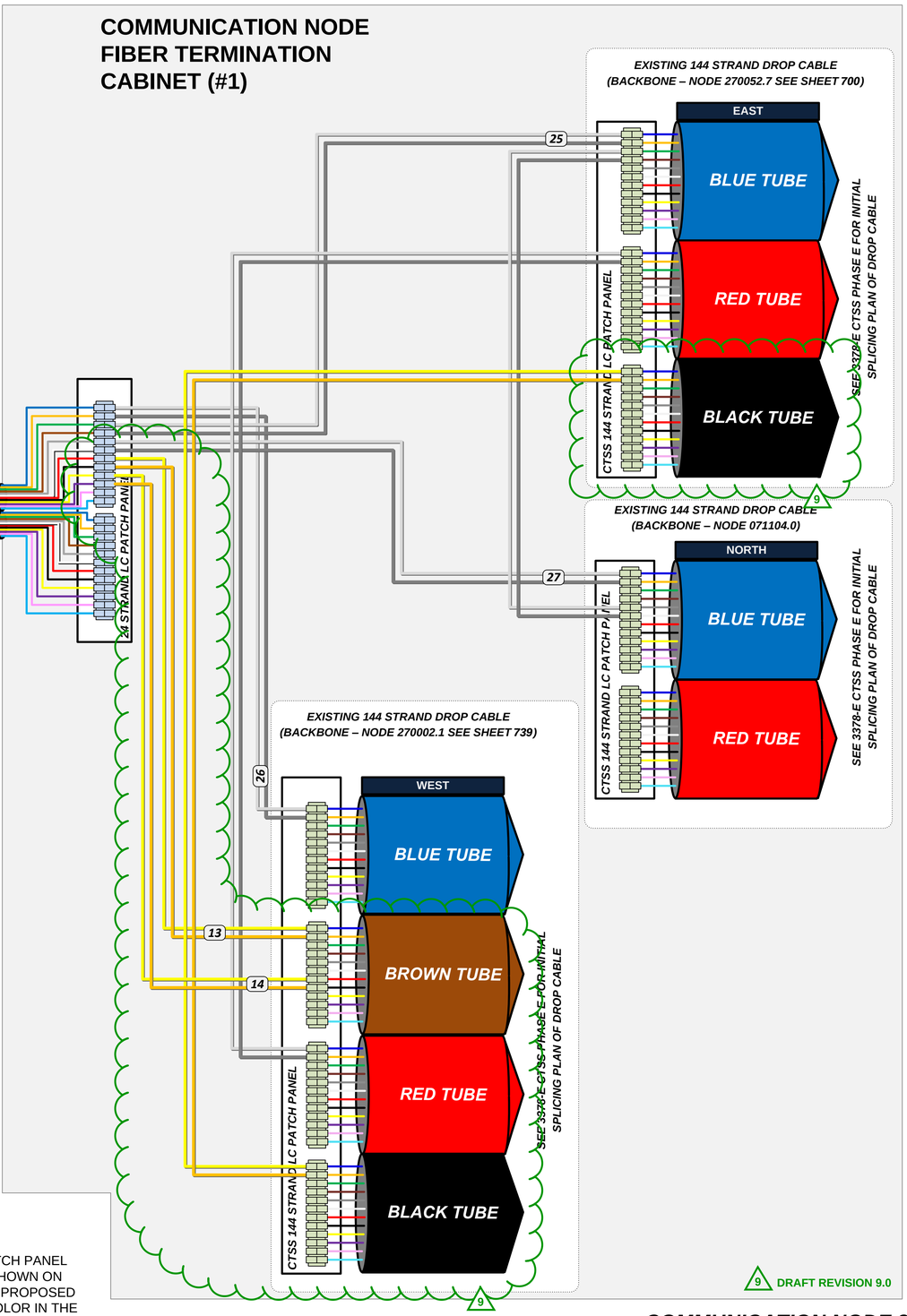
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COMMUNICATION NODE EQUIPMENT CABINET (#2)



SWITCH	PORT	STATUS	DESTINATION	SHEET NO
1	13	PROPOSED	INT# 1112: GANTZ RD. AT HARDY PKWY.	660
1	14	PROPOSED	INT GANTZ RD. AT DYER RD. (FCEO)	-
1	25	EXISTING	EXISTING COMMUNICATION NODE# 270052.7: HIGH ST. AT I-270 (ROUTED)	700
1	26	EXISTING	EXISTING COMMUNICATION NODE# 270002.1: HARRISBURG PKE. AT I-270 (ROUTED)	739
1	27	EXISTING	EXISTING COMMUNICATION NODE# 071104.0: I-71 AT SR-104 (ROUTED)	

COMMUNICATION NODE FIBER TERMINATION CABINET (#1)



LEGEND

EQUIPMENT CABLE

- FIBER PATCH CABLES Tx/Tx
- FIBER PATCH CABLES Tx/Rx CROSSOVER
- EXISTING FIBER PATCH CABLES
- CAT 5E CABLE
- OUTDOOR CAT 5E CABLE

INTERCONNECT CABLE

- 288 STRAND SMF CABLE
- 144 STRAND SMF CABLE
- COLUMBUS FIBERNET SMF CABLE
- CITYNET SMF CABLE
- D.O.T. SMF CABLE

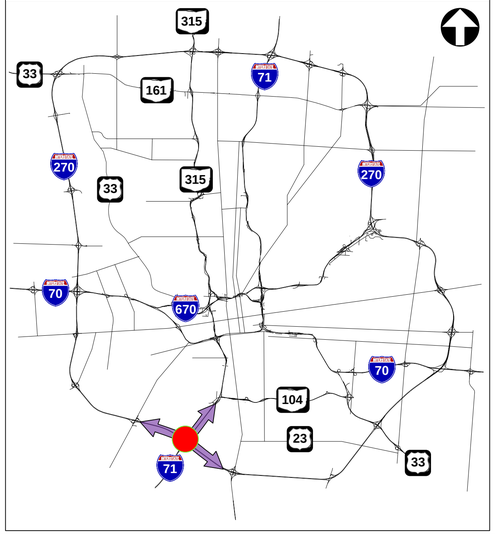
FIBER SPLICING (DARK/LIGHT – PROPOSED/EXISTING)

- FUSION SPLICE – 12 FIBER BUFFER TUBE
- FUSION SPLICE – PARTIAL BUFFER TUBE
- FUSION SPLICE – SINGLE FIBER
- COILED FIBER OR BUFFER TUBE
- # - # SWITCH # - PORT #

EQUIPMENT AND TERMINATION CABINET

- LH / ZX — GBIC OPTICAL TRANSCEIVER; LH - SHORT HAUL; ZX – LONG HAUL
- 8P8C CONNECTOR
- EMPTY SFP MODULE BAY
- LC TERMINATION – SINGLE FIBER
- TERMINATION PANEL; UPC (Blue)/APC (Green)
- WIRELESS ETHERNET RADIO

KEY PLAN



NOTES

INACTIVE FIBERS, AND PATCH PANEL CONNECTIONS ARE NOT SHOWN ON THIS SHEET FOR CLARITY. PROPOSED PATCHING IS SHOWN IN COLOR IN THE DIAGRAM ABOVE.

COMMUNICATION NODE 270055.0

REFER TO SHEET 481 FOR COMM OVERVIEW DETAILS

CIP: 540007 – 100012
PID NUMBER: 99733

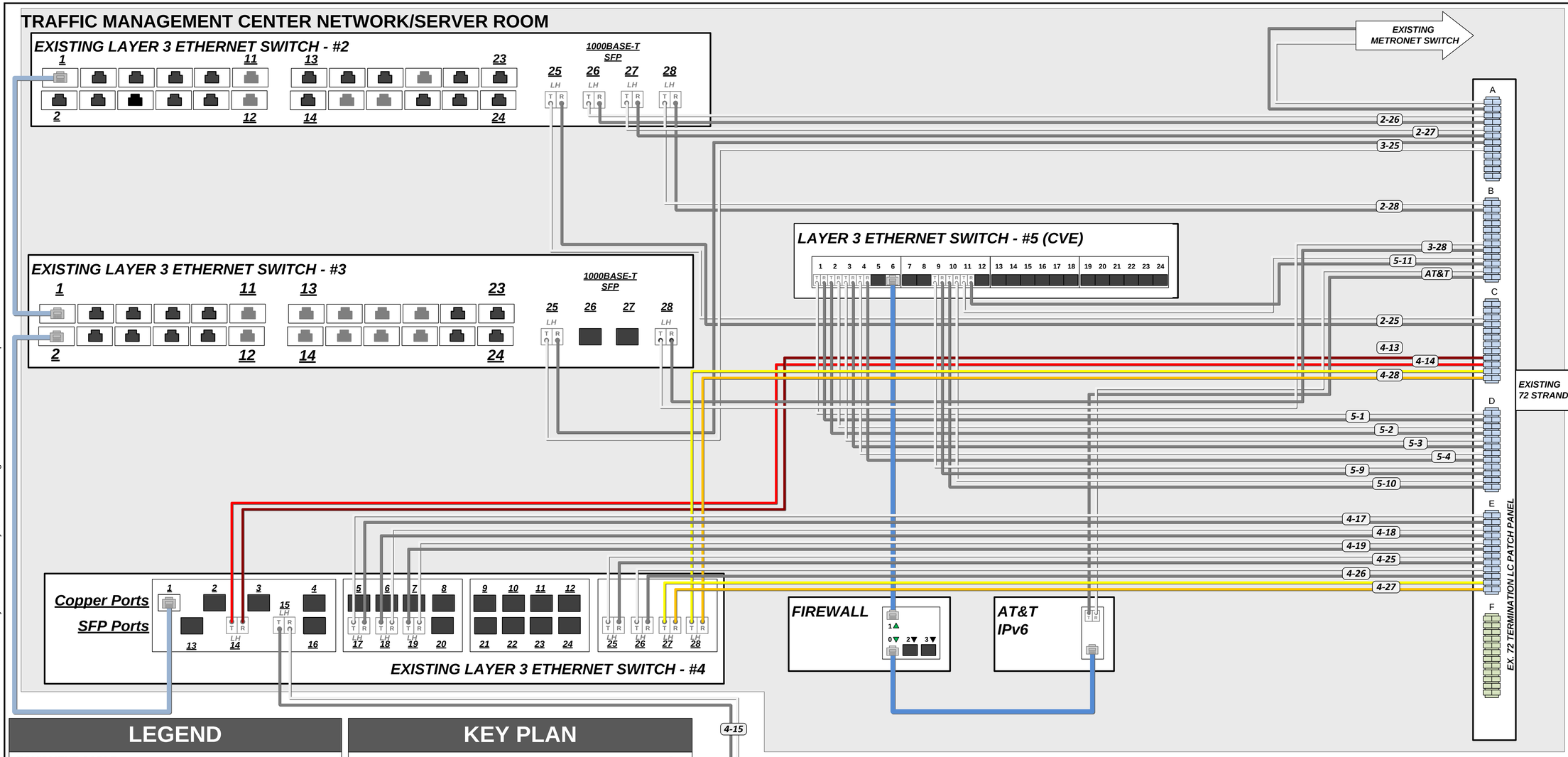
EXISTING COMMUNICATIONS NODE# 270055.0: I-270 AT I-71
COMMUNICATIONS DIAGRAM

CITY OF COLUMBUS TRAFFIC SIGNAL SYSTEM
(CTSS) PHASE F – FINAL SUBMITTAL

740
768

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TRAFFIC MANAGEMENT CENTER NETWORK/SERVER ROOM



LEGEND

EQUIPMENT CABLE

- FIBER PATCH CABLES Tx/Tx
- FIBER PATCH CABLES Tx/Rx CROSSOVER
- EXISTING FIBER PATCH CABLES
- CAT 5E CABLE
- OUTDOOR CAT 5E CABLE

INTERCONNECT CABLE

- 288 STRAND SMF CABLE
- 144 STRAND SMF CABLE
- COLUMBUS FIBERNET SMF CABLE
- CITYNET SMF CABLE
- D.O.T. SMF CABLE

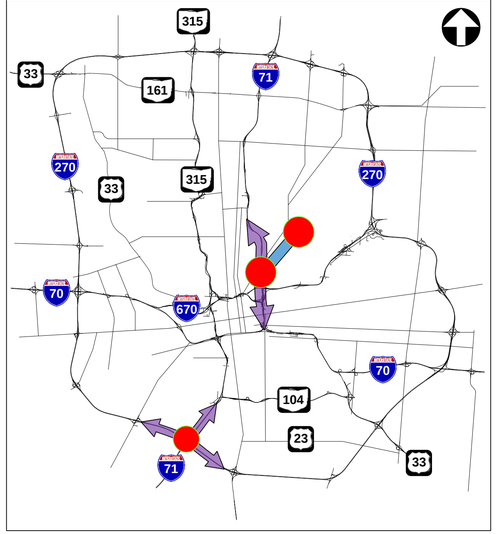
FIBER SPLICING (DARK/LIGHT – PROPOSED/EXISTING)

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- FUSION SPLICE – PARTIAL BUFFER TUBE
- FUSION SPLICE – SINGLE FIBER
- COILED FIBER OR BUFFER TUBE
- # - # SWITCH # - PORT #

EQUIPMENT AND TERMINATION CABINET

- LH / ZX – GBIC OPTICAL TRANSCEIVER; LH - SHORT HAUL; ZX – LONG HAUL
- 8P8C CONNECTOR
- EMPTY SFP MODULE BAY
- LC TERMINATION – SINGLE FIBER
- TERMINATION PANEL UPC (Blue)/APC (Green)
- WIRELESS ETHERNET RADIO

KEY PLAN



SWITCH	PORT	STATUS	DESTINATION	SHEET NO
2	25	EXISTING	TMC COMMUNICATION HUB: 77 N FRONT ST.	735
2	26	EXISTING	EXISTING COMMUNICATION NODE# 270025.9: I-270 AT I-71	694
2	27	EXISTING	EXISTING COMMUNICATION NODE# 071113.4: I-71 AT E NORTH BROADWAY	
2	28	EXISTING	EXISTING CONNECTION TO SIGNAL SHOP	
3	25	EXISTING	EXISTING COMMUNICATION NODE# 071110.9: I-71 AT ELEVENTH AVE.	
3	28	EXISTING	CVE LAB TEST SWITCH	
4	**14**	**PROPOSED**	**INT# 3100: AIRPORT DR./LEONARD AVE. AT SUNBURY RD.**	**585**
4	15	EXISTING	17TH AVE. TRAFFIC MAINTENANCE SHOP	
4	17	EXISTING	INT# 3145: JOYCE AVE. AT MAYNARD AVE.	
4	18	EXISTING	INT# SIG4005: AGLER RD. AT PURDUE AVE.	
4	19	EXISTING	INT# 3019: CLEVELAND AVE. AT DUXBERRY AVE.	
4	25	EXISTING	COMMUNICATION NODE 071110.9: I-71 AT ELEVENTH AVE. (TRUNK LINK)	
4	26	EXISTING	COMMUNICATION NODE 071110.9: I-71 AT ELEVENTH AVE. (TRUNK LINK)	
4	**27**	**PROPOSED**	**PROPOSED COMMUNICATION NODE# 670007.5: FIFTH AVE. AT I-670 (ROUTED)**	**712**
4	**28**	**PROPOSED**	**PROPOSED COMMUNICATION NODE# 670007.5: FIFTH AVE. AT I-670 (TRUNK)**	**712**
5	1	EXISTING	INT# 3020: CLEVELAND AVE. AT HUDSON ST.	
5	2	EXISTING	INT# 3019: CLEVELAND AVE. AT DUXBERRY AVE.	
5	3	EXISTING	COMMUNICATION NODE 071110.9: I-71 AT ELEVENTH AVE. (ROUTED)	
5	4	EXISTING	COMMUNICATION NODE 071110.9: I-71 AT ELEVENTH AVE. (TRUNK LINK)	
5	6	EXISTING	NETWORK FIREWALL TO AT&T IPv6 DEVICE	
5	9	EXISTING	COMMUNICATION NODE 071116.2: I-71 AT MORSE RD. (TRUNK)	
5	10	EXISTING	TMC COMMUNICATION HUB: 77 N FRONT ST.	735
5	11	EXISTING	TRAINING FACILITY COMMUNICATIONS OOM - SWITCH #7 (ROUTED)	

TMC COMMUNICATIONS HUB
1881 E 25TH AVE.

REFER TO SHEET 470 FOR COMM OVERVIEW DETAILS

CIP: 540007 – 100012
PID NUMBER: 99733

TMC COMMUNICATIONS: E TWENTY-FIFTH AVE
COMMUNICATIONS DIAGRAM

CITY OF COLUMBUS TRAFFIC SIGNAL SYSTEM
(CTSS) PHASE F – FINAL SUBMITTAL

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SERVICE DROP

AT&T ROUTER

INSTALL FIBER PATCH CABLE BETWEEN ROOMS

1881 E 25TH AVE MECHANICAL ROOM

1881 E 25TH AVE TRAINING FACILITY COMMUNICATIONS ROOM

LAYER 3 ETHERNET SWITCH - #6

PORT 2 – 10.90.235.0/24

LAYER 3 ETHERNET SWITCH - #7

EXISTING CAT 6 CABLE BETWEEN ROOMS

MATCHLINE TO CONFERENCE ROOM D

SWITCH	PORT	STATUS	DESTINATION	SHEET NO
6	1	EXISTING	TMC COMMUNCATIONS ROOM - SWITCH #3 (ROUTED)	741
6	2	EXISTING	CONFERENCE ROOM 'D' - SWITCH #8 (LAYER 2)	
7	1	EXISTING	TMC COMMUNICATIONS ROOM - SWITCH #5 (ROUTED)	741
7	2	EXISTING	CONFERENCE ROOM 'D' - SWITCH #7 (LAYER 2)	

LEGEND

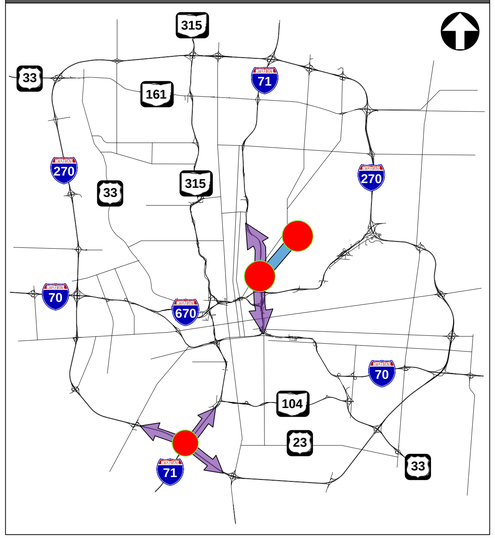
EQUIPMENT CABLE
- FIBER PATCH CABLES Tx/Tx
- FIBER PATCH CABLES Tx/Rx CROSSOVER
- EXISTING FIBER PATCH CABLES
- CAT 5E CABLE
- OUTDOOR CAT 5E CABLE

INTERCONNECT CABLE
- 288 STRAND SMF CABLE
- 144 STRAND SMF CABLE
- COLUMBUS FIBERNET SMF CABLE
- CITYNET SMF CABLE
- D.O.T. SMF CABLE

FIBER SPLICING (DARK/LIGHT – PROPOSED/EXISTING)
- FUSION SPLICE – 12 FIBER BUFFER TUBE
- FUSION SPLICE – PARTIAL BUFFER TUBE
- FUSION SPLICE – SINGLE FIBER
- COILED FIBER OR BUFFER TUBE
- # - # SWITCH # - PORT #

EQUIPMENT AND TERMINATION CABINET
- LH / ZX: GBIC OPTICAL TRANSCEIVER, LH - SHORT HAUL, ZX – LONG HAUL
- 8P8C CONNECTOR
- EMPTY SFP MODULE BAY
- LC TERMINATION – SINGLE FIBER
- TERMINATION PANEL UPC (Blue)/APC (Green)
- WIRELESS ETHERNET RADIO

KEY PLAN



TO: TMC NETWORK/ SERVER ROOM SEE SHEET 793

EXISTING 72 STRAND CABLE

EX. 72 TERMINATION LC PATCH PANEL

A
B
C
D
E
F

7-1
6-1
AT&T

SIGNAL WORKSHOP
2-28

EXISTING METRONET SWITCH
2-26
EX. COMMUNICATIONS NODE 270025.9
2-25
EX. METRONET FIBER TO 77 N FRONT ST
5-10
EX. METRONET FIBER TO 77 N FRONT ST

EXISTING 144 STRAND DROP CABLE (BACKBONE – IR-71/TMC)

CTSS 144 STRAND LC PATCH PANEL

WEST
BLUE TUBE
ORANGE TUBE
GREEN TUBE

SEE 3150-E CTSS PHASE D FOR INITIAL SPLICING PLAN OF DROP CABLE

3-25
2-27
5-3
5-4
5-9

EXISTING 144 STRAND DROP CABLE (TRUNK – JOYCE AVE.)

CTSS 144 STRAND LC PATCH PANEL

NORTH
BLUE TUBE
ORANGE TUBE

SEE 3150-E CTSS PHASE D FOR INITIAL SPLICING PLAN OF DROP CABLE

4-17
4-18
4-19
4-25
4-26
5-1
5-2

EXISTING 144 STRAND DROP CABLE (TRUNK – JOYCE AVE.)

CTSS 144 STRAND LC PATCH PANEL

SOUTH
BLUE TUBE
ORANGE TUBE

SEE 3150-E CTSS PHASE D FOR INITIAL SPLICING PLAN OF DROP CABLE

4-14
4-27
4-28

NOTES

INACTIVE FIBERS, PATCHING, AND PATCH PANEL CONNECTIONS ARE NOT SHOWN ON THIS SHEET FOR CLARITY

TMC COMMUNICATIONS HUB 1881 E 25TH AVE.

REFER TO SHEET 470 FOR COMM OVERVIEW DETAILS

CIP: 540007 – 100012
PID NUMBER: 99733

TMC COMMUNICATIONS: E TWENTY-FIFTH AVE COMMUNICATIONS DIAGRAM

CITY OF COLUMBUS TRAFFIC SIGNAL SYSTEM (CTSS) PHASE F – FINAL SUBMITTAL

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COMMUNICATION NODE EQUIPMENT CABINET (#2)

LAYER 3 ETHERNET SWITCH

Ports: 1 2 3 4 5 6 7 8 9 10 11 12

SFP Modules: 1 (T R) | 2 LH (T R) | 3 LH (T R) | 4 LH (T R) | 5 LH (T R) | 6 LH (T R) | 7 LH (T R) | 8 | 9 LH (T R) | 10 LH (T R) | 11 LH (T R) | 12

TO: CONTROL EQUIPMENT MONITOR

24SMF DROP CABLE[1]

24 STRAND LIU PATCH PANEL

SWITCH	PORT	STATUS	DESTINATION	SHEET NO
1	2	EXISTING	EXISTING COMMUNICATION NODE# 070102.3: I-70 AT KELTON AVE. (ROUTED)	702
1	3	EXISTING	EXISTING COMMUNICATION NODE# 070105.5: I-70 AT JAMES RD. (ROUTED)	716
1	4	EXISTING	EXISTING COMMUNICATION NODE# 070105.5: I-70 AT JAMES RD. (TRUNK)	716
1	**5**	**PROPOSED**	**PROPOSED COMMUNICATION NODE# 104095.0: REFUGEE RD. AT US-33 (TRUNK)**	**720**
1	6	EXISTING	INT# 2000: ALUM CREEK DR. AT LIVINGSTON AVE.	628
1	**7**	**REVISED**	**INT #2017: I-70 EB RAMPS AT LIVINGSTON AVE.**	
1	**9**	**PROPOSED**	**INT# 2133: FAIRWOOD AVE. AT FREBIS AVE.**	**629**
1	10	EXISTING	INT #2001: ALUM CREEK DR. AT I-70 EB RAMPS	
1	**11**	**PROPOSED**	**PROPOSED COMMUNICATION NODE# OP-CTSS_z3: 77 N FRONT ST. (TRUNK)**	

COMMUNICATION NODE FIBER TERMINATION CABINET (#1)

24 STRAND LIU PATCH PANEL

CTSS 48 LIU PATCH PANEL

EXISTING 24 STRAND DROP CABLE (TRUNK – LIVINGSTON AVE.)

EAST — BLUE TUBE

(TRUNK – ALUM CREEK DR.)

WEST — RED TUBE

SOUTH — BLUE TUBE

SEE 2953-E CTSS PHASE C FOR INITIAL SPLICING PLAN OF DROP CABLE

EXISTING 24 STRAND DROP CABLE (BACKBONE – NODE 070100.9)

EAST — BLUE TUBE

WEST — BLUE TUBE

SEE 2953-E CTSS PHASE C FOR INITIAL SPLICING PLAN OF DROP CABLE

LEGEND

EQUIPMENT CABLE

- FIBER PATCH CABLES Tx/Tx
- FIBER PATCH CABLES Tx/Rx CROSSOVER
- EXISTING FIBER PATCH CABLES
- CAT 5E CABLE
- OUTDOOR CAT 5E CABLE

INTERCONNECT CABLE

- 288 STRAND SMF CABLE
- 144 STRAND SMF CABLE
- COLUMBUS FIBERNET SMF CABLE
- CITYNET SMF CABLE
- D.O.T. SMF CABLE

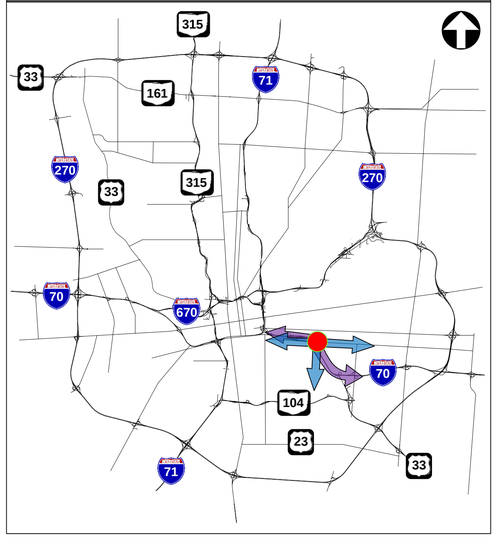
FIBER SPLICING (DARK/LIGHT – PROPOSED/EXISTING)

- FUSION SPLICE – 12 FIBER BUFFER TUBE
- FUSION SPLICE – PARTIAL BUFFER TUBE
- FUSION SPLICE – SINGLE FIBER
- COILED FIBER OR BUFFER TUBE
- # - # SWITCH # - PORT #

EQUIPMENT AND TERMINATION CABINET

- LH / ZX — GBIC OPTICAL TRANSCEIVER; LH – SHORT HAUL; ZX – LONG HAUL
- 8P8C CONNECTOR
- EMPTY SFP MODULE BAY
- LC TERMINATION – SINGLE FIBER
- TERMINATION PANEL UPC (Blue)/APC (Green)
- WIRELESS ETHERNET RADIO

KEY PLAN



NOTES

[1] PRE-TERMINATED 24SMF CABLE INSTALLED IN 4" CONDUIT CONNECTING CABINETS.

[2] PATCH PANEL DROP CABLES SHALL BE FACTORY PRE-TERMINATED AND OF SUFFICIENT LENGTH TO REACH ADJACENT UNDERGROUND OR OVERHEAD ENCLOSURE SPLICE LOCATION.

10t DRAFT REVISION 10.0t

COMMUNICATION NODE 070103.1

REFER TO SHEET 476 FOR COMM OVERVIEW DETAILS

CIP: 540007 – 100012
PID NUMBER: 99733

COMMUNICATION NODE# 070103.1: I-70 AT LIVINGSTON AVE.
COMMUNICATIONS DIAGRAM

EXISTING COMMUNICATION NODE

CITY OF COLUMBUS TRAFFIC SIGNAL SYSTEM
(CTSS) PHASE F – FINAL SUBMITTAL

COMMUNICATION NODE EQUIPMENT CABINET (#2)

SWITCH	PORT	STATUS	DESTINATION	SHEET NO
1	2	EXISTING	INT#I270EB_ACD: ALUM CREEK DR. AT I-270 EB OFF RAMP	
1	13	EXISTING	INT#I270WB_ACD: ALUM CREEK DR. AT I-270 WB OFF RAMP	
1	14	EXISTING	INT#GRPT_ACD: ALUM CREEK DR. AT GROVEPORT RD.	
1	15	EXISTING	INT#SR317_ACD: ALUM CREEK DR. AT LONDON-GROVERPORT RD.	
1	**16**	**PROPOSED**	**INT# 2086: ALUM CREEK DR. AT WILLIAMS RD.**	**640**
1	25	EXISTING	EXISTING COMMUNICATION NODE# 270046.1: I-270 AT US-33 (ROUTED)	723
1	26	EXISTING	EXISTING COMMUNICATION NODE# 270052.7: HIGH ST. AT I-270 (ROUTED)	700

LAYER 3 ETHERNET SWITCH

Copper Ports: 1 2 3 4 5 6 7 8 9 10 11 12

SFP Ports: 13 LH 14 LH 15 LH 16 LH 17 18 19 20 21 22 23 24 25 LH 26 LH 27 28

TO: CONTROL EQUIPMENT MONITOR

1-25 1-26 1-13 1-14 1-15 1-16

24 STRAND LC PATCH PANEL

SWITCH	PORT	STATUS	DESTINATION	SHEET NO
2	1	EXISTING	INT#I270EB_ACD: ALUM CREEK DR. AT I-270 EB OFF RAMP	
2	13	EXISTING	INT#I270WB_ACD: ALUM CREEK DR. AT I-270 WB OFF RAMP	
2	14	EXISTING	INT#GRPT_ACD: ALUM CREEK DR. AT GROVEPORT RD.	
2	15	EXISTING	INT#SR317_ACD: ALUM CREEK DR. AT LONDON-GROVERPORT RD.	
2	25	EXISTING	EXISTING COMMUNICATION NODE# 270032.3: I-270 AT MORSE RD. (ROUTED)	
2	26	EXISTING	EXISTING COMMUNICATION NODE# 071109.0: I-71 AT I-670 (ROUTED)	734

PROPOSED LAYER 3 ETHERNET SWITCH - #2

Copper Ports: 1 2 3 4 5 6 7 8 9 10 11 12

SFP Ports: 13 LH 14 LH 15 LH 16 17 18 19 20 21 22 23 24 25 ZX 26 ZX 27 28

2-13 2-14 2-15 2-25 2-26

24 STRAND LC PATCH PANEL

EXISTING 72 STRAND CABLE

MATCHLINE C
SEE SHEET 745

LEGEND

EQUIPMENT CABLE

- FIBER PATCH CABLES Tx/Tx
- FIBER PATCH CABLES Tx/Rx CROSSOVER
- EXISTING FIBER PATCH CABLES
- CAT 5E CABLE
- OUTDOOR CAT 5E CABLE

INTERCONNECT CABLE

- 288 STRAND SMF CABLE
- 144 STRAND SMF CABLE
- COLUMBUS FIBERNET SMF CABLE
- CITYNET SMF CABLE
- D.O.T. SMF CABLE

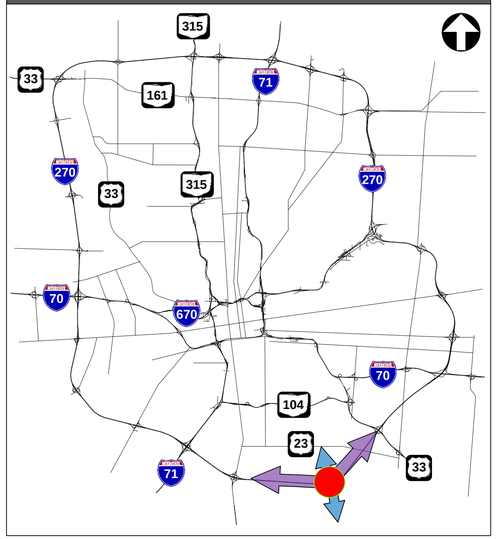
FIBER SPLICING (DARK/LIGHT – PROPOSED/EXISTING)

- FUSION SPLICE – 12 FIBER BUFFER TUBE
- FUSION SPLICE – PARTIAL BUFFER TUBE
- FUSION SPLICE – SINGLE FIBER
- COILED FIBER OR BUFFER TUBE
- # - # SWITCH # - PORT #

EQUIPMENT AND TERMINATION CABINET

- LH ZX GBIC OPTICAL TRANSCEIVER LH - SHORT HAUL ZX – LONG HAUL
- 8P8C CONNECTOR
- EMPTY SFP MODULE BAY
- LC TERMINATION – SINGLE FIBER
- TERMINATION PANEL UPC (Blue)/APC (Green)
- WIRELESS ETHERNET RADIO

KEY PLAN



NOTES

[1] PRE-TERMINATED 24SMF CABLE INSTALLED IN 4" CONDUIT CONNECTING CABINETS.

[2] PATCH PANEL DROP CABLES SHALL BE FACTORY PRE-TERMINATED AND OF SUFFICIENT LENGTH TO REACH ADJACENT UNDERGROUND OR OVERHEAD ENCLOSURE SPLICE LOCATION.

COMMUNICATION NODE 270049.0

REFER TO SHEET 322 FOR CONSTRUCTION PLAN DETAILS
REFER TO SHEET 477 FOR COMM OVERVIEW DETAILS

CIP: 540007 – 100012
PID NUMBER: 99733

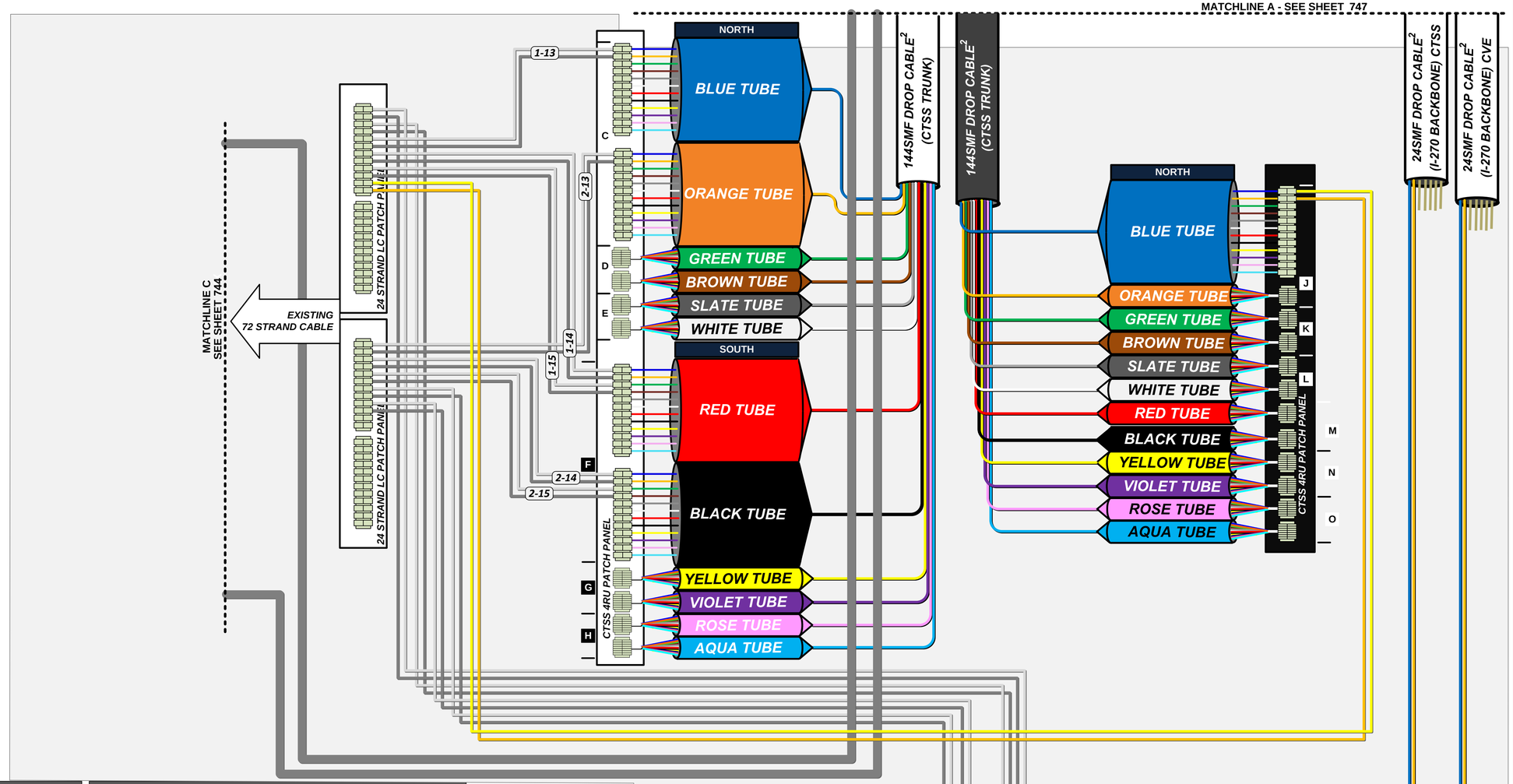
EXISTING COMMUNICATION NODE# 270049.0: ALUM CREEK DR. AT I-270
COMMUNICATIONS DIAGRAM

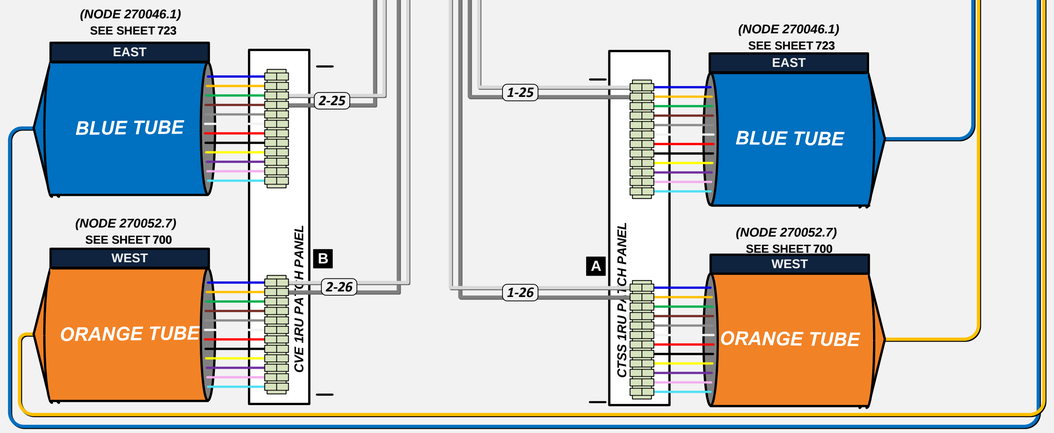
CITY OF COLUMBUS TRAFFIC SIGNAL SYSTEM
(CTSS) PHASE F – FINAL SUBMITTAL

744
768

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LEGEND

EQUIPMENT CABLE

- FIBER PATCH CABLES Tx/Tx
- FIBER PATCH CABLES Tx/Rx CROSSOVER
- EXISTING FIBER PATCH CABLES
- CAT 5E CABLE
- OUTDOOR CAT 5E CABLE

INTERCONNECT CABLE

- 288 STRAND SMF CABLE
- 144 STRAND SMF CABLE
- COLUMBUS FIBERNET SMF CABLE
- CITYNET SMF CABLE
- D.O.T. SMF CABLE

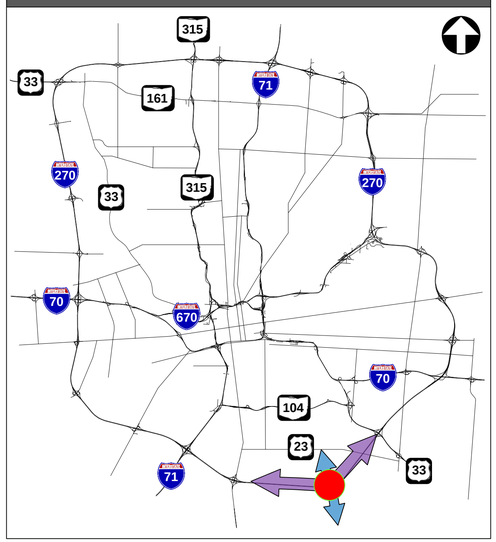
FIBER SPLICING (DARK/LIGHT – PROPOSED/EXISTING)

- FUSION SPLICE – 12 FIBER BUFFER TUBE
- FUSION SPLICE – PARTIAL BUFFER TUBE
- FUSION SPLICE – SINGLE FIBER
- COILED FIBER OR BUFFER TUBE
- # - # SWITCH # - PORT #

EQUIPMENT AND TERMINATION CABINET

- LH ZX GBIC OPTICAL TRANSCEIVER LH - SHORT HAUL ZX – LONG HAUL
- 8P8C CONNECTOR
- EMPTY SFP MODULE BAY
- LC TERMINATION – SINGLE FIBER
- TERMINATION PANEL UPC (Blue)/APC (Green)
- WIRELESS ETHERNET RADIO

KEY PLAN



NOTES

1 PRE-TERMINATED 24SMF CABLE INSTALLED IN 4" CONDUIT CONNECTING CABINETS.

2 PATCH PANEL DROP CABLES SHALL BE FACTORY PRE-TERMINATED AND OF SUFFICIENT LENGTH TO REACH ADJACENT UNDERGROUND OR OVERHEAD ENCLOSURE SPLICE LOCATION.

DoT TERMINATION PANELS SHOWN ON SHEET **746**

COMMUNICATION NODE 270049.0

REFER TO SHEET 322 FOR CONSTRUCTION PLAN DETAILS
REFER TO SHEET 477 FOR COMM OVERVIEW DETAILS

CIP: 540007 – 100012
PID NUMBER: 99733

COMMUNICATION NODE# 270049.0: ALUM CREEK DR. AT I-270
COMMUNICATIONS DIAGRAM

EXISTING COMMU

CITY OF COLUMBUS TRAFFIC SIGNAL SYSTEM
(CTSS) PHASE F – FINAL SUBMITTAL

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MATCHLINE B - SEE SHEET 747

COMMUNICATION NODE
FIBER TERMINATION CABINET (#1)

144SMF DROP CABLE[2] (DoT TRUNK)

144SMF DROP CABLE[2] (DoT TRUNK)

144SMF DROP CABLE WEST (I-270 BACKBONE) DoT

144SMF DROP CABLE EAST (I-270 BACKBONE) DoT

NORTH
- BLUE TUBE
- ORANGE TUBE
- GREEN TUBE
- BROWN TUBE
- SLATE TUBE
- WHITE TUBE

SOUTH
- RED TUBE
- BLACK TUBE
- YELLOW TUBE
- VIOLET TUBE
- ROSE TUBE
- AQUA TUBE

EAST
- BLUE TUBE
- ORANGE TUBE
- GREEN TUBE
- BROWN TUBE
- SLATE TUBE
- WHITE TUBE
- RED TUBE
- BLACK TUBE
- YELLOW TUBE
- VIOLET TUBE
- ROSE TUBE
- AQUA TUBE

NORTH
- BLUE TUBE
- ORANGE TUBE
- GREEN TUBE
- BROWN TUBE
- SLATE TUBE
- WHITE TUBE

SPARE
- RED TUBE
- BLACK TUBE
- YELLOW TUBE
- VIOLET TUBE
- ROSE TUBE
- AQUA TUBE

WEST
- BLUE TUBE
- ORANGE TUBE
- GREEN TUBE
- BROWN TUBE
- SLATE TUBE
- WHITE TUBE
- RED TUBE
- BLACK TUBE
- YELLOW TUBE
- VIOLET TUBE
- ROSE TUBE
- AQUA TUBE

11

LEGEND

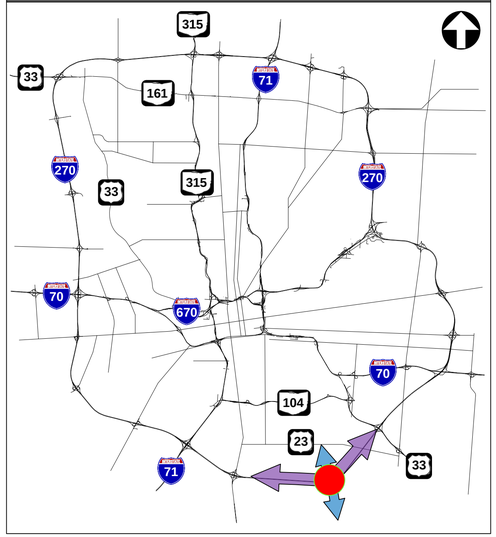
EQUIPMENT CABLE
- FIBER PATCH CABLES Tx/Tx
- FIBER PATCH CABLES Tx/Rx CROSSOVER
- EXISTING FIBER PATCH CABLES
- CAT 5E CABLE
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FIBER SPLICING (DARK/LIGHT – PROPOSED/EXISTING)
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- # - # SWITCH # - PORT #

EQUIPMENT AND TERMINATION CABINET
- LH ZX GBIC OPTICAL TRANSCEIVER LH - SHORT HAUL ZX – LONG HAUL
- 8P8C CONNECTOR
- EMPTY SFP MODULE BAY
- LC TERMINATION – SINGLE FIBER
- TERMINATION PANEL UPC (Blue)/APC (Green)
- WIRELESS ETHERNET RADIO

KEY PLAN



NOTES

CTSS TERMINATION PANELS SHOWN ON SHEET **744**

[2] PATCH PANEL DROP CABLES SHALL BE FACTORY PRE-TERMINATED AND OF SUFFICIENT LENGTH TO REACH ADJACENT UNDERGROUND OR OVERHEAD ENCLOSURE SPLICE LOCATION.

11 DRAFT REVISION 11.0

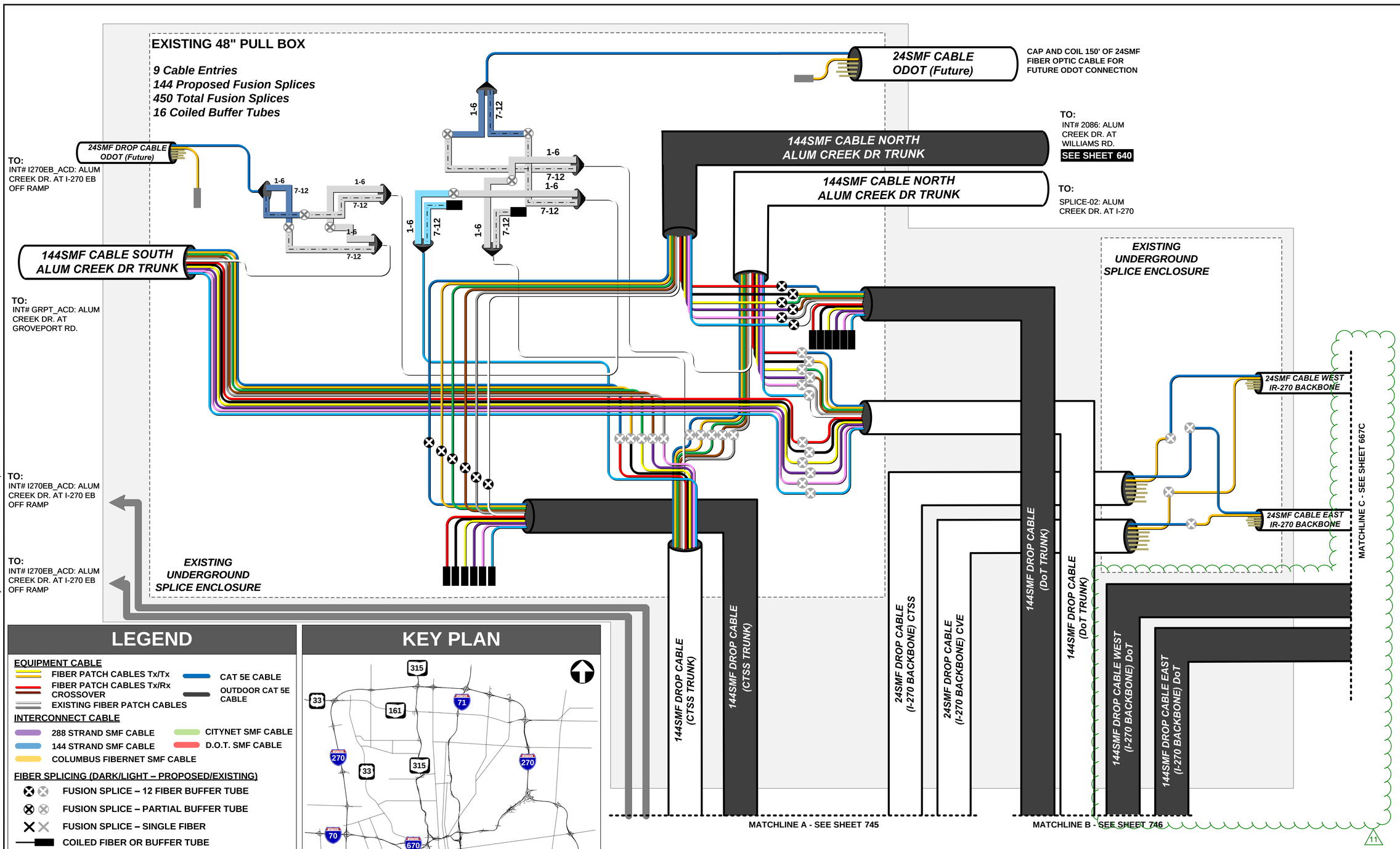
COMMUNICATION NODE 270049.0

REFER TO SHEET 322 FOR CONSTRUCTION PLAN DETAILS
REFER TO SHEET 477 FOR COMM OVERVIEW DETAILS

CIP: 540007 – 100060
PID NUMBER: 110521

EXISTING COMMUNICATION NODE# 270049.0: ALUM CREEK DR. AT I-270
COMMUNICATIONS DIAGRAM

CITY OF COLUMBUS TRAFFIC SIGNAL SYSTEM
(CTSS) PHASE F – FINAL SUBMITTAL



LEGEND

EQUIPMENT CABLE

- FIBER PATCH CABLES Tx/Tx
- FIBER PATCH CABLES Tx/Rx CROSSOVER
- EXISTING FIBER PATCH CABLES
- CAT 5E CABLE
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FIBER SPLICING (DARK/LIGHT – PROPOSED/EXISTING)

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- COILED FIBER OR BUFFER TUBE
- # - # SWITCH # - PORT #

EQUIPMENT AND TERMINATION CABINET

- LH ZX GBIC OPTICAL TRANSCEIVER LH - SHORT HAUL ZX – LONG HAUL
- 8P8C CONNECTOR
- EMPTY SFP MODULE BAY
- LC TERMINATION – SINGLE FIBER
- TERMINATION PANEL UPC (Blue)/APC (Green)
- WIRELESS ETHERNET RADIO

KEY PLAN

NOTE - SR-104 DRAFT REVISION 11 SHEETS CAN BE FOUND ON A SEPARATE DOCUMENT ON THIS BLUEBEAM SESSION. TITLED "SR-104 Draft Revision 11 Sheets"

11 DRAFT REVISION 11.0

COMMUNICATION NODE 270049.0

REFER TO SHEET 322 FOR CONSTRUCTION PLAN DETAILS
REFER TO SHEET 477 FOR COMM OVERVIEW DETAILS

CIP: 540007 – 100060
PID NUMBER: 110521

EXISTING COMMUNICATION NODE# 270049.0: ALUM CREEK DR. AT I-270
COMMUNICATIONS DIAGRAM

CITY OF COLUMBUS TRAFFIC SIGNAL SYSTEM
(CTSS) PHASE F – FINAL SUBMITTAL

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UTILITY OWNERS

TYPE	NAME & ADDRESS
SEWER AND WATER	CITY OF COLUMBUS DIVISION OF SEWERAGE AND DRAINAGE 1250 FAIRWOOD AVENUE ROOM 6J COLUMBUS, OHIO 43206 SMOC DISPATCH OFFICE (24/7): (614) 645-7102
	CITY OF COLUMBUS DIVISION OF WATER 910 DUBLIN ROAD COLUMBUS, OHIO 43215 (614) 645-7631 (614) 645-8460 (614) 645-7102 (EMERGENCY) (614) 645-7788 (EMERGENCY)
ELECTRIC	AMERICAN ELECTRIC POWER 700 MORRISON ROAD GAHANNA, OHIO 43230 ATTN: PAUL PAXTON (614) 883-6831 AEP SOLUTION CENTER: 1-800-277-2177
GAS	COLUMBIA GAS OF OHIO 3550 JOHNNY APPLESEED CT COLUMBUS, OHIO 43231 ATTN: ROB CALDWELL (614) 818-2104 CUSTOMER SERVICE: 1-800-344-4077 DAMAGE PREVENTION: 1-866-632-6243
TELEPHONE	AT&T TELEPHONE 2932 6TH STREET IRONTON, OHIO 45638 ATTN: CHARLES JOHNSON (740)-532-9943 AT&T REPAIR SERVICE: 1-888-611-4466 DAMAGE PREVENTION: 1-937-296-3929 111 N. FOURTH STREET 8TH FLOOR COLUMBUS, OHIO 43215 ATTN: GARY VANALMSICK (614) 223-7276
COLUMBUS REGIONAL AIRPORT	COLUMBUS REGIONAL AIRPORT 7250 STAR CHECK DRIVE SUITE 100 COLUMBUS, OHIO 43217 (614) 491-1401
MUNICIPAL	CITY OF DUBLIN DIVISION OF ENGINEERING 6555 SHIER-RINGS ROAD DUBLIN, OH 43016 ATTN: KEN RICHARDSON, PE, PS (614) 410-4631

TYPE	NAME & ADDRESS
FIBER OPTIC	AT&T LNS METRO/TCG THAYER POWER AND COMMUNICATION 950 FREEWAY DRIVE N. COLUMBUS, OHIO 43229 ATTN: CHRIS M. MCCLOSKEY (614) 431-9292
	LEVEL 3 250 W OLD WILSON BRIDGE RD #130 WORTHINGTON, OHIO 43085 ATTN: BOBB KURTO (614) 255-2126
	VERIZON (AKA MCI) 120 RAVINE STREET AKRON, OHIO 44303 ATTN: AL GUEST (330) 253-8267 ATTN: ORY ROBERTS (614) 254-4334
	AMERICAN ELECTRIC POWER 850 TECH CENTER DRIVE GAHANNA, OHIO 43230 ATTN: CRAIG FROST (614) 716-1464
	CROWN CASTLE FIBER 470-B SCHROCK ROAD SUITE B COLUMBUS, OHIO 43229 ATTN: JON TARNOWSKI (585) 445-5813
	BLACK & VEATCH 4449 EASTON WAY SUITE 150 COLUMBUS, OHIO 43219 (913) 458-2000
CABLE	WIDE OPEN WEST 3765 CORPORATE DRIVE COLUMBUS, OHIO 43231 ATTN: STEVE CALLAHAN (614) 948-4636
	CHARTER COMMUNICATIONS 3760 INTERCHANGE DRIVE COLUMBUS, OHIO 43204 ATTN: SAMUEL LUTZ (614) 481-5047
TRAFFIC	CITY OF COLUMBUS DIVISION OF TRAFFIC MANAGEMENT 1820 E. 17TH AVENUE COLUMBUS, OHIO 43219 (614) 645-7393

NOTES: THE LOCATION OF THE UNDERGROUND UTILITIES SHOWN ON THE PLANS ARE OBTAINED FROM THE OWNER OF THE UTILITIES AS REQUIRED BY SECTION 153.64 O.R.C.

CONVENTIONAL SYMBOLS

County Line
Township Line
Section Line
Corporation Line
Fence Line (Ex) (Pr)
Center Line
Right of Way (Ex) Ex R/W
Right of Way (Pr) R/W
Standard Highway Ease.(Ex) Ex SH
Temporary Construction Ease. TMP
Permanent Easement P P
Utility Ease. (Ex) Ex U
Railroad or
Guardrail (Ex) (Pr)
Construction Limits
Edge of Pavement (Ex)
Edge of Pavement (Pr)
Edge of Shoulder (Ex)
Edge of Shoulder (Pr)
Subdivision Boundary

Ditch / Creek (Ex)
Ditch / Creek (Pr)
Tree Line (Ex)
Ownership Hook Symbol , Example
Property Line Symbol , Example
Break Line Symbol , Example
Tree (Pr) , Tree (Ex) , Shrub (Ex)
Tree (Remove) , Shrub (Remove)
Evergreen (Ex) , Stump
Evergreen (Remove) , Stump (Remove)
Wetland (Pr) , Grass (Pr) , Aerial Target
Post (Ex) , Mailbox (Ex) MB , Mailbox (Pr) MB
Light (Ex) , Telephone Marker (Ex) TEL
Fire Hydrant (Ex) , Water Meter (Ex) WM
Water Valve (Ex) , Utility Valve Unknown (Ex.)
Telephone Pole (Ex) , Power Pole (Ex)
Light Pole (Ex)
Do Not Disturb (DND)
To Be Removed (TBR)

RIGHT OF WAY LEGEND SHEET
FRA SGNL-PHASE F

FRANKLIN COUNTY
CITY OF COLUMBUS
QUARTER TOWNSHIP 3, TOWNSHIP 1, RANGE 17
QUARTER TOWNSHIP 4, TOWNSHIP 1, RANGE 17
QUARTER TOWNSHIP 1, TOWNSHIP 1, RANGE 18
QUARTER TOWNSHIP 4, TOWNSHIP 2, RANGE 19
UNITED STATES MILITARY LANDS

INDEX OF SHEETS:

LEGEND SHEET	1
LOCATION MAP	2
MONUMENT TABLES	3-4
PROPERTY MAP	5-7
SUMMARY OF ADDITIONAL R/W	8
ENCROACHMENT SUMMARY	9
R/W TOPOGRAPHIC SHEETS	10-15
R/W BOUNDARY SHEETS	16-21

STRUCTURE KEY
- RESIDENTIAL
- COMMERCIAL
- OUT-BUILDING

LEGEND
- WD = WARRANTY DEED
- U = UTILITY EASEMENT
- A = AERIAL EASEMENT

SEE NEXT SHEET

LOCATION MAP

SCALE IN MILES
0 2 4 6 8

N

PROJECT DESCRIPTION

MIGRATE EXISTING COLUMBUS TRAFFIC SIGNAL SYSTEM TO AN OPEN ARCHITECTURE THAT WILL SERVE CENTRAL OHIO STAKEHOLDERS WITH REGIONAL SYSTEM CONNECTIVITY AND INTEROPERABILITY.

PROJECT CONTROL

STATE PLANE GRID - OHIO SOUTH NAD83 (2011 ADJ)
PROJECT ADJUSTMENT FACTOR 1.0000000000

PLANS PREPARED BY:

FIRM NAME : E.P. FERRIS & ASSOCIATES, INC.
R/W DESIGNER: MATTHEW SLOAT, PE, PS
R/W REVIEWER: MATTHEW E. FERRIS, PE, PS
FIELD REVIEWER: MATT ACKROYD
PRELIMINARY FIELD REVIEW DATE: 6/18/2020
FIELD REVIEWER: WILLIAM SIEGEL
TRACINGS FIELD REVIEW DATE: 3/1/2021
OWNERSHIP UPDATED BY: WILLIAM SIEGEL
DATE COMPLETED: 3/1/2021
PLAN COMPLETION DATE:

I, Matthew L. Sloat, P.E., P. S. have conducted a survey of the existing conditions for the Ohio Department of Transportation on March 2020 through the present. The results of that survey are contained herein. The horizontal coordinates expressed herein are based on the Ohio State Plane Coordinates System South Zone on NAD 83 (86 ADJ) datum. The Project Coordinates (US Survey Feet) are relative to State Plane Grid Coordinates (Meters or US Survey Feet) by a Project Adjustment Factor of 1.0000000000. As a part of this project I have reestablished the locations of the existing property lines and the existing centerline of Right of Way for property takes contained herein. As a part of this project I have established the proposed property lines, calculated the Gross Take, present roadway occupied (PRO), Net Take and Net Residue; as well as prepared the legal descriptions necessary to acquire the parcels as shown herein. As a part of this work I have set right of way monuments at the property corners, property line intersection, points along the right of way and/or angle points on the right of way, Section Corners and other points as shown herein. All of my work contained herein was conducted in accordance with Ohio Administrative Code 4733-37 commonly known as "Minimum Standards for Boundary Surveys in the State of Ohio" unless noted. The words I and my as used herein are to mean either myself or someone working under my direct supervision.

_____
Matthew Lee Sloat, P.E., P.S., Professional Land Surveyor 8342

Date: _____

SURVEYORS SEAL

STATE OF OHIO
MATTHEW LEE SLOAT
S-8342
REGISTERED
PROFESSIONAL SURVEYOR

SIGNED: _____
DATE: _____

3676-E

FEDERAL PROJECT NO. E191(339)
PID NO. 110521
CALCULATED MLS CHECKED MEF

RIGHT OF WAY LEGEND SHEET
FRA SGNL-PHASE F

1 / 21

748 768

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FRANKLIN COUNTY
CITY OF COLUMBUS



M:\1188001_HNTB-CTSSPhaseF\DWG\ROW\1188001_RM001_Overall.dwg 15-Mar-21 2:14 PM

0 0.5 1 2
HORIZONTAL SCALE IN MILES

PID NO. 110521

R/W DESIGNER MLS
R/W REVIEWER MEF

MAP

LOCATION MA

FRA SGNL-PHASE F

2 / 21

749
768

REV. BY	DATE	DESCRIPTION
DATE COMPLETED:		

3676-E

SURVEY CONTROL POINTS - AIRPORT DRIVE

℄ OF AIRPORT DRIVE		DESCRIPTION	PROJECT COORDINATES (FT) SEE SURVEY CERTIFICATE (GRID COORDINATES)	
STATION	OFFSET		NORTH (Y)	EAST (X)
N/A	N/A	IPINS	724889.97	1844200.36
1006+63.69	22.72' RT	IPINS	724904.50	1845112.38
N/A	N/A	HUB SET	724889.95	1844200.32
998+84.50	103.35' LT	HUB SET	724978.37	1844319.72
997+93.79	℄	℄ BEGIN PROJECT	724870.54	1844234.39
1006+45.00	℄	℄ PI	724913.88	1845084.50
1007+90.11	℄	℄ END PROJECT	724990.71	1845207.59

EXISTING MONUMENT TABLE - AIRPORT DRIVE

℄ OF AIRPORT DRIVE		DESCRIPTION	PROJECT COORDINATES (FT) SEE SURVEY CERTIFICATE (GRID COORDINATES)	
STATION	OFFSET		NORTH (Y)	EAST (X)
1006+81.09	43.49' LT	COC34-82	724969.88	1845092.08
1007+14.41	51.36' RT	IPIN 5/8 REBAR	724907.06	1845170.57
1005+55.12	206.22' RT	IPIN PINCHTOP	724703.35	1845005.23
1005+33.25	283.00' RT	IPIPE 3/4"	724625.55	1844987.30
1005+11.23	360.39' RT	IPIPE 3/4"	724547.15	1844969.24
1003+82.60	30.00' RT	IPIPE 3/4"	724870.56	1844823.96
1002+32.37	29.89' RT	IPIPE 3/4"	724863.02	1844673.92
1001+42.58	30.07' RT	IPIPE 3/4"	724858.27	1844584.26
998+37.44	30.10' RT	IPIPE 3/4"	724842.71	1844279.51
N/A	N/A	IPIPE 3/4"	724840.03	1844225.09
N/A	N/A	IPIPE 1/2"	724797.12	1844191.39
N/A	N/A	IPIPE 1/2"	724750.01	1844154.25
N/A	N/A	IPIPE 3/4"	724702.82	1844117.42
998+86.99	330.52' LT	IPIPE 3/4"	725205.37	1844310.64
N/A	N/A	IPIPE 3/4"	724650.61	1843999.09
N/A	N/A	IPIPE 3/4"	724492.83	1843876.35
998+51.59	236.98' LT	IPIPE 3/4"	725110.15	1844280.04
1000+28.25	704.31' LT	5/8" REBAR W/ "LANDMARK"	725585.87	1844432.68
1000+46.57	751.04' LT	IPIPE 3/4"	725633.48	1844448.59
N/A	N/A	IPID/BDM	727342.31	1845051.80
997+82.94	30.00' RT	IPIPE 3/4"	724840.03	1844225.09
N/A	N/A	IPIPE 1"	727401.34	1845070.77
N/A	N/A	IPIN PINCHTOP	727547.24	1845115.98

BASIS OF BEARINGS FOR THE CENTERLINE OF AIRPORT DRIVE:

BEARINGS REFERENCED HEREIN ARE BASED ON THE CENTERLINE OF AIRPORT DRIVE, AS BEING NORTH 58°01'44" EAST FROM THE INTERSECTION WITH THE CENTERLINE OF NELSON ROAD AS DETERMINED BY GPS OBSERVATIONS UTILIZING OHIO DEPARTMENT OF TRANSPORTATION'S VIRTUAL REFERENCE STATION, BASED ON OHIO STATE PLANE SOUTH ZONE (NAD 83, 2011 ADJUSTMENT).

BASIS OF STATIONING FOR THE CENTERLINE OF AIRPORT DRIVE:

THE STATIONING REFERENCED HEREIN IS BASED ON AN ARBITRARY STATION WHERE THE CENTERLINE OF AIRPORT DRIVE INTERSECTS WITH THE CENTERLINE OF NELSON ROAD, BEING STATION 1006+45.00.

BASIS FOR EXISTING RIGHT OF WAY

AIRPORT DRIVE: ROAD RECORD 7, PAGE 59 (60')
SUNBURY AVENUE: ROAD RECORD 5, PAGE 22
PLAT BOOK 7, PAGE 488
PLAT BOOK 16, PAGE 68
PLAT BOOK 3, PAGE 227

MONUMENTS TO BE SET PRIOR TO CONSTRUCTION - AIRPORT DRIVE

℄ OF AIRPORT DRIVE		DESCRIPTION	PROJECT COORDINATES (FT) SEE SURVEY CERTIFICATE (GRID COORDINATES)		MONUMENT DISTURBED
STATION	OFFSET		NORTH (Y)	EAST (X)	R/W PIN
997+93.78	℄	3/8" x 3" SPIKE W/ 1" DIAM. HEAD W/ 1.5" DIAM. BRASS WASHER STAMPED "EP FERRIS SURVEYOR 8342"	724870.54	1844234.39	
998+76.23	132.78' LT	5/8" x 30" REBAR W/ YELLOW PLASTIC CAP STAMPED "EP FERRIS SURVEYOR 8342"	725007.35	1844309.97	
998+91.46	107.08' LT	5/8" x 30" REBAR W/ YELLOW PLASTIC CAP STAMPED "EP FERRIS SURVEYOR 8342"	724982.46	1844326.48	
999+14.66	51.94' LT	5/8" x 30" REBAR W/ YELLOW PLASTIC CAP STAMPED "EP FERRIS SURVEYOR 8342"	724928.57	1844352.47	
999+43.98	30.00' LT	5/8" x 30" REBAR W/ YELLOW PLASTIC CAP STAMPED "EP FERRIS SURVEYOR 8342"	724908.15	1844382.86	
1005+58.56	30.00' LT	5/8" x 30" REBAR W/ YELLOW PLASTIC CAP STAMPED "EP FERRIS SURVEYOR 8342"	724939.44	1844996.65	
1005+60.27	30.00' RT	5/8" x 30" REBAR W/ YELLOW PLASTIC CAP STAMPED "EP FERRIS SURVEYOR 8342"	724879.60	1845001.40	
1005+92.39	46.07' RT	5/8" x 30" REBAR W/ YELLOW PLASTIC CAP STAMPED "EP FERRIS SURVEYOR 8342"	724865.20	1845034.31	
1005+98.42	54.05' RT	5/8" x 30" REBAR W/ YELLOW PLASTIC CAP STAMPED "EP FERRIS SURVEYOR 8342"	724857.53	1845040.73	
1006+05.27	30.00' RT	3/8" x 3" SPIKE W/ 1" DIAM. HEAD W/ 1.5" DIAM. BRASS WASHER STAMPED "EP FERRIS SURVEYOR 8342"	724881.90	1845046.35	
1006+26.20	30.00' LT	3/8" x 3" SPIKE W/ 1" DIAM. HEAD W/ 1.5" DIAM. BRASS WASHER STAMPED "EP FERRIS SURVEYOR 8342"	724942.88	1845064.20	
1006+26.32	57.64' LT	5/8" x 30" REBAR W/ YELLOW PLASTIC CAP STAMPED "EP FERRIS SURVEYOR 8342"	724970.49	1845062.91	
1006+45.00	℄	3/8" x 3" SPIKE W/ 1" DIAM. HEAD W/ 1.5" DIAM. BRASS WASHER STAMPED "EP FERRIS SURVEYOR 8342"	724913.88	1845084.50	
1006+45.26	42.21' RT	5/8" x 30" REBAR W/ YELLOW PLASTIC CAP STAMPED "EP FERRIS SURVEYOR 8342"	724878.22	1845107.07	
1006+49.35	52.61' RT	5/8" x 30" REBAR W/ YELLOW PLASTIC CAP STAMPED "EP FERRIS SURVEYOR 8342"	724871.56	1845116.05	
1006+54.50	29.04' LT	3/8" x 3" SPIKE W/ 1" DIAM. HEAD W/ 1.5" DIAM. BRASS WASHER STAMPED "EP FERRIS SURVEYOR 8342"	724943.55	1845077.18	
1006+74.50	46.08' RT	5/8" x 30" REBAR W/ YELLOW PLASTIC CAP STAMPED "EP FERRIS SURVEYOR 8342"	724890.41	1845133.92	
1007+21.62	70.65' RT	5/8" x 30" REBAR W/ YELLOW PLASTIC CAP STAMPED "EP FERRIS SURVEYOR 8342"	724894.52	1845186.91	
1007+29.11	71.12' RT	5/8" x 30" REBAR W/ YELLOW PLASTIC CAP STAMPED "EP FERRIS SURVEYOR 8342"	724898.09	1845193.51	
1007+31.48	81.28' RT	5/8" x 30" REBAR W/ YELLOW PLASTIC CAP STAMPED "EP FERRIS SURVEYOR 8342"	724890.72	1845200.90	
1007+83.70	80.79' RT	5/8" x 30" REBAR W/ YELLOW PLASTIC CAP STAMPED "EP FERRIS SURVEYOR 8342"	724918.79	1845244.94	
1007+84.05	60.58' RT	5/8" x 30" REBAR W/ YELLOW PLASTIC CAP STAMPED "EP FERRIS SURVEYOR 8342"	724936.12	1845234.53	

MONUMENTS TO BE SET PRIOR TO CONSTRUCTION - SUNBURY AVENUE

℄ OF SUNBURY AVENUE		DESCRIPTION	PROJECT COORDINATES (FT) SEE SURVEY CERTIFICATE (GRID COORDINATES)		MONUMENT DISTURBED
STATION	OFFSET		NORTH (Y)	EAST (X)	R/W PIN
118+48.26	℄	3/8" x 3" SPIKE W/ 1" DIAM. HEAD W/ 1.5" DIAM. BRASS WASHER STAMPED "EP FERRIS SURVEYOR 8342"	725725.55	1844509.76	
118+56.13	30.00' RT	5/8" x 30" REBAR W/ PL. YELLOW PLASTIC CAP STAMPED "EP FERRIS SURVEYOR 8342"	725723.84	1844540.73	
				TOTAL	0

PROJECT CONTROL INFORMATION

PROJECT ADJUSTMENT FACTOR IN METERS (PAF) = 3.280833333 (METRIC GRID TO PROJECT GROUND U.S. SURVEY FOOT) (MULTIPLY)

U.S. FEET/METRIC CONVERSION = 3.280833333

PROJECT COORDINATES ARE SCALED FROM GRID COORDINATES ABOUT THE N=0, E=0 GRID ORIGIN POINT.

REV. BY	DATE	DESCRIPTION

DATE COMPLETED:

3676-E

RIGHT OF WAY
MONUMENT TABLES

FRA SGNL-PHASE F

FEDERAL PROJECT NO. E191(339)
PID NO. 110521
STATE JOB NO. 460225
R/W DESIGNER MLS
R/W REVIEWER MEF

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SURVEY CONTROL POINTS - E. FIFTH AVENUE

℄ OF E. FIFTH AVENUE		DESCRIPTION	PROJECT COORDINATES (FT) SEE SURVEY CERTIFICATE (GRID COORDINATES)	
STATION	OFFSET		NORTH (Y)	EAST (X)
55+33.06	40.28' RT	MAGS	723660.39	1857895.08
39+34.39	39.23' RT	VOID	723440.97	1856308.27
54+03.22	38.78' LT	MAGS	723711.02	1857751.74
79+05.87	65.31' RT	HUBS&MAG	724003.63	1860208.73
68+27.44	38.38' RT	MAGS	723987.02	1859145.67
39+34.36	39.23' RT	HUBS&MAG	723440.96	1856308.23
53+74.90	562.49' RT	HUBS&MAG	723115.65	1857840.68
40+00.00	℄	℄ BEGIN PROJECT	723487.31	1856369.06
47+43.62	℄	℄ PC	723570.78	1857107.98
60+45.85	℄	℄ PT	723826.27	1858383.29
64+33.30	℄	℄ PC	723934.44	1858755.33
77+66.63	℄	℄ PT	724077.99	1860074.12
82+00.00	℄	℄ END PROJECT	724049.36	1860506.54

EXISTING MONUMENT TABLE - E. FIFTH AVENUE

℄ OF AIRPORT DRIVE E. FIFTH AVENUE		DESCRIPTION	PROJECT COORDINATES (FT) SEE SURVEY CERTIFICATE (GRID COORDINATES)	
STATION	OFFSET		NORTH (Y)	EAST (X)
49+59.78	50.64' RT	IPIN 3/4ID HOLLOW	723547.94	1857329.50
38+58.28	100.22' LT	IPIN 3/4ID HOLLOW	723570.98	1856216.98
37+47.45	99.93' LT	MAG	723558.25	1856106.88
34+99.74	100.00' LT	IPIN 3/4ID HOLLOW	723530.52	1855860.73
56+84.57	598.92' RT	IPIN 3/4ID HOLLOW	723151.28	1858173.96
52+73.99	543.68' RT	IPIN 5/8RBR ADCOCK PS8461	723113.85	1857730.86
70+87.44	59.90' RT	IPIN 3/4ID PRIME PM&S	724003.00	1859402.67
79+35.78	747.47' RT	IPIN 3/4ID R.D. ZANDE	723320.98	1860193.51
53+22.25	50.16' RT	IPIN 5/8RBR	723608.16	1857689.32
65+20.19	50.01' RT	IPIN 3/4ID PRIME CM&S	723909.43	1858851.91
51+07.52	528.14' RT	IPIN 5/8RBR ADCOCK PS8461	723098.84	1857552.67
51+43.88	50.14' RT	IPIN 5/8RBR ADCOCK PS8461	723576.65	1857512.57
70+89.49	49.92' RT	IPIN 3/4ID PRIME PM&S	724013.14	1859403.57
62+62.65	55.53' LT	IPIN IID HOLLOW BENT	723940.12	1858575.96
44+64.37	49.71' RT	MAG	723490.04	1856836.07
64+33.30	50.00' RT	MINE BOLT FND	723886.43	1858769.29

SURVEY CONTROL POINTS - BETHEL ROAD

℄ OF BETHEL ROAD		DESCRIPTION	PROJECT COORDINATES (FT) SEE SURVEY CERTIFICATE (GRID COORDINATES)	
STATION	OFFSET		NORTH (Y)	EAST (X)
213+26.36	73.30' LT	MAG	752275.75	1811451.90
217+64.26	38.63' LT	MAG SET	752219.36	1811887.53
222+58.07	41.77' LT	PK 138	752197.96	1812380.89
224+50.25	49.00' LT	MAGS	752195.63	1812573.20
225+53.83	59.89' RT	MAG	752081.74	1812671.24
217+64.29	38.63' LT	MAG	752219.36	1811887.57
222+58.07	41.77' LT	MAG	752197.96	1812380.89
211+00.00	℄	℄ BEGIN PROJECT	752213.78	1811222.18
228+00.00	℄	℄ END PROJECT	752129.32	1812920.08

EXISTING MONUMENT TABLE - BETHEL ROAD

℄ OF BETHEL ROAD		DESCRIPTION	PROJECT COORDINATES (FT) SEE SURVEY CERTIFICATE (GRID COORDINATES)	
STATION	OFFSET		NORTH (Y)	EAST (X)
215+41.30	756.27' LT	IPIN E.P.FERRIS	752947.20	1811700.51
215+41.48	737.20' LT	IPIN E.P.FERRIS	752928.14	1811699.74
213+06.45	59.81' LT	IPIN 3/4ID	752263.26	1811431.34
222+68.99	602.14' LT	IPIN E.P.FERRIS	752757.10	1812419.64
226+77.71	60.06' RT	IPIN 3/4ID	752075.41	1812794.96
225+59.79	236.83' RT	IPF IPFND 3/4 PT	751904.72	1812668.40
214+91.23	757.38' LT	IPIN E.P.FERRIS	752950.79	1811650.55
213+07.99	59.77' LT	IPIN E.P.FERRIS	752263.14	1811432.88
222+74.78	209.77' LT	IPIN BENT	752364.92	1812405.93

PROJECT CONTROL INFORMATION

PROJECT ADJUSTMENT FACTOR IN METERS (PAF) = 3.280833333 (METRIC GRID TO PROJECT GROUND U.S. SURVEY FOOT) (MULTIPLY)

U.S. FEET/METRIC CONVERSION = 3.280833333

PROJECT COORDINATES ARE SCALED FROM GRID COORDINATES ABOUT THE N=0, E=0 GRID ORIGIN POINT.

BASIS OF BEARINGS FOR THE CENTERLINE OF E. FIFTH AVENUE:

BEARINGS REFERENCED HEREIN ARE BASED ON THE CENTERLINE OF E. FIFTH AVENUE, AS BEING SOUTH 86°12'42" EAST FROM THE INTERSECTION WITH THE CENTERLINE OF YEARLING ROAD AS DETERMINED BY GPS OBSERVATIONS UTILIZING OHIO DEPARTMENT OF TRANSPORTATION'S VIRTUAL REFERENCE STATION, BASED ON OHIO STATE PLANE SOUTH ZONE (NAD 83, 2011 ADJUSTMENT).

BASIS OF STATIONING FOR THE CENTERLINE OF E. FIFTH AVENUE:

THE STATIONING REFERENCED HEREIN IS BASED ON AN ARBITRARY STATION WHERE THE CENTERLINE OF E. FIFTH AVENUE INTERSECTS WITH THE CENTERLINE OF YEARLING ROAD, BEING STATION 79+86.68.

BASIS FOR EXISTING RIGHT OF WAY E. FIFTH AVENUE:

ROAD RECORD 16, PAGE 94 (VARIES)

BASIS OF BEARINGS FOR THE CENTERLINE OF BETHEL ROAD

BEARINGS REFERENCED HEREIN ARE BASED ON THE CENTERLINE OF BETHEL ROAD, AS BEING NORTH 87°09'08" WEST FROM THE INTERSECTION WITH THE CENTERLINE OF GODOWN ROAD AS DETERMINED BY GPS OBSERVATIONS UTILIZING OHIO DEPARTMENT OF TRANSPORTATION'S VIRTUAL REFERENCE STATION, BASED ON OHIO STATE PLANE SOUTH ZONE (NAD 83, 2011 ADJUSTMENT).

BASIS OF STATIONING FOR THE CENTERLINE OF BETHEL ROAD:

THE STATIONING REFERENCED HEREIN IS BASED ON AN ARBITRARY STATION WHERE THE CENTERLINE OF BETHEL ROAD INTERSECTS WITH THE CENTERLINE OF GODOWN ROAD, BEING STATION 224+87.48.

BASIS FOR EXISTING RIGHT OF WAY BETHEL ROAD:

ROAD RECORD 6, PAGE 232 (60')
PLAT BOOK 43, PAGE 78

REV. BY	DATE	DESCRIPTION

DATE COMPLETED:

3676-E

FEDERAL PROJECT NO. E191(339)

PID NO. 110521

STATE JOB NO. 460225

R/W DESIGNER MLS

R/W REVIEWER MEF

RIGHT OF WAY MONUMENT TABLES

FRA SGNL-PHASE F

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FRANKLIN COUNTY
CITY OF COLUMBUS
QUARTER TOWNSHIP 3, TOWNSHIP 1, RANGE 17
UNITED STATES MILITARY LANDS

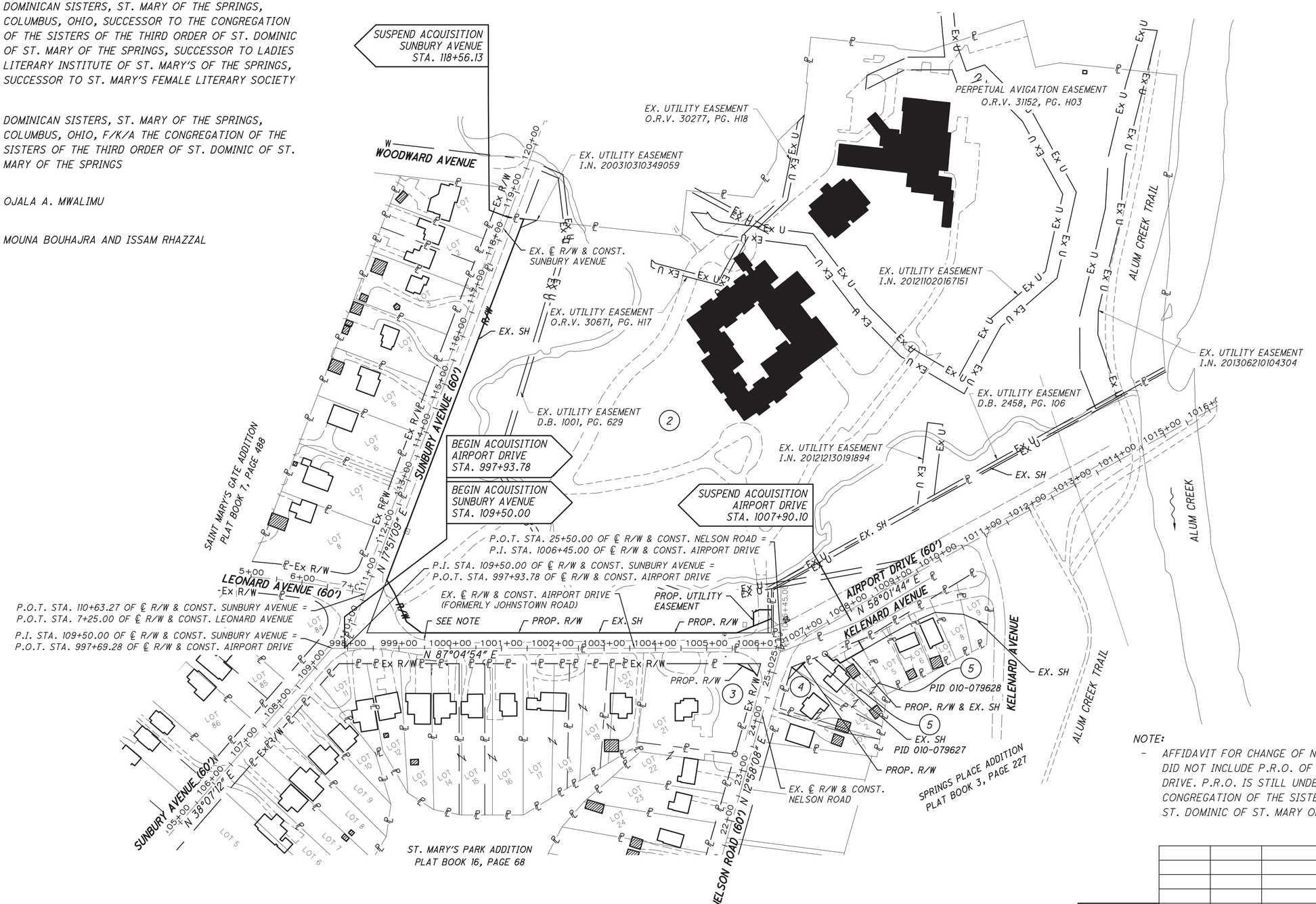
OWNERSHIP NAME AND NUMBER

(2) *DOMINICAN SISTERS, ST. MARY OF THE SPRINGS, COLUMBUS, OHIO, SUCCESSOR TO THE CONGREGATION OF THE SISTERS OF THE THIRD ORDER OF ST. DOMINIC OF ST. MARY OF THE SPRINGS, SUCCESSOR TO LADIES LITERARY INSTITUTE OF ST. MARY'S OF THE SPRINGS, SUCCESSOR TO ST. MARY'S FEMALE LITERARY SOCIETY*

(3) *DOMINICAN SISTERS, ST. MARY OF THE SPRINGS, COLUMBUS, OHIO, F/K/A THE CONGREGATION OF THE SISTERS OF THE THIRD ORDER OF ST. DOMINIC OF ST. MARY OF THE SPRINGS*

(4) *OJALA A. MWALIMU*

(5) *MOUNA BOUHAJRA AND ISSAM RHAZZAL*



NOTE:

- *AFFIDAVIT FOR CHANGE OF NAME IN O.R.V. 33447, PG. B20 DID NOT INCLUDE P.R.O. OF SUNBURY AVENUE OR AIRPORT DRIVE. P.R.O. IS STILL UNDER THE PREVIOUS NAME OF THE CONGREGATION OF THE SISTERS OF THE THIRD ORDER OF ST. DOMINIC OF ST. MARY OF THE SPRINGS.*

REV. BY	DATE	DESCRIPTION
DATE COMPLETED:		

3676-E

HORIZONTAL SCALE IN FEET: 0, 50, 100, 200

PID NO. 110521

R/W DESIGNER MLS
R/W REVIEWER MEF

PROPERTY MAP

FRA SGNL-PHASE F

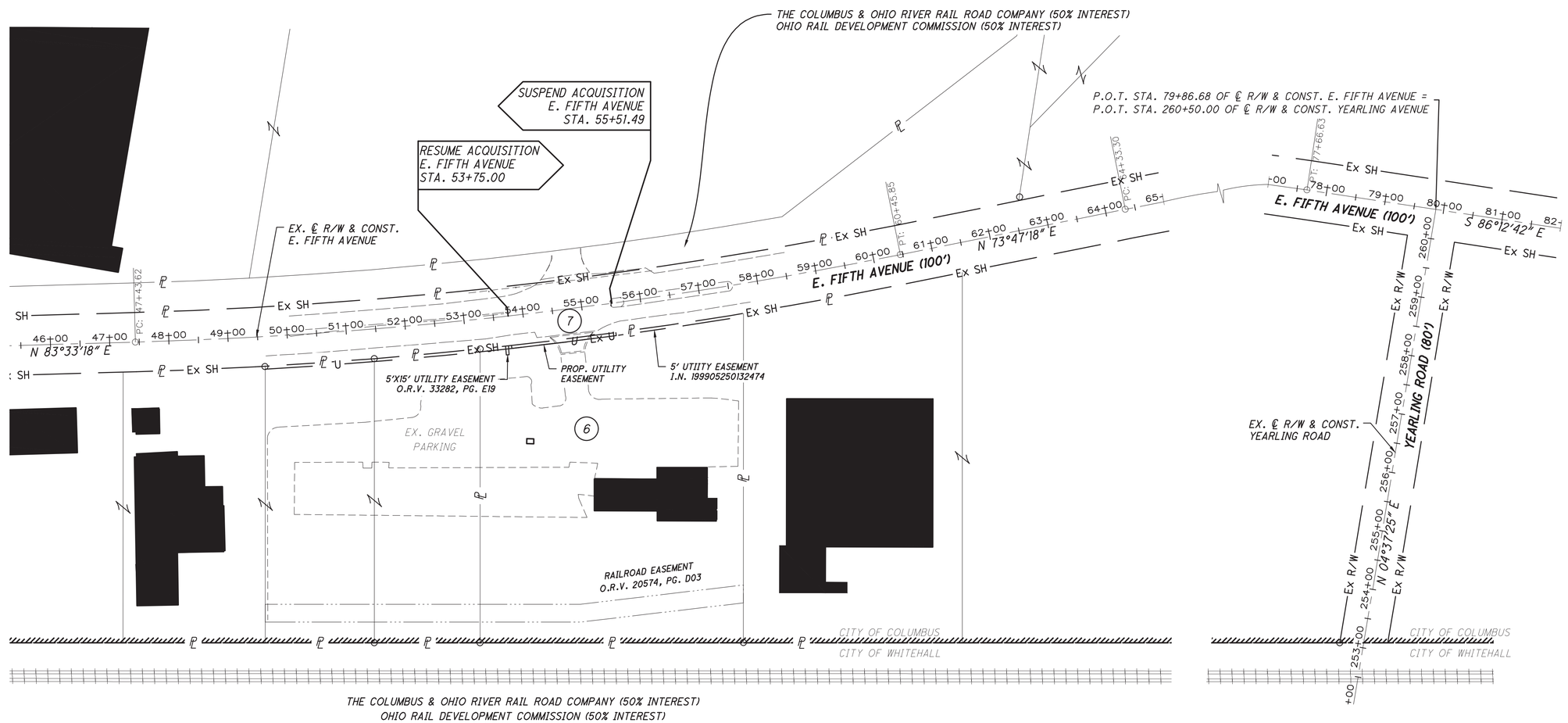
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FRANKLIN COUNTY
CITY OF COLUMBUS
QUARTER TOWNSHIP 4, TOWNSHIP 1, RANGE 17
UNITED STATES MILITARY LANDS

OWNERSHIP NAME AND NUMBER

(6) *THE COFFMAN FAMILY PARTNERSHIP, LLP*
F/K/A THE COFFMAN FAMILY PARTNERSHIP

(7) *WENDELL CARSON*



STRUCTURE KEY

- RESIDENTIAL
- COMMERCIAL
- OUT-BUILDING

REV. BY	DATE	DESCRIPTION
DATE COMPLETED:		

3676-E

HORIZONTAL SCALE IN FEET: 0, 50, 100, 200

PID NO. 110521

R/W DESIGNER MLS
R/W REVIEWER MEF

PROPERTY MAP

FRA SGNL-PHASE F

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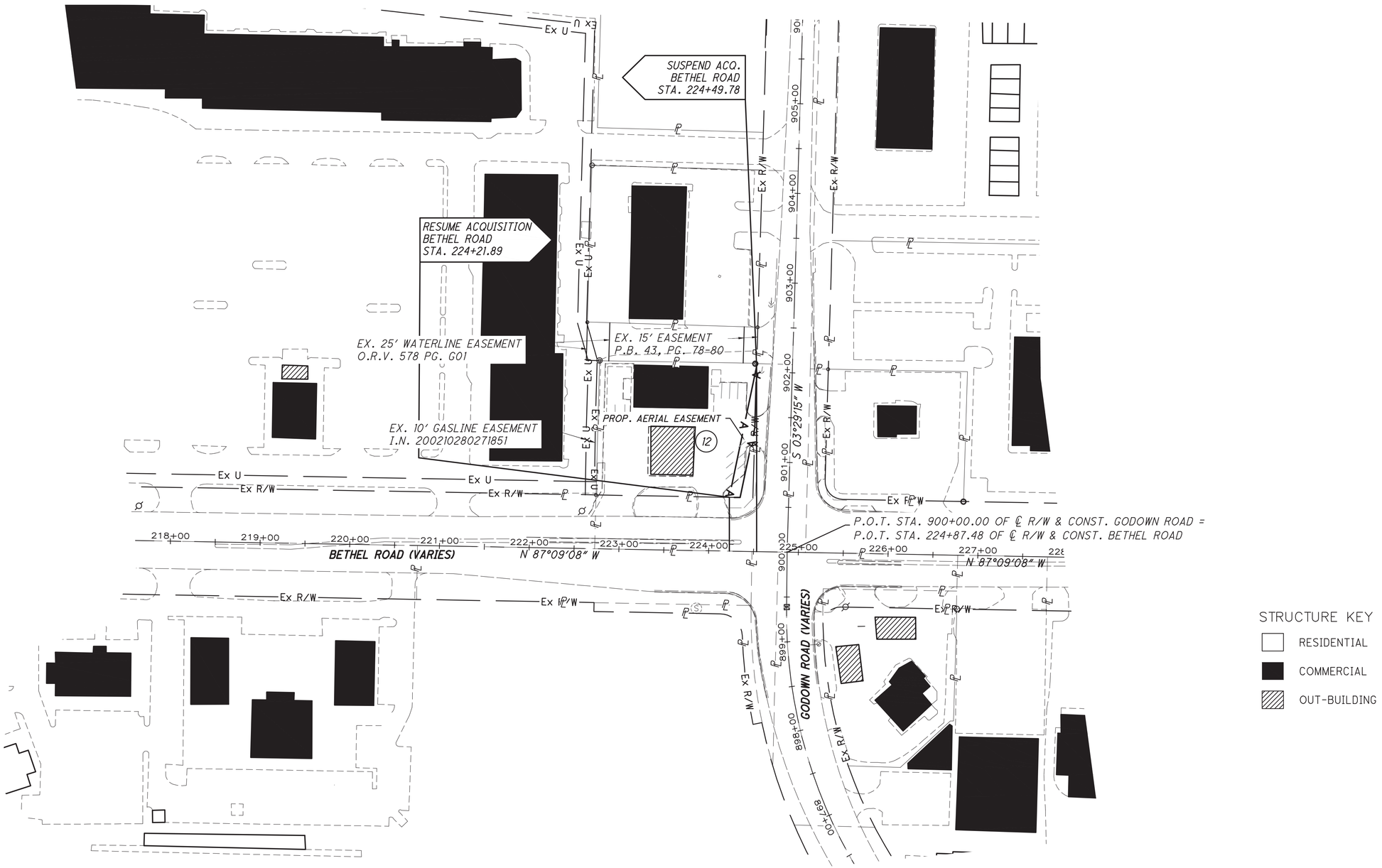
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FRANKLIN COUNTY
CITY OF COLUMBUS
QUARTER TOWNSHIP 4, TOWNSHIP 2, RANGE 19
UNITED STATES MILITARY LANDS

OWNERSHIP NAME AND NUMBER

(12) SPEEDWAY SUPERAMERICA LLC


Ex U
SUSPEND ACQ.
BETHEL ROAD
STA. 224+49.78
RESUME ACQUISITION
BETHEL ROAD
STA. 224+21.89
EX. 25' WATERLINE EASEMENT
O.R.V. 578 PG. 601
EX. 15' EASEMENT
P.B. 43, PG. 78-80
EX. 10' GASLINE EASEMENT
I.N. 200210280271851
PROP. AERIAL EASEMENT
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TOTAL NUMBER OF :
5 OWNERSHIPS 0 TOTAL TAKES
7 PARCELS 0 OWNERSHIPS W/ STRUCTURES INVOLVED

NET RESIDUE = RECORD AREA - TOTAL PRO - NET TAKE

GRANTEE:
ALL RIGHT OF WAY ACQUIRED IN THE NAME OF
CITY OF COLUMBUS, OHIO
UNLESS OTHERWISE SHOWN.

ALL AREAS IN ACRES

PARCEL NO.	OWNER	SHEET NO.	OWNERS RECORD BOOK	OWNERS RECORD PAGE	AUDITOR'S PARCEL	RECORD AREA (Δ)	TOTAL P.R.O.	GROSS TAKE	P.R.O. IN TAKE	NET TAKE	STRUCTURE	NET RESIDUE LEFT	NET RESIDUE RIGHT	TYPE FUND	REMARKS	AS ACQUIRED INSTRUMENT NUMBER
														100%		
1	NOT USED													Local		
2-WD	DOMINICAN SISTERS, ST. MARY OF	10-13	97	431	010-223711	28.804	1.176	1.308	1.176	0.132		27.496			FOR EXISTING ROADWAY	
	THE SPRINGS, COLUMBUS, OHIO, SUCCESSOR	16-19	99	476											(FIRST PARCEL DEED ACREAGE IS 32 3/4 ACRES)	
	TO THE CONGREGATION OF THE SISTERS OF THE		2517	145												
	THIRD ORDER OF ST. DOMINIC OF ST. MARY		2517	149												
	OF THE SPRINGS, SUCCESSOR TO LADIES		O.R.V. 30053	F18												
	LITERARY INSTITUTE OF ST. MARY'S OF THE		O.R.V. 33447	B20												
	SPRINGS, SUCCESSOR TO ST. MARY'S FEMALE															
	LITERARY SOCIETY															
2-U					010-223711	28.804	1.176	0.019	0.000	0.019					FOR TRAFFIC SIGNAL EQUIPMENT & GUARDRAIL	
3-WD	DOMINICAN SISTERS, ST. MARY OF	11, 17	O.R.V. 22286	A17	010-077398	0.790 (C)	0.007	0.011	0.007	0.004			0.779		FOR TRAFFIC SIGNAL EQUIPMENT, SIDEWALK &	
	THE SPRINGS, COLUMBUS, OHIO, SUCCESSOR TO		O.R.V. 30053	F18											WALL	
	THE CONGREGATION OF THE SISTERS OF THE		O.R.V. 33447	B20											(LOT 21)	
	THIRD ORDER OF ST. DOMINIC OF ST. MARY															
	OF THE SPRINGS															
4	OJALA A. MWALIMU	11, 17	I.N. 202004140049418		010-079626	0.256 (C)									NO R/W REQUIRED	
5-WD1	MOUNA BOUHAJRA AND ISSAM RHAZZAL	11, 17	I.N. 202102250035211		010-079627	0.227 (C)	0.0030	0.0033	0.0028	0.0005					FOR TRAFFIC SIGNAL EQUIPMENT	
															(LOT 3 & PART OF LOT 2)	
5-WD2					010-079628	0.130 (C)	0.0346	0.0346	0.0346	0.0000					FOR EXISTING ROADWAY	
	TOTAL					0.357 (C)	0.0376	0.0379	0.0374	0.0005			0.3189		(LOT 4)	
6-U	THE COFFMAN FAMILY PARTNERSHIP, LLP	14, 20	I.N. 201703130034595		010-096152	4.636	0.000	0.020	0.000	0.020					FOR TRAFFIC SIGNAL EQUIPMENT	
	F/K/A THE COFFMAN FAMILY PARTNERSHIP														(DEED ACREAGE IS 5.37 ACRES)	
7	WENDELL CARSON	14, 20	1162	205											NO R/W REQUIRED	
8	TJAY N. SPENCER	11, 17	I.N. 201503270038349		010-079629	0.288 (C)									NO R/W REQUIRED	
9 TO 11	NOT USED															
12-A	SPEEDWAY SUPERAMERICA LLC	15, 21	O.R.V. 14229	B20	010-098819	0.603	0.000	0.032	0.000	0.032					FOR AERIAL TRAFFIC SIGNAL EQUIPMENT	
			O.R.V. 25015	C17											4 SHRUBS	
			I.N. 200812230183295											100%		
			I.N. 199807160178005											Local		

NOTE:
UNDER NO CIRCUMSTANCES ARE TEMPORARY CONSTRUCTION EASEMENTS TO BE USED FOR STORAGE OF MATERIAL OR EQUIPMENT BY THE CONTRACTOR UNLESS NOTED OTHERWISE.

ACCESS TO COMMERCIAL AND RESIDENTIAL DRIVES SHALL BE MAINTAINED AT ALL TIMES.
ALL TEMPORARY PARCELS TO BE OF 12 MONTHS DURATION.

SEE SHEET 9 FOR ENCROACHMENT SUMMARY

TYPES OF TITLE LEGEND:
WD = WARRANTY DEED
U = UTILITY EASEMENT
A = AERIAL EASEMENT

Δ = AREA FROM AUDITOR'S OFFICE
(C) = CALCULATED
*= R/W ENCROACHMENT

REV. BY	DATE	DESCRIPTION

DATE COMPLETED:

3676-E

FEDERAL PROJECT NO. E191(339)
PID NO. 110521
STATE JOB NO. 460225
R/W DESIGNER MLS
R/W REVIEWER MEF

SUMMARY OF ADDITIONAL RIGHT OF WAY

FRA SGNL-PHASE F

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PARCEL NO.	OWNER	CONSTRUCTION PLAN SHEET NO.	R/W PLAN SHEET NO.	AUDITOR'S PARCEL	PROPERTY ADDRESS	REMARKS
	MICHAEL L SMITH		10	010-077390	2321 AIRPORT DR, COLUMBUS, OH 43219	PARKING BLOCKS (8). ITEM MARKED DND AND TO REMAIN. NOT WITHIN CONSTRUCTION LIMITS.
	JAMES J SCHMIDT & MARY S SCHMIDT		10	010-077393	2345 AIRPORT DR, COLUMBUS, OH 43219	LANDSCAPING STONE. ITEM MARKED DND AND TO REMAIN. NOT WITHIN CONSTRUCTION LIMITS.
	GODFREY F. MENDES		10	010-077328	2329 AIRPORT DR, COLUMBUS, OH 43219	RAILROAD TIES (16'). ITEM MARKED DND AND TO REMAIN. NOT WITHIN CONSTRUCTION LIMITS.
	DOMINICAN SISTERS, ST. MARYS OF THE SPRINGS, COLUMBUS, OHIO		10	010-077396	2355 AIRPORT DR, COLUMBUS, OH 43219	LANDSCAPING STONES (2). ITEM MARKED DND AND TO REMAIN. NOT WITHIN CONSTRUCTION LIMITS.
	DOMINICAN SISTERS, ST. MARYS OF THE SPRINGS, COLUMBUS, OHIO		10	010-077394	2355 AIRPORT DR, COLUMBUS, OH 43219	RAILROAD TIE (6'). ITEM MARKED DND AND TO REMAIN. NOT WITHIN CONSTRUCTION LIMITS.
2	DOMINICAN SISTERS, ST. MARY OF THE SPRINGS, COLUMBUS, OHIO		11	010-223711	2320 AIRPORT DR, COLUMBUS, OH 43219	STONE PILLAR. ITEM MARKED DND AND TO REMAIN. NOT WITHIN CONSTRUCTION LIMITS.
2	DOMINICAN SISTERS, ST. MARY OF THE SPRINGS, COLUMBUS, OHIO		12	010-223711	2320 AIRPORT DR, COLUMBUS, OH 43219	4' CHAIN LINK FENCE (22') AND STONES (2). ITEM MARKED DND AND TO REMAIN. NOT WITHIN CONSTRUCTION LIMITS.
	HORACE E PERKINS		12	010-008469	1039 SUNBURY AVE, COLUMBUS, OH 43219	STONE AND STUMP. ITEM MARKED DND AND TO REMAIN.
	JEFFERY R NOTTINGHAM		12	010-008468	1047 SUNBURY AVE, COLUMBUS, OH 43219	BUSHES (11), STONES (2) AND STUMPS (2). ITEM MARKED DND AND TO REMAIN.
	RAPHAEL S WONG & DOREEN W WONG		12	010-032695	1065 SUNBURY AVE, COLUMBUS, OH 43219	MODULAR BLOCK PILLARS (8) AND MODULAR BLOCK WALL (12'). ITEM MARKED DND AND TO REMAIN. NOT WITHIN CONSTRUCTION LIMITS.
	NARCISA GABRIELA SERRANO & JAMIE FRANCO CALDERON		12	010-032693	1071 SUNBURY AVE, COLUMBUS, OH 43219	LANDSCAPING, STONE PILLARS (2) AND STONE WALLS (92'). ITEM MARKED DND AND TO REMAIN. NOT WITHIN CONSTRUCTION LIMITS.
	HENRY KUNZE		12	010-035881	1083 SUNBURY AVE, COLUMBUS, OH 43219	STONE WALLS (84') AND LIGHTS (2). ITEM MARKED DND AND TO REMAIN. NOT WITHIN CONSTRUCTION LIMITS.
	ZACHERY P HAFFNER & MELISSA L HAFFNER		13	010-032692	1095 SUNBURY AVE, COLUMBUS, OH 43219	LANDSCAPING STONE AND MODULAR BLOCK WALLS (21'). ITEM MARKED DND AND TO REMAIN.
	SEQUOYAH PARKS		13	010-032662	1105 SUNBURY AVE, COLUMBUS, OH 43219	STONE WALLS (50'). ITEM MARKED DND AND TO REMAIN.
	REBECCA C CHANDLER		13	010-032462	1111 SUNBURY AVE, COLUMBUS, OH 43219	STONE WALLS (63'). ITEM MARKED DND AND TO REMAIN.
	CHEYENNE TAYLOR & PAUL L TAYLOR, SR		13	010-032534	1119 SUNBURY AVE, COLUMBUS, OH 43219	RAILROAD TIES (42'). ITEM MARKED DND AND TO REMAIN. NOT WITHIN CONSTRUCTION LIMITS.
	LAR-JO LTD.		15	010-138788	1400 BETHEL ROAD, COLUMBUS, OH 43220	BUSHES (4) AND PARKING BLOCKS (6). ITEM MARKED DND AND TO REMAIN. NOT WITHIN CONSTRUCTION LIMITS.
	CERTIFIED OIL CORPORATION		15	010-144409	1401 BETHEL ROAD, COLUMBUS, OH 43220	PARKING BLOCKS (3). ITEM MARKED DND AND TO REMAIN. NOT WITHIN CONSTRUCTION LIMITS.

REV. BY	DATE	DESCRIPTION

DATE COMPLETED:

3676-E

FEDERAL PROJECT NO. E191(339)

PID NO. 110521

STATE JOB NO. 460225

R/W DESIGNER MLS

R/W REVIEWER MEF

ENCROACHMENT SUMMARY

FRA SGNL-PHASE F

M:\1188001_HNTB-CTSSPhaseF\DWG\ROW\1188001_RS001.dwg 15-Mar-21 2:15 PM

FRANKLIN COUNTY
CITY OF COLUMBUS
QUARTER TOWNSHIP 3, TOWNSHIP 1, RANGE 17
UNITED STATES MILITARY LANDS

MONUMENT LEGEND

- EXISTING R/W MONUMENT BOX
- PROPOSED R/W MONUMENT BOX
- EXISTING CONCRETE MONUMENT
- PROPOSED CONCRETE MONUMENT
- RAILROAD SPIKE FOUND
- RAILROAD SPIKE SET
- I.P.F. IRON PIN FOUND
- I.P.S. 5/8" x 30" REBAR WITH YELLOW PLASTIC CAP STAMPED "EP FERRIS SURVEYOR 8342" TO BE SET
- (SCP) SURVEY CONTROL POINT
- I.P.F. IRON PIN FOUND W/ ID CAP
- P.F. IRON PIPE FOUND
- P.S. IRON PIPE SET W/ EP FERRIS TRAVERSE CAP
- P.K. NAIL FOUND
- M.S.S. MAG SPIKE SET - 3/8" x 3" SPIKE W/ 1" DIAM. HEAD W/ 1.5" DIAM. BRASS WASHER STAMPED "EP FERRIS SURVEYOR 8342" TO BE SET

MATCH LINE STA. 111+75.00, SEE SHEET 12

CONST. LIMITS

1039 SUNBURY ROAD
PAR 010-008469

EX. ℄ R/W & CONST. SUNBURY AVENUE

SUNBURY AVENUE (60') ROAD RECORD 5, PG. 22

SAINT MARY'S GATE ADDITION PLAT BOOK 7, PAGE 488

LOT 8

EX. STRAIN POLE

WOODED

EX. PEDESTAL

EX. SIGN

EX. 3" GAS

EX. 8" WTR (L_1_072)

EX. 8" SAN (RP691)

EX. 18" STM (RP1492)

LEONARD AVENUE (60')

EX. WV

EX. SPAN WIRE

EX. ORNAMENTAL GRASS (TYP.)

N 17°57'09" E

EX. 4' CHAIN LINK FENCE

P.O.T. STA. 110+63.27 OF ℄ R/W & CONST. SUNBURY AVENUE =
P.O.T. STA. 7+25.00 OF ℄ R/W & CONST. LEONARD AVENUE

EX. FLOWER BED

EX. STONE PILLAR

EX. CURB

EX. ASPHALT

EX. CONC. PAD

EX. STRAIN POLE

EX. GRASS

BEGIN ACQUISITION
AIRPORT DRIVE
STA. 997+93.78

BEGIN ACQUISITION
SUNBURY AVENUE
STA. 109+50.00

EX. 8" SAN (RP20095)

EX. UTILITY POLE W/ LIGHT

EX. PEDESTAL

EX. STRAIN POLE

EX. 6" GAS

EX. 24" STM (RP1492)

EX. UTILITY POLE

(SCP)

EX. MB

EX. 2" GAS

EX. FH

EX. 12" WTR (GTP0995)

EX. WV

N 38°07'12" E

EX. 10" SAN (RP654)

EX. GUARDRAIL

EX. UTILITY POLE W/ LIGHT

I.P.F.

EX. MB

EX. ℄ R/W & CONST. SUNBURY AVENUE

P.I. STA. 109+50.00 OF ℄ R/W & CONST. SUNBURY AVENUE =
P.O.T. STA. 997+69.28 OF ℄ R/W & CONST. AIRPORT DRIVE

EX SH

2-WD

EX. EOP

EX. CONC. W/ CUTOFF POSTS

EX. 4' CHAIN LINK FENCE

CONST. LIMITS

EX. UTILITY POLE W/ LIGHT

EX. 24" STM (RP1492)

EX. STUMP (DND)

EX. LOOP DETECTOR
N 87°04'54" E

EX. ℄ R/W & CONST. AIRPORT DRIVE
(FORMERLY JOHNSTOWN ROAD)

AIRPORT DRIVE (60')
ROAD RECORD 7, PG. 59,
SEE O.R. 551-89)

EX. GUARDRAIL

*EX. PARKING BLOCKS (8) (DND)

EX. 10" SAN (RP654)

EX. 8" WTR (L_1_062)

AXLE FOUND

*EX. L/S STONE (DND)

*EX. RAILROAD TIE (6' ENC.) (DND)

EX. 6" GAS

EX. SIGN

EX. GUARDRAIL

EX. ASPHALT

EX. STRAIN POLE & CONTROLLER

EX. PARKING BLOCKS

EX. L/S STONES

*EX. RAILROAD TIES (16' ENC.) (DND)

*EX. L/S STONE (2) (DND)

MATCH LINE STA. 1003+00.00, SEE SHEET 11

2321 AIRPORT DRIVE
PAR. 010-077390

2329 AIRPORT DRIVE
PAR. 010-077328

2345 AIRPORT DRIVE
PAR. 010-077393

2355 AIRPORT DRIVE
PAR. 010-077394

2355 AIRPORT DRIVE
PAR. 010-077396

ST. MARY'S PARK ADDITION
PLAT BOOK 16, PAGE 68

DOMINICAN SISTERS, ST. MARY OF THE SPRINGS, COLUMBUS, OHIO, SUCCESSOR TO THE CONGREGATION OF THE SISTERS OF THE THIRD ORDER OF ST. DOMINIC OF ST. MARY OF THE SPRINGS, SUCCESSOR TO LADIES LITERARY INSTITUTE OF ST. MARY'S OF THE SPRINGS, SUCCESSOR TO ST. MARY'S FEMALE LITERARY SOCIETY

AS ORIGINALLY ACQUIRED IN D.B. 97, PG. 431
DB 99, PG 476.
AFFIDAVIT FOR CHANGE OF NAME IN O.R.V. 30053 PAGE F18
O.R.V. 33447 PAGE B20
D.B. 2517, PG. 145
D.B. 2517, PG. 149
PAR. 010-223711
2320 AIRPORT DRIVE

(2)

28.804 AC.
COMMERCIAL

AFFIDAVIT FOR CHANGE OF NAME IN O.R.V. 33447, PG. B20 DID NOT INCLUDE P.R.O. OF SUNBURY AVENUE OR AIRPORT DRIVE. P.R.O. IS STILL UNDER THE PREVIOUS NAME OF THE CONGREGATION OF THE SISTERS OF THE THIRD ORDER OF ST. DOMINIC OF ST. MARY OF THE SPRINGS.

NOTE:
- * DENOTES RIGHT OF WAY ENCROACHMENT

REV. BY	DATE	DESCRIPTION
DATE COMPLETED:		

3676-E

HORIZONTAL SCALE IN FEET
0 10 20 40

PID NO. 110521

R/W DESIGNER MLS
R/W REVIEWER MEF

RIGHT OF WAY TOPO SHEET
STA. 997+69.28 TO STA. 1003+00.00

FRA SGNL-PHASE F

10 / 21

757 / 768

M:\1188001_HNTB-CTSSPhaseF\DWG\ROW\1188001_RT001_Airport.dwg 15-Mar-21 2:15 PM

FRANKLIN COUNTY
CITY OF COLUMBUS
QUARTER TOWNSHIP 3, TOWNSHIP 1, RANGE 17
UNITED STATES MILITARY LANDS

MONUMENT LEGEND

- EXISTING R/W MONUMENT BOX
- PROPOSED R/W MONUMENT BOX
- EXISTING CONCRETE MONUMENT
- PROPOSED CONCRETE MONUMENT
- RAILROAD SPIKE FOUND
- RAILROAD SPIKE SET
- I.P.F. IRON PIN FOUND
- I.P.S. 5/8" x 30" REBAR WITH YELLOW PLASTIC CAP STAMPED "EP FERRIS SURVEYOR 8342" TO BE SET
- (SCP) SURVEY CONTROL POINT
- I.P.F. IRON PIN FOUND W/ ID CAP
- P.F. IRON PIPE FOUND
- P.S. IRON PIPE SET W/ EP FERRIS TRAVERSE CAP
- P.K. NAIL FOUND
- M.S.S. MAG SPIKE SET - 3/8" x 3" SPIKE W/ 1" DIAM. HEAD W/ 1.5" DIAM. BRASS WASHER STAMPED "EP FERRIS SURVEYOR 8342" TO BE SET

DOMINICAN SISTERS, ST. MARY OF THE SPRINGS, COLUMBUS, OHIO, SUCCESSOR TO THE CONGREGATION OF THE SISTERS OF THE THIRD ORDER OF ST. DOMINIC OF ST. MARY OF THE SPRINGS, SUCCESSOR TO LADIES LITERARY INSTITUTE OF ST. MARY'S OF THE SPRINGS, SUCCESSOR TO ST. MARY'S FEMALE LITERARY SOCIETY

AS ORIGINALLY ACQUIRED IN D.B. 97, PG. 431
DB 99, PG 476.
AFFIDAVIT FOR CHANGE OF NAME IN O.R.V. 30053 PAGE F18
O.R.V. 33447 PAGE B20
D.B. 2517, PG. 145
D.B. 2517, PG. 149
PAR 010-223711
2320 AIRPORT DRIVE
(2)
28.804 AC.
COMMERCIAL

AFFIDAVIT FOR CHANGE OF NAME IN O.R.V. 33447, PG. B20 DID NOT INCLUDE P.R.O. OF SUNBURY AVENUE OR AIRPORT DRIVE. P.R.O. IS STILL UNDER THE PREVIOUS NAME OF THE CONGREGATION OF THE SISTERS OF THE THIRD ORDER OF ST. DOMINIC OF ST. MARY OF THE SPRINGS.

DOMINICAN SISTERS, ST. MARY OF THE SPRINGS, COLUMBUS, OHIO, SUCCESSOR TO THE CONGREGATION OF THE SISTERS OF THE THIRD ORDER OF ST. DOMINIC OF ST. MARY OF THE SPRINGS

O.R.V. 22286 PG. A17
AFFIDAVIT FOR CHANGE OF NAME IN O.R.V. 30053 PG. F18
O.R.V. 33447 PG. B20
PAR 010-077398
2385 AIRPORT DRIVE
(3)
0.790 AC.
RESIDENTIAL

STATE OF OHIO HIGHWAY EASEMENT PARCEL 2 (FRA-62-19.06)
FRANKLIN COUNTY COURT OF COMMON PLEAS
CASE NO. 214388
0.009 AC.

STATE OF OHIO HIGHWAY EASEMENT PARCEL 2-A (FRA-62-19.06)
FRANKLIN COUNTY COURT OF COMMON PLEAS
CASE NO. 214389
0.003 AC.

STATE OF OHIO HIGHWAY EASEMENT PARCEL 3 (FRA-62-19.06)
FRANKLIN COUNTY COURT OF COMMON PLEAS
CASE NO. 214390
0.058 AC.

STATE OF OHIO HIGHWAY EASEMENT PARCEL 3-A (FRA-62-19.06)
FRANKLIN COUNTY COURT OF COMMON PLEAS
CASE NO. 214390
0.003 AC.

STATE OF OHIO HIGHWAY EASEMENT PARCEL 4 (FRA-62-19.06)
FRANKLIN COUNTY COURT OF COMMON PLEAS
CASE NO. 214391
0.023 AC.

STATE OF OHIO LIMITED ACCESS HIGHWAY EASEMENT PARCEL 1-WL (FRA-62-19.06)
FRANKLIN COUNTY COURT OF COMMON PLEAS
CASE NO. 214113
O.R.V. 02962, PG C18

OJALA A. MWALIMU
I.N. 202004140049418
PAR 010-079626
922 NELSON ROAD
(4)
0.256 AC.
RESIDENTIAL

TJAY N. SPENCER
I.N. 201503270038349
PAR 010-079629
2445 AIRPORT DRIVE
(8)
0.288 AC.
RESIDENTIAL

MOUNA BOUHAJRA AND ISSAM RHAZZAL
I.N. 202102250035211
PAR 010-079627 &
PAR 010-079628
2421 AIRPORT DRIVE
(5)
0.357 AC.
RESIDENTIAL

ST. MARY'S PARK ADDITION PLAT BOOK 16, PAGE 68
SPRINGS PLACE ADDITION PLAT BOOK 17, PAGE 82

NOTE:
- *P.O.T. STA. 25+50.00 OF ℄ R/W & CONST. NELSON ROAD = P.I. STA. 1006+45.00 OF ℄ R/W & CONST. AIRPORT DRIVE (FORMERLY JOHNSTOWN ROAD)*
- ** DENOTES RIGHT OF WAY ENCROACHMENT*

MATCH LINE STA. 1003+00.00, SEE SHEET 10

REV. BY	DATE	DESCRIPTION

DATE COMPLETED:

3676-E

N

HORIZONTAL SCALE IN FEET: 0, 10, 20, 40

PID NO. 110521

R/W DESIGNER MLS
R/W REVIEWER MEF

RIGHT OF WAY TOPO SHEET
STA. 1003+00.00 TO STA. 1008+50.00

FRA SGNL-PHASE F

11 / 21

758 / 768

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FRANKLIN COUNTY
CITY OF COLUMBUS
QUARTER TOWNSHIP 3, TOWNSHIP 1, RANGE 17
UNITED STATES MILITARY LANDS

MONUMENT LEGEND

- EXISTING R/W MONUMENT BOX
- PROPOSED R/W MONUMENT BOX
- EXISTING CONCRETE MONUMENT
- PROPOSED CONCRETE MONUMENT
- RAILROAD SPIKE FOUND
- RAILROAD SPIKE SET
- I.P.F. IRON PIN FOUND
- I.P.S. 5/8" x 30" REBAR WITH YELLOW PLASTIC CAP STAMPED "EP FERRIS SURVEYOR 8342" TO BE SET
- (SCP) SURVEY CONTROL POINT
- I.P.F. IRON PIN FOUND W/ ID CAP
- P.F. IRON PIPE FOUND
- P.S. IRON PIPE SET W/ EP FERRIS TRAVERSE CAP
- P.K. NAIL FOUND
- M.S.S. MAG SPIKE SET - 3/8" x 3" SPIKE W/ 1" DIAM. HEAD W/ 1.5" DIAM. BRASS WASHER STAMPED "EP FERRIS SURVEYOR 8342" TO BE SET

SAINT MARY'S GATE ADDITION
PLAT BOOK 7, PAGE 488

1039 SUNBURY ROAD
PAR 010-008469

1047 SUNBURY ROAD
PAR 010-008468

1065 SUNBURY ROAD
PAR 010-032695

1071 SUNBURY ROAD
PAR 010-032693

1083 SUNBURY ROAD
PAR 010-035881

LOT 8 | LOT 7 | LOT 6 | LOT 5 | LOT 4

EX. GAS METER
EX. GAS METER
*EX. BUSHES (2) (DND)
*EX. STONES (2) (DND)
15"
8"
4"
I.P.F.
8"
15"
EX. WV
*EX. BUSHES (9) (DND)
*EX. STUMPS (2) (DND)
*EX. STONE (DND)
*EX. STUMP (DND)
2-WD
EX. WV
EX. FH
R/W
EX SH
EX. TELECOM BOX
EX. 4' CHAIN LINK FENCE
EX. EOP
EX. ASPHALT
EX. ASPHALT
I.P.F.
*EX. MODULAR BLOCK PILLAR (DND)
*EX. MODULAR BLOCK WALL (12' ENC.) (DND)
EX. LIGHT POLE
*EX. MODULAR BLOCK PILLARS (7) (DND)
EX. GAS METER
*EX. STONES (2) (DND)
EX. CONC.
*EX. 4' CHAIN LINK FENCE (22' ENC.) (DND)
*EX. STONE WALL (24' ENC) (DND)
*EX. STONE PILLARS (2) (DND)
*EX. L/S (DND)
*EX. STONE WALL (68' ENC) (DND)
EX. CONCRETE
2"
EX. WV
24"
24"
EX. SIGN
EX. GUARDRAIL
EX. LIGHT POLE
*EX. STONE WALL (37' ENC.) (DND)
EX. 2" GAS
EX. ASPHALT
*EX. LIGHTS (2) (DND)
*EX. STONE WALL (47' ENC.) (DND)
EX. WV
EX. FH
EX SH
R/W
EX. WALL
WOODED

Ex R/W — P — P — Ex R/W — P — P — Ex R/W — P — P — Ex R/W — P — P — Ex R/W — P

112+00 | 113+00 | 114+00 | 115+00 | 116

CONST. LIMITS
N 17°51'09" E
EX. ℄ R/W & CONST. SUNBURY AVENUE
SUNBURY AVENUE (60')
ROAD RECORD 5, PG. 22
EX. 12" WTR (CTP0995)
30'
30'

MATCH LINE STA. 111+75.00, SEE SHEET 10

MATCH LINE STA. 116+00.00, SEE SHEET 13

DOMINICAN SISTERS, ST. MARY OF THE SPRINGS, COLUMBUS, OHIO, SUCCESSOR TO THE CONGREGATION OF THE SISTERS OF THE THIRD ORDER OF ST. DOMINIC OF ST. MARY OF THE SPRINGS, SUCCESSOR TO LADIES LITERARY INSTITUTE OF ST. MARY'S OF THE SPRINGS, SUCCESSOR TO ST. MARY'S FEMALE LITERARY SOCIETY

AS ORIGINALLY ACQUIRED IN DB 99, PG 476.
AFFIDAVIT FOR CHANGE OF NAME IN O.R.V. 33447 PAGE B20
D.B. 2517, PG. 145
D.B. 2517, PG. 149
PAR 010-223711
2320 AIRPORT DRIVE

(2)

28.804 AC.
COMMERCIAL

AFFIDAVIT FOR CHANGE OF NAME IN O.R.V. 33447, PG. B20 DID NOT INCLUDE P.R.O. OF SUNBURY AVENUE OR AIRPORT DRIVE. P.R.O. IS STILL UNDER THE PREVIOUS NAME OF THE CONGREGATION OF THE SISTERS OF THE THIRD ORDER OF ST. DOMINIC OF ST. MARY OF THE SPRINGS.

EX. UTILITY EASEMENT
D.B. 1001, PG. 629

EX U

HORIZONTAL SCALE IN FEET
0 10 20 40

PID NO. 110521

R/W DESIGNER MLS
R/W REVIEWER MEF

RIGHT OF WAY TOPO SHEET
STA. 111+75.00 TO STA. 116+00.00

FRA SGNL-PHASE F

12/21

759/768

3676-E

REV. BY	DATE	DESCRIPTION

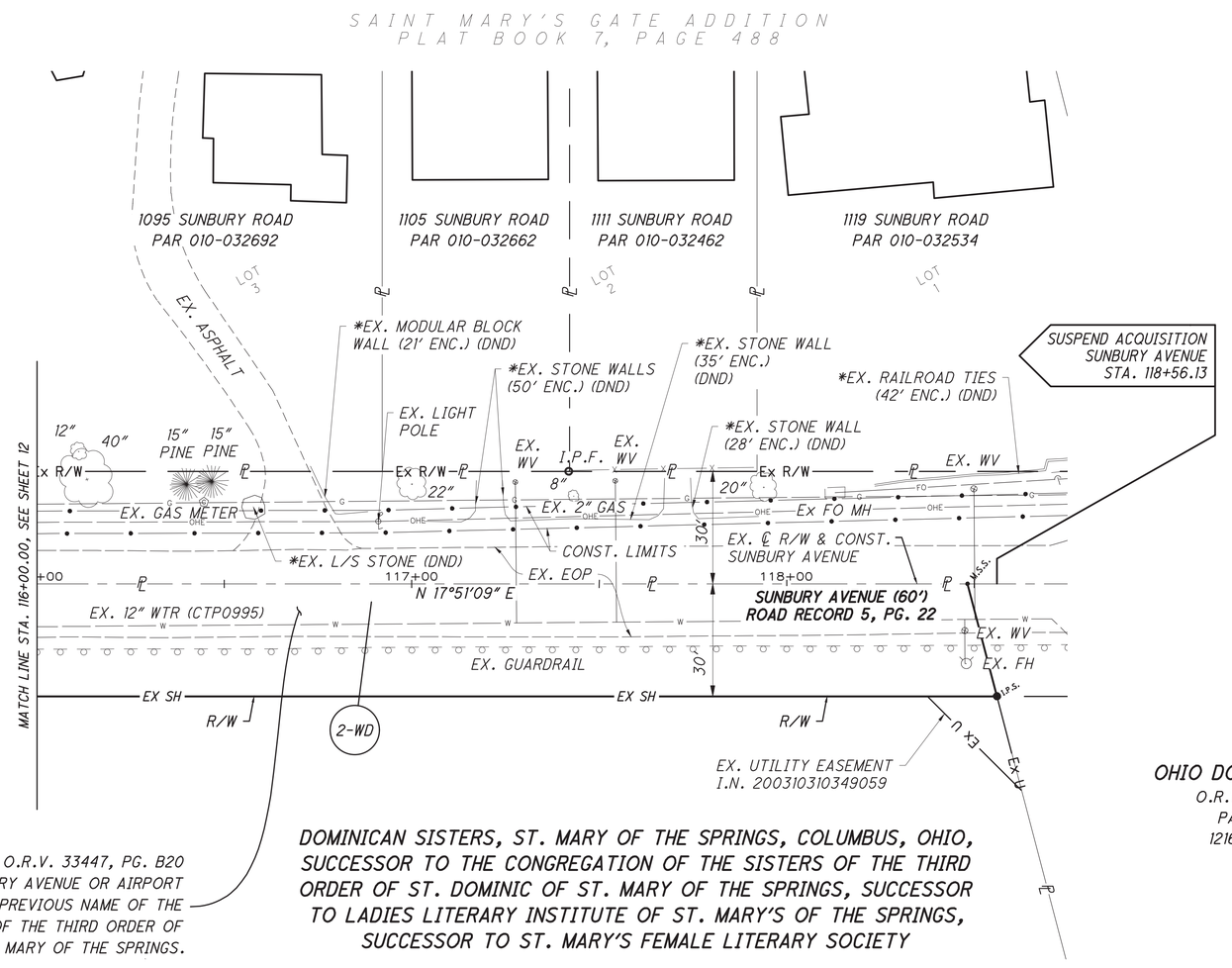
DATE COMPLETED:

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FRANKLIN COUNTY
CITY OF COLUMBUS
QUARTER TOWNSHIP 3, TOWNSHIP 1, RANGE 17
UNITED STATES MILITARY LANDS

MONUMENT LEGEND

- EXISTING R/W MONUMENT BOX
- PROPOSED R/W MONUMENT BOX
- EXISTING CONCRETE MONUMENT
- PROPOSED CONCRETE MONUMENT
- RAILROAD SPIKE FOUND
- RAILROAD SPIKE SET
- O I.P.F. IRON PIN FOUND
- ● I.P.S. 5/8" x 30" REBAR WITH YELLOW PLASTIC CAP STAMPED "EP FERRIS SURVEYOR 8342" TO BE SET
- (SCP) SURVEY CONTROL POINT
- ⊕ I.P.F. IRON PIN FOUND W/ ID CAP
- ◎ P.F. IRON PIPE FOUND
- ◉ P.S. IRON PIPE SET W/ EP FERRIS TRAVERSE CAP
- ⌑ P.K. NAIL FOUND
- • M.S.S. MAG SPIKE SET - 3/8" x 3" SPIKE W/ 1" DIAM. HEAD W/ 1.5" DIAM. BRASS WASHER STAMPED "EP FERRIS SURVEYOR 8342" TO BE SET



AFFIDAVIT FOR CHANGE OF NAME IN O.R.V. 33447, PG. B20 DID NOT INCLUDE P.R.O. OF SUNBURY AVENUE OR AIRPORT DRIVE. P.R.O. IS STILL UNDER THE PREVIOUS NAME OF THE CONGREGATION OF THE SISTERS OF THE THIRD ORDER OF ST. DOMINIC OF ST. MARY OF THE SPRINGS.

DOMINICAN SISTERS, ST. MARY OF THE SPRINGS, COLUMBUS, OHIO, SUCCESSOR TO THE CONGREGATION OF THE SISTERS OF THE THIRD ORDER OF ST. DOMINIC OF ST. MARY OF THE SPRINGS, SUCCESSOR TO LADIES LITERARY INSTITUTE OF ST. MARY'S OF THE SPRINGS, SUCCESSOR TO ST. MARY'S FEMALE LITERARY SOCIETY

AS ORIGINALLY ACQUIRED IN DB 99, PG 476.
AFFIDAVIT FOR CHANGE OF NAME IN O.R.V. 33447 PAGE B20
D.B. 2517, PG. 145
D.B. 2517, PG. 149
PAR 010-223711
2320 AIRPORT DRIVE

(2)

28.804 AC.
COMMERCIAL

OHIO DOMINICAN COLLEGE
O.R.V. 27540, PG. D14
PAR. 010-223708
1216 SUNBURY ROAD
2.00 AC.
COMMERCIAL

REV. BY	DATE	DESCRIPTION

DATE COMPLETED:

3676-E

HORIZONTAL SCALE IN FEET: 0, 10, 20, 40

PID NO. 110521

R/W DESIGNER MLS
R/W REVIEWER MEF

FRA SGNL-PHASE F

RIGHT OF WAY TOPO SHEET
STA. 116+00.00 TO STA. 118+75.00

13 / 21

760 / 768

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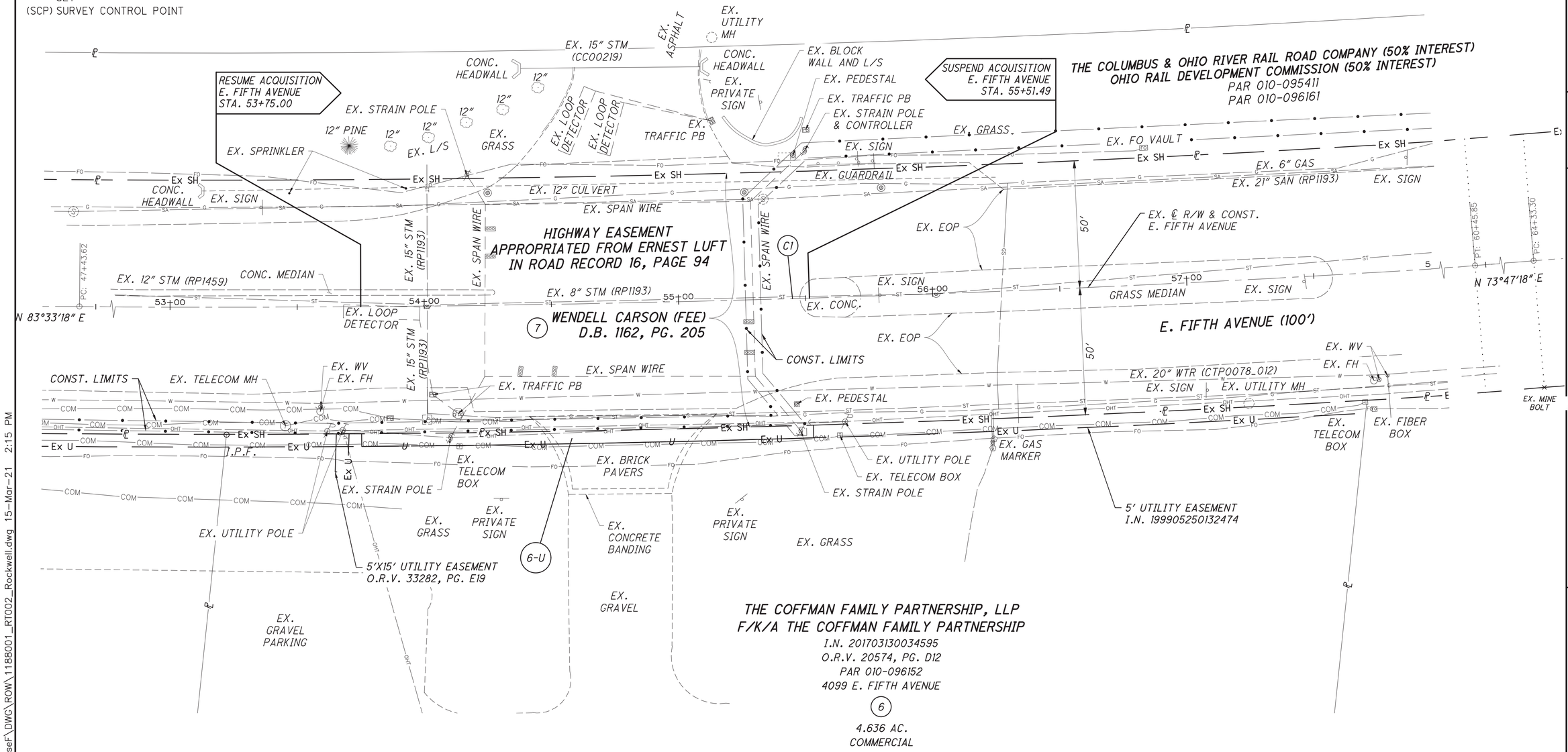
FRANKLIN COUNTY
CITY OF COLUMBUS
QUARTER TOWNSHIP 4, TOWNSHIP 1, RANGE 17
UNITED STATES MILITARY LANDS

MONUMENT LEGEND

- EXISTING R/W MONUMENT BOX
- PROPOSED R/W MONUMENT BOX
- EXISTING CONCRETE MONUMENT
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- RAILROAD SPIKE FOUND
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- P.K. NAIL FOUND
- M.S.S. MAG SPIKE SET - 3/8" x 3" SPIKE W/ 1" DIAM. HEAD W/ 1.5" DIAM. BRASS WASHER STAMPED "EP FERRIS SURVEYOR 8342" TO BE SET

(C1)

℄ CURVE DATA
P.I.: 53+96.32
Δ: 9° 46' 00" (LT)
Dc: 0° 45' 00"
R: 7639.49'
T: 652.70'
L: 1302.23'
E: 27.83'
C.B.: N78° 40' 18"E
C.D.: 1300.66'



REV. BY	DATE	DESCRIPTION
DATE COMPLETED:		

3676-E

R/W DESIGNER MLS
R/W REVIEWER MEF

PID NO. 110521

HORIZONTAL SCALE IN FEET
0 10 20 40

RIGHT OF WAY TOPO SHEET
STA. 52+50.00 TO STA. 58+00.00

FRA SGNL-PHASE F

14 / 21

761 / 768

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FRANKLIN COUNTY
CITY OF COLUMBUS
QUARTER TOWNSHIP 4, TOWNSHIP 2, RANGE 19
UNITED STATES MILITARY LANDS

MONUMENT LEGEND

- EXISTING R/W MONUMENT BOX
- PROPOSED R/W MONUMENT BOX
- EXISTING CONCRETE MONUMENT
- PROPOSED CONCRETE MONUMENT
- RAILROAD SPIKE FOUND
- RAILROAD SPIKE SET
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- M.S.S. MAG SPIKE SET - 3/8" x 3" SPIKE W/ 1" DIAM. HEAD W/ 1.5" DIAM. BRASS WASHER STAMPED "EP FERRIS SURVEYOR 8342" TO BE SET

END ACQUISITION BETHEL ROAD STA. 224+49.78

RESUME ACQUISITION BETHEL ROAD STA. 224+21.89

EX. 25' WATERLINE EASEMENT O.R.V. 578 PG. G01

EX. 15' EASEMENT P.B. 43, PG. 78-80

THE GABLES WEST PLAT BOOK 43, PAGE 78 LOT 322

EX. 10' GASLINE EASEMENT I.N. 200210280271851

EX. 15' GASLINE EASEMENT D.B. 3147 PG. 119

EX. 20" GAS

EX. U G

SPEEDWAY SUPERAMERICA LLC
I.N. 199807160178005
PAR 010-098819
1434 BETHEL ROAD
12
0.603 AC.
COMMERCIAL

EX. 1-STORY BUILDING

EX. CONCRETE PADS

EX. LIGHT POLE (PVT.)

12-A

CONC. WALK

EX. BOLLARDS (3)

BETHEL-RUBEN LIMITED PARTNERSHIP
I.N. 201506050074709
PAR 010-157596
1440-1470 BETHEL ROAD
14.533 AC.
COMMERCIAL

EX. UNDERGROUND STORAGE TANKS

EX. CANOPY

CONST. LIMITS

EX. ASPHALT PARKING LOT

EX. STRAIN POLE

EX. COMM. SIGN (DND)

PROP. AERIAL EASEMENT

EX. ASPHALT PARKING LOT

EX. SHRUBS

EX. SIGN (PVT.)

EX. LIGHT POLE (PVT.)

EX. UTILITY POLE

EX. CONC. APRON

EX. 8" WTR (WL1976-16_003)

EX. LOOP DETECTORS

EX. CONC. WALK

EX. CONC. APRON

EX. UTILITY POLE

902+00

901+00

S 03°29'15" W

40'

40'

EX. 15" STM (E1380)

EX. PEDESTRIAN BUTTON

EX. SPAN WIRE

EX. PEDESTRIAN BUTTON

EX. STRAIN POLE

EX. 12" WTR (CTP0500_008)

EX. 12" WTR (CTP0500_007)

EX. SIGN

CONST. LIMITS

EX. LOOP DETECTOR

EX. SIGN

CONC. MEDIAN

EX. LOOP DETECTORS

EX. PEDESTRIAN BUTTON

EX. SPAN WIRE

EX. 15" STM (E1380)

EX. SPAN WIRE

EX. SIGN

EX. SIGN

CONC. WALK

EX. 4" GAS

EX. LIGHT POLE

EX. STRAIN POLE

EX. PEDESTRIAN BUTTON

EX. UTILITY POLE

EX. 12" WTR (CTP0315_004)

EX. ℄ R/W & CONST. GODOWN ROAD

EX. LOOP DETECTORS

EX. 18" STM (E1380)

EX. CONC. APRON

EX. BUSHES

EX. ASPHALT PARKING LOT

EX. 12" WTR (CTP0315_005)

EX. 4" GAS

EX. CONC. APRON

CONC. WALK

MAG NAIL FND

I.P.F.

*EX. CONC. PARKING BLOCKS (3) (DND)

EX. PRIVATE LIGHT POLE

EX. LIGHT POLE

EX. PEDESTRIAN BUTTON

*EX. BUSHES (4) (DND)

EX. UTILITY POLE

EX. SIGN

EX. STRAIN POLE

EX. CONC. APRON

CONC. WALK

EX. SIGN

EX. CONC. APRON

CONC. WALK

EX. CONC. APRON

EX R/W

I.P.F. (BENT)

I.P.F.

THE CITY OF COLUMBUS
D.B. 3723, PG 599
0.195 AC.

LAR-JO LTD.
O.R.V. 24733 PG. D03
PAR 010-138788
1400 BETHEL ROAD
0.515 AC.
COMMERCIAL

CITY OF COLUMBUS, OHIO
O.R.V. 13977, PG I01
0.309 AC.

P.O.T. STA. 900+00.00 OF ℄ R/W & CONST. GODOWN ROAD =
P.O.T. STA. 224+87.48 OF ℄ R/W & CONST. BETHEL ROAD

1/4 TOWNSHIP 4, TOWNSHIP 2, RANGE 19

1/4 TOWNSHIP 1, TOWNSHIP 1, RANGE 19

CITY OF COLUMBUS, OHIO
D.B. 3049, PG 257
0.530 AC.

MAG NAIL FND

EX. CONC. APRON

CONC. WALK

EX. SIGN

EX. 12" WTR (CTP0500_008)

EX. 12" WTR (CTP0500_007)

EX. ℄ R/W & CONST. BETHEL ROAD

N 87°09'08" W

223+00

224+00

225+00

226+00

227+00

60'

70'

60'

60'

BETHEL ROAD (VARIES)

CITY OF COLUMBUS, OHIO
O.R.V. 10454, PG 119
0.514 AC.

THE CITY OF COLUMBUS
D.B. 2994, PG 244
PARCEL 3A - 0.120 AC.

GODOWN ROAD (VARIES)

FCGS 8832

FCGS 8833

900+00

THE CITY OF COLUMBUS
D.B. 2991, PG 429
0.595 AC.

CITY OF COLUMBUS, OHIO
O.R.V. 12484, PG G18
0.071 AC.

BOARD OF EDUCATION OF THE COLUMBUS CITY SCHOOL DISTRICT
I.N. 200808290131477
PAR 010-144437
1441 BETHEL ROAD
24.568 AC.
EXEMPT

CERTIFIED OIL CORPORATION
I.N. 201112120161602
PAR 010-144409
1401 BETHEL ROAD
0.543 AC.
COMMERCIAL

CITY OF COLUMBUS, OHIO
O.R.V. 16173, PG 108
PARCEL 7-WD - 0.072 AC.

NOTE:
- * DENOTES RIGHT OF WAY ENCROACHMENT

REV. BY	DATE	DESCRIPTION
DATE COMPLETED:		

3676-E

HORIZONTAL SCALE IN FEET
0 15 30 60

PID NO. 110521

R/W DESIGNER MLS
R/W REVIEWER MEF

RIGHT OF WAY TOPO SHEET
STA. 222+50.00 TO STA. 227+00.00

FRA SGNL-PHASE F

15 / 21

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FRANKLIN COUNTY
CITY OF COLUMBUS
QUARTER TOWNSHIP 3, TOWNSHIP 1, RANGE 17
UNITED STATES MILITARY LANDS

MONUMENT LEGEND

- EXISTING R/W MONUMENT BOX
- PROPOSED R/W MONUMENT BOX
- EXISTING CONCRETE MONUMENT
- PROPOSED CONCRETE MONUMENT
- RAILROAD SPIKE FOUND
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- I.P.F. IRON PIN FOUND
- I.P.S. 5/8" x 30" REBAR WITH YELLOW PLASTIC CAP STAMPED "EP FERRIS SURVEYOR 8342" TO BE SET
- (SCP) SURVEY CONTROL POINT
- I.P.F. IRON PIN FOUND W/ ID CAP
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- P.K. NAIL FOUND
- M.S.S. MAG SPIKE SET - 3/8" x 3" SPIKE W/ 1" DIAM. HEAD W/ 1.5" DIAM. BRASS WASHER STAMPED "EP FERRIS SURVEYOR 8342" TO BE SET

MATCH LINE STA. 111+75.00, SEE SHEET 18

P.O.T. STA. 110+63.27 OF ℄ R/W & CONST. SUNBURY AVENUE =
P.O.T. STA. 7+25.00 OF ℄ R/W & CONST. LEONARD AVENUE

SAINT MARY'S GATE ADDITION
PLAT BOOK 7, PAGE 488

LOT 8

Ex R/W — ℄ — Ex R/W

LEONARD AVENUE (60')

7+00

EX. ℄ R/W & CONST. SUNBURY AVENUE

BEGIN ACQUISITION AIRPORT DRIVE STA. 997+93.78

BEGIN ACQUISITION SUNBURY AVENUE STA. 109+50.00

SUNBURY AVENUE (60')
ROAD RECORD 5, PG. 22

N 17°51'09" E 898.26'

111+00

110+00

EX SH

LOT 84

997+93.78, 0.00' T AIRPORT DR
109+50.00, 0.00' T SUNBURY AVE

997+82.94, 0.00' T

POB 2-WD

N 02°55'06" W 30.00'

10.84'

M.S.S.

998+00

P.I. STA. 109+50.00 OF ℄ R/W & CONST. SUNBURY AVENUE =
P.O.T. STA. 997+93.78 OF ℄ R/W & CONST. AIRPORT DRIVE

I.P.F.

997+82.94, 30.00' RT AIRPORT DR
109+36.34, 30.00' RT SUNBURY AVE

RPOB
2-WD
2-U
3-WD
5-WD1
5-WD2

N 38°07'12" E

30'

109+00

I.P.F.

P.I. STA. 109+50.00 OF ℄ R/W & CONST. SUNBURY AVENUE =
P.O.T. STA. 997+69.28 OF ℄ R/W & CONST. AIRPORT DRIVE

LOT 11

LOT 12

LOT 13

LOT 14

LOT 15

LOT 16

LOT 17

LOT 18

LOT 19

ST. MARY'S PARK ADDITION
PLAT BOOK 16, PAGE 68

EX SH — 782.74' — S 17°51'09" W — R/W

998+76.23, 132.78' LT AIRPORT DR
111+03.39, 30.00' RT SUNBURY AVE

I.P.S.

S 33°34'00" E 29.87'

998+91.46, 107.08' LT AIRPORT DR
110+84.76, 53.35' RT SUNBURY AVE

I.P.S.

S 25°44'35" E 59.82'

999+14.66, 51.94' LT AIRPORT DR
110+41.44, 94.60' RT SUNBURY AVE

I.P.S.

S 56°05'57" E 36.62'

998+37.24, 30.00' LT AIRPORT DR
109+93.46, 30.00' RT SUNBURY AVE

EX SH

I.P.S.

999+43.98, 30.00' LT AIRPORT DR
110+31.31, 129.80' RT SUNBURY AVE

2-WD

DOMINICAN SISTERS, ST. MARY OF THE SPRINGS, COLUMBUS, OHIO, SUCCESSOR TO THE CONGREGATION OF THE SISTERS OF THE THIRD ORDER OF ST. DOMINIC OF ST. MARY OF THE SPRINGS, SUCCESSOR TO LADIES LITERARY INSTITUTE OF ST. MARY'S OF THE SPRINGS, SUCCESSOR TO ST. MARY'S FEMALE LITERARY SOCIETY

AS ORIGINALLY ACQUIRED IN D.B. 97, PG. 431
DB 99, PG 476.
AFFIDAVIT FOR CHANGE OF NAME IN O.R.V. 30053 PAGE F18
O.R.V. 33447 PAGE B20
D.B. 2517, PG. 145
D.B. 2517, PG. 149
PAR 010-223711
2320 AIRPORT DRIVE

(2)

28.804 AC.
COMMERCIAL

AFFIDAVIT FOR CHANGE OF NAME IN O.R.V. 33447, PG. B20 DID NOT INCLUDE P.R.O. OF SUNBURY AVENUE OR AIRPORT DRIVE. P.R.O. IS STILL UNDER THE PREVIOUS NAME OF THE CONGREGATION OF THE SISTERS OF THE THIRD ORDER OF ST. DOMINIC OF ST. MARY OF THE SPRINGS.

Ex U
Ex U
EX. UTILITY EASEMENT
D.B. 1001, PG. 629
Ex U
Ex U

AIRPORT DRIVE (60')
ROAD RECORD 7, PG. 59

R/W — N 87°04'54" E 614.59' — R/W — EX SH — EX SH

999+00 — 851.21' — S 87°04'54" W — 1000+00 — 1001+00 — 1002+00 — N 87°04'54" E — 1003

30'
30'

EX. ℄ R/W & CONST. AIRPORT DRIVE
(FORMERLY JOHNSTOWN ROAD, SEE O.R. 551-89)

FOUND AXLE

I.P.F. — I.P.F. — I.P.F.

Ex R/W — ℄ — Ex R/W

MATCH LINE STA. 1003+00.00, SEE SHEET 17

REV. BY	DATE	DESCRIPTION
DATE COMPLETED:		

3676-E

N

0 10 20 40 HORIZONTAL SCALE IN FEET

PID NO. 110521

R/W DESIGNER MLS
R/W REVIEWER MEF

RIGHT OF WAY BOUNDARY SHEET
STA. 997+69.28 TO 1003+00.00

FRA SGNL-PHASE F

16 / 21

763
768

M:\1188001_HNTB-CTSSPhaseF\DWG\ROW\1188001_RB001_Airport.dwg 15-Mar-21 2:16 PM

FRANKLIN COUNTY
CITY OF COLUMBUS
QUARTER TOWNSHIP 3, TOWNSHIP 1, RANGE 17
UNITED STATES MILITARY LANDS

MONUMENT LEGEND

- EXISTING R/W MONUMENT BOX
- PROPOSED R/W MONUMENT BOX
- EXISTING CONCRETE MONUMENT
- PROPOSED CONCRETE MONUMENT
- RAILROAD SPIKE FOUND
- RAILROAD SPIKE SET
- I.P.F. IRON PIN FOUND
- I.P.S. 5/8" x 30" REBAR WITH YELLOW PLASTIC CAP STAMPED "EP FERRIS SURVEYOR 8342" TO BE SET
- (SCP) SURVEY CONTROL POINT
- I.P.F. IRON PIN FOUND W/ ID CAP
- P.F. IRON PIPE FOUND
- P.S. IRON PIPE SET W/ EP FERRIS TRAVERSE CAP
- P.K. NAIL FOUND
- M.S.S. MAG SPIKE SET - 3/8" x 3" SPIKE W/ 1" DIAM. HEAD W/ 1.5" DIAM. BRASS WASHER STAMPED "EP FERRIS SURVEYOR 8342" TO BE SET

DOMINICAN SISTERS, ST. MARY OF THE SPRINGS, COLUMBUS, OHIO, SUCCESSOR TO THE CONGREGATION OF THE SISTERS OF THE THIRD ORDER OF ST. DOMINIC OF ST. MARY OF THE SPRINGS, SUCCESSOR TO LADIES LITERARY INSTITUTE OF ST. MARY'S OF THE SPRINGS, SUCCESSOR TO ST. MARY'S FEMALE LITERARY SOCIETY

AS ORIGINALLY ACQUIRED IN D.B. 97, PG. 431
DB 99, PG 476.
AFFIDAVIT FOR CHANGE OF NAME IN O.R.V. 30053 PAGE F18
O.R.V. 33447 PAGE B20
D.B. 2517, PG. 145
D.B. 2517, PG. 149
PAR 010-223711
2320 AIRPORT DRIVE
(2)
28.804 AC.
COMMERCIAL

AFFIDAVIT FOR CHANGE OF NAME IN O.R.V. 33447, PG. B20 DID NOT INCLUDE P.R.O. OF SUNBURY AVENUE OR AIRPORT DRIVE. P.R.O. IS STILL UNDER THE PREVIOUS NAME OF THE CONGREGATION OF THE SISTERS OF THE THIRD ORDER OF ST. DOMINIC OF ST. MARY OF THE SPRINGS.

EX. UTILITY EASEMENT D.B. 1001, PG. 629

EX. UTILITY EASEMENT D.B. 2458, PG. 106

SUSPEND ACQUISITION AIRPORT DRIVE STA. 1007+90.10

STATE OF OHIO
LIMITED ACCESS HIGHWAY EASEMENT
PARCEL 1-WL (FRA-62-19.06)
FRANKLIN COUNTY COURT OF COMMON PLEAS
CASE NO. 214113
O.R.V. 02962, PG C18

EX. ℄ R/W & CONST. AIRPORT DRIVE (FORMERLY LEONARD AVENUE SEE O.R. 551-89)

AIRPORT DRIVE (60') ROAD RECORD 7, PG. 59

MATCH LINE STA. 1003+00.00, SEE SHEET 16

N 87°04'54" E 614.59'

851.21' S 87°04'54" W

EX. ℄ R/W & CONST. AIRPORT DRIVE (FORMERLY JOHNSTOWN ROAD, SEE O.R. 551-89)

P.O.T. STA. 25+50.00 OF ℄ R/W & CONST. NELSON ROAD = P.I. STA. 1006+45.00 OF ℄ R/W & CONST. AIRPORT DRIVE

STATE OF OHIO
HIGHWAY EASEMENT
PARCEL 2 (FRA-62-19.06)
FRANKLIN COUNTY COURT OF COMMON PLEAS
CASE NO. 214388
0.009 AC.

STATE OF OHIO
HIGHWAY EASEMENT
PARCEL 3 (FRA-62-19.06)
FRANKLIN COUNTY COURT OF COMMON PLEAS
CASE NO. 214390
0.058 AC.

STATE OF OHIO
HIGHWAY EASEMENT
PARCEL 4 (FRA-62-19.06)
FRANKLIN COUNTY COURT OF COMMON PLEAS
CASE NO. 214391
0.023 AC.

STATE OF OHIO
HIGHWAY EASEMENT
PARCEL 3-A (FRA-62-19.06)
FRANKLIN COUNTY COURT OF COMMON PLEAS
CASE NO. 214390
0.003 AC.

STATE OF OHIO
HIGHWAY EASEMENT
PARCEL 2-A (FRA-62-19.06)
FRANKLIN COUNTY COURT OF COMMON PLEAS
CASE NO. 214389
0.003 AC.

DOMINICAN SISTERS, ST. MARY OF THE SPRINGS, COLUMBUS, OHIO, SUCCESSOR TO THE CONGREGATION OF THE SISTERS OF THE THIRD ORDER OF ST. DOMINIC OF ST. MARY OF THE SPRINGS

O.R.V. 22286 PG. A17
AFFIDAVIT FOR CHANGE OF NAME IN O.R.V. 30053 PG. F18
O.R.V. 33447 PG. B20
PAR 010-077398
2385 AIRPORT DRIVE
(3)
0.790 AC.
RESIDENTIAL

TJAY N. SPENCER
I.N. 201503270038349
PAR 010-079629
2445 AIRPORT DRIVE
(8)
0.288 AC.
RESIDENTIAL

MOUNA BOUHAJRA AND ISSAM RHAZZAL
I.N. 202102250035211
PAR 010-079627 &
PAR 010-079628
2421 AIRPORT DRIVE
(5)
0.357 AC.
RESIDENTIAL

OJALA A. MWALIMU
I.N. 202004140049418
PAR 010-079626
922 NELSON ROAD
(4)
0.256 AC.
RESIDENTIAL

NELSON ROAD (60')

EX. ℄ R/W & CONST. NELSON ROAD

ST. MARY'S PARK A PLAT BOOK 16, PA

SPRINGS PLACE ADDITION PLAT BOOK 17, PAGE 82

LOT 19 *LOT 20* *LOT 21* *LOT 2* *LOT 3* *LOT 4* *LOT 5*

PID 010-079627 *PID 010-079628*

1005+58.56, 30.00' LT
1005+60.27, 0.00' T
1005+60.27, 30.00' RT
1005+91.39, 0.00' T
1005+91.39, 70.00' LT
1005+91.39, 43.39' LT
1005+92.39, 46.07' RT AIRPORT DR 24+91.29, 37.98' LT NELSON RD
1005+98.42, 54.05' RT AIRPORT DR 24+85.26, 30.00' LT NELSON RD
1006+02.16, 75.00' LT
1006+05.27, 30.00' RT AIRPORT DR 25+10.27, 30.00' LT NELSON RD
1006+26.20, 30.00' LT
1006+26.39, 75.00' LT
1006+26.32, 57.64' LT
1006+45.00, 0.00' T AIRPORT DR 25+50.00, 0.00' T NELSON RD
1006+45.26, 0.00' T
1006+45.26, 42.21' RT AIRPORT DR 25+20.31, 30.00' RT NELSON RD
1006+49.35, 52.61' RT AIRPORT DR 25+15.83, 40.25' RT NELSON RD
1006+54.50, 29.04' LT
1006+74.50, 46.08' RT
1007+14.65, 0.00' T
1007+14.65, 51.39' RT
1007+21.62, 70.65' RT
1007+29.11, 71.12' RT
1007+31.48, 81.28' RT
1007+83.70, 80.79' RT
1007+84.05, 60.58' RT

N 87°04'54" E 24.23'
N 62°11'18" E 11.88'
N 02°55'06" W 26.61'
N 02°55'06" W 43.39'
N 66°20'49" W 35.92'
N 39°58'48" W 10.00'
N 12°58'08" E
N 87°04'54" E 45.00'
S 02°55'06" E 30.00'
S 02°41'08" E 17.36'
S 02°41'08" E 27.64'
N 87°04'54" E 12.99'
S 13°51'22" E 30.56'
S 31°58'16" E 42.21'
S 12°58'08" W 25.00'
N 53°27'02" W 11.18'
N 65°34'08" E 29.50'
S 43°27'59" W 25.98'
S 61°35'01" W 7.50'
N 45°06'56" W 10.44'
N 58°01'44" E
S 31°58'16" E 51.39'
N 65°34'08" E 70.00'
N 51°51'53" W 20.48'
S 30°58'50" E 20.21'
S 57°29'12" W 52.22'

35.45'
37.72'
30'
30'
30'
30'
35'

I.P.S. M.S.S. P.K. COC34-82

POB 2-U POB 3-WD POB 5-WD1 POB 5-WD2

2-U 2-WD 3-WD 5-WD1 5-WD2

Ex U Ex SH Ex R/W R/W ℄ ℄ Ex R/W

1004+00 1005+00 1006+00 1007+00 1008+00

REV. BY	DATE	DESCRIPTION
DATE COMPLETED:		

3676-E

N

0 10 20 40 HORIZONTAL SCALE IN FEET

PID NO. 110521

R/W DESIGNER MLS
R/W REVIEWER MEF

FRA SGNL-PHASE F

RIGHT OF WAY BOUNDARY SHEET
STA. 1003+00.00 TO STA. 1008+50.00

17 / 21

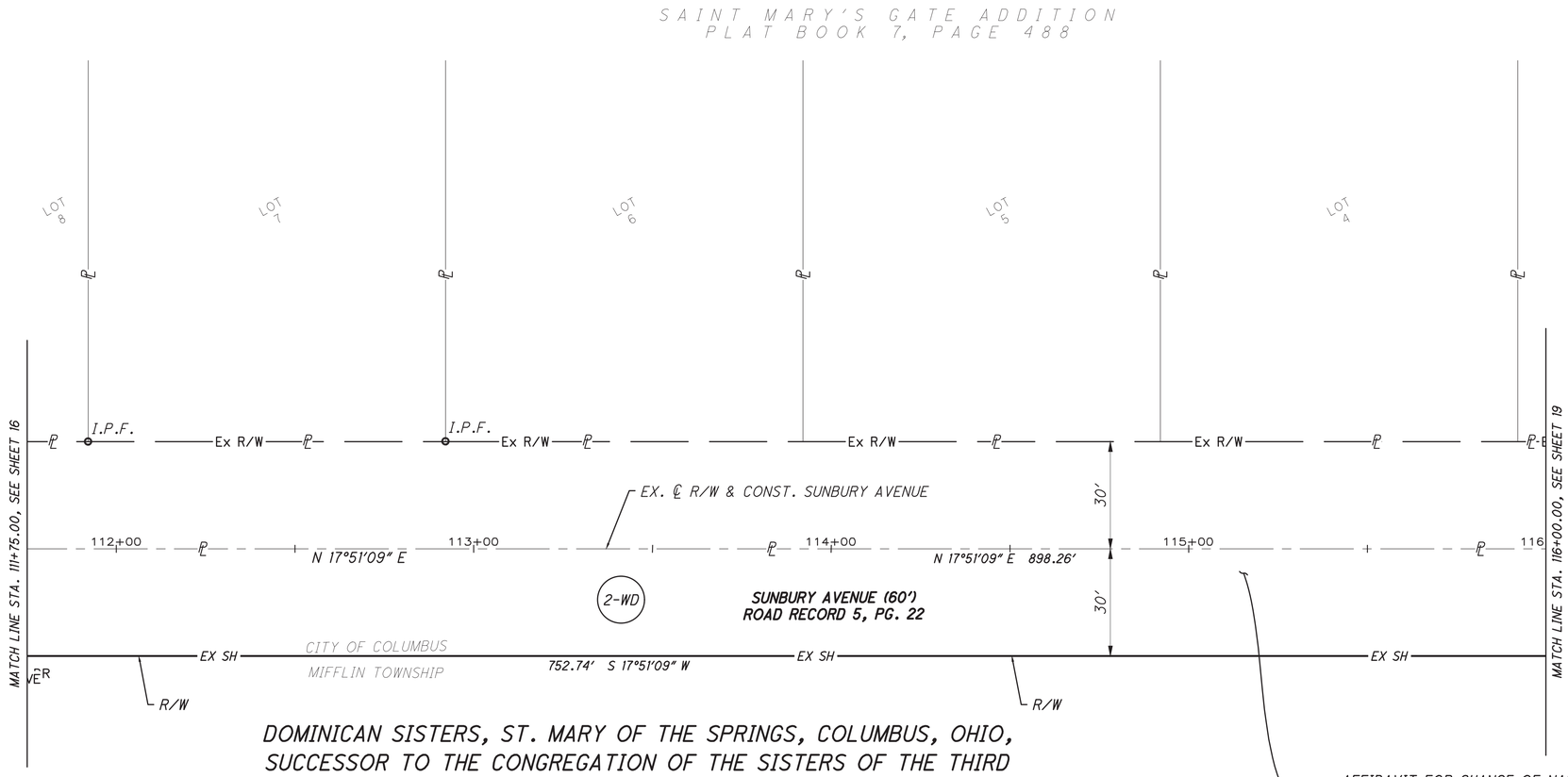
764 / 768

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FRANKLIN COUNTY
CITY OF COLUMBUS
QUARTER TOWNSHIP 3, TOWNSHIP 1, RANGE 17
UNITED STATES MILITARY LANDS

MONUMENT LEGEND

- EXISTING R/W MONUMENT BOX
- PROPOSED R/W MONUMENT BOX
- EXISTING CONCRETE MONUMENT
- PROPOSED CONCRETE MONUMENT
- RAILROAD SPIKE FOUND
- RAILROAD SPIKE SET
- O I.P.F. IRON PIN FOUND
- ● I.P.S. 5/8" x 30" REBAR WITH YELLOW PLASTIC CAP STAMPED "EP FERRIS SURVEYOR 8342" TO BE SET
- (SCP) SURVEY CONTROL POINT
- ⊕ I.P.F. IRON PIN FOUND W/ ID CAP
- ◎ P.F. IRON PIPE FOUND
- ◉ P.S. IRON PIPE SET W/ EP FERRIS TRAVERSE CAP
- ⌑ P.K. NAIL FOUND
- • M.S.S. MAG SPIKE SET - $\frac{3}{8}$" x 3" SPIKE W/ 1" DIAM. HEAD W/ 1.5" DIAM. BRASS WASHER STAMPED "EP FERRIS SURVEYOR 8342" TO BE SET



DOMINICAN SISTERS, ST. MARY OF THE SPRINGS, COLUMBUS, OHIO, SUCCESSOR TO THE CONGREGATION OF THE SISTERS OF THE THIRD ORDER OF ST. DOMINIC OF ST. MARY OF THE SPRINGS, SUCCESSOR TO LADIES LITERARY INSTITUTE OF ST. MARY'S OF THE SPRINGS, SUCCESSOR TO ST. MARY'S FEMALE LITERARY SOCIETY

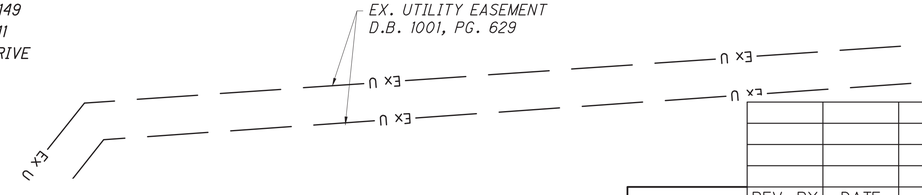
AS ORIGINALLY ACQUIRED IN D.B. 97, PG. 431
DB 99, PG 476.
AFFIDAVIT FOR CHANGE OF NAME IN O.R.V. 30053 PAGE F18
O.R.V. 33447 PAGE B20
D.B. 2517, PG. 145
D.B. 2517, PG. 149
PAR 010-223711
2320 AIRPORT DRIVE

(2)

28.804 AC.
COMMERCIAL

AFFIDAVIT FOR CHANGE OF NAME IN O.R.V. 33447, PG. B20 DID NOT INCLUDE P.R.O. OF SUNBURY AVENUE OR AIRPORT DRIVE. P.R.O. IS STILL UNDER THE PREVIOUS NAME OF THE CONGREGATION OF THE SISTERS OF THE THIRD ORDER OF ST. DOMINIC OF ST. MARY OF THE SPRINGS.

EX. UTILITY EASEMENT
D.B. 1001, PG. 629



REV. BY	DATE	DESCRIPTION

DATE COMPLETED:

3676-E

N

HORIZONTAL SCALE IN FEET
0 10 20 40

PID NO. 110521

R/W DESIGNER MLS
R/W REVIEWER MEF

RIGHT OF WAY BOUNDARY SHEET
STA. 111+75.00 TO STA. 116+00.00

FRA SGNL-PHASE F

18 / 21

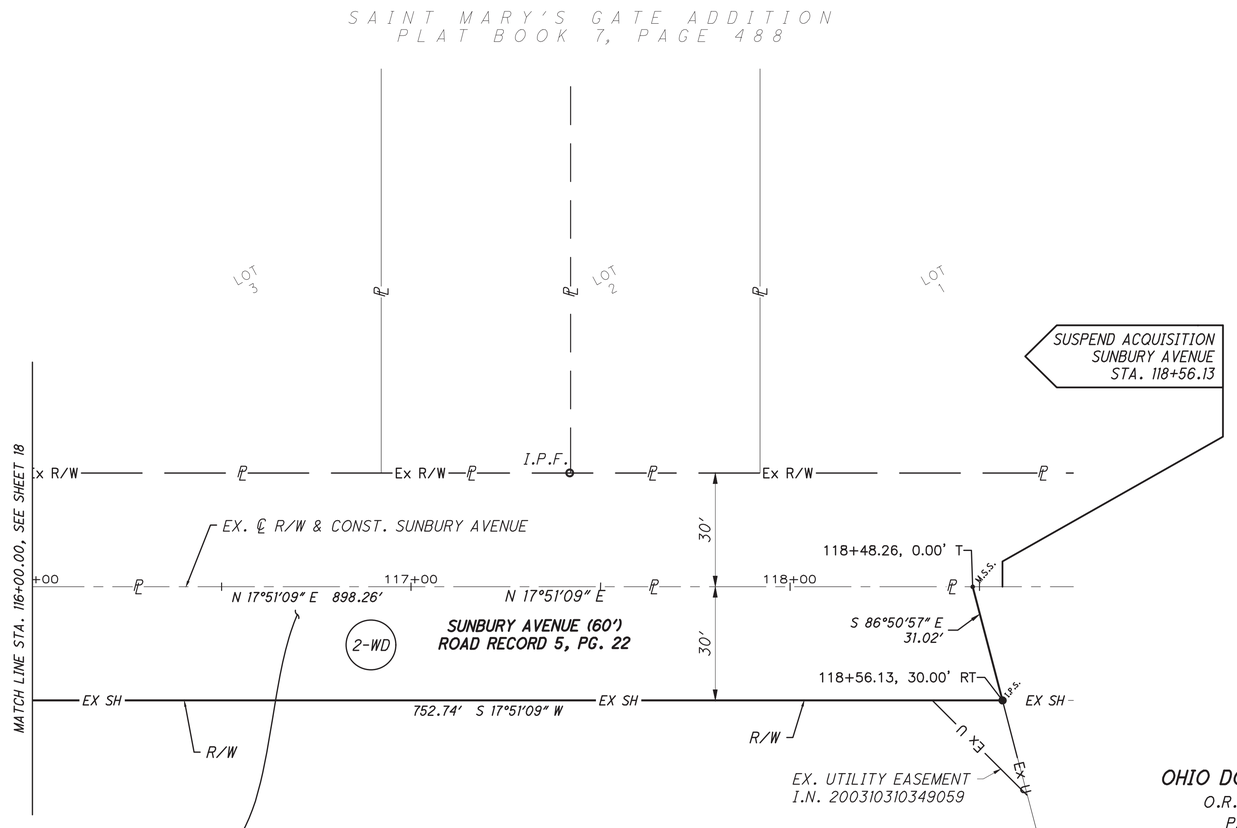
765
768

M:\1188001_HNTB-CTSSPhaseF\DWG\ROW\1188001_RB001_Airport.dwg 15-Mar-21 2:16 PM

MONUMENT LEGEND

- EXISTING R/W MONUMENT BOX
- PROPOSED R/W MONUMENT BOX
- EXISTING CONCRETE MONUMENT
- PROPOSED CONCRETE MONUMENT
- RAILROAD SPIKE FOUND
- RAILROAD SPIKE SET
- I.P.F. IRON PIN FOUND
- I.P.S. 5/8" x 30" REBAR WITH YELLOW PLASTIC CAP STAMPED "EP FERRIS SURVEYOR 8342" TO BE SET
- (SCP) SURVEY CONTROL POINT
- I.P.F. IRON PIN FOUND W/ ID CAP
- P.F. IRON PIPE FOUND
- P.S. IRON PIPE SET W/ EP FERRIS TRAVERSE CAP
- P.K. NAIL FOUND
- M.S.S. MAG SPIKE SET - $\frac{3}{8}$" x 3" SPIKE W/ 1" DIAM. HEAD W/ 1.5" DIAM. BRASS WASHER STAMPED "EP FERRIS SURVEYOR 8342" TO BE SET

FRANKLIN COUNTY
CITY OF COLUMBUS
QUARTER TOWNSHIP 3, TOWNSHIP 1, RANGE 17
UNITED STATES MILITARY LANDS



AFFIDAVIT FOR CHANGE OF NAME IN O.R.V. 33447, PG. B20 DID NOT INCLUDE P.R.O. OF SUNBURY AVENUE OR AIRPORT DRIVE. P.R.O. IS STILL UNDER THE PREVIOUS NAME OF THE CONGREGATION OF THE SISTERS OF THE THIRD ORDER OF ST. DOMINIC OF ST. MARY OF THE SPRINGS.

DOMINICAN SISTERS, ST. MARY OF THE SPRINGS, COLUMBUS, OHIO, SUCCESSOR TO THE CONGREGATION OF THE SISTERS OF THE THIRD ORDER OF ST. DOMINIC OF ST. MARY OF THE SPRINGS, SUCCESSOR TO LADIES LITERARY INSTITUTE OF ST. MARY'S OF THE SPRINGS, SUCCESSOR TO ST. MARY'S FEMALE LITERARY SOCIETY

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AFFIDAVIT FOR CHANGE OF NAME IN O.R.V. 30053 PAGE F18
O.R.V. 33447 PAGE B20
D.B. 2517, PG. 145
D.B. 2517, PG. 149
PAR 010-223711
2320 AIRPORT DRIVE

(2)

28.804 AC.
COMMERCIAL

OHIO DOMINICAN COLLEGE
O.R.V. 27540, PG. D14
PAR. 010-223708
1216 SUNBURY ROAD
2.00 AC.
COMMERCIAL

REV. BY	DATE	DESCRIPTION
DATE COMPLETED:		

3676-E

HORIZONTAL SCALE IN FEET
0 10 20 40

PID NO. 110521

R/W DESIGNER MLS
R/W REVIEWER MEF

RIGHT OF WAY BOUNDARY SHEET
STA. 116+00.00 TO STA. 118+75.00

FRA SGNL-PHASE F

19 / 21

766 / 768

M:\1188001_HNTB-CTSSPhaseF\DWG\ROW\1188001_RB001_Airport.dwg 15-Mar-21 2:16 PM

FRANKLIN COUNTY
CITY OF COLUMBUS
QUARTER TOWNSHIP 4, TOWNSHIP 1, RANGE 17
UNITED STATES MILITARY LANDS

MONUMENT LEGEND

- EXISTING R/W MONUMENT BOX
- PROPOSED R/W MONUMENT BOX
- EXISTING CONCRETE MONUMENT
- PROPOSED CONCRETE MONUMENT
- RAILROAD SPIKE FOUND
- RAILROAD SPIKE SET
- I.P.F. IRON PIN FOUND
- I.P.S. 5/8" x 30" REBAR WITH YELLOW PLASTIC CAP STAMPED "EP FERRIS SURVEYOR 8342" TO BE SET
- (SCP) SURVEY CONTROL POINT
- EX. MINE BOLT FND
- I.P.F. IRON PIN FOUND W/ ID CAP
- P.F. IRON PIPE FOUND
- P.S. IRON PIPE SET W/ EP FERRIS TRAVERSE CAP
- P.K. NAIL FOUND
- M.S.S. MAG SPIKE SET - 3/8" x 3" SPIKE W/ 1" DIAM. HEAD W/ 1.5" DIAM. BRASS WASHER STAMPED "EP FERRIS SURVEYOR 8342" TO BE SET

RESUME ACQUISITION
E. FIFTH AVENUE
STA. 53+75.00

SUSPEND ACQUISITION
E. FIFTH AVENUE
STA. 55+51.49

THE COLUMBUS & OHIO RIVER RAIL ROAD COMPANY (50% INTEREST)
OHIO RAIL DEVELOPMENT COMMISSION (50% INTEREST)
PAR 010-095411
PAR 010-096161

HIGHWAY EASEMENT
APPROPRIATED FROM ERNEST LUFT
IN ROAD RECORD 16, PAGE 94

EX. ℄ R/W & CONST. E. FIFTH AVENUE

E. FIFTH AVENUE (100')

50'

50'

N 83°33'18" E

PC: 47+43.62

C1

53+00

54+00

55+00

56+00

57+00

64+33.30,
0.00'

PT: 60+45.85

PC: 64+33.30

N 73°47'18" E

S 16°12'42" E
50.00'

RPOB 6-U

C5

60+45.85,
50.00' RT

S 73°47'18" W
387.45'

EX. MINE
BOLT FND

64+33.30,
50.00' RT

C2

57+68.05,
50.00' RT

7

WENDELL CARSON (FEE)
D.B. 1162, PG. 205

C4

POB 6-U

55+51.49,
50.00' RT

S 12°30'15" E
5.00'

55+51.49,
55.00' RT

C3

6-U

53+22.21,
50.00' RT

I.P.F.

N 11°10'50" W
5.00'

53+75.00,
50.00' RT

53+75.00,
55.00' RT

5'X15' UTILITY EASEMENT
O.R.V. 33282, PG. E19

5' UTILITY EASEMENT
I.N. 199905250132474

THE COFFMAN FAMILY PARTNERSHIP, LLP
F/K/A THE COFFMAN FAMILY PARTNERSHIP
I.N. 201703130034595
O.R.V. 20574, PG. D12
PAR 010-096152
4099 E. FIFTH AVENUE

6

4.636 AC.
COMMERCIAL

C1

℄ CURVE DATA
P.I.: 53+96.32
Δ: 9° 46' 00" (LT)
Dc: 0° 45' 00"
R: 7639.49'
T: 652.70'
L: 1302.23'
E: 27.83'
C.B.: N 78°40'18" E
C.D.: 1300.66'

C2

CURVE DATA
Δ: 1° 37' 27" (RT)
Dc: 0° 44' 42"
R: 7689.49'
T: 108.99'
L: 217.97'
E: 0.77'
C.B.: S 76°41'02" W
C.D.: 217.97'

C3

CURVE DATA
Δ: 1° 19' 25" (RT)
Dc: 0° 44' 41"
R: 7694.49'
T: 88.88'
L: 177.76'
E: 0.51'
C.B.: S 78°09'28" W
C.D.: 177.76'

C4

CURVE DATA
Δ: 1° 19' 25" (LT)
Dc: 0° 44' 42"
R: 7689.49'
T: 88.83'
L: 177.65'
E: 0.51'
C.B.: N 78°09'28" E
C.D.: 177.64'

C5

CURVE DATA
Δ: 2° 05' 01" (RT)
Dc: 0° 44' 42"
R: 7689.49'
T: 139.83'
L: 279.62'
E: 1.27'
C.B.: S 74°49'48" W
C.D.: 279.61'

REV. BY	DATE	DESCRIPTION

DATE COMPLETED:

3676-E

R/W DESIGNER MLS
R/W REVIEWER MEF

PID NO. 110521

HORIZONTAL SCALE IN FEET
0 10 20 40

RIGHT OF WAY BOUNDARY SHEET
STA. 52+50.00 TO STA. 58+00.00

FRA SGNL-PHASE F

20/21

767/768

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FRANKLIN COUNTY
CITY OF COLUMBUS
QUARTER TOWNSHIP 4, TOWNSHIP 2, RANGE 19
UNITED STATES MILITARY LANDS

MONUMENT LEGEND

- EXISTING R/W MONUMENT BOX
- PROPOSED R/W MONUMENT BOX
- EXISTING CONCRETE MONUMENT
- PROPOSED CONCRETE MONUMENT
- RAILROAD SPIKE FOUND
- RAILROAD SPIKE SET
- I.P.F. IRON PIN FOUND
- I.P.S. 5/8" x 30" REBAR WITH YELLOW PLASTIC CAP STAMPED "EP FERRIS SURVEYOR 8342" TO BE SET
- (SCP) SURVEY CONTROL POINT
- I.P.F. IRON PIN FOUND W/ ID CAP
- P.F. IRON PIPE FOUND
- P.S. IRON PIPE SET W/ EP FERRIS TRAVERSE CAP
- P.K. NAIL FOUND
- M.S.S. MAG SPIKE SET - 3/8" x 3" SPIKE W/ 1" DIAM. HEAD W/ 1.5" DIAM. BRASS WASHER STAMPED "EP FERRIS SURVEYOR 8342" TO BE SET

EX. 25' WATERLINE EASEMENT
O.R.V. 578 PG. G01

THE GABLES WEST
PLAT BOOK 43, PAGE 78
LOT 322

EX. 10' GASLINE EASEMENT
I.N. 200210280271851

BETHEL-RUBEN LIMITED PARTNERSHIP
I.N. 201506050074709
PAR 010-157596
1440-1470 BETHEL ROAD
14.533 AC.
COMMERCIAL

EX. 15' GASLINE EASEMENT
D.B. 3147 PG. 119

I.P.F.

EX. ℄ R/W & CONST.
BETHEL ROAD

223+00 N 87°09'08" W 224+00

EX. 15' EASEMENT
P.B. 43, PG. 78-80

I.P.F. (BENT)

224+49.78, 206.55' LT BETHEL ROAD
902+06.11, 40.00' LT GODOWN ROAD

RESUME ACQUISITION
BETHEL ROAD
STA. 224+21.89

12-A

SPEEDWAY SUPERAMERICA LLC
I.N. 199807160178005
PAR 010-098819
1434 BETHEL ROAD
12
0.603 AC.
COMMERCIAL

PROP. 10' WIDE AERIAL EASEMENT

224+21.89, 60.00' LT BETHEL ROAD
900+60.41, 63.18' LT GODOWN ROAD

POB 12-A

N 87°09'08" W 12.22'

224+34.10, 60.00' LT BETHEL ROAD
900+59.40, 54.04' LT GODOWN ROAD

N 13°37'32" E 149.18'
S 13°37'32" W 79.78'
S 03°29'15" W 68.17'
S 03°29'15" W
N 02°50'52" E 60.00'

902+00
901+00
900+00

THE CITY OF COLUMBUS
D.B. 3723, PG 599
0.195 AC.

224+49.02, 138.38' LT BETHEL ROAD
901+37.94, 40.00' LT GODOWN ROAD

LAR-JO LTD.
O.R.V. 24733 PG. D03
PAR 010-138788
1400 BETHEL ROAD
0.515 AC.
COMMERCIAL

END ACQUISITION
BETHEL ROAD
STA. 224+49.78

40' 40'

Ex R/W

CITY OF COLUMBUS, OHIO
O.R.V. 13977, PG I01
0.309 AC.

CITY OF COLUMBUS, OHIO
D.B. 3049, PG 257
0.530 AC.

BETHEL ROAD (VARIES)

60'

P.O.T. STA. 900+00.00 OF ℄ R/W & CONST. GODOWN ROAD =
P.O.T. STA. 224+87.48 OF ℄ R/W & CONST. BETHEL ROAD

224+34.10, 0.00' 54.16' N 87°09'08" W

225+00 226+00 227+00

1/4 TOWNSHIP 4, TOWNSHIP 2, RANGE 19
1/4 TOWNSHIP 1, TOWNSHIP 1, RANGE 19

FCGS 8832
224+88.27, 0.00' BETHEL ROAD
900+00.01, 0.79' RT GODOWN ROAD

RPOB 12-A

CITY OF COLUMBUS, OHIO
O.R.V. 10454, PG I19
0.514 AC.

70'

THE CITY OF COLUMBUS
D.B. 2991, PG 429
0.595 AC.

CITY OF COLUMBUS, OHIO
O.R.V. 16173, PG I08
PARCEL 7-WD - 0.072 AC.

THE CITY OF COLUMBUS
D.B. 2994, PG 244
PARCEL 3A - 0.120 AC.

GODOWN ROAD (VARIES)

FCGS 8833

CITY OF COLUMBUS, OHIO
O.R.V. 12484, PG G18
0.071 AC.

BOARD OF EDUCATION OF THE COLUMBUS CITY SCHOOL DISTRICT
I.N. 200808290131477
PAR 010-144437
1441 BETHEL ROAD
24.568 AC.
EXEMPT

EX. ℄ R/W & CONST.
GODOWN ROAD

CERTIFIED OIL CORPORATION
I.N. 201112120161602
PAR 010-144409
1401 BETHEL ROAD
0.543 AC.
COMMERCIAL

HORIZONTAL SCALE IN FEET
0 10 20 40

PID NO. 110521

R/W DESIGNER MLS
R/W REVIEWER MEF

RIGHT OF WAY BOUNDARY SHEET
STA. 222+50.00 TO STA. 227+00.00

FRA SGNL-PHASE F

21 / 21

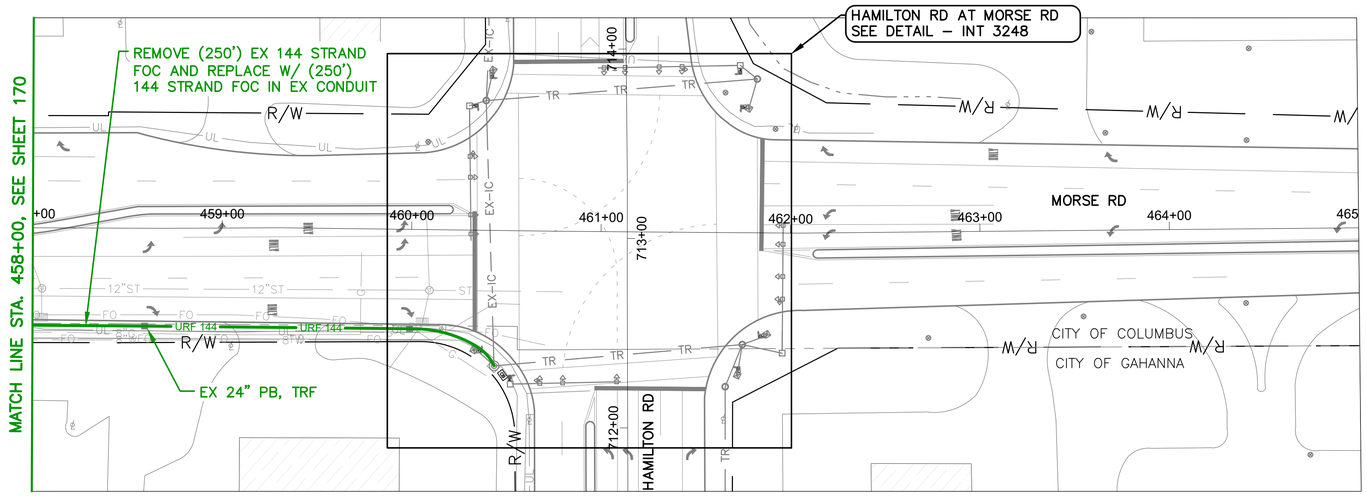
768 / 768

3676-E

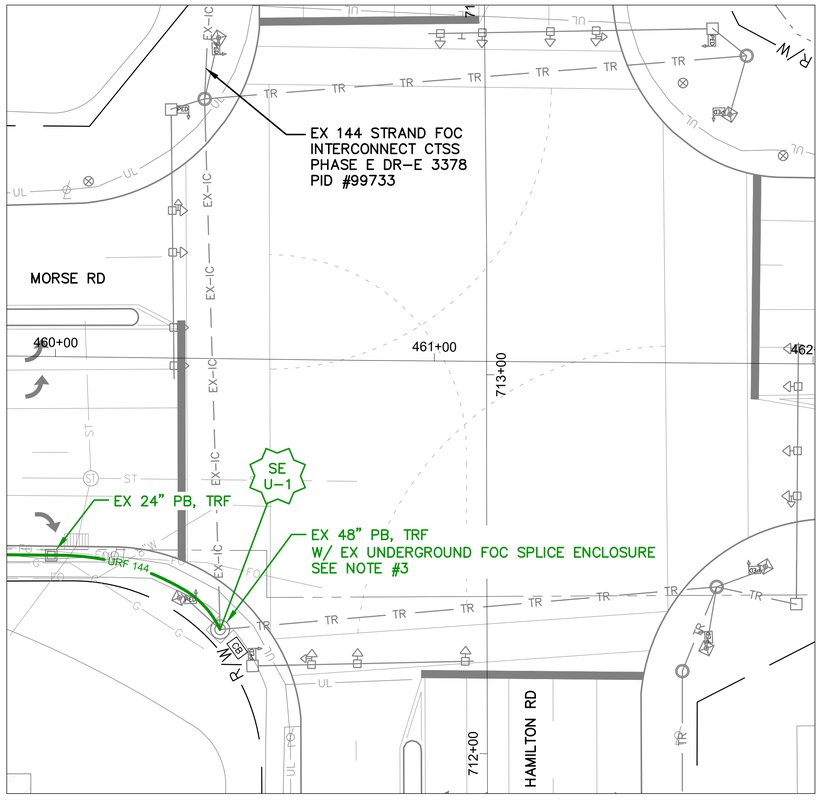
REV. BY	DATE	DESCRIPTION

DATE COMPLETED:

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MORSE RD BETWEEN STATION 458+00 AND 465+00



DETAIL - INT 3248

0 20 40
HORIZONTAL SCALE IN FEET

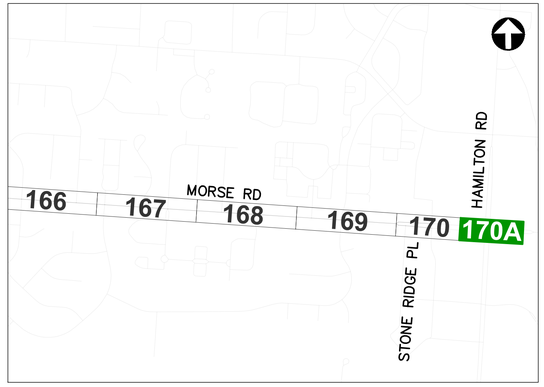
Sheet 556A found on page 770 of this document

NOTES:

1. SEE SHEETS 464 & 556A FOR COMMUNICATION DETAILS.
2. PROPOSED COMMUNICATIONS CONTINUE NORTH TO NODE #161043.8. SEE SHEETS 464, 557, 558, 559 & 703 FOR CONTINUATION.
3. INSTALL (75')–144 STRAND FOC SLACK FOR CABLE SPLICE. INSTALL ADDITIONAL (225')–144 STRAND FOC SLACK STORAGE.

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CITY OF COLUMBUS UTILITY LEGEND
- ☒ SEWER
- ☒ WATER
- ☐ POWER
- ☒ LIGHTING



REFER TO SHEET 9 FOR INTERCONNECT SHEET INDEX

KEY PLAN
NOT TO SCALE

3 DRAFT REVISION 3.0

3676-E

0 40 80
HORIZONTAL SCALE IN FEET

CIP: 540007–100060
PID NUMBER: 110521

INTERCONNECT PLAN
MORSE RD BETWEEN STA. 458+00 AND 465+00, INT 3248

CITY OF COLUMBUS TRAFFIC SIGNAL SYSTEM (CTSS) PHASE F – FINAL SUBMITTAL

170A
768

\\colw001\PWWork\Jobs\70202 – CTSS Phase F\TECHPROD\Sheets\CTSS_PhF_Trunk2_MORSE_INTERCONNECT.dwg – MORSE–7 layout ~ last saved by: nseling 07/20/2023 09:18am ~ printed 07/20/2023 09:25am PSLTS: 1 LTS: 1 CAS: 1:1

TRAFFIC SIGNAL CABINET ASSEMBLY

SWITCH	PORT	STATUS	DESTINATION	SHEET NO
1	5	PROPOSED	INT# 3249: KOHL'S & STONERIDGE PL. AT MORSE RD.	556
			EXISTING CONNECTION TO INT# 3222: CHESTNUT HILL DR. /BROADVIEW BLVD. AT	
1	6	EXISTING	HAMILTON RD	557

3

EXISTING LAYER 2 ETHERNET SWITCH I

Ports 1 2 3 4 5 LH T R 6 LH T R 7 8

TRAFFIC SIGNAL CONTROLLER
Ex. Econolite ASC/3

3

BLUE TUBE (NORTH)

ORANGE TUBE (WEST)

24 STRAND DROP

EXISTING 144 STRAND FOC

TO:
INT# 3222: CHESTNUT HILL DR./BROADVIEW BLVD. AT HAMILTON RD.
SEE SHEET 557

BLUE TUBE
ORANGE TUBE
GREEN TUBE
BROWN TUBE
SLATE TUBE
WHITE TUBE
RED TUBE
BLACK TUBE
YELLOW TUBE
VIOLET TUBE
ROSE TUBE
AQUA TUBE

BLUE TUBE
ORANGE TUBE

144 STRAND FOC

TO:
INT# 3249: KOHL'S & STONERIDGE PL. AT MORSE RD.
SEE SHEET 556

BLUE TUBE
ORANGE TUBE
GREEN TUBE
BROWN TUBE
SLATE TUBE
WHITE TUBE
RED TUBE
BLACK TUBE
YELLOW TUBE
VIOLET TUBE
ROSE TUBE
AQUA TUBE

3

EXISTING PATCH PANEL ENCLOSURE – 24 TERMINATION

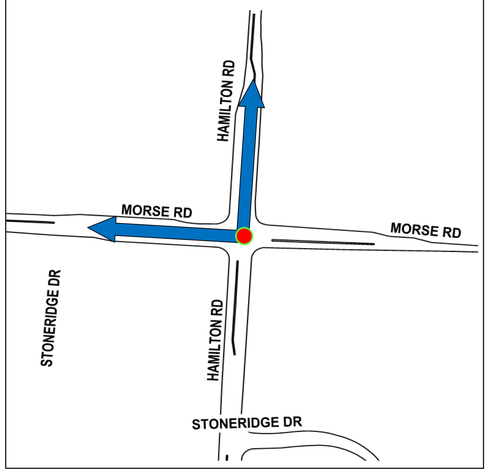
3 Cable Entries
144 Proposed Fusion Splices
156 Total Fusion Splices

EXISTING UNDERGROUND SPLICE ENCLOSURE

LEGEND

- FIBER PATCH CABLES T/R STANDARD
- FIBER PATCH CABLES R/T CROSSOVER
- EXISTING FIBER PATCH CABLES
- OUTDOOR CAT 5E CABLE
- INDOOR CAT 5E CABLE
- CAT 5E CABLE TO BE REMOVED
- TERMINATION PANEL UPC (Blue)/APC (Green)
- EXISTING/PROPOSED FIBER OR BUFFER TUBE LEFT COILED IN SPLICE ENCLOSURE
- FUSION SPLICE – 6 FIBERS/ SINGLE FIBER
- FUSION SPLICE – 12 FIBER BUFFER TUBE
- EXISTING FUSION SPLICE – 12 FIBER BUFFER TUBE
- INTERSECTION LOCATION
- LH ZX GBIC OPTICAL TRANSCEIVER LH - SHORT HAUL LED ZX – LONG HAUL LASER
- SFP/COPPER/CAT5/5E/6 CONNECTOR
- COPPER/CAT5/5E/6 CONNECTOR
- 144 STRAND SMF
- 288 STRAND SMF
- WIRELESS ETHERNET RADIO

KEY PLAN



3 DRAFT REVISION 3.0

INTERSECTION 3248

REFER TO SHEET170AFOR CONSTRUCTION PLAN DETAILS
REFER TO SHEET 464 FOR COMM OVERVIEW DETAILS

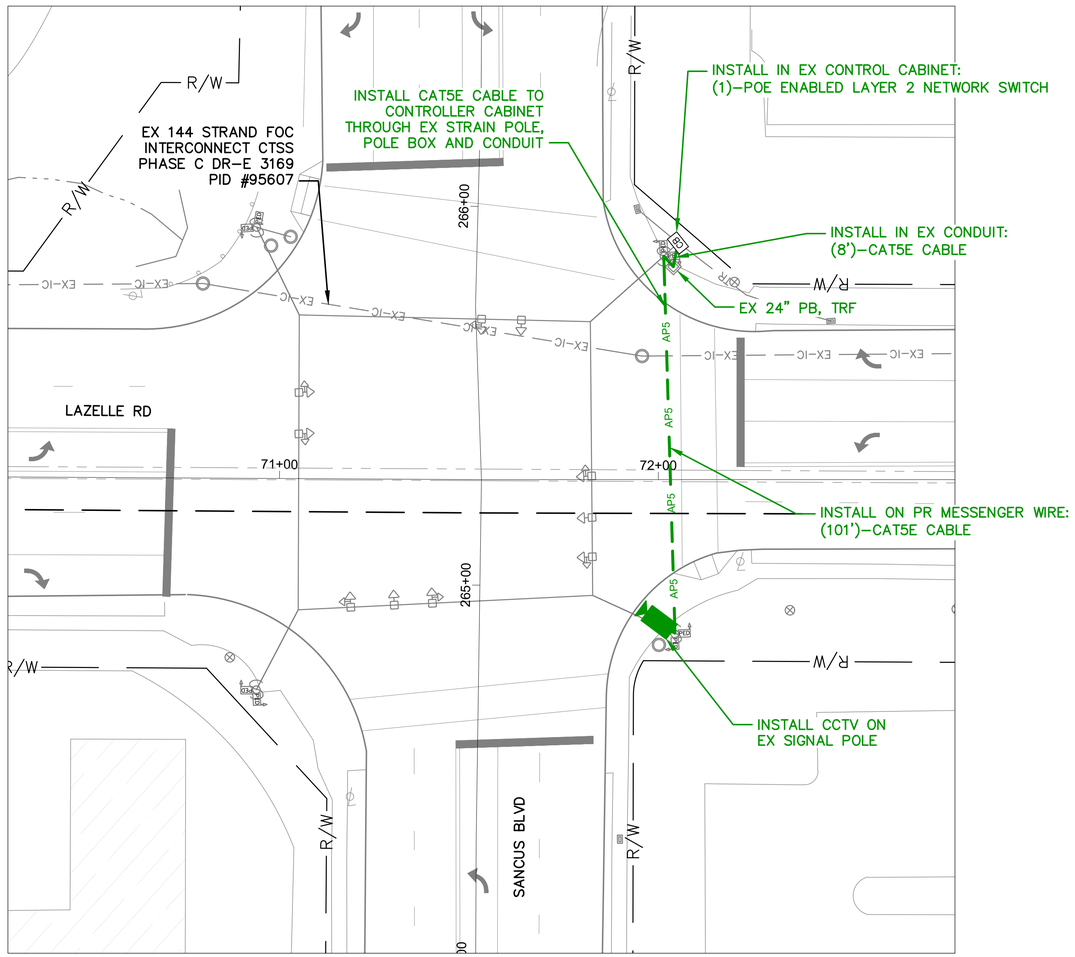
CIP: 540007 - 100012
PID NUMBER: 99733

INT# 3248: MORSE RD. AT HAMILTON RD.
COMMUNICATIONS DIAGRAM

CITY OF COLUMBUS TRAFFIC SIGNAL SYSTEM
(CTSS) PHASE F – FINAL SUBMITTAL

556A
768

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DETAIL - INT 3243 - LAZELLE RD AT SANCUS BLVD

Sheet 685A can be found on page 774 of this document

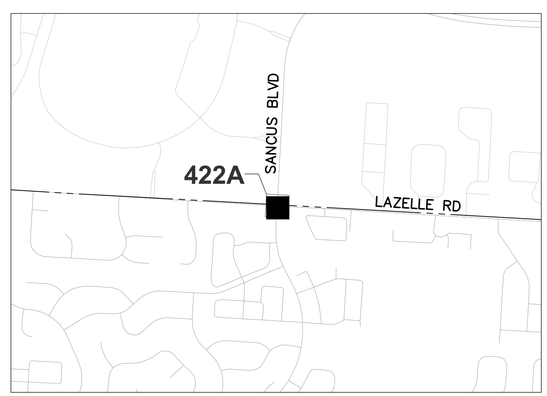
NOTES:

1. SEE SHEET 685A FOR COMMUNICATION DETAILS.
2. SEE SHEET 50 FOR CCTV MOUNTING DETAILS.

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CITY OF COLUMBUS UTILITY LEGEND

- ☐ SEWER
- ☐ WATER
- ☐ POWER
- ☐ LIGHTING



REFER TO SHEET 233 FOR INTERCONNECT SHEET INDEX

KEY PLAN
NOT TO SCALE

5 DRAFT REVISION 5.0

3676-E

HORIZONTAL SCALE IN FEET
0 20 40

CIP: 540007-100060
PID NUMBER: 110521

CCTV PLAN
INT 3243 - LAZELLE RD AT SANCUS BLVD

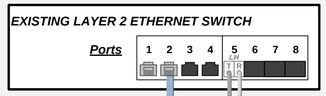
CITY OF COLUMBUS TRAFFIC SIGNAL SYSTEM
(CTSS) PHASE F - FINAL SUBMITTAL

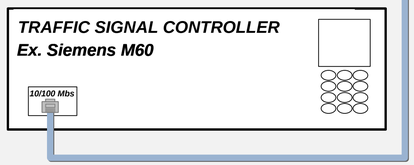
422A
768

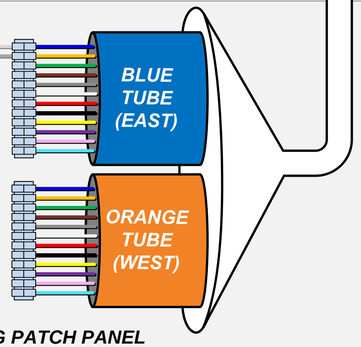
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TRAFFIC SIGNAL CABINET ASSEMBLY

SWITCH	PORT	STATUS	DESTINATION	SHEET NO
1	5	REVISED	INT SIG4780: AVERY RD AT HAYDEN RUN RD	535

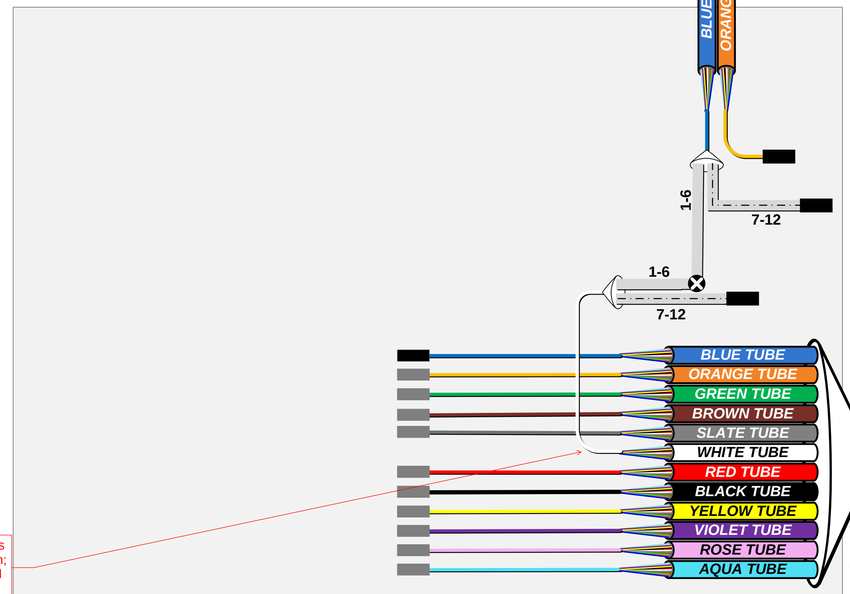






EXISTING PATCH PANEL ENCLOSURE – 24 TERMINATION

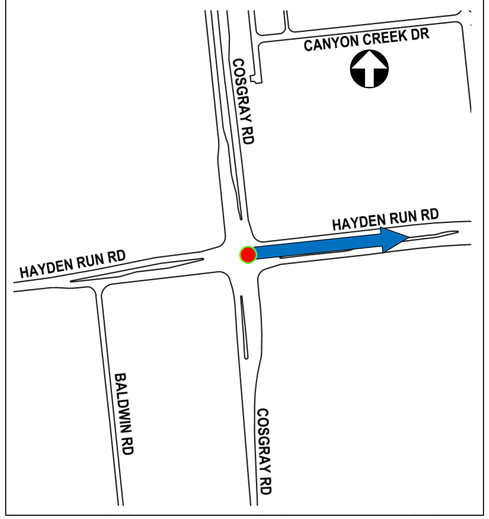
EXISTING 24 STRAND DROP



LEGEND

- FIBER PATCH CABLES T/R STANDARD
- FIBER PATCH CABLES R/T CROSSOVER
- EXISTING FIBER PATCH CABLES
- OUTDOOR CAT 5E CABLE
- INDOOR CAT 5E CABLE
- CAT 5E CABLE TO BE REMOVED
- TERMINATION PANEL UPC (Blue)/APC (Green)
- EXISTING/PROPOSED FIBER OR BUFFER TUBE LEFT COILED IN SPLICE ENCLOSURE
- FUSION SPLICE – 6 FIBERS/ SINGLE FIBER
- FUSION SPLICE – 12 FIBER BUFFER TUBE
- EXISTING FUSION SPLICE – 12 FIBER BUFFER TUBE
- INTERSECTION LOCATION
- LH ZX GBIC OPTICAL TRANSCEIVER LH - SHORT HAUL LED ZX – LONG HAUL LASER
- SFP/COPPER/CAT5/5E/6 CONNECTOR
- COPPER/CAT5/5E/6 CONNECTOR
- 144 STRAND SMF
- 288 STRAND SMF
- WIRELESS ETHERNET RADIO

KEY PLAN



5 DRAFT REVISION 5.0

INTERSECTION SIG4835

REFER TO SHEET 457 FOR COMM OVERVIEW DETAILS

CIP: 540007 - 100012
PID NUMBER: 99733

INTERSECTION SIG4835: ~~AVERY~~ RD AT COSGRAY RD

COMMUNICATIONS DIAGRAM

CITY OF COLUMBUS TRAFFIC SIGNAL SYSTEM
(CTSS) PHASE F – FINAL SUBMITTAL

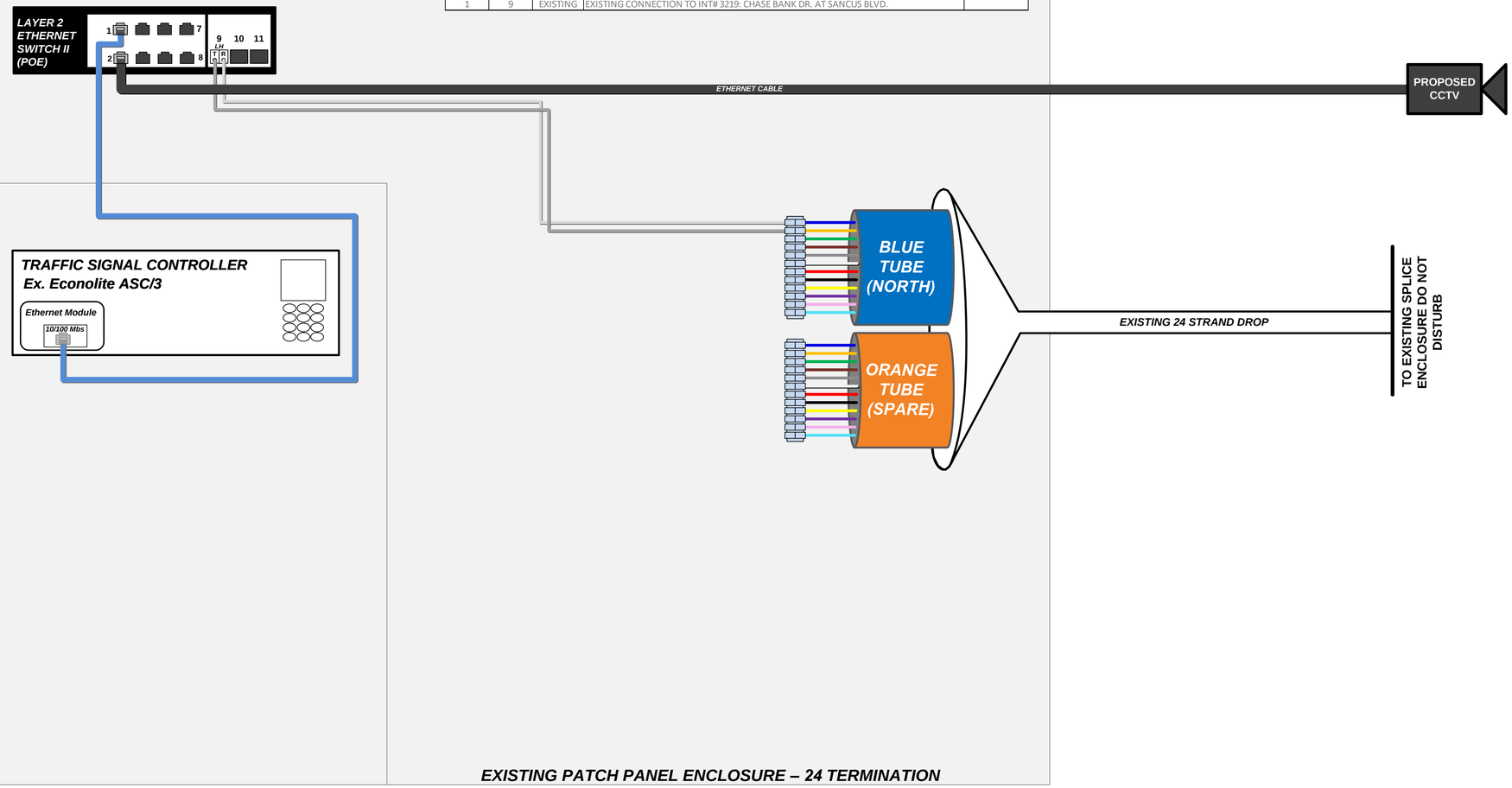
5

535A
768

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TRAFFIC SIGNAL CABINET ASSEMBLY

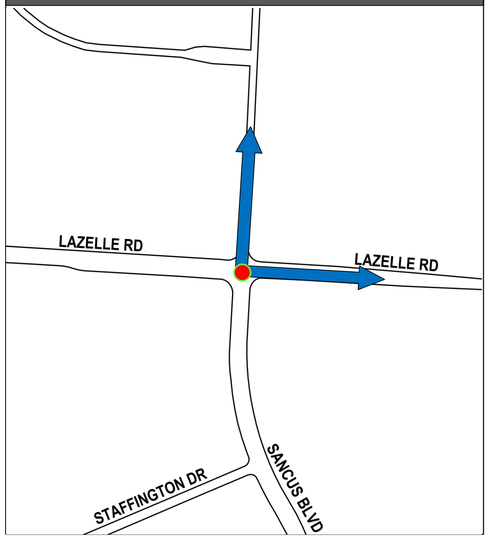
SWITCH	PORT	STATUS	DESTINATION	SHEET NO
1	9	EXISTING	EXISTING CONNECTION TO INT# 3219: CHASE BANK DR. AT SANCUS BLVD.	



LEGEND

- FIBER PATCH CABLES T/R STANDARD
- FIBER PATCH CABLES R/T CROSSOVER
- EXISTING FIBER PATCH CABLES
- OUTDOOR CAT 5E CABLE
- INDOOR CAT 5E CABLE
- CAT 5E CABLE TO BE REMOVED
- TERMINATION PANEL UPC (Blue)/APC (Green)
- EXISTING/PROPOSED FIBER OR BUFFER TUBE LEFT COILED IN SPLICE ENCLOSURE
- FUSION SPLICE – 6 FIBERS/ SINGLE FIBER
- FUSION SPLICE – 12 FIBER BUFFER TUBE
- EXISTING FUSION SPLICE – 12 FIBER BUFFER TUBE
- INTERSECTION LOCATION
- GBIC OPTICAL TRANSCEIVER LH - SHORT HAUL LED ZX – LONG HAUL LASER
- SFP/COPPER/CAT5/5E/6 CONNECTOR
- COPPER/CAT5/5E/6 CONNECTOR
- 144 STRAND SMF
- 288 STRAND SMF
- WIRELESS ETHERNET RADIO

KEY PLAN



5 DRAFT REVISION 5.0

INTERSECTION 3243

REFER TO SHEET 422A FOR CONSTRUCTION PLAN DETAILS

CIP: 540007 - 100012
PID NUMBER: 99733

INT# 3243: LAZZELLE RD. AT SANCUS BLVD.
COMMUNICATIONS DIAGRAM

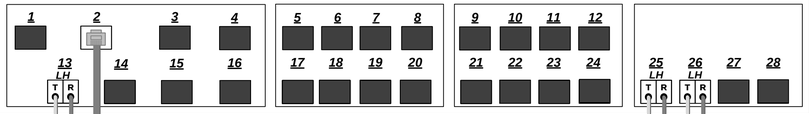
CITY OF COLUMBUS TRAFFIC SIGNAL SYSTEM
(CTSS) PHASE F – FINAL SUBMITTAL

685A
768

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EXISTING COMMUNICATION NODE EQUIPMENT CABINET (#2)

LAYER 3 ETHERNET SWITCH #1



1-13

1-25

1-26

LAYER 2 ETHERNET SWITCH #2

Ports 1 2 3 4 | 5 LH 6 7 8

2-5

2-6

24 STRAND LC PATCH PANEL

24SMF DROP CABLE

24 STRAND LC PATCH PANEL

1-13

2-6

2-5

REMOVE EXISTING PATCH CORDS FROM BLUE-GREEN/BROWN AND PATCH TO WHITE-BLUE/ ORANGE

EXISTING WIRELESS LINK TO INT# 4258: EDWARDS FARMS RD. AT HAYDEN RUN RD.

TO EXISTING SPLICE ENCLOSURE

144SMF DROP CABLE (CTSS TRUNK)

24SMF DROP CABLE (I-270 BACKBONE) CTSS

144SMF DROP CABLE (DoT TRUNK)

144SMF DROP CABLE NORTH (I-270 BACKBONE) DoT

144SMF DROP CABLE SOUTH (I-270 BACKBONE) DoT

CTSS 4RU PATCH PANEL

WEST
- BLUE TUBE
- ORANGE TUBE
- GREEN TUBE
- BROWN TUBE
- SLATE TUBE
- WHITE TUBE

SPARE
- RED TUBE
- BLACK TUBE
- YELLOW TUBE
- VIOLET TUBE
- ROSE TUBE
- AQUA TUBE

DoT 4RU PATCH PANEL

SOUTH
- BLUE TUBE
- ORANGE TUBE
- GREEN TUBE
- BROWN TUBE
- SLATE TUBE
- WHITE TUBE
- RED TUBE
- BLACK TUBE
- YELLOW TUBE
- VIOLET TUBE
- ROSE TUBE
- AQUA TUBE

NORTH
- BLUE TUBE
- ORANGE TUBE
- GREEN TUBE
- BROWN TUBE
- SLATE TUBE
- WHITE TUBE
- RED TUBE
- BLACK TUBE
- YELLOW TUBE
- VIOLET TUBE
- ROSE TUBE
- AQUA TUBE

DoT 4RU PATCH PANEL

WEST
- BLUE TUBE
- ORANGE TUBE
- GREEN TUBE
- BROWN TUBE
- SLATE TUBE
- WHITE TUBE

SPARE
- RED TUBE
- BLACK TUBE
- YELLOW TUBE
- VIOLET TUBE
- ROSE TUBE
- AQUA TUBE

DoT 4RU PATCH PANEL

ETHERNET SWITCH #1 PORT DESTINATION

PORT 1-13: INT# SIG4780: AVERY RD. AT HAYDEN RUN RD. SEE SHEET 535

PORT 1-25: EXISTING COMMUNICATION NODE# 270015.6: I-270 AT TUTTLES CROSSING BLVD.

PORT 1-26: EXISTING COMMUNICATION NODE# 270012.6: I-270 AT CEMETERY RD.

ETHERNET SWITCH #2 PORT DESTINATION

PORT 2-5: INT# 4252: BOW FALLS BLVD. / LEPPERT RD. AT HAYDEN RUN RD.

PORT 2-6: INT#4264: AVERY RD AT HAYDEN RUN BLVD AND RIGGINS RD

EXISTING COMMUNICATION NODE FIBER TERMINATION CABINET (#1)

EXISTING COMMUNICATION NODE FIBER TERMINATION CABINET (#2)

1-25

1-26

INT# 4252: BOW FALLS BLVD. / LEPPERT RD. AT HAYDEN RUN RD.

CTSS 1RU PATCH PANEL

NORTH
- BLUE TUBE

SOUTH
- ORANGE TUBE

LEGEND

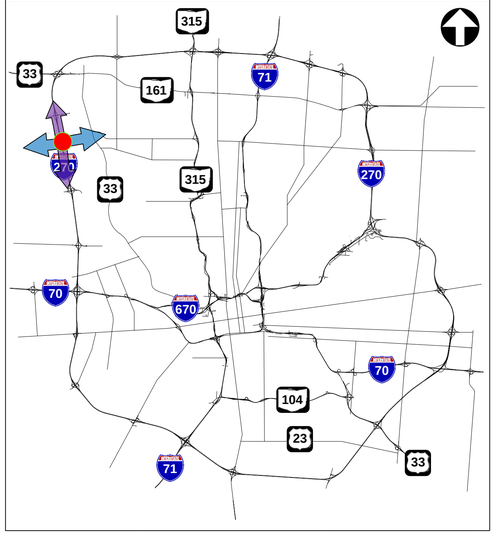
EQUIPMENT CABLE
- FIBER PATCH CABLES Tx/Tx
- CAT 5E CABLE
- FIBER PATCH CABLES Tx/Rx CROSSOVER
- EXISTING FIBER PATCH CABLES

INTERCONNECT CABLE
- 288 STRAND SMF CABLE
- CITYNET SMF CABLE
- 144 STRAND SMF CABLE
- D.O.T. SMF CABLE
- COLUMBUS FIBERNET SMF CABLE

FIBER SPLICING (DARK/LIGHT – PROPOSED/EXISTING)
- FUSION SPLICE – 12 FIBER BUFFER TUBE
- FUSION SPLICE – PARTIAL BUFFER TUBE
- FUSION SPLICE – SINGLE FIBER
- COILED FIBER OR BUFFER TUBE

EQUIPMENT AND TERMINATION CABINET
- LH/ZX — GBIC OPTICAL TRANSCEIVER (LH - SHORT HAUL, ZX – LONG HAUL)
- 8P8C CONNECTOR
- EMPTY SFP MODULE BAY
- LC TERMINATION – SINGLE FIBER
- LC TERMINATION – 12 FIBER BUFFER TUBE
- WIRELESS ETHERNET RADIO

KEY PLAN



DRAFT REVISION 6.0

COMMUNICATION NODE 270014.8

CITY OF COLUMBUS TRAFFIC SIGNAL SYSTEM
PHASE F – FINAL SUBMITTAL

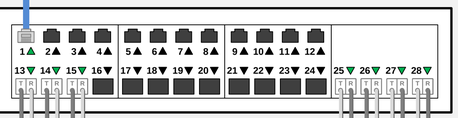
EXISTING COMMUNICATIONS DIAGRAM

COMMUNICATION NODE# 270014.8: I-270 AT HAYDEN RUN RD.

535B
768

COMMUNICATION NODE EQUIPMENT CABINET (#2)

LAYER 3 ETHERNET SWITCH - #1 (CTSS)



TO: CONTROL EQUIPMENT MONITOR

25 26 27 28 14 15

24SMF DROP CABLE

24 STRAND LC PATCH PANEL

SWITCH	PORT	STATUS	DESTINATION	SHEET NO
1	13	EXISTING	INT#4236: TRABUE RD. AT WILSON RD.	
1	14	PROPOSED	INT# SIG4895: TRABUE RD. AT TRABUE WOODS	658
1	15	REVISED	INT #4230: TRABUE RD. AT WALCUTT CT.	657
1	25	EXISTING	EXISTING COMMUNICATION NODE# 270010.5: I-270 AT ROBERTS RD (ROUTED)	
1	26	EXISTING	EXISTING COMMUNICATION NODE# 270008.7: I-70 AT I-270 (WEST)	
1	27	EXISTING	EXISTING COMMUNICATION NODE #070094.1: I-70 AT WILSON RD. (TRUNK)	
1	28	EXISTING	EXISTING COMMUNICATION NODE #070091.2: I-70 AT HILLIARD-ROME RD (TRUNK)	

COMMUNICATION NODE FIBER TERMINATION CABINET (#1)

25 26 27 28 13 15 14

24 STRAND LC PATCH PANEL

CTSS 144 SMF LC

REROUTE EXISTING PATCH CORD FROM BLUE-GREEN/BROWN TO BLUE-BLUE/ORANGE

REROUTE EXISTING PATCH CORD FROM BLUE-BLUE/ORANGE TO WHITE-BLUE/ORANGE

EXISTING DROP CABLE (I-270 BACKBONE)

NORTH — BLUE TUBE

SOUTH — ORANGE TUBE

EXISTING DROP CABLE (TRUNK – TRABUE RD)

EAST — BLUE TUBE

WEST — RED TUBE

AQUA TUBE

NOTES

SOME EXISTING FIBERS AND SPLICES ARE OMITTED ON THIS SHEET FOR CLARITY OF PROPOSED WORK.

EXISTING SPLICE ENCLOSURE

288 SMF CABLE NORTH I-270 BACKBONE

TO: EXISTING COMMUNICATIONS NODE #270010.5

144 SMF CABLE WEST TRABUE RD TRUNK

TO: EXISTING INT #SIG4895 TRABUE RD AT TRABUE WOODS

144 SMF CABLE EAST TRABUE RD TRUNK

TO: EXISTING INT #4236 TRABUE RD AT WILSON RD

288 SMF CABLE SOUTH I-270 BACKBONE

TO: EXISTING COMMUNICATIONS NODE #270008.7

WHITE TUBE: FIBERS 1-6 SPLICED TO AQUA TUBE FIBERS 7-12 ARE RESERVED FOR ODOT AND ARE SPLICED TO ODOT DROP CABLE

LEGEND

EQUIPMENT CABLE

- FIBER PATCH CABLES Tx/Tx
- FIBER PATCH CABLES Tx/Rx CROSSOVER
- EXISTING FIBER PATCH CABLES
- CAT 5E CABLE
- OUTDOOR CAT 5E CABLE

INTERCONNECT CABLE

- 288 STRAND SMF CABLE
- 144 STRAND SMF CABLE
- COLUMBUS FIBERNET SMF CABLE
- CITYNET SMF CABLE
- D.O.T. SMF CABLE

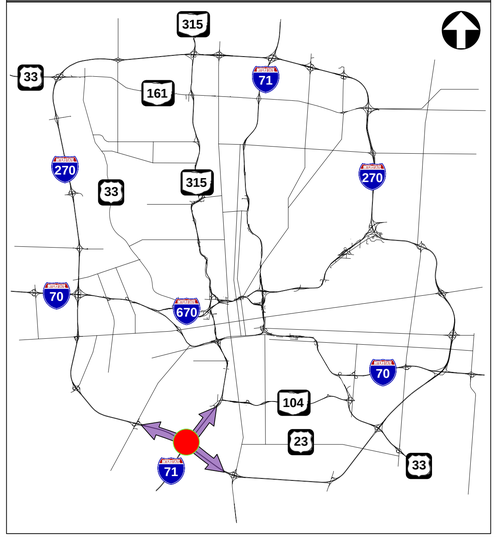
FIBER SPLICING (DARK/LIGHT – PROPOSED/EXISTING)

- FUSION SPLICE – 12 FIBER BUFFER TUBE
- FUSION SPLICE – PARTIAL BUFFER TUBE
- FUSION SPLICE – SINGLE FIBER
- COILED FIBER OR BUFFER TUBE
- # - # SWITCH # - PORT #

EQUIPMENT AND TERMINATION CABINET

- LH / ZX — GBIC OPTICAL TRANSCEIVER; LH - SHORT HAUL; ZX – LONG HAUL
- 8P8C CONNECTOR
- EMPTY SFP MODULE BAY
- LC TERMINATION – SINGLE FIBER
- TERMINATION PANEL UPC (Blue)/APC (Green)
- WIRELESS ETHERNET RADIO

KEY PLAN



10 DRAFT REVISION 10.0

COMMUNICATION NODE 270009.3

REFER TO SHEET 481 FOR COMM OVERVIEW DETAILS

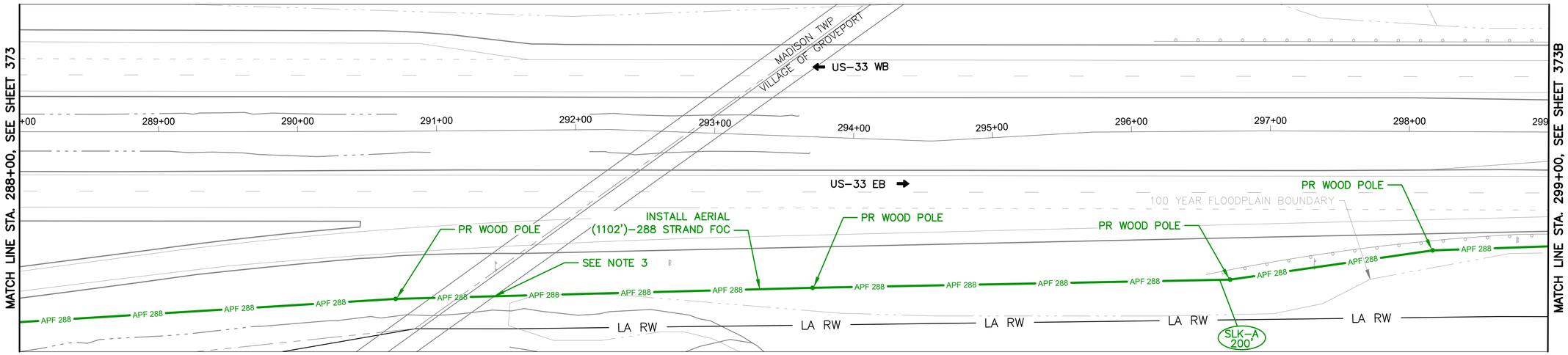
CIP: 540007 – 100012
PID NUMBER: 99733

EXISTING COMMUNICATIONS NODE #270009.3: TRABUE RD AT I-270
COMMUNICATIONS DIAGRAM

CITY OF COLUMBUS TRAFFIC SIGNAL SYSTEM
(CTSS) PHASE F – FINAL SUBMITTAL

658A
768

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US-33 BETWEEN STATION 288+00 AND 299+00

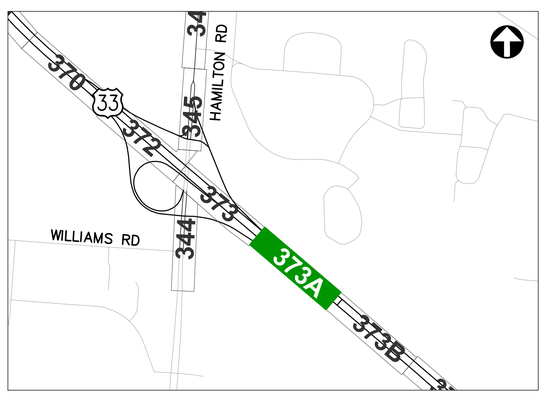
NOTES:

1. SEE SHEET 475 & 479 FOR COMMUNICATION DETAILS.
2. LIMITED ACCESS RIGHT OF WAY IS LOCATED OUTSIDE OF THE EXTENT OF VIEW SHOWN ABOVE.
3. CONTRACTOR TO ADHERE TO NESC REQUIREMENTS FOR CLEARANCE FROM TRANSMISSION LINES.

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CITY OF COLUMBUS UTILITY LEGEND

- ☐ SEWER
- ☐ WATER
- ☐ POWER
- ☐ LIGHTING



REFER TO SHEET 240 FOR INTERCONNECT SHEET INDEX

KEY PLAN
NOT TO SCALE

12 DRAFT REVISION 12.0

3676-E

HORIZONTAL SCALE IN FEET
0 40 80

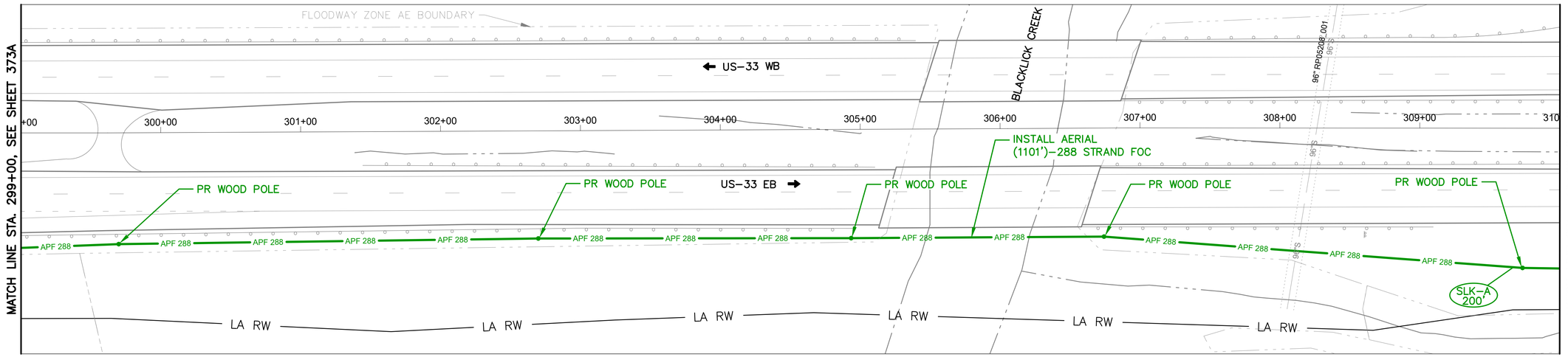
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PID NUMBER: 110521

INTERCONNECT PLAN
US-33 BETWEEN STA. 288+00 AND 299+00

CITY OF COLUMBUS TRAFFIC SIGNAL SYSTEM
(CTSS) PHASE F - FINAL SUBMITTAL

373A
768

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US-33 BETWEEN STATION 299+00 AND 310+00

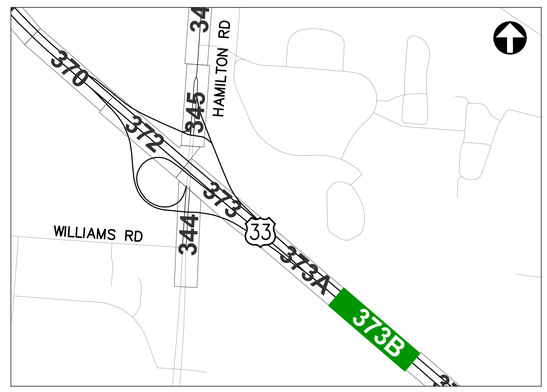
NOTES:

1. SEE SHEET 475 & 479 FOR COMMUNICATION DETAILS.
2. LIMITED ACCESS RIGHT OF WAY IS LOCATED OUTSIDE OF THE EXTENT OF VIEW SHOWN ABOVE.

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CITY OF COLUMBUS UTILITY LEGEND

- ☐ SEWER
- ☐ WATER
- ☐ POWER
- ☐ LIGHTING



REFER TO SHEET 240 FOR INTERCONNECT SHEET INDEX

KEY PLAN
NOT TO SCALE

12 DRAFT REVISION 12.0

3676-E

HORIZONTAL SCALE IN FEET
0 40 80

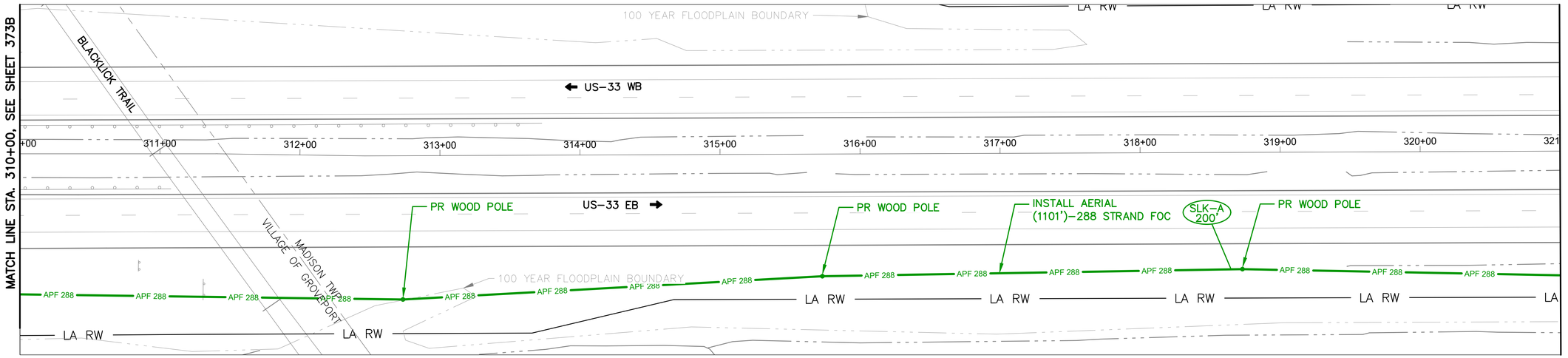
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PID NUMBER: 110521

INTERCONNECT PLAN
US-33 BETWEEN STA. 299+00 AND 310+00

CITY OF COLUMBUS TRAFFIC SIGNAL SYSTEM
(CTSS) PHASE F - FINAL SUBMITTAL

373B
768

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US-33 BETWEEN STATION 310+00 AND 321+00

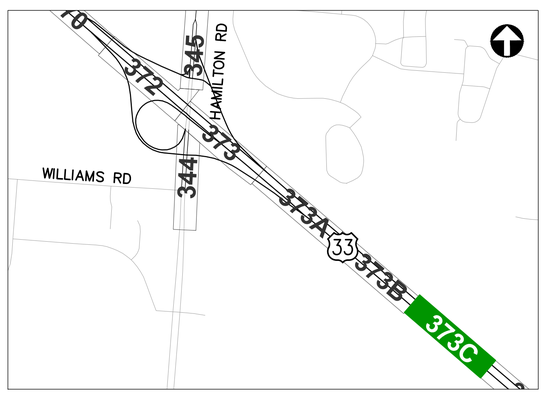
NOTES:

1. SEE SHEET 475 & 479 FOR COMMUNICATION DETAILS.
2. LIMITED ACCESS RIGHT OF WAY IS LOCATED OUTSIDE OF THE EXTENT OF VIEW SHOWN ABOVE.

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CITY OF COLUMBUS UTILITY LEGEND

- ☐ SEWER
- ☐ WATER
- ☐ POWER
- ☐ LIGHTING



REFER TO SHEET 240 FOR INTERCONNECT SHEET INDEX

KEY PLAN
NOT TO SCALE

12 DRAFT REVISION 12.0

3676-E

HORIZONTAL SCALE IN FEET
0 40 80

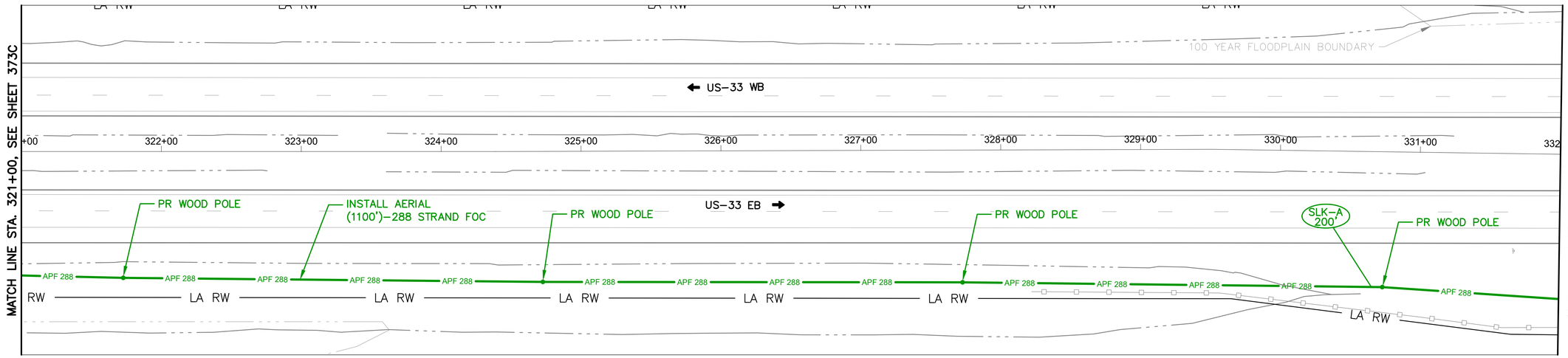
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INTERCONNECT PLAN
US-33 BETWEEN STA. 310+00 AND 321+00

CITY OF COLUMBUS TRAFFIC SIGNAL SYSTEM
(CTSS) PHASE F - FINAL SUBMITTAL

373C
768

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US-33 BETWEEN STATION 321+00 AND 332+00

NOTES:

1. SEE SHEET 475 & 479 FOR COMMUNICATION DETAILS.
2. LIMITED ACCESS RIGHT OF WAY IS LOCATED OUTSIDE OF THE EXTENT OF VIEW SHOWN ABOVE.

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CITY OF COLUMBUS UTILITY LEGEND

- ☐ SEWER
- ☐ WATER
- ☐ POWER
- ☐ LIGHTING



REFER TO SHEET 240 FOR INTERCONNECT SHEET INDEX

KEY PLAN
NOT TO SCALE

12 DRAFT REVISION 12.0

3676-E

HORIZONTAL SCALE IN FEET
0 40 80

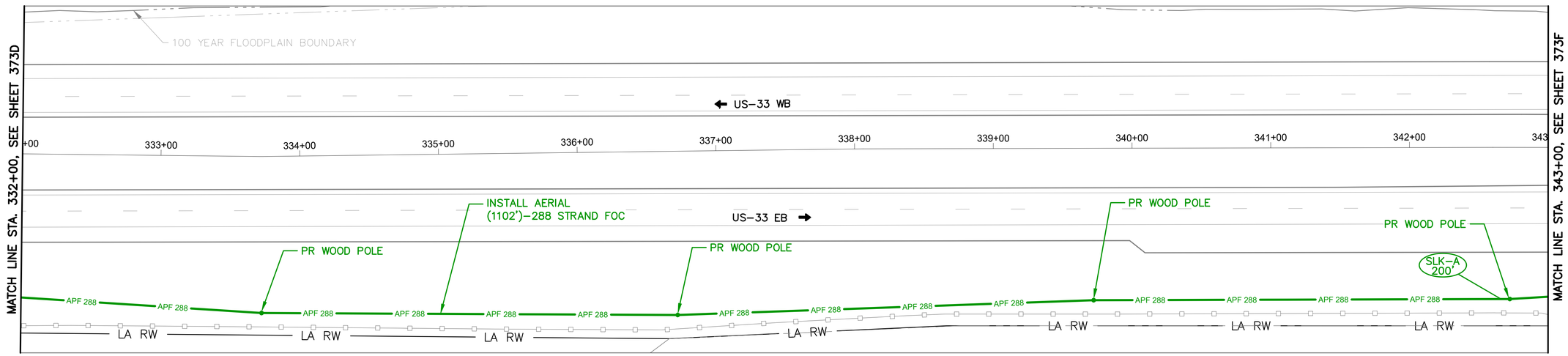
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INTERCONNECT PLAN
US–33 BETWEEN STA. 321+00 AND 332+00

CITY OF COLUMBUS TRAFFIC SIGNAL SYSTEM
(CTSS) PHASE F – FINAL SUBMITTAL

373D
768

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US-33 BETWEEN STATION 332+00 AND 343+00

NOTES:

1. SEE SHEET 475 & 479 FOR COMMUNICATION DETAILS.
2. LIMITED ACCESS RIGHT OF WAY IS LOCATED OUTSIDE OF THE EXTENT OF VIEW SHOWN ABOVE.

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CITY OF COLUMBUS
UTILITY LEGEND

- ☐ SEWER
- ☐ WATER
- ☐ POWER
- ☐ LIGHTING



REFER TO SHEET 240 FOR INTERCONNECT SHEET INDEX

KEY PLAN
NOT TO SCALE

12 DRAFT REVISION 12.0

3676-E

HORIZONTAL SCALE IN FEET
0 40 80

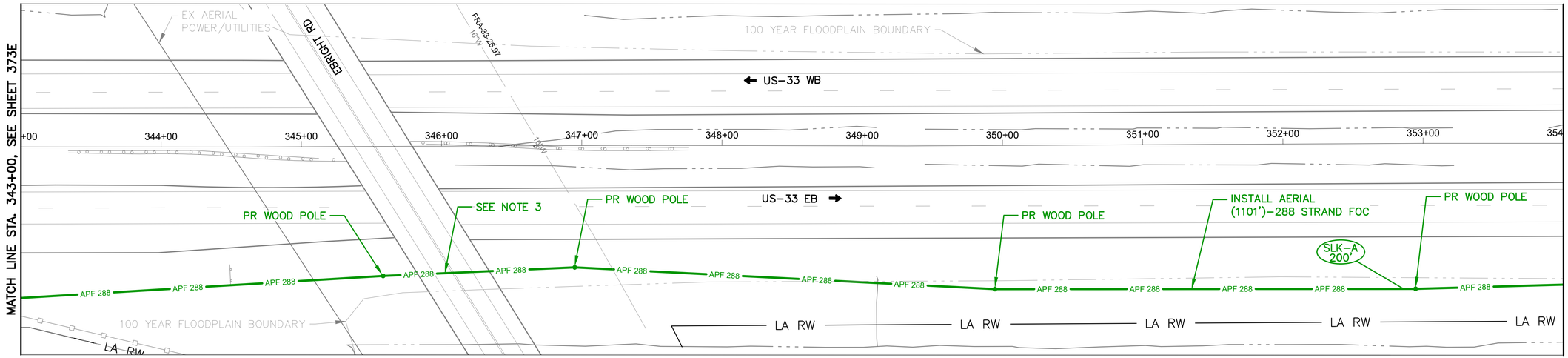
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PID NUMBER: 110521

INTERCONNECT PLAN
US–33 BETWEEN STA. 332+00 AND 343+00

CITY OF COLUMBUS TRAFFIC SIGNAL SYSTEM
(CTSS) PHASE F – FINAL SUBMITTAL

373E
768

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US-33 BETWEEN STATION 343+00 AND 354+00

NOTES:

1. SEE SHEET 475 & 479 FOR COMMUNICATION DETAILS.
2. LIMITED ACCESS RIGHT OF WAY IS LOCATED OUTSIDE OF THE EXTENT OF VIEW SHOWN ABOVE.
3. 288 STRAND FOC SHALL CROSS UNDER EXISTING BRIDGE AND HAVE NO ATTACHMENTS TO EXISTING STRUCTURES.

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CITY OF COLUMBUS UTILITY LEGEND

- ☐ SEWER
- ☐ WATER
- ☐ POWER
- ☐ LIGHTING



REFER TO SHEET 240 FOR INTERCONNECT SHEET INDEX

KEY PLAN
NOT TO SCALE

12 DRAFT REVISION 12.0

3676-E

HORIZONTAL SCALE IN FEET
0 40 80

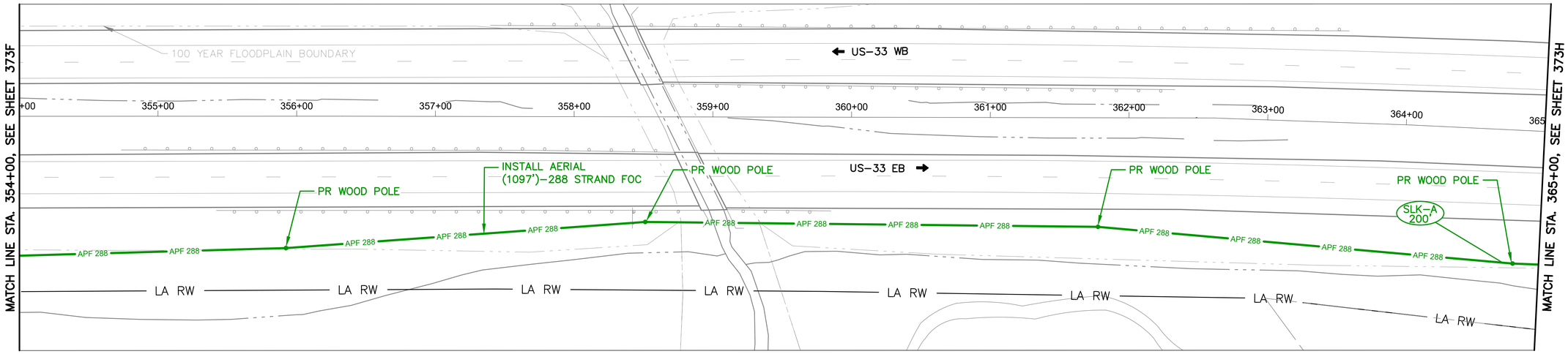
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PID NUMBER: 110521

INTERCONNECT PLAN
US-33 BETWEEN STA. 343+00 AND 354+00

CITY OF COLUMBUS TRAFFIC SIGNAL SYSTEM
(CTSS) PHASE F – FINAL SUBMITTAL

373F
768

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US-33 BETWEEN STATION 354+00 AND 365+00

NOTES:

1. SEE SHEET 475 & 479 FOR COMMUNICATION DETAILS.
2. LIMITED ACCESS RIGHT OF WAY IS LOCATED OUTSIDE OF THE EXTENT OF VIEW SHOWN ABOVE.

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CITY OF COLUMBUS UTILITY LEGEND

- ☐ SEWER
- ☐ WATER
- ☐ POWER
- ☐ LIGHTING



REFER TO SHEET 240 FOR INTERCONNECT SHEET INDEX

KEY PLAN
NOT TO SCALE

12 DRAFT REVISION 12.0

3676-E

HORIZONTAL SCALE IN FEET
0 40 80

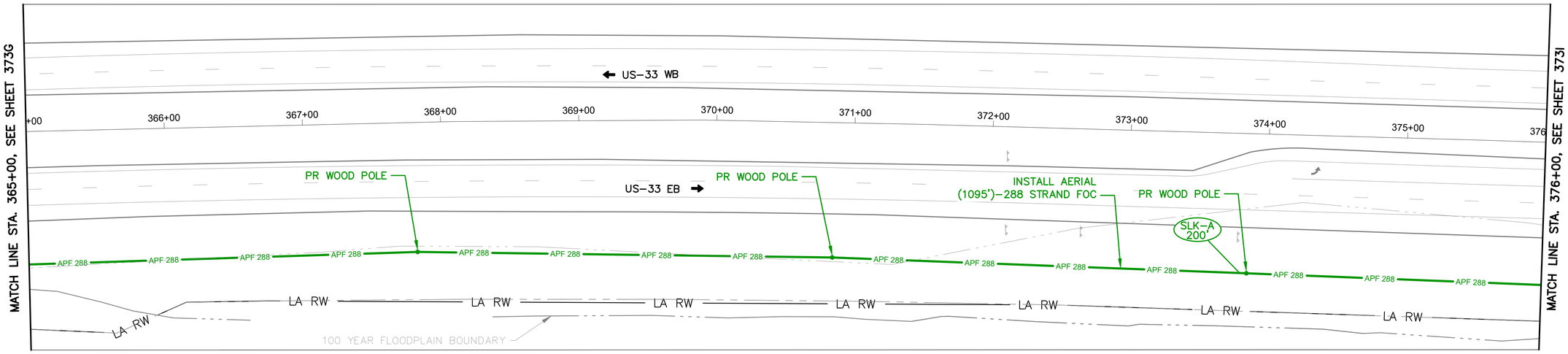
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PID NUMBER: 110521

INTERCONNECT PLAN
US-33 BETWEEN STA. 354+00 AND 365+00

CITY OF COLUMBUS TRAFFIC SIGNAL SYSTEM
(CTSS) PHASE F - FINAL SUBMITTAL

373G
768

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US-33 BETWEEN STATION 365+00 AND 376+00

NOTES:

1. SEE SHEET 475 & 479 FOR COMMUNICATION DETAILS.
2. LIMITED ACCESS RIGHT OF WAY IS LOCATED OUTSIDE OF THE EXTENT OF VIEW SHOWN ABOVE.

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CITY OF COLUMBUS UTILITY LEGEND

- ☐ SEWER
- ☐ WATER
- ☐ POWER
- ☐ LIGHTING



REFER TO SHEET 240 FOR INTERCONNECT SHEET INDEX

KEY PLAN
NOT TO SCALE

12 DRAFT REVISION 12.0

3676-E

HORIZONTAL SCALE IN FEET
0 40 80

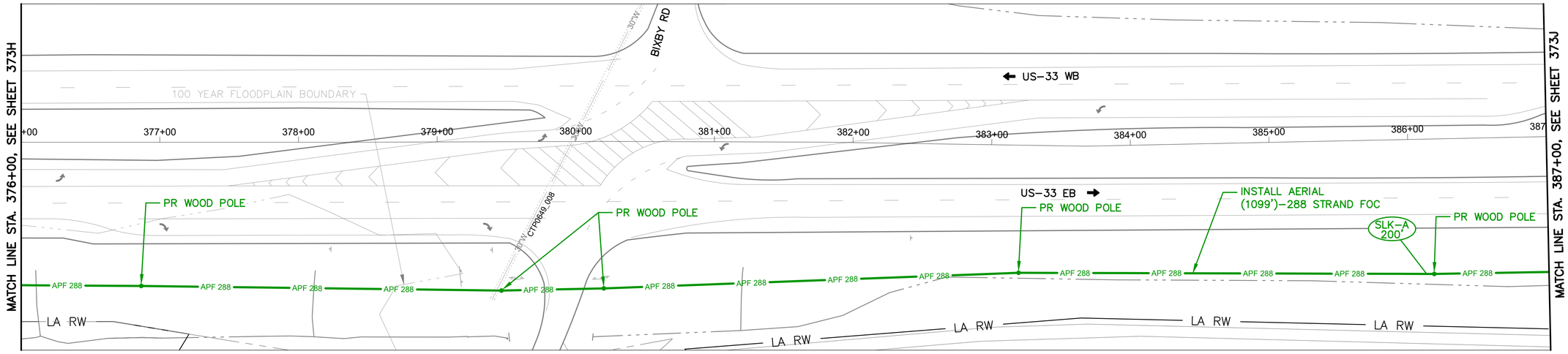
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PID NUMBER: 110521

INTERCONNECT PLAN
US-33 BETWEEN STA. 365+00 AND 376+00

CITY OF COLUMBUS TRAFFIC SIGNAL SYSTEM
(CTSS) PHASE F - FINAL SUBMITTAL

373H
768

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US-33 BETWEEN STATION 376+00 AND 387+00

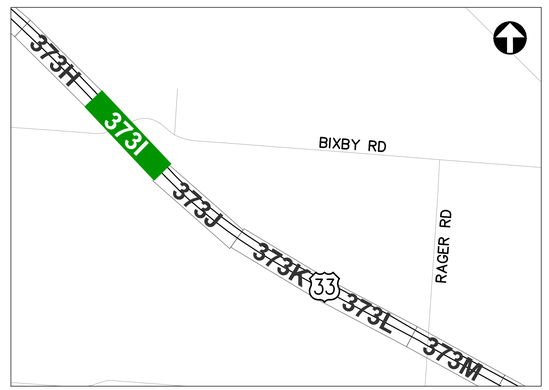
NOTES:

1. SEE SHEET 475 & 479 FOR COMMUNICATION DETAILS.
2. LIMITED ACCESS RIGHT OF WAY IS LOCATED OUTSIDE OF THE EXTENT OF VIEW SHOWN ABOVE.

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CITY OF COLUMBUS UTILITY LEGEND

- ☐ SEWER
- ☐ WATER
- ☐ POWER
- ☐ LIGHTING



REFER TO SHEET 240 FOR INTERCONNECT SHEET INDEX

KEY PLAN
NOT TO SCALE

12 DRAFT REVISION 12.0

3676-E

HORIZONTAL SCALE IN FEET
0 40 80

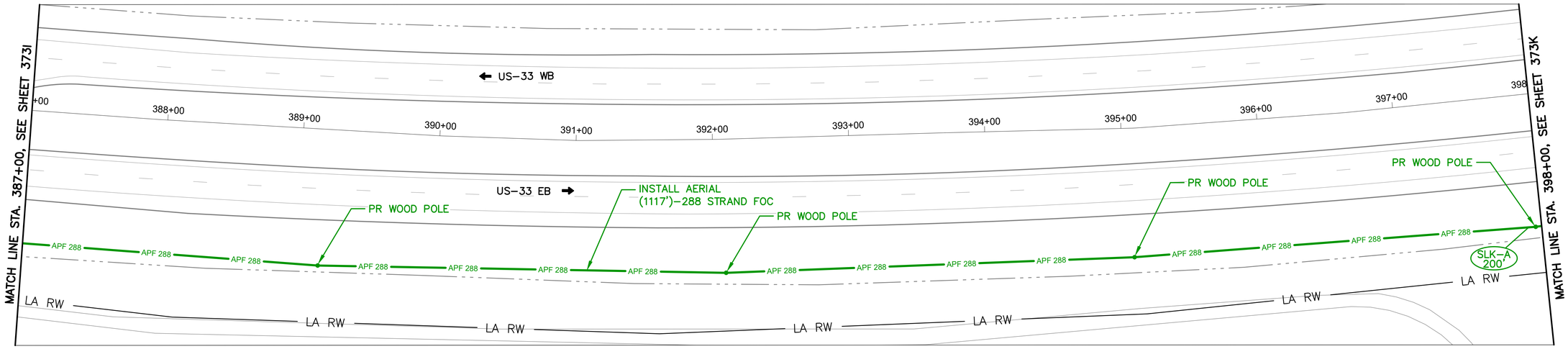
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PID NUMBER: 110521

INTERCONNECT PLAN
US-33 BETWEEN STA. 376+00 AND 387+00

CITY OF COLUMBUS TRAFFIC SIGNAL SYSTEM
(CTSS) PHASE F – FINAL SUBMITTAL

373I
768

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US-33 BETWEEN STATION 387+00 AND 398+00

NOTES:

1. SEE SHEET 475 & 479 FOR COMMUNICATION DETAILS.
2. LIMITED ACCESS RIGHT OF WAY IS LOCATED OUTSIDE OF THE EXTENT OF VIEW SHOWN ABOVE.

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CITY OF COLUMBUS UTILITY LEGEND

- ☐ SEWER
- ☐ WATER
- ☐ POWER
- ☐ LIGHTING



REFER TO SHEET 241 FOR INTERCONNECT SHEET INDEX

KEY PLAN
NOT TO SCALE

12 DRAFT REVISION 12.0

3676-E

HORIZONTAL SCALE IN FEET
0 40 80

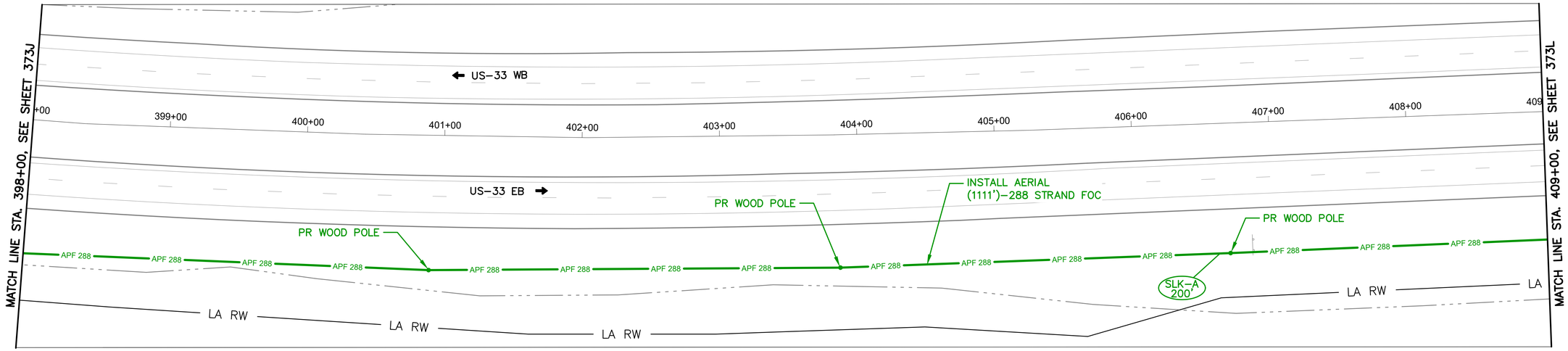
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PID NUMBER: 110521

INTERCONNECT PLAN
US-33 BETWEEN STA. 387+00 AND 398+00

CITY OF COLUMBUS TRAFFIC SIGNAL SYSTEM
(CTSS) PHASE F - FINAL SUBMITTAL

373J
768

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US-33 BETWEEN STATION 398+00 AND 409+00

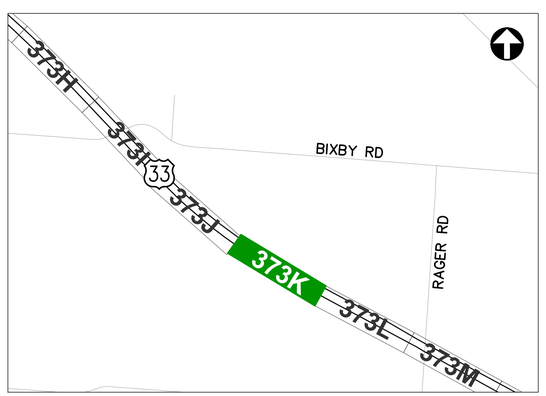
NOTES:

1. SEE SHEET 475 & 479 FOR COMMUNICATION DETAILS.
2. LIMITED ACCESS RIGHT OF WAY IS LOCATED OUTSIDE OF THE EXTENT OF VIEW SHOWN ABOVE.

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CITY OF COLUMBUS UTILITY LEGEND

- ☐ SEWER
- ☐ WATER
- ☐ POWER
- ☐ LIGHTING



REFER TO SHEET 241 FOR INTERCONNECT SHEET INDEX

KEY PLAN
NOT TO SCALE

12 DRAFT REVISION 12.0

3676-E

HORIZONTAL SCALE IN FEET
0 40 80

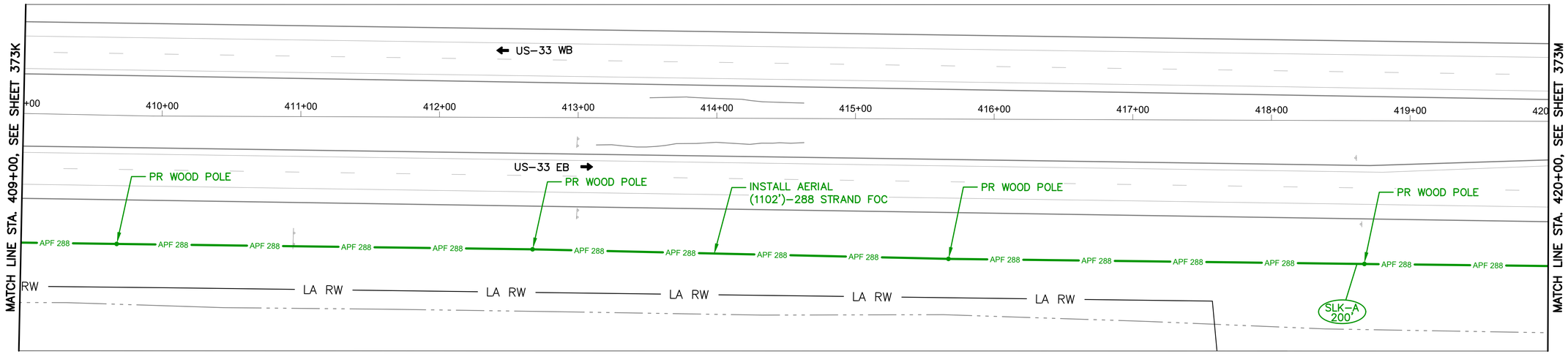
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PID NUMBER: 110521

INTERCONNECT PLAN
US-33 BETWEEN STA. 398+00 AND 409+00

CITY OF COLUMBUS TRAFFIC SIGNAL SYSTEM
(CTSS) PHASE F - FINAL SUBMITTAL

373K
768

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US-33 BETWEEN STATION 409+00 AND 420+00

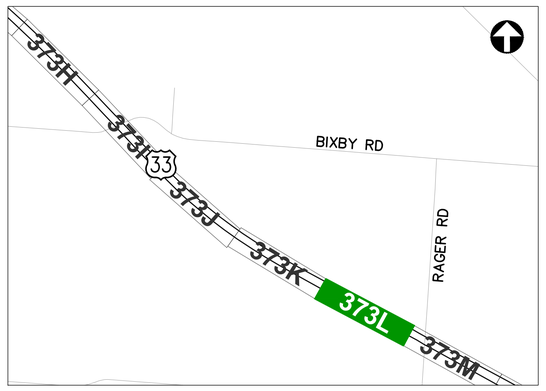
NOTES:

1. SEE SHEET 475 & 479 FOR COMMUNICATION DETAILS.
2. LIMITED ACCESS RIGHT OF WAY IS LOCATED OUTSIDE OF THE EXTENT OF VIEW SHOWN ABOVE.

Ohio Utilities Protection Service
Call Before You Dig
800-362-2764 or 8-1-1
www.oups.org

CITY OF COLUMBUS UTILITY LEGEND

- ☐ SEWER
- ☐ WATER
- ☐ POWER
- ☐ LIGHTING



REFER TO SHEET 241 FOR INTERCONNECT SHEET INDEX

KEY PLAN
NOT TO SCALE

12 DRAFT REVISION 12.0

3676-E

HORIZONTAL SCALE IN FEET
0 40 80

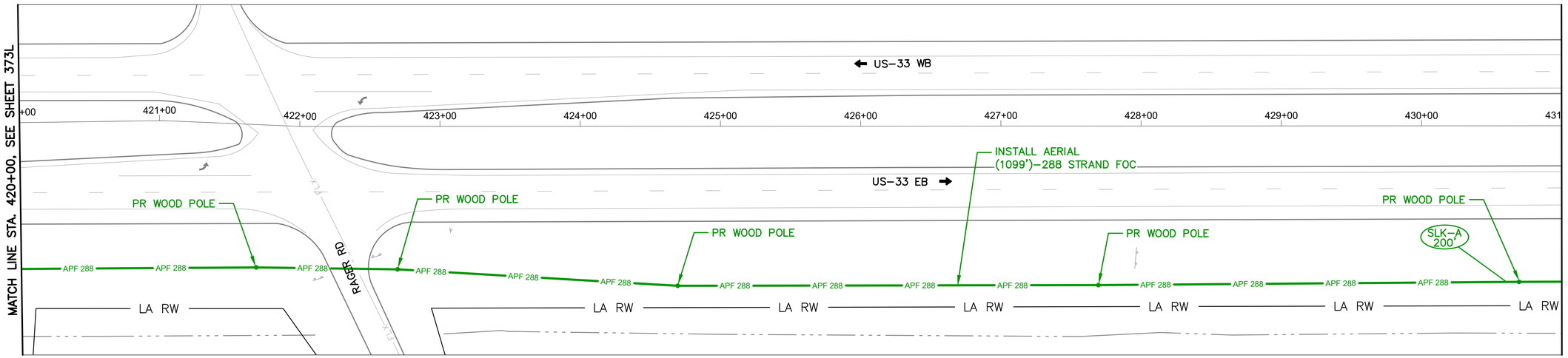
CIP: 540007-100060
PID NUMBER: 110521

INTERCONNECT PLAN
US-33 BETWEEN STA. 409+00 AND 420+00

CITY OF COLUMBUS TRAFFIC SIGNAL SYSTEM
(CTSS) PHASE F - FINAL SUBMITTAL

373L
768

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US-33 BETWEEN STATION 420+00 AND 431+00

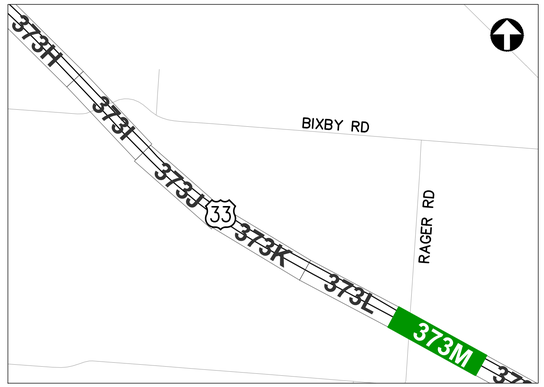
NOTES:

1. SEE SHEET 475 & 479 FOR COMMUNICATION DETAILS.
2. LIMITED ACCESS RIGHT OF WAY IS LOCATED OUTSIDE OF THE EXTENT OF VIEW SHOWN ABOVE.

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www.oups.org

CITY OF COLUMBUS UTILITY LEGEND

- ☐ SEWER
- ☐ WATER
- ☐ POWER
- ☐ LIGHTING



REFER TO SHEET 241 FOR INTERCONNECT SHEET INDEX

KEY PLAN
NOT TO SCALE

12 DRAFT REVISION 12.0

3676-E

HORIZONTAL SCALE IN FEET
0 40 80

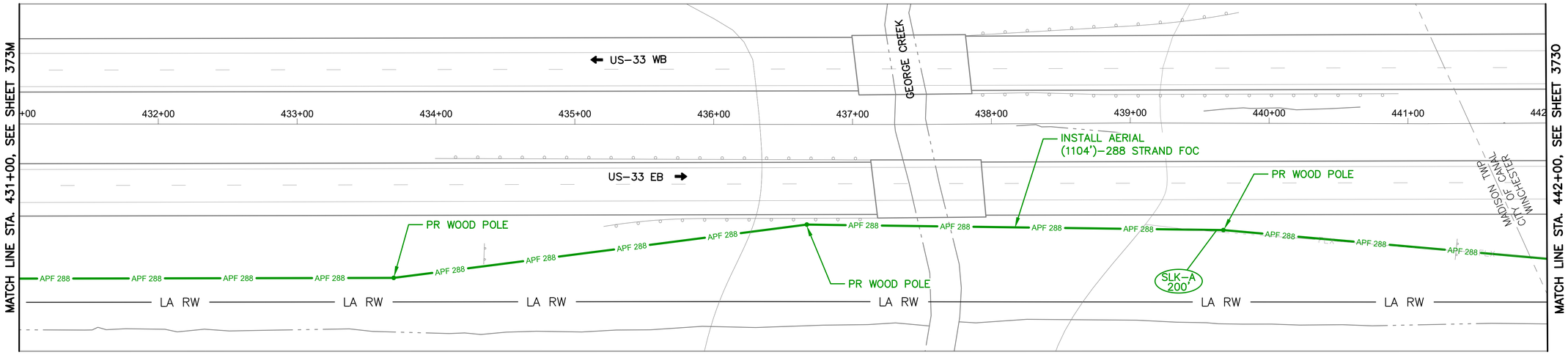
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PID NUMBER: 110521

INTERCONNECT PLAN
US-33 BETWEEN STA. 420+00 AND 431+00

CITY OF COLUMBUS TRAFFIC SIGNAL SYSTEM
(CTSS) PHASE F - FINAL SUBMITTAL

373M
768

J:\Jobs\70202 - CTSS Phase F\TECHPROD\Sheets\CTSS_PhF_Trunk4_US-33-4_INTERCONNECT.dwg - US 33-31 layout ~ last saved by: jbeans 09/27/2024 02:04pm ~ printed 10/01/2024 10:28am PSLTS: 1 LTS: 1 CAS: 1:1



US-33 BETWEEN STATION 431+00 AND 442+00

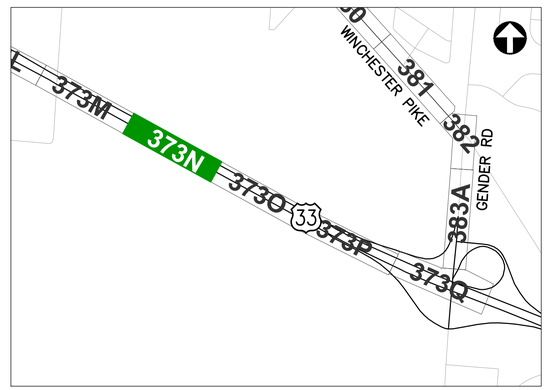
NOTES:

1. SEE SHEET 475 & 479 FOR COMMUNICATION DETAILS.
2. LIMITED ACCESS RIGHT OF WAY IS LOCATED OUTSIDE OF THE EXTENT OF VIEW SHOWN ABOVE.

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CITY OF COLUMBUS UTILITY LEGEND

- ☐ SEWER
- ☐ WATER
- ☐ POWER
- ☐ LIGHTING



REFER TO SHEET 241 FOR INTERCONNECT SHEET INDEX

KEY PLAN
NOT TO SCALE

12 DRAFT REVISION 12.0

3676-E

HORIZONTAL SCALE IN FEET
0 40 80

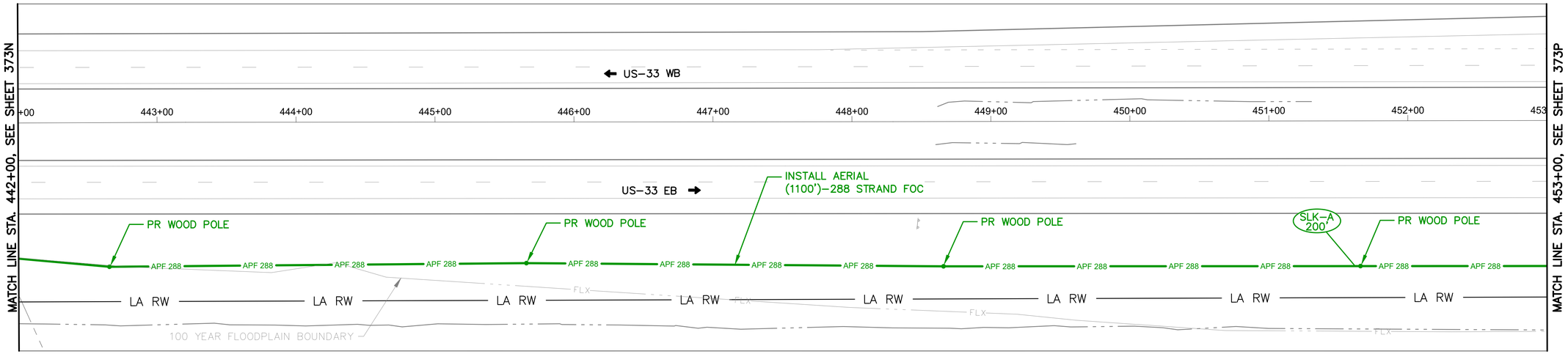
CIP: 540007-100060
PID NUMBER: 110521

INTERCONNECT PLAN
US-33 BETWEEN STA. 431+00 AND 442+00

CITY OF COLUMBUS TRAFFIC SIGNAL SYSTEM
(CTSS) PHASE F - FINAL SUBMITTAL

373N
768

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US-33 BETWEEN STATION 442+00 AND 453+00

NOTES:

1. SEE SHEET 475 & 479 FOR COMMUNICATION DETAILS.
2. LIMITED ACCESS RIGHT OF WAY IS LOCATED OUTSIDE OF THE EXTENT OF VIEW SHOWN ABOVE.

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CITY OF COLUMBUS UTILITY LEGEND

- ☐ SEWER
- ☐ WATER
- ☐ POWER
- ☐ LIGHTING



REFER TO SHEET 241 FOR INTERCONNECT SHEET INDEX

KEY PLAN
NOT TO SCALE

12 DRAFT REVISION 12.0

3676-E

HORIZONTAL SCALE IN FEET
0 40 80

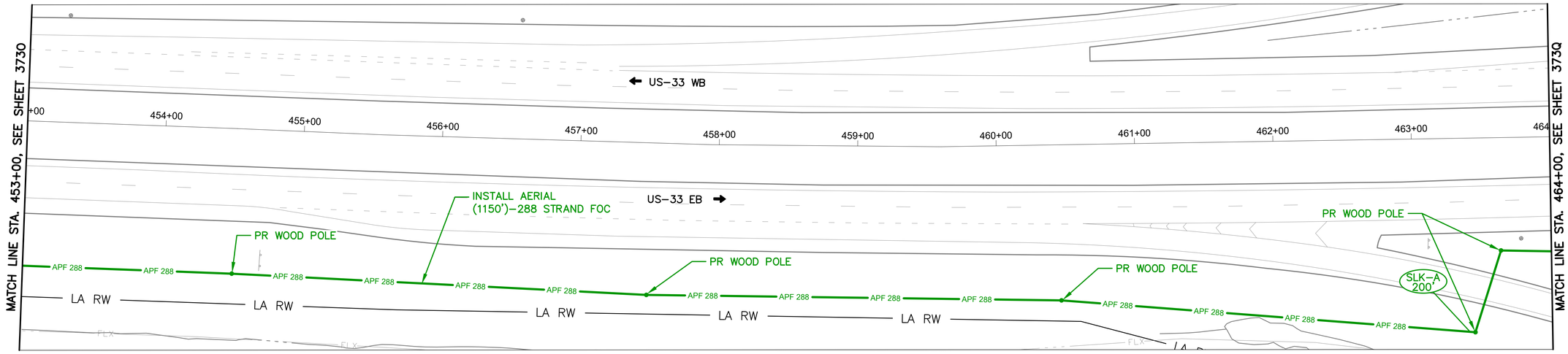
CIP: 540007-100060
PID NUMBER: 110521

INTERCONNECT PLAN
US-33 BETWEEN STA. 442+00 AND 453+00

CITY OF COLUMBUS TRAFFIC SIGNAL SYSTEM
(CTSS) PHASE F - FINAL SUBMITTAL

373O
768

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US-33 BETWEEN STATION 453+00 AND 464+00

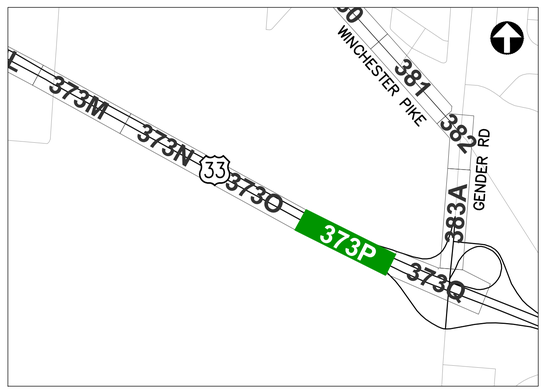
NOTES:

1. SEE SHEET 475 & 479 FOR COMMUNICATION DETAILS.
2. LIMITED ACCESS RIGHT OF WAY IS LOCATED OUTSIDE OF THE EXTENT OF VIEW SHOWN ABOVE.

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www.oups.org

CITY OF COLUMBUS UTILITY LEGEND

- ☐ SEWER
- ☐ WATER
- ☐ POWER
- ☐ LIGHTING



REFER TO SHEET 241 FOR INTERCONNECT SHEET INDEX

KEY PLAN
NOT TO SCALE

12 DRAFT REVISION 12.0

3676-E

HORIZONTAL SCALE IN FEET
0 40 80

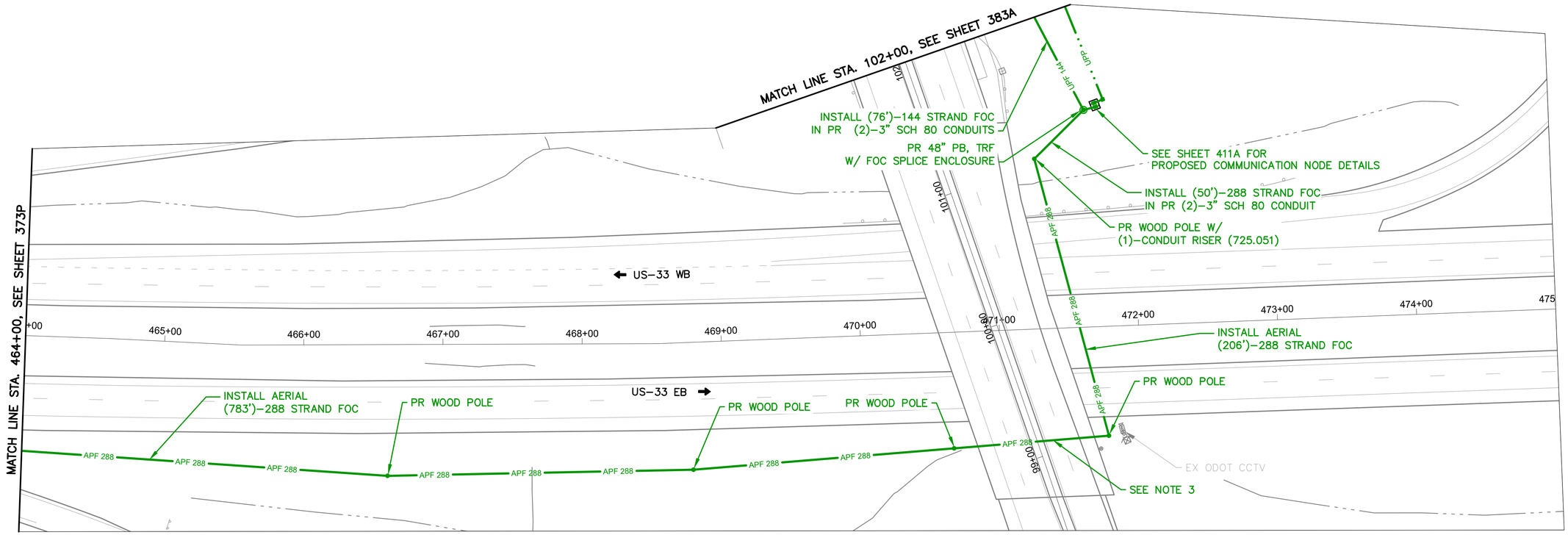
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PID NUMBER: 110521

INTERCONNECT PLAN
US-33 BETWEEN STA. 453+00 AND 464+00

CITY OF COLUMBUS TRAFFIC SIGNAL SYSTEM
(CTSS) PHASE F - FINAL SUBMITTAL

373P
768

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US-33 BETWEEN STATION 464+00 AND 475+00

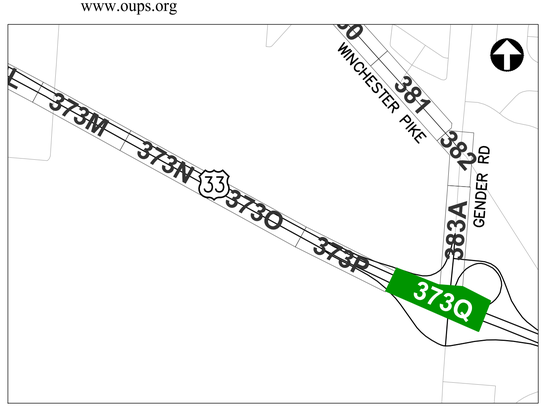
NOTES:

1. SEE SHEET 475 & 479 FOR COMMUNICATION DETAILS.
2. LIMITED ACCESS RIGHT OF WAY IS LOCATED OUTSIDE OF THE EXTENT OF VIEW SHOWN ABOVE.
3. 288 STRAND FOC SHALL CROSS UNDER EXISTING BRIDGE AND HAVE NO ATTACHMENTS TO EXISTING STRUCTURES.

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www.oups.org

CITY OF COLUMBUS UTILITY LEGEND

- ☐ SEWER
- ☐ WATER
- ☐ POWER
- ☐ LIGHTING



REFER TO SHEET 241 FOR INTERCONNECT SHEET INDEX

KEY PLAN
NOT TO SCALE

1 DRAFT REVISION 12.0

3676-E

HORIZONTAL SCALE IN FEET
0 40 80

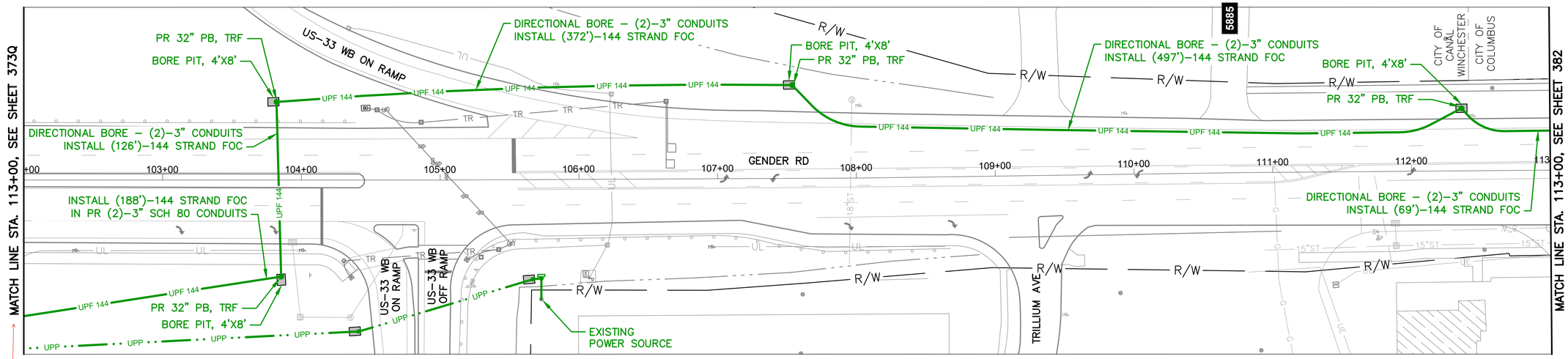
CIP: 540007-100060
PID NUMBER: 110521

INTERCONNECT PLAN
US-33 BETWEEN STA. 464+00 AND 475+00

CITY OF COLUMBUS TRAFFIC SIGNAL SYSTEM
(CTSS) PHASE F - FINAL SUBMITTAL

373Q
768

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GENDER RD BETWEEN STATION 102+00 AND 113+00

Not a true match line with 411A but this sheet can be seen on page 794 of this document

NOTES:

1. SEE SHEET 475 FOR COMMUNICATION DETAILS.

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CITY OF COLUMBUS UTILITY LEGEND

- ☐ SEWER
- ☐ WATER
- ☐ POWER
- ☐ LIGHTING



REFER TO SHEET 241 FOR INTERCONNECT SHEET INDEX

KEY PLAN
NOT TO SCALE

12 DRAFT REVISION 12.0

3676-E

HORIZONTAL SCALE IN FEET
0 40 80

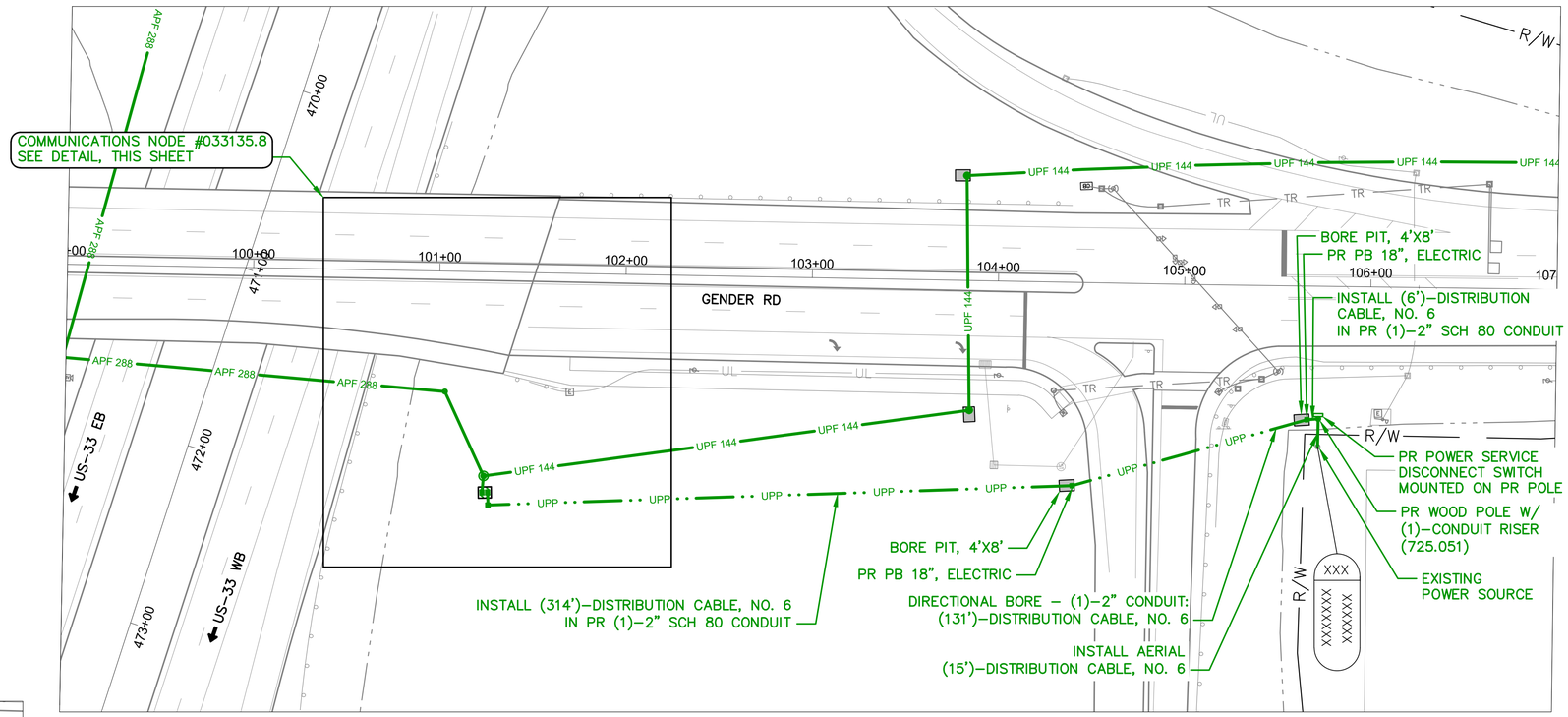
CIP: 540007–100060
PID NUMBER: 110521

INTERCONNECT PLAN
GENDER RD BETWEEN STA. 102+00 AND 113+00

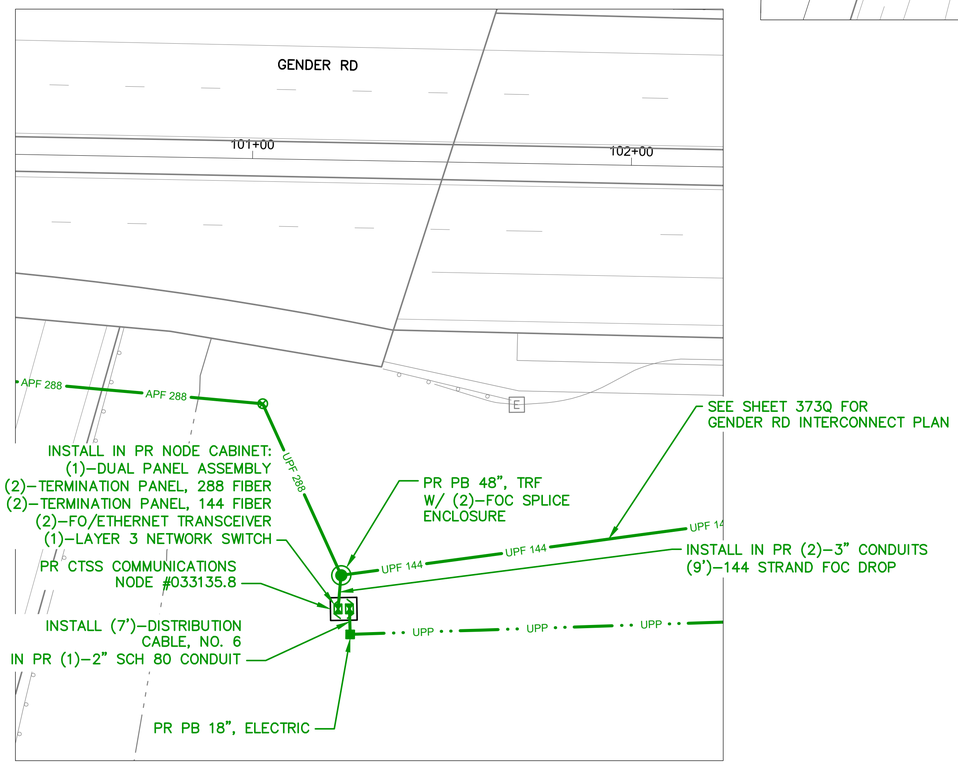
CITY OF COLUMBUS TRAFFIC SIGNAL SYSTEM
(CTSS) PHASE F – FINAL SUBMITTAL

383A
768

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GENDER RD BETWEEN STATION 99+00 AND 107+00



DETAIL - COMMUNICATIONS NODE #033135.8

0 20 40
HORIZONTAL SCALE IN FEET

NOTES:

1. SEE SHEET 475, 747F & 747G FOR COMMUNICATION DETAILS.
2. LIMITED ACCESS RIGHT OF WAY IS LOCATED OUTSIDE OF THE EXTENT OF VIEWS SHOWN ABOVE.



REFER TO SHEET 241 FOR INTERCONNECT SHEET INDEX

KEY PLAN
NOT TO SCALE

OHIO Utilities Protection SERVICE
Call Before You Dig
800-362-2764 or 8-1-1
www.oups.org

CITY OF COLUMBUS UTILITY LEGEND

- ☐ SEWER
- ☐ WATER
- ☐ POWER
- ☐ LIGHTING

12 DRAFT REVISION 12.0

3676-E

0 40 80
HORIZONTAL SCALE IN FEET

CIP: 540007–100060
PID NUMBER: 110521

COMMUNICATIONS NODE PLAN
GENDER RD BETWEEN STA. 99+00 AND 107+00, NODE #033135.8

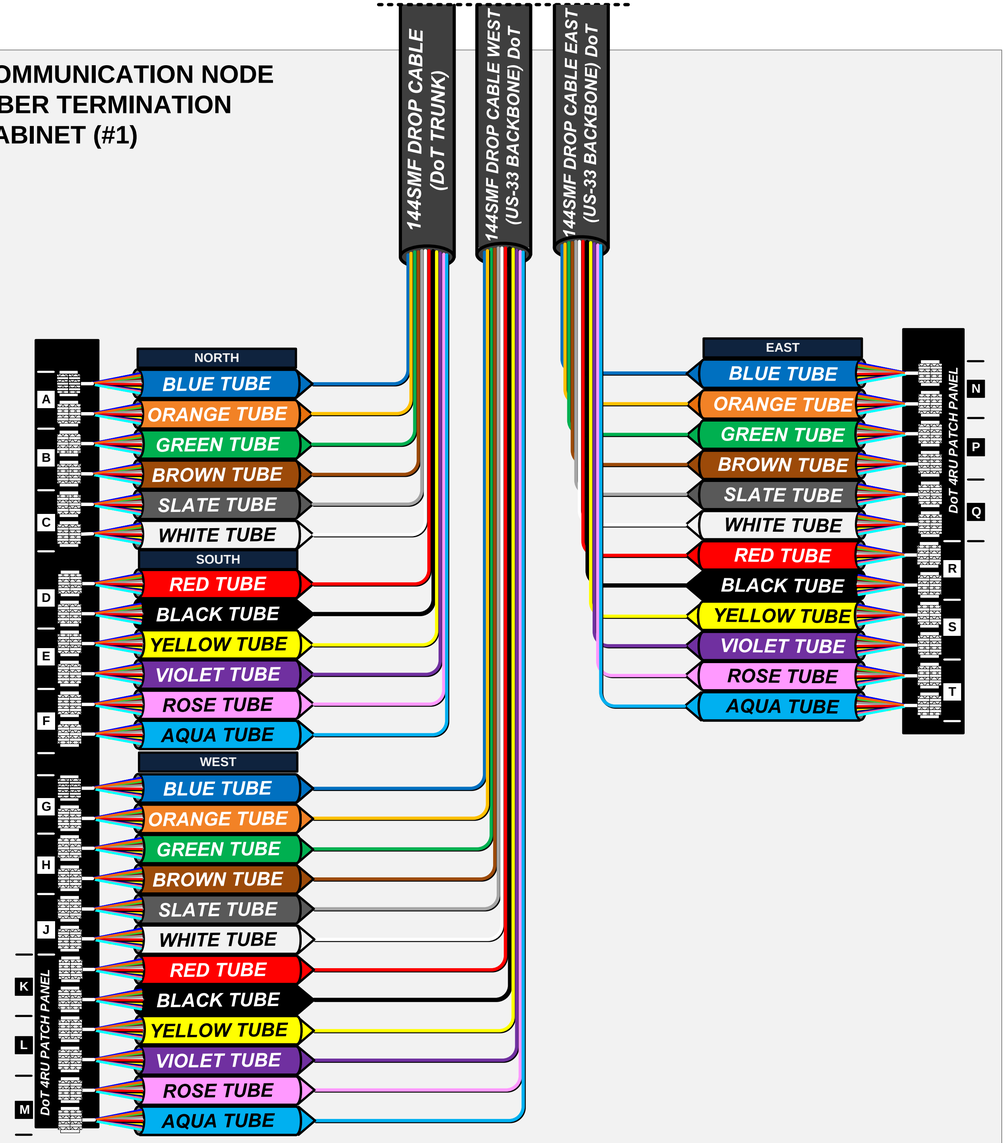
CITY OF COLUMBUS TRAFFIC SIGNAL SYSTEM
(CTSS) PHASE F – FINAL SUBMITTAL

411A
768

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MATCHLINE C - SEE SHEET 727

COMMUNICATION NODE FIBER TERMINATION CABINET (#1)



LEGEND

EQUIPMENT CABLE

- FIBER PATCH CABLES Tx/Tx
- FIBER PATCH CABLES Tx/Rx CROSSOVER
- EXISTING FIBER PATCH CABLES
- CAT 5E CABLE
- OUTDOOR CAT 5E CABLE

INTERCONNECT CABLE

- 288 STRAND SMF CABLE
- 144 STRAND SMF CABLE
- COLUMBUS FIBERNET SMF CABLE
- CITYNET SMF CABLE
- D.O.T. SMF CABLE

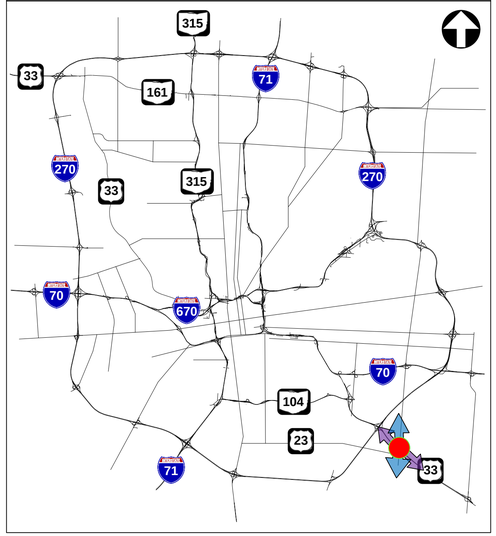
FIBER SPLICING (DARK/LIGHT – PROPOSED/EXISTING)

- FUSION SPLICE – 12 FIBER BUFFER TUBE
- FUSION SPLICE – PARTIAL BUFFER TUBE
- FUSION SPLICE – SINGLE FIBER
- COILED FIBER OR BUFFER TUBE
- # - # SWITCH # - PORT #

EQUIPMENT AND TERMINATION CABINET

- LH ZX — GBIC OPTICAL TRANSCEIVER; LH - SHORT HAUL; ZX – LONG HAUL
- 8P8C CONNECTOR
- EMPTY SFP MODULE BAY
- LC TERMINATION – SINGLE FIBER
- TERMINATION PANEL; UPC (Blue)/APC (Green)
- WIRELESS ETHERNET RADIO

KEY PLAN



DRAFT REVISION 12.0

COMMUNICATION NODE 033132.2

REFER TO SHEET 412 FOR CONSTRUCTION PLAN DETAILS
REFER TO SHEET 479 FOR COMM OVERVIEW DETAILS

CIP: 540007 – 100060
PID NUMBER: 110521

PROPOSED COMMUNICATION NODE# 033132.2: HAMILTON RD. AT US-33
FIBER OPTIC SPLICING DIAGRAM

CITY OF COLUMBUS TRAFFIC SIGNAL SYSTEM
(CTSS) PHASE F – FINAL SUBMITTAL

727A
768

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