

***LAK-90-8.77 VSL SIGNS***  
***CITIES OF WILLOUGHBY, MENTOR, KIRTLAND  
HILLS, AND CONCORD TOWNSHIP  
LAKE COUNTY***

|                                  |             |
|----------------------------------|-------------|
| TITLE SHEET                      | P.1         |
| LOCATION MAP/SCHEMATIC PLAN      | P.2         |
| COMMUNICATION PLAN               | P.3 - P.5   |
| TYPICAL SECTIONS                 | P.6         |
| GENERAL NOTES                    | P.7 - P.10  |
| MAINTENANCE OF TRAFFIC           | P.11        |
| GENERAL SUMMARY                  | P.12- P.13  |
| SUBSUMMARIES                     | P.14- P.31  |
| VSL SIGNS SITE PLANS             | P.32- P.40  |
| MISCELLANEOUS DETAILS            | P.41- P.46  |
| INTERCONNECT SUBSUMMARY          | P.47- P.48  |
| INTERCONNECT PLAN SHEETS         | P.49- P.60  |
| GEOTECHNICAL PROFILE - STRUCTURE | P.61 - P.66 |

  
Pamela Boratyn  
Director, Department of Transportation

|                     |             |
|---------------------|-------------|
| DESIGN AGENCY       |             |
| <b>AECOM</b>        |             |
| DESIGNER            |             |
| <b>HMP</b>          |             |
| REVIEWER            |             |
| <b>MAW 10-23-25</b> |             |
| PROJECT ID          |             |
| <b>122092</b>       |             |
| SHEET               | TOTAL       |
| <b>P.1</b>          | <b>P.66</b> |

|                                   |       |              |
|-----------------------------------|-------|--------------|
| <b>DESIGN DESIGNATION</b>         |       | <i>IR 90</i> |
| CURRENT ADT (2027)                | ----- | 65,000       |
| DESIGN YEAR ADT (2047)            | ----- | 67,000       |
| DESIGN HOURLY VOLUME (2047)       | ----- | 6,700        |
| DIRECTIONAL DISTRIBUTION          | ----- | 0.59         |
| TRUCKS (24 HOUR B&C)              | ----- | 11%          |
| DESIGN SPEED                      | ----- | 70 MPH       |
| LEGAL SPEED                       | ----- | 65 MPH       |
| DESIGN FUNCTIONAL CLASSIFICATION: |       |              |
| PRINCIPAL ARTERIAL INTERSTATE     |       |              |
| NHS PROJECT                       | ----- | YES          |

|                                                                                                                                     |
|-------------------------------------------------------------------------------------------------------------------------------------|
| <p><b>UNDERGROUND UTILITIES</b></p> <p>Contact Two Working Days<br/>Before You Dig</p>                                              |
|  <p><b>OHIO811.org</b></p> <p>Before You Dig</p> |
| <p><b>OHIO811, 8-1-1, or 1-800-362-2764</b></p> <p>(Non members must be called directly)</p>                                        |

**AECOM**

1300 E. 9TH STREET, SUITE 500 CLEVELAND, OHIO 44114  
(216) 622-2300

[illegible]

Digitally signed by Woodring, Mike  
 DN: cn=Woodring, Mike, ou=Engineer, ou=ASCE, c=US  
 DN: cn=DCAccredited, dc=asce, ou=2009, o=American Society of Civil Engineers

**Woodring, Mike**

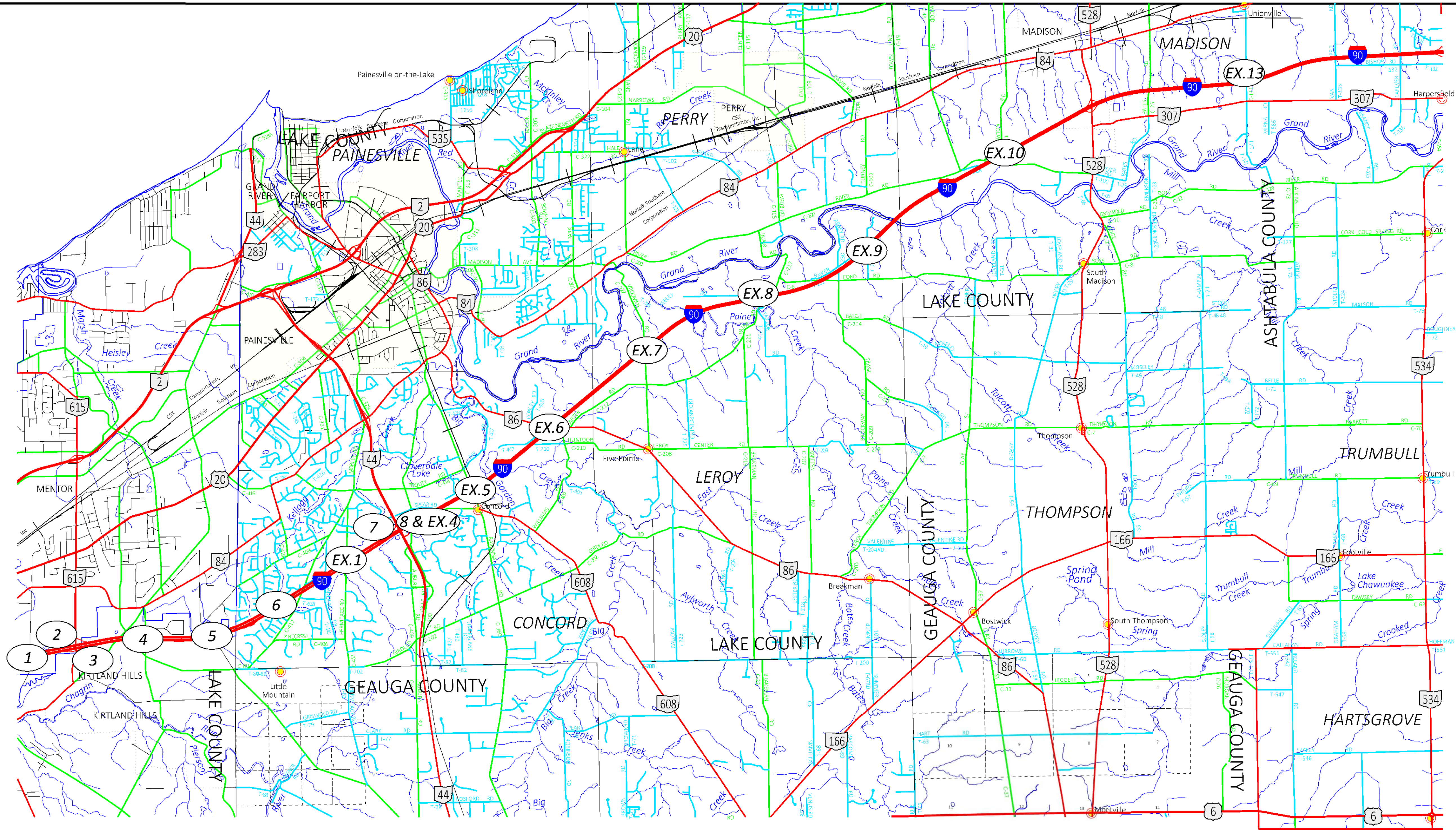
Woodring, Mike

MODEL: Sheet PAPER SIZE: 34x22 (in.) DATE: 1/7/2026 TIME: 3:17:13 PM USER: PetersonH  
 www:\hohido\pw-bentley.com\hohido\pw-02\Documents\01 Active Projects\District 12\Lake122092401-Engineering\_AECOM\Roadway\Sheets\20202\_GT001.dgn



| Site # | Sheet # | ODOT District | County | Location                   | Mile Marker | Latitude    | Longitude   |
|--------|---------|---------------|--------|----------------------------|-------------|-------------|-------------|
| 1      | P.33    | 12            | LAKE   | I-90 AT GARFIELD ROAD      | 194.8       | N 41.644444 | W 81.353194 |
| 2      | P.34    |               |        | SR 615 WB ON RAMP TO I-90  | N/A         | N 41.647139 | W 81.342389 |
| 3      | P.35    |               |        | SR 615 EB ON RAMP TO I-90  | N/A         | N 41.645639 | W 81.339306 |
| 4      | P.36    |               |        | I-90 AT HART ROAD          | 196.5       | N 41.647833 | W 81.320222 |
| 5      | P.37    |               |        | I-90 AT KING MEMORIAL ROAD | 197.5       | N 41.648306 | W 81.301000 |
| 6      | P.38    |               |        | I-90 AT LAKE REST AREA     | 198.6       | N 41.654389 | W 81.282694 |
| 7      | P.39    |               |        | SR 44 WB ON RAMP TO I-90   | N/A         | N 41.669917 | W 81.249250 |

| Site #   | Sheet #   | ODOT District | County | Location                      | Mile Marker | Latitude    | Longitude   |
|----------|-----------|---------------|--------|-------------------------------|-------------|-------------|-------------|
| EX.1     | P.3       | 12            | LAKE   | I-90 AT HERMITAGE RD          | 199.8       | N 41.662553 | W 81.263731 |
| 8 & EX.4 | P.40,P.43 |               |        | I-90 AT AUBURN ROAD           | 201.0       | N 41.671564 | W 81.243458 |
| EX.5     | P.43      |               |        | I-90 AT RAVENNA ROAD          | 202.0       | N 41.6787   | W 81.226333 |
| EX.6     | P.43      |               |        | I-90 AT PAINESVILLE-WARREN RD | 203.6       | N 41.691697 | W 81.203614 |
| EX.7     | P.43      |               |        | I-90 AT VROOMAN RD            | 205.4       | N 41.708303 | W 81.176369 |
| EX.8     | P.43      |               |        | I-90 AT PAINE RD              | 207.2       | N 41.718931 | W 81.143939 |
| EX.9     | P.43      |               |        | I-90 AT MM 208.8 CROSSOVER    | 208.8       | N 41.728111 | W 81.114331 |
| EX.10    | P.43      |               |        | I-90 AT RIVER RD              | 211.2       | N 41.748519 | W 81.074069 |
| EX.11    | P.43      |               |        | I-90 AT SR 528                | 213.0       | N 41.759353 | W 81.047069 |
| EX.13    | P.5       |               |        | I-90 AT S COUNTY LINE RD      | 215.3       | N 41.763878 | W 81.00275  |



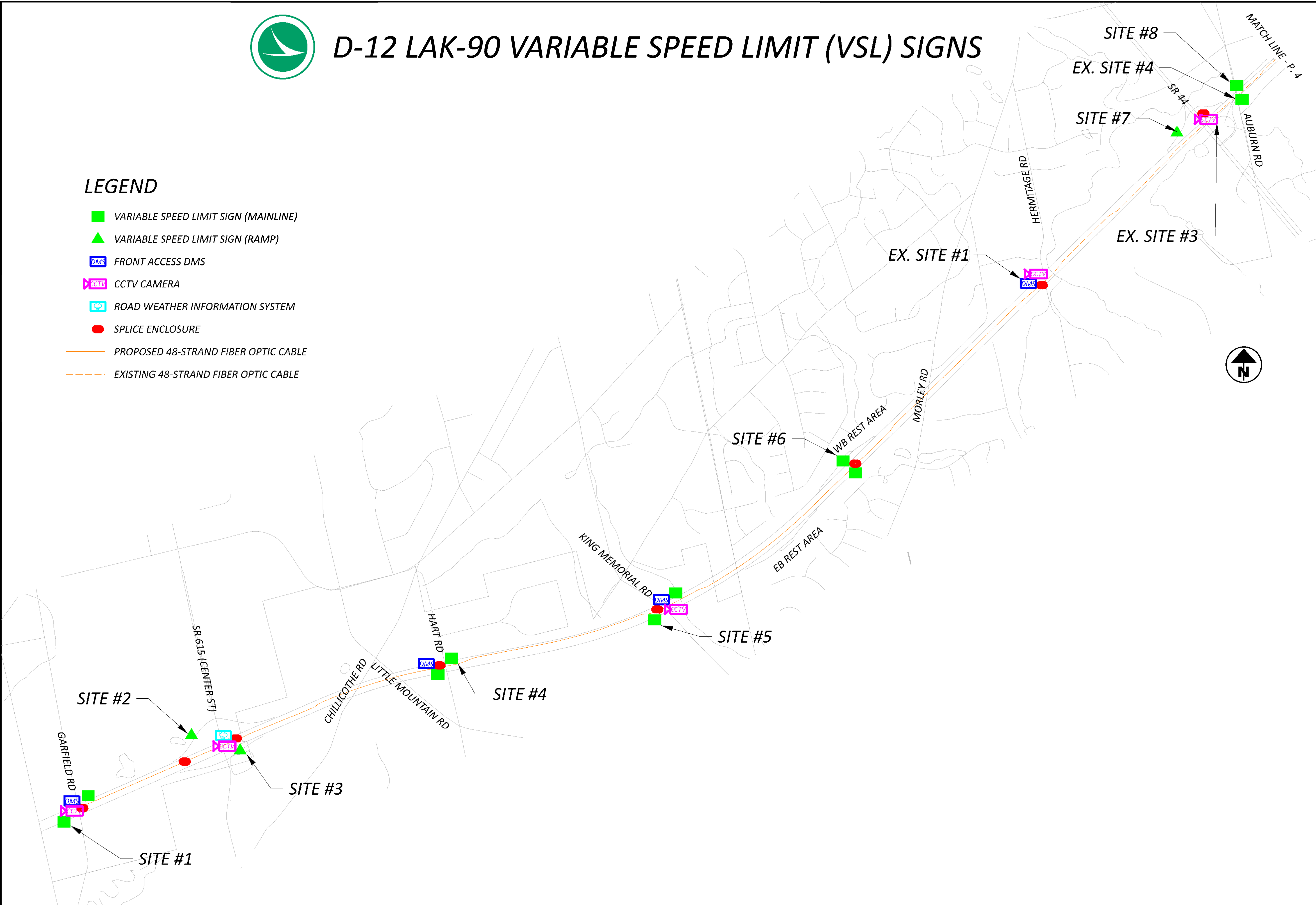




# D-12 LAK-90 VARIABLE SPEED LIMIT (VSL) SIGNS

## LEGEND

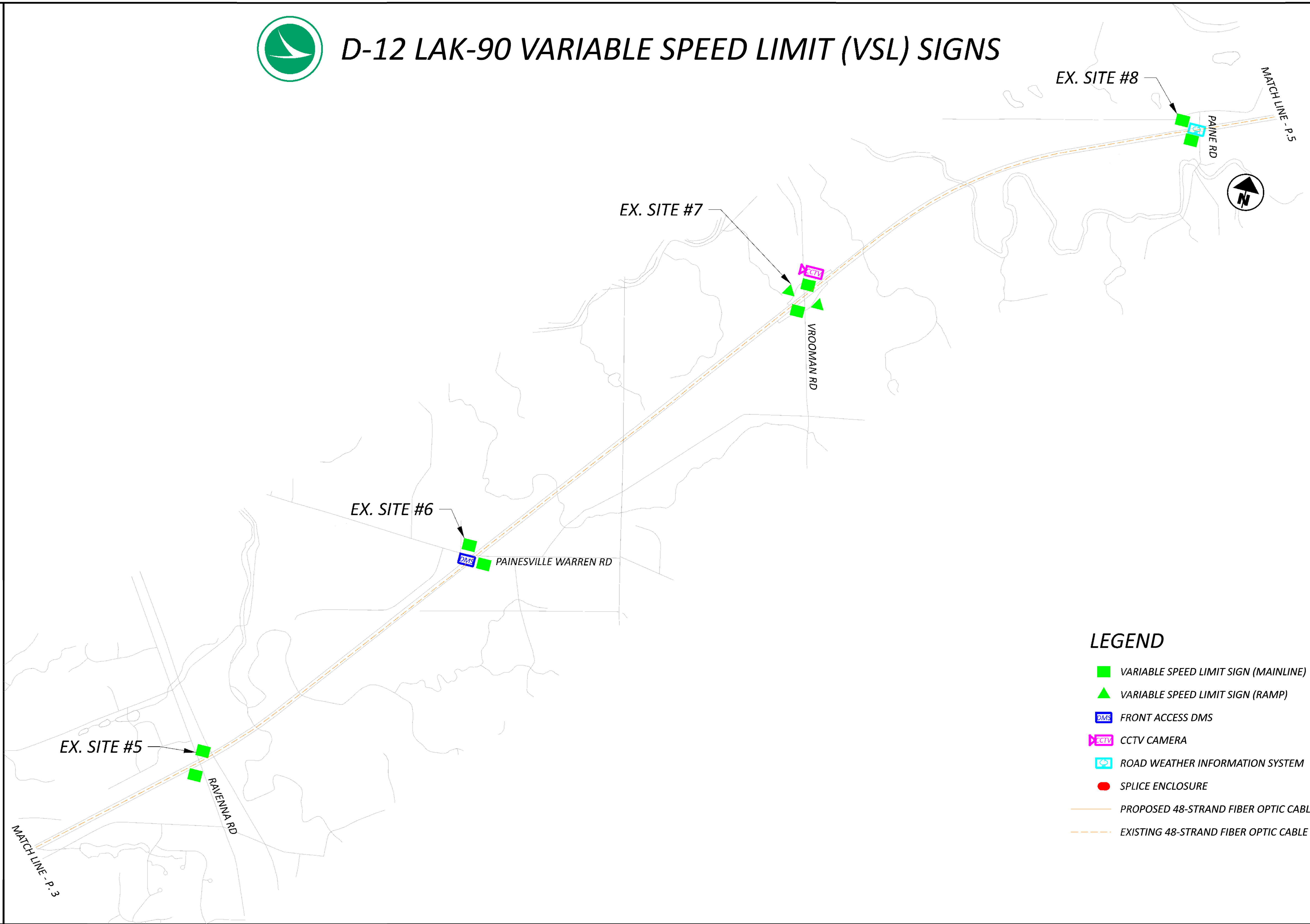
-  VARIABLE SPEED LIMIT SIGN (MAINLINE)
-  VARIABLE SPEED LIMIT SIGN (RAMP)
-  FRONT ACCESS DMS
-  CCTV CAMERA
-  ROAD WEATHER INFORMATION SYSTEM
-  SPLICE ENCLOSURE
-  PROPOSED 48-STRAND FIBER OPTIC CABLE
-  EXISTING 48-STRAND FIBER OPTIC CABLE







# D-12 LAK-90 VARIABLE SPEED LIMIT (VSL) SIGNS



## LEGEND

- VARIABLE SPEED LIMIT SIGN (MAINLINE)
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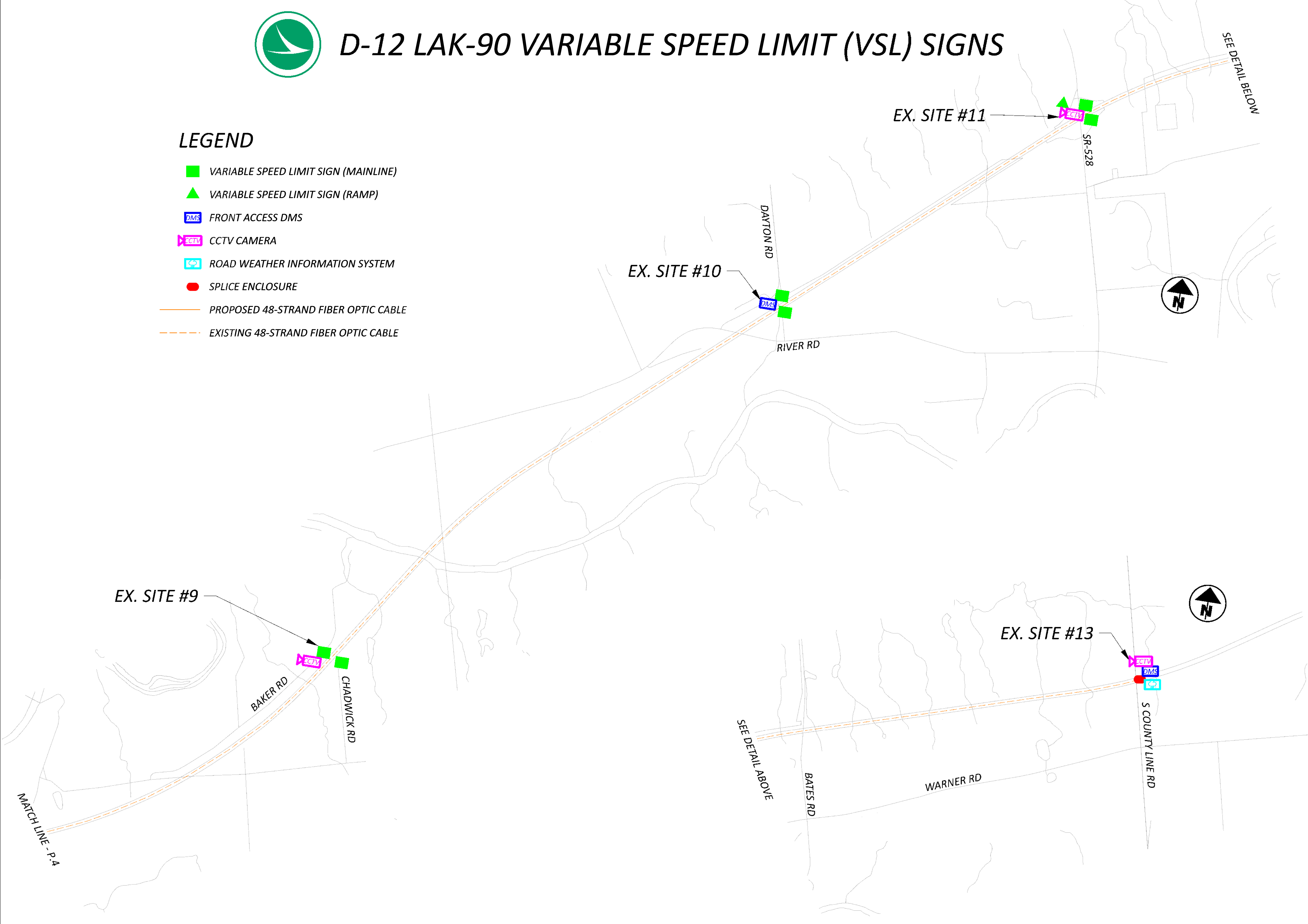




# D-12 LAK-90 VARIABLE SPEED LIMIT (VSL) SIGNS

## LEGEND

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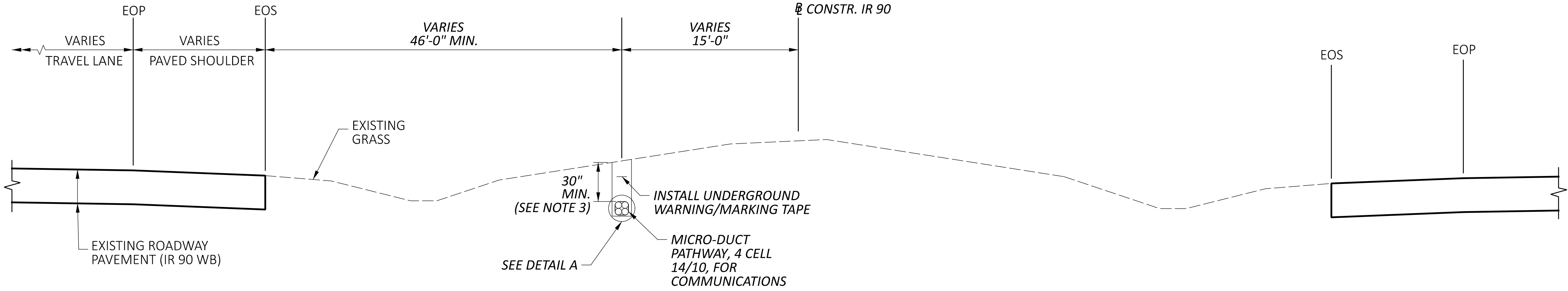


|               |            |
|---------------|------------|
| DESIGN AGENCY |            |
| AECOM         |            |
| DESIGNER      | HMP        |
| REVIEWER      | MAW        |
| PROJECT ID    | 10-23-25   |
| SHEET         | 122092     |
| P.5           | TOTAL P.66 |

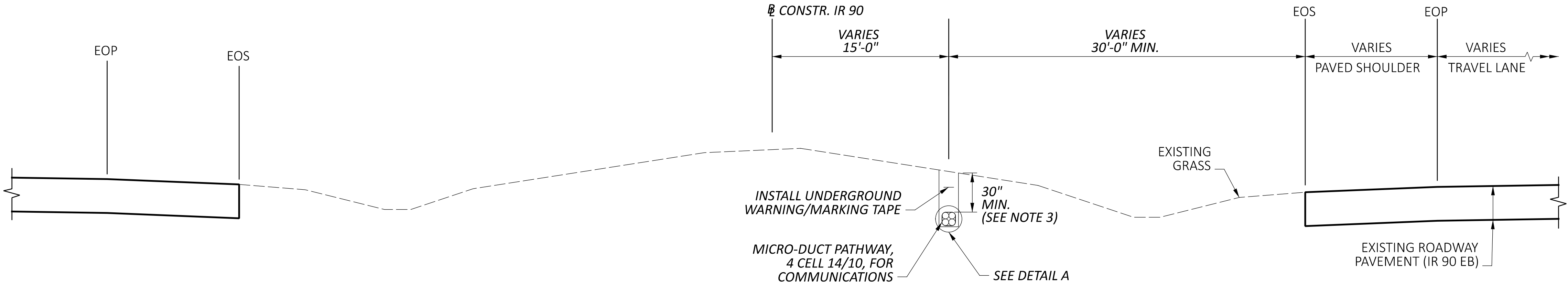


NOTES:

1. TYPICAL SECTIONS ARE NOT REPRESENTATIVE OF CULVERT PIPE AND ROADWAY CROSSINGS, AND OTHER NON-TYPICAL LOCATIONS.
2. MICRO-DUCT PATHWAY AND 48 STRAND FIBER SHALL MEET MATERIAL AND INSTALLATION SPECIFICATIONS PER SUPPLEMENTAL SPECS 804 AND 904.
3. PLEASE BE AWARE THAT THERE ARE FUTURE CHANGES ASSOCIATED WITH THE UPCOMING LAK-90-6.99 PID 116955 PROJECT THAT WILL RESULT IN A CHANGE IN THE GROUND DEPTH DUE TO THE FUTURE CROSSOVER AND MEDIAN U-TURN. PLEASE PAY SPECIAL ATTENTION TO THE PROPOSED DEPTH OF BURY CALLOUTS THROUGHOUT THIS PLAN SET.

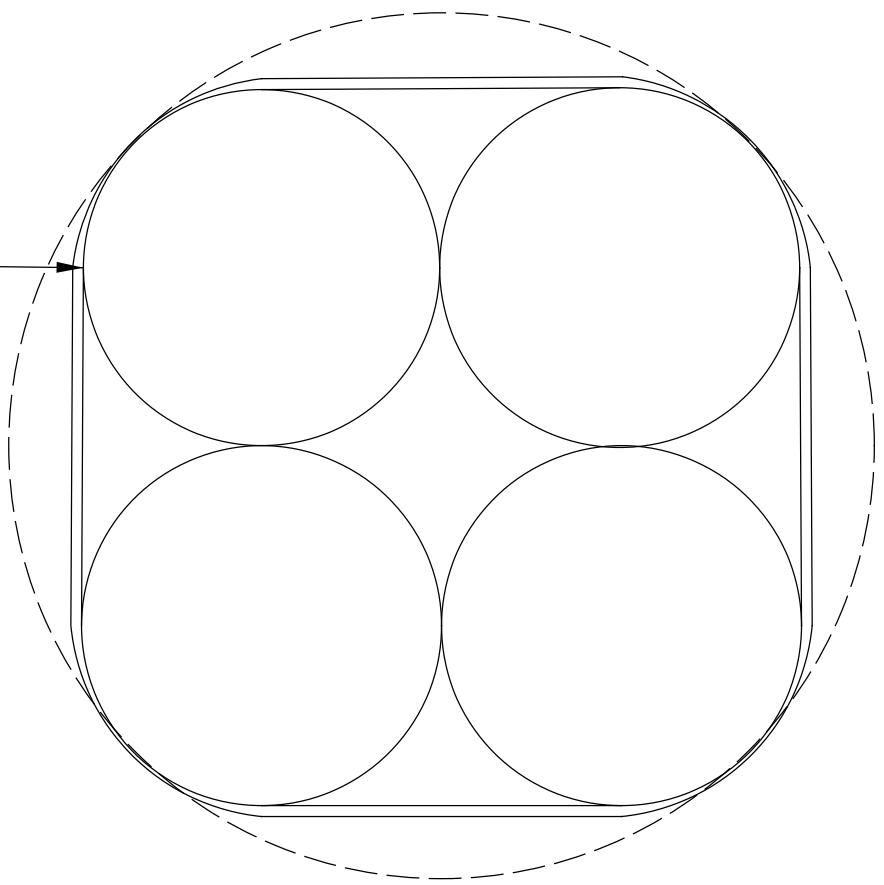


IR 90 - TYPICAL SECTION - PLOWING/TRENCHING (LEFT)



IR 90 - TYPICAL SECTION - PLOWING/TRENCHING (RIGHT)

48 STRAND FIBER SHALL BE  
INSTALLED IN 4 CELL, 14/10,  
MICRO-DUCT PATHWAY.



DETAIL A



GENERAL

ROUNDING

THE ROUNDING AT SLOPE BREAKPOINTS SHOWN ON THE TYPICAL SECTIONS APPLIES TO ALL CROSS-SECTIONS, EVEN THOUGH OTHERWISE SHOWN.

UTILITIES

LISTED BELOW ARE ALL UTILITIES LOCATED WITHIN THE PROJECT CONSTRUCTION LIMITS TOGETHER WITH THEIR RESPECTIVE OWNERS:

COMMUNICATION/TELEPHONE  
AT&T  
13630 LORAIN AVENUE,  
2ND FLOOR  
CLEVELAND, OHIO 44111  
ATTN.: JAMES JANIS  
PHONE: 216-534-7285  
FAX: 216-476-6013  
pj8191@att.com

EVERSTREAM  
1228 EUCLID AVENUE, SUITE 250  
CLEVELAND, OHIO 44115  
ATTN.: GIO REILLO  
OFFICE: 216-905-0780  
greillo@everstream.net

MCI (VERIZON)  
12300 RIDGE ROAD  
NORTH ROYALTON, OHIO 44133  
ATTN.: DAVID M. GROSS  
PHONE: 216-347-7661  
vzfiber-northernohio@verizon.com  
david.gross1@verizon.com

CABLE  
CHARTER COMMUNICATIONS/  
SPECTRUM  
7820 DIVISION DRIVE  
MENTOR, OHIO 44060  
ATTN.: EMIL SYMISTER  
OFFICE: 216-575-8016 OPT. 1  
EXT. 12165551158  
CELL: 440-343-1530  
Emil.Symister@charter.com

GAS  
DOMINION ENERGY ENBRIDGE  
RELOCATION DEPARTMENT  
320 SPRINGSIDE DRIVE  
AKRON, OHIO 44333  
ATTN.: ED GOUBEAUX  
PHONE: 330-664-2494  
PHONE: 330-664-2409  
relocation@dominionenergy.com  
Kyle.J.McCall@dominionenergy.com

DOMINION ENERGY TRANSMISSION  
320 SPRINGSIDE DRIVE, SUITE 320  
AKRON, OHIO 44333  
ATTN.: BRYAN D. DAYTON  
PHONE: 330-664-2409  
relocation@dominionenergy.com

NORTHEAST OHIO NATURAL GAS  
8470 STATION STREET  
MENTOR, OHIO 44060  
ATTN.: TIM REILLY  
OFFICE: 440-701-5115  
CELL: 440-728-0575  
FAX: 440-205-8669  
treilly@egas.net

9081 STATE ROUTE 250  
STRASBURG, OH 44680  
ATTN.: MARK WETZEL  
OFFICE: 330-878-4303  
EMERGENCY: 800-848-5589  
FAX: 330-878-5614  
CELL: 330-204-3008  
mwetzel@egas.net

WATER  
AQUA OHIO  
8644 STATION STREET  
MENTOR, OHIO 44060-4316  
ATTN.: BILL BOWERS  
OFFICE: 440-255-7280 EXT. 50611  
CELL: 216-905-8362  
wmbowers@aquaamerica.com

ALSO ATTN: JAMES WATSON  
OFFICE: 440-255-3984 EXT. 50614  
JAWatson@aquaamerica.com

ELECTRIC  
ILLUMINATING CO (FIRST ENERGY)  
6896 MILLER ROAD  
BRECKSVILLE, OHIO 44141  
ATTN.: JOHN ZASSICK  
PHONE: 440-546-8706  
jmzassick@firstenergycorp.com

LAKE COUNTY  
LAKE COUNTY DEPARTMENT  
OF UTILITIES  
ADMINISTRATION BUILDING  
105 MAIN STREET  
PAINESVILLE, OHIO 44077

DEPUTY SANITARY ENGINEER  
ATTN.: SARAH A. CEROVSKI  
PHONE: 440-350-2652  
FAX: 440-350-5784  
sarah.cerovski@lakecountyyohio.gov

LAKE COUNTY WATER  
LAKE COUNTY WATER  
ADMINISTRATION BUILDING  
105 MAIN STREET  
PAINESVILLE, OHIO 44077

DEPUTY SANITARY ENGINEER  
ATTN.: SARAH A. CEROVSKI  
PHONE: 440-350-2652  
FAX: 440-350-5784  
sarah.cerovski@lakecountyyohio.gov

LAKE COUNTY  
CONCORD TOWNSHIP  
7229 RAVENNA ROAD  
CONCORD TWP, OHIO 44077  
ATTN.: ANDY ROSE  
PHONE: 440-354-7513  
arose@concordtwp.com

CITY OF WILLOUGHBY  
CITY OF WILLOUGHBY (SERVICES - SEWER & TRAFFIC)  
ONE PUBLIC SQUARE  
WILLOUGHBY, OHIO 44094  
ATTN.: RICK PALMISANO  
OFFICE: 440-953-4308  
CELL: 440-221-8732  
rpalmisano@willoughbyohio.com

CITY OF KIRTLAND  
CITY OF KIRTLAND  
9301 CHILLICOTHE ROAD  
KIRTLAND, OHIO 44094  
ATTN.: DOUGLAS G. COURTNEY, P.E., CITY ENGINEER  
OFFICE: 440-449-4005 EXT. 5745  
dcourtney@cwccourtney.com

ODOT DISTRICT 12  
ODOT DISTRICT 12 (TRAFFIC)  
5500 TRANSPOSTATION BOULEVARD  
GARFIELD HEIGHTS, OHIO 44125  
PHONE: 216-584-2296

ODOT CENTRAL OFFICE  
ODOT CO ITS  
1606 W BROAD ST  
COLUMBUS, OHIO 43223  
PHONE: 614-387-4113  
CEN.ITS.LAB@DOT.OHIO.GOV

EXISTING BASE MAPPING

THE EXISTING BASE MAP WAS CREATED USING A COMBINATION OF RECORD PLANS, AND SITE -SPECIFIC PHOTOGRAPHS. THE CONTRACTOR SHALL FIELD VERIFY ALL EXISTING FEATURES AND UTILITY LOCATIONS BEFORE AN INSTALLATION IS PERFORMED.

SURVEYING PARAMETERS - OHIO COUNTY COORDINATE SYSTEM (OCCS)

PRIMARY PROJECT CONTROL MONUMENTS GOVERN ALL POSITIONING ON ODOT PROJECTS. SEE SHEETS - OF THE PLANS FOR A TABLE CONTAINING PROJECT CONTROL INFORMATION.

USE THE FOLLOWING PROJECT CONTROL, VERTICAL POSITIONING, AND HORIZONTAL POSITIONING PARAMETERS FOR ALL SURVEYING ON THIS PROJECT:

PROJECT CONTROL POSITIONING METHOD: ODOT REAL TIME NETWORK (2011), STATIC GNSS, AND DIFFERENTIAL LEVELING

MONUMENT TYPE: TYPE A ALONG CORRIDOR AND FOR GEODETIC POINTS

VERTICAL POSITIONING ORTHOMETRIC HEIGHT DATUM: NAVD88  
GEOID: 12A/B 18

HORIZONTAL POSITIONING REFERENCE FRAME: NAD83(2011 ADJ, 2010.0) GRS80  
ELLIPSOID: LAMBERT CONFROMAL CONIC  
MAP PROJECTION: OHIO COUNTY COORDINATE SYSTEM  
COORDINATE SYSTEM: LAKE COUNTY

LDP PROJECTION PARAMETERS: PROJECTION: LLC 1 PARALLEL  
CENTRAL LATITUDE: N 41°48'00"  
CENTRAL LONGITUDE: E 278°45'00"  
FALSE NORTHING: 100,000 METERS  
FALSE EASTING: 50,000 METERS  
PROJECTION SCALE FACTOR: 1.000031

UNITS ARE IN U.S. SURVEY FEET.  
USE THE FOLLOWING CONVERSION FACTOR:  
1 METER = 3.280833333 U.S. SURVEY FEET

USE THE POSITIONING METHODS AND MONUMENT TYPE USED IN THE ORIGINAL SURVEY TO RESTORE ALL MONUMENTS RELATED TO PRIMARY PROJECT CONTROL THAT ARE DAMAGED OR DESTROYED BY CONSTRUCTION ACTIVITIES. RESTORE THE DAMAGED OR DESTROYED MONUMENTS IN ACCORDANCE WITH CMS 623.

BASIS OF BEARINGS:  
BEARINGS ARE BASED ON GRID NORTH OF THE O.D.O.T.  
LOW DISTORTION PROJECTION – LAKE COUNTY

WORK LIMITS

THE WORK LIMITS SHOWN ON THESE PLANS ARE FOR PHYSICAL CONSTRUCTION ONLY. PROVIDE THE INSTALLATION AND OPERATION OF ALL WORK ZONE TRAFFIC CONTROL AND WORK ZONE TRAFFIC CONTROL DEVICES REQUIRED BY THESE PLANS WHETHER INSIDE OR OUTSIDE THESE WORK LIMITS.

ITEM 619, FIELD OFFICE, TYPE B, AS PER PLAN

IN ADDITION TO THE REQUIREMENTS OF CMS 619, THE CONTRACTOR SHALL FURNISH AND SET UP A WI-FI ROUTER MEETING THE REQUIREMENTS OF IEEE 802.11 AC FOR THE EXCLUSIVE USE OF THE DEPARTMENT.

ALL OTHER FIELD OFFICE ITEMS SUPPLIED SHALL MEET THE REQUIREMENTS OF A TYPE B FIELD OFFICE.

ITEM 619 - FIELD OFFICE, TYPE B, AS PER PLAN 9 MONTHS

ROADWAY

PROTECTION OF RIGHT-OF-WAY LANDSCAPING

PRIOR TO BEGINNING WORK, THE CONTRACTOR, THE PROJECT ENGINEER, AND A REPRESENTATIVE OF THE MAINTAINING AGENCY WILL REVIEW AND RECORD ALL LANDSCAPING ITEMS WITHIN THE RIGHT-OF-WAY (BOTH WITHIN AND OUTSIDE THE CONSTRUCTION LIMITS). A RECORD OF THIS REVIEW WILL BE KEPT IN THE PROJECT ENGINEER'S FILES. PRIOR TO FINAL ACCEPTANCE, A FINAL REVIEW OF LANDSCAPING ITEMS WILL BE MADE.

CONSTRUCT ALL ACTIVITIES, EQUIPMENT STORAGE, AND STAGING TO WITHIN THE CONSTRUCTION LIMITS. UNLESS OTHERWISE IDENTIFIED IN THE PLANS OR PROPOSAL, THE CONSTRUCTION LIMITS ARE IDENTIFIED AS 30 FEET FROM THE EDGE OF PAVEMENT.

PROTECTION OF RIGHT-OF-WAY LANDSCAPING (CONT'D)

SUBMIT A WRITTEN REQUEST TO THE PROJECT ENGINEER TO USE ANY AREA OUTSIDE THESE LIMITS. THE DOCUMENT SUBMITTED MUST CLEARLY IDENTIFY THE AREA AND EXPLAIN THE PROPOSED USE AND RESTORATION OF THE AREA. USE OF THESE AREAS FOR DISPOSAL OF WASTE MATERIAL AND CONSTRUCTION DEBRIS, EXCAVATION OF BORROW MATERIAL AND PLACEMENT OF PORTABLE PLANTS IS PROHIBITED. THE REQUEST MUST BE APPROVED, IN WRITING, BEFORE THE CONTRACTOR HAS PERMISSION TO USE THE AREA.

ANY ITEMS DAMAGED BEYOND THE CONSTRUCTION LIMITS, AS DEFINED ABOVE, WILL BE REPLACED IN KIND OR AS APPROVED BY THE PROJECT ENGINEER.

ITEM 201 - CLEARING AND GRUBBING

ALTHOUGH THERE ARE NO TREES OR STUMPS SPECIFICALLY MARKED FOR REMOVAL WITHIN THE LIMITS OF THE PROJECT, A LUMP SUM QUANTITY IS INCLUDED IN THE GENERAL SUMMARY FOR ITEM 201, CLEARING AND GRUBBING. ALL PROVISIONS AS SET FORTH IN THE SPECIFICATIONS UNDER THIS ITEM ARE INCLUDED IN THE LUMP SUM PRICE BID FOR ITEM 201, CLEARING AND GRUBBING.

ITEM 606 - ANCHOR ASSEMBLY, MGS TYPE E

THIS ITEM SHALL CONSIST OF FURNISHING AND INSTALLING ANY OF THE MASH 2016 TYPE E TANGENETIAL END TREATMENTS FOR TYPE MGS GUARDRAIL AS LISTED UNDER "PRODUCTS ACCEPTED FOR NEW INSTALLATIONS" ON THE ROADWAY APPROVED PRODUCTS LIST POSTED ON ROADWAY ENGINEERING'S WEB PAGE. INSTALLATION SHALL BE AT THE LOCATIONS SPECIFIED IN THE PLANS, IN ACCORDANCE WITH THE MANUFACTURER'S SPECIFICATIONS. REFER TO THE POSTED SHOP DRAWINGS FOR THE MOST CURRENT APPROVED PRODUCT MODELS.

REFER TO THE MANUFACTURER'S INSTRUCTIONS REGARDING THE INSTALLATION OF, AND THE GRADING AROUND THE FOUNDATION TUBES AND GROUND STRUT. THE TOP OF ANY FOUNDATION TUBE SHOULD BE LESS THAN 4 INCHES ABOVE THE GROUND. ON-SITE GRADING IS REQUIRED IF THE TOP OF THE FOUNDATION TUBES OR TOP OF THE GROUND STRUT DOES PROJECT MORE THAN 4 INCHES ABOVE THE GROUND LINE. THE PLACEMENT OF THE FOUNDATION TUBES SHOULD BE AN APPROPRIATE DEPTH BELOW THE LEVEL LINE IN ORDER TO MAINTAIN THE FINISHED GUARDRAIL HEIGHT OF 31 INCHES FROM THE EDGE OF THE SHOULDER.

THE FACE OF THE TYPE E IMPACT HEAD SHALL BE COVERED WITH SOLID FLUORESCENT YELLOW REBOUNDABLE RETROREFLECTIVE SHEETING, PER CMS 730.191.

WHEN THE FACE OF THE ADJACENT (ATTACHED) GUARDRAIL IS LESS THAN 4' OFFSET FROM THE PROPOSED EDGE LINE, AND PERMITTING SITE CONDITIONS EXIST: THE PROPOSED TYPE E ANCHOR ASSEMBLY SHALL BE INSTALLED AT A CONSISTENT FLARE RATE THROUGH THE FULL LENGTH OF THE SYSTEM. THE FLARE RATE SHALL BE A MAXIMUM OF 25:1 (RESULTING IN A 2' OFFSET). THE INSTALLATION SHALL BE IN ACCORDANCE WITH THE SHOP DRAWINGS, PRODUCT INSTALLATION MANUAL/GUIDANCE, AND AS DIRECTED BY THE ENGINEER.

PAYMENT FOR THE ABOVE WORK SHALL BE MADE AT THE UNIT PRICE BID FOR ITEM 606, ANCHOR ASSEMBLY, MGS TYPE E, EACH, AND SHALL INCLUDE ALL LABOR, TOOLS, EQUIPMENT AND MATERIALS NECESSARY TO CONSTRUCT A COMPLETE AND FUNCTIONAL ANCHOR ASSEMBLY SYSTEM, INCLUDING ALL RELATED TRANSITIONS, REFLECTIVE SHEETING, HARDWARE, GRADING, EMBANKMENT AND EXCAVATION NOT SEPARATELY SPECIFIED, AS REQUIRED BY THE MANUFACTURER.

DESIGN AGENCY

AECOM

DESIGNER

SMS

REVIEWER

MAW 10-23-25

PROJECT ID

122092

SHEET

TOTAL

P.7

P.66



ROADWAY (CONTINUED)

CONNECTION BETWEEN EXISTING AND PROPOSED GUARDRAIL

WHEN IT IS NECESSARY TO SPLICE PROPOSED GUARDRAIL TO EXISTING GUARDRAIL, ONLY THE EXISTING GUARDRAIL SHALL BE CUT, DRILLED, OR PUNCHED. THE CONNECTION SHALL BE MADE USING A W-BEAM, BEAM SPLICE AS SHOWN IN AASHTO M 180, EXCEPT THE BEAM WASHERS ARE NOT TO BE USED. PAYMENT SHALL BE INCLUDED IN THE CONTRACT PRICE FOR THE RESPECTIVE GUARDRAIL ITEMS.

PAVING UNDER GUARDRAIL

THIS OPERATION SHALL INCLUDE PREPARATION OF THE GRADED SHOULDER USING ITEM 209, LINEAR GRADING, AS PER PLAN AND PAVING UNDER THE GUARDRAIL USING 441 ASPHALT CONCRETE INTERMEDIATE COURSE, TYPE 1, (448), UNDER GUARDRAIL, AS PER PLAN.

ITEM 209, LINEAR GRADING, AS PER PLAN SHALL CONSIST OF EXCAVATING TOPSOIL, AND PLACING GRANULAR MATERIAL.

ALL COLLECTED DEBRIS AND TOPSOIL, INCLUDING RHIZOMES, ROOTS AND OTHER VEGETATIVE PLANT MATERIAL SHALL BE REMOVED AND DISPOSED OF AS SPECIFIED IN 105.17. THE REMOVED MATERIAL SHALL BE REPLACED WITH COMPACTABLE GRANULAR MATERIAL CONFORMING TO 703.16 PLACED TO GRADE AS DETAILED ON THE TYPICAL SECTION OR AS APPROVED BY THE ENGINEER.

ALL EQUIPMENT, MATERIALS AND LABOR REQUIRED TO PERFORM THE WORK OUTLINED ABOVE SHALL BE INCLUDED FOR PAYMENT UNDER ITEM 209, LINEAR GRADING, AS PER PLAN.

PAVING UNDER GUARDRAIL SHALL CONSIST OF PLACING ITEM 441 TO THE DEPTH SPECIFIED USING ONE OF THE FOLLOWING METHODS:

METHOD A:

- 1. SET GUARDRAIL POSTS
- 2. PLACE ITEM 441

METHOD B:

- 1. PLACE ITEM 441
- 2. BORE ASPHALT AT POST LOCATIONS (MAY BE OMITTED IF STEEL POSTS ARE USED)
- 3. SET GUARDRAIL POSTS
- 4. PATCH AROUND POSTS. THE MATERIALS USED FOR PATCHING SHALL BE AN ASPHALT CONCRETE APPROVED BY THE ENGINEER. PATCHED AREAS SHALL BE COMPACTED USING EITHER HAND OR MECHANICAL METHODS. FINISHED SURFACES SHALL BE SMOOTH AND SLOPED TO DRAIN AWAY FROM THE POSTS.

ALL EQUIPMENT, MATERIALS AND LABOR REQUIRED TO PERFORM THE WORK OUTLINED ABOVE, WITH THE EXCEPTION OF SETTING GUARDRAIL POSTS, SHALL BE INCLUDED FOR PAYMENT UNDER ITEM 441, ASPHALT CONCRETE, INTERMEDIATE COURSE, TYPE 1 (448), UNDER GUARDRAIL, AS PER PLAN.

EROSION CONTROL

SEEDING AND MULCHING

THE FOLLOWING QUANTITIES ARE PROVIDED TO PROMOTE GROWTH AND CARE OF PERMANENT SEEDED AREAS:

|                                  |            |
|----------------------------------|------------|
| 659, SOIL ANALYSIS TEST          | 2 EACH     |
| 659, TOPSOIL                     | 477 CY     |
| 659, SEEDING AND MULCHING        | 4500 SY    |
| 659, REPAIR SEEDING AND MULCHING | 230 SY     |
| 659, INTER-SEEDING               | 230 SY     |
| 659, COMMERCIAL FERTILIZER       | 0.63 TON   |
| 659, LIME                        | 0.93 ACRES |
| 659, WATER                       | 25 MGAL    |
| 659, MOWING                      | 10 MSF     |

SEEDING AND MULCHING SHALL BE APPLIED TO ALL AREAS OF EXPOSED SOIL BETWEEN THE RIGHT-OF-WAY LINES, AND WITHIN THE CONSTRUCTION LIMITS FOR AREAS OUTSIDE THE RIGHT-OF-WAY LINES COVERED BY WORK AGREEMENT OR SLOPE EASEMENT. QUANTITY CALCULATIONS FOR SEEDING AND MULCHING ARE BASED ON THESE LIMITS.

ITEM 832 - EROSION CONTROL

THE FOLLOWING QUANTITY HAS BEEN PROVIDED FOR EROSION CONTROL IN ACCORDANCE WITH THE REQUIREMENTS OF ODOT SUPPLEMENTAL SPECIFICATION 832 AND HAS BEEN CARRIED TO THE GENERAL SUMMARY:

|                            |             |
|----------------------------|-------------|
| ITEM 832 - EROSION CONTROL | 35,000 EACH |
|----------------------------|-------------|

TRAFFIC SIGNALS

ITEM 625 - PULL BOX, MISC.: CORE DRILL FOR MICRO-DUCT, 4 CELL <sup>1</sup>/<sub>10</sub> PATHWAY

THE CONTRACTOR SHALL CORE DRILL INTO THE EXISTING PULL BOX AND TIE IN THE PROPOSED FIBER OPTIC LINE.

PAYMENT FOR ALL OF THE ABOVE WORK SHALL BE INCIDENTAL TO THE UNIT BID PRICE AND SHALL INCLUDE ALL LABOR, MATERIALS, AND EQUIPMENT NECESSARY TO CONSTRUCT THE ITEM.

ITEM 633 - CONTROLLER WORK PAD, AS PER PLAN

THE CONTRACTOR SHALL INSTALL A 5'X5' WORK PAD ADJACENT TO THE MOW PAD OF THE 32" PULL BOX AT EACH VARIABLE SPEED LIMIT (VSL) SIGN PER C&MS 633.13. IN GENERAL, THE 32" PULL BOX AND WORK PAD SHALL BE PLACED BEHIND THE VSL TO ALLOW FOR MAINTENANCE ACCESS. THE CONTRACTOR SHALL GRADE THE SURROUNDING AREA SLIGHTLY IN ORDER TO INSTALL A LEVEL WORK PAD AND RESTORE SITE CONDITIONS AS APPROVED BY THE PROJECT ENGINEER.

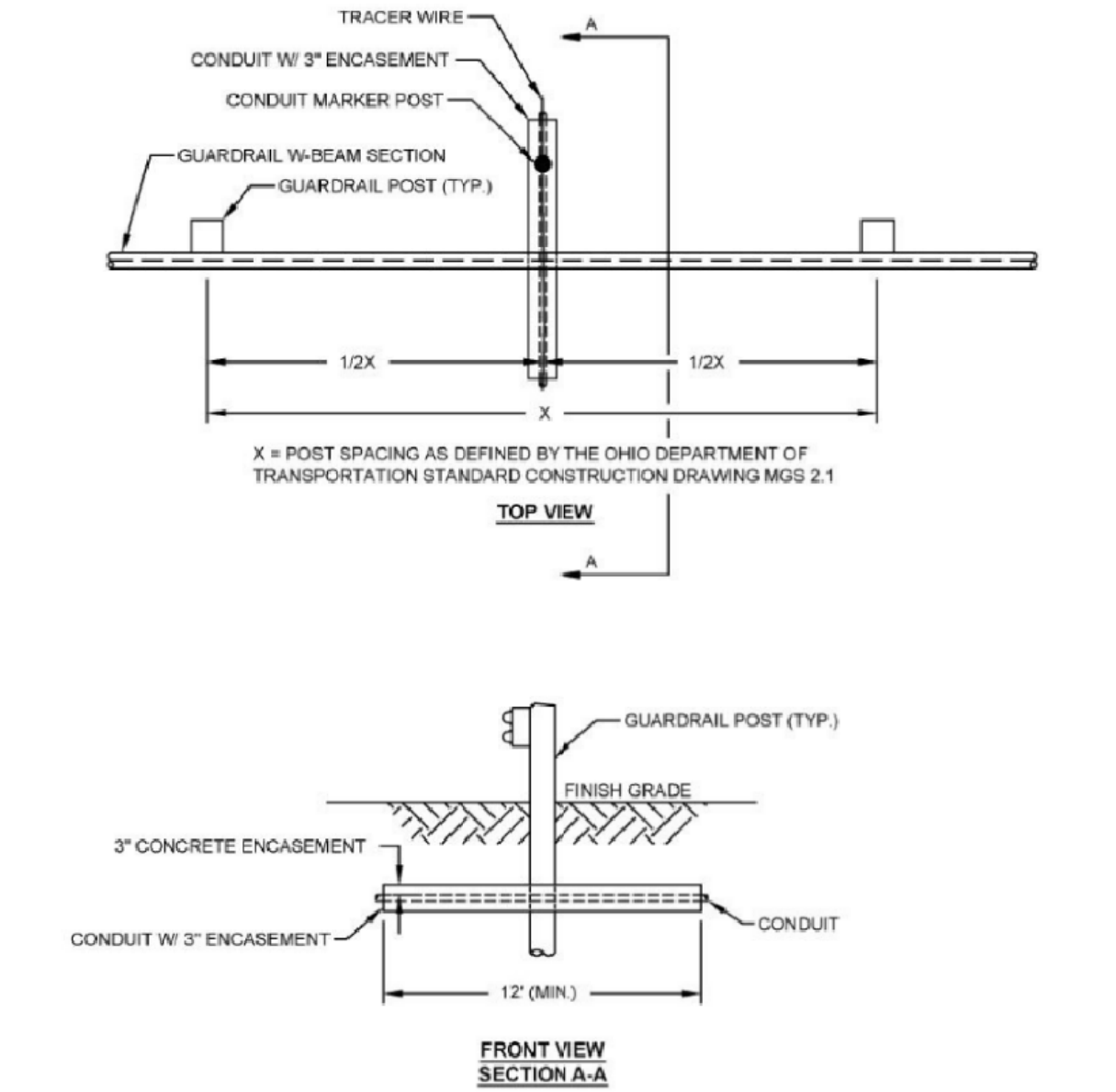
PAYMENT FOR ALL OF THE ABOVE WORK SHALL BE INCIDENTAL TO THE UNIT BID PRICE FOR ITEM 633 - CONTROLLER WORK PAD, AS PER PLAN AND SHALL INCLUDE ALL LABOR, MATERIALS, AND EQUIPMENT NECESSARY TO CONSTRUCT THE ITEM.

TRAFFIC CONTROL

MICRO-DUCT PATHWAY CONCRETE ENCASEMENT UNDER EXISTING GUARDRAIL

ANY DUCT THAT IS WITHIN 6' OF EXISTING GUARDRAIL SHALL BE TRENCHED AND ENCASED WITH CONCRETE.

NO DUCT SHALL CROSS UNDERNEATH GUARDRAIL AT ANY POINT WITHIN THE PROJECT WITHOUT PRIOR APPROVAL FROM THE ENGINEER.



MAINTAINING ITS DURING CONSTRUCTION

THE CONTRACTOR SHALL MAINTAIN ALL PREEXISTING OR NEWLY INSTALLED PERMANENT ITS/TRAFFIC DEVICES AND INFRASTRUCTURE DURING CONSTRUCTION ACCORDING TO ODOT SUPPLEMENTAL SPECIFICATION 809.

TRENCH IN PAVED AREAS - JACKING AND BORING

WHEN CIRCUITS REQUIRE CROSSING UNDER EXISTING RAMP, MAINLINE OR ARTERIAL PAVEMENT OPEN TO TRAFFIC, STEEL CONDUIT (3-INCH DIAMETER) IS OFTEN JACKED OR BORED UNDER THE PAVEMENT TO MINIMIZE DISRUPTION TO TRAFFIC AND THE PAVEMENT ITSELF. PUSH PITS MUST BE DUG BEHIND GUARDRAIL OR BEYOND THE BACK OF THE PAVED BERM, AS SHOWN ON TRAFFIC SCD HL-30.22. CONCRETE PULL BOXES ARE USUALLY INSTALLED AT THE ENDS OF THE JACKED CONDUIT FOR CABLE SPLICING PURPOSES.



TRAFFIC CONTROL (CONTINUED)

SLACK CABLES - ITS

AS PER SS-809, INSTALL CABLE AS SHOWN IN THE PLANS, OR AS DIRECTED BY THE ENGINEER, LEAVING 10 FT OF SLACK FOR ETHERNET CABLE, OUTDOOR-RATED, IN EACH PULL BOX.

SLACK CABLES - FIBER OPTIC

AS PER SS-804, IN UNDERGROUND INSTALLATIONS, COIL 150 FT OF FIBER SLACK IN EACH 48 IN OR 32 IN PULL BOX. THE SLACK COIL SHOULD BE EASILY REMOVED FROM THE PULL BOX AND NOT HAVE OTHER CABLES PASSING THROUGH THE COIL. IF THE ENGINEER DETERMINES THE SLACK IS NOT STORED PROPERLY, REMOVE AND REINSTALL THE FIBER, OTHER CABLES, OR BOTH IN CONFLICT TO THE SATISFACTION OF THE ENGINEER AT NO COST TO THE DEPARTMENT. NOTIFY THE ENGINEER IF THIS AMOUNT OF SLACK IS NOT CAPABLE OF BEING STORED AND THE ENGINEER WILL PROVIDE DIRECTION.

CCTV INSTALLATIONS

THE CONTRACTOR SHALL FURNISH AND INSTALL THIS ITEM ACCORDING TO ODOT SUPPLEMENTAL SPECIFICATION 809, AS WELL AS ANY STANDARD CONSTRUCTION DRAWINGS NOTED ON THE PLANS.

UNDERGROUND WARNING/MARKING TAPE

THE CONTRACTOR SHALL FURNISH AND INSTALL THIS ITEM ACCORDING TO CMS 725.22.

COMMUNICATION CABLE MARKER

THE CONTRACTOR SHALL FURNISH AND INSTALL THIS ITEM ACCORDING TO ODOT SUPPLEMENTAL SPECIFICATIONS 809.

DYNAMIC MESSAGE SIGN INSTALLATIONS

THE CONTRACTOR SHALL FURNISH AND INSTALL THIS ITEM ACCORDING TO ODOT SUPPLEMENTAL SPECIFICATION 809, AS WELL AS ANY STANDARD CONSTRUCTION DRAWINGS NOTED ON THE PLANS.

DMS & DDMS SUPPORT STRUCTURES

THE CONTRACTOR SHALL FURNISH AND INSTALL THIS ITEM ACCORDING TO ODOT SUPPLEMENTAL SPECIFICATION 809, AS WELL AS ANY STANDARD CONSTRUCTION DRAWINGS NOTED ON THE PLANS.

THE CONTRACTOR SHALL FURNISH SHOP DRAWINGS TO THE PROJECT ENGINEER FOR APPROVAL. THE DRAWINGS SHALL BE STAMPED BY A PROFESSIONAL ENGINEER FROM THE MANUFACTURER. THE ITEM SHALL NOT BE RELEASED FOR CONSTRUCTION UNTIL APPROVED BY THE OFFICE OF TRAFFIC OPERATIONS.

TRACER WIRE

THE CONTRACTOR SHALL FURNISH AND INSTALL THIS ITEM ACCORDING TO ODOT SUPPLEMENTAL SPECIFICATION 809, THE MANUFACTURER'S RECOMMENDATIONS, AS WELL AS ANY STANDARD CONSTRUCTION DRAWINGS NOTED ON THE PLANS. THE CONTRACTOR SHALL INSTALL TRACER WIRE WITH THE INNERDUCT IN ALL CONDUIT RACEWAYS EXCLUDING THOSE IN THE MEDIAN CONCRETE BARRIER. APPROXIMATELY 20 FT OF SLACK OF THE TRACER WIRE SHALL BE LEFT INSIDE THE PULL BOXES.

ITEM 809E25000: CONDUIT, MULTICELL, MISC.: 4",  
ITEM 809E24000: CONDUIT, MULTICELL, MISC.: 4", JACKED OR DRILLED

DESCRIPTION

THIS CONDUIT IS INTENDED FOR THE USE IN UNDERGROUND OR ENCASED INSIDE CONCRETE BARRIER WALL SITUATIONS REQUIRING MORE THAN ONE SINGLE CONDUIT. THIS INCLUDES THE MAIN CONDUIT RACEWAY ALONG THE FREEWAY, CONNECTION FROM PULL BOXES TO THE ROADSIDE CABINETS AND FOR RUNS OF CONDUIT FOR MULTIPLE PURPOSES, E.G., AT RAMP METER INSTALLATIONS, FOR LOOP LEAD-IN CABLE, SIGNALS CABLE FOR RAMP METER DISPLAYS, SIGNAL CABLE FOR RAMP METER SIGNING FLASHERS & ILLUMINATION AND POWER. THE CONTRACTOR SHALL PLUG ALL UNUSED CELLS WITH CONDUIT CAPS TO ASSURE AIR AND WATER INTEGRITY OF EACH INDIVIDUAL INNERDUCT.

MATERIALS

THE TRAFFIC SURVEILLANCE RACEWAY SHALL CONSIST OF A FACTORY-ASSEMBLED SYSTEM OF FOUR (4) INNERDUCTS ASSEMBLED WITHIN A PROTECTIVE OUTER DUCT. THE CONDUIT SHALL ADHERE TO 909.14 AND BE POLYVINYL CHLORIDE (PVC) SCHEDULE 40 OR 80, HIGH DENSITY POLYETHYLENE (HDPE), OR APPROVED EQUIVALENT. THE INNERDUCTS SHALL BE A MINIMUM OF 1.10 INCH INSIDE DIAMETER. THE OUTER DUCT SHALL BE NOMINAL 4 INCH INSIDE DIAMETER AND MAXIMUM OUTSIDE DIAMETER OF 4.8 INCH.

WHERE COUPLINGS ARE NEEDED, THE COUPLING SHALL BE DESIGNED IN A MANNER TO PERMIT EASY FIELD ASSEMBLY. THE COUPLING SHALL BE MARKED OR KEYED IN A MANNER TO ENSURE THE INNERDUCTS ARE PROPERLY ALIGNED, ANY COLOR CODES ARE CONTINUED, AND THE ADJOINING SECTION IS INSERTED TO THE PROPER DEPTH IN THE BELL. ALL KEYS AND/OR MARKINGS SHALL BE VISIBLE AFTER ASSEMBLY TO ALLOW THE INSPECTION OF EACH JOINT FOR PROPER ASSEMBLY BEFORE BURIAL. THE SEALING SYSTEM SHALL BE DESIGNED TO ASSURE AIR INTEGRITY OF EACH INDIVIDUAL INNERDUCT AND WATER INTEGRITY OF THE ENTIRE SYSTEM. WHERE INNERDUCT(S) WITHIN A MULTI-CELL DUCT ARE TO REMAIN EMPTY, ONE ¼-INCH NYLON ROPE SHALL BE INSTALLED IN EACH OF THE OPEN INNERDUCTS, THE ROPE WILL REMAIN TO BE USED FOR A FUTURE CABLE INSTALLATION. ALSO, EACH INNERDUCT SHALL BE PLUGGED TO MAINTAIN THE AIR AND WATER INTEGRITY. IN ADDITION, THE OUTER DUCT SHALL BE CAPPED TO MAINTAIN THE AIR AND WATER INTEGRITY OF THE ENTIRE SYSTEM. FOR MULTI-CELL DUCT INSTALLED IN MEDIAN WALLS, ALL ROPES AND PLUGS SHALL BE INSTALLED PRIOR TO ANY CONCRETE PLACEMENT.

ITEM 809E25000: CONDUIT, MULTICELL, MISC.: 4",  
ITEM 809E24000: CONDUIT, MULTICELL, MISC.: 4", JACKED OR DRILLED (CONTINUED)

INSTALLATION

FOR PVC CONDUITS, INSTALLATION WILL BE IN 30-INCH DEEP TRENCH, EXCEPT AS NOTED ON THE PLANS. PVC CONDUITS SHALL NOT BE INSTALLED INSIDE CONCRETE BARRIER WALL. ALL PVC MULTI-CELL CONDUIT INSTALLED OUTSIDE OF THE ROADWAY IN TRENCH SHALL BE SCHEDULE 40 UNLESS DIRECTED BY THE PROJECT ENGINEER.

FOR INSTALLATIONS UNDER ROADWAYS, INSTALLATION WILL BE AT LEAST 30 INCHES DEEP, JACKED OR DRILLED UNDER PAVEMENT, EXCEPT AS NOTED ON THE PLANS. ALL JOINTS WILL BE JOINED ACCORDING TO THE MANUFACTURER'S RECOMMENDATIONS, IN ORDER TO PROVIDE AN AIR-TIGHT ENCLOSURE OF THE INTERIOR DUCTS AND A WATER-TIGHT ENCLOSURE OF THE OUTER DUCT. ALL PVC MULTI-CELL CONDUIT INSTALLED UNDER THE ROADWAY SHALL BE SCHEDULE 80.

FOR HDPE CONDUITS, INSTALLATION WILL BE IN 30-INCH DEEP TRENCH, DRILLED OR PLOWED TO A MINIMUM OF 30" DEEP, ENCASED INSIDE CONCRETE BARRIER WALL, OR AS NOTED ON THE PLANS. THE HDPE CONDUIT SHALL BE INSTALLED IN CONTINUOUS LENGTHS WITHOUT JOINTS OR COUPLINGS BETWEEN PULL BOXES OR JUNCTION BOXES.

INSTALLATION WITHIN 6 FEET OF GUARDRAIL WILL BE AT LEAST 30 INCHES DEEP TRENCH AND ENCASED IN CONCRETE.

WHEN ENTERING A PULL BOX, CONDUIT SHALL BE BROUGHT IN 3 INCHES MINIMUM AND A MAXIMUM OF 6 INCHES FROM THE EDGE OF THE PULL BOX WALL KNOCKOUT.

METHOD OF MEASUREMENT

THE CONDUIT WILL BE MEASURED BY THE AMOUNT OF CONDUIT IN FEET FURNISHED AND INSTALLED OF EACH TYPE SCHEDULE 40 OR 80 MEASURED FROM CENTER-TO-CENTER OF PULL BOXES, FOUNDATION, ETC., AND WILL INCLUDE ALL FITTINGS AND APPURTENANCES, JOINTS, BENDS, GROUNDS AND CONCRETE ENCASEMENT WHERE SPECIFIED.

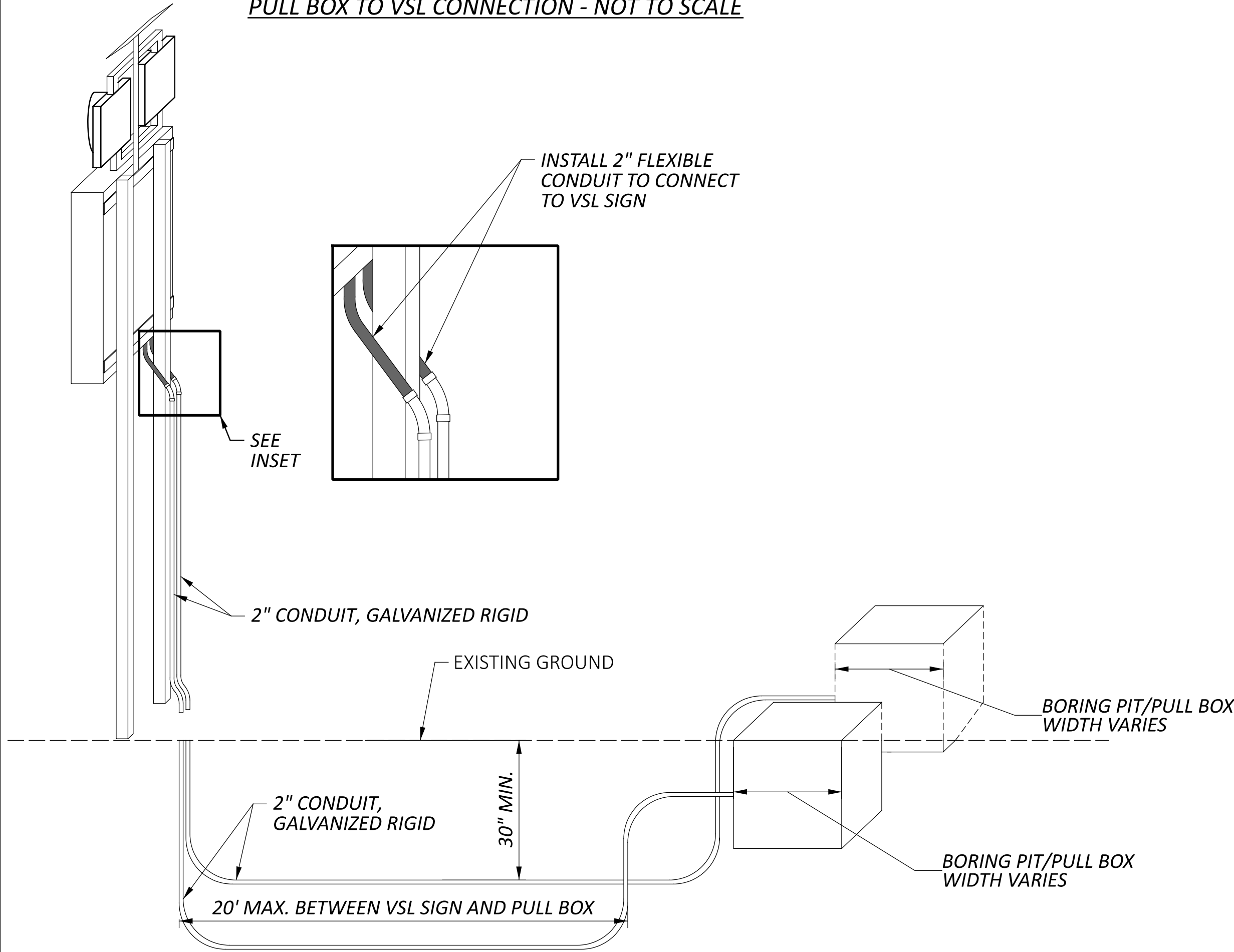
BASIS OF PAYMENT

THE PAYMENT FOR THESE ITEMS WILL BE MADE FOR THE ACCEPTED LINER FOOT QUANTITIES AT THE CONTRACT BID PRICE.

ITEM 809E24500: CONDUIT, 4", MULTICELL, HDPE WITH 4-1" INNERDUCTS  
ITEM 809E24000: CONDUIT, 4", MULTICELL, HDPE, JACKED OR DRILLED

THE CONTRACTOR SHALL FURNISH AND INSTALL THIS ITEM ACCORDING TO ODOT SUPPLEMENTAL SPECIFICATION 809, AS WELL AS ANY STANDARD CONSTRUCTION DRAWINGS NOTED ON THE PLANS.

PULL BOX TO VSL CONNECTION - NOT TO SCALE



DESIGN AGENCY

AECOM

DESIGNER

HMP

REVIEWER

MAW 10-23-25

PROJECT ID

122092

SHEET

P.9

TOTAL

P.66



TRAFFIC CONTROL (CONTINUED)

ITEM 809 - CCTV POLE, 70' TALL

THE CONTRACTOR SHALL FURNISH AND INSTALL THIS ITEM ACCORDING TO ODOT SUPPLEMENTAL SPECIFICATION 809, AS WELL AS ANY STANDARD CONSTRUCTION DRAWINGS NOTED ON THE PLANS. THE CONTRACTOR SHALL PROVIDE AND INSTALL ONE COMPLETE LOWERING UNIT TOOL ASSEMBLY PER CAMERA FOR LOWERING CAMERAS PER SUPPLEMENTAL SPECIFICATION 809 (PAID SEPARATELY).

FOR THIS SITE, LOCATED AT STA. 372+33.20, THE POLE HEIGHT SHALL BE 70 FT ABOVE GROUND. THE EMBEDMENT DEPTH FOR A CONCRETE POLE SHALL BE 12 FT. A SPECIAL FOUNDATION DESIGN IS NOT REQUIRED FOR A STEEL POLE.

FOR THIS SITE, LOCATED AT STA. 408+83.82, THE POLE HEIGHT SHALL BE 70 FT ABOVE GROUND. THE EMBEDMENT DEPTH FOR A CONCRETE POLE SHALL BE 12 FT. A SPECIAL FOUNDATION DESIGN IS NOT REQUIRED FOR A STEEL POLE.

FOR THIS SITE, LOCATED AT STA. 516+42.86, THE POLE HEIGHT SHALL BE 70 FT ABOVE GROUND. THE EMBEDMENT DEPTH FOR A CONCRETE POLE SHALL BE 12 FT. A SPECIAL FOUNDATION DESIGN IS NOT REQUIRED FOR A STEEL POLE.

THE CONTRACTOR SHALL FURNISH/ INSTALL POLES WITH THE CORRECT LENGTH/EMBEDMENT AND ALL COUPLINGS, HANDHOLES, ETC., IN THE APPROPRIATE LOCATION ABOVE GROUND ACCORDING TO SCD ITS-12.10 OR ITS 12.11.

THE CONTRACTOR SHALL SUBMIT ALL POLE MANUFACTURER FABRICATION DRAWING SUBMITTALS AS WELL AS INSTALLATION PROCEDURES AND BACKFILL MATERIAL TO THE ENGINEER FOR ACCEPTANCE BEFORE ORDERING.

PAYMENT FOR EACH POLE COMPLETE, INSTALLED, AND ACCEPTED SHALL BE MADE AT THE UNIT BID PRICE FOR ITEM 809, CCTV POLE, 70' TALL.

ITEM 809 - ITS DEVICE, MISC.: ROAD WEATHER INFORMATION SYSTEM

THIS ITEM SHALL INCLUDE THE INSTALLATION OF THE ODOT FURNISHED RWIS CABINET WITH RPU, NON-INVASIVE PAVEMENT SENSORS AND PRESENT WEATHER VISIBILITY SENSOR AS DETAILED IN THE PLANS.

THE CONTRACTOR SHALL FURNISH AND INSTALL THIS ITEM ACCORDING TO ODOT SUPPLEMENTAL SPECIFICATION 809, THE MANUFACTURER'S RECOMMENDATIONS, AS WELL AS ANY STANDARD CONSTRUCTION DRAWINGS NOTED ON THE PLANS.

ITEM 809 - PULL BOX, 32" TRAFFIC

THIS ITEM SHALL BE INSTALLED WITH "TRAFFIC" MARKED ON THE LID. THE CONTRACTOR SHALL INSTALL THIS ITEM ACCORDING TO ODOT C&MS AND SUPPLEMENTAL SPECIFICATIONS, AS WELL AS ANY STANDARD CONSTRUCTION DRAWINGS NOTED ON THE PLANS AND PER THE MANUFACTURER'S RECOMMENDATIONS.

ITEM 809 - PULL BOX, 24" ELECTRIC

THIS ITEM SHALL BE INSTALLED WITH "ELECTRIC" MARKED ON THE LID. THE CONTRACTOR SHALL INSTALL THIS ITEM ACCORDING TO ODOT C&MS, AS WELL AS ANY STANDARD CONSTRUCTION DRAWINGS NOTED ON THE PLANS AND PER THE MANUFACTURER'S RECOMMENDATIONS.

ITEM 809 - ITS CABINET - GROUND MOUNTED

THE CONTRACTOR SHALL INSTALL THIS ITEM ACCORDING TO ODOT SUPPLEMENTAL SPECIFICATIONS 809, AS WELL AS ANY STANDARD CONSTRUCTION DRAWINGS NOTED ON THE PLANS AND PER THE MANUFACTURER'S RECOMMENDATIONS. CONTRACTOR SHALL INSTALL WORK PADS IN ACCORDANCE WITH C&MS 633.11.

A CONCRETE WORK PAD IN ACCORDANCE WITH ITS-10.11 IS INCIDENTAL TO THE CABINET. PROVIDE CONDUITS ENTERING THE CABINET PER 809.09.A OR 809.09.B. REFER TO STANDARD CONSTRUCTION DRAWING ITS-10.11.

ITEM 809 - ITS POWER SERVICE, POLE MOUNTED, 120/240V, 100 AMP, AS PER PLAN

THE CONTRACTOR SHALL FURNISH AND INSTALL ALL MATERIALS NECESSARY FOR POWER SERVICE PER ODOT SCD ITS-15.11 AND ODOT SUPPLEMENTAL SPECIFICATIONS 809 AND 909.

THE CONTRACTOR SHALL FURNISH AND INSTALL ALL EQUIPMENT NECESSARY TO PROVIDE COMPLETE ELECTRICAL SERVICE TO EACH SIGNAL INSTALLATION AS SHOWN ON THE PLANS. MAKE ALL NECESSARY ARRANGEMENTS WITH THE LOCAL ELECTRICAL POWER COMPANY FOR CONNECTIONS TO ESTABLISH ELECTRICAL SERVICE. CHARGES MADE BY THE POWER COMPANY FOR ESTABLISHING OF THE ACCOUNT, EXTENSION OF THE COMPANY FACILITIES, CONNECTION OF CUSTOMER EQUIPMENT TO THE POWER COMPANY FACILITIES AND ENERGY WILL BE BORNE BY THE MAINTAINING AGENCY. THE COMPENSATION IS FOR INVOICED COST WITHOUT MARK-UP.

ITEM 809 - VARIABLE SPEED LIMIT SIGN WITH BEACONS, AS PER PLAN

AT LOCATIONS SHOWN IN THE PLANS, THE CONTRACTOR SHALL FURNISH AND INSTALL VARIABLE SPEED LIMIT (VSL) SIGNS ACCORDING TO ODOT SUPPLEMENTAL SPECIFICATIONS 809.04 AND 909.17. VSL SIGN EQUIPMENT SHALL BE LISTED IN THE ODOT TRAFFIC AUTHORIZED PRODUCT LIST.

SPEED LIMIT SIGN BEACONS SHALL BE INSTALLED WITH EACH VSL SIGN LOCATION FOR ADDITIONAL WARNING TO DRIVERS TO INDICATE THAT THE SPEED LIMIT SHOWN IS IN EFFECT.

A SPEED LIMIT SIGN BEACON SHALL CONSIST OF TWO SIGNAL SECTIONS OF A STANDARD TRAFFIC CONTROL SIGNAL FACE, WITH A FLASHING CIRCULAR YELLOW SIGNAL INDICATION IN EACH SIGNAL SECTION. THE SIGNAL LENSES SHALL HAVE A NOMINAL DIAMETER OF 12 INCHES. SIGNAL SECTIONS SHALL BE VERTICALLY ALIGNED, ONE ABOVE AND ONE BELOW THE VSL, AND SHALL BE ALTERNATELY FLASHED WHEN THE BEACON IS ACTIVATED.

THE CONTRACTOR SHALL BE RESPONSIBLE FOR INTEGRATING THE SPEED LIMIT SIGN BEACON INTO THE VSL SIGN TO ESTABLISH NETWORK COMMUNICATIONS FOR ACTIVATION CONTROL.

THE CONTRACTOR SHALL SUBMIT A SHOP DRAWING OF THE SPEED LIMIT BEACON PORTION OF WORK TO THE ENGINEER AND ODOT AND MUST OBTAIN WRITTEN APPROVAL PRIOR TO ORDERING SAID SPEED LIMIT BEACON.

THE DEPARTMENT WILL MEASURE VARIABLE SPEED LIMIT SIGNS WITH BEACONS, AS PER PLAN, BY THE NUMBER OF EACH, COMPLETE AND IN PLACE, AND WILL INCLUDE THE COSTS FOR EQUIPMENT, LABOR, INTERGRATION, SPEED LIMIT SIGN BEACON, AND MISCELLANEOUS MATERIALS.

ITEM 809 - ITS DEVICE, MISC.: BEACONS, AS PER PLAN

AT LOCATIONS SHOWN IN THE PLANS, THE CONTRACTOR SHALL FURNISH AND INSTALL SPEED LIMIT SIGN BEACONS WITH EACH EXISTING VSL SIGN LOCATION FOR ADDITIONAL WARNING TO DRIVERS TO INDICATE THAT THE SPEED LIMIT SHOWN IS IN EFFECT.

A SPEED LIMIT SIGN BEACON SHALL CONSIST OF TWO SIGNAL SECTIONS OF A STANDARD TRAFFIC CONTROL SIGNAL FACE, WITH A FLASHING CIRCULAR YELLOW SIGNAL INDICATION IN EACH SIGNAL SECTION. THE SIGNAL LENSES SHALL HAVE A NOMINAL DIAMETER OF 12 INCHES. SIGNAL SECTIONS SHALL BE VERTICALLY ALIGNED, ONE ABOVE AND ONE BELOW THE VSL, AND SHALL BE ALTERNATELY FLASHED WHEN THE BEACON IS ACTIVATED.

THE CONTRACTOR SHALL BE RESPONSIBLE FOR INTEGRATING THE SPEED LIMIT SIGN BEACON INTO THE EXISTING VSL SIGN TO ESTABLISH NETWORK COMMUNICATIONS FOR ACTIVATION CONTROL.

THE CONTRACTOR SHALL SUBMIT A SHOP DRAWING OF THE SPEED LIMIT BEACON PORTION OF WORK TO THE ENGINEER AND ODOT AND MUST OBTAIN WRITTEN APPROVAL PRIOR TO ORDERING SAID SPEED LIMIT BEACON.

THE DEPARTMENT WILL MEASURE BEACONS, AS PER PLAN, BY THE NUMBER OF EACH, COMPLETE AND IN PLACE, AND WILL INCLUDE THE COSTS FOR EQUIPMENT, LABOR, INTERGRATION, SPEED LIMIT SIGN BEACON, AND MISCELLANEOUS MATERIALS.

DESIGN AGENCY

AECOM

DESIGNER

HMP

REVIEWER

MAW 10-23-25

PROJECT ID

122092

SHEET

P.10

TOTAL

P.66



ITEM 614, MAINTAINING TRAFFIC

THIS ITEM SHALL CONSIST OF MAINTENANCE OF TRAFFIC ON EXISTING ROADWAYS AND RAMPS IN ACCORDANCE WITH THE OHIO MANUAL OF UNIFORM TRAFFIC CONTROL DEVICES FOR STREETS AND HIGHWAYS, CURRENT EDITION, LATEST REVISION. ALL WORK AND TRAFFIC CONTROL DEVICES SHALL BE IN ACCORDANCE WITH C&MS 614 AND OTHER APPLICABLE PORTIONS OF THE SPECIFICATIONS, AS WELL AS THE OHIO MANUAL OF UNIFORM TRAFFIC CONTROL DEVICES. PAYMENT FOR ALL LABOR, EQUIPMENT AND MATERIALS SHALL BE INCLUDED IN THE LUMP SUM CONTRACT PRICE FOR ITEM 614, MAINTAINING TRAFFIC, UNLESS SEPARATELY ITEMIZED IN THE PLAN.

MAINTAINING TRAFFIC GENERAL

THE CONTRACTOR SHALL FURNISH AND MAINTAIN ALL FLAGS, FLAGGERS, WATCHERS, BARRICADES, SIGNS, SIGN SUPPORTS AND INCIDENTALS RELATED TO TRAFFIC CONTROL.

SIGNS FURNISHED SHALL BE IN NEW OR LIKE NEW CONDITIONS. LIKE NEW SIGNS SHALL BE SUBJECT TO THE APPROVAL OF THE PROJECT ENGINEER. THE CONTRACTOR SHALL BE RESPONSIBLE AT ALL TIMES FOR PROVIDING AND MAINTAINING LIGHTS, SIGNS, AND BARRICADES FOR THE MAINTENANCE OF TRAFFIC AND SAFETY OF HIS/HER WORK AT THE LOCATIONS SHOWN ON THESE PLANS AS DIRECTED BY THE ENGINEER.

IF THE CONTRACTOR FAILS TO COMPLY WITH THE PROVISIONS FOR TRAFFIC CONTROL AS SET FORTH IN THESE PLANS AND PROVISIONS OF THE OMUTCD AND THE FAILURE RESULTS IN A CONDITION AT THE WORK SITE WHICH IS UNSAFE FOR TRAFFIC, THE ENGINEER SHALL SUSPEND WORK UNTIL THE CONTRACTOR COMPLIES WITH THE NECESSARY REQUIREMENTS.

FLOODLIGHTING

FLOODLIGHTING OF THE WORK SITE FOR OPERATIONS CONDUCTED DURING NIGHTTIME PERIODS SHALL BE ACCOMPLISHED SO THAT THE LIGHTS DO NOT CAUSE GLARE TO THE DRIVERS ON THE ROADWAY. TO ENSURE THE ADEQUACY OF THE FLOODLIGHT PLACEMENT, THE CONTRACTOR AND THE ENGINEER SHALL DRIVE THROUGH THE WORK SITE EACH NIGHT WHEN THE LIGHTING IS IN PLACE AND OPERATIVE PRIOR TO COMMENCING ANY WORK. IF GLARE IS DETECTED, THE LIGHT PLACEMENT AND SHIELDING SHALL BE ADJUSTED TO THE SATISFACTION OF THE ENGINEER BEFORE WORK PROCEEDS.

PAYMENT FOR ALL LABOR, EQUIPMENT AND MATERIALS SHALL BE INCLUDED IN THE LUMP SUM CONTRACT PRICE FOR ITEM 614, MAINTAINING TRAFFIC.

NOTIFICATION OF TRAFFIC RESTRICTIONS (CONTINUED)

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 PROJECT ENGINEER.

| NOTIFICATION OF TRAFFIC RESTRICTIONS TIME TABLE |                        |                                          |
|-------------------------------------------------|------------------------|------------------------------------------|
| ITEM                                            | DURATION OF CLOSURE    | NOTICE DUE TO PERMITS & PIO              |
| RAMP & ROAD CLOSURES                            | >= 2 WEEKS             | 21 CALENDAR DAYS PRIOR TO CLOSURE        |
|                                                 | > 12 HOURS & < 2 WEEKS | 14 CALENDAR DAYS PRIOR TO CLOSURE        |
|                                                 | <= 12 HOURS            | 4 CALENDAR DAYS PRIOR TO CLOSURE         |
| LANE CLOSURES & RESTRICTIONS                    | >= 2 WEEKS             | 14 CALENDAR DAYS PRIOR TO CLOSURE        |
|                                                 | < 2 WEEKS              | 5 BUSINESS DAYS PRIOR TO CLOSURE         |
| START OF CONSTRUCTION & TRAFFIC PATTERN CHANGES | N/A                    | 14 CALENDAR DAYS PRIOR TO IMPLEMENTATION |

ANY UNFORESEEN CONDITIONS NOT SPECIFIED IN THE PLANS REQUIRING TRAFFIC RESTRICTIONS SHALL ALSO BE REPORTED TO THE PROJECT ENGINEER USING THE NOTIFICATION TIME TABLE.

PERMITTED LANE CLOSURE SCHEDULE (PLCS)

LANE CLOSURE(S) SHALL CONFORM TO THE PLCS. PUBLISHED PLCS INFORMATION CAN BE FOUND ON THE ODOT WEBSITE AT: [HTTPS://WWW.TRANSPORTATION.OHIO.GOV/WPS/PORTAL/GOV/ODOT/WORKING/DATA-TOOLS/RESOURCES/PERMITTED-LANE-CLOSURE](https://www.transportation.ohio.gov/wps/portal/gov/odot/working/data-tools/resources/permited-lane-closure)

THE MONTHLY PUBLISHED SCHEDULES REQUIRED TO BE USED, FOR EACH PLCS SEGMENT WITHIN THE PROJECT AREA, ARE THOSE THAT COMPRISE THE CONSECUTIVE 12-MONTH PERIOD BEGINNING 15 MONTHS PRIOR TO THE MONTH AND YEAR OF SALE AND ENDING 4 MONTHS PRIOR TO THE MONTH AND YEAR OF SALE. THESE SAME 12 MONTHS APPLY FOR THE LIFE OF THE PROJECT AND SHALL BE APPLIED TO EACH RESPECTIVE MONTH OF CONSTRUCTION (MONTH OF LANE CLOSURE(S) SHALL MATCH MONTH OF PLCS USED). LANE CLOSURE(S) IN PLACE FOR MULTIPLE MONTHS SHALL ALWAYS COMPLY WITH THE CURRENT RESPECTIVE MONTH.

(FOR EXAMPLE: IF THE SALE DATE FOR THE PROJECT WAS MARCH OF 2021, THE MONTHLY PUBLISHED SCHEDULES FOR EACH APPLICABLE PLCS SEGMENT WOULD BE DECEMBER 2019 TO NOVEMBER 2020. IF THIS WAS A THREE-YEAR PROJECT, YEAR THREE WOULD STILL BE USING THE DECEMBER 2019 TO NOVEMBER 2020 MONTHLY SCHEDULES. IF THE PROJECT DESIRED TO CLOSE TWO LANES IN JUNE 2021, REFERENCE WOULD BE MADE TO THE JUNE 2020 SCHEDULE(S) FOR THE RESPECTIVE PLCS SEGMENT(S). IF THE SAME TWO LANES WERE DESIRED TO BE CLOSED AGAIN IN JULY 2021, REFERENCE WOULD BE MADE TO THE JULY 2020 SCHEDULE(S) FOR THE RESPECTIVE PLCS SEGMENT(S).)

PERMITTED LANE CLOSURE SCHEDULE (PLCS) (CONTINUED)

MORE RESTRICTIVE CHANGES TO THE ALLOWABLE LANE CLOSURE HOURS ARE AT THE DISCRETION OF THE ENGINEER IN ORDER TO COMPLY WITH THE TRAFFIC MANAGEMENT IN WORK ZONES POLICY (21-008(P)) AND STANDARD PROCEDURE (123-001(SP)).

LESS RESTRICTIVE CHANGES TO THE ALLOWABLE LANE CLOSURE HOURS ARE SUBJECT TO THE TRAFFIC MANAGEMENT IN WORK ZONES POLICY (21-008(P)) AND STANDARD PROCEDURE (123-001(SP)) AND SHALL NOT BE IMPLEMENTED UNTIL, AND UNLESS, APPROVED BY THE PROPER ODOT AUTHORITY. [EXISTING MOT EXCEPTIONS THAT HAVE ALREADY BEEN APPROVED IN ACCORDANCE TO THE TRAFFIC MANAGEMENT IN WORK ZONES POLICY AND STANDARD PROCEDURE ARE DETAILED IN THE APPROVED MAINTENANCE OF TRAFFIC (MOT) POLICY EXCEPTION(S) PLAN NOTE.]

ALLOWABLE LANE CLOSURE HOURS FOR FACILITIES NOT COVERED BY THE PLCS, IF ANY, SHALL BE AS SPECIFIED ELSEWHERE IN THE PLANS.

ITEM 614, MAINTAINING TRAFFIC (LANES OPEN DURING HOLIDAYS OR SPECIAL EVENTS)

NO WORK SHALL BE PERFORMED AND ALL EXISTING LANES SHALL BE OPEN TO TRAFFIC DURING THE FOLLOWING DESIGNATED HOLIDAYS OR SPECIAL EVENTS:

|                              |                                     |
|------------------------------|-------------------------------------|
| NEW YEAR'S (OBSERVED)        | GENERAL/REGULAR ELECTION DAY ((NOV) |
| TOTAL SOLAR ECLIPSE (4/8/24) | THANKSGIVING                        |
| MEMORIAL DAY                 | CHRISTMAS (OBSERVED)                |
| FOURTH OF JULY (OBSERVED)    | (OTHER HOLIDAY OR SPECIAL EVENT)    |
| LABOR DAY                    |                                     |

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

| DAY OF HOLIDAY OR SPECIAL 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 (GEN./REG. ELECTION) |
| TUESDAY                         | 5:00 AM TUESDAY THROUGH 12:00 AM WEDNESDAY                   |
| WEDNESDAY                       | 12:00N TUESDAY THROUGH 6:00 AM THURSDAY                      |
| THURSDAY                        | 12:00N WEDNESDAY THROUGH 6:00 AM FRIDAY (THANKSGIVING ONLY)  |
| THURSDAY                        | 6:00 AM WEDNESDAY THROUGH 6:00 AM MONDAY                     |
| FRIDAY                          | 12:00N THURSDAY THROUGH 6:00 AM MONDAY                       |
| SATURDAY                        | 12:00N FRIDAY THROUGH 6:00 AM MONDAY                         |

DURING THE SAME PERIODS, MAINTAIN PEDESTRAIN ACCESS IF PEDESTRIAN ACCESS WAS PRESENT PRIOR TO CONSTRUCTION.

[NEWLY CONSTRUCTED LANE ADDITIONS, ONCE COMPLETED AND INITIALLY OPENED TO TRAFFIC, SHALL BE OPEN TO TRAFFIC DURING ALL SUBSEQUENT DESIGNATED HOLIDAYS AND SPECIAL EVENTS, AND RELATED PERIODS OF TIME, SPECIFIED ABOVE.]

SHOULD THE CONTRACTOR FAIL TO MEET ANY OF THESE REQUIREMENTS, THE CONTRACTOR SHALL BE ASSESSED A DISINCENTIVE PER THE LANE VALUE CONTRACT (PN 127).

NOTIFICATION OF TRAFFIC RESTRICTIONS

THROUGHOUT THE DURATION OF THE PROJECT, THE CONTRACTOR SHALL NOTIFY THE PROJECT ENGINEER IN WRITING OF ALL TRAFFIC RESTRICTIONS AND UPCOMING MAINTENANCE OF TRAFFIC CHANGES. THE CONTRACTOR SHALL ENSURE THE WRITTEN NOTIFICATION IS SUBMITTED IN A TIMELY MANNER TO ALLOW THE PROJECT ENGINEER TO MEET THE REQUIRED TIME FRAMES SET FORTH IN THE TABLE BELOW TO INFORM THE SPECIAL HAULING PERMITS SECTION (HAULING.PERMITS@DOT.OHIO.GOV) AND THE DISTRICT PUBLIC INFORMATION OFFICE (PIO). THIS NOTIFICATION SHALL BE RECEIVED BY THE PROJECT ENGINEER PRIOR TO THE PHYSICAL SETUP OF ANY APPLICABLE SIGNS OR MESSAGE BOARDS.

LANE VALUE CONTRACT TABLE

| DESCRIPTION OF CRITICAL LANE/RAMP TO BE MAINTAINED | RESTRICTED TIME PERIOD                         | TIME UNIT   | DISINCENTIVE \$ PER TIME UNIT PER LANE |
|----------------------------------------------------|------------------------------------------------|-------------|----------------------------------------|
| SR-306 TO SR-615 (EAST)                            | AS PER THE D12 PERMITTED LANE CLOSURE SCHEDULE | EACH MINUTE | \$340                                  |
| SR-306 TO SR-615 (WEST)                            | AS PER THE D12 PERMITTED LANE CLOSURE SCHEDULE | EACH MINUTE | \$340                                  |
| SR-615 TO SR-44 (EAST)                             | AS PER THE D12 PERMITTED LANE CLOSURE SCHEDULE | EACH MINUTE | \$280                                  |
| SR-615 TO SR-44 (WEST)                             | AS PER THE D12 PERMITTED LANE CLOSURE SCHEDULE | EACH MINUTE | \$280                                  |
| SR-44 TO VROOMAN RD (EAST)                         | AS PER THE D12 PERMITTED LANE CLOSURE SCHEDULE | EACH MINUTE | \$255                                  |
| SR-44 TO VROOMAN RD (WEST)                         | AS PER THE D12 PERMITTED LANE CLOSURE SCHEDULE | EACH MINUTE | \$255                                  |
| VROOMAN RD TO SR-528 (EAST)                        | AS PER THE D12 PERMITTED LANE CLOSURE SCHEDULE | EACH MINUTE | \$215                                  |
| VROOMAN RD TO SR-528 (WEST)                        | AS PER THE D12 PERMITTED LANE CLOSURE SCHEDULE | EACH MINUTE | \$215                                  |
| SR-528 TO SR-11 (EAST)                             | AS PER THE D12 PERMITTED LANE CLOSURE SCHEDULE | EACH MINUTE | \$265                                  |
| SR-528 TO SR-11 (WEST)                             | AS PER THE D12 PERMITTED LANE CLOSURE SCHEDULE | EACH MINUTE | \$265                                  |

THE CONTRACTOR SHALL BE ASSESSED A DISINCENTIVE IN THE AMOUNT OF THE SUM TOTAL OF THOSE SECTIONS IMPACTED BY THE PHYSICAL LANE RESTRICTIONS, INCLUDING THE TRANSITION AREA, ACTIVITY AREA, AND TERMINATION AREA AS DEFINED BY THE OMUTCD. HOLIDAY DISINCENTIVES SHALL BE APPLIED PER SECTION PER LANE PER TIME UNIT.

DESIGN AGENCY

AECOM

DESIGNER

HMP

REVIEWER

MAW 10-23-25

PROJECT ID

122092

SHEET

P.11

TOTAL

P.66



| SHEET NUMBER |        |        |       |      |         |       |        |  |  |  |  |  | PART.   | ITEM | ITEM<br>EXT | GRAND<br>TOTAL | UNIT | DESCRIPTION                                                                         | SEE<br>SHEET<br>NO. |
|--------------|--------|--------|-------|------|---------|-------|--------|--|--|--|--|--|---------|------|-------------|----------------|------|-------------------------------------------------------------------------------------|---------------------|
| P.7          | P.8    | P.28   | P.29  | P.30 | P.31    | P.43  | P.48   |  |  |  |  |  | 01/IMS  |      |             |                |      |                                                                                     |                     |
| LS           |        |        |       |      |         |       |        |  |  |  |  |  | LS      | 201  | 11000       | LS             |      | ROADWAY                                                                             |                     |
|              |        |        |       |      |         |       |        |  |  |  |  |  | LS      | 201  | 11000       | LS             |      | CLEARING AND GRUBBING                                                               |                     |
|              |        |        |       |      | 422     | 233   |        |  |  |  |  |  | 655     | 202  | 38000       | 655            | FT   | GUARDRAIL REMOVED                                                                   |                     |
|              |        |        |       |      | 15      | 8     |        |  |  |  |  |  | 23      | 202  | 42206       | 23             | EACH | ANCHOR ASSEMBLY REMOVED                                                             |                     |
|              |        |        |       | 170  |         |       |        |  |  |  |  |  | 170     | 203  | 10000       | 170            | CY   | EXCAVATION                                                                          |                     |
|              |        |        |       | 748  |         |       |        |  |  |  |  |  | 748     | 204  | 10000       | 748            | SY   | SUBGRADE COMPACTION                                                                 |                     |
|              |        |        |       | 748  |         |       |        |  |  |  |  |  | 748     | 204  | 51000       | 748            | SY   | GEOGRID                                                                             |                     |
|              |        |        |       |      | 34      | 15    |        |  |  |  |  |  | 49      | 209  | 60201       | 49             | STA  | LINEAR GRADING, AS PER PLAN                                                         | P.8                 |
|              |        |        |       |      | 1,562.5 | 325   |        |  |  |  |  |  | 1,887.5 | 606  | 15050       | 1,887.5        | FT   | GUARDRAIL, TYPE MGS                                                                 |                     |
|              |        |        |       |      | 887.5   | 700   |        |  |  |  |  |  | 1,587.5 | 606  | 15550       | 1,587.5        | FT   | GUARDRAIL, BARRIER DESIGN, TYPE MGS                                                 |                     |
|              |        |        |       |      | 5.0     | 4     |        |  |  |  |  |  | 9       | 606  | 26000       | 9              | EACH | ANCHOR ASSEMBLY, TYPE B                                                             |                     |
|              |        |        |       |      | 14      | 4     |        |  |  |  |  |  | 18      | 606  | 26150       | 18             | EACH | ANCHOR ASSEMBLY, MGS TYPE E                                                         |                     |
|              |        |        |       |      | 10      | 9     |        |  |  |  |  |  | 19      | 606  | 26550       | 19             | EACH | ANCHOR ASSEMBLY, MGS TYPE T                                                         |                     |
|              |        |        |       |      | 2       | 1     |        |  |  |  |  |  | 3       | 606  | 35002       | 3              | EACH | MGS BRIDGE TERMINAL ASSEMBLY, TYPE 1                                                |                     |
|              |        |        |       |      |         |       |        |  |  |  |  |  |         |      |             |                |      | EROSION CONTROL                                                                     |                     |
|              | 2      |        |       |      |         |       |        |  |  |  |  |  | 2       | 659  | 00100       | 2              | EACH | SOIL ANALYSIS TEST                                                                  |                     |
|              | 477    |        |       |      |         |       |        |  |  |  |  |  | 477     | 659  | 00300       | 477            | CY   | TOPSOIL                                                                             |                     |
|              | 4,500  |        |       |      |         |       |        |  |  |  |  |  | 4,500   | 659  | 10000       | 4,500          | SY   | SEEDING AND MULCHING                                                                |                     |
|              | 230    |        |       |      |         |       |        |  |  |  |  |  | 230     | 659  | 14000       | 230            | SY   | REPAIR SEEDING AND MULCHING                                                         |                     |
|              | 230    |        |       |      |         |       |        |  |  |  |  |  | 230     | 659  | 15000       | 230            | SY   | INTER-SEEDING                                                                       |                     |
|              |        |        |       |      |         |       |        |  |  |  |  |  | 0.63    | 659  | 20000       | 0.63           | TON  | COMMERCIAL FERTILIZER                                                               |                     |
|              | 0.93   |        |       |      |         |       |        |  |  |  |  |  | 0.93    | 659  | 31000       | 0.93           | ACRE | LIME                                                                                |                     |
|              | 25     |        |       |      |         |       |        |  |  |  |  |  | 25      | 659  | 35000       | 25             | MGAL | WATER                                                                               |                     |
|              | 10     |        |       |      |         |       |        |  |  |  |  |  | 10      | 659  | 40000       | 10             | MSF  | MOWING                                                                              |                     |
|              | 35,000 |        |       |      |         |       |        |  |  |  |  |  | 35,000  | 832  | 30000       | 35,000         | EACH | EROSION CONTROL                                                                     |                     |
|              |        |        |       | 170  |         |       |        |  |  |  |  |  | 170     | 304  | 20000       | 170            | CY   | PAVEMENT                                                                            |                     |
|              |        |        |       |      | 80      | 29    |        |  |  |  |  |  | 109     | 441  | 50201       | 109            | CY   | AGGREGATE BASE                                                                      |                     |
|              |        |        |       |      |         |       |        |  |  |  |  |  |         |      |             |                |      | ASPHALT CONCRETE INTERMEDIATE COURSE, TYPE 1, (448), AS PER PLAN, (UNDER GUARDRAIL) | P.8                 |
|              |        |        |       |      |         |       |        |  |  |  |  |  |         |      |             |                |      | TRAFFIC CONTROL                                                                     |                     |
|              |        |        |       |      | 11      |       |        |  |  |  |  |  | 11      | 626  | 00110       | 11             | EACH | BARRIER REFLECTOR, TYPE 2, ONE WAY                                                  |                     |
|              |        |        |       |      | 37      | 18    |        |  |  |  |  |  | 55      | 626  | 00110       | 55             | EACH | BARRIER REFLECTOR, TYPE 2, BIDIRECTIONAL                                            |                     |
|              |        | 630    |       |      |         | 360   |        |  |  |  |  |  | 990     | 630  | 06400       | 990            | FT   | GROUND MOUNTED STRUCTURAL BEAM SUPPORT, S4X7.7                                      |                     |
|              |        | 135    |       |      |         |       |        |  |  |  |  |  | 135     | 630  | 07000       | 135            | FT   | GROUND MOUNTED STRUCTURAL BEAM SUPPORT, W8X18                                       |                     |
|              |        | 51     |       |      |         | 28    |        |  |  |  |  |  | 79      | 630  | 09000       | 79             | EACH | BREAKAWAY STRUCTURAL BEAM CONNECTION                                                |                     |
|              |        | 51     |       |      |         | 28    |        |  |  |  |  |  | 79      | 630  | 84500       | 79             | EACH | GROUND MOUNTED STRUCTURAL BEAM SUPPORT FOUNDATION                                   |                     |
|              |        | 1      |       |      |         |       |        |  |  |  |  |  | 1       | 630  | 84900       | 1              | EACH | REMOVAL OF GROUND MOUNTED SIGN AND DISPOSAL                                         |                     |
|              |        |        |       |      |         | 2     |        |  |  |  |  |  | 2       | 630  | 85100       | 2              | EACH | REMOVAL OF GROUND MOUNTED SIGN AND REERECTION                                       |                     |
|              |        | 2      |       |      |         |       |        |  |  |  |  |  | 2       | 630  | 86102       | 2              | EACH | REMOVAL OF GROUND MOUNTED STRUCTURAL BEAM SUPPORT AND DISPOSAL                      |                     |
|              |        |        |       |      |         | 4     |        |  |  |  |  |  | 4       | 630  | 86250       | 4              | EACH | REMOVAL OF GROUND MOUNTED STRUCTURAL BEAM SUPPORT AND REERECTION                    |                     |
|              |        |        |       |      |         |       |        |  |  |  |  |  |         |      |             |                |      | TRAFFIC SIGNALS                                                                     |                     |
|              |        | 28,988 |       |      |         | 4,860 |        |  |  |  |  |  | 33,848  | 625  | 22990       | 33,848         | FT   | NO. 6 AWG 600 VOLT DISTRIBUTION CABLE                                               |                     |
|              |        | 1,314  |       |      |         | 720   |        |  |  |  |  |  | 2,034   | 625  | 25400       | 2,034          | FT   | CONDUIT, 2", 725.04                                                                 |                     |
|              |        | 3,050  |       |      |         |       |        |  |  |  |  |  | 3,050   | 625  | 25408       | 3,050          | FT   | CONDUIT, 2", 725.051                                                                |                     |
|              |        | 210    |       |      |         |       |        |  |  |  |  |  | 210     | 625  | 25500       | 210            | FT   | CONDUIT, 3", 725.04                                                                 |                     |
|              |        | 106    |       |      |         |       |        |  |  |  |  |  | 106     | 625  | 25504       | 106            | FT   | CONDUIT, 3", 725.051                                                                |                     |
|              |        | 2,340  |       |      |         | 1,020 |        |  |  |  |  |  | 3,360   | 625  | 25906       | 3,360          | FT   | CONDUIT, JACKED OR DRILLED, 725.051, 2"                                             |                     |
|              |        | 4,930  |       |      |         | 480   | 20,810 |  |  |  |  |  | 26,220  | 625  | 29010       | 26,220         | FT   | TRENCH, 30" DEEP                                                                    |                     |
|              |        | 41     |       |      |         | 12    |        |  |  |  |  |  | 53      | 625  | 30706       | 53             | EACH | PULL BOX, 725.08, 24"                                                               |                     |
|              |        | 113    |       |      |         | 36    | 30     |  |  |  |  |  | 179     | 625  | 32000       | 179            | EACH | GROUND ROD                                                                          |                     |
|              |        | 5,072  |       |      |         | 480   | 20,810 |  |  |  |  |  | 26,362  | 625  | 36010       | 26,362         | FT   | UNDERGROUND WARNING/MARKING TAPE                                                    |                     |
|              |        |        |       |      |         | 12    |        |  |  |  |  |  | 33      | 633  | 67201       | 33             | EACH | CONTROLLER WORK PAD, AS PER PLAN                                                    | P.8                 |
|              |        |        |       |      |         |       | 35,773 |  |  |  |  |  | 35,773  | 804  | 15020       | 35,773         | FT   | FIBER OPTIC CABLE, 48 FIBER                                                         |                     |
|              |        |        | 1,706 |      |         |       | 100    |  |  |  |  |  | 1,806   | 804  | 32070       | 1,806          | FT   | DROP CABLE, 48 FIBER                                                                |                     |

GENERAL SUMMARY

DESIGN AGENCY

AECOM

DESIGNER

SMS

REVIEWER

MAW 10-23-25

PROJECT ID

122092

SHEET

P.12

TOTAL

P.66



[illegible]



MODEL: Plan 1 - Plan 1 [Sheet] PAPER SIZE: 34x22 (in.) DATE: 10/23/2025 TIME: 4:10:45 PM USER: PetersonH  
pw:\ohiodot-pw.bentley.com\ohiodot-pw-02\Documents\01 Active Projects\District 12\Lake\122092\_401-Engineering\_AECOM\Roadway\Sheets\122092\_G5001.dgn

| REF NO. | SITE NO. | SHEET NO. | STATION TO STATION |    |    |           | 625                                   | 625                 | 625                  | 625                 | 625                  | 625                                     | 625              | 625                   | 625        | 630                              | 630                                            | 630                                           | 630                                  | 630                                               | 630                                         | 633                                                            |                                  |    |    |    |    |
|---------|----------|-----------|--------------------|----|----|-----------|---------------------------------------|---------------------|----------------------|---------------------|----------------------|-----------------------------------------|------------------|-----------------------|------------|----------------------------------|------------------------------------------------|-----------------------------------------------|--------------------------------------|---------------------------------------------------|---------------------------------------------|----------------------------------------------------------------|----------------------------------|----|----|----|----|
|         |          |           |                    |    |    |           | NO. 6 AWG 600 VOLT DISTRIBUTION CABLE | CONDUIT, 2", 725.04 | CONDUIT, 2", 725.051 | CONDUIT, 3", 725.04 | CONDUIT, 3", 725.051 | CONDUIT, JACKED OR DRILLED, 725.051, 2" | TRENCH, 30" DEEP | PULL BOX, 725.08, 24" | GROUND ROD | UNDERGROUND WARNING/MARKING TAPE | GROUND MOUNTED STRUCTURAL BEAM SUPPORT, S4x7.7 | GROUND MOUNTED STRUCTURAL BEAM SUPPORT, W8x18 | BREAKAWAY STRUCTURAL BEAM CONNECTION | GROUND MOUNTED STRUCTURAL BEAM SUPPORT FOUNDATION | REMOVAL OF GROUND MOUNTED SIGN AND DISPOSAL | REMOVAL OF GROUND MOUNTED STRUCTURAL BEAM SUPPORT AND DISPOSAL | CONTROLLER WORK PAD, AS PER PLAN |    |    |    |    |
|         |          |           |                    |    |    |           |                                       |                     |                      |                     |                      |                                         |                  |                       |            |                                  |                                                |                                               |                                      |                                                   |                                             |                                                                |                                  | FT | FT | FT | FT |
| ITS-101 | 1        | P.33      | 370+63.51          | RT |    |           | 30                                    | 20                  |                      |                     |                      |                                         |                  |                       | 1          |                                  | 30                                             |                                               | 2                                    | 2                                                 |                                             |                                                                | 1                                |    |    |    |    |
| ITS-102 | 1        | P.33      | 370+58.65          | RT | TO | 370+63.51 |                                       | 16                  |                      |                     |                      |                                         | 16               |                       |            |                                  |                                                |                                               |                                      |                                                   |                                             |                                                                |                                  |    |    |    |    |
| ITS-103 | 1        | P.33      | 370+63.51          | RT | TO | 370+64.19 | 45                                    | 15                  |                      |                     |                      |                                         | 15               |                       |            |                                  |                                                |                                               |                                      |                                                   |                                             |                                                                |                                  |    |    |    |    |
| ITS-104 | 1        | P.33      | 370+60.78          | RT |    |           | 30                                    | 20                  |                      |                     |                      |                                         |                  | 1                     |            | 30                               |                                                | 2                                             | 2                                    |                                                   |                                             | 1                                                              |                                  |    |    |    |    |
| ITS-105 | 1        | P.33      | 370+58.50          | RT | TO | 370+60.78 |                                       | 8                   |                      |                     |                      |                                         | 8                |                       |            | 8                                |                                                |                                               |                                      |                                                   |                                             |                                                                |                                  |    |    |    |    |
| ITS-106 | 1        | P.33      | 370+60.78          | RT | TO | 370+64.16 | 27                                    | 9                   |                      |                     |                      |                                         | 9                |                       |            | 9                                |                                                |                                               |                                      |                                                   |                                             |                                                                |                                  |    |    |    |    |
| ITS-107 | 1        | P.33      | 370+50.38          | RT |    |           | 36                                    | 9                   |                      |                     |                      |                                         |                  | 1                     |            |                                  |                                                |                                               |                                      |                                                   |                                             |                                                                |                                  |    |    |    |    |
| ITS-108 | 1        | P.33      | 370+50.38          | RT | TO | 370+55.39 | 20                                    |                     | 5                    |                     |                      |                                         | 5                |                       |            | 5                                |                                                |                                               |                                      |                                                   |                                             |                                                                |                                  |    |    |    |    |
| PB-101  | 1        | P.33      | 370+55.39          | RT |    |           | 80                                    |                     |                      |                     |                      |                                         |                  | 1                     | 1          |                                  |                                                |                                               |                                      |                                                   |                                             |                                                                |                                  |    |    |    |    |
| ITS-109 | 1        | P.33      | 370+55.39          | RT | TO | 370+64.16 | 132                                   |                     | 33                   |                     |                      |                                         | 33               |                       |            | 33                               |                                                |                                               |                                      |                                                   |                                             |                                                                |                                  |    |    |    |    |
| PB-102  | 1        | P.33      | 370+58.50          | RT |    |           |                                       |                     |                      |                     |                      |                                         |                  |                       | 1          |                                  |                                                |                                               |                                      |                                                   |                                             |                                                                |                                  |    |    |    |    |
| ITS-110 | 1        | P.33      | 370+58.50          | RT | TO | 370+58.65 |                                       |                     |                      |                     |                      |                                         |                  |                       |            |                                  |                                                |                                               |                                      |                                                   |                                             |                                                                |                                  |    |    |    |    |
| PB-103  | 1        | P.33      | 370+58.65          | RT |    |           |                                       |                     |                      |                     |                      |                                         |                  |                       | 1          |                                  |                                                |                                               |                                      |                                                   |                                             |                                                                |                                  |    |    |    |    |
| ITS-111 | 1        | P.33      | 370+58.65          | RT | TO | 372+53.77 |                                       |                     |                      |                     |                      |                                         |                  |                       |            |                                  |                                                |                                               |                                      |                                                   |                                             |                                                                |                                  |    |    |    |    |
| PB-104  | 1        | P.33      | 370+64.19          | RT |    |           | 170                                   |                     |                      |                     |                      |                                         |                  | 1                     | 1          |                                  |                                                |                                               |                                      |                                                   |                                             |                                                                |                                  |    |    |    |    |
| ITS-112 | 1        | P.33      | 370+64.16          | RT | TO | 370+64.19 | 546                                   |                     |                      |                     |                      | 78                                      |                  |                       |            |                                  |                                                |                                               |                                      |                                                   |                                             |                                                                |                                  |    |    |    |    |
| ITS-113 | 1        | P.33      | 370+64.19          | RT | TO | 372+53.34 | 1582                                  |                     |                      |                     |                      | 452                                     |                  |                       |            |                                  |                                                |                                               |                                      |                                                   |                                             |                                                                |                                  |    |    |    |    |
| PB-105  | 1        | P.33      | 370+64.16          | RT |    |           | 140                                   |                     |                      |                     |                      |                                         |                  | 1                     | 1          |                                  |                                                |                                               |                                      |                                                   |                                             |                                                                |                                  |    |    |    |    |
| ITS-114 | 1        | P.33      | 372+35.72          | LT |    |           |                                       |                     |                      | 70                  |                      |                                         |                  |                       | 1          |                                  |                                                |                                               |                                      |                                                   |                                             |                                                                |                                  |    |    |    |    |
| ITS-115 | 1        | P.33      | 372+35.72          | LT | TO | 372+53.46 |                                       |                     |                      |                     | 36                   |                                         | 18               |                       |            | 18                               |                                                |                                               |                                      |                                                   |                                             |                                                                |                                  |    |    |    |    |
| ITS-116 | 1        | P.33      | 372+43.21          | LT |    |           |                                       |                     |                      |                     |                      |                                         |                  |                       | 1          |                                  |                                                |                                               |                                      |                                                   |                                             |                                                                |                                  |    |    |    |    |
| ITS-117 | 1        | P.33      | 372+43.21          | LT | TO | 372+53.34 | 221                                   |                     | 39                   |                     |                      |                                         | 13               |                       |            | 13                               |                                                |                                               |                                      |                                                   |                                             |                                                                |                                  |    |    |    |    |
| ITS-118 | 1        | P.33      | 372+46.71          | LT |    |           |                                       |                     |                      |                     |                      |                                         |                  |                       | 1          |                                  |                                                |                                               |                                      |                                                   |                                             |                                                                |                                  |    |    |    |    |
| ITS-119 | 1        | P.33      | 372+46.71          | LT | TO | 372+53.46 |                                       |                     | 32                   |                     |                      |                                         | 8                |                       |            | 8                                |                                                |                                               |                                      |                                                   |                                             |                                                                |                                  |    |    |    |    |
| ITS-120 | 1        | P.33      | 372+46.71          | LT | TO | 372+53.34 | 80                                    |                     | 8                    |                     |                      |                                         | 8                |                       |            | 8                                |                                                |                                               |                                      |                                                   |                                             |                                                                |                                  |    |    |    |    |
| PB-106  | 1        | P.33      | 372+49.05          | LT |    |           | 170                                   |                     |                      |                     |                      |                                         |                  | 1                     | 1          |                                  |                                                |                                               |                                      |                                                   |                                             |                                                                |                                  |    |    |    |    |
| ITS-121 | 1        | P.33      | 372+54.84          | LT | TO | 372+54.58 | 225                                   |                     |                      |                     |                      | 75                                      |                  |                       |            |                                  |                                                |                                               |                                      |                                                   |                                             |                                                                |                                  |    |    |    |    |
| ITS-122 | 1        | P.33      | 372+49.05          | LT | TO | 372+53.34 | 469                                   |                     | 134                  |                     |                      |                                         | 67               |                       |            | 67                               |                                                |                                               |                                      |                                                   |                                             |                                                                |                                  |    |    |    |    |
| ITS-123 | 1        | P.33      | 372+49.05          | LT | TO | 372+63.38 | 57                                    | 19                  |                      |                     |                      |                                         | 19               |                       |            | 19                               |                                                |                                               |                                      |                                                   |                                             |                                                                |                                  |    |    |    |    |
| ITS-124 | 1        | P.33      | 372+49.05          | LT | TO | 372+66.88 | 108                                   | 27                  |                      |                     |                      |                                         | 27               |                       |            | 27                               |                                                |                                               |                                      |                                                   |                                             |                                                                |                                  |    |    |    |    |
| PB-107  | 1        | P.33      | 372+49.01          | LT |    |           | 60                                    |                     |                      |                     |                      |                                         |                  | 1                     | 1          |                                  |                                                |                                               |                                      |                                                   |                                             |                                                                |                                  |    |    |    |    |
| ITS-125 | 1        | P.33      | 372+49.01          | LT | TO | 372+63.33 | 54                                    | 18                  |                      |                     |                      |                                         | 18               |                       |            | 18                               |                                                |                                               |                                      |                                                   |                                             |                                                                |                                  |    |    |    |    |
| ITS-126 | 1        | P.33      | 372+53.46          | RT | TO | 372+54.84 |                                       |                     |                      |                     |                      |                                         | 85               |                       |            | 85                               |                                                |                                               |                                      |                                                   |                                             |                                                                |                                  |    |    |    |    |
| PB-108  | 1        | P.33      | 372+53.34          | LT |    |           | 410                                   |                     |                      |                     |                      |                                         |                  | 1                     | 1          |                                  |                                                |                                               |                                      |                                                   |                                             |                                                                |                                  |    |    |    |    |
| PB-109  | 1        | P.33      | 372+54.58          | LT |    |           |                                       |                     |                      |                     |                      |                                         |                  |                       | 1          |                                  |                                                |                                               |                                      |                                                   |                                             |                                                                |                                  |    |    |    |    |
| ITS-127 | 1        | P.33      | 372+54.84          | LT | TO | 372+54.58 |                                       |                     |                      |                     |                      |                                         |                  |                       |            |                                  |                                                |                                               |                                      |                                                   |                                             |                                                                |                                  |    |    |    |    |
| ITS-128 | 1        | P.33      | 372+54.58          | LT | TO | 372+63.38 |                                       | 10                  |                      |                     |                      |                                         | 10               |                       |            | 10                               |                                                |                                               |                                      |                                                   |                                             |                                                                |                                  |    |    |    |    |
| PB-110  | 1        | P.33      | 372+54.84          | LT |    |           |                                       |                     |                      |                     |                      |                                         |                  | 1                     |            |                                  |                                                |                                               |                                      |                                                   |                                             |                                                                |                                  |    |    |    |    |
| ITS-129 | 1        | P.33      | 372+54.84          | LT | TO | 372+63.38 |                                       | 9                   |                      |                     |                      |                                         | 9                |                       |            | 9                                |                                                |                                               |                                      |                                                   |                                             |                                                                |                                  |    |    |    |    |
| ITS-130 | 1        | P.33      | 372+54.84          | LT | TO | 372+66.51 |                                       | 25                  |                      |                     |                      |                                         | 25               |                       |            | 25                               |                                                |                                               |                                      |                                                   |                                             |                                                                |                                  |    |    |    |    |
| ITS-131 | 1        | P.33      | 372+63.38          | LT |    |           | 30                                    | 20                  |                      |                     |                      |                                         |                  | 1                     |            | 30                               |                                                | 2                                             | 2                                    |                                                   |                                             | 1                                                              |                                  |    |    |    |    |
| ITS-132 | 1        | P.33      | 372+63.38          | LT |    |           | 30                                    | 20                  |                      |                     |                      |                                         |                  | 1                     |            | 30                               |                                                | 2                                             | 2                                    |                                                   |                                             | 1                                                              |                                  |    |    |    |    |
| ITS-133 |          |           |                    |    |    |           |                                       |                     |                      |                     |                      |                                         |                  |                       |            |                                  |                                                |                                               |                                      |                                                   |                                             |                                                                |                                  |    |    |    |    |



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|                                                         |              |
|---------------------------------------------------------|--------------|
| <p>ITS SUBSUMMARY</p> <p>SITE 2 - SR 615 WB ON RAMP</p> |              |
| <p>DESIGN AGENCY</p> <p><b>AECOM</b></p>                |              |
| DESIGNER                                                | SMS          |
| REVIEWER                                                | MAW 10-23-25 |
| PROJECT ID                                              | 122092       |
| SHEET                                                   | P.16         |
| TOTAL                                                   | P.66         |



**LAK-90-8.77 VSL SIGNS**

MODEL: Plan 4 - Plan 1 [Sheet] PAPER: 34x22 (in.) DATE: 10/23/2025 TIME: 4:11:10 PM USER: PetersonH  
pw:\ohiodot-pw.bentley.com:ohiodot-pw-02\Documents\01 Active Projects\District 12\Lake 1220202\401-Engineering\_AECOM\Roadway\Sheets\1220202\_GS004.dgn

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|                                                                                                                                          |              |
|------------------------------------------------------------------------------------------------------------------------------------------|--------------|
| <div> <div> ITS SUBSUMMARY<br/> SITE 2 - SR 615 WB ON RAMP </div> </div>                                                                 |              |
| <div> <div>DESIGN AGENCY</div> <div>  </div> </div> |              |
| DESIGNER                                                                                                                                 | SMS          |
| REVIEWER                                                                                                                                 | MAW 10-23-25 |
| PROJECT ID                                                                                                                               | 122092       |
| SHEET                                                                                                                                    | TOTAL        |
| P.17                                                                                                                                     | P.66         |



| REF NO. | SITE NO. | SHEET NO. | STATION TO STATION |    |    |           | 625                                   | 625                 | 625                  | 625                 | 625                  | 625                                     | 625              | 625                   | 625        | 630                              | 630                                            | 630                                           | 630                                  | 630                                               | 630                                         | 633                                                            |                                  |  |  |  |
|---------|----------|-----------|--------------------|----|----|-----------|---------------------------------------|---------------------|----------------------|---------------------|----------------------|-----------------------------------------|------------------|-----------------------|------------|----------------------------------|------------------------------------------------|-----------------------------------------------|--------------------------------------|---------------------------------------------------|---------------------------------------------|----------------------------------------------------------------|----------------------------------|--|--|--|
|         |          |           |                    |    |    |           | NO. 6 AWG 600 VOLT DISTRIBUTION CABLE | CONDUIT, 2", 725.04 | CONDUIT, 2", 725.051 | CONDUIT, 3", 725.04 | CONDUIT, 3", 725.051 | CONDUIT, JACKED OR DRILLED, 725.051, 2" | TRENCH, 30" DEEP | PULL BOX, 725.08, 24" | GROUND ROD | UNDERGROUND WARNING/MARKING TAPE | GROUND MOUNTED STRUCTURAL BEAM SUPPORT, S4X7.7 | GROUND MOUNTED STRUCTURAL BEAM SUPPORT, W8X18 | BREAKAWAY STRUCTURAL BEAM CONNECTION | GROUND MOUNTED STRUCTURAL BEAM SUPPORT FOUNDATION | REMOVAL OF GROUND MOUNTED SIGN AND DISPOSAL | REMOVAL OF GROUND MOUNTED STRUCTURAL BEAM SUPPORT AND DISPOSAL | CONTROLLER WORK PAD, AS PER PLAN |  |  |  |
|         |          |           |                    |    |    |           | FT                                    | FT                  | FT                   | FT                  | FT                   | FT                                      | EACH             | EACH                  | FT         | FT                               | FT                                             | EACH                                          | EACH                                 | EACH                                              | EACH                                        | EACH                                                           |                                  |  |  |  |
| ITS-301 | 3        | P.35      | 408+16.97          | RT |    |           | 36                                    | 9                   |                      |                     |                      |                                         |                  | 1                     |            |                                  |                                                |                                               |                                      |                                                   |                                             |                                                                |                                  |  |  |  |
| ITS-302 | 3        | P.35      | 408+16.97          | RT | TO | 408+17.90 | RT                                    |                     |                      |                     |                      |                                         | 5                |                       | 5          |                                  |                                                |                                               |                                      |                                                   |                                             |                                                                |                                  |  |  |  |
| PB-301  | 3        | P.35      | 408+17.90          | RT |    |           | 80                                    |                     |                      |                     |                      |                                         | 1                | 1                     |            |                                  |                                                |                                               |                                      |                                                   |                                             |                                                                |                                  |  |  |  |
| ITS-303 | 3        | P.35      | 408+17.90          | RT | TO | 408+60.58 | RT                                    | 220                 |                      | 55                  |                      |                                         | 55               |                       | 55         |                                  |                                                |                                               |                                      |                                                   |                                             |                                                                |                                  |  |  |  |
| PB-302  | 3        | P.35      | 408+54.04          | RT |    |           | 80                                    |                     |                      |                     |                      |                                         | 1                | 1                     |            |                                  |                                                |                                               |                                      |                                                   |                                             |                                                                |                                  |  |  |  |
|         |          |           |                    |    |    |           |                                       |                     |                      |                     |                      |                                         |                  |                       |            |                                  |                                                |                                               |                                      |                                                   |                                             |                                                                |                                  |  |  |  |
| ITS-304 | 3        | P.35      | 408+54.04          | RT | TO | 408+60.58 | RT                                    | 212                 |                      |                     |                      | 53                                      | 53               |                       | 53         |                                  |                                                |                                               |                                      |                                                   |                                             |                                                                |                                  |  |  |  |
| ITS-305 | 3        | P.35      | 408+54.04          | RT | TO | 410+23.91 | RT                                    | 704                 |                      | 176                 |                      |                                         | 176              |                       | 176        |                                  |                                                |                                               |                                      |                                                   |                                             |                                                                |                                  |  |  |  |
| PB-303  | 3        | P.35      | 408+60.58          | RT |    |           | 80                                    |                     |                      |                     |                      |                                         | 1                | 1                     |            |                                  |                                                |                                               |                                      |                                                   |                                             |                                                                |                                  |  |  |  |
| ITS-306 | 3        | P.35      | 408+54.95          | LT |    |           |                                       |                     |                      | 70                  |                      |                                         |                  | 1                     |            |                                  |                                                |                                               |                                      |                                                   |                                             |                                                                |                                  |  |  |  |
| ITS-307 | 3        | P.35      | 408+54.95          | LT | TO | 408+67.93 | LT                                    |                     |                      |                     | 34                   |                                         | 17               |                       | 17         |                                  |                                                |                                               |                                      |                                                   |                                             |                                                                |                                  |  |  |  |
|         |          |           |                    |    |    |           |                                       |                     |                      |                     |                      |                                         |                  |                       |            |                                  |                                                |                                               |                                      |                                                   |                                             |                                                                |                                  |  |  |  |
| ITS-308 | 3        | P.35      | 408+59.05          | LT |    |           |                                       |                     |                      |                     |                      |                                         |                  | 1                     |            |                                  |                                                |                                               |                                      |                                                   |                                             |                                                                |                                  |  |  |  |
| ITS-309 | 3        | P.35      | 408+59.05          | LT | TO | 408+69.40 | LT                                    |                     |                      |                     |                      |                                         | 10               |                       | 10         |                                  |                                                |                                               |                                      |                                                   |                                             |                                                                |                                  |  |  |  |
| ITS-310 | 3        | P.35      | 408+59.05          | LT | TO | 408+67.94 | LT                                    | 60                  |                      | 40                  |                      |                                         | 10               |                       | 10         |                                  |                                                |                                               |                                      |                                                   |                                             |                                                                |                                  |  |  |  |
| ITS-311 | 3        | P.35      | 408+67.20          | LT |    |           | 210                                   | 70                  |                      |                     |                      |                                         |                  | 1                     |            |                                  |                                                |                                               |                                      |                                                   |                                             |                                                                |                                  |  |  |  |
| ITS-312 | 3        | P.35      | 408+69.40          | LT | TO | 408+67.20 | LT                                    |                     |                      |                     |                      |                                         | 21               |                       | 21         |                                  |                                                |                                               |                                      |                                                   |                                             |                                                                |                                  |  |  |  |
|         |          |           |                    |    |    |           |                                       |                     |                      |                     |                      |                                         |                  |                       |            |                                  |                                                |                                               |                                      |                                                   |                                             |                                                                |                                  |  |  |  |
| ITS-313 | 3        | P.35      | 408+67.94          | RT | TO | 408+67.20 | RT                                    | 126                 |                      | 42                  |                      |                                         | 42               |                       | 42         |                                  |                                                |                                               |                                      |                                                   |                                             |                                                                |                                  |  |  |  |
| PB-304  | 3        | P.35      | 480+67.94          | RT |    |           | 130                                   |                     |                      |                     |                      |                                         | 1                | 1                     |            |                                  |                                                |                                               |                                      |                                                   |                                             |                                                                |                                  |  |  |  |
| ITS-314 | 3        | P.35      | 480+67.94          | RT | TO | 410+51.98 | RT                                    | 776                 |                      | 194                 |                      |                                         | 194              |                       | 194        |                                  |                                                |                                               |                                      |                                                   |                                             |                                                                |                                  |  |  |  |
| PB-305  | 3        | P.35      | 408+69.40          | LT |    |           |                                       |                     |                      |                     |                      |                                         |                  | 1                     |            |                                  |                                                |                                               |                                      |                                                   |                                             |                                                                |                                  |  |  |  |
| ITS-315 | 3        | P.35      | 408+69.40          | LT | TO | 410+57.71 | RT                                    |                     |                      |                     |                      |                                         | 202              |                       | 202        |                                  |                                                |                                               |                                      |                                                   |                                             |                                                                |                                  |  |  |  |
|         |          |           |                    |    |    |           |                                       |                     |                      |                     |                      |                                         |                  |                       |            |                                  |                                                |                                               |                                      |                                                   |                                             |                                                                |                                  |  |  |  |
| ITS-316 | 3        | P.35      | 410+12.64          | RT |    |           | 30                                    | 20                  |                      |                     |                      |                                         |                  | 1                     |            | 30                               |                                                | 2                                             | 2                                    |                                                   |                                             | 1                                                              |                                  |  |  |  |
| ITS-317 | 3        | P.35      | 410+12.64          | RT | TO | 410+23.91 | RT                                    | 36                  | 12                   |                     |                      |                                         | 12               |                       | 12         |                                  |                                                |                                               |                                      |                                                   |                                             |                                                                |                                  |  |  |  |
| ITS-318 | 3        | P.35      | 410+12.64          | RT | TO | 410+24.80 | RT                                    |                     | 13                   |                     |                      |                                         | 13               |                       | 13         |                                  |                                                |                                               |                                      |                                                   |                                             |                                                                |                                  |  |  |  |
| PB-306  | 3        | P.35      | 410+23.91          | RT |    |           | 140                                   |                     |                      |                     |                      |                                         | 1                | 1                     |            |                                  |                                                |                                               |                                      |                                                   |                                             |                                                                |                                  |  |  |  |
| ITS-319 | 3        | P.35      | 410+23.91          | RT | TO | 410+35.36 | RT                                    | 48                  |                      | 12                  |                      |                                         | 12               |                       | 12         |                                  |                                                |                                               |                                      |                                                   |                                             |                                                                |                                  |  |  |  |
|         |          |           |                    |    |    |           |                                       |                     |                      |                     |                      |                                         |                  |                       |            |                                  |                                                |                                               |                                      |                                                   |                                             |                                                                |                                  |  |  |  |
| ITS-320 | 3        | P.35      | 410+23.91          | RT | TO | 410+52.02 | RT                                    | 303                 |                      | 101                 |                      |                                         | 101              |                       | 101        |                                  |                                                |                                               |                                      |                                                   |                                             |                                                                |                                  |  |  |  |
| PB-307  | 3        | P.35      | 410+24.80          | RT |    |           |                                       |                     |                      |                     |                      |                                         |                  | 1                     |            |                                  |                                                |                                               |                                      |                                                   |                                             |                                                                |                                  |  |  |  |
| ITS-321 | 3        | P.35      | 410+24.80          | RT | TO | 410+35.36 | RT                                    |                     |                      |                     |                      |                                         | 11               |                       | 11         |                                  |                                                |                                               |                                      |                                                   |                                             |                                                                |                                  |  |  |  |
| ITS-322 | 3        | P.35      | 410+24.80          | RT | TO | 410+59.72 | RT                                    |                     |                      |                     |                      |                                         | 81               |                       | 81         |                                  |                                                |                                               |                                      |                                                   |                                             |                                                                |                                  |  |  |  |
| ITS-323 | 3        | P.35      | 410+35.36          | RT |    |           |                                       |                     |                      |                     |                      |                                         |                  | 1                     |            |                                  |                                                |                                               |                                      |                                                   |                                             |                                                                |                                  |  |  |  |
|         |          |           |                    |    |    |           |                                       |                     |                      |                     |                      |                                         |                  |                       |            |                                  |                                                |                                               |                                      |                                                   |                                             |                                                                |                                  |  |  |  |
| PB-308  | 3        | P.35      | 410+52.02          | RT |    |           | 80                                    |                     |                      |                     |                      |                                         | 1                | 1                     |            |                                  |                                                |                                               |                                      |                                                   |                                             |                                                                |                                  |  |  |  |
| ITS-324 | 3        | P.35      | 410+51.98          | RT | TO | 410+52.02 | RT                                    | 436                 |                      |                     | 109                  |                                         |                  |                       |            |                                  |                                                |                                               |                                      |                                                   |                                             |                                                                |                                  |  |  |  |
| PB-309  | 3        | P.35      | 410+52.02          | RT |    |           | 70                                    |                     |                      |                     |                      |                                         | 1                | 1                     |            |                                  |                                                |                                               |                                      |                                                   |                                             |                                                                |                                  |  |  |  |
|         |          |           |                    |    |    |           |                                       |                     |                      |                     |                      |                                         |                  |                       |            |                                  |                                                |                                               |                                      |                                                   |                                             |                                                                |                                  |  |  |  |
|         |          |           |                    |    |    |           |                                       |                     |                      |                     |                      |                                         |                  |                       |            |                                  |                                                |                                               |                                      |                                                   |                                             |                                                                |                                  |  |  |  |
|         |          |           |                    |    |    |           |                                       |                     |                      |                     |                      |                                         |                  |                       |            |                                  |                                                |                                               |                                      |                                                   |                                             |                                                                |                                  |  |  |  |
|         |          |           |                    |    |    |           |                                       |                     |                      |                     |                      |                                         |                  |                       |            |                                  |                                                |                                               |                                      |                                                   |                                             |                                                                |                                  |  |  |  |
|         |          |           |                    |    |    |           |                                       |                     |                      |                     |                      |                                         |                  |                       |            |                                  |                                                |                                               |                                      |                                                   |                                             |                                                                |                                  |  |  |  |
|         |          |           |                    |    |    |           |                                       |                     |                      |                     |                      |                                         |                  |                       |            |                                  |                                                |                                               |                                      |                                                   |                                             |                                                                |                                  |  |  |  |
|         |          |           |                    |    |    |           |                                       |                     |                      |                     |                      |                                         |                  |                       |            |                                  |                                                |                                               |                                      |                                                   |                                             |                                                                |                                  |  |  |  |
|         |          |           |                    |    |    |           |                                       |                     |                      |                     |                      |                                         |                  |                       |            |                                  |                                                |                                               |                                      |                                                   |                                             |                                                                |                                  |  |  |  |
|         |          |           |                    |    |    |           |                                       |                     |                      |                     |                      |                                         |                  |                       |            |                                  |                                                |                                               |                                      |                                                   |                                             |                                                                |                                  |  |  |  |
|         |          |           |                    |    |    |           |                                       |                     |                      |                     |                      |                                         |                  |                       |            |                                  |                                                |                                               |                                      |                                                   |                                             |                                                                |                                  |  |  |  |
|         |          |           |                    |    |    |           |                                       |                     |                      |                     |                      |                                         |                  |                       |            |                                  |                                                |                                               |                                      |                                                   |                                             |                                                                |                                  |  |  |  |
|         |          |           |                    |    |    |           |                                       |                     |                      |                     |                      |                                         |                  |                       |            |                                  |                                                |                                               |                                      |                                                   |                                             |                                                                |                                  |  |  |  |
|         |          |           |                    |    |    |           |                                       |                     |                      |                     |                      |                                         |                  |                       |            |                                  |                                                |                                               |                                      |                                                   |                                             |                                                                |                                  |  |  |  |
|         |          |           |                    |    |    |           |                                       |                     |                      |                     |                      |                                         |                  |                       |            |                                  |                                                |                                               |                                      |                                                   |                                             |                                                                |                                  |  |  |  |
|         |          |           |                    |    |    |           |                                       |                     |                      |                     |                      |                                         |                  |                       |            |                                  |                                                |                                               |                                      |                                                   |                                             |                                                                |                                  |  |  |  |
|         |          |           |                    |    |    |           |                                       |                     |                      |                     |                      |                                         |                  |                       |            |                                  |                                                |                                               |                                      |                                                   |                                             |                                                                |                                  |  |  |  |
|         |          |           |                    |    |    |           |                                       |                     |                      |                     |                      |                                         |                  |                       |            |                                  |                                                |                                               |                                      |                                                   |                                             |                                                                |                                  |  |  |  |
|         |          |           |                    |    |    |           |                                       |                     |                      |                     |                      |                                         |                  |                       |            |                                  |                                                |                                               |                                      |                                                   |                                             |                                                                |                                  |  |  |  |

|                                                         |                          |
|---------------------------------------------------------|--------------------------|
| <p>ITS SUBSUMMARY</p> <p>SITE 3 - SR 615 EB ON RAMP</p> |                          |
| <p>DESIGN AGENCY</p> <p><b>AECOM</b></p>                |                          |
| <p>DESIGNER</p> <p>SMS</p>                              |                          |
| <p>REVIEWER</p> <p>MAW 10-23-25</p>                     |                          |
| <p>PROJECT ID</p> <p>122092</p>                         |                          |
| <p>SHEET</p> <p>P.18</p>                                | <p>TOTAL</p> <p>P.66</p> |



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| REF NO. | SITE NO. | SHEET NO. | STATION TO STATION |    |    |           | 625                                   | 625                 | 625                  | 625                 | 625                  | 625                                     | 625              | 625                   | 625        | 630                              | 630                                            | 630                                           | 630                                  | 630                                               | 630                                         | 633                                                            |                                  |  |  |  |
|---------|----------|-----------|--------------------|----|----|-----------|---------------------------------------|---------------------|----------------------|---------------------|----------------------|-----------------------------------------|------------------|-----------------------|------------|----------------------------------|------------------------------------------------|-----------------------------------------------|--------------------------------------|---------------------------------------------------|---------------------------------------------|----------------------------------------------------------------|----------------------------------|--|--|--|
|         |          |           |                    |    |    |           | NO. 6 AWG 600 VOLT DISTRIBUTION CABLE | CONDUIT, 2", 725.04 | CONDUIT, 2", 725.051 | CONDUIT, 3", 725.04 | CONDUIT, 3", 725.051 | CONDUIT, JACKED OR DRILLED, 725.051, 2" | TRENCH, 30" DEEP | PULL BOX, 725.08, 24" | GROUND ROD | UNDERGROUND WARNING/MARKING TAPE | GROUND MOUNTED STRUCTURAL BEAM SUPPORT, S4X7.7 | GROUND MOUNTED STRUCTURAL BEAM SUPPORT, W8X18 | BREAKAWAY STRUCTURAL BEAM CONNECTION | GROUND MOUNTED STRUCTURAL BEAM SUPPORT FOUNDATION | REMOVAL OF GROUND MOUNTED SIGN AND DISPOSAL | REMOVAL OF GROUND MOUNTED STRUCTURAL BEAM SUPPORT AND DISPOSAL | CONTROLLER WORK PAD, AS PER PLAN |  |  |  |
|         |          |           |                    |    |    |           | FT                                    | FT                  | FT                   | FT                  | FT                   | FT                                      | EACH             | EACH                  | FT         | FT                               | FT                                             | EACH                                          | EACH                                 | EACH                                              | EACH                                        | EACH                                                           |                                  |  |  |  |
| ITS-401 | 4        | P.36      | 463+62.77          | LT |    |           |                                       |                     |                      |                     |                      |                                         | 1                |                       | 13         |                                  |                                                |                                               |                                      |                                                   |                                             |                                                                |                                  |  |  |  |
| ITS-402 | 4        | P.36      | 463+62.77          | LT | TO | 463+73.03 | LT                                    | 221                 |                      | 39                  |                      |                                         | 13               |                       |            |                                  |                                                |                                               |                                      |                                                   |                                             |                                                                |                                  |  |  |  |
| ITS-403 | 4        | P.36      | 462+41.18          | RT |    |           |                                       | 40                  | 20                   |                     |                      |                                         | 1                |                       |            | 45                               | 3                                              | 3                                             |                                      |                                                   |                                             |                                                                |                                  |  |  |  |
| ITS-404 | 4        | P.36      | 462+41.18          | RT | TO | 462+50.20 | RT                                    |                     | 20                   |                     |                      | 20                                      |                  | 20                    |            |                                  |                                                |                                               |                                      |                                                   |                                             |                                                                |                                  |  |  |  |
| ITS-405 | 4        | P.36      | 462+41.18          | RT | TO | 462+57.13 | RT                                    | 100                 | 25                   |                     |                      | 25                                      |                  | 25                    |            |                                  |                                                |                                               |                                      |                                                   |                                             |                                                                |                                  |  |  |  |
| ITS-406 | 4        | P.36      | 462+41.70          | RT |    |           |                                       | 30                  | 20                   |                     |                      |                                         | 1                |                       | 30         |                                  | 2                                              | 2                                             |                                      |                                                   | 1                                           |                                                                |                                  |  |  |  |
| ITS-407 | 4        | P.36      | 462+41.70          | RT | TO | 462+50.20 | RT                                    |                     | 10                   |                     |                      | 10                                      |                  | 10                    |            |                                  |                                                |                                               |                                      |                                                   |                                             |                                                                |                                  |  |  |  |
| ITS-408 | 4        | P.36      | 462+41.70          | RT | TO | 462+57.13 | RT                                    | 57                  | 19                   |                     |                      | 19                                      |                  | 19                    |            |                                  |                                                |                                               |                                      |                                                   |                                             |                                                                |                                  |  |  |  |
| ITS-409 | 4        | P.36      | 463+66.27          | LT |    |           |                                       |                     |                      |                     |                      |                                         | 1                |                       |            |                                  |                                                |                                               |                                      |                                                   |                                             |                                                                |                                  |  |  |  |
| ITS-410 | 4        | P.36      | 463+66.27          | LT | TO | 463+73.02 | LT                                    | 80                  |                      | 8                   |                      | 8                                       |                  | 8                     |            |                                  |                                                |                                               |                                      |                                                   |                                             |                                                                |                                  |  |  |  |
| ITS-411 | 4        | P.36      | 463+66.27          | LT | TO | 463+73.03 | LT                                    |                     |                      |                     |                      | 8                                       |                  | 8                     |            |                                  |                                                |                                               |                                      |                                                   |                                             |                                                                |                                  |  |  |  |
| ITS-412 | 4        | P.36      | 462+43.84          | RT |    |           |                                       | 30                  | 20                   |                     |                      |                                         | 1                |                       | 30         |                                  | 2                                              | 2                                             |                                      |                                                   | 1                                           |                                                                |                                  |  |  |  |
| ITS-413 | 4        | P.36      | 462+43.84          | RT | TO | 462+51.80 | RT                                    |                     | 9                    |                     |                      | 9                                       |                  | 9                     |            |                                  |                                                |                                               |                                      |                                                   |                                             |                                                                |                                  |  |  |  |
| ITS-414 | 4        | P.36      | 462+43.84          | RT | TO | 462+57.28 | RT                                    | 51                  | 17                   |                     |                      | 17                                      |                  | 17                    |            |                                  |                                                |                                               |                                      |                                                   |                                             |                                                                |                                  |  |  |  |
| ITS-415 | 4        | P.36      | 463+72.82          | RT | TO | 463+72.23 | RT                                    |                     |                      |                     |                      | 13                                      |                  | 13                    |            |                                  |                                                |                                               |                                      |                                                   |                                             |                                                                |                                  |  |  |  |
| ITS-416 | 4        | P.36      | 462+50.20          | RT | TO | 463+72.82 | RT                                    |                     |                      |                     |                      | 150                                     |                  | 150                   |            |                                  |                                                |                                               |                                      |                                                   |                                             |                                                                |                                  |  |  |  |
| PB-401  | 4        | P.36      | 463+73.02          | LT |    |           |                                       | 410                 |                      |                     |                      | 1                                       | 1                |                       |            |                                  |                                                |                                               |                                      |                                                   |                                             |                                                                |                                  |  |  |  |
| ITS-417 | 4        | P.36      | 463+72.90          | LT | TO | 462+57.13 | RT                                    | 1232                |                      | 352                 |                      | 176                                     |                  | 176                   |            |                                  |                                                |                                               |                                      |                                                   |                                             |                                                                |                                  |  |  |  |
| ITS-418 | 4        | P.36      | 463+72.90          | LT | TO | 463+63.25 | LT                                    | 413                 |                      |                     |                      | 118                                     |                  |                       |            |                                  |                                                |                                               |                                      |                                                   |                                             |                                                                |                                  |  |  |  |
| PB-402  | 4        | P.36      | 463+73.03          | LT |    |           |                                       |                     |                      |                     |                      |                                         | 1                |                       |            |                                  |                                                |                                               |                                      |                                                   |                                             |                                                                |                                  |  |  |  |
| ITS-419 | 4        | P.36      | 463+72.97          | RT | TO | 463+68.76 | LT                                    |                     |                      |                     |                      |                                         |                  |                       |            |                                  |                                                |                                               |                                      |                                                   |                                             |                                                                |                                  |  |  |  |
| PB-403  | 4        | P.36      | 462+50.20          | RT |    |           |                                       |                     |                      |                     |                      |                                         | 1                |                       |            |                                  |                                                |                                               |                                      |                                                   |                                             |                                                                |                                  |  |  |  |
| ITS-420 | 4        | P.36      | 462+51.65          | RT | TO | 462+51.80 | RT                                    |                     |                      |                     |                      |                                         |                  |                       |            |                                  |                                                |                                               |                                      |                                                   |                                             |                                                                |                                  |  |  |  |
| PB-404  | 4        | P.36      | 462+51.80          | RT |    |           |                                       |                     |                      |                     |                      |                                         | 1                |                       |            |                                  |                                                |                                               |                                      |                                                   |                                             |                                                                |                                  |  |  |  |
| PB-405  | 4        | P.36      | 462+57.13          | RT |    |           |                                       | 170                 |                      |                     |                      | 1                                       | 1                |                       |            |                                  |                                                |                                               |                                      |                                                   |                                             |                                                                |                                  |  |  |  |
| ITS-421 | 4        | P.36      | 462+57.11          | RT | TO | 462+57.28 | RT                                    | 243                 |                      |                     |                      | 81                                      |                  |                       |            |                                  |                                                |                                               |                                      |                                                   |                                             |                                                                |                                  |  |  |  |
| PB-406  | 4        | P.36      | 462+57.28          | RT |    |           |                                       | 60                  |                      |                     |                      |                                         | 1                | 1                     |            |                                  |                                                |                                               |                                      |                                                   |                                             |                                                                |                                  |  |  |  |
| ITS-422 | 4        | P.36      | 463+58.05          | LT |    |           |                                       | 36                  | 9                    |                     |                      |                                         | 1                |                       |            |                                  |                                                |                                               |                                      |                                                   |                                             |                                                                |                                  |  |  |  |
| ITS-423 | 4        | P.36      | 463+58.05          | LT | TO | 463+63.05 | LT                                    | 20                  |                      | 5                   |                      | 5                                       |                  | 5                     |            |                                  |                                                |                                               |                                      |                                                   |                                             |                                                                |                                  |  |  |  |
| PB-407  | 4        | P.36      | 463+63.05          | LT |    |           |                                       | 80                  |                      |                     |                      |                                         | 1                | 1                     |            |                                  |                                                |                                               |                                      |                                                   |                                             |                                                                |                                  |  |  |  |
| ITS-424 | 4        | P.36      | 463+63.09          | LT | TO | 463+63.05 | LT                                    | 84                  |                      | 21                  |                      |                                         |                  | 21                    |            |                                  |                                                |                                               |                                      |                                                   |                                             |                                                                |                                  |  |  |  |
| PB-408  | 4        | P.36      | 463+63.09          | LT |    |           |                                       | 140                 |                      |                     |                      |                                         | 1                | 1                     |            |                                  |                                                |                                               |                                      |                                                   |                                             |                                                                |                                  |  |  |  |
| ITS-425 | 4        | P.36      | 463+63.09          | LT | TO | 463+63.25 | LT                                    | 602                 |                      |                     |                      | 86                                      |                  |                       |            |                                  |                                                |                                               |                                      |                                                   |                                             |                                                                |                                  |  |  |  |
| ITS-426 | 4        | P.36      | 463+63.09          | LT | TO | 463+75.97 | LT                                    | 54                  | 18                   |                     |                      | 18                                      |                  | 18                    |            |                                  |                                                |                                               |                                      |                                                   |                                             |                                                                |                                  |  |  |  |
| PB-409  | 4        | P.36      | 463+63.25          | LT |    |           |                                       | 170                 |                      |                     |                      |                                         | 1                | 1                     |            |                                  |                                                |                                               |                                      |                                                   |                                             |                                                                |                                  |  |  |  |
| ITS-427 | 4        | P.36      | 463+63.25          | LT | TO | 463+77.19 | LT                                    | 57                  | 19                   |                     |                      | 19                                      |                  | 19                    |            |                                  |                                                |                                               |                                      |                                                   |                                             |                                                                |                                  |  |  |  |
| PB-410  | 4        | P.36      | 463+69.76          | LT |    |           |                                       |                     |                      |                     |                      |                                         | 1                |                       |            |                                  |                                                |                                               |                                      |                                                   |                                             |                                                                |                                  |  |  |  |
| ITS-428 | 4        | P.36      | 463+68.59          | LT | TO | 463+68.76 | LT                                    |                     |                      |                     |                      |                                         |                  |                       |            |                                  |                                                |                                               |                                      |                                                   |                                             |                                                                |                                  |  |  |  |
| ITS-429 | 4        | P.36      | 463+68.59          | LT | TO | 463+75.97 | LT                                    |                     | 7                    |                     |                      | 7                                       |                  | 7                     |            |                                  |                                                |                                               |                                      |                                                   |                                             |                                                                |                                  |  |  |  |
| PB-411  | 4        | P.36      | 463+66.68          | LT |    |           |                                       |                     |                      |                     |                      |                                         | 1                |                       |            |                                  |                                                |                                               |                                      |                                                   |                                             |                                                                |                                  |  |  |  |
| ITS-430 | 4        | P.36      | 463+68.76          | LT | TO | 463+77.19 | LT                                    |                     | 8                    |                     |                      | 8                                       |                  | 8                     |            |                                  |                                                |                                               |                                      |                                                   |                                             |                                                                |                                  |  |  |  |
| ITS-431 | 4        | P.36      | 463+75.98          | LT |    |           |                                       | 30                  | 20                   |                     |                      |                                         | 1                |                       | 30         |                                  | 2                                              | 2                                             |                                      |                                                   | 1                                           |                                                                |                                  |  |  |  |
| ITS-432 | 4        | P.36      | 463+77.19          | LT |    |           |                                       | 30                  | 20                   |                     |                      |                                         | 1                |                       | 30         |                                  | 2                                              | 2                                             |                                      |                                                   | 1                                           |                                                                |                                  |  |  |  |
|         |          |           |                    |    |    |           |                                       |                     |                      |                     |                      |                                         |                  |                       |            |                                  |                                                |                                               |                                      |                                                   |                                             |                                                                |                                  |  |  |  |
|         |          |           |                    |    |    |           |                                       |                     |                      |                     |                      |                                         |                  |                       |            |                                  |                                                |                                               |                                      |                                                   |                                             |                                                                |                                  |  |  |  |
|         |          |           |                    |    |    |           |                                       |                     |                      |                     |                      |                                         |                  |                       |            |                                  |                                                |                                               |                                      |                                                   |                                             |                                                                |                                  |  |  |  |
|         |          |           |                    |    |    |           |                                       |                     |                      |                     |                      |                                         |                  |                       |            |                                  |                                                |                                               |                                      |                                                   |                                             |                                                                |                                  |  |  |  |
|         |          |           |                    |    |    |           |                                       |                     |                      |                     |                      |                                         |                  |                       |            |                                  |                                                |                                               |                                      |                                                   |                                             |                                                                |                                  |  |  |  |
|         |          |           |                    |    |    |           |                                       |                     |                      |                     |                      |                                         |                  |                       |            |                                  |                                                |                                               |                                      |                                                   |                                             |                                                                |                                  |  |  |  |
|         |          |           |                    |    |    |           |                                       |                     |                      |                     |                      |                                         |                  |                       |            |                                  |                                                |                                               |                                      |                                                   |                                             |                                                                |                                  |  |  |  |
|         |          |           |                    |    |    |           |                                       |                     |                      |                     |                      |                                         |                  |                       |            |                                  |                                                |                                               |                                      |                                                   |                                             |                                                                |                                  |  |  |  |
|         |          |           |                    |    |    |           |                                       |                     |                      |                     |                      |                                         |                  |                       |            |                                  |                                                |                                               |                                      |                                                   |                                             |                                                                |                                  |  |  |  |
|         |          |           |                    |    |    |           |                                       |                     |                      |                     |                      |                                         |                  |                       |            |                                  |                                                |                                               |                                      |                                                   |                                             |                                                                |                                  |  |  |  |
|         |          |           |                    |    |    |           |                                       |                     |                      |                     |                      |                                         |                  |                       |            |                                  |                                                |                                               |                                      |                                                   |                                             |                                                                |                                  |  |  |  |
|         |          |           |                    |    |    |           |                                       |                     |                      |                     |                      |                                         |                  |                       |            |                                  |                                                |                                               |                                      |                                                   |                                             |                                                                |                                  |  |  |  |
|         |          |           |                    |    |    |           |                                       |                     |                      |                     |                      |                                         |                  |                       |            |                                  |                                                |                                               |                                      |                                                   |                                             |                                                                |                                  |  |  |  |
|         |          |           |                    |    |    |           |                                       |                     |                      |                     |                      |                                         |                  |                       |            |                                  |                                                |                                               |                                      |                                                   |                                             |                                                                |                                  |  |  |  |
|         |          |           |                    |    |    |           |                                       |                     |                      |                     |                      |                                         |                  |                       |            |                                  |                                                |                                               |                                      |                                                   |                                             |                                                                |                                  |  |  |  |
|         |          |           |                    |    |    |           |                                       |                     |                      |                     |                      |                                         |                  |                       |            |                                  |                                                |                                               |                                      |                                                   |                                             |                                                                |                                  |  |  |  |
|         |          |           |                    |    |    |           |                                       |                     |                      |                     |                      |                                         |                  |                       |            |                                  |                                                |                                               |                                      |                                                   |                                             |                                                                |                                  |  |  |  |
|         |          |           |                    |    |    |           |                                       |                     |                      |                     |                      |                                         |                  |                       |            |                                  |                                                |                                               |                                      |                                                   |                                             |                                                                |                                  |  |  |  |
|         |          |           |                    |    |    |           |                                       |                     |                      |                     |                      |                                         |                  |                       |            |                                  |                                                |                                               |                                      |                                                   |                                             |                                                                |                                  |  |  |  |
|         |          |           |                    |    |    |           |                                       |                     |                      |                     |                      |                                         |                  |                       |            |                                  |                                                |                                               |                                      |                                                   |                                             |                                                                |                                  |  |  |  |
|         |          |           |                    |    |    |           |                                       |                     |                      |                     |                      |                                         |                  |                       |            |                                  |                                                |                                               |                                      |                                                   |                                             |                                                                |                                  |  |  |  |
|         |          |           |                    |    |    |           |                                       |                     |                      |                     |                      |                                         |                  |                       |            |                                  |                                                |                                               |                                      |                                                   |                                             |                                                                |                                  |  |  |  |
|         |          |           |                    |    |    |           |                                       |                     |                      |                     |                      |                                         |                  |                       |            |                                  |                                                |                                               |                                      |                                                   |                                             |                                                                |                                  |  |  |  |
|         |          |           |                    |    |    |           |                                       |                     |                      |                     |                      |                                         |                  |                       |            |                                  |                                                |                                               |                                      |                                                   |                                             |                                                                |                                  |  |  |  |
|         |          |           |                    |    |    |           |                                       |                     |                      |                     |                      |                                         |                  |                       |            |                                  |                                                |                                               |                                      |                                                   |                                             |                                                                |                                  |  |  |  |
|         |          |           |                    |    |    |           |                                       |                     |                      |                     |                      |                                         |                  |                       |            |                                  |                                                |                                               |                                      |                                                   |                                             |                                                                |                                  |  |  |  |
|         |          |           |                    |    |    |           |                                       |                     |                      |                     |                      |                                         |                  |                       |            |                                  |                                                |                                               |                                      |                                                   |                                             |                                                                |                                  |  |  |  |
|         |          |           |                    |    |    |           |                                       |                     |                      |                     |                      |                                         |                  |                       |            |                                  |                                                |                                               |                                      |                                                   |                                             |                                                                |                                  |  |  |  |
|         |          |           |                    |    |    |           |                                       |                     |                      |                     |                      |                                         |                  |                       |            |                                  |                                                |                                               |                                      |                                                   |                                             |                                                                |                                  |  |  |  |
|         |          |           |                    |    |    |           |                                       |                     |                      |                     |                      |                                         |                  |                       |            |                                  |                                                |                                               |                                      |                                                   |                                             |                                                                |                                  |  |  |  |
|         |          |           |                    |    |    |           |                                       |                     |                      |                     |                      |                                         |                  |                       |            |                                  |                                                |                                               |                                      |                                                   |                                             |                                                                |                                  |  |  |  |
|         |          |           |                    |    |    |           |                                       |                     |                      |                     |                      |                                         |                  |                       |            |                                  |                                                |                                               |                                      |                                                   |                                             |                                                                |                                  |  |  |  |
|         |          |           |                    |    |    |           |                                       |                     |                      |                     |                      |                                         |                  |                       |            |                                  |                                                |                                               |                                      |                                                   |                                             |                                                                |                                  |  |  |  |
|         |          |           |                    |    |    |           |                                       |                     |                      |                     |                      |                                         |                  |                       |            |                                  |                                                |                                               |                                      |                                                   |                                             |                                                                |                                  |  |  |  |
|         |          |           |                    |    |    |           |                                       |                     |                      |                     |                      |                                         |                  |                       |            |                                  |                                                |                                               |                                      |                                                   |                                             |                                                                |                                  |  |  |  |
|         |          |           |                    |    |    |           |                                       |                     |                      |                     |                      |                                         |                  |                       |            |                                  |                                                |                                               |                                      |                                                   |                                             |                                                                |                                  |  |  |  |
|         |          |           |                    |    |    |           |                                       |                     |                      |                     |                      |                                         |                  |                       |            |                                  |                                                |                                               |                                      |                                                   |                                             |                                                                |                                  |  |  |  |
|         |          |           |                    |    |    |           |                                       |                     |                      |                     |                      |                                         |                  |                       |            |                                  |                                                |                                               |                                      |                                                   |                                             |                                                                |                                  |  |  |  |
|         |          |           |                    |    |    |           |                                       |                     |                      |                     |                      |                                         |                  |                       |            |                                  |                                                |                                               |                                      |                                                   |                                             |                                                                |                                  |  |  |  |
|         |          |           |                    |    |    |           |                                       |                     |                      |                     |                      |                                         |                  |                       |            |                                  |                                                |                                               |                                      |                                                   |                                             |                                                                |                                  |  |  |  |
|         |          |           |                    |    |    |           |                                       |                     |                      |                     |                      |                                         |                  |                       |            |                                  |                                                |                                               |                                      |                                                   |                                             |                                                                |                                  |  |  |  |
|         |          |           |                    |    |    |           |                                       |                     |                      |                     |                      |                                         |                  |                       |            |                                  |                                                |                                               |                                      |                                                   |                                             |                                                                |                                  |  |  |  |
|         |          |           |                    |    |    |           |                                       |                     |                      |                     |                      |                                         |                  |                       |            |                                  |                                                |                                               |                                      |                                                   |                                             |                                                                |                                  |  |  |  |
|         |          |           |                    |    |    |           |                                       |                     |                      |                     |                      |                                         |                  |                       |            |                                  |                                                |                                               |                                      |                                                   |                                             |                                                                |                                  |  |  |  |
|         |          |           |                    |    |    |           |                                       |                     |                      |                     |                      |                                         |                  |                       |            |                                  |                                                |                                               |                                      |                                                   |                                             |                                                                |                                  |  |  |  |
|         |          |           |                    |    |    |           |                                       |                     |                      |                     |                      |                                         |                  |                       |            |                                  |                                                |                                               |                                      |                                                   |                                             |                                                                |                                  |  |  |  |
|         |          |           |                    |    |    |           |                                       |                     |                      |                     |                      |                                         |                  |                       |            |                                  |                                                |                                               |                                      |                                                   |                                             |                                                                |                                  |  |  |  |



| REF NO.                     | SITE NO. | SHEET NO. | STATION TO STATION |    |    |           | 804                  | 809                                                               | 809                                                             | 809                                       | 809                                                 | 809                                                            | 809                        | 809                 | 809                | 809                                      | 809                                                 | 809                           |                              |                                                |                                                   |  |  |  |
|-----------------------------|----------|-----------|--------------------|----|----|-----------|----------------------|-------------------------------------------------------------------|-----------------------------------------------------------------|-------------------------------------------|-----------------------------------------------------|----------------------------------------------------------------|----------------------------|---------------------|--------------------|------------------------------------------|-----------------------------------------------------|-------------------------------|------------------------------|------------------------------------------------|---------------------------------------------------|--|--|--|
|                             |          |           |                    |    |    |           | DROP CABLE, 48 FIBER | ITS PULL BOX WITH PAD AND STANDARD LID ASSEMBLY, 32" WIDE, TYPE 1 | ITS PULL BOX WITH PAD AND HINGED LID ASSEMBLY, 32" WIDE, TYPE 1 | CONDUIT, MULTICELL, JACKED OR DRILLED, 4" | CONDUIT, 4", MULTICELL, HDPE WITH 4 - 1" INNERDUCTS | ITS POWER SERVICE POLE MOUNTED, 120/240V, 100 AMP, AS PER PLAN | CCTV IP-CAMERA SYSTEM, PTZ | CCTV POLE, 70' TALL | CCTV LOWERING UNIT | DYNAMIC MESSAGE SIGN (DMS), FRONT-ACCESS | VARIABLE SPEED LIMIT SIGN WITH BEACONS, AS PER PLAN | ETHERNET CABLE, OUTDOOR-RATED | ITS CABINET - GROUND MOUNTED | ITS CABINET - POWER DISTRIBUTION CABINET (PDC) | ITS DEVICE, MISC.:ROAD WEATHER INFORMATION SYSTEM |  |  |  |
|                             |          |           |                    |    |    |           | FT                   | EACH                                                              | EACH                                                            | FT                                        | FT                                                  | EACH                                                           | EACH                       | EACH                | EACH               | FT                                       | EACH                                                | EACH                          | EACH                         |                                                |                                                   |  |  |  |
| ITS-401                     | 4        | P.36      | 463+62.77          | LT |    |           |                      |                                                                   |                                                                 |                                           |                                                     |                                                                |                            |                     |                    |                                          |                                                     | 1                             |                              |                                                |                                                   |  |  |  |
| ITS-402                     | 4        | P.36      | 463+62.77          | LT | TO | 463+73.03 | LT                   |                                                                   |                                                                 |                                           |                                                     |                                                                |                            |                     |                    |                                          |                                                     |                               |                              |                                                |                                                   |  |  |  |
| ITS-403                     | 4        | P.36      | 462+41.18          | RT |    |           |                      |                                                                   |                                                                 |                                           |                                                     |                                                                |                            | 1                   |                    | 10                                       |                                                     |                               |                              |                                                |                                                   |  |  |  |
| ITS-404                     | 4        | P.36      | 462+41.18          | RT | TO | 462+50.20 | RT                   |                                                                   |                                                                 |                                           |                                                     |                                                                |                            |                     |                    | 20                                       |                                                     |                               |                              |                                                |                                                   |  |  |  |
| ITS-405                     | 4        | P.36      | 462+41.18          | RT | TO | 462+57.13 | RT                   |                                                                   |                                                                 |                                           |                                                     |                                                                |                            |                     |                    |                                          |                                                     |                               |                              |                                                |                                                   |  |  |  |
| ITS-406                     | 4        | P.36      | 462+41.70          | RT |    |           |                      |                                                                   |                                                                 |                                           |                                                     |                                                                |                            |                     | 1                  | 10                                       |                                                     |                               |                              |                                                |                                                   |  |  |  |
| ITS-407                     | 4        | P.36      | 462+41.70          | RT | TO | 462+50.20 | RT                   |                                                                   |                                                                 |                                           |                                                     |                                                                |                            |                     |                    | 10                                       |                                                     |                               |                              |                                                |                                                   |  |  |  |
| ITS-408                     | 4        | P.36      | 462+41.70          | RT | TO | 462+57.13 | RT                   |                                                                   |                                                                 |                                           |                                                     |                                                                |                            |                     |                    |                                          |                                                     |                               |                              |                                                |                                                   |  |  |  |
| ITS-409                     | 4        | P.36      | 463+66.27          | LT |    |           |                      |                                                                   |                                                                 |                                           |                                                     |                                                                |                            |                     |                    |                                          | 1                                                   |                               |                              |                                                |                                                   |  |  |  |
| ITS-410                     | 4        | P.36      | 463+66.27          | LT | TO | 463+73.02 | LT                   |                                                                   |                                                                 |                                           |                                                     |                                                                |                            |                     |                    |                                          |                                                     |                               |                              |                                                |                                                   |  |  |  |
| ITS-411                     | 4        | P.36      | 463+66.27          | LT | TO | 463+73.03 | LT                   | 8                                                                 |                                                                 |                                           | 16                                                  |                                                                |                            |                     |                    | 40                                       |                                                     |                               |                              |                                                |                                                   |  |  |  |
| ITS-412                     | 4        | P.36      | 462+43.84          | RT |    |           |                      |                                                                   |                                                                 |                                           |                                                     |                                                                |                            |                     | 1                  | 10                                       |                                                     |                               |                              |                                                |                                                   |  |  |  |
| ITS-413                     | 4        | P.36      | 462+43.84          | RT | TO | 462+51.80 | RT                   |                                                                   |                                                                 |                                           |                                                     |                                                                |                            |                     |                    | 9                                        |                                                     |                               |                              |                                                |                                                   |  |  |  |
| ITS-414                     | 4        | P.36      | 462+43.84          | RT | TO | 462+57.28 | RT                   |                                                                   |                                                                 |                                           |                                                     |                                                                |                            |                     |                    |                                          |                                                     |                               |                              |                                                |                                                   |  |  |  |
| ITS-415                     | 4        | P.36      | 463+72.82          | RT | TO | 463+72.23 | RT                   | 13                                                                |                                                                 |                                           | 26                                                  |                                                                |                            |                     |                    | 39                                       |                                                     |                               |                              |                                                |                                                   |  |  |  |
| ITS-416                     | 4        | P.36      | 462+50.20          | RT | TO | 463+72.82 | RT                   |                                                                   |                                                                 |                                           | 150                                                 |                                                                |                            |                     |                    | 450                                      |                                                     |                               |                              |                                                |                                                   |  |  |  |
| PB-401                      | 4        | P.36      | 463+73.02          | LT |    |           |                      |                                                                   |                                                                 |                                           |                                                     |                                                                |                            |                     |                    |                                          |                                                     |                               |                              |                                                |                                                   |  |  |  |
| ITS-417                     | 4        | P.36      | 463+72.90          | LT | TO | 462+57.13 | RT                   |                                                                   |                                                                 |                                           |                                                     |                                                                |                            |                     |                    |                                          |                                                     |                               |                              |                                                |                                                   |  |  |  |
| ITS-418                     | 4        | P.36      | 463+72.90          | LT | TO | 463+63.25 | LT                   |                                                                   |                                                                 |                                           |                                                     |                                                                |                            |                     |                    |                                          |                                                     |                               |                              |                                                |                                                   |  |  |  |
| PB-402                      | 4        | P.36      | 463+73.03          | LT |    |           |                      | 20                                                                | 1                                                               |                                           |                                                     |                                                                |                            |                     |                    | 100                                      |                                                     |                               |                              |                                                |                                                   |  |  |  |
| ITS-419                     | 4        | P.36      | 463+72.97          | RT | TO | 463+68.76 | LT                   |                                                                   |                                                                 |                                           | 74                                                  |                                                                |                            |                     |                    | 148                                      |                                                     |                               |                              |                                                |                                                   |  |  |  |
| PB-403                      | 4        | P.36      | 462+50.20          | RT |    |           |                      |                                                                   | 1                                                               |                                           |                                                     |                                                                |                            |                     |                    | 60                                       |                                                     |                               |                              |                                                |                                                   |  |  |  |
| ITS-420                     | 4        | P.36      | 462+51.65          | RT | TO | 462+51.80 | RT                   |                                                                   |                                                                 | 81                                        |                                                     |                                                                |                            |                     |                    | 81                                       |                                                     |                               |                              |                                                |                                                   |  |  |  |
| PB-404                      | 4        | P.36      | 462+51.80          | RT |    |           |                      |                                                                   | 1                                                               |                                           |                                                     |                                                                |                            |                     |                    | 20                                       |                                                     |                               |                              |                                                |                                                   |  |  |  |
| PB-405                      | 4        | P.36      | 462+57.13          | RT |    |           |                      |                                                                   |                                                                 |                                           |                                                     |                                                                |                            |                     |                    |                                          |                                                     |                               |                              |                                                |                                                   |  |  |  |
| ITS-421                     | 4        | P.36      | 462+57.11          | RT | TO | 462+57.28 | RT                   |                                                                   |                                                                 |                                           |                                                     |                                                                |                            |                     |                    |                                          |                                                     |                               |                              |                                                |                                                   |  |  |  |
| PB-406                      | 4        | P.36      | 462+57.28          | RT |    |           |                      |                                                                   |                                                                 |                                           |                                                     |                                                                |                            |                     |                    |                                          |                                                     |                               |                              |                                                |                                                   |  |  |  |
| ITS-422                     | 4        | P.36      | 463+58.05          | LT |    |           |                      |                                                                   |                                                                 | 1                                         |                                                     |                                                                |                            |                     |                    |                                          |                                                     |                               |                              |                                                |                                                   |  |  |  |
| ITS-423                     | 4        | P.36      | 463+58.05          | LT | TO | 463+63.05 | LT                   |                                                                   |                                                                 |                                           |                                                     |                                                                |                            |                     |                    |                                          |                                                     |                               |                              |                                                |                                                   |  |  |  |
| PB-407                      | 4        | P.36      | 463+63.05          | LT |    |           |                      |                                                                   |                                                                 |                                           |                                                     |                                                                |                            |                     |                    |                                          |                                                     |                               |                              |                                                |                                                   |  |  |  |
| ITS-424                     | 4        | P.36      | 463+63.09          | LT | TO | 463+63.05 | LT                   |                                                                   |                                                                 |                                           |                                                     |                                                                |                            |                     |                    |                                          |                                                     |                               |                              |                                                |                                                   |  |  |  |
| PB-408                      | 4        | P.36      | 463+63.09          | LT |    |           |                      |                                                                   |                                                                 |                                           |                                                     |                                                                |                            |                     |                    |                                          |                                                     |                               |                              |                                                |                                                   |  |  |  |
| ITS-425                     | 4        | P.36      | 463+63.09          | LT | TO | 463+63.25 | LT                   |                                                                   |                                                                 |                                           |                                                     |                                                                |                            |                     |                    |                                          |                                                     |                               |                              |                                                |                                                   |  |  |  |
| ITS-426                     | 4        | P.36      | 463+63.09          | LT | TO | 463+75.97 | LT                   |                                                                   |                                                                 |                                           |                                                     |                                                                |                            |                     |                    |                                          |                                                     |                               |                              |                                                |                                                   |  |  |  |
| PB-409                      | 4        | P.36      | 463+63.25          | LT |    |           |                      |                                                                   |                                                                 |                                           |                                                     |                                                                |                            |                     |                    |                                          |                                                     |                               |                              |                                                |                                                   |  |  |  |
| ITS-427                     | 4        | P.36      | 463+63.25          | LT | TO | 463+77.19 | LT                   |                                                                   |                                                                 |                                           |                                                     |                                                                |                            |                     |                    |                                          |                                                     |                               |                              |                                                |                                                   |  |  |  |
| PB-410                      | 4        | P.36      | 463+69.76          | LT |    |           |                      |                                                                   | 1                                                               |                                           |                                                     |                                                                |                            |                     |                    | 20                                       |                                                     |                               |                              |                                                |                                                   |  |  |  |
| ITS-428                     | 4        | P.36      | 463+68.59          | LT | TO | 463+68.76 | LT                   |                                                                   |                                                                 | 86                                        |                                                     |                                                                |                            |                     |                    | 86                                       |                                                     |                               |                              |                                                |                                                   |  |  |  |
| ITS-429                     | 4        | P.36      | 463+68.59          | LT | TO | 463+75.97 | LT                   |                                                                   |                                                                 |                                           |                                                     |                                                                |                            |                     |                    | 7                                        |                                                     |                               |                              |                                                |                                                   |  |  |  |
| PB-411                      | 4        | P.36      | 463+66.68          | LT |    |           |                      |                                                                   | 1                                                               |                                           |                                                     |                                                                |                            |                     |                    | 40                                       |                                                     |                               |                              |                                                |                                                   |  |  |  |
| ITS-430                     | 4        | P.36      | 463+68.76          | LT | TO | 463+77.19 | LT                   |                                                                   |                                                                 |                                           |                                                     |                                                                |                            |                     |                    | 8                                        |                                                     |                               |                              |                                                |                                                   |  |  |  |
| ITS-431                     | 4        | P.36      | 463+75.98          | LT |    |           |                      |                                                                   |                                                                 |                                           |                                                     |                                                                |                            |                     | 1                  | 10                                       |                                                     |                               |                              |                                                |                                                   |  |  |  |
| ITS-432                     | 4        | P.36      | 463+77.19          | LT |    |           |                      |                                                                   |                                                                 |                                           |                                                     |                                                                |                            |                     | 1                  | 10                                       |                                                     |                               |                              |                                                |                                                   |  |  |  |
|                             |          |           |                    |    |    |           |                      |                                                                   |                                                                 |                                           |                                                     |                                                                |                            |                     |                    |                                          |                                                     |                               |                              |                                                |                                                   |  |  |  |
|                             |          |           |                    |    |    |           |                      |                                                                   |                                                                 |                                           |                                                     |                                                                |                            |                     |                    |                                          |                                                     |                               |                              |                                                |                                                   |  |  |  |
|                             |          |           |                    |    |    |           |                      |                                                                   |                                                                 |                                           |                                                     |                                                                |                            |                     |                    |                                          |                                                     |                               |                              |                                                |                                                   |  |  |  |
|                             |          |           |                    |    |    |           |                      |                                                                   |                                                                 |                                           |                                                     |                                                                |                            |                     |                    |                                          |                                                     |                               |                              |                                                |                                                   |  |  |  |
|                             |          |           |                    |    |    |           |                      |                                                                   |                                                                 |                                           |                                                     |                                                                |                            |                     |                    |                                          |                                                     |                               |                              |                                                |                                                   |  |  |  |
|                             |          |           |                    |    |    |           |                      |                                                                   |                                                                 |                                           |                                                     |                                                                |                            |                     |                    |                                          |                                                     |                               |                              |                                                |                                                   |  |  |  |
| SUBTOTALS (CARRIED TO P.27) |          |           |                    |    |    |           | 41                   | 5                                                                 |                                                                 | 167                                       | 266                                                 | 1                                                              |                            |                     | 1                  | 4                                        | 1188                                                | 1                             | 1                            |                                                |                                                   |  |  |  |



| REF NO.                     | SITE NO. | SHEET NO. | STATION TO STATION |    |    |           | 625                                   | 625                 | 625                  | 625                 | 625                  | 625                                     | 625              | 625                   | 625        | 630                              | 630                                            | 630                                           | 630                                  | 630                                               | 630                                         | 633                                                            |                                  |    |    |    |    |
|-----------------------------|----------|-----------|--------------------|----|----|-----------|---------------------------------------|---------------------|----------------------|---------------------|----------------------|-----------------------------------------|------------------|-----------------------|------------|----------------------------------|------------------------------------------------|-----------------------------------------------|--------------------------------------|---------------------------------------------------|---------------------------------------------|----------------------------------------------------------------|----------------------------------|----|----|----|----|
|                             |          |           |                    |    |    |           | NO. 6 AWG 600 VOLT DISTRIBUTION CABLE | CONDUIT, 2", 725.04 | CONDUIT, 2", 725.051 | CONDUIT, 3", 725.04 | CONDUIT, 3", 725.051 | CONDUIT, JACKED OR DRILLED, 725.051, 2" | TRENCH, 30" DEEP | PULL BOX, 725.08, 24" | GROUND ROD | UNDERGROUND WARNING/MARKING TAPE | GROUND MOUNTED STRUCTURAL BEAM SUPPORT, S4X7.7 | GROUND MOUNTED STRUCTURAL BEAM SUPPORT, W8X18 | BREAKAWAY STRUCTURAL BEAM CONNECTION | GROUND MOUNTED STRUCTURAL BEAM SUPPORT FOUNDATION | REMOVAL OF GROUND MOUNTED SIGN AND DISPOSAL | REMOVAL OF GROUND MOUNTED STRUCTURAL BEAM SUPPORT AND DISPOSAL | CONTROLLER WORK PAD, AS PER PLAN |    |    |    |    |
|                             |          |           |                    |    |    |           |                                       |                     |                      |                     |                      |                                         |                  |                       |            |                                  |                                                |                                               |                                      |                                                   |                                             |                                                                |                                  | FT | FT | FT | FT |
| PB-501                      | 6        | P.37      | 515+42.62          | LT |    |           | 80                                    |                     |                      |                     |                      |                                         | 1                | 1                     |            |                                  |                                                |                                               |                                      |                                                   |                                             |                                                                |                                  |    |    |    |    |
| ITS-501                     | 6        | P.37      | 515+42.30          | LT | TO | 515+42.62 | LT                                    | 20                  |                      | 5                   |                      |                                         | 5                |                       | 5          |                                  |                                                |                                               |                                      |                                                   |                                             |                                                                |                                  |    |    |    |    |
| ITS-502                     | 6        | P.37      | 515+42.62          | LT | TO | 516+00.53 | LT                                    | 260                 |                      | 65                  |                      |                                         | 65               |                       | 65         |                                  |                                                |                                               |                                      |                                                   |                                             |                                                                |                                  |    |    |    |    |
| ITS-503                     | 6        | P.37      | 515+42.30          | LT |    |           | 36                                    | 9                   |                      |                     |                      |                                         |                  | 1                     |            |                                  |                                                |                                               |                                      |                                                   |                                             |                                                                |                                  |    |    |    |    |
| ITS-504                     | 6        | P.37      | 515+15.13          | RT |    |           | 30                                    | 20                  |                      |                     |                      |                                         |                  | 1                     |            | 30                               |                                                | 2                                             | 2                                    |                                                   |                                             | 1                                                              |                                  |    |    |    |    |
| ITS-505                     | 6        | P.37      | 515+15.13          | RT | TO | 515+23.39 | RT                                    |                     | 8                    |                     |                      | 8                                       |                  |                       | 8          |                                  |                                                |                                               |                                      |                                                   |                                             |                                                                |                                  |    |    |    |    |
| ITS-506                     | 6        | P.37      | 515+15.13          | RT | TO | 515+29.13 | RT                                    | 57                  | 19                   |                     |                      | 19                                      |                  |                       | 19         |                                  |                                                |                                               |                                      |                                                   |                                             |                                                                |                                  |    |    |    |    |
| ITS-507                     | 6        | P.37      | 515+14.18          | RT |    |           | 30                                    | 20                  |                      |                     |                      |                                         | 1                |                       | 30         |                                  | 2                                              | 2                                             |                                      |                                                   |                                             | 1                                                              |                                  |    |    |    |    |
| ITS-508                     | 6        | P.37      | 515+14.18          | RT | TO | 515+23.64 | RT                                    |                     | 10                   |                     |                      | 10                                      |                  |                       | 10         |                                  |                                                |                                               |                                      |                                                   |                                             |                                                                |                                  |    |    |    |    |
| ITS-509                     | 6        | P.37      | 515+14.18          | RT | TO | 515+29.25 | RT                                    | 60                  | 20                   |                     |                      | 20                                      |                  |                       | 20         |                                  |                                                |                                               |                                      |                                                   |                                             |                                                                |                                  |    |    |    |    |
| PB-502                      | 6        | P.37      | 515+23.39          | RT |    |           |                                       |                     |                      |                     |                      |                                         |                  | 1                     |            |                                  |                                                |                                               |                                      |                                                   |                                             |                                                                |                                  |    |    |    |    |
| ITS-510                     | 6        | P.37      | 515+23.39          | RT | TO | 515+23.64 | RT                                    |                     |                      |                     |                      |                                         |                  | 1                     |            |                                  |                                                |                                               |                                      |                                                   |                                             |                                                                |                                  |    |    |    |    |
| PB-503                      | 6        | P.37      | 515+23.64          | RT |    |           |                                       |                     |                      |                     |                      |                                         |                  | 1                     |            |                                  |                                                |                                               |                                      |                                                   |                                             |                                                                |                                  |    |    |    |    |
| ITS-511                     | 6        | P.37      | 515+23.64          | RT | TO | 516+65.44 | RT                                    |                     |                      |                     | 160                  |                                         |                  |                       | 160        |                                  |                                                |                                               |                                      |                                                   |                                             |                                                                |                                  |    |    |    |    |
| ITS-512                     | 6        | P.37      | 516+65.44          | RT | TO | 516+65.94 | LT                                    |                     |                      |                     |                      |                                         |                  |                       |            |                                  |                                                |                                               |                                      |                                                   |                                             |                                                                |                                  |    |    |    |    |
| PB-504                      | 6        | P.37      | 515+29.13          | RT |    |           | 60                                    |                     |                      |                     |                      |                                         | 1                | 1                     |            |                                  |                                                |                                               |                                      |                                                   |                                             |                                                                |                                  |    |    |    |    |
| ITS-513                     | 6        | P.37      | 515+29.13          | RT | TO | 515+29.25 | RT                                    | 255                 |                      |                     | 85                   |                                         |                  |                       |            |                                  |                                                |                                               |                                      |                                                   |                                             |                                                                |                                  |    |    |    |    |
| PB-505                      | 6        | P.37      | 515+29.25          | RT |    |           | 90                                    |                     |                      |                     |                      |                                         | 1                | 1                     |            |                                  |                                                |                                               |                                      |                                                   |                                             |                                                                |                                  |    |    |    |    |
| ITS-514                     | 6        | P.37      | 515+29.25          | RT | TO | 516+65.44 | RT                                    | 603                 |                      |                     |                      | 201                                     |                  |                       |            |                                  |                                                |                                               |                                      |                                                   |                                             |                                                                |                                  |    |    |    |    |
| PB-506                      | 6        | P.37      | 515+94.95          | LT |    |           |                                       |                     |                      |                     |                      |                                         |                  | 1                     |            |                                  |                                                |                                               |                                      |                                                   |                                             |                                                                |                                  |    |    |    |    |
| ITS-515                     | 6        | P.37      | 515+94.95          | LT | TO | 515+95.44 | LT                                    |                     |                      |                     |                      |                                         |                  |                       |            |                                  |                                                |                                               |                                      |                                                   |                                             |                                                                |                                  |    |    |    |    |
| ITS-516                     | 6        | P.37      | 515+94.95          | LT | TO | 516+09.31 | LT                                    |                     | 19                   |                     |                      | 19                                      |                  |                       | 19         |                                  |                                                |                                               |                                      |                                                   |                                             |                                                                |                                  |    |    |    |    |
| PB-507                      | 6        | P.37      | 515+95.44          | LT |    |           |                                       |                     |                      |                     |                      |                                         |                  | 1                     |            |                                  |                                                |                                               |                                      |                                                   |                                             |                                                                |                                  |    |    |    |    |
| ITS-517                     | 6        | P.37      | 515+95.44          | LT | TO | 516+09.21 | LT                                    |                     | 20                   |                     |                      | 20                                      |                  |                       | 20         |                                  |                                                |                                               |                                      |                                                   |                                             |                                                                |                                  |    |    |    |    |
| ITS-518                     | 6        | P.37      | 515+95.44          | LT | TO | 516+09.40 | LT                                    |                     | 28                   |                     |                      | 28                                      |                  |                       | 28         |                                  |                                                |                                               |                                      |                                                   |                                             |                                                                |                                  |    |    |    |    |
| ITS-519                     | 6        | P.37      | 515+95.44          | LT | TO | 516+65.94 | LT                                    |                     |                      |                     |                      | 136                                     |                  |                       | 136        |                                  |                                                |                                               |                                      |                                                   |                                             |                                                                |                                  |    |    |    |    |
| PB-508                      | 6        | P.37      | 516+00.53          | LT |    |           | 140                                   |                     |                      |                     |                      |                                         | 1                | 1                     |            |                                  |                                                |                                               |                                      |                                                   |                                             |                                                                |                                  |    |    |    |    |
| ITS-520                     | 6        | P.37      | 516+00.53          | LT | TO | 516+01.05 | LT                                    | 532                 |                      |                     | 152                  |                                         |                  |                       |            |                                  |                                                |                                               |                                      |                                                   |                                             |                                                                |                                  |    |    |    |    |
| ITS-521                     | 6        | P.37      | 516+00.53          | LT | TO | 516+09.31 | LT                                    | 27                  | 9                    |                     |                      | 9                                       |                  |                       | 9          |                                  |                                                |                                               |                                      |                                                   |                                             |                                                                |                                  |    |    |    |    |
| PB-509                      | 6        | P.37      | 516+01.05          | LT |    |           | 210                                   |                     |                      |                     |                      |                                         | 1                | 1                     |            |                                  |                                                |                                               |                                      |                                                   |                                             |                                                                |                                  |    |    |    |    |
| ITS-522                     | 6        | P.37      | 516+01.05          | LT | TO | 516+09.21 | LT                                    | 24                  | 8                    |                     |                      | 8                                       |                  |                       | 8          |                                  |                                                |                                               |                                      |                                                   |                                             |                                                                |                                  |    |    |    |    |
| ITS-523                     | 6        | P.37      | 516+01.05          | LT | TO | 516+09.40 | LT                                    | 96                  | 24                   |                     |                      | 24                                      |                  |                       | 24         |                                  |                                                |                                               |                                      |                                                   |                                             |                                                                |                                  |    |    |    |    |
| ITS-524                     | 6        | P.37      | 516+01.05          | LT | TO | 516+67.75 | LT                                    | 805                 |                      | 345                 |                      | 115                                     |                  |                       | 115        |                                  |                                                |                                               |                                      |                                                   |                                             |                                                                |                                  |    |    |    |    |
| ITS-525                     | 6        | P.37      | 516+09.21          | LT |    |           | 30                                    | 20                  |                      |                     |                      |                                         |                  | 1                     |            | 30                               |                                                | 2                                             | 2                                    |                                                   |                                             | 1                                                              |                                  |    |    |    |    |
| ITS-526                     | 6        | P.37      | 516+09.31          | LT |    |           | 30                                    | 20                  |                      |                     |                      |                                         |                  | 1                     |            | 30                               |                                                | 2                                             | 2                                    |                                                   |                                             | 1                                                              |                                  |    |    |    |    |
| ITS-527                     | 6        | P.37      | 516+09.40          | LT |    |           | 40                                    | 20                  |                      |                     |                      |                                         |                  |                       |            |                                  | 45                                             | 3                                             | 3                                    |                                                   |                                             |                                                                |                                  |    |    |    |    |
| PB-510                      | 6        | P.37      | 516+67.75          | LT |    |           | 370                                   |                     |                      |                     |                      |                                         | 1                | 1                     |            |                                  |                                                |                                               |                                      |                                                   |                                             |                                                                |                                  |    |    |    |    |
| ITS-528                     | 6        | P.37      | 516+59.34          | LT | TO | 516+67.75 | LT                                    | 80                  |                      | 8                   |                      | 8                                       |                  |                       | 8          |                                  |                                                |                                               |                                      |                                                   |                                             |                                                                |                                  |    |    |    |    |
| ITS-529                     | 6        | P.37      | 516+55.84          | LT | TO | 516+67.74 | RT                                    | 221                 |                      | 39                  |                      | 13                                      |                  |                       | 13         |                                  |                                                |                                               |                                      |                                                   |                                             |                                                                |                                  |    |    |    |    |
| PB-511                      | 6        | P.37      | 516+65.94          | LT |    |           |                                       |                     |                      |                     |                      |                                         |                  | 1                     |            |                                  |                                                |                                               |                                      |                                                   |                                             |                                                                |                                  |    |    |    |    |
| ITS-530                     | 6        | P.37      | 516+59.34          | LT | TO | 516+65.94 | LT                                    |                     |                      | 32                  |                      | 8                                       |                  |                       | 8          |                                  |                                                |                                               |                                      |                                                   |                                             |                                                                |                                  |    |    |    |    |
| ITS-531                     | 6        | P.37      | 516+48.18          | LT | TO | 516+65.94 | LT                                    |                     |                      |                     | 36                   | 18                                      |                  |                       | 18         |                                  |                                                |                                               |                                      |                                                   |                                             |                                                                |                                  |    |    |    |    |
| ITS-532                     | 6        | P.37      | 516+59.34          | LT |    |           |                                       |                     |                      |                     |                      |                                         |                  | 1                     |            |                                  |                                                |                                               |                                      |                                                   |                                             |                                                                |                                  |    |    |    |    |
| ITS-533                     | 6        | P.37      | 516+55.84          | LT |    |           |                                       |                     |                      |                     |                      |                                         |                  | 1                     |            |                                  |                                                |                                               |                                      |                                                   |                                             |                                                                |                                  |    |    |    |    |
| ITS-534                     | 6        | P.37      | 516+48.18          | LT |    |           |                                       |                     | 70                   |                     |                      |                                         |                  | 1                     |            |                                  |                                                |                                               |                                      |                                                   |                                             |                                                                |                                  |    |    |    |    |
|                             |          |           |                    |    |    |           |                                       |                     |                      |                     |                      |                                         |                  |                       |            |                                  |                                                |                                               |                                      |                                                   |                                             |                                                                |                                  |    |    |    |    |
|                             |          |           |                    |    |    |           |                                       |                     |                      |                     |                      |                                         |                  |                       |            |                                  |                                                |                                               |                                      |                                                   |                                             |                                                                |                                  |    |    |    |    |
|                             |          |           |                    |    |    |           |                                       |                     |                      |                     |                      |                                         |                  |                       |            |                                  |                                                |                                               |                                      |                                                   |                                             |                                                                |                                  |    |    |    |    |
|                             |          |           |                    |    |    |           |                                       |                     |                      |                     |                      |                                         |                  |                       |            |                                  |                                                |                                               |                                      |                                                   |                                             |                                                                |                                  |    |    |    |    |
| SUBTOTALS (CARRIED TO P.26) |          |           |                    |    |    |           | 4186                                  | 274                 | 494                  | 70                  | 36                   | 438                                     | 693              | 6                     | 20         | 693                              | 120                                            | 45                                            | 11                                   | 11                                                |                                             | 4                                                              |                                  |    |    |    |    |



| REF NO.                     | SITE NO. | SHEET NO. | STATION TO STATION |    |    |           | 804                        | 809                                                                             | 809                                                                        | 809                                                | 809                                                          | 809                                                                           | 809                                | 809                         | 809                        | 809                                                 | 809                                                            | 809                                 |                                      |                                                           |                                                              |  |  |  |  |
|-----------------------------|----------|-----------|--------------------|----|----|-----------|----------------------------|---------------------------------------------------------------------------------|----------------------------------------------------------------------------|----------------------------------------------------|--------------------------------------------------------------|-------------------------------------------------------------------------------|------------------------------------|-----------------------------|----------------------------|-----------------------------------------------------|----------------------------------------------------------------|-------------------------------------|--------------------------------------|-----------------------------------------------------------|--------------------------------------------------------------|--|--|--|--|
|                             |          |           |                    |    |    |           | DROP CABLE, 48 FIBER<br>FT | ITS PULL BOX WITH PAD AND<br>STANDARD LID ASSEMBLY, 32" WIDE,<br>TYPE 1<br>EACH | ITS PULL BOX WITH PAD AND HINGED<br>LID ASSEMBLY, 32" WIDE, TYPE 1<br>EACH | CONDUIT, MULTICELL, JACKED OR<br>DRILLED, 4"<br>FT | CONDUIT, 4", MULTICELL, HDPE WITH<br>4 - 1" INNERDUCTS<br>FT | ITS POWER SERVICE, POLE<br>MOUNTED, 120/240V, 100 AMP, AS<br>PER PLAN<br>EACH | CCTV IP-CAMERA SYSTEM, PTZ<br>EACH | CCTV POLE, 70' TALL<br>EACH | CCTV LOWERING UNIT<br>EACH | DYNAMIC MESSAGE SIGN (DMS),<br>FRONT-ACCESS<br>EACH | VARIABLE SPEED LIMIT SIGN WITH<br>BEACONS, AS PER PLAN<br>EACH | ETHERNET CABLE, OUTDOOR-RATED<br>FT | ITS CABINET - GROUND MOUNTED<br>EACH | ITS CABINET - POWER DISTRIBUTION<br>CABINET (PDC)<br>EACH | ITS DEVICE, MISC.-ROAD WEATHER<br>INFORMATION SYSTEM<br>EACH |  |  |  |  |
| PB-501                      | 6        | P.37      | 515+42.62          | LT |    |           |                            |                                                                                 |                                                                            |                                                    |                                                              |                                                                               |                                    |                             |                            |                                                     |                                                                |                                     |                                      |                                                           |                                                              |  |  |  |  |
| ITS-501                     | 6        | P.37      | 515+42.30          | LT | TO | 515+42.62 | LT                         |                                                                                 |                                                                            |                                                    |                                                              |                                                                               |                                    |                             |                            |                                                     |                                                                |                                     |                                      |                                                           |                                                              |  |  |  |  |
| ITS-502                     | 6        | P.37      | 515+42.62          | LT | TO | 516+00.53 | LT                         |                                                                                 |                                                                            |                                                    |                                                              |                                                                               |                                    |                             |                            |                                                     |                                                                |                                     |                                      |                                                           |                                                              |  |  |  |  |
| ITS-503                     | 6        | P.37      | 515+42.30          | LT |    |           |                            |                                                                                 |                                                                            | 1                                                  |                                                              |                                                                               |                                    |                             |                            |                                                     |                                                                |                                     |                                      |                                                           |                                                              |  |  |  |  |
| ITS-504                     | 6        | P.37      | 515+15.13          | RT |    |           |                            |                                                                                 |                                                                            |                                                    |                                                              |                                                                               |                                    | 1                           | 10                         |                                                     |                                                                |                                     |                                      |                                                           |                                                              |  |  |  |  |
|                             |          |           |                    |    |    |           |                            |                                                                                 |                                                                            |                                                    |                                                              |                                                                               |                                    |                             |                            |                                                     |                                                                |                                     |                                      |                                                           |                                                              |  |  |  |  |
| ITS-505                     | 6        | P.37      | 515+15.13          | RT | TO | 515+23.39 | RT                         |                                                                                 |                                                                            |                                                    |                                                              |                                                                               |                                    |                             | 8                          |                                                     |                                                                |                                     |                                      |                                                           |                                                              |  |  |  |  |
| ITS-506                     | 6        | P.37      | 515+15.13          | RT | TO | 515+29.13 | RT                         |                                                                                 |                                                                            |                                                    |                                                              |                                                                               |                                    |                             |                            |                                                     |                                                                |                                     |                                      |                                                           |                                                              |  |  |  |  |
| ITS-507                     | 6        | P.37      | 515+14.18          | RT |    |           |                            |                                                                                 |                                                                            |                                                    |                                                              |                                                                               |                                    | 1                           | 10                         |                                                     |                                                                |                                     |                                      |                                                           |                                                              |  |  |  |  |
| ITS-508                     | 6        | P.37      | 515+14.18          | RT | TO | 515+23.64 | RT                         |                                                                                 |                                                                            |                                                    |                                                              |                                                                               |                                    |                             | 10                         |                                                     |                                                                |                                     |                                      |                                                           |                                                              |  |  |  |  |
| ITS-509                     | 6        | P.37      | 515+14.18          | RT | TO | 515+29.25 | RT                         |                                                                                 |                                                                            |                                                    |                                                              |                                                                               |                                    |                             |                            |                                                     |                                                                |                                     |                                      |                                                           |                                                              |  |  |  |  |
|                             |          |           |                    |    |    |           |                            |                                                                                 |                                                                            |                                                    |                                                              |                                                                               |                                    |                             |                            |                                                     |                                                                |                                     |                                      |                                                           |                                                              |  |  |  |  |
| PB-502                      | 6        | P.37      | 515+23.39          | RT |    |           |                            | 1                                                                               |                                                                            |                                                    |                                                              |                                                                               |                                    |                             |                            | 20                                                  |                                                                |                                     |                                      |                                                           |                                                              |  |  |  |  |
| ITS-510                     | 6        | P.37      | 515+23.39          | RT | TO | 515+23.64 | RT                         |                                                                                 |                                                                            |                                                    | 84                                                           |                                                                               |                                    |                             |                            | 84                                                  |                                                                |                                     |                                      |                                                           |                                                              |  |  |  |  |
| PB-503                      | 6        | P.37      | 515+23.64          | RT |    |           |                            | 1                                                                               |                                                                            |                                                    |                                                              |                                                                               |                                    |                             |                            | 10                                                  |                                                                |                                     |                                      |                                                           |                                                              |  |  |  |  |
| ITS-511                     | 6        | P.37      | 515+23.64          | RT | TO | 516+65.44 | RT                         |                                                                                 |                                                                            |                                                    | 160                                                          |                                                                               |                                    |                             |                            | 320                                                 |                                                                |                                     |                                      |                                                           |                                                              |  |  |  |  |
| ITS-512                     | 6        | P.37      | 516+65.44          | RT | TO | 516+65.94 | LT                         | 26                                                                              |                                                                            |                                                    | 52                                                           |                                                                               |                                    |                             |                            | 52                                                  |                                                                |                                     |                                      |                                                           |                                                              |  |  |  |  |
|                             |          |           |                    |    |    |           |                            |                                                                                 |                                                                            |                                                    |                                                              |                                                                               |                                    |                             |                            |                                                     |                                                                |                                     |                                      |                                                           |                                                              |  |  |  |  |
| PB-504                      | 6        | P.37      | 515+29.13          | RT |    |           |                            |                                                                                 |                                                                            |                                                    |                                                              |                                                                               |                                    |                             |                            |                                                     |                                                                |                                     |                                      |                                                           |                                                              |  |  |  |  |
| ITS-513                     | 6        | P.37      | 515+29.13          | RT | TO | 515+29.25 | RT                         |                                                                                 |                                                                            |                                                    |                                                              |                                                                               |                                    |                             |                            |                                                     |                                                                |                                     |                                      |                                                           |                                                              |  |  |  |  |
| PB-505                      | 6        | P.37      | 515+29.25          | RT |    |           |                            |                                                                                 |                                                                            |                                                    |                                                              |                                                                               |                                    |                             |                            |                                                     |                                                                |                                     |                                      |                                                           |                                                              |  |  |  |  |
| ITS-514                     | 6        | P.37      | 515+29.25          | RT | TO | 516+65.44 | RT                         |                                                                                 |                                                                            |                                                    |                                                              |                                                                               |                                    |                             |                            |                                                     |                                                                |                                     |                                      |                                                           |                                                              |  |  |  |  |
| PB-506                      | 6        | P.37      | 515+94.95          | LT |    |           |                            | 1                                                                               |                                                                            |                                                    |                                                              |                                                                               |                                    |                             |                            | 20                                                  |                                                                |                                     |                                      |                                                           |                                                              |  |  |  |  |
|                             |          |           |                    |    |    |           |                            |                                                                                 |                                                                            |                                                    |                                                              |                                                                               |                                    |                             |                            |                                                     |                                                                |                                     |                                      |                                                           |                                                              |  |  |  |  |
| ITS-515                     | 6        | P.37      | 515+94.95          | LT | TO | 515+95.44 | LT                         |                                                                                 |                                                                            |                                                    | 76                                                           |                                                                               |                                    |                             |                            | 76                                                  |                                                                |                                     |                                      |                                                           |                                                              |  |  |  |  |
| ITS-516                     | 6        | P.37      | 515+94.95          | LT | TO | 516+09.31 | LT                         |                                                                                 |                                                                            |                                                    |                                                              |                                                                               |                                    |                             |                            | 19                                                  |                                                                |                                     |                                      |                                                           |                                                              |  |  |  |  |
| PB-507                      | 6        | P.37      | 515+95.44          | LT |    |           |                            | 1                                                                               |                                                                            |                                                    |                                                              |                                                                               |                                    |                             |                            | 60                                                  |                                                                |                                     |                                      |                                                           |                                                              |  |  |  |  |
| ITS-517                     | 6        | P.37      | 515+95.44          | LT | TO | 516+09.21 | LT                         |                                                                                 |                                                                            |                                                    |                                                              |                                                                               |                                    |                             |                            | 20                                                  |                                                                |                                     |                                      |                                                           |                                                              |  |  |  |  |
| ITS-518                     | 6        | P.37      | 515+95.44          | LT | TO | 516+09.40 | LT                         |                                                                                 |                                                                            |                                                    |                                                              |                                                                               |                                    |                             |                            | 28                                                  |                                                                |                                     |                                      |                                                           |                                                              |  |  |  |  |
|                             |          |           |                    |    |    |           |                            |                                                                                 |                                                                            |                                                    |                                                              |                                                                               |                                    |                             |                            |                                                     |                                                                |                                     |                                      |                                                           |                                                              |  |  |  |  |
| ITS-519                     | 6        | P.37      | 515+95.44          | LT | TO | 516+65.94 | LT                         |                                                                                 |                                                                            |                                                    | 136                                                          |                                                                               |                                    |                             |                            | 408                                                 |                                                                |                                     |                                      |                                                           |                                                              |  |  |  |  |
| PB-508                      | 6        | P.37      | 516+00.53          | LT |    |           |                            |                                                                                 |                                                                            |                                                    |                                                              |                                                                               |                                    |                             |                            |                                                     |                                                                |                                     |                                      |                                                           |                                                              |  |  |  |  |
| ITS-520                     | 6        | P.37      | 516+00.53          | LT | TO | 516+01.05 | LT                         |                                                                                 |                                                                            |                                                    |                                                              |                                                                               |                                    |                             |                            |                                                     |                                                                |                                     |                                      |                                                           |                                                              |  |  |  |  |
| ITS-521                     | 6        | P.37      | 516+00.53          | LT | TO | 516+09.31 | LT                         |                                                                                 |                                                                            |                                                    |                                                              |                                                                               |                                    |                             |                            |                                                     |                                                                |                                     |                                      |                                                           |                                                              |  |  |  |  |
| PB-509                      | 6        | P.37      | 516+01.05          | LT |    |           |                            |                                                                                 |                                                                            |                                                    |                                                              |                                                                               |                                    |                             |                            |                                                     |                                                                |                                     |                                      |                                                           |                                                              |  |  |  |  |
|                             |          |           |                    |    |    |           |                            |                                                                                 |                                                                            |                                                    |                                                              |                                                                               |                                    |                             |                            |                                                     |                                                                |                                     |                                      |                                                           |                                                              |  |  |  |  |
| ITS-522                     | 6        | P.37      | 516+01.05          | LT | TO | 516+09.21 | LT                         |                                                                                 |                                                                            |                                                    |                                                              |                                                                               |                                    |                             |                            |                                                     |                                                                |                                     |                                      |                                                           |                                                              |  |  |  |  |
| ITS-523                     | 6        | P.37      | 516+01.05          | LT | TO | 516+09.40 | LT                         |                                                                                 |                                                                            |                                                    |                                                              |                                                                               |                                    |                             |                            |                                                     |                                                                |                                     |                                      |                                                           |                                                              |  |  |  |  |
| ITS-524                     | 6        | P.37      | 516+01.05          | LT | TO | 516+67.75 | LT                         |                                                                                 |                                                                            |                                                    |                                                              |                                                                               |                                    |                             |                            |                                                     |                                                                |                                     |                                      |                                                           |                                                              |  |  |  |  |
| ITS-525                     | 6        | P.37      | 516+09.21          | LT |    |           |                            |                                                                                 |                                                                            |                                                    |                                                              |                                                                               |                                    | 1                           | 10                         |                                                     |                                                                |                                     |                                      |                                                           |                                                              |  |  |  |  |
| ITS-526                     | 6        | P.37      | 516+09.31          | LT |    |           |                            |                                                                                 |                                                                            |                                                    |                                                              |                                                                               |                                    | 1                           | 10                         |                                                     |                                                                |                                     |                                      |                                                           |                                                              |  |  |  |  |
|                             |          |           |                    |    |    |           |                            |                                                                                 |                                                                            |                                                    |                                                              |                                                                               |                                    |                             |                            |                                                     |                                                                |                                     |                                      |                                                           |                                                              |  |  |  |  |
| ITS-527                     | 6        | P.37      | 516+09.40          | LT |    |           |                            |                                                                                 |                                                                            |                                                    |                                                              |                                                                               |                                    | 1                           |                            | 10                                                  |                                                                |                                     |                                      |                                                           |                                                              |  |  |  |  |
| PB-510                      | 6        | P.37      | 516+67.75          | LT |    |           |                            |                                                                                 |                                                                            |                                                    |                                                              |                                                                               |                                    |                             |                            |                                                     |                                                                |                                     |                                      |                                                           |                                                              |  |  |  |  |
| ITS-528                     | 6        | P.37      | 516+59.34          | LT | TO | 516+67.75 | LT                         |                                                                                 |                                                                            |                                                    |                                                              |                                                                               |                                    |                             |                            |                                                     |                                                                |                                     |                                      |                                                           |                                                              |  |  |  |  |
| ITS-529                     | 6        | P.37      | 516+55.84          | LT | TO | 516+67.74 | RT                         |                                                                                 |                                                                            |                                                    |                                                              |                                                                               |                                    |                             |                            |                                                     |                                                                |                                     |                                      |                                                           |                                                              |  |  |  |  |
| PB-511                      | 6        | P.37      | 516+65.94          | LT |    |           |                            | 20                                                                              | 1                                                                          |                                                    |                                                              |                                                                               |                                    |                             |                            | 110                                                 |                                                                |                                     |                                      |                                                           |                                                              |  |  |  |  |
|                             |          |           |                    |    |    |           |                            |                                                                                 |                                                                            |                                                    |                                                              |                                                                               |                                    |                             |                            |                                                     |                                                                |                                     |                                      |                                                           |                                                              |  |  |  |  |
| ITS-530                     | 6        | P.37      | 516+59.34          | LT | TO | 516+65.94 | LT                         | 8                                                                               |                                                                            |                                                    |                                                              |                                                                               |                                    |                             |                            | 48                                                  |                                                                |                                     |                                      |                                                           |                                                              |  |  |  |  |
| ITS-531                     | 6        | P.37      | 516+48.18          | LT | TO | 516+65.94 | LT                         |                                                                                 |                                                                            |                                                    |                                                              |                                                                               |                                    |                             |                            | 18                                                  |                                                                |                                     |                                      |                                                           |                                                              |  |  |  |  |
| ITS-532                     | 6        | P.37      | 516+59.34          | LT |    |           |                            |                                                                                 |                                                                            |                                                    |                                                              |                                                                               |                                    |                             |                            |                                                     | 1                                                              |                                     |                                      |                                                           |                                                              |  |  |  |  |
| ITS-533                     | 6        | P.37      | 516+55.84          | LT |    |           |                            |                                                                                 |                                                                            |                                                    |                                                              |                                                                               |                                    |                             |                            |                                                     |                                                                | 1                                   |                                      |                                                           |                                                              |  |  |  |  |
| ITS-534                     | 6        | P.37      | 516+48.18          | LT |    |           |                            |                                                                                 |                                                                            |                                                    |                                                              | 1                                                                             | 1                                  | 1                           |                            | 70                                                  |                                                                |                                     |                                      |                                                           |                                                              |  |  |  |  |
|                             |          |           |                    |    |    |           |                            |                                                                                 |                                                                            |                                                    |                                                              |                                                                               |                                    |                             |                            |                                                     |                                                                |                                     |                                      |                                                           |                                                              |  |  |  |  |
|                             |          |           |                    |    |    |           |                            |                                                                                 |                                                                            |                                                    |                                                              |                                                                               |                                    |                             |                            |                                                     |                                                                |                                     |                                      |                                                           |                                                              |  |  |  |  |
|                             |          |           |                    |    |    |           |                            |                                                                                 |                                                                            |                                                    |                                                              |                                                                               |                                    |                             |                            |                                                     |                                                                |                                     |                                      |                                                           |                                                              |  |  |  |  |
|                             |          |           |                    |    |    |           |                            |                                                                                 |                                                                            |                                                    |                                                              |                                                                               |                                    |                             |                            |                                                     |                                                                |                                     |                                      |                                                           |                                                              |  |  |  |  |
| SUBTOTALS (CARRIED TO P.27) |          |           |                    |    |    |           | 54                         | 5                                                                               |                                                                            | 212                                                | 296                                                          | 1                                                                             | 1                                  | 1                           | 1                          | 4                                                   | 1431                                                           | 1                                   | 1                                    |                                                           |                                                              |  |  |  |  |

ITS SUBSUMMARY  
SITE 5 - KING MEMORIAL OVERPASS

DESIGN AGENCY  
**AECOM**

DESIGNER  
SMS

REVIEWER  
MAW 10-23-25

PROJECT ID  
122092

SHEET  
P.23

TOTAL  
P.66



|                                                                   |                          |
|-------------------------------------------------------------------|--------------------------|
| <p>ITS SUBSUMMARY</p> <p>SITE 6 - LAKE AND CONCORD REST AREAS</p> |                          |
| <p>DESIGN AGENCY</p> <p><b>AECOM</b></p>                          |                          |
| <p>DESIGNER</p> <p>SMS</p>                                        |                          |
| <p>REVIEWER</p> <p>MAW 10-23-25</p>                               |                          |
| <p>PROJECT ID</p> <p>122092</p>                                   |                          |
| <p>SHEET</p> <p>P.24</p>                                          | <p>TOTAL</p> <p>P.66</p> |



|                                                                                                             |                                 |
|-------------------------------------------------------------------------------------------------------------|---------------------------------|
| <p style="text-align: center;"> <b>ITS SUBSUMMARY</b><br/> <b>SITE 6 - LAKE AND CONCORD REST AREAS</b> </p> |                                 |
| <p>DESIGN AGENCY</p> <p style="text-align: center;"><b>AECOM</b></p>                                        |                                 |
| <p>DESIGNER</p> <p style="text-align: center;"><b>SMS</b></p>                                               |                                 |
| <p>REVIEWER</p> <p><b>MAW 10-23-25</b></p>                                                                  |                                 |
| <p>PROJECT ID</p> <p style="text-align: center;"><b>122092</b></p>                                          |                                 |
| <p>SHEET</p> <p><b>P.25</b></p>                                                                             | <p>TOTAL</p> <p><b>P.66</b></p> |



|                                                                                                                       |                                                             |
|-----------------------------------------------------------------------------------------------------------------------|-------------------------------------------------------------|
| <p style="text-align: center;"> <b>ITS SUBSUMMARY</b><br/> <b>SITE 7 - SR 44 INTERCHANGE ON RAMP FOR WB I-90</b> </p> |                                                             |
| <p>DESIGN AGENCY</p> <p style="text-align: center;"><b>AECOM</b></p>                                                  |                                                             |
| <p>DESIGNER</p> <p style="text-align: center;"><b>SMS</b></p>                                                         |                                                             |
| <p>REVIEWER</p> <p><b>MAW 10-23-25</b></p>                                                                            |                                                             |
| <p>PROJECT ID</p> <p style="text-align: center;"><b>122092</b></p>                                                    |                                                             |
| <p>SHEET</p> <p style="text-align: center;"><b>P.26</b></p>                                                           | <p>TOTAL</p> <p style="text-align: center;"><b>P.66</b></p> |



**LAK-90-8.77 VSL SIGNS**

MODEL: Plan 14 - Plan 1 [Sheet] PAPER SIZE: 34x22 (in.) DATE: 10/23/2025 TIME: 4:12:33 PM USER: PetersonH  
pw:\ohiodot-pw.bentley.com:ohiodot-pw-02\Documents\01 Active Projects\District 12\Lake\1220202\401-Engineering\_AECOM\Roadway\Sheets\1220202\_GS014.dgn

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|                                                                                                                       |                                  |
|-----------------------------------------------------------------------------------------------------------------------|----------------------------------|
| <p style="text-align: center;"> <b>ITS SUBSUMMARY</b><br/> <b>SITE 7 - SR 44 INTERCHANGE ON RAMP FOR WB I-90</b> </p> |                                  |
| <p>DESIGN AGENCY</p> <p style="text-align: center;"><b>AECOM</b></p>                                                  |                                  |
| <p>DESIGNER</p> <p style="text-align: center;"><b>SMS</b></p>                                                         |                                  |
| <p>REVIEWER</p> <p><b>MAW 10-23-25</b></p>                                                                            |                                  |
| <p>PROJECT ID</p> <p style="text-align: center;"><b>122092</b></p>                                                    |                                  |
| <p>SHEET</p> <p><b>P. 27</b></p>                                                                                      | <p>TOTAL</p> <p><b>P. 66</b></p> |



|                                              |                 |
|----------------------------------------------|-----------------|
| <b>ITS SUBSUMMARY<br/>SITE 8 - AUBURN RD</b> |                 |
| DESIGN AGENCY                                |                 |
| <b>AECOM</b>                                 |                 |
| DESIGNER                                     |                 |
| <b>HMP</b>                                   |                 |
| REVIEWER                                     |                 |
| <b>MAW</b>                                   | <b>10-23-25</b> |
| PROJECT ID                                   |                 |
| <b>122092</b>                                |                 |
| SHEET                                        | TOTAL           |
| <b>P.28</b>                                  | <b>P.66</b>     |



|                                                                                                             |       |
|-------------------------------------------------------------------------------------------------------------|-------|
| <h1 style="text-align: center;">ITS SUBSUMMARY</h1> <h2 style="text-align: center;">SITE 8 - AUBURN RD</h2> |       |
| DESIGN AGENCY                                                                                               |       |
|                        |       |
| DESIGNER                                                                                                    |       |
| HMP                                                                                                         |       |
| REVIEWER                                                                                                    |       |
| MAW 10-23-25                                                                                                |       |
| PROJECT ID                                                                                                  |       |
| 122092                                                                                                      |       |
| SHEET                                                                                                       | TOTAL |
| P.29                                                                                                        | P.66  |

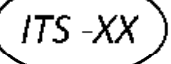
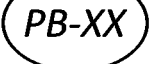


[illegible]



|                                                                                       |              |
|---------------------------------------------------------------------------------------|--------------|
| GUARDRAIL SUBSUMMARY                                                                  |              |
| DESIGN AGENCY                                                                         |              |
|  |              |
| DESIGNER                                                                              | HMP          |
| REVIEWER                                                                              | MAW 10-23-25 |
| PROJECT ID                                                                            | 122092       |
| SHEET                                                                                 | TOTAL        |
| P.31                                                                                  | P.66         |

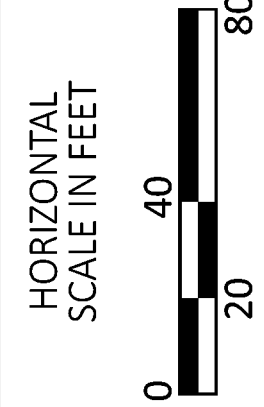


-  PROPOSED VSL SIGN
-  PROPOSED PULL BOX, 32", ITS OR TRAFFIC
-  PROPOSED PULL BOX, 24", ELECTRIC
-  PROPOSED FIBER OPTIC MICRO-DUCT PATHWAY
-  PROPOSED TRAFFIC CONDUIT (OPEN CUT)
-  PROPOSED TRAFFIC CONDUIT (JACKED OR DRILLED)
-  PROPOSED POWER CONDUIT (OPEN-CUT)
-  PROPOSED POWER CONDUIT (JACKED OR DRILLED)
-  EXISTING GUARDRAIL
-  PROPOSED GUARDRAIL
-  PROPOSED CCTV CAMERA, CONCRETE POLE, ELECTRIC PULL BOX, TRAFFIC PULL BOX, ITS CABINET, PDC CABINET AND WORK PAD
-  PROPOSED ITS CABINET AND WORK PAD
-  EXISTING POWER POLE
-  PROPOSED POWER POLE
-  PROPOSED FRONT-ACCESS DMS
-  PROPOSED RWIS
-  PROPOSED SOIL BORING
-  PROPOSED SITE ACCESS PARKING
-  FUTURE TEMPORARY PAVEMENT ASSOCIATED WITH FUTURE LAK-90-6.99, PID 116955 PROJECT
-  ITS ITEM
-  PULLBOX ITEM
-  ACCESS PARKING ITEM
-  GUARDRAIL ITEM

NOTES:

EXISTING UTILITY LOCATIONS ARE FOR REFERENCE ONLY AND MAY NOT BE EXACT.  
CONTRACTOR SHALL HAVE ALL EXISTING UTILITIES MARKED BEFORE DIGGING.  
AERIAL/OVERHEAD UTILITY LINES ARE NOT SHOWN. SEE UTILITY NOTE IN PLAN  
GENERAL NOTES FOR MORE INFO.

VSL SIGNS SITE PLANS  
LEGEND



DESIGN AGENCY

AECOM

DESIGNER

SMS

REVIEWER

MAW 10-23-25

PROJECT ID

122092

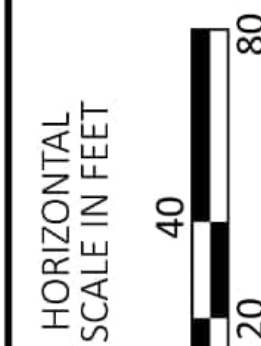
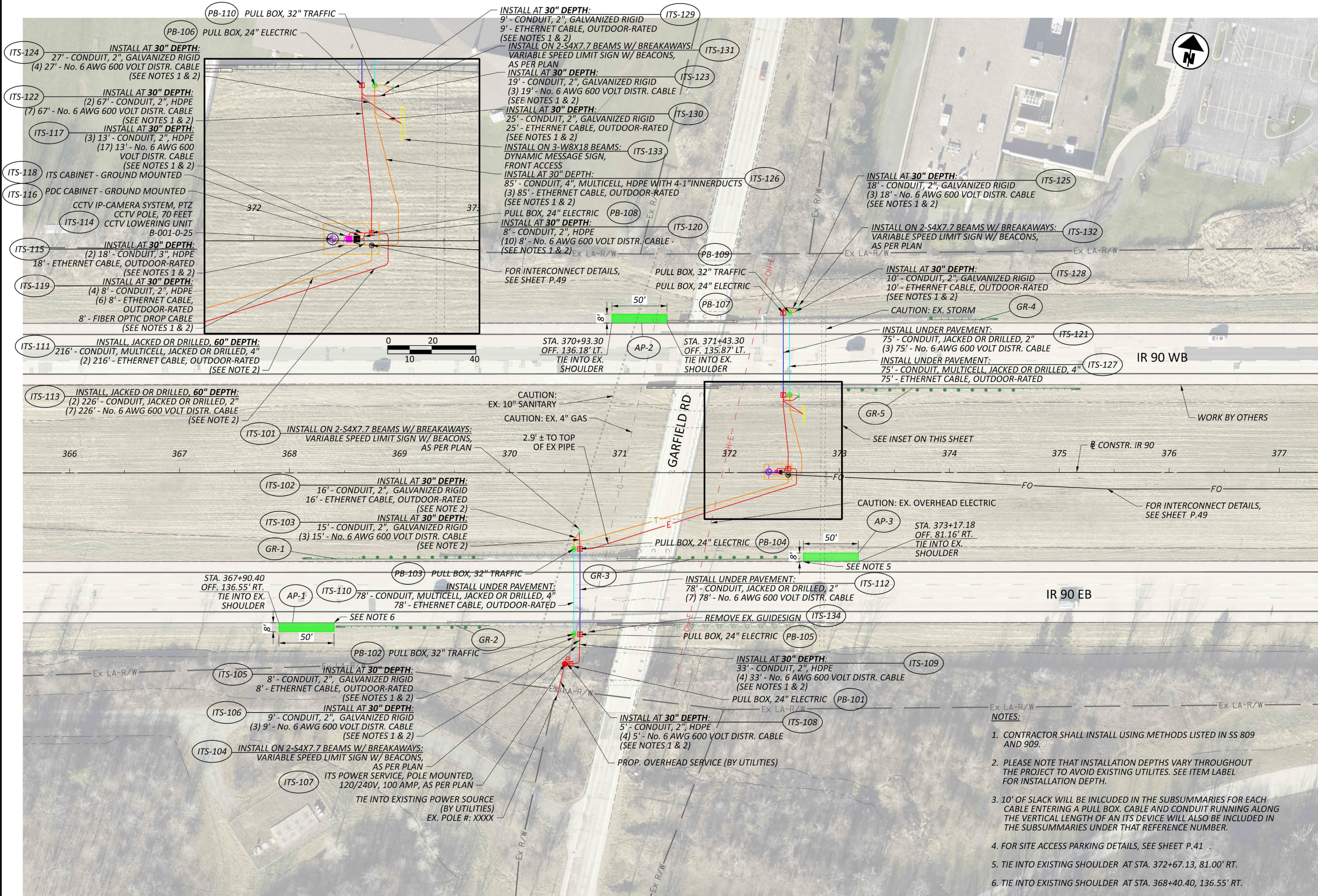
SHEET

P.32

TOTAL

P.66



SITE 1  
GARFIELD ROAD OVERPASS

DESIGN AGENCY

AECOM

DESIGNER

SMS

REVIEWER

MAW 10-23-25

PROJECT ID

122092

SHEET

P.33

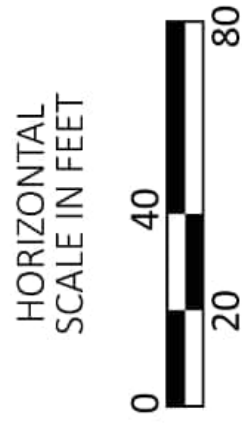
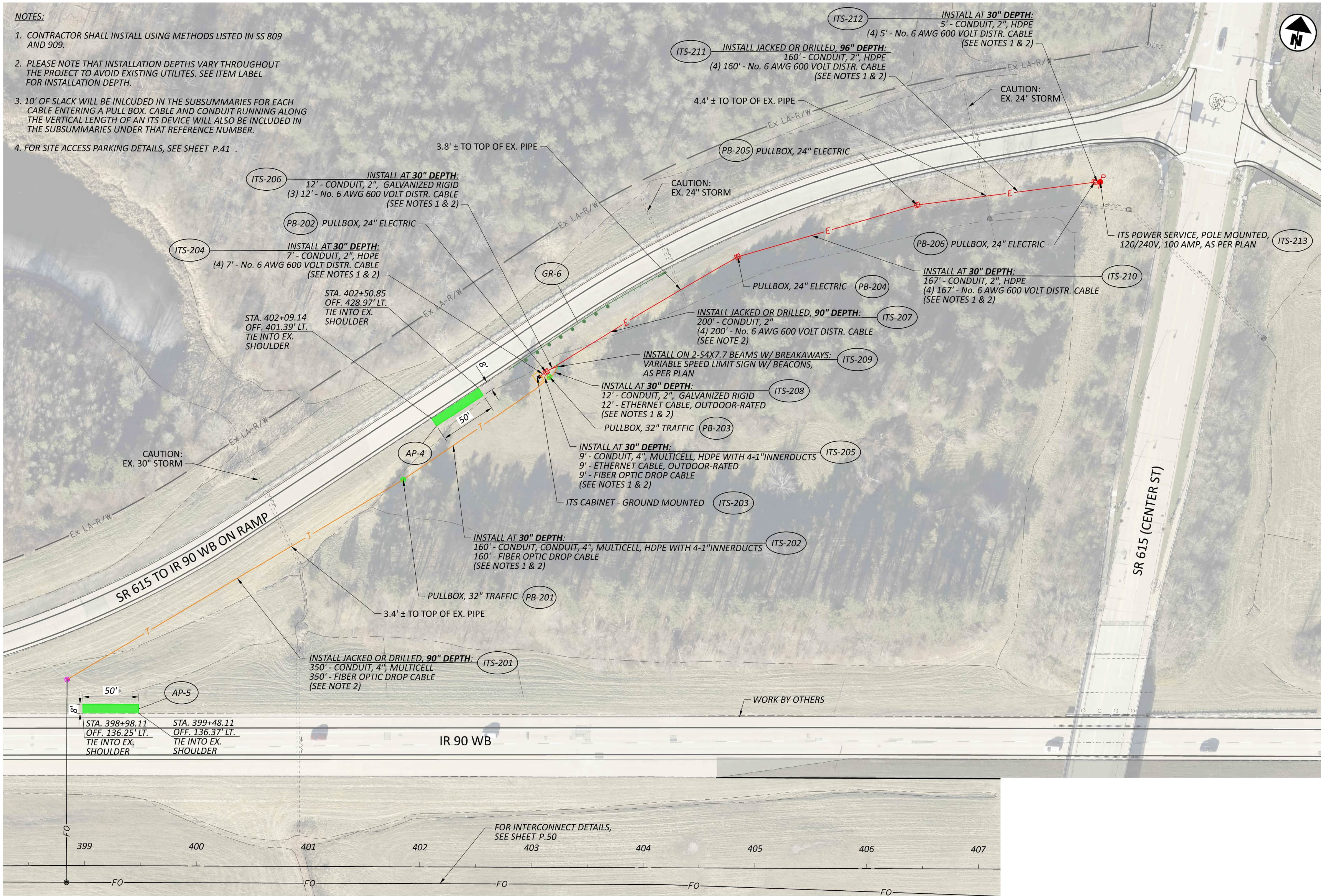
TOTAL

P.66



NOTES:

1. CONTRACTOR SHALL INSTALL USING METHODS LISTED IN SS 809 AND 909.
2. PLEASE NOTE THAT INSTALLATION DEPTHS VARY THROUGHOUT THE PROJECT TO AVOID EXISTING UTILITIES. SEE ITEM LABEL FOR INSTALLATION DEPTH.
3. 10' OF SLACK WILL BE INCLUDED IN THE SUBSUMMARIES FOR EACH CABLE ENTERING A PULL BOX. CABLE AND CONDUIT RUNNING ALONG THE VERTICAL LENGTH OF AN ITS DEVICE WILL ALSO BE INCLUDED IN THE SUBSUMMARIES UNDER THAT REFERENCE NUMBER.
4. FOR SITE ACCESS PARKING DETAILS, SEE SHEET P.41 .



SITE 2  
SR615 WB ON RAMP

DESIGN AGENCY

AECOM

DESIGNER

SMS

REVIEWER

MAW 10-23-25

PROJECT ID

122092

SHEET

P.34

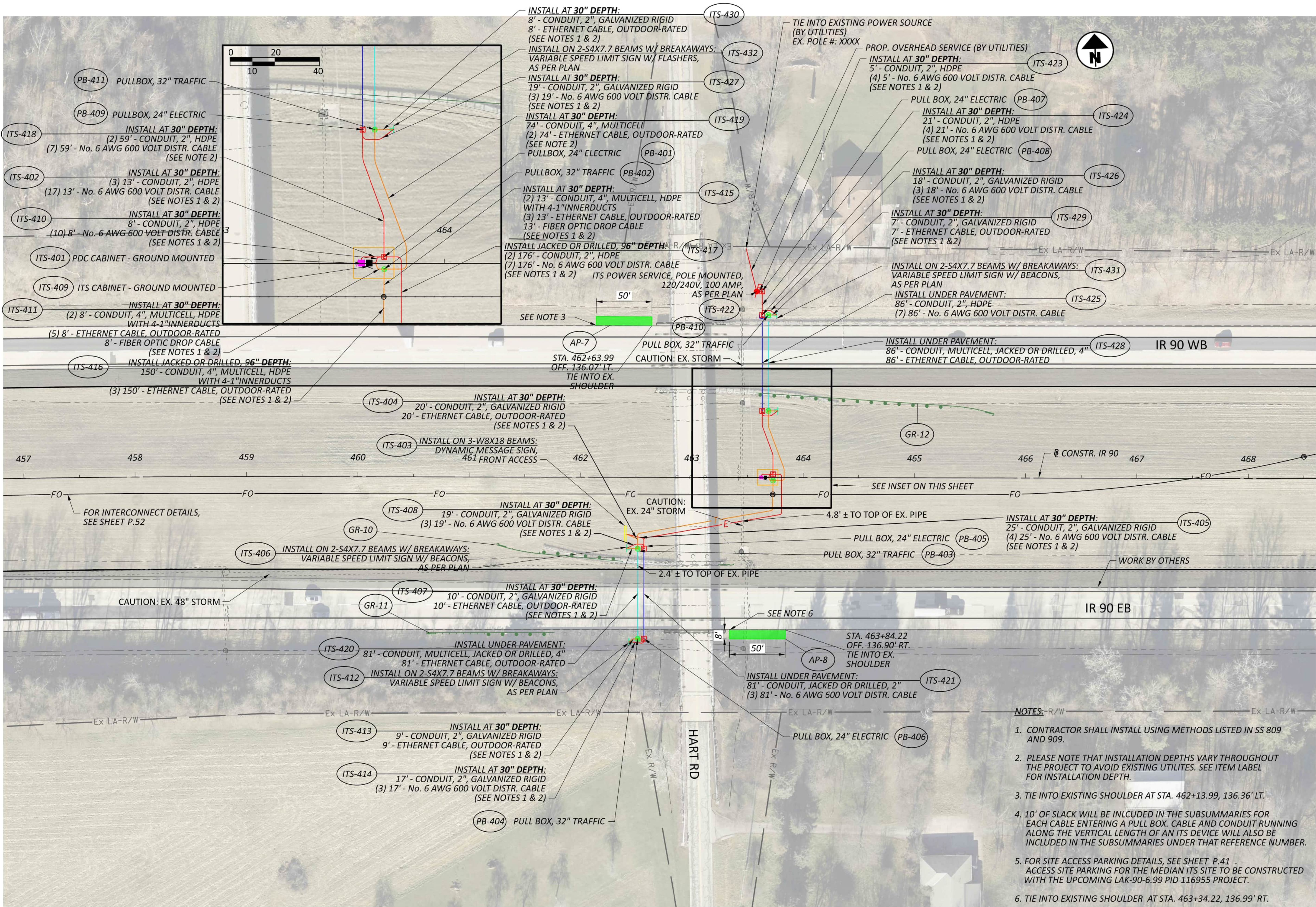
TOTAL

P.66









- NOTES:** -R/W
1. CONTRACTOR SHALL INSTALL USING METHODS LISTED IN SS 809 AND 909.
  2. PLEASE NOTE THAT INSTALLATION DEPTHS VARY THROUGHOUT THE PROJECT TO AVOID EXISTING UTILITES. SEE ITEM LABEL FOR INSTALLATION DEPTH.
  3. TIE INTO EXISTING SHOULDER AT STA. 462+13.99, 136.36' LT.
  4. 10' OF SLACK WILL BE INLCUDED IN THE SUBSUMMARIES FOR EACH CABLE ENTERING A PULL BOX. CABLE AND CONDUIT RUNNING ALONG THE VERTICAL LENGTH OF AN ITS DEVICE WILL ALSO BE INCLUDED IN THE SUBSUMMARIES UNDER THAT REFERENCE NUMBER.
  5. FOR SITE ACCESS PARKING DETAILS, SEE SHEET P.41 . ACCESS SITE PARKING FOR THE MEDIAN ITS SITE TO BE CONSTRUCTED WITH THE UPCOMING LAK-90-6.99 PID 116955 PROJECT.
  6. TIE INTO EXISTING SHOULDER AT STA. 463+34.22, 136.99' RT.



**SITE 4  
HART ROAD OVERPASS**

DESIGN AGENCY

**AECOM**

DESIGNER

SMS

REVIEWER

MAW 10-23-25

PROJECT ID

122092

SHEET

P.36

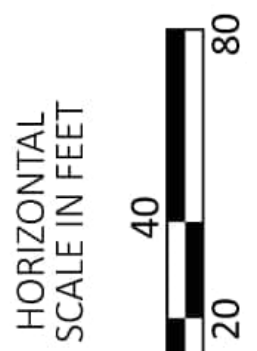
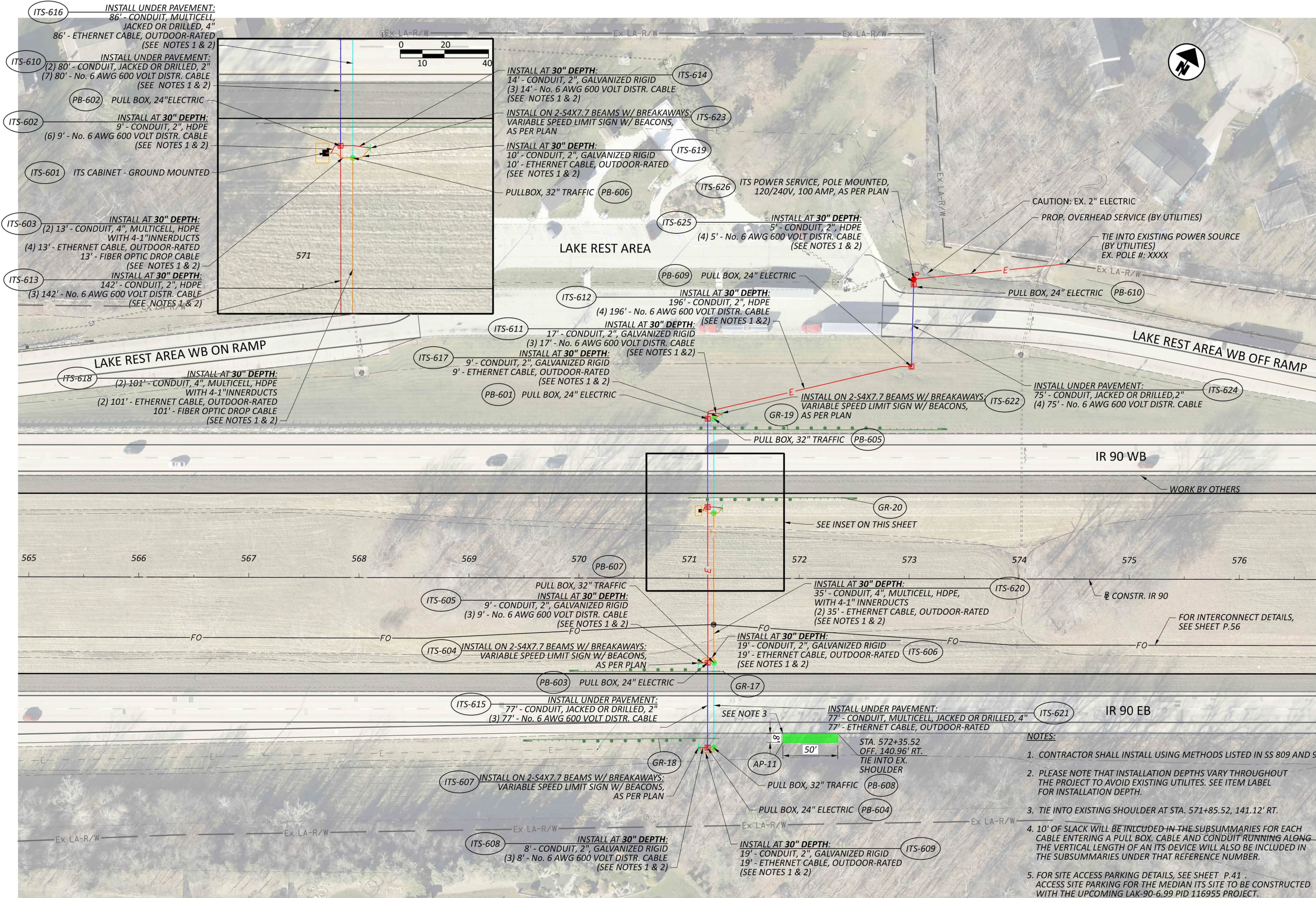
TOTAL

P.66









SITE 6  
LAKE AND CONCORD REST AREAS

DESIGN AGENCY

**AECOM**

DESIGNER

SMS

REVIEWER

MAW 10-23-25

PROJECT ID

122092

SHEET

P.38

TOTAL

P.66





HORIZONTAL  
SCALE IN FEET



20 40 80

## DESIGN AGENCY

**AECOM**

DESIGNER  
SMS

REVIEWER  
MAW 10-23-25

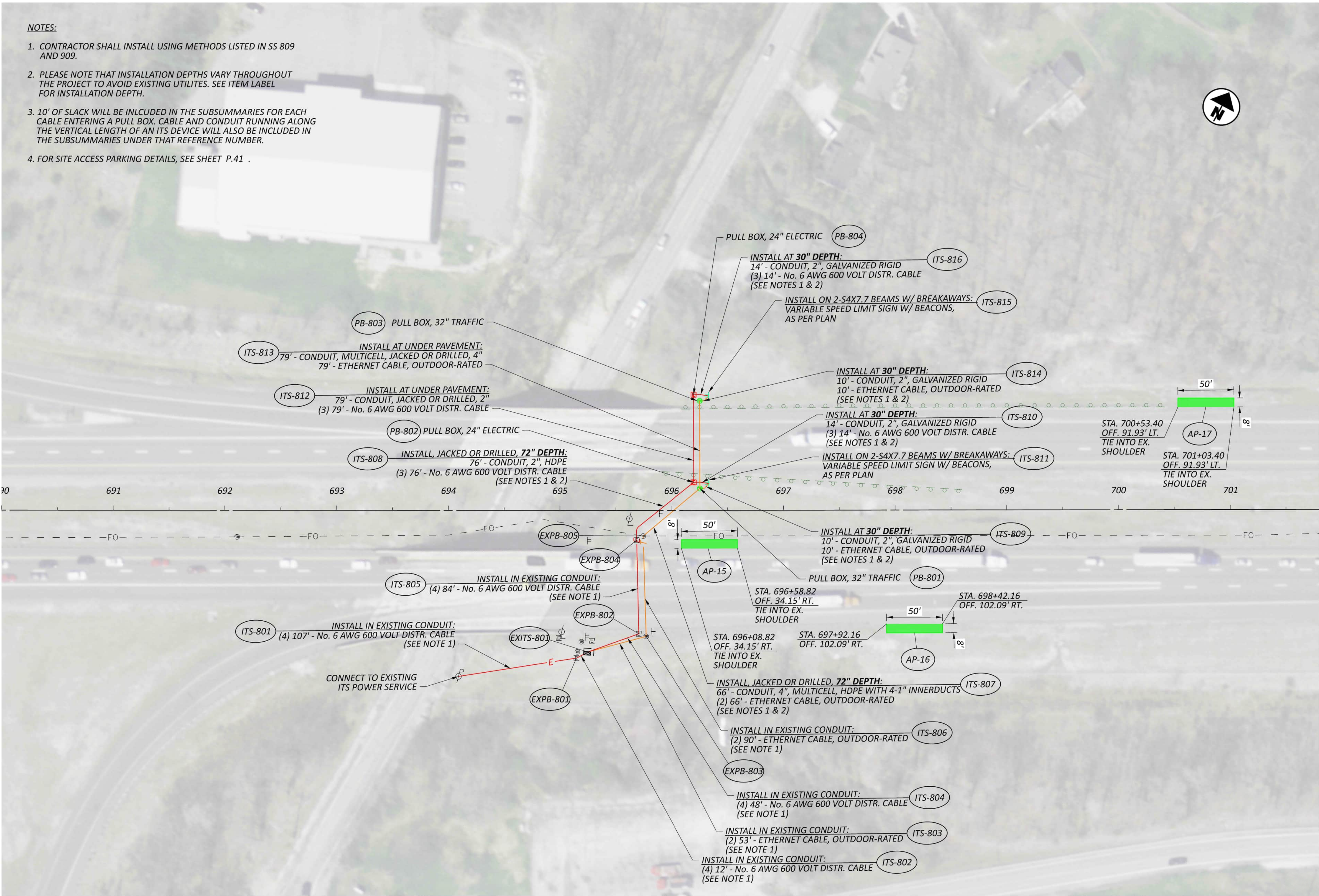
|            |
|------------|
| PROJECT ID |
| 122092     |

|       |       |
|-------|-------|
| SHEET | TOTAL |
| P.39  | P.66  |



NOTES:

1. CONTRACTOR SHALL INSTALL USING METHODS LISTED IN SS 809 AND 909.
2. PLEASE NOTE THAT INSTALLATION DEPTHS VARY THROUGHOUT THE PROJECT TO AVOID EXISTING UTILITIES. SEE ITEM LABEL FOR INSTALLATION DEPTH.
3. 10' OF SLACK WILL BE INCLUDED IN THE SUBSUMMARIES FOR EACH CABLE ENTERING A PULL BOX. CABLE AND CONDUIT RUNNING ALONG THE VERTICAL LENGTH OF AN ITS DEVICE WILL ALSO BE INCLUDED IN THE SUBSUMMARIES UNDER THAT REFERENCE NUMBER.
4. FOR SITE ACCESS PARKING DETAILS, SEE SHEET P.41 .



HORIZONTAL  
SCALE IN FEET

0 20 40 80

SITE 8  
AUBURN RD

DESIGN AGENCY

AECOM

DESIGNER

HMP

REVIEWER

MAW 10-23-25

PROJECT ID

122092

SHEET

P.40

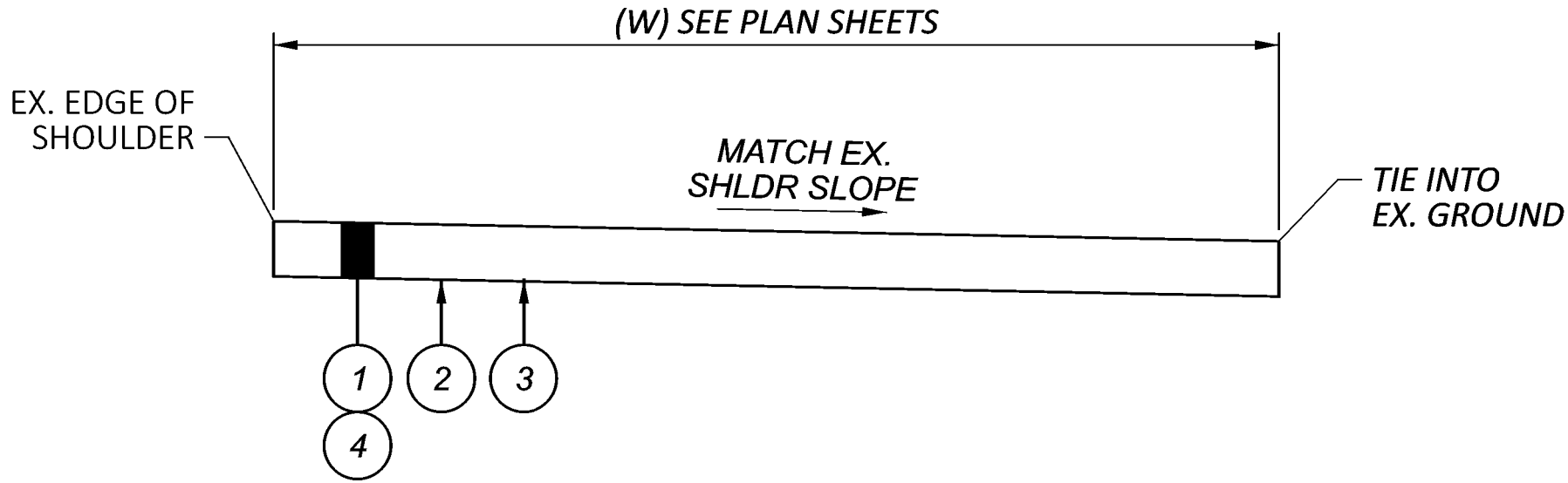
TOTAL

P.66

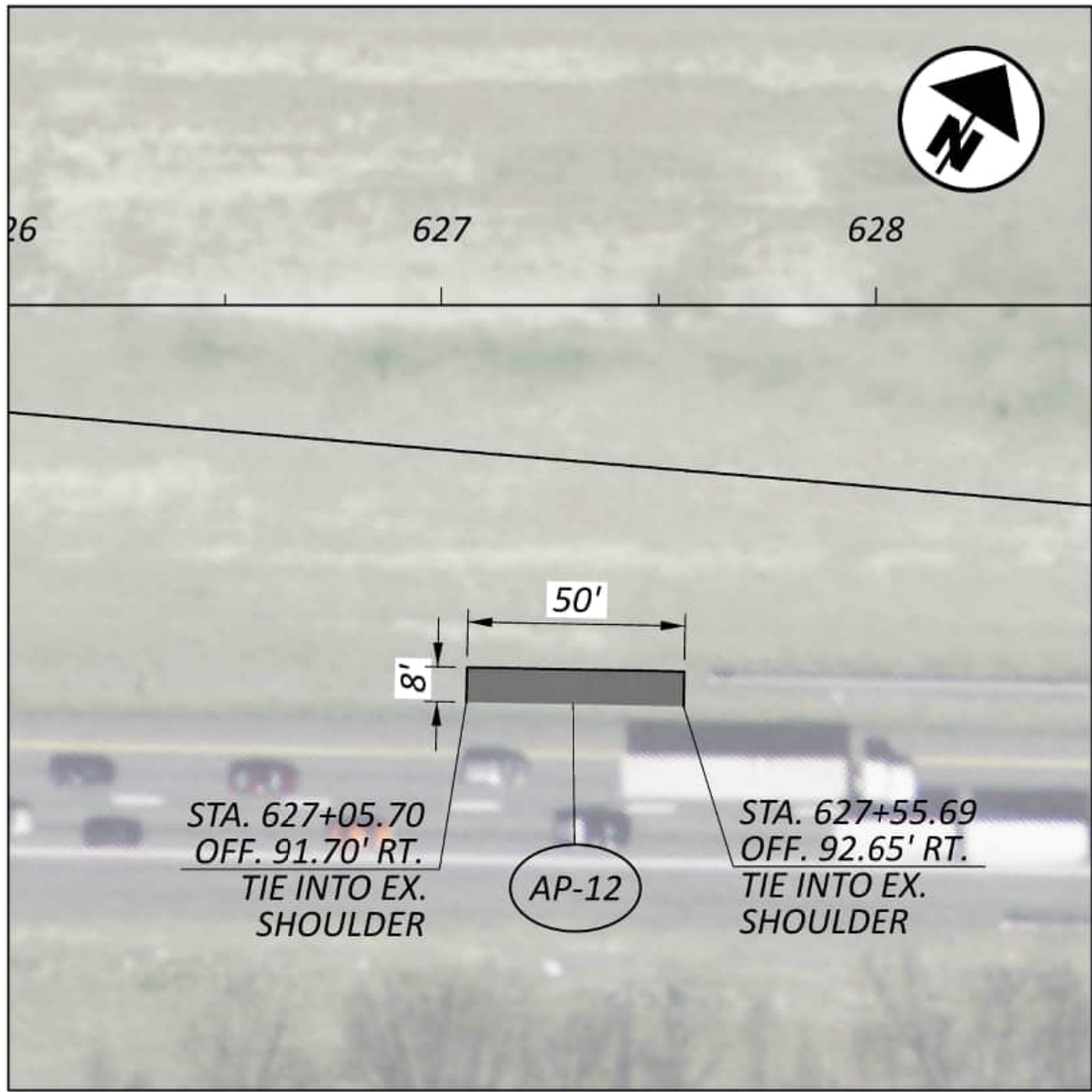


LEGEND

- 1 ITEM 203 - EXCAVATION
- 2 ITEM 204 - SUBGRADE COMPACTION
- 3 ITEM 204 - GEOGRID
- 4 ITEM 304 - AGGREGATE BASE [T=8" GRAVEL DRIVE]



SITE ACCESS PARKING AGGREGATE DETAIL



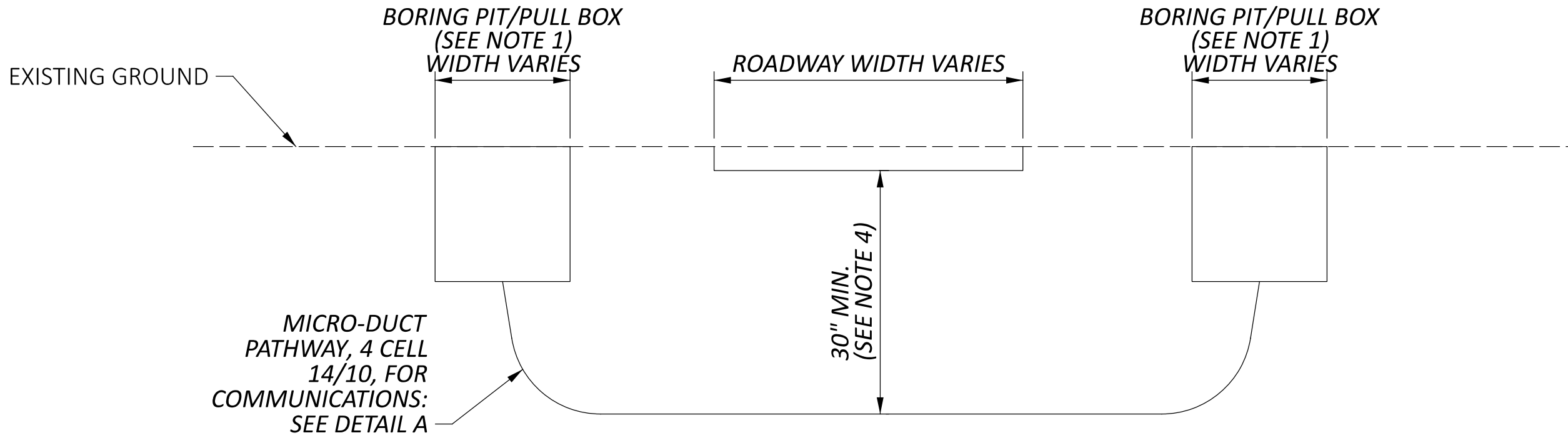
SPLICE ENCLOSURE ACCESS PARKING DETAIL



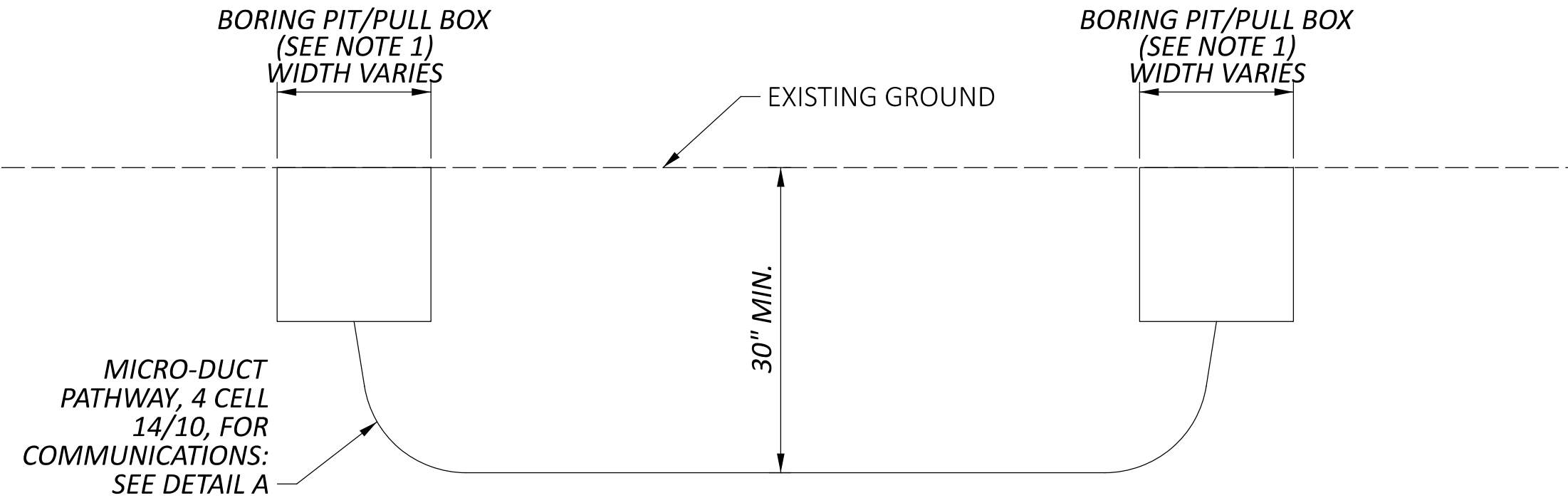
SITE ACCESS PARKING DETAILS

|               |       |
|---------------|-------|
| DESIGN AGENCY |       |
| AECOM         |       |
| DESIGNER      |       |
| HMP           |       |
| REVIEWER      |       |
| MAW 10-23-25  |       |
| PROJECT ID    |       |
| 122092        |       |
| SHEET         | TOTAL |
| P.41          | P.66  |

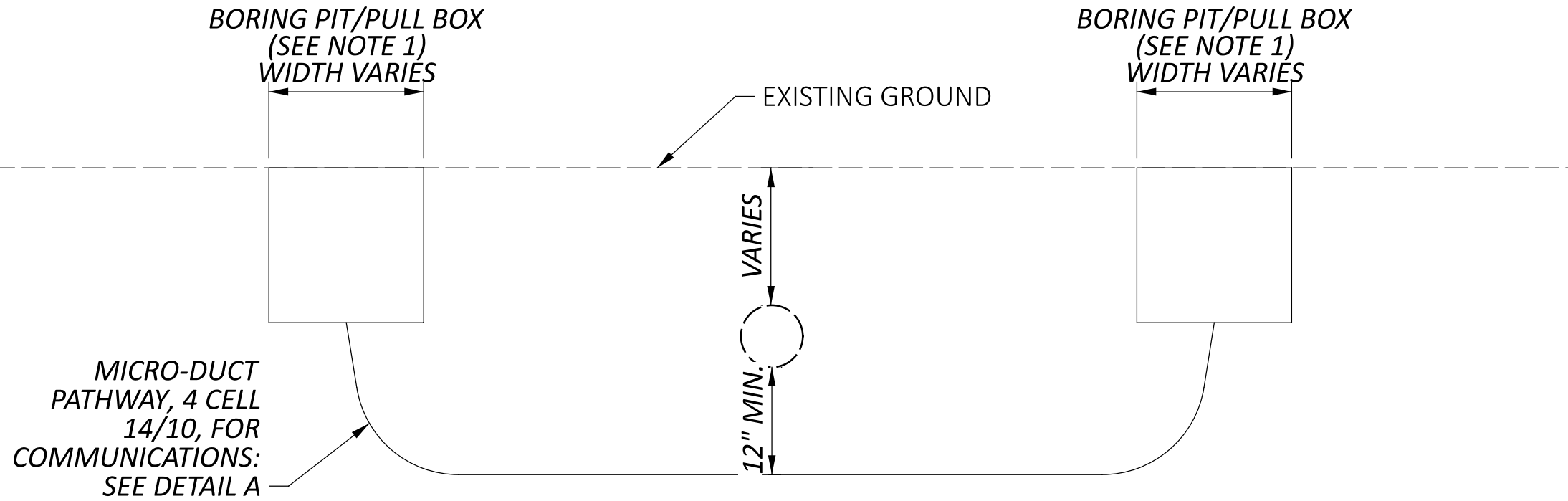




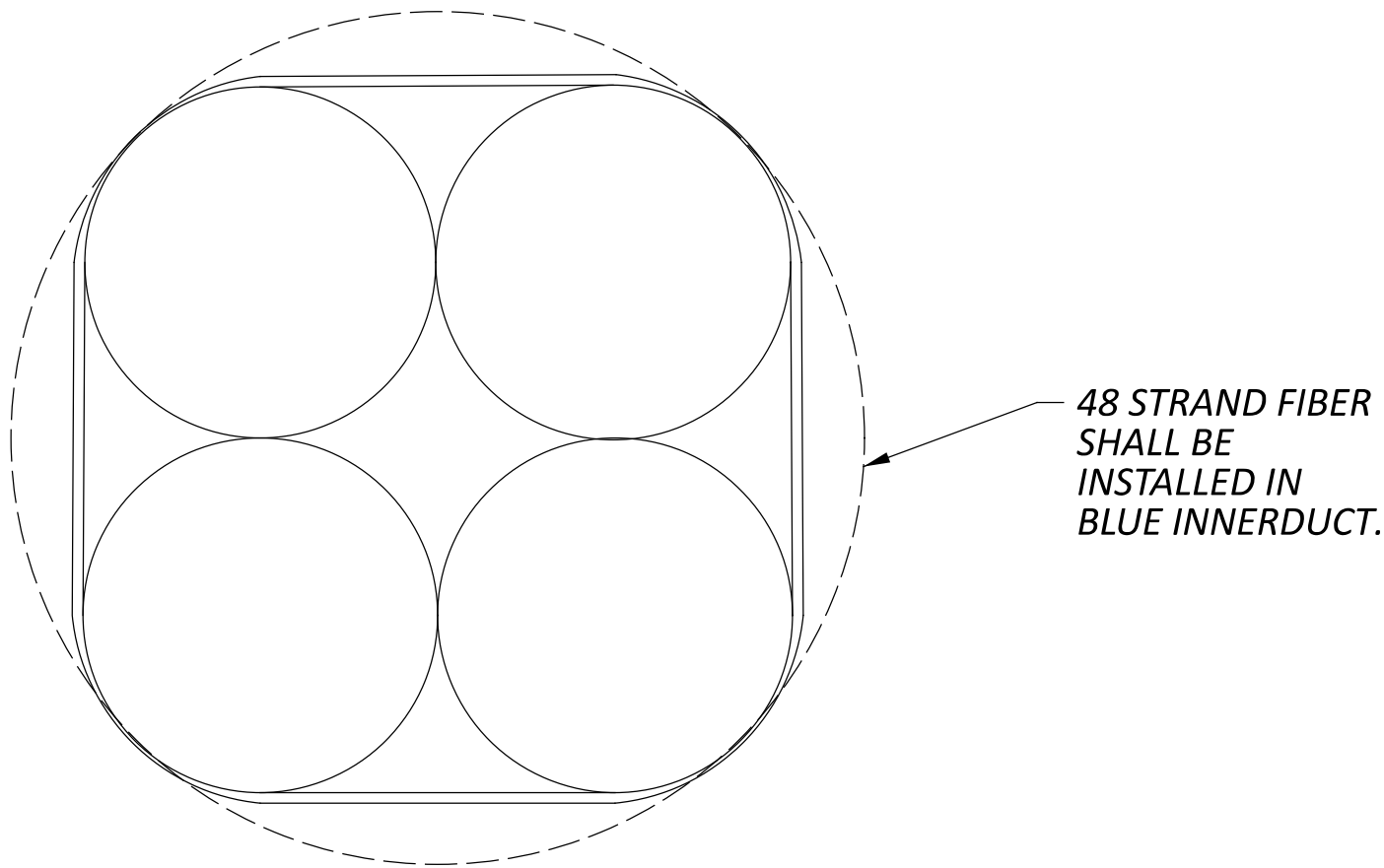
DIRECTIONAL BORE (UNDER ROADWAY) - NOT TO SCALE



DIRECTIONAL BORE (UNPAVED AREAS) - NOT TO SCALE



DIRECTIONAL BORE (UNPAVED AREAS) - NOT TO SCALE



DETAIL A

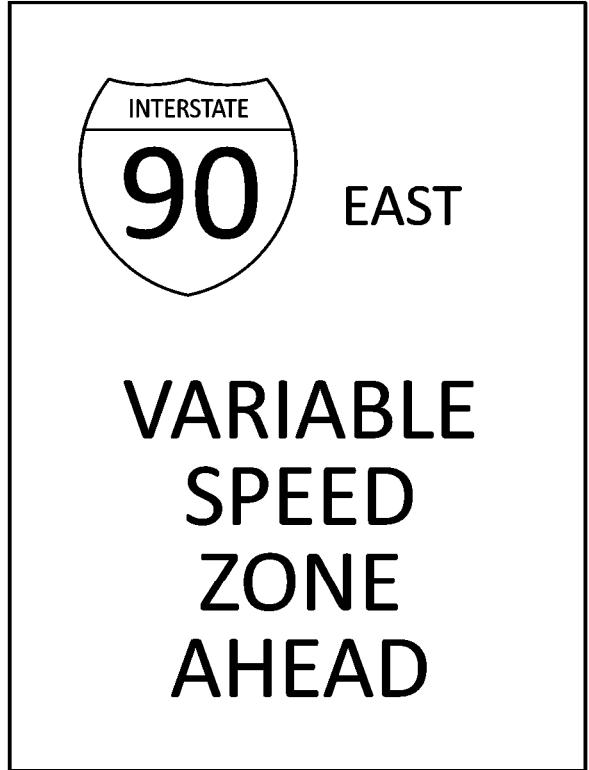
- NOTES:**
1. BORE PIT INCLUDES PULL BOX AT LOCATIONS SPECIFIED IN PLAN SHEETS.
  2. IN THE EVENT OF A FRAC OUT, SEE CONTRACTOR PREPARED SWPPP FOR DETAILS.
  3. BORE DETAILS ARE FOR INFORMATION ONLY AND DO NOT RESTRICT FINAL BORING MEANS AND METHODS.
  4. ANY LOCATIONS WHERE DUCT CROSSES UNDER GUARDRAIL IS REQUIRED TO BE A MINIMUM 10 FEET BELOW EXISTING GRADE.



ADVANCED WARNING SIGN:

THE REMOVAL AND SALVAGING OF THE TWO EXISTING I-90 EB ADVANCE WARNING NOTIFICATION SIGNS AT APPROX. STA. 644+82.00 SHALL BE RELOCATED IN FRONT OF THE BROADMOOR RD OVERPASS, APPROX. ONE MILE AHEAD OF THE SITE #6 VSL SIGNS AT STA. 370+80. SIGNS SHALL BE INSTALLED ON BOTH THE I-90 EB INTERIOR MEDIAN AND I-90 EB EXTERIOR. GUARDRAIL PROTECTION MAY BE REQUIRED FOR THE PROPOSED WORK.

THE ADVANCED WARNING SIGNAGE SHALL BE INSTALLED ON 2-W10 X 12 BEAMS WITH BREAKAWAYS.



ADVANCED WARNING SIGN

REMOVE AND SALVAGE AT STA. 644+82.00  
RELOCATE TO ONE MILE AHEAD OF SITE #1 VSL SIGNS.

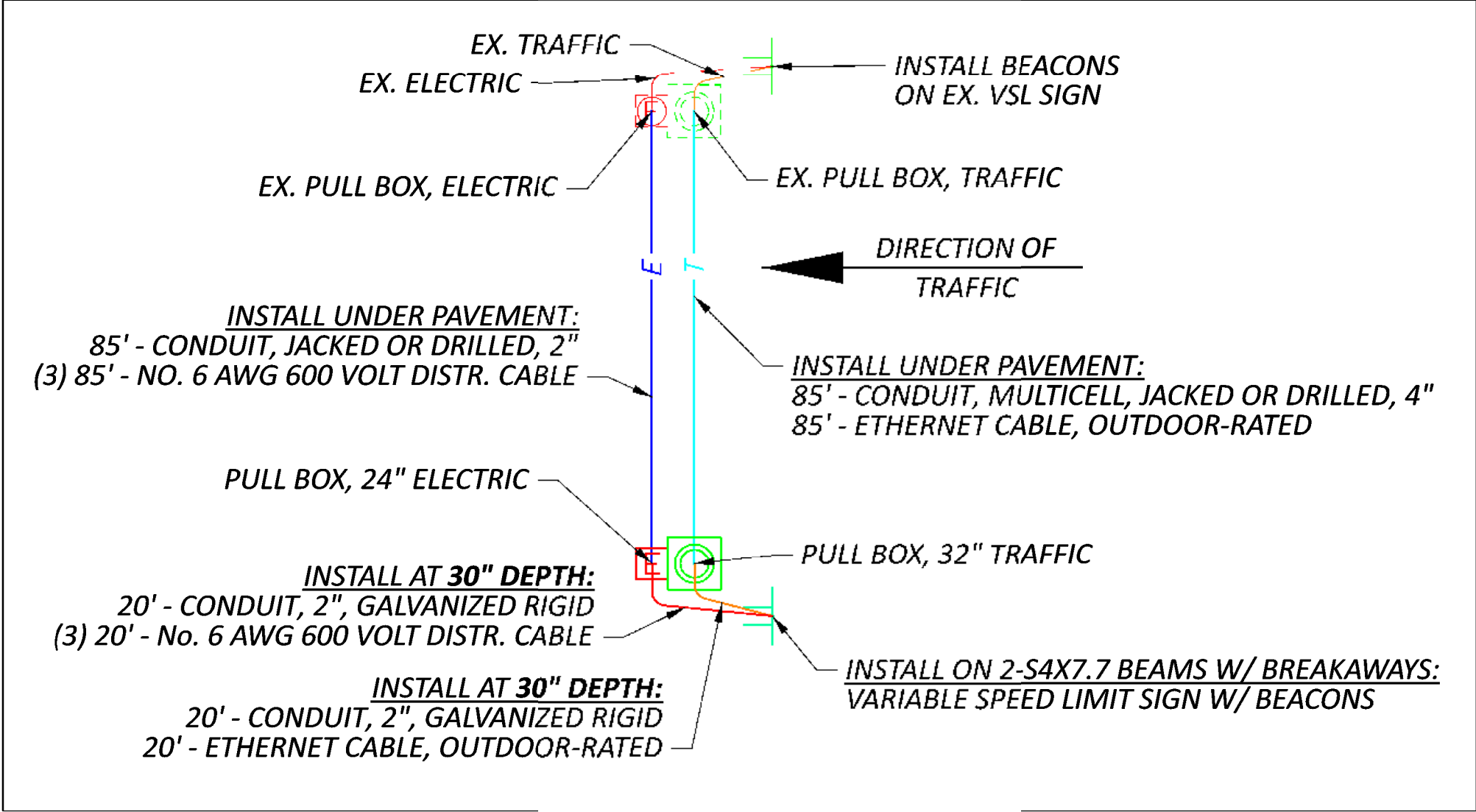
THIS ITEM WILL BE PAID FOR UNDER:

ITEM 630 - REMOVAL OF GROUND MOUNTED SIGN AND  
REERECTION ..... 2 EACH

ITEM 630 - REMOVAL OF GROUND MOUNTED STRUCTURAL  
BEAM SUPPORT AND REERECTION ..... 4 EACH

ITEM 630 - BREAKAWAY STRUCTURAL BEAM  
CONNECTION ..... 4 EACH

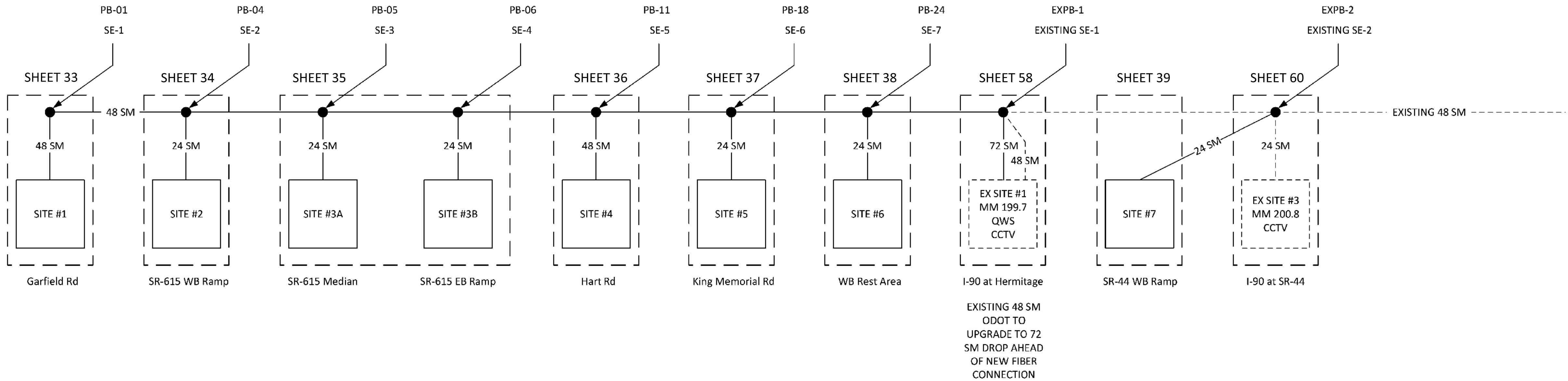
ITEM 630 - GROUND MOUNTED STRUCTURAL BEAM  
SUPPORT FOUNDATION ..... 4 EACH



PROPOSED MEDIAN VSL ADJACENT TO EXISTING VSL TYPICAL DETAIL

| SITE NO.                               | 202                     | 202                             | 209                                | 441                                                                                             | 606                       | 606                                          | 606                             | 606                                 | 606                                 | 606                                             | 625                                            | 625                       | 625                                              | 625                    | 625                           | 625                | 625                                       | 626                                                 | 630                                                     | 630                                             | 630                                                          | 633                                         | 809                                                                             | 809                                                | 809                                                            | 809                                 | 809                                                |
|----------------------------------------|-------------------------|---------------------------------|------------------------------------|-------------------------------------------------------------------------------------------------|---------------------------|----------------------------------------------|---------------------------------|-------------------------------------|-------------------------------------|-------------------------------------------------|------------------------------------------------|---------------------------|--------------------------------------------------|------------------------|-------------------------------|--------------------|-------------------------------------------|-----------------------------------------------------|---------------------------------------------------------|-------------------------------------------------|--------------------------------------------------------------|---------------------------------------------|---------------------------------------------------------------------------------|----------------------------------------------------|----------------------------------------------------------------|-------------------------------------|----------------------------------------------------|
|                                        | GUARDRAIL REMOVED<br>FT | ANCHOR ASSEMBLY REMOVED<br>EACH | LINEAR GRADING, AS PER PLAN<br>STA | ASPHALT CONCRETE INTERMEDIATE<br>COURSE, TYPE 1, (448), AS PER PLAN,<br>(UNDER GUARDRAIL)<br>CY | GUARDRAIL, TYPE MGS<br>FT | GUARDRAIL, BARRIER DESIGN, TYPE<br>MGS<br>FT | ANCHOR ASSEMBLY, TYPE B<br>EACH | ANCHOR ASSEMBLY, MGS TYPE E<br>EACH | ANCHOR ASSEMBLY, MGS TYPE T<br>EACH | MGS BRIDGE TERMINAL ASSEMBLY,<br>TYPE 1<br>EACH | NO. 6 AWG 600 VOLT DISTRIBUTION<br>CABLE<br>FT | CONDUIT, 2", 725.04<br>FT | CONDUIT, JACKED OR DRILLED,<br>725.051, 2"<br>FT | TRENCH, 30" DEEP<br>FT | PULL BOX, 725.08, 24"<br>EACH | GROUND ROD<br>EACH | UNDERGROUND WARNING/MARKING<br>TAPE<br>FT | BARRIER REFLECTOR, TYPE 2,<br>BIDIRECTIONAL<br>EACH | GROUND MOUNTED STRUCTURAL<br>BEAM SUPPORT, S4X7.7<br>FT | BREAKAWAY STRUCTURAL BEAM<br>CONNECTION<br>EACH | GROUND MOUNTED STRUCTURAL<br>BEAM SUPPORT FOUNDATION<br>EACH | CONTROLLER WORK PAD, AS PER<br>PLAN<br>EACH | ITS PULL BOX WITH PAD AND<br>STANDARD LID ASSEMBLY, 32" WIDE,<br>TYPE 1<br>EACH | CONDUIT, MULTICELL, JACKED OR<br>DRILLED, 4"<br>FT | VARIABLE SPEED LIMIT SIGN WITH<br>BEACONS, AS PER PLAN<br>EACH | ETHERNET CABLE, OUTDOOR-RATED<br>FT | ITS DEVICE, MISC.: BEACONS, AS PER<br>PLAN<br>EACH |
| EX.4 - I-90 EB AT AUBURN ROAD          |                         |                                 |                                    |                                                                                                 |                           |                                              |                                 |                                     |                                     |                                                 |                                                |                           |                                                  |                        |                               |                    |                                           |                                                     |                                                         |                                                 |                                                              |                                             |                                                                                 |                                                    |                                                                |                                     | 2                                                  |
| EX.5 - I-90 AT OLD SR 44               | 146.0                   | 4                               | 3.5                                | 7.6                                                                                             |                           | 250.0                                        | 2                               |                                     | 2                                   |                                                 | 810                                            | 120                       | 170                                              | 80                     | 2                             | 6                  | 80                                        | 4                                                   | 60                                                      | 4                                               | 4                                                            | 2                                           | 2                                                                               | 170                                                | 2                                                              | 270                                 | 2                                                  |
| EX.6 - I-90 AT PAINESVILLE-WARREN ROAD |                         |                                 |                                    |                                                                                                 |                           |                                              |                                 |                                     |                                     |                                                 | 810                                            | 120                       | 170                                              | 80                     | 2                             | 6                  | 80                                        |                                                     | 60                                                      | 4                                               | 4                                                            | 2                                           | 2                                                                               | 170                                                | 2                                                              | 270                                 | 2                                                  |
| EX.7 - I-90 AT VROOMAN ROAD            | 86.8                    | 4                               | 5.5                                | 11.9                                                                                            |                           | 450.0                                        | 2                               |                                     | 2                                   |                                                 | 810                                            | 120                       | 170                                              | 80                     | 2                             | 6                  | 80                                        | 7                                                   | 60                                                      | 4                                               | 4                                                            | 2                                           | 2                                                                               | 170                                                | 2                                                              | 270                                 | 4                                                  |
| EX.8 - I-90 AT PAINE ROAD              |                         |                                 | 1.4                                | 2.2                                                                                             | 87.5                      |                                              |                                 |                                     | 1                                   | 1                                               | 810                                            | 120                       | 170                                              | 80                     | 2                             | 6                  | 80                                        | 2                                                   | 60                                                      | 4                                               | 4                                                            | 2                                           | 2                                                                               | 170                                                | 2                                                              | 270                                 | 2                                                  |
| EX.9 - I-90 AT BAKER ROAD              |                         |                                 | 2.1                                | 3.4                                                                                             | 112.5                     |                                              |                                 | 2                                   | 2                                   |                                                 | 810                                            | 120                       | 170                                              | 80                     | 2                             | 6                  | 80                                        | 3                                                   | 60                                                      | 4                                               | 4                                                            | 2                                           | 2                                                                               | 170                                                | 2                                                              | 270                                 | 2                                                  |
| EX.10 - I-90 AT DAYTON ROAD            |                         |                                 | 2.3                                | 3.6                                                                                             | 125.0                     |                                              |                                 | 2                                   | 2                                   |                                                 | 810                                            | 120                       | 170                                              | 80                     | 2                             | 6                  | 80                                        | 2                                                   | 60                                                      | 4                                               | 4                                                            | 2                                           | 2                                                                               | 170                                                | 2                                                              | 270                                 | 2                                                  |
| EX.11 - I-90 AT SR 528                 |                         |                                 |                                    |                                                                                                 |                           |                                              |                                 |                                     |                                     |                                                 |                                                |                           |                                                  |                        |                               |                    |                                           |                                                     |                                                         |                                                 |                                                              |                                             |                                                                                 |                                                    |                                                                |                                     | 3                                                  |
| SUBTOTALS                              | 232.8                   | 8                               | 14.8                               | 28.7                                                                                            | 325.0                     | 700                                          | 4                               | 4                                   | 9                                   | 1                                               | 4860                                           | 720                       | 1020                                             | 480                    | 12                            | 36                 | 480                                       | 18                                                  | 360                                                     | 24                                              | 24                                                           | 12                                          | 12                                                                              | 1020                                               | 12                                                             | 1620                                | 19                                                 |
| TOTALS CARRIED TO GENERAL SUMMARY      | 233                     | 8                               | 15                                 | 29                                                                                              | 325.0                     | 700                                          | 4                               | 4                                   | 9                                   | 1                                               | 4860                                           | 720                       | 1020                                             | 480                    | 12                            | 36                 | 480                                       | 18                                                  | 360                                                     | 24                                              | 24                                                           | 12                                          | 12                                                                              | 1020                                               | 12                                                             | 1620                                | 19                                                 |





ODOT FIBER SPLICING DETAILS

DESIGN AGENCY

**AECOM**

DESIGNER

HMP

REVIEWER

MAW 10-23-25

PROJECT ID

122092

SHEET

P.44

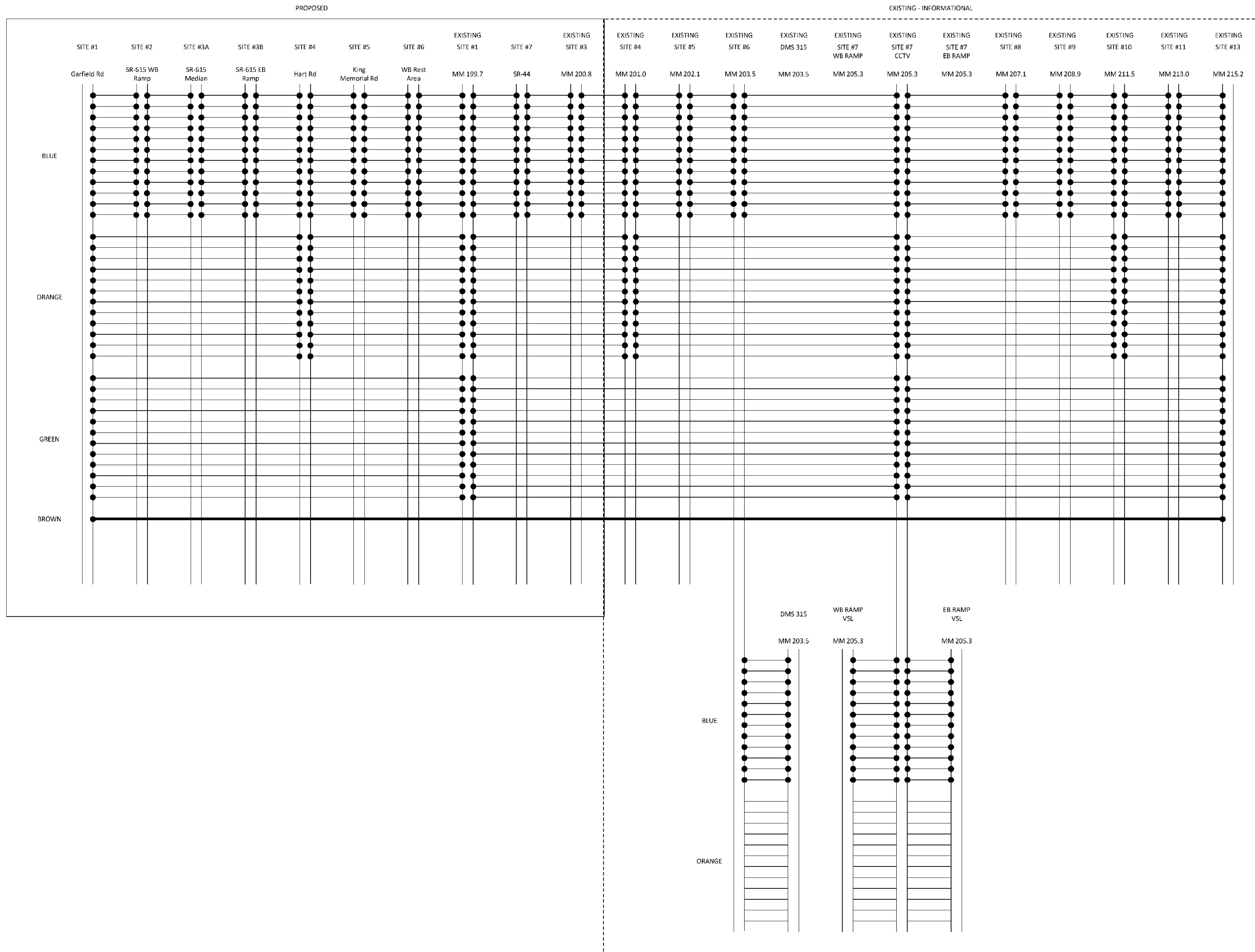
TOTAL

P.66



**LAK-90-8.77 VSL SIGNS**

MODEL: Steel PAPER SIZE: 34x22 (in.) DATE: 10/23/2025 TIME: 4:18:52 PM USER: PetersonH  
pw:\chiddo-pw.bentley.com\chiddo-pw-02\Documents\01 Active Projects\District 12\Lake 1220920\01-Engineering\_AECOM\Roadway\Sheets\122092\_GM005.dgn



## ODOT FIBER TERMINATION DETAILS

DESIGN AGENCY



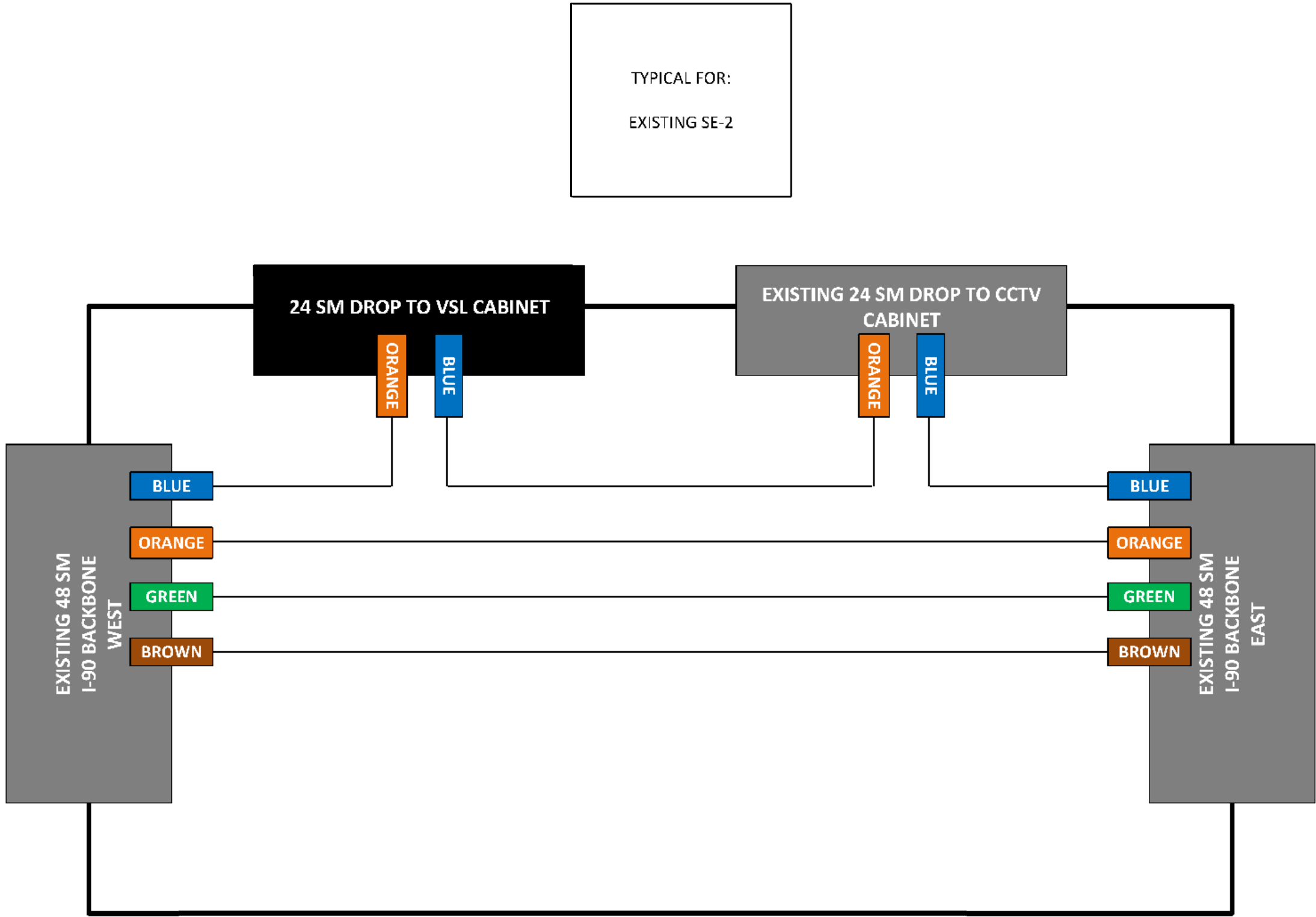
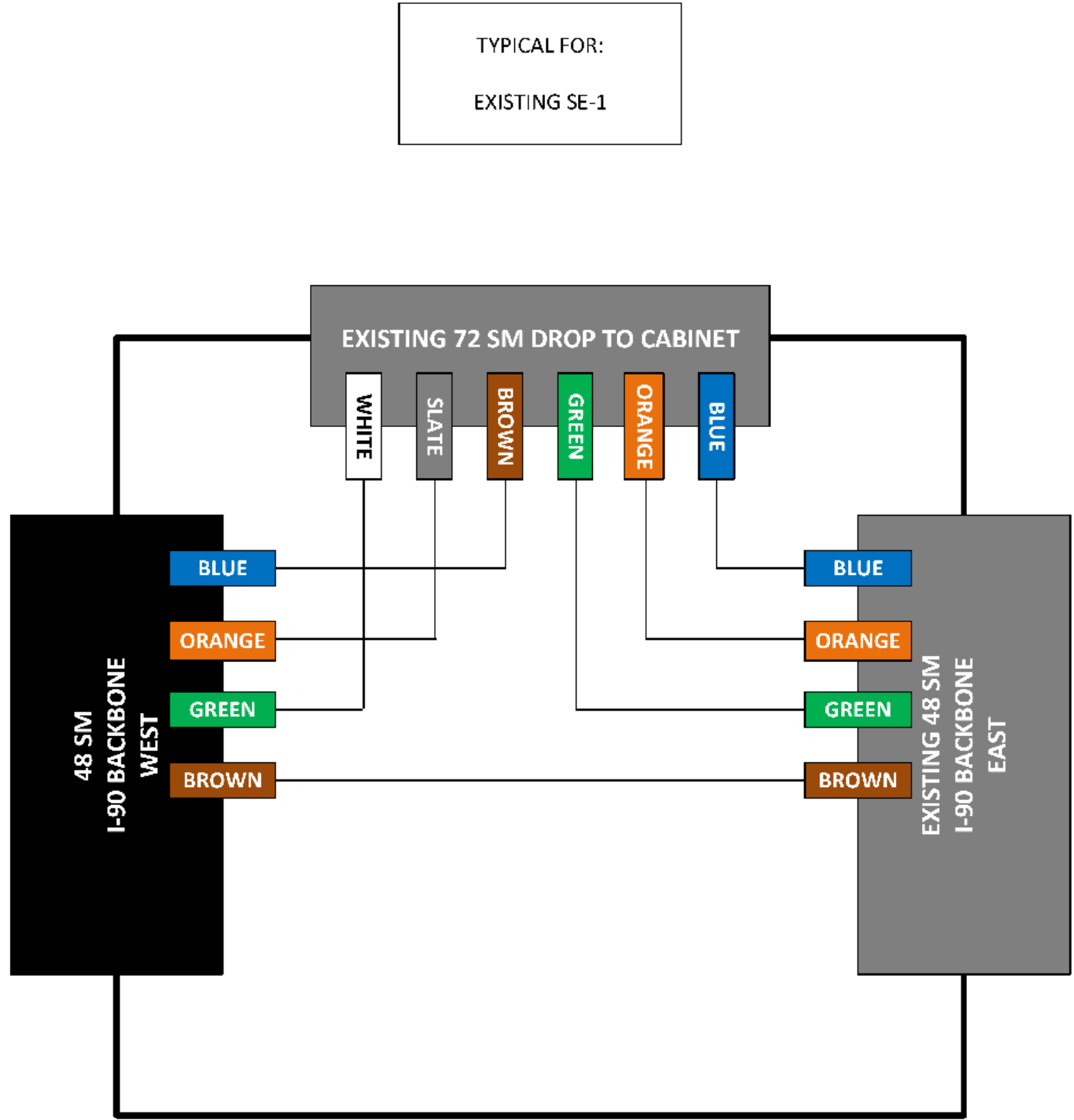
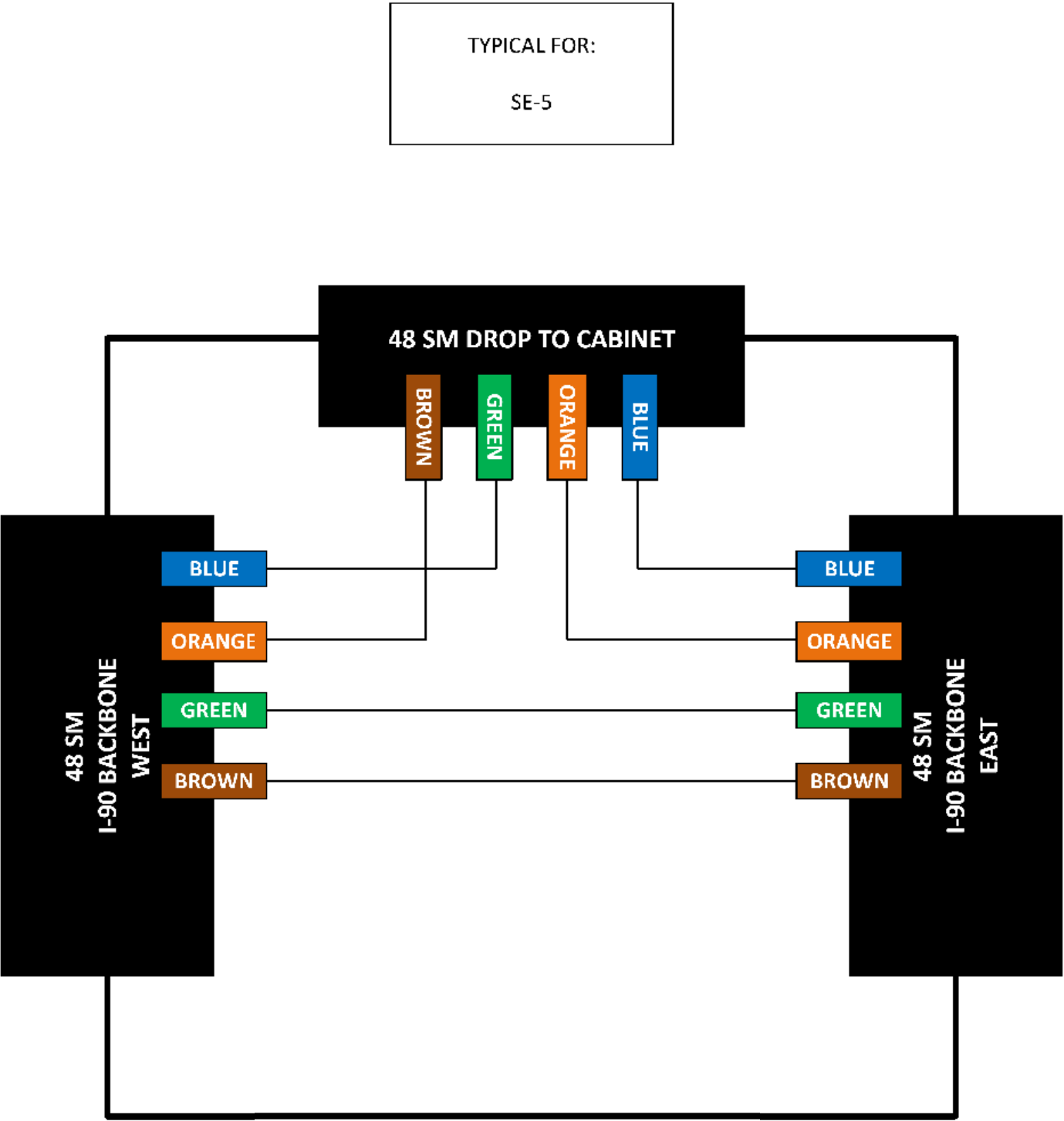
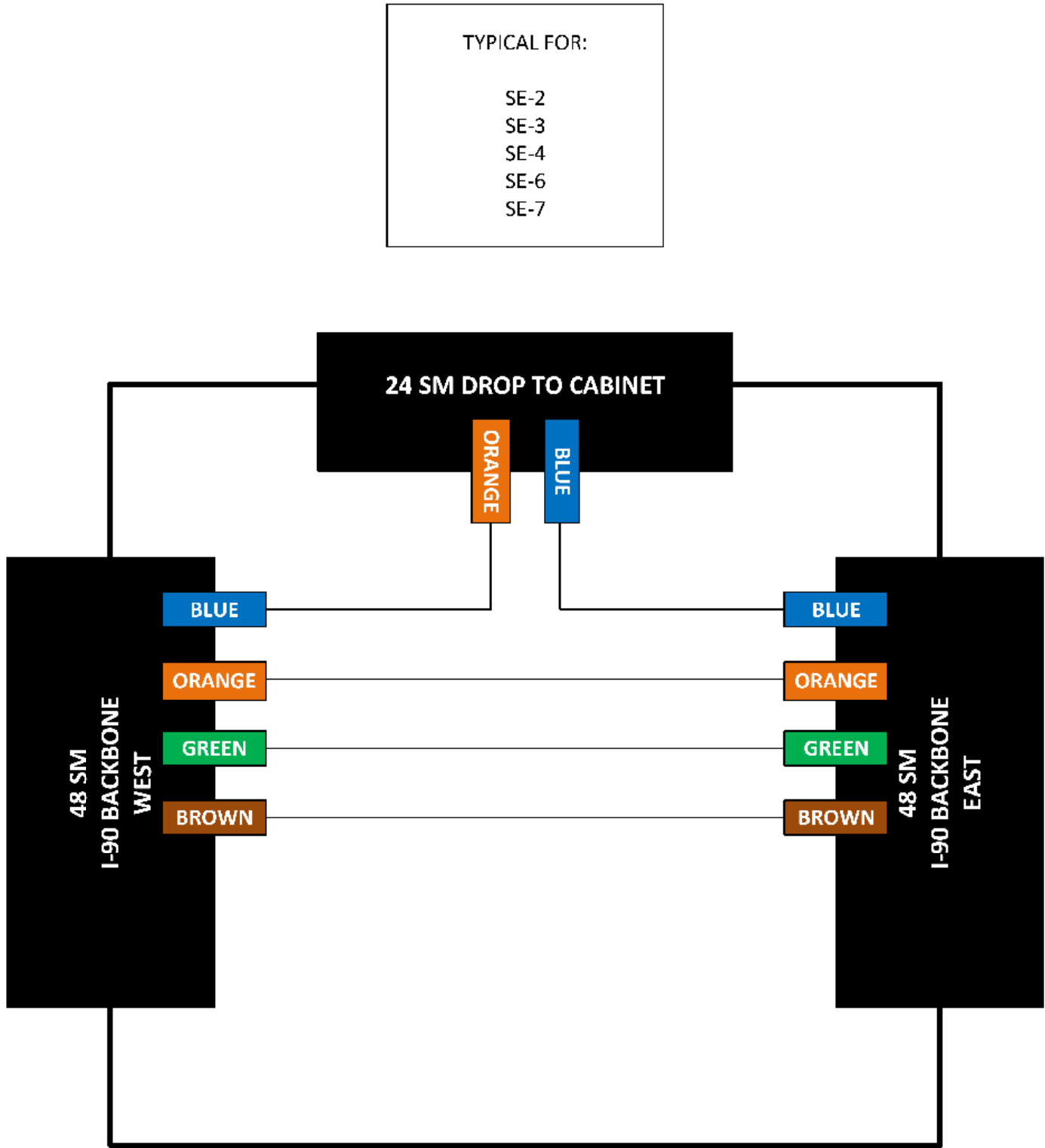
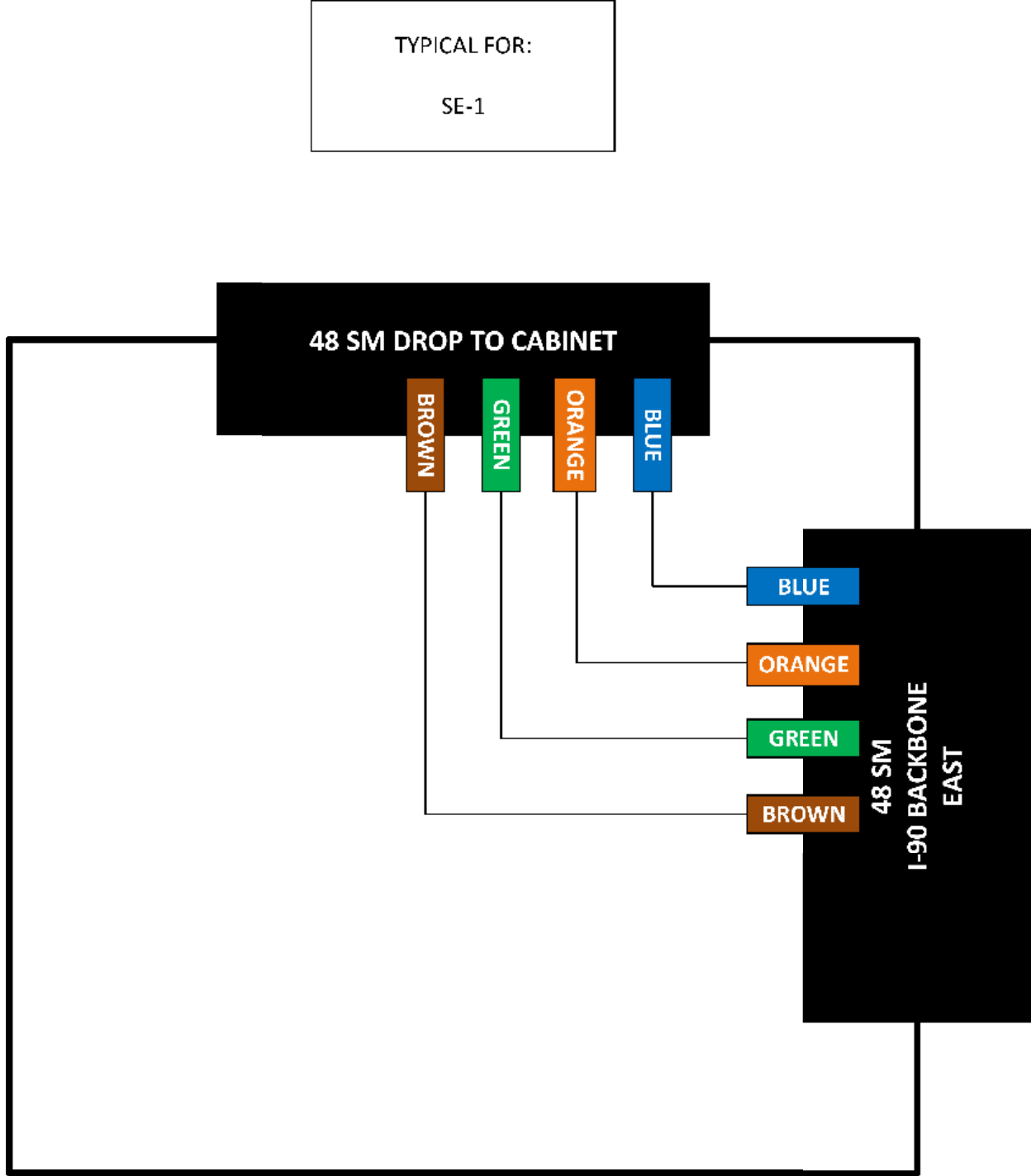
DESIGNER  
HMP

REVIEWER  
MAW 10-23-25

|            |
|------------|
| PROJECT ID |
| 122092     |

|       |       |
|-------|-------|
| SHEET | TOTAL |
| P.45  | P.    |







MODEL: Plan 17 - Plan 1 (Steel) PAPER SIZE: 34x22 (in.) DATE: 10/23/2025 TIME: 4:19:52 PM USER: PdfersonH  
 pw://vhbodi-pw.bentley.com/ohiodod-pw-02/Documents/01 Active Projects/District 12/Lake/1122022/401-Engineering\_AECOM/Roadway/Sheets/122092\_GSO17.dgn

| REF NO. | SHEET NO. | STATION TO STATION |           |    |           | 625              | 625        | SPECIAL                 |      | 804                         | 804                  | 804                               | 804           | 804                          |  | 809                                                               | 809                             | 809                                                | 809                           |  |  |  |  |  |  |  |  |  |
|---------|-----------|--------------------|-----------|----|-----------|------------------|------------|-------------------------|------|-----------------------------|----------------------|-----------------------------------|---------------|------------------------------|--|-------------------------------------------------------------------|---------------------------------|----------------------------------------------------|-------------------------------|--|--|--|--|--|--|--|--|--|
|         |           |                    |           |    |           | TRENCH, 30" DEEP | GROUND ROD | ND WARNING/MARKING TAPE |      | FIBER OPTIC CABLE, 48 FIBER | DROP CABLE, 48 FIBER | FIBER TERMINATION PANEL, 48 FIBER | FUSION SPLICE | SPLICE ENCLOSURE, BUTT STYLE |  | ITS PULL BOX WITH PAD AND STANDARD LID ASSEMBLY, 32" WIDE, TYPE 1 | MICRO-DUCT PATHWAY, 4 CELL 1/4" | MICRO-DUCT PATHWAY, JACKED OR DRILLED, 4 CELL 1/4" | ETHERNET CABLE, OUTDOOR-RATED |  |  |  |  |  |  |  |  |  |
|         |           |                    |           |    |           | FT               | EACH       | FT                      |      | FT                          | FT                   | EACH                              | EACH          | EACH                         |  | EACH                                                              | FT                              | FT                                                 | FT                            |  |  |  |  |  |  |  |  |  |
| PB-01   | P.49      | 372+53.46          | RT        |    |           |                  | 1          |                         |      | 150                         | 10                   |                                   | 12            | 1                            |  | 1                                                                 |                                 |                                                    | 90                            |  |  |  |  |  |  |  |  |  |
| IC-01   | P.49      | 372+53.46          | RT        | TO | 380+00.00 | RT               | 747        |                         | 747  | 747                         |                      |                                   |               |                              |  | 747                                                               |                                 |                                                    |                               |  |  |  |  |  |  |  |  |  |
| PB-02   | P.49      | 380+00.00          | RT        |    |           |                  | 1          |                         |      | 300                         |                      |                                   |               |                              |  | 1                                                                 |                                 |                                                    |                               |  |  |  |  |  |  |  |  |  |
| IC-02   | P.49      | P.50               | 380+00.00 | RT | TO        | 398+83.90        | RT         | 1884                    |      | 1884                        |                      |                                   |               |                              |  | 1884                                                              |                                 |                                                    |                               |  |  |  |  |  |  |  |  |  |
| PB-03   | P.50      | 398+83.90          | RT        |    |           |                  | 1          |                         |      | 450                         |                      |                                   |               |                              |  | 1                                                                 |                                 |                                                    |                               |  |  |  |  |  |  |  |  |  |
|         |           |                    |           |    |           |                  |            |                         |      |                             |                      |                                   |               |                              |  |                                                                   |                                 |                                                    |                               |  |  |  |  |  |  |  |  |  |
| IC-03   | P.50      | 398+83.90          | RT        | TO | 398+83.90 | LT               |            |                         |      | 362                         |                      |                                   |               |                              |  |                                                                   |                                 | 181                                                |                               |  |  |  |  |  |  |  |  |  |
| PB-04   | P.50      | 398+83.90          | LT        |    |           |                  | 1          |                         |      | 150                         | 10                   |                                   | 12            | 1                            |  | 1                                                                 |                                 |                                                    |                               |  |  |  |  |  |  |  |  |  |
| IC-04   | P.50      | P.51               | 398+83.90 | RT | TO        | 410+57.72        | RT         | 1175                    |      | 1175                        |                      |                                   |               |                              |  | 1175                                                              |                                 |                                                    |                               |  |  |  |  |  |  |  |  |  |
| PB-05   | P.51      | 410+57.72          | RT        |    |           |                  | 1          |                         |      | 450                         | 10                   |                                   | 12            | 1                            |  | 1                                                                 |                                 |                                                    | 10                            |  |  |  |  |  |  |  |  |  |
| IC-05   | P.51      | 410+57.72          | RT        | TO | 410+57.48 | RT               |            |                         |      | 280                         |                      |                                   |               |                              |  |                                                                   |                                 | 140                                                |                               |  |  |  |  |  |  |  |  |  |
|         |           |                    |           |    |           |                  |            |                         |      |                             |                      |                                   |               |                              |  |                                                                   |                                 |                                                    |                               |  |  |  |  |  |  |  |  |  |
| PB-06   | P.51      | 410+57.48          | RT        |    |           |                  | 1          |                         |      | 150                         | 10                   |                                   | 12            | 1                            |  | 1                                                                 |                                 |                                                    |                               |  |  |  |  |  |  |  |  |  |
| IC-06   | P.51      | 410+57.72          | RT        | TO | 415+01.82 | RT               | 445        |                         | 445  | 445                         |                      |                                   |               |                              |  | 445                                                               |                                 |                                                    |                               |  |  |  |  |  |  |  |  |  |
| PB-07   | P.51      | 415+01.82          | RT        |    |           |                  | 1          |                         |      | 300                         |                      |                                   |               |                              |  | 1                                                                 |                                 |                                                    |                               |  |  |  |  |  |  |  |  |  |
| IC-07   | P.51      | 415+01.82          | RT        | TO | 427+00.00 | RT               |            |                         |      | 1198                        |                      |                                   |               |                              |  |                                                                   |                                 | 1198                                               |                               |  |  |  |  |  |  |  |  |  |
| PB-08   | P.51      | 427+00.00          | RT        |    |           |                  | 1          |                         |      | 300                         |                      |                                   |               |                              |  | 1                                                                 |                                 |                                                    |                               |  |  |  |  |  |  |  |  |  |
|         |           |                    |           |    |           |                  |            |                         |      |                             |                      |                                   |               |                              |  |                                                                   |                                 |                                                    |                               |  |  |  |  |  |  |  |  |  |
| IC-08   | P.51      | 427+00.00          | RT        | TO | 432+24.10 | RT               | 526        |                         | 526  | 526                         |                      |                                   |               |                              |  | 526                                                               |                                 |                                                    |                               |  |  |  |  |  |  |  |  |  |
| PB-09   | P.51      | 432+24.10          | RT        |    |           |                  | 1          |                         |      | 300                         |                      |                                   |               |                              |  | 1                                                                 |                                 |                                                    |                               |  |  |  |  |  |  |  |  |  |
| IC-09   | P.51      | P.52               | 432+24.10 | RT | TO        | 446+50.11        | RT         | 1425                    |      | 1425                        |                      |                                   |               |                              |  | 1425                                                              |                                 |                                                    |                               |  |  |  |  |  |  |  |  |  |
| PB-10   | P.52      | 446+50.11          | RT        |    |           |                  | 1          |                         |      | 300                         |                      |                                   |               |                              |  | 1                                                                 |                                 |                                                    |                               |  |  |  |  |  |  |  |  |  |
| IC-10   | P.52      | 446+50.11          | RT        | TO | 463+72.82 | RT               | 1721       |                         | 1721 | 1721                        |                      |                                   |               |                              |  | 1721                                                              |                                 |                                                    |                               |  |  |  |  |  |  |  |  |  |
|         |           |                    |           |    |           |                  |            |                         |      |                             |                      |                                   |               |                              |  |                                                                   |                                 |                                                    |                               |  |  |  |  |  |  |  |  |  |
| PB-11   | P.52      | 463+72.82          | RT        |    |           |                  | 1          |                         |      | 300                         | 10                   |                                   | 12            | 1                            |  | 1                                                                 |                                 |                                                    | 60                            |  |  |  |  |  |  |  |  |  |
| IC-11   | P.52      | P.53               | 463+72.82 | RT | TO        | 468+50.00        | LT         | 480                     |      | 480                         |                      |                                   |               |                              |  | 480                                                               |                                 |                                                    |                               |  |  |  |  |  |  |  |  |  |
| PB-12   | P.53      | 468+50.00          | LT        |    |           |                  | 1          |                         |      | 300                         |                      |                                   |               |                              |  | 1                                                                 |                                 |                                                    |                               |  |  |  |  |  |  |  |  |  |
| IC-12   | P.53      | 468+50.00          | LT        | TO | 478+47.64 | LT               |            |                         |      | 1000                        |                      |                                   |               |                              |  |                                                                   |                                 | 1000                                               |                               |  |  |  |  |  |  |  |  |  |
| PB-13   | P.53      | 478+47.64          | LT        |    |           |                  | 1          |                         |      | 300                         |                      |                                   |               |                              |  | 1                                                                 |                                 |                                                    |                               |  |  |  |  |  |  |  |  |  |
|         |           |                    |           |    |           |                  |            |                         |      |                             |                      |                                   |               |                              |  |                                                                   |                                 |                                                    |                               |  |  |  |  |  |  |  |  |  |
| IC-13   | P.53      | P.54               | 478+47.64 | LT | TO        | 495+52.98        | LT         | 1701                    |      | 1701                        |                      |                                   |               |                              |  | 1701                                                              |                                 |                                                    |                               |  |  |  |  |  |  |  |  |  |
| PB-14   | P.54      | 495+52.98          | LT        |    |           |                  | 1          |                         |      | 300                         |                      |                                   |               |                              |  | 1                                                                 |                                 |                                                    |                               |  |  |  |  |  |  |  |  |  |
| IC-14   | P.54      | 495+52.98          | LT        | TO | 499+59.86 | LT               | 405        |                         | 405  | 405                         |                      |                                   |               |                              |  | 405                                                               |                                 |                                                    |                               |  |  |  |  |  |  |  |  |  |
| PB-15   | P.54      | 499+59.86          | LT        |    |           |                  | 1          |                         |      | 300                         |                      |                                   |               |                              |  | 1                                                                 |                                 |                                                    |                               |  |  |  |  |  |  |  |  |  |
| IC-15   | P.54      | 499+59.86          | LT        | TO | 504+61.85 | LT               |            |                         |      | 500                         |                      |                                   |               |                              |  |                                                                   |                                 | 500                                                |                               |  |  |  |  |  |  |  |  |  |
|         |           |                    |           |    |           |                  |            |                         |      |                             |                      |                                   |               |                              |  |                                                                   |                                 |                                                    |                               |  |  |  |  |  |  |  |  |  |
| PB-16   | P.54      | 504+61.85          | LT        |    |           |                  | 1          |                         |      | 300                         |                      |                                   |               |                              |  | 1                                                                 |                                 |                                                    |                               |  |  |  |  |  |  |  |  |  |
| IC-16   | P.54      | 504+61.85          | LT        | TO | 511+50.00 | LT               | 690        |                         | 690  | 690                         |                      |                                   |               |                              |  | 690                                                               |                                 |                                                    |                               |  |  |  |  |  |  |  |  |  |
| PB-17   | P.54      | 511+50.00          | LT        |    |           |                  | 1          |                         |      | 300                         |                      |                                   |               |                              |  | 1                                                                 |                                 |                                                    |                               |  |  |  |  |  |  |  |  |  |
| IC-17   | P.54      | 511+50.00          | LT        | TO | 516+65.44 | RT               |            |                         |      | 521                         |                      |                                   |               |                              |  |                                                                   |                                 | 521                                                |                               |  |  |  |  |  |  |  |  |  |
| PB-18   | P.54      | 516+65.44          | RT        |    |           |                  | 1          |                         |      | 300                         | 10                   |                                   | 12            | 1                            |  | 1                                                                 |                                 |                                                    | 30                            |  |  |  |  |  |  |  |  |  |
|         |           |                    |           |    |           |                  |            |                         |      |                             |                      |                                   |               |                              |  |                                                                   |                                 |                                                    |                               |  |  |  |  |  |  |  |  |  |
| IC-18   | P.54      | P.55               | 516+65.44 | RT | TO        | 526+00.00        | RT         | 938                     |      | 938                         |                      |                                   |               |                              |  | 938                                                               |                                 |                                                    |                               |  |  |  |  |  |  |  |  |  |
| PB-19   |           | NOT USED           |           |    |           |                  |            |                         |      |                             |                      |                                   |               |                              |  |                                                                   |                                 |                                                    |                               |  |  |  |  |  |  |  |  |  |
| IC-19   |           | NOT USED           |           |    |           |                  |            |                         |      |                             |                      |                                   |               |                              |  |                                                                   |                                 |                                                    |                               |  |  |  |  |  |  |  |  |  |
| PB-20   | P.55      | 526+00.00          | RT        |    |           |                  | 1          |                         |      | 300                         |                      |                                   |               |                              |  | 1                                                                 |                                 |                                                    |                               |  |  |  |  |  |  |  |  |  |
| IC-20   | P.55      | 526+00.00          | RT        | TO | 538+00.64 | RT               | 1208       |                         | 1208 | 1208                        |                      |                                   |               |                              |  |                                                                   |                                 | 1208                                               |                               |  |  |  |  |  |  |  |  |  |
|         |           |                    |           |    |           |                  |            |                         |      |                             |                      |                                   |               |                              |  |                                                                   |                                 |                                                    |                               |  |  |  |  |  |  |  |  |  |
| PB-21   | P.55      | 538+00.64          | RT        |    |           |                  | 1          |                         |      | 300                         |                      |                                   |               |                              |  | 1                                                                 |                                 |                                                    |                               |  |  |  |  |  |  |  |  |  |
| IC-21   | P.55      | P.56               | 538+00.64 | RT | TO        | 550+93.15        | RT         | 1298                    |      | 1298                        |                      |                                   |               |                              |  | 1298                                                              |                                 |                                                    |                               |  |  |  |  |  |  |  |  |  |
| PB-22   | P.56      | 550+93.15          | RT        |    |           |                  | 1          |                         |      | 300                         |                      |                                   |               |                              |  | 1                                                                 |                                 |                                                    |                               |  |  |  |  |  |  |  |  |  |
| IC-22   | P.56      | 550+93.15          | RT        | TO | 560+90.63 | RT               |            |                         |      | 1000                        |                      |                                   |               |                              |  |                                                                   |                                 | 1000                                               |                               |  |  |  |  |  |  |  |  |  |
| PB-23   | P.56      | 560+90.63          | RT        |    |           |                  | 1          |                         |      | 300                         |                      |                                   |               |                              |  | 1                                                                 |                                 |                                                    |                               |  |  |  |  |  |  |  |  |  |
|         |           |                    |           |    |           |                  |            |                         |      |                             |                      |                                   |               |                              |  |                                                                   |                                 |                                                    |                               |  |  |  |  |  |  |  |  |  |
|         |           |                    |           |    |           |                  |            |                         |      |                             |                      |                                   |               |                              |  |                                                                   |                                 |                                                    |                               |  |  |  |  |  |  |  |  |  |
|         |           |                    |           |    |           |                  |            |                         |      |                             |                      |                                   |               |                              |  |                                                                   |                                 |                                                    |                               |  |  |  |  |  |  |  |  |  |
|         |           |                    |           |    |           |                  |            |                         |      |                             |                      |                                   |               |                              |  |                                                                   |                                 |                                                    |                               |  |  |  |  |  |  |  |  |  |
|         |           |                    |           |    |           |                  |            |                         |      |                             |                      |                                   |               |                              |  |                                                                   |                                 |                                                    |                               |  |  |  |  |  |  |  |  |  |
|         |           |                    |           |    |           |                  |            |                         |      |                             |                      |                                   |               |                              |  |                                                                   |                                 |                                                    |                               |  |  |  |  |  |  |  |  |  |
|         |           |                    |           |    |           |                  |            |                         |      |                             |                      |                                   |               |                              |  |                                                                   |                                 |                                                    |                               |  |  |  |  |  |  |  |  |  |
|         |           |                    |           |    |           |                  |            |                         |      |                             |                      |                                   |               |                              |  |                                                                   |                                 |                                                    |                               |  |  |  |  |  |  |  |  |  |
|         |           |                    |           |    |           |                  |            |                         |      |                             |                      |                                   |               |                              |  |                                                                   |                                 |                                                    |                               |  |  |  |  |  |  |  |  |  |
|         |           |                    |           |    |           |                  |            |                         |      |                             |                      |                                   |               |                              |  |                                                                   |                                 |                                                    |                               |  |  |  |  |  |  |  |  |  |
|         |           |                    |           |    |           |                  |            |                         |      |                             |                      |                                   |               |                              |  |                                                                   |                                 |                                                    |                               |  |  |  |  |  |  |  |  |  |
|         |           |                    |           |    |           |                  |            |                         |      |                             |                      |                                   |               |                              |  |                                                                   |                                 |                                                    |                               |  |  |  |  |  |  |  |  |  |
|         |           |                    |           |    |           |                  |            |                         |      |                             |                      |                                   |               |                              |  |                                                                   |                                 |                                                    |                               |  |  |  |  |  |  |  |  |  |
|         |           |                    |           |    |           |                  |            |                         |      |                             |                      |                                   |               |                              |  |                                                                   |                                 |                                                    |                               |  |  |  |  |  |  |  |  |  |
|         |           |                    |           |    |           |                  |            |                         |      |                             |                      |                                   |               |                              |  |                                                                   |                                 |                                                    |                               |  |  |  |  |  |  |  |  |  |
|         |           |                    |           |    |           |                  |            |                         |      |                             |                      |                                   |               |                              |  |                                                                   |                                 |                                                    |                               |  |  |  |  |  |  |  |  |  |
|         |           |                    |           |    |           |                  |            |                         |      |                             |                      |                                   |               |                              |  |                                                                   |                                 |                                                    |                               |  |  |  |  |  |  |  |  |  |
|         |           |                    |           |    |           |                  |            |                         |      |                             |                      |                                   |               |                              |  |                                                                   |                                 |                                                    |                               |  |  |  |  |  |  |  |  |  |
|         |           |                    |           |    |           |                  |            |                         |      |                             |                      |                                   |               |                              |  |                                                                   |                                 |                                                    |                               |  |  |  |  |  |  |  |  |  |
|         |           |                    |           |    |           |                  |            |                         |      |                             |                      |                                   |               |                              |  |                                                                   |                                 |                                                    |                               |  |  |  |  |  |  |  |  |  |
|         |           |                    |           |    |           |                  |            |                         |      |                             |                      |                                   |               |                              |  |                                                                   |                                 |                                                    |                               |  |  |  |  |  |  |  |  |  |
|         |           |                    |           |    |           |                  |            |                         |      |                             |                      |                                   |               |                              |  |                                                                   |                                 |                                                    |                               |  |  |  |  |  |  |  |  |  |
|         |           |                    |           |    |           |                  |            |                         |      |                             |                      |                                   |               |                              |  |                                                                   |                                 |                                                    |                               |  |  |  |  |  |  |  |  |  |
|         |           |                    |           |    |           |                  |            |                         |      |                             |                      |                                   |               |                              |  |                                                                   |                                 |                                                    |                               |  |  |  |  |  |  |  |  |  |
|         |           |                    |           |    |           |                  |            |                         |      |                             |                      |                                   |               |                              |  |                                                                   |                                 |                                                    |                               |  |  |  |  |  |  |  |  |  |
|         |           |                    |           |    |           |                  |            |                         |      |                             |                      |                                   |               |                              |  |                                                                   |                                 |                                                    |                               |  |  |  |  |  |  |  |  |  |
|         |           |                    |           |    |           |                  |            |                         |      |                             |                      |                                   |               |                              |  |                                                                   |                                 |                                                    |                               |  |  |  |  |  |  |  |  |  |
|         |           |                    |           |    |           |                  |            |                         |      |                             |                      |                                   |               |                              |  |                                                                   |                                 |                                                    |                               |  |  |  |  |  |  |  |  |  |
|         |           |                    |           |    |           |                  |            |                         |      |                             |                      |                                   |               |                              |  |                                                                   |                                 |                                                    |                               |  |  |  |  |  |  |  |  |  |



**LAK-90-8.77 VSL SIGNS**

MODEL: Plan 17 - Plan 1 [Steel] PAPER SIZE: 34x22 (in.) DATE: 10/23/2025 TIME: 4:20:00 PM USER: PdfersonH  
 www:\vh0hodi-pw.bentley.com:ohiodi-pw-02\Documents\01 Active Projects\District 12\Lake 1122022\401-Engineering\_AECOM\Roadway\Sheets\122092\_GSO18.dgn

| REF NO. | SHEET NO. | STATION TO STATION |    |    |           | 625              | 625        | SPECIAL                |      | 804                         | 804                  | 804                               | 804            | 804                          |  | 809                                                               | 809                               | 809                                                  | 809                           |  |  |  |  |  |    |  |
|---------|-----------|--------------------|----|----|-----------|------------------|------------|------------------------|------|-----------------------------|----------------------|-----------------------------------|----------------|------------------------------|--|-------------------------------------------------------------------|-----------------------------------|------------------------------------------------------|-------------------------------|--|--|--|--|--|----|--|
|         |           |                    |    |    |           | TRENCH, 30" DEEP | GROUND ROD | ND WARNINGMARKING TAPE |      | FIBER OPTIC CABLE, 48 FIBER | DROP CABLE, 48 FIBER | FIBER TERMINATION PANEL, 48 FIBER | FUSION SPLICER | SPLICE ENCLOSURE, BUTT STYLE |  | ITS PULL BOX WITH PAD AND STANDARD LID ASSEMBLY, 32" WIDE, TYPE 1 | MICRO-DUCT PATHWAY, 4 CELL 1 1/2" | MICRO-DUCT PATHWAY, JACKED OR DRILLED, 4 CELL 1 1/2" | ETHERNET CABLE, OUTDOOR-RATED |  |  |  |  |  |    |  |
|         |           |                    |    |    |           | FT               | EACH       | FT                     |      | FT                          | FT                   | EACH                              | EACH           | EACH                         |  | EACH                                                              | FT                                | FT                                                   | FT                            |  |  |  |  |  |    |  |
| IC-23   | P.56      | 560+90.63          | RT | TO | 571+22.57 | RT               | 1032       |                        | 1032 |                             |                      |                                   |                |                              |  |                                                                   | 1032                              |                                                      |                               |  |  |  |  |  |    |  |
| PB-24   | P.56      | 571+22.57          | RT |    |           |                  | 1          |                        | 300  | 10                          |                      |                                   | 12             | 1                            |  | 1                                                                 |                                   | 40                                                   |                               |  |  |  |  |  |    |  |
| IC-24   | P.56 P.57 | 571+22.57          | RT | TO | 583+49.32 | RT               | 1230       |                        | 1230 |                             |                      |                                   |                |                              |  |                                                                   | 1230                              |                                                      |                               |  |  |  |  |  |    |  |
| PB-25   | P.57      | 583+49.32          | RT |    |           |                  | 1          |                        | 300  |                             |                      |                                   |                |                              |  | 1                                                                 |                                   |                                                      |                               |  |  |  |  |  |    |  |
| IC-25   | P.57      | 583+49.32          | RT | TO | 601+00.16 | RT               | 1752       |                        | 1752 |                             |                      |                                   |                |                              |  |                                                                   | 1752                              |                                                      |                               |  |  |  |  |  |    |  |
| PB-26   | P.57      | 601+00.16          | RT |    |           |                  | 1          |                        | 300  |                             |                      |                                   |                |                              |  | 1                                                                 |                                   |                                                      |                               |  |  |  |  |  |    |  |
| IC-26   | P.57 P.58 | 601+00.16          | RT | TO | 611+99.92 | RT               |            |                        | 1100 |                             |                      |                                   |                |                              |  |                                                                   | 1100                              |                                                      |                               |  |  |  |  |  |    |  |
| PB-27   | P.58      | 611+99.92          | RT |    |           |                  | 1          |                        | 300  |                             |                      |                                   |                |                              |  | 1                                                                 |                                   |                                                      |                               |  |  |  |  |  |    |  |
| IC-27   | P.58      | 611+99.92          | RT | TO | 631+29.71 | RT               | 1931       |                        | 1931 |                             |                      |                                   |                |                              |  |                                                                   | 1931                              |                                                      |                               |  |  |  |  |  |    |  |
| EXPB-1  | P.58      | 631+29.71          | RT |    |           |                  | 1          |                        | 150  | 10                          | 1                    |                                   |                |                              |  |                                                                   |                                   |                                                      |                               |  |  |  |  |  |    |  |
| PB-28   | P.60      | 683+47.98          | LT |    |           |                  | 1          |                        | 150  | 10                          |                      |                                   | 12             | 1                            |  | 1                                                                 |                                   |                                                      |                               |  |  |  |  |  |    |  |
| IC-28   | P.60      | 683+47.98          | LT | TO | 685+38.11 | LT               |            |                        | 380  |                             |                      |                                   |                |                              |  |                                                                   | 190                               |                                                      |                               |  |  |  |  |  |    |  |
| PB-29   | P.60      | 685+38.11          | LT |    |           |                  | 1          |                        | 300  |                             |                      |                                   |                |                              |  | 1                                                                 |                                   |                                                      |                               |  |  |  |  |  |    |  |
| IC-29   | P.60      | 685+38.11          | LT | TO | 685+37.60 | LT               | 222        |                        | 444  |                             |                      |                                   |                |                              |  |                                                                   | 222                               |                                                      |                               |  |  |  |  |  |    |  |
| EXPB-2  | P.60      | 685+37.60          | LT |    |           |                  | 1          |                        | 150  | 10                          | 1                    |                                   |                |                              |  |                                                                   |                                   |                                                      |                               |  |  |  |  |  |    |  |
|         |           |                    |    |    |           |                  |            |                        |      |                             |                      |                                   |                |                              |  |                                                                   |                                   |                                                      |                               |  |  |  |  |  |    |  |
|         |           |                    |    |    |           |                  |            |                        |      |                             |                      |                                   |                |                              |  |                                                                   |                                   |                                                      |                               |  |  |  |  |  |    |  |
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|         |           |                    |    |    |           |                  |            |                        |      |                             |                      |                                   |                |                              |  |                                                                   |                                   |                                                      |                               |  |  |  |  |  |    |  |
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|         |           |                    |    |    |           |                  |            |                        |      |                             |                      |                                   |                |                              |  |                                                                   |                                   |                                                      |                               |  |  |  |  |  |    |  |
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|         |           |                    |    |    |           |                  |            |                        |      |                             |                      |                                   |                |                              |  |                                                                   |                                   |                                                      |                               |  |  |  |  |  |    |  |
|         |           |                    |    |    |           |                  |            |                        |      |                             |                      |                                   |                |                              |  |                                                                   |                                   |                                                      |                               |  |  |  |  |  |    |  |
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|         |           |                    |    |    |           |                  |            |                        |      |                             |                      |                                   |                |                              |  |                                                                   |                                   |                                                      |                               |  |  |  |  |  |    |  |
|         |           |                    |    |    |           |                  |            |                        |      |                             |                      |                                   |                |                              |  |                                                                   |                                   |                                                      |                               |  |  |  |  |  | </ |  |

## INTERCONNECT SUBSUMMARY

DESIGN AGENCY



DESIGNER

HMP

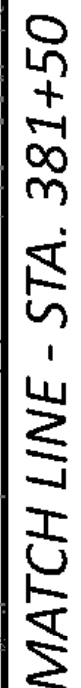
REVIEWER

MAW 10-23-25

PROJECT ID  
122092

|       |       |
|-------|-------|
| SHEET | TOTAL |
| P.48  | P.6   |



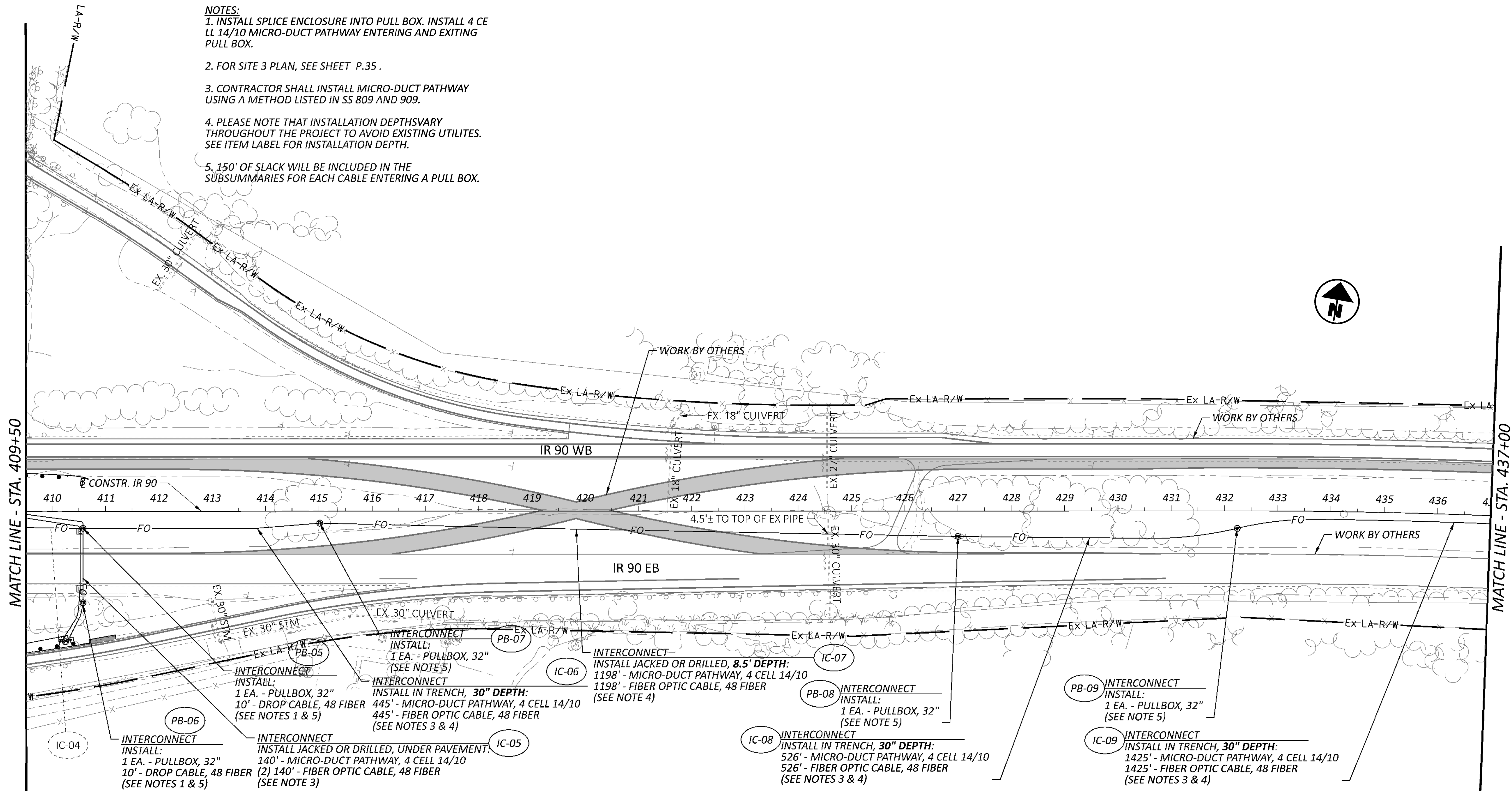




5. 150' OF SLACK WILL BE INCLUDED IN THE SUBSUMMARIES FOR EACH CABLE ENTERING A PULL BOX.

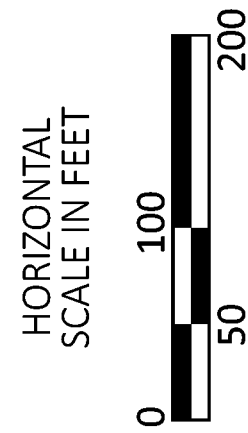
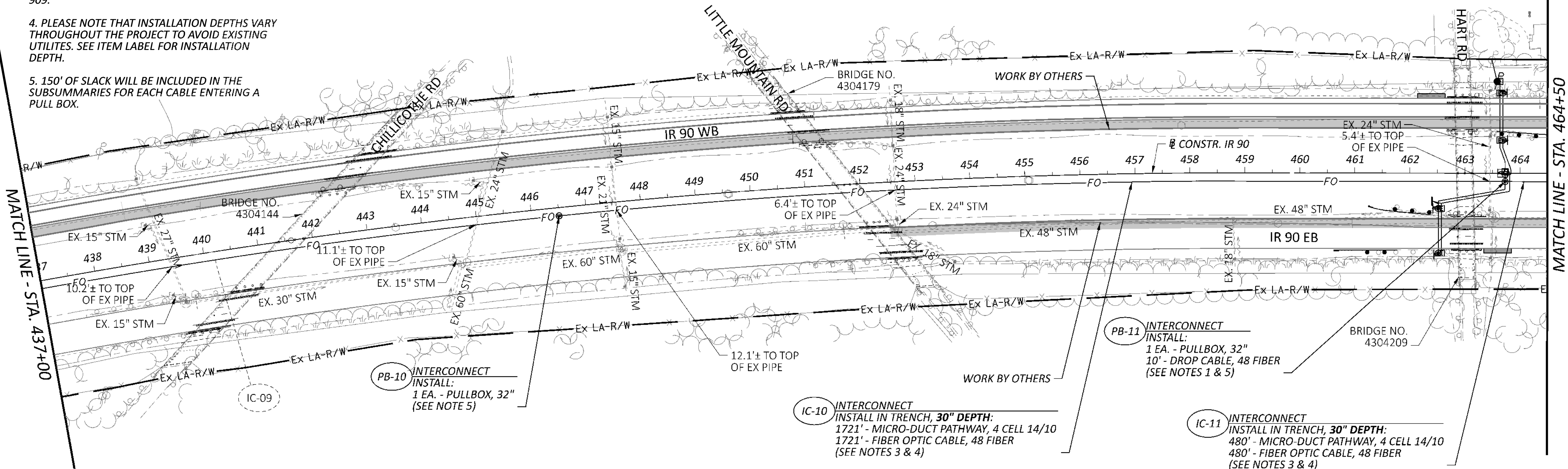




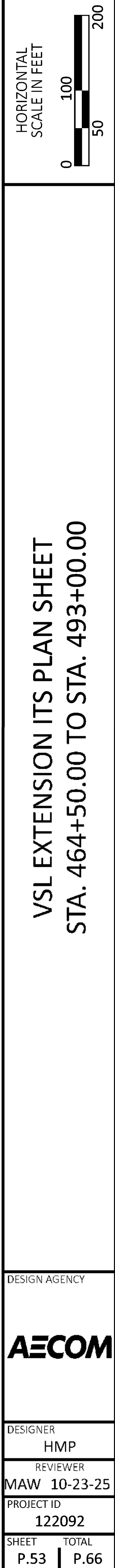




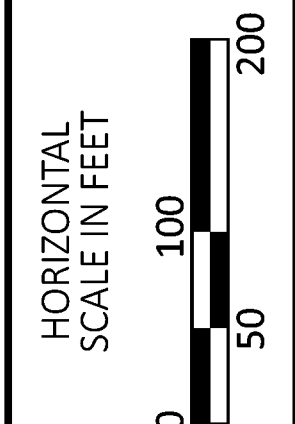
- NOTES:
1. INSTALL SPLICE ENCLOSURE INTO PULL BOX.  
INSTALL 4 CELL 14/10 MICRO-DUCT PATHWAY  
ENTERING AND EXITING PULL BOX.
  2. FOR SITE 4 PLAN, SEE SHEET P.36 .
  3. CONTRACTOR SHALL INSTALL MICRO-DUCT  
PATHWAY USING A METHOD LISTED IN SS 809 AND  
909.
  4. PLEASE NOTE THAT INSTALLATION DEPTHS VARY  
THROUGHOUT THE PROJECT TO AVOID EXISTING  
UTILITES. SEE ITEM LABEL FOR INSTALLATION  
DEPTH.
  5. 150' OF SLACK WILL BE INCLUDED IN THE  
SUBSUMMARIES FOR EACH CABLE ENTERING A  
PULL BOX.



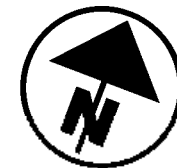




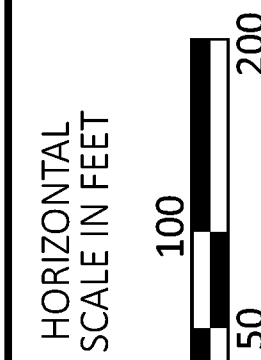
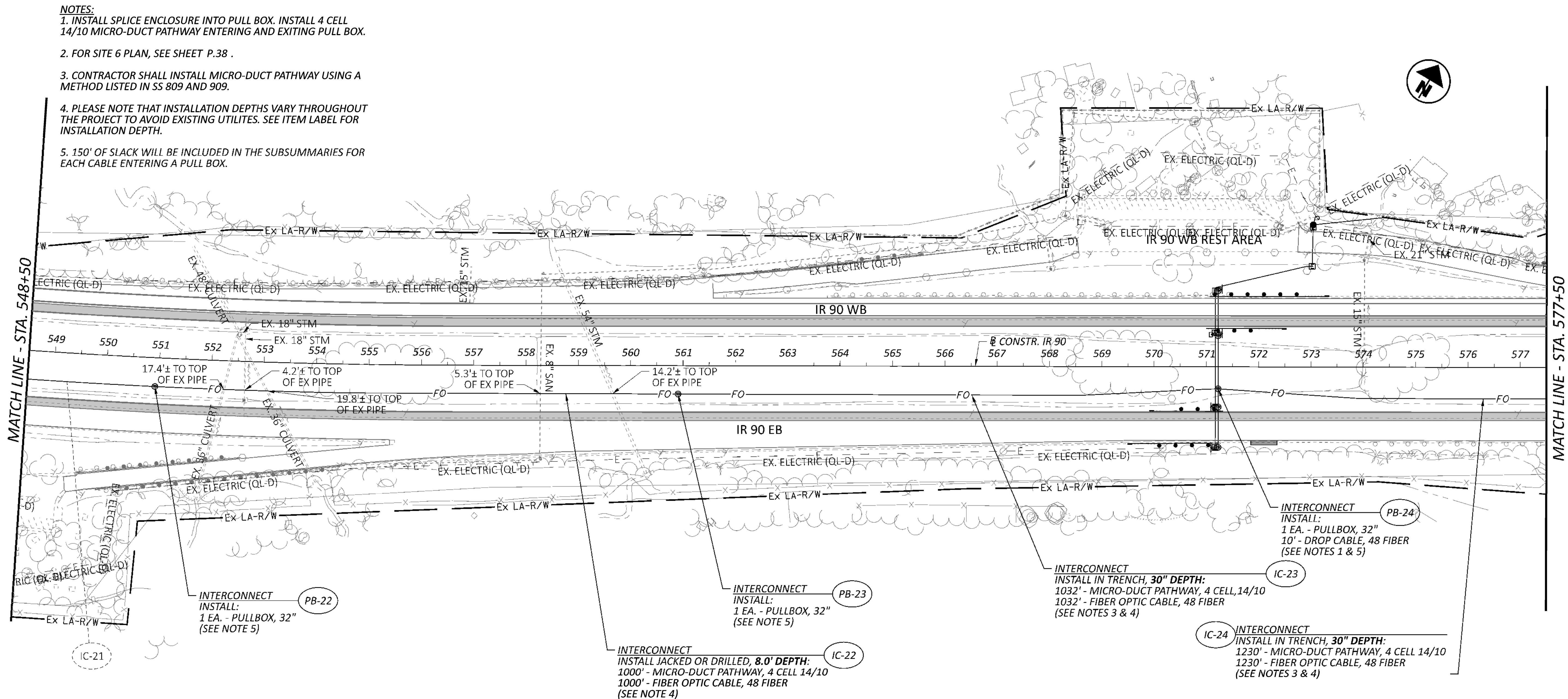




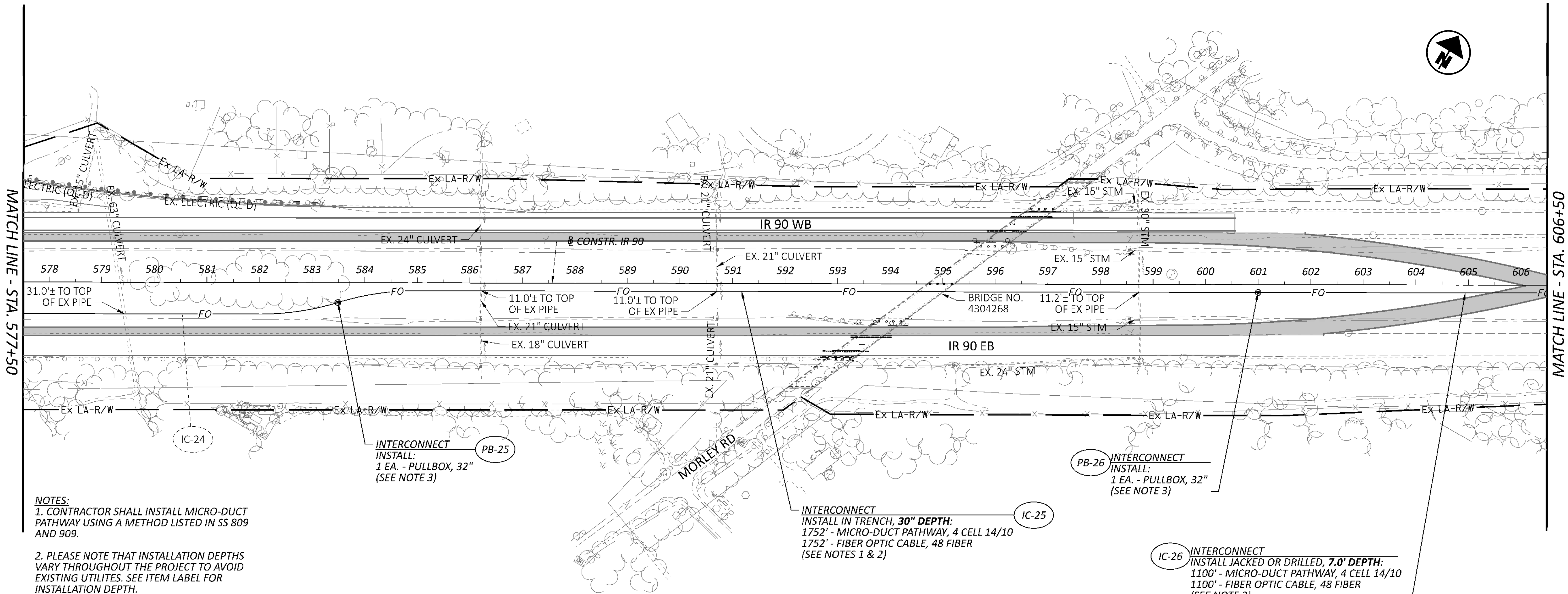




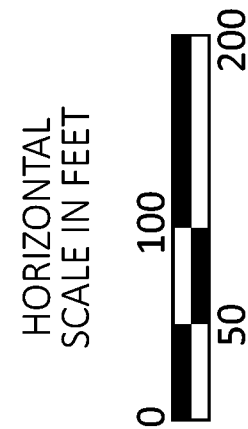








- NOTES:
1. CONTRACTOR SHALL INSTALL MICRO-DUCT PATHWAY USING A METHOD LISTED IN SS 809 AND 909.
  2. PLEASE NOTE THAT INSTALLATION DEPTHS VARY THROUGHOUT THE PROJECT TO AVOID EXISTING UTILITES. SEE ITEM LABEL FOR INSTALLATION DEPTH.
  3. 150' OF SLACK WILL BE INCLUDED IN THE SUBSUMMARIES FOR EACH CABLE ENTERING A PULL BOX.



VSL EXTENSION ITS PLAN SHEET  
STA. 577+50.00 TO STA. 606+50.00

DESIGN AGENCY

AECOM

DESIGNER

HMP

REVIEWER

MAW 10-23-25

PROJECT ID

122092

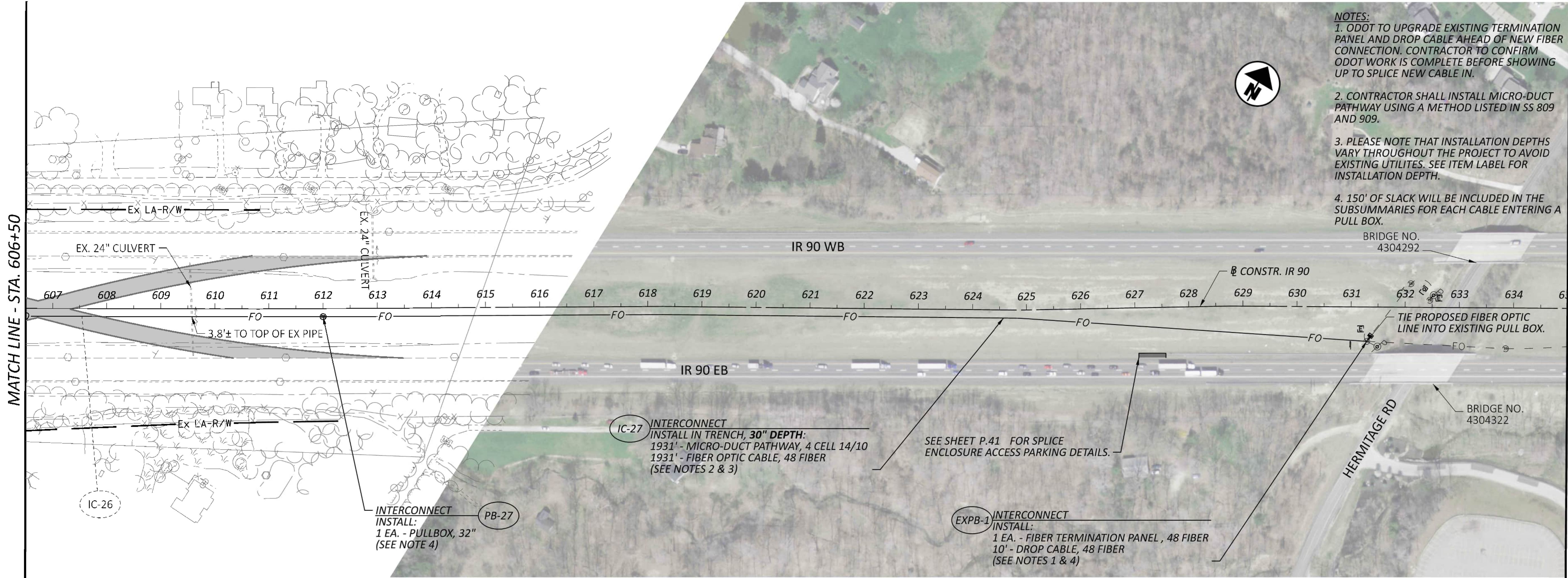
SHEET

P.57

TOTAL

P.66





MATCH LINE - STA. 635+00

VSL EXTENSION ITS PLAN SHEET  
STA. 606+50.00 TO STA. 635+00.00



DESIGN AGENCY

AECOM

DESIGNER

HMP

REVIEWER

MAW 10-23-25

PROJECT ID

122092

SHEET

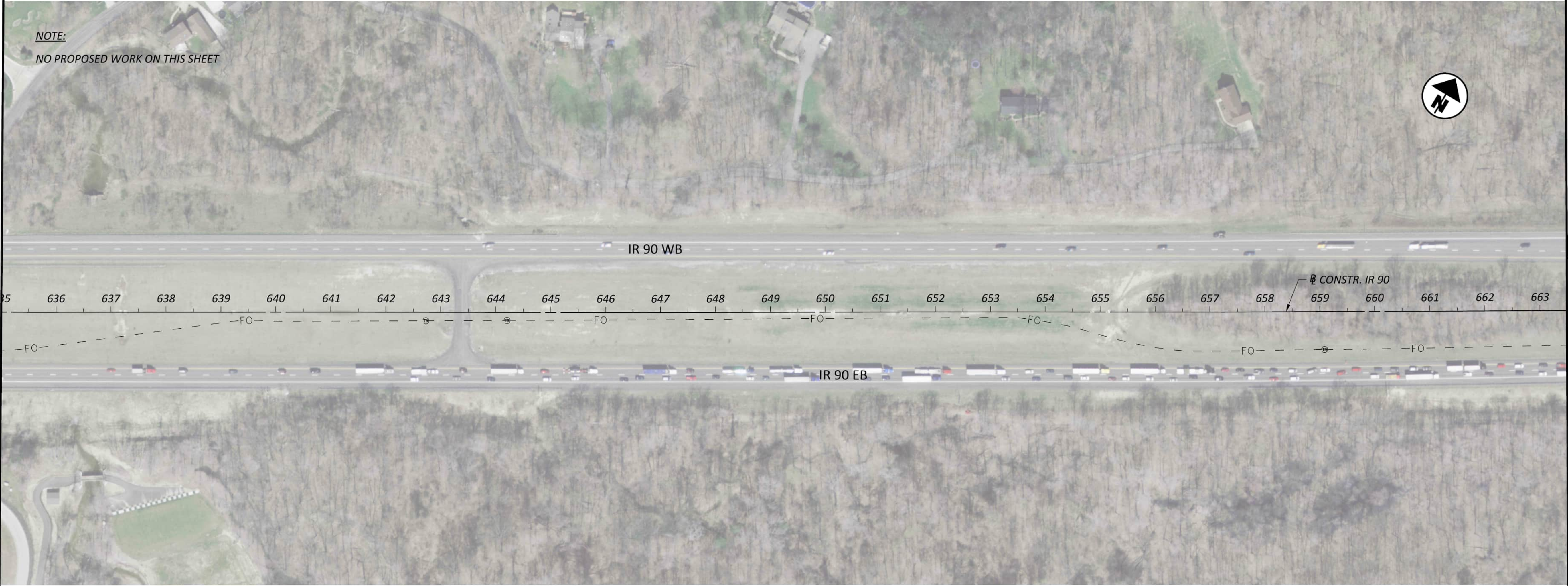
P.58

TOTAL

P.66



MATCH LINE - STA. 635+00



MATCH LINE - STA. 663+50

VSL EXTENSION ITS PLAN SHEET  
STA. 635+00.00 TO STA. 663+50.00

DESIGN AGENCY

**AECOM**

DESIGNER

HMP

REVIEWER

MAW 10-23-25

PROJECT ID

122092

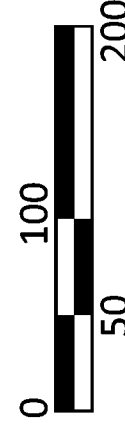
SHEET

P.59

TOTAL

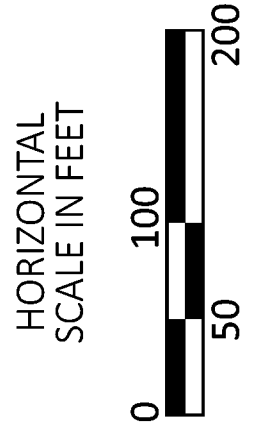
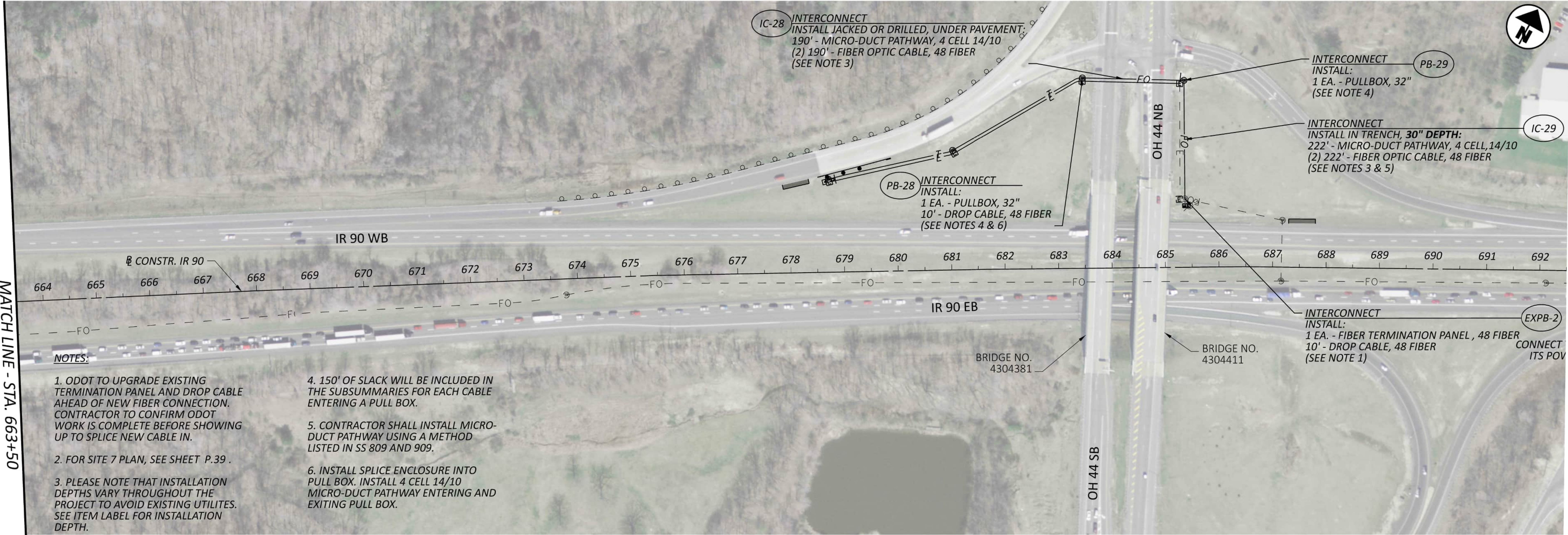
P.66

HORIZONTAL  
SCALE IN FEET





MATCH LINE - STA. 663+50



VSL EXTENSION ITS PLAN SHEET  
STA. 663+50.00 TO END

DESIGN AGENCY

**AECOM**

DESIGNER

HMP

REVIEWER

MAW 10-23-25

PROJECT ID

122092

SHEET

P.60

TOTAL

P.66



PROJECT DESCRIPTION

THE LAK-90-8.77 ITS TOWER PROJECT INCLUDES THE CONSTRUCTION OF ITS (CCTV) TOWERS IMMEDIATELY EAST OF THE OVERPASS STRUCTURES CARRYING GARFIELD ROAD, SR 615 (CENTER STREET) AND KING MEMORIAL ROAD OVER IR 90 IN LAKE COUNTY. THE ITS TOWERS ARE ANTICIPATED TO CONSIST OF 70-FOOT-TALL (ABOVE GROUND) PRECAST FIBER-REINFORCED SPUN CONCRETE POLES.

HISTORIC RECORDS

HISTORIC GEOTECHNICAL INFORMATION WAS AVAILABLE FOR THIS SITE AND INDICATED THAT SOILS AT THE GARFIELD ROAD AND SR 615 SITES WOULD GENERALLY CONSIST OF COHESIVE SOILS (A-4a, A-6a, A-6a) WITH OCCASIONAL, DISCONTINUOUS LAYERS OF GRANULAR SOILS (A-1-b, A-3a, A-4b). AT THE KING MEMORIAL ROAD SITE, EXISTING HISTORIC BORING INFORMATION INDICATED A RELATIVELY THIN COVERING OF COHESIVE SOIL (A-4a, A-6a) OVER SHALE BEDROCK NEAR EL. 852.0. NONE OF THE HISTORIC BORINGS MET CURRENT ODOT STANDARDS AND WERE THEREFORE NOT INCLUDED IN OUR EXPLORATION PROGRAM.

GEOLOGY

TWO OF THE BORINGS FOR THIS PROJECT (B-001-0-25 AND B-002-0-25) ARE LOCATED WITHIN THE ERIE LAKE PLAINS PHYSIOGRAPHIC REGION WHILE THE FINAL BORING (B-003-0-25) IS LOCATED WITHIN THE KILLBUCK-GLACIATED PITTSBURGH PLATEAU PHYSIOGRAPHIC REGION. BEDROCK TOPOGRAPHY MAPPING INDICATES BEDROCK ON THE WEST END OF THE PROJECT MAY BE ENCOUNTERED NEAR EL. 700 AT THE GARFIELD ROAD LOCATION AND NEAR EL. 675 AT THE SR 615 LOCATION. THESE ELEVATIONS ARE APPROXIMATELY 70 TO 100 FEET BELOW THE EXISTING GROUND SURFACE. AT THE KING MEMORIAL ROAD LOCATION, BEDROCK MAPPING INDICATES THAT BEDROCK MAY BE ENCOUNTERED NEAR EL. 840, OR WITHIN 10 FEET OF THE GROUND SURFACE. BEDROCK WAS NOT ENCOUNTERED AT THE GARFIELD ROAD AND SR 615 LOCATIONS BUT WAS ENCOUNTERED AT EL. 846.8 AT THE KING MEMORIAL ROAD LOCATION.

BASED ON ODNR MAPS, THIS PROJECT IS NOT LOCATED IN AN AREA OF OHIO SUBJECT TO SEVERE SLOPE FAILURES, AND NO KARST OR MAPPED ABANDONED UNDERGROUND MINES ARE REPORTED IN THIS AREA.

THE HYDROGEOLOGIC SETTING FOR THE WEST AND EAST ENDS OF THE PROJECT (BORINGS B-001-0-25 AND B-003-0-25) CONSISTS OF A PRIMARY GROUNDWATER AQUIFER WITHIN THE DEVONIAN-AGE SHALE BEDROCK WITH RELATIVELY LOW YIELDS OF 3 TO 10 GALLONS PER MINUTE (GPM). AT BORING B-002-0-25, THE PRIMARY AQUIFER IS FOUND WITHIN OVERBURDEN GLACIAL SOILS WITH HIGHER YIELDS OF 25 TO 50 GPM. GROUNDWATER POTENTIOMETRIC MAPPING INDICATES PRIMARY AQUIFERS MAY BE ENCOUNTERED 80 TO 100 FEET BELOW THE GROUND SURFACE.

RECONNAISSANCE

S&ME VISITED THE SITE ON JUNE 24, 2025, TO OBSERVE THE PROJECT SITE WITH RESPECT TO DRILLING ACCESS AND SAFETY, AND FIELD MARK THE PLANNED BORING LOCATIONS. THE GARFIELD ROAD AND SR 615 (CENTER STREET) LOCATIONS WERE ACCESSED USING AN EMERGENCY TURNAROUND APPROXIMATELY 1,400 FEET WEST OF THE GARFIELD ROAD OVERPASS. THE KING MEMORIAL ROAD LOCATION WAS ACCESSED FROM ANOTHER EMERGENCY TURNAROUND APPROXIMATELY 1,400 FEET WEST OF KING MEMORIAL ROAD. THE MEDIAN WAS GENERALLY GRASS COVERED WITH GENTLE SLOPES GRADED DOWNWARD FROM THE INSIDE SHOULDERS OF BOTH DIRECTIONS OF IR 90. A RAISED MOUND WAS PRESENT IN THE CENTER OF THE MEDIAN FOR MOST OF CENTERLINE; HOWEVER, THE GROUND SURFACE WAS GENERALLY FLAT AT THE GARFIELD ROAD AND SR 615 LOCATIONS. OVERHEAD UTILITY WIRES WERE LOCATED JUST EAST OF AND PARALLEL TO THE GARFIELD ROAD AND KING MEMORIAL DRIVE OVERPASS BRIDGES. OCCASIONAL STORM SEWER INLET STRUCTURES WERE OBSERVED IN A LOW POINTS WITHIN THE MEDIAN, BUT NOT IN IMMEDIATE PROXIMITY TO THE BORING LOCATIONS.

SUBSURFACE EXPLORATION

ON JULY 23, 2025, THE THREE (3) SOIL BORINGS (IDENTIFIED AS B-001-0-25 THROUGH B-003-0-25 AND HEREAFTER REFERRED TO AS B-001 THROUGH B-003) WERE PERFORMED TO EXPLORE THE EXISTING SUBSURFACE SOILS NEAR PROPOSED ITS TOWER LOCATION. BORINGS B-001 AND B-002 WERE TERMINATED A DEPTH OF 25 FEET IN ACCORDANCE WITH THE ODOT SGE AND BORING B-003, WAS TERMINATED AT A DEPTH OF 14 FEET AFTER PENETRATING 11 FEET INTO SHALE BEDROCK.

THE BORINGS WERE ADVANCED BY AN ATV-MOUNTED DRILL RIG USING A 3¼-INCH I.D. HOLLOW-STEM AUGER. DISTURBED, BUT REPRESENTATIVE, SOIL SAMPLES WERE PROCURED BY LOWERING A 2-INCH O.D. SPLIT-BARREL SAMPLER TO THE BOTTOM OF THE BORING, AND THEN DRIVING THE SAMPLER INTO THE SOIL WITH BLOWS FROM A 140-POUND HAMMER FREELY FALLING 30 INCHES (AASHTO T206 – STANDARD PENETRATION TEST, SPT). IN ACCORDANCE WITH THE ODOT SGE, THE HAMMER SYSTEM ON THE DRILL RIG WAS CALIBRATED IN ACCORDANCE WITH ASTM D4633 ON DECEMBER 30, 2024, AND A DRILL ROD ENERGY RATIO OF 91% WAS MEASURED. THE DRILL ROD ENERGY RATIO WAS LIMITED TO 90% PER SECTION 404.3 OF THE ODOT SGE. SPT SAMPLES WERE EXAMINED IMMEDIATELY AFTER RECOVERY AND REPRESENTATIVE PORTIONS WERE PRESERVED IN AIRTIGHT GLASS JARS. UPON COMPLETION OF EACH BORING, GROUNDWATER OBSERVATIONS WERE RECORDED, THE BORING WAS BACKFILLED USING SOIL CUTTINGS MIXED WITH BENTONITE GRAVEL.

EXPLORATION FINDINGS

EACH BORING ENCOUNTERED 4 TO 6 INCHES OF TOPSOIL AT THE SURFACE FOLLOWED BY EXISTING FILL EXTENDING TO DEPTHS RANGING FROM 3 TO 6.5 FEET BELOW EXISTING GRADE. THE EXISTING FILL CONSISTED OF VERY STIFF TO HARD BROWN, GRAY AND RED SANDY SILT (A-4a) OR SILT AND CLAY (A-6a). BELOW THE FILL, BORINGS B-001 AND B-002 ENCOUNTERED NATURAL SOIL DESCRIBED AS STIFF TO HARD BROWN AND/OR GRAY SANDY SILT (A-4a) OR SILT AND CLAY (A-6a) TO A TERMINATION DEPTH OF 25 FEET.

IN BORING B-003, HIGHLY TO SEVERELY WEATHERED GRAY SHALE BEDROCK WAS ENCOUNTERED IMMEDIATELY BENEATH THE FILL AT A DEPTH OF 3 FEET (EL. 846.8). THE BORING WAS TERMINATED IN THE VERY WEAK TO WEAK SHALE AT A DEPTH OF 14 FEET.

DURING DRILLING, SLIGHT GROUNDWATER SEEPAGE WAS ENCOUNTERED AT A DEPTH OF 8.5 FEET IN BORING B-001, WITH A MORE SIGNIFICANT QUANTITY OF WATER ENCOUNTERED AT A DEPTH OF 21.5 FEET. NO GROUNDWATER/SEEPAGE WAS OBSERVED DURING DRILLING IN BORINGS B-002 AND B-003. EXTENDED GROUNDWATER READINGS WERE NOT OBTAINED.

SPECIFICATIONS

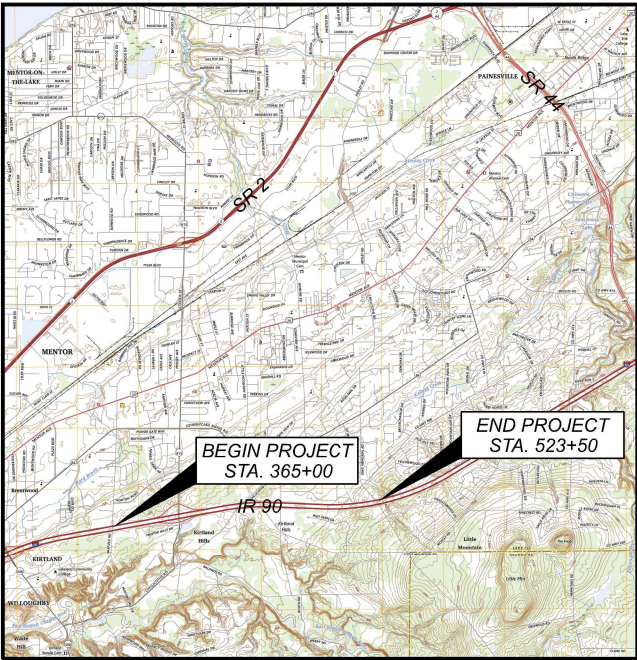
THIS GEOTECHNICAL EXPLORATION WAS PERFORMED IN ACCORDANCE WITH THE STATE OF OHIO, DEPARTMENT OF TRANSPORTATION, OFFICE OF GEOTECHNICAL ENGINEERING, SPECIFICATIONS FOR GEOTECHNICAL EXPLORATIONS, DATED JULY 2025.

AVAILABLE INFORMATION

THE SOIL, BEDROCK, AND GROUNDWATER INFORMATION COLLECTED FOR THIS SUBSURFACE EXPLORATION THAT CAN BE CONVENIENTLY DISPLAYED ON THE GEOTECHNICAL PROFILE SHEETS HAS BEEN PRESENTED. GEOTECHNICAL REPORTS, IF PREPARED, ARE AVAILABLE FOR REVIEW ON THE OFFICE OF CONTRACT SALES WEBSITE.

LEGEND

| DESCRIPTION                                                                                                                                                                                                 | ODOT CLASS                                                                                                                                                                            | CLASSIFIED MECH./VISUAL |    |
|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-------------------------|----|
|  SANDY SILT                                                                                                              | A-4a                                                                                                                                                                                  | 5                       | 5  |
|  SILT AND CLAY                                                                                                           | A-6a                                                                                                                                                                                  | 5                       | 10 |
|                                                                                                                                                                                                             | TOTAL                                                                                                                                                                                 | 10                      | 15 |
|  SHALE                                                                                                                   | VISUAL                                                                                                                                                                                |                         |    |
|  SOD AND TOPSOIL = X = APPROXIMATE THICKNESS                                                                             | VISUAL                                                                                                                                                                                |                         |    |
|  BORING LOCATION - PLAN VIEW.                                                                                            |                                                                                                                                                                                       |                         |    |
|  DRIVE SAMPLE AND/OR ROCK CORE BORING PLOTTED TO VERTICAL SCALE ONLY. HORIZONTAL BAR INDICATES A CHANGE IN STRATIGRAPHY. |                                                                                                                                                                                       |                         |    |
| WC                                                                                                                                                                                                          | INDICATES WATER CONTENT IN PERCENT.                                                                                                                                                   |                         |    |
| N <sub>60</sub>                                                                                                                                                                                             | INDICATES STANDARD PENETRATION RESISTANCE NORMALIZED TO 60% DRILL ROD ENERGY RATIO.                                                                                                   |                         |    |
| W—                                                                                                                                                                                                          | INDICATES FREE WATER ELEVATION.                                                                                                                                                       |                         |    |
| X/D"                                                                                                                                                                                                        | NUMBER OF BLOWS FOR STANDARD PENETRATION TEST (SPT):<br>X/D"= NUMBER OF BLOWS (UNCORRECTED) FOR D" OF PENETRATION AT REFUSAL.                                                         |                         |    |
| X/Y/D"                                                                                                                                                                                                      | NUMBER OF BLOWS FOR STANDARD PENETRATION TEST (SPT):<br>X= NUMBER OF BLOWS FOR FIRST 6 INCHES (UNCORRECTED).<br>Y/D"= NUMBER OF BLOWS (UNCORRECTED) FOR D" OF PENETRATION AT REFUSAL. |                         |    |
| SS                                                                                                                                                                                                          | INDICATES A SPLIT SPOON SAMPLE.                                                                                                                                                       |                         |    |
| NP                                                                                                                                                                                                          | INDICATES A NON-PLASTIC SAMPLE.                                                                                                                                                       |                         |    |
| TR—                                                                                                                                                                                                         | INDICATES TOP OF ROCK ELEVATION.                                                                                                                                                      |                         |    |

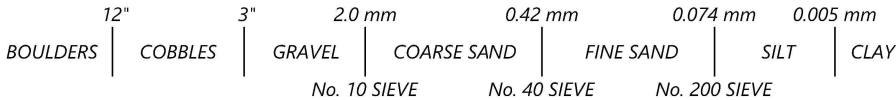


LOCATION MAP

SCALE IN MILES



PARTICLE SIZE DEFINITIONS



INDEX OF SHEETS

| LOCATION FROM STA. | TO STA. | PLAN | PROFILE | CROSS SECTION |
|--------------------|---------|------|---------|---------------|
| IR 90              |         |      |         |               |
| 365+00             | 379+50  | 2    | 2       | --            |
| IR 90              |         |      |         |               |
| 401+00             | 415+50  | 3    | 3       | --            |
| IR 90              |         |      |         |               |
| 509+00             | 523+50  | 4    | 4       | --            |

LOGS OF BORINGS, SHEETS 5 - 6

|            |                                 |
|------------|---------------------------------|
| RECON. -   | S&ME 6/24/25                    |
| DRILLING - | S&ME/OTB 7/23/25                |
| DRAWN -    | KAH 9/25/25 - 9/30/25, 10/14/25 |
| REVIEWED - | BKS 10/15/25                    |

DESIGN AGENCY



DESIGNER

KAH

REVIEWER

BKS

PROJECT ID

122092

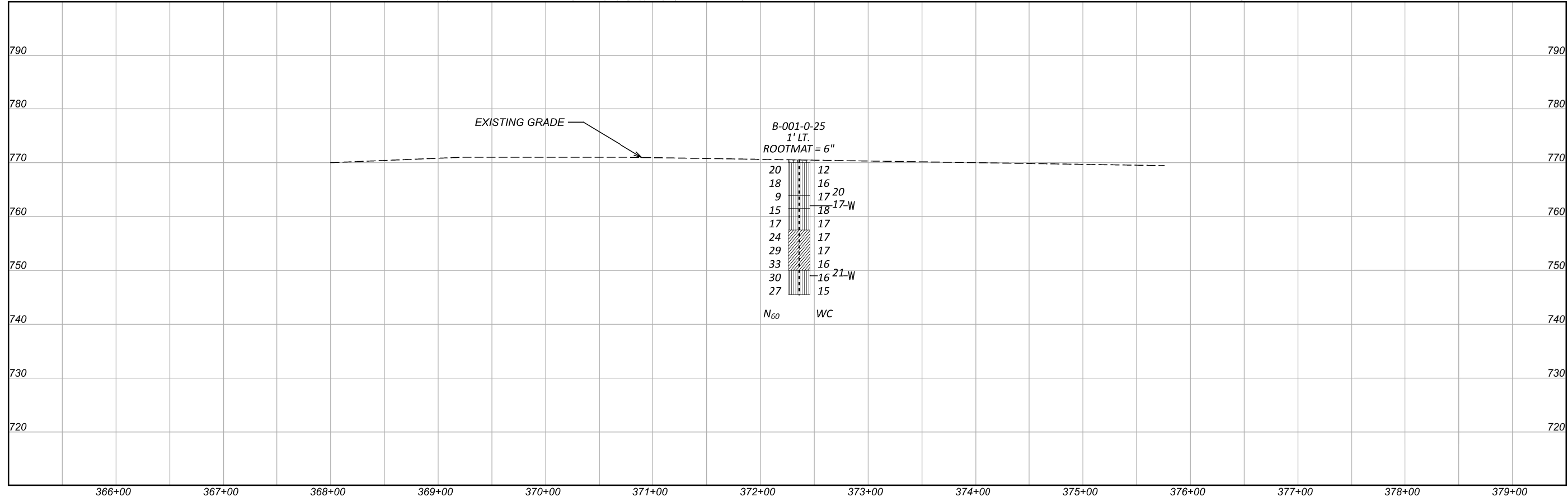
SUBSET TOTAL

1 6

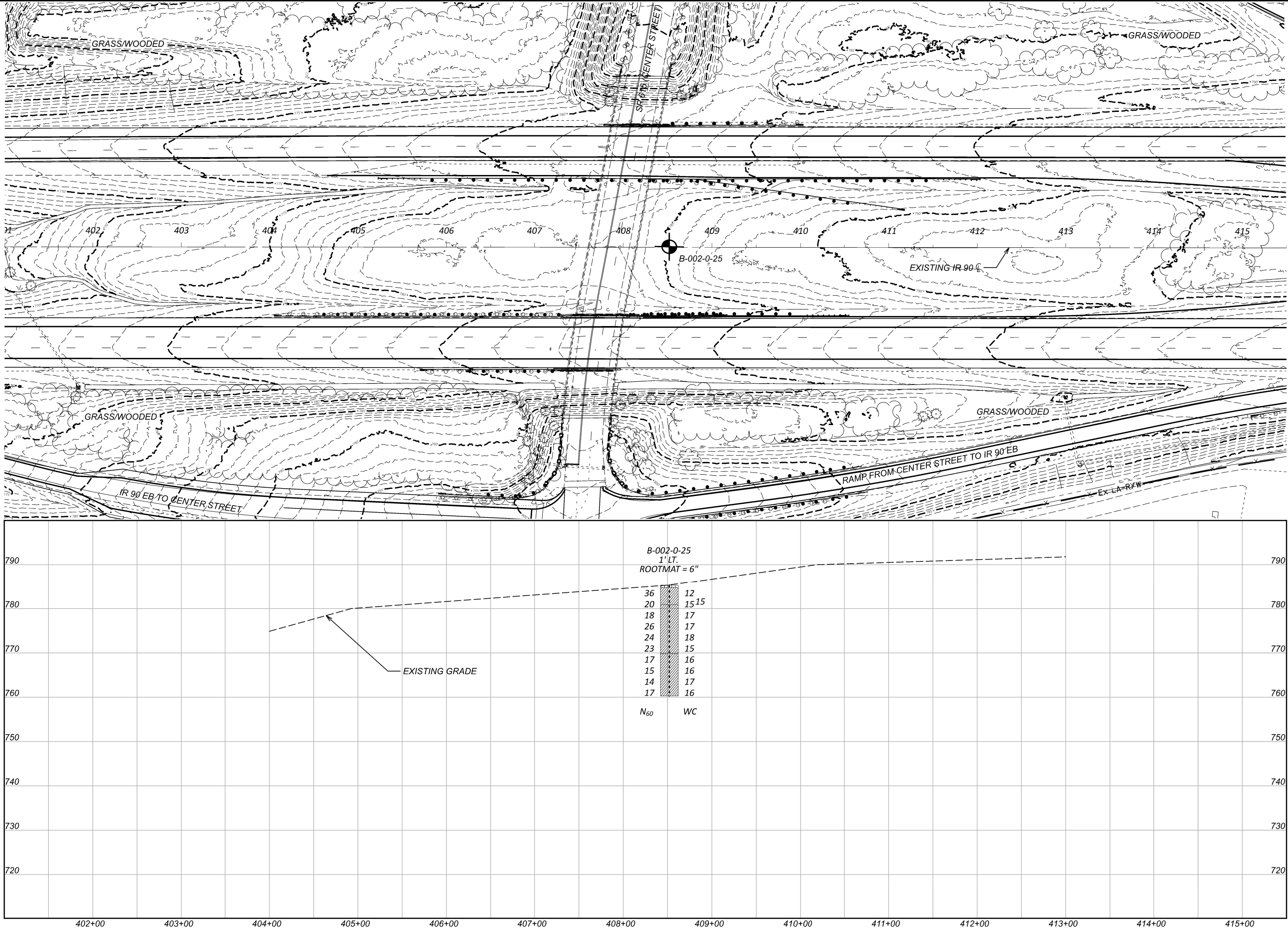
SHEET TOTAL

P. 61 66









HORIZONTAL  
SCALE IN FEET

0 25 50 100

GEOTECHNICAL PROFILE - STRUCTURE

LAK-90-8.77 ITS TOWERS

STA. 401+00 TO STA. 415+50

DESIGNER  
KAH

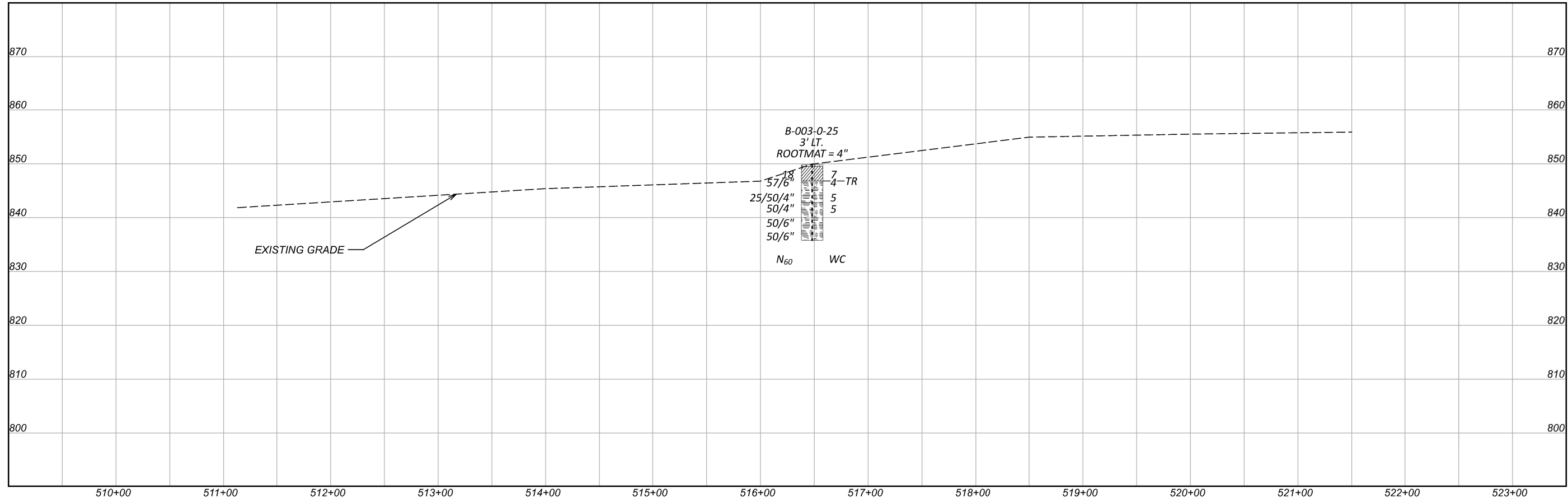
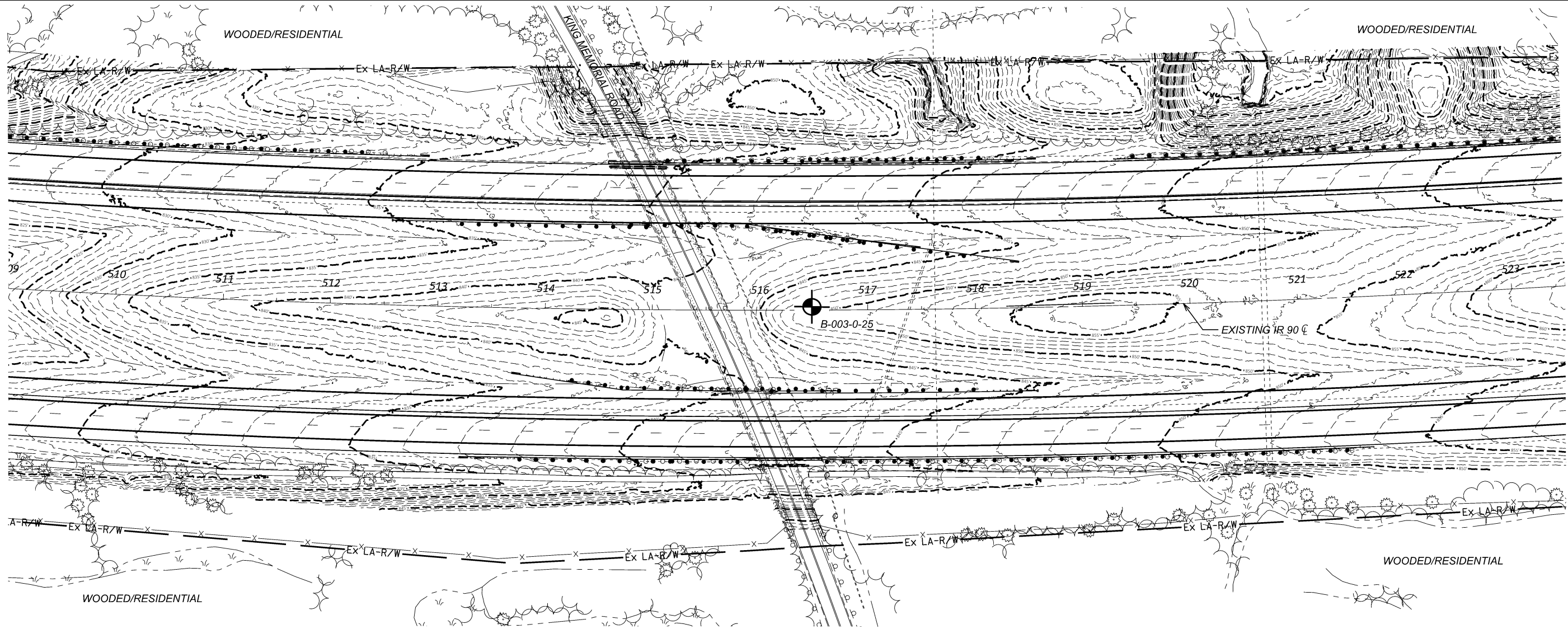
REVIEWER  
BKS

PROJECT ID  
122092

|        |       |
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| SUBSET | TOTAL |
| 3      | 6     |

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| SHEET | TOTAL |
| P. 63 | 66    |







HORIZONTAL  
SCALE IN FEET



GEOTECHNICAL PROFILE - STRUCTURE  
LAK-90-8.77 ITS TOWERS  
STA. 509+00 TO STA. 523+50



DESIGNER  
KAH

REVIEWER  
BKS

PROJECT ID  
122092

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| SUBSET | TOTAL |
| 4      | 6     |

SHEET  
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|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--|--|-------------------------------------------|--|--|----------------------------|--|--|--------------------------------------|--|--|----------------|--|-----------|--|----------|-----------------|------------|-----------|----|--|----|--|----|--|----|--|----|--|----|--|----|--|----|--|----|--|----|--|
| PROJECT: LAK-90-8.77 ITS TOWERS                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   |  |  | DRILLING FIRM / OPERATOR: OTB / D. HEPNER |  |  | DRILL RIG: OTB ATV B-57    |  |  | STATION / OFFSET: 372+36, 1' LT      |  |  | EXPLORATION ID |  |           |  |          |                 |            |           |    |  |    |  |    |  |    |  |    |  |    |  |    |  |    |  |    |  |    |  |
| TYPE: ITS TOWER                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   |  |  | SAMPLING FIRM / LOGGER: S&M / S. SMITH    |  |  | HAMMER: SAFETY HAMMER      |  |  | ALIGNMENT: IR 90 CL                  |  |  | B-001-0-25     |  |           |  |          |                 |            |           |    |  |    |  |    |  |    |  |    |  |    |  |    |  |    |  |    |  |    |  |
| PID: 122092 BR ID: N/A                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            |  |  | DRILLING METHOD: 3-1/4" HSA               |  |  | CALIBRATION DATE: 12/30/24 |  |  | ELEVATION: 770.5 (MSL) EOB: 25.0 ft. |  |  | PAGE           |  |           |  |          |                 |            |           |    |  |    |  |    |  |    |  |    |  |    |  |    |  |    |  |    |  |    |  |
| START: 7/23/25 END: 7/23/25                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       |  |  | SAMPLING METHOD: SPT                      |  |  | ENERGY RATIO (%): 90°      |  |  | COORD: 41.644443 N, 81.353134 W      |  |  | 1 OF 1         |  |           |  |          |                 |            |           |    |  |    |  |    |  |    |  |    |  |    |  |    |  |    |  |    |  |    |  |
| MATERIAL DESCRIPTION AND NOTES                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    |  |  |                                           |  |  |                            |  |  |                                      |  |  | GRADATION (%)  |  | ATTEMBERG |  |          | ODOT CLASS (gi) |            | BACK FILL |    |  |    |  |    |  |    |  |    |  |    |  |    |  |    |  |    |  |    |  |
| <div>ROOTMAT - 6 INCHES</div> <div>FILL: Very stiff to hard brown with red and gray <b>SANDY SILT</b>, "and" clay, trace fine gravel, damp to moist.</div> <div>@ 6.0': stiff</div> <div>Stiff reddish-brown <b>SANDY SILT</b>, some clay, trace fine gravel, moist.</div> <div>Very stiff brown mottled with gray <b>SANDY SILT</b>, "and" clay, trace fine gravel, damp to moist.</div> <div>Very stiff to hard <b>SILT AND CLAY</b>, little fine to coarse sand, trace fine gravel, damp.</div> <div>Very stiff brown mottled with gray <b>SANDY SILT</b>, some to "and" clay, trace fine gravel, moist.</div> |  |  |                                           |  |  |                            |  |  |                                      |  |  | ELEV.          |  | DEPTHS    |  | SPT/ RQD |                 | REC SAMPLE |           | HP |  | GR |  | CS |  | FS |  | SI |  | CL |  | LL |  | PL |  | PI |  | WC |  |
|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   |  |  |                                           |  |  |                            |  |  |                                      |  |  | 770.5          |  |           |  |          |                 |            |           |    |  |    |  |    |  |    |  |    |  |    |  |    |  |    |  |    |  |    |  |
|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   |  |  |                                           |  |  |                            |  |  |                                      |  |  | 770.0          |  |           |  |          |                 |            |           |    |  |    |  |    |  |    |  |    |  |    |  |    |  |    |  |    |  |    |  |
|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   |  |  |                                           |  |  |                            |  |  |                                      |  |  |                |  |           |  |          |                 |            |           |    |  |    |  |    |  |    |  |    |  |    |  |    |  |    |  |    |  |    |  |
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PLATE 1

NOTES: SEE ABOVE

ABANDONMENT METHODS. MATERIALS. QUANTITIES: SOIL CUTTINGS MIXED WITH BENTONITE



|                                                                                                                                                                                                                                                                                                                                                            |  |     |                                           |   |  |                            |  |  |                                      |  |  |                |  |           |  |          |                 |                 |           |                |  |      |  |          |  |          |  |    |  |    |  |    |  |    |  |    |  |    |  |    |  |    |  |    |  |
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| PROJECT: LAK-90-8.77 ITS TOWERS                                                                                                                                                                                                                                                                                                                            |  |     | DRILLING FIRM / OPERATOR: OTB / D. HEPNER |   |  | DRILL RIG: OTB ATV B-57    |  |  | STATION / OFFSET: 408+52, 1' LT      |  |  | EXPLORATION ID |  |           |  |          |                 |                 |           |                |  |      |  |          |  |          |  |    |  |    |  |    |  |    |  |    |  |    |  |    |  |    |  |    |  |
| TYPE: ITS TOWER                                                                                                                                                                                                                                                                                                                                            |  |     | SAMPLING FIRM / LOGGER: S&M / S. SMITH    |   |  | HAMMER: SAFETY HAMMER      |  |  | ALIGNMENT: IR 90 CL                  |  |  | B-002-0-25     |  |           |  |          |                 |                 |           |                |  |      |  |          |  |          |  |    |  |    |  |    |  |    |  |    |  |    |  |    |  |    |  |    |  |
| PID: 122092 BR ID: N/A                                                                                                                                                                                                                                                                                                                                     |  |     | DRILLING METHOD: 3-1/4" HSA               |   |  | CALIBRATION DATE: 12/30/24 |  |  | ELEVATION: 785.3 (MSL) EOB: 25.0 ft. |  |  | PAGE           |  |           |  |          |                 |                 |           |                |  |      |  |          |  |          |  |    |  |    |  |    |  |    |  |    |  |    |  |    |  |    |  |    |  |
| START: 7/23/25 END: 7/23/25                                                                                                                                                                                                                                                                                                                                |  |     | SAMPLING METHOD: SPT                      |   |  | ENERGY RATIO (%): 90*      |  |  | COORD: 41.646217 N, 81.340117 W      |  |  | 1 OF 1         |  |           |  |          |                 |                 |           |                |  |      |  |          |  |          |  |    |  |    |  |    |  |    |  |    |  |    |  |    |  |    |  |    |  |
| MATERIAL DESCRIPTION AND NOTES                                                                                                                                                                                                                                                                                                                             |  |     |                                           |   |  |                            |  |  |                                      |  |  | GRADATION (%)  |  | ATTEMBERG |  |          | ODOT CLASS (GI) |                 | BACK FILL |                |  |      |  |          |  |          |  |    |  |    |  |    |  |    |  |    |  |    |  |    |  |    |  |    |  |
| ROOTMAT - 6 INCHES<br><br>FILL: Hard brown SILT AND CLAY, little fine to coarse sand, trace fine gravel, few roots, dry to damp.<br><br>Very stiff to hard brown mottled with gray SILT AND CLAY, little fine to coarse sand, trace fine gravel, damp.<br><br>Stiff to very stiff gray SILT AND CLAY, little fine to coarse sand, trace fine gravel, damp. |  |     |                                           |   |  |                            |  |  |                                      |  |  | ELEV.          |  | DEPTHS    |  | SPT/ RQD |                 | N <sub>60</sub> |           | REC SAMPLE (%) |  | ID   |  | HP (tsf) |  | GR       |  | CS |  | FS |  | SI |  | CL |  | LL |  | PL |  | PI |  | WC |  |    |  |
|                                                                                                                                                                                                                                                                                                                                                            |  |     |                                           |   |  |                            |  |  |                                      |  |  | 785.3          |  | 1         |  | 7        |                 | 36              |           | 78             |  | SS-1 |  | 4.5+     |  |          |  |    |  |    |  |    |  |    |  |    |  |    |  |    |  |    |  |    |  |
|                                                                                                                                                                                                                                                                                                                                                            |  |     |                                           |   |  |                            |  |  |                                      |  |  | 784.8          |  | 2         |  | 14       |                 | 10              |           |                |  |      |  |          |  |          |  |    |  |    |  |    |  |    |  |    |  |    |  |    |  |    |  |    |  |
|                                                                                                                                                                                                                                                                                                                                                            |  |     |                                           |   |  |                            |  |  |                                      |  |  |                |  | 3         |  |          |                 |                 |           |                |  |      |  |          |  |          |  |    |  |    |  |    |  |    |  |    |  |    |  |    |  |    |  |    |  |
|                                                                                                                                                                                                                                                                                                                                                            |  |     |                                           |   |  |                            |  |  |                                      |  |  | 780.9          |  | 4         |  | 5        |                 | 7               |           | 20             |  | 94   |  | SS-2A    |  | 4.5+     |  | 5  |  | 7  |  | 11 |  | 29 |  | 48 |  | 33 |  | 19 |  | 14 |  | 15 |  |
|                                                                                                                                                                                                                                                                                                                                                            |  |     |                                           |   |  |                            |  |  |                                      |  |  |                |  | 5         |  | 6        |                 |                 |           |                |  |      |  | SS-2B    |  | 2.8-3.2  |  |    |  |    |  |    |  |    |  |    |  |    |  |    |  |    |  |    |  |
|                                                                                                                                                                                                                                                                                                                                                            |  |     |                                           |   |  |                            |  |  |                                      |  |  |                |  | 6         |  | 3        |                 | 5               |           | 18             |  | 89   |  | SS-3     |  | 3.5-4.5  |  |    |  |    |  |    |  |    |  |    |  |    |  |    |  |    |  |    |  |
|                                                                                                                                                                                                                                                                                                                                                            |  |     |                                           |   |  |                            |  |  |                                      |  |  |                |  | 7         |  |          |                 | 7               |           |                |  |      |  |          |  |          |  |    |  |    |  |    |  |    |  |    |  |    |  |    |  |    |  |    |  |
|                                                                                                                                                                                                                                                                                                                                                            |  |     |                                           |   |  |                            |  |  |                                      |  |  |                |  | 8         |  |          |                 |                 |           |                |  |      |  |          |  |          |  |    |  |    |  |    |  |    |  |    |  |    |  |    |  |    |  |    |  |
|                                                                                                                                                                                                                                                                                                                                                            |  |     |                                           |   |  |                            |  |  |                                      |  |  |                |  | 9         |  | 4        |                 | 7               |           | 26             |  | 100  |  | SS-4     |  | 2.25-4.5 |  | 4  |  | 7  |  | 9  |  | 32 |  | 48 |  | 33 |  | 20 |  | 13 |  | 17 |  |
|                                                                                                                                                                                                                                                                                                                                                            |  |     |                                           |   |  |                            |  |  |                                      |  |  |                |  | 10        |  |          |                 | 10              |           |                |  |      |  |          |  |          |  |    |  |    |  |    |  |    |  |    |  |    |  |    |  |    |  |    |  |
|                                                                                                                                                                                                                                                                                                                                                            |  |     |                                           |   |  |                            |  |  |                                      |  |  |                |  | 11        |  | 4        |                 | 7               |           | 24             |  | 100  |  | SS-5     |  | 4.5+     |  |    |  |    |  |    |  |    |  |    |  |    |  |    |  |    |  |    |  |
|                                                                                                                                                                                                                                                                                                                                                            |  |     |                                           |   |  |                            |  |  |                                      |  |  |                |  | 12        |  | 9        |                 |                 |           |                |  |      |  |          |  |          |  |    |  |    |  |    |  |    |  |    |  |    |  |    |  |    |  |    |  |
|                                                                                                                                                                                                                                                                                                                                                            |  |     |                                           |   |  |                            |  |  |                                      |  |  |                |  | 13        |  |          |                 |                 |           |                |  |      |  |          |  |          |  |    |  |    |  |    |  |    |  |    |  |    |  |    |  |    |  |    |  |
|                                                                                                                                                                                                                                                                                                                                                            |  |     |                                           |   |  |                            |  |  |                                      |  |  |                |  | 14        |  | 4        |                 | 7               |           | 23             |  | 100  |  | SS-6     |  | 3.0-4.5  |  |    |  |    |  |    |  |    |  |    |  |    |  |    |  |    |  |    |  |
|                                                                                                                                                                                                                                                                                                                                                            |  |     |                                           |   |  |                            |  |  |                                      |  |  |                |  | 15        |  | 8        |                 |                 |           |                |  |      |  |          |  |          |  |    |  |    |  |    |  |    |  |    |  |    |  |    |  |    |  |    |  |
|                                                                                                                                                                                                                                                                                                                                                            |  |     |                                           |   |  |                            |  |  |                                      |  |  |                |  | 16        |  |          |                 |                 |           |                |  |      |  |          |  |          |  |    |  |    |  |    |  |    |  |    |  |    |  |    |  |    |  |    |  |
|                                                                                                                                                                                                                                                                                                                                                            |  |     |                                           |   |  |                            |  |  |                                      |  |  |                |  | 17        |  | 3        |                 | 5               |           | 17             |  | 78   |  | SS-7     |  | 2.25-3.5 |  |    |  |    |  |    |  |    |  |    |  |    |  |    |  |    |  |    |  |
|                                                                                                                                                                                                                                                                                                                                                            |  |     |                                           |   |  |                            |  |  |                                      |  |  |                |  | 18        |  | 6        |                 |                 |           |                |  |      |  |          |  |          |  |    |  |    |  |    |  |    |  |    |  |    |  |    |  |    |  |    |  |
|                                                                                                                                                                                                                                                                                                                                                            |  |     |                                           |   |  |                            |  |  |                                      |  |  |                |  | 19        |  | 3        |                 | 4               |           | 15             |  | 89   |  | SS-8     |  | 1.75-2.5 |  | 3  |  | 6  |  | 9  |  | 35 |  | 47 |  | 27 |  | 16 |  | 11 |  | 16 |  |
|                                                                                                                                                                                                                                                                                                                                                            |  |     |                                           |   |  |                            |  |  |                                      |  |  |                |  | 20        |  | 6        |                 |                 |           |                |  |      |  |          |  |          |  |    |  |    |  |    |  |    |  |    |  |    |  |    |  |    |  |    |  |
|                                                                                                                                                                                                                                                                                                                                                            |  |     |                                           |   |  |                            |  |  |                                      |  |  |                |  | 21        |  |          |                 |                 |           |                |  |      |  |          |  |          |  |    |  |    |  |    |  |    |  |    |  |    |  |    |  |    |  |    |  |
|                                                                                                                                                                                                                                                                                                                                                            |  |     |                                           |   |  |                            |  |  |                                      |  |  |                |  | 22        |  | 2        |                 | 4               |           | 14             |  | 89   |  | SS-9     |  | 2.0-3.0  |  |    |  |    |  |    |  |    |  |    |  |    |  |    |  |    |  |    |  |
|                                                                                                                                                                                                                                                                                                                                                            |  |     |                                           |   |  |                            |  |  |                                      |  |  |                |  | 23        |  | 5        |                 |                 |           |                |  |      |  |          |  |          |  |    |  |    |  |    |  |    |  |    |  |    |  |    |  |    |  |    |  |
|                                                                                                                                                                                                                                                                                                                                                            |  |     |                                           |   |  |                            |  |  |                                      |  |  |                |  | 24        |  | 3        |                 | 5               |           | 17             |  | 89   |  | SS-10    |  | 2.0-2.5  |  |    |  |    |  |    |  |    |  |    |  |    |  |    |  |    |  |    |  |
|                                                                                                                                                                                                                                                                                                                                                            |  | 25  |                                           | 6 |  |                            |  |  |                                      |  |  |                |  |           |  |          |                 |                 |           |                |  |      |  |          |  |          |  |    |  |    |  |    |  |    |  |    |  |    |  |    |  |    |  |    |  |
|                                                                                                                                                                                                                                                                                                                                                            |  | EOB |                                           |   |  |                            |  |  |                                      |  |  |                |  |           |  |          |                 |                 |           |                |  |      |  |          |  |          |  |    |  |    |  |    |  |    |  |    |  |    |  |    |  |    |  |    |  |
|                                                                                                                                                                                                                                                                                                                                                            |  |     |                                           |   |  |                            |  |  |                                      |  |  |                |  |           |  |          |                 |                 |           |                |  |      |  |          |  |          |  |    |  |    |  |    |  |    |  |    |  |    |  |    |  |    |  |    |  |
|                                                                                                                                                                                                                                                                                                                                                            |  |     |                                           |   |  |                            |  |  |                                      |  |  |                |  |           |  |          |                 |                 |           |                |  |      |  |          |  |          |  |    |  |    |  |    |  |    |  |    |  |    |  |    |  |    |  |    |  |
|                                                                                                                                                                                                                                                                                                                                                            |  |     |                                           |   |  |                            |  |  |                                      |  |  |                |  |           |  |          |                 |                 |           |                |  |      |  |          |  |          |  |    |  |    |  |    |  |    |  |    |  |    |  |    |  |    |  |    |  |
|                                                                                                                                                                                                                                                                                                                                                            |  |     |                                           |   |  |                            |  |  |                                      |  |  |                |  |           |  |          |                 |                 |           |                |  |      |  |          |  |          |  |    |  |    |  |    |  |    |  |    |  |    |  |    |  |    |  |    |  |
|                                                                                                                                                                                                                                                                                                                                                            |  |     |                                           |   |  |                            |  |  |                                      |  |  |                |  |           |  |          |                 |                 |           |                |  |      |  |          |  |          |  |    |  |    |  |    |  |    |  |    |  |    |  |    |  |    |  |    |  |
|                                                                                                                                                                                                                                                                                                                                                            |  |     |                                           |   |  |                            |  |  |                                      |  |  |                |  |           |  |          |                 |                 |           |                |  |      |  |          |  |          |  |    |  |    |  |    |  |    |  |    |  |    |  |    |  |    |  |    |  |
|                                                                                                                                                                                                                                                                                                                                                            |  |     |                                           |   |  |                            |  |  |                                      |  |  |                |  |           |  |          |                 |                 |           |                |  |      |  |          |  |          |  |    |  |    |  |    |  |    |  |    |  |    |  |    |  |    |  |    |  |
|                                                                                                                                                                                                                                                                                                                                                            |  |     |                                           |   |  |                            |  |  |                                      |  |  |                |  |           |  |          |                 |                 |           |                |  |      |  |          |  |          |  |    |  |    |  |    |  |    |  |    |  |    |  |    |  |    |  |    |  |
|                                                                                                                                                                                                                                                                                                                                                            |  |     |                                           |   |  |                            |  |  |                                      |  |  |                |  |           |  |          |                 |                 |           |                |  |      |  |          |  |          |  |    |  |    |  |    |  |    |  |    |  |    |  |    |  |    |  |    |  |
|                                                                                                                                                                                                                                                                                                                                                            |  |     |                                           |   |  |                            |  |  |                                      |  |  |                |  |           |  |          |                 |                 |           |                |  |      |  |          |  |          |  |    |  |    |  |    |  |    |  |    |  |    |  |    |  |    |  |    |  |
|                                                                                                                                                                                                                                                                                                                                                            |  |     |                                           |   |  |                            |  |  |                                      |  |  |                |  |           |  |          |                 |                 |           |                |  |      |  |          |  |          |  |    |  |    |  |    |  |    |  |    |  |    |  |    |  |    |  |    |  |
|                                                                                                                                                                                                                                                                                                                                                            |  |     |                                           |   |  |                            |  |  |                                      |  |  |                |  |           |  |          |                 |                 |           |                |  |      |  |          |  |          |  |    |  |    |  |    |  |    |  |    |  |    |  |    |  |    |  |    |  |
|                                                                                                                                                                                                                                                                                                                                                            |  |     |                                           |   |  |                            |  |  |                                      |  |  |                |  |           |  |          |                 |                 |           |                |  |      |  |          |  |          |  |    |  |    |  |    |  |    |  |    |  |    |  |    |  |    |  |    |  |
|                                                                                                                                                                                                                                                                                                                                                            |  |     |                                           |   |  |                            |  |  |                                      |  |  |                |  |           |  |          |                 |                 |           |                |  |      |  |          |  |          |  |    |  |    |  |    |  |    |  |    |  |    |  |    |  |    |  |    |  |
|                                                                                                                                                                                                                                                                                                                                                            |  |     |                                           |   |  |                            |  |  |                                      |  |  |                |  |           |  |          |                 |                 |           |                |  |      |  |          |  |          |  |    |  |    |  |    |  |    |  |    |  |    |  |    |  |    |  |    |  |
|                                                                                                                                                                                                                                                                                                                                                            |  |     |                                           |   |  |                            |  |  |                                      |  |  |                |  |           |  |          |                 |                 |           |                |  |      |  |          |  |          |  |    |  |    |  |    |  |    |  |    |  |    |  |    |  |    |  |    |  |
|                                                                                                                                                                                                                                                                                                                                                            |  |     |                                           |   |  |                            |  |  |                                      |  |  |                |  |           |  |          |                 |                 |           |                |  |      |  |          |  |          |  |    |  |    |  |    |  |    |  |    |  |    |  |    |  |    |  |    |  |
|                                                                                                                                                                                                                                                                                                                                                            |  |     |                                           |   |  |                            |  |  |                                      |  |  |                |  |           |  |          |                 |                 |           |                |  |      |  |          |  |          |  |    |  |    |  |    |  |    |  |    |  |    |  |    |  |    |  |    |  |
|                                                                                                                                                                                                                                                                                                                                                            |  |     |                                           |   |  |                            |  |  |                                      |  |  |                |  |           |  |          |                 |                 |           |                |  |      |  |          |  |          |  |    |  |    |  |    |  |    |  |    |  |    |  |    |  |    |  |    |  |
|                                                                                                                                                                                                                                                                                                                                                            |  |     |                                           |   |  |                            |  |  |                                      |  |  |                |  |           |  |          |                 |                 |           |                |  |      |  |          |  |          |  |    |  |    |  |    |  |    |  |    |  |    |  |    |  |    |  |    |  |
|                                                                                                                                                                                                                                                                                                                                                            |  |     |                                           |   |  |                            |  |  |                                      |  |  |                |  |           |  |          |                 |                 |           |                |  |      |  |          |  |          |  |    |  |    |  |    |  |    |  |    |  |    |  |    |  |    |  |    |  |
|                                                                                                                                                                                                                                                                                                                                                            |  |     |                                           |   |  |                            |  |  |                                      |  |  |                |  |           |  |          |                 |                 |           |                |  |      |  |          |  |          |  |    |  |    |  |    |  |    |  |    |  |    |  |    |  |    |  |    |  |
|                                                                                                                                                                                                                                                                                                                                                            |  |     |                                           |   |  |                            |  |  |                                      |  |  |                |  |           |  |          |                 |                 |           |                |  |      |  |          |  |          |  |    |  |    |  |    |  |    |  |    |  |    |  |    |  |    |  |    |  |
|                                                                                                                                                                                                                                                                                                                                                            |  |     |                                           |   |  |                            |  |  |                                      |  |  |                |  |           |  |          |                 |                 |           |                |  |      |  |          |  |          |  |    |  |    |  |    |  |    |  |    |  |    |  |    |  |    |  |    |  |
|                                                                                                                                                                                                                                                                                                                                                            |  |     |                                           |   |  |                            |  |  |                                      |  |  |                |  |           |  |          |                 |                 |           |                |  |      |  |          |  |          |  |    |  |    |  |    |  |    |  |    |  |    |  |    |  |    |  |    |  |
|                                                                                                                                                                                                                                                                                                                                                            |  |     |                                           |   |  |                            |  |  |                                      |  |  |                |  |           |  |          |                 |                 |           |                |  |      |  |          |  |          |  |    |  |    |  |    |  |    |  |    |  |    |  |    |  |    |  |    |  |
|                                                                                                                                                                                                                                                                                                                                                            |  |     |                                           |   |  |                            |  |  |                                      |  |  |                |  |           |  |          |                 |                 |           |                |  |      |  |          |  |          |  |    |  |    |  |    |  |    |  |    |  |    |  |    |  |    |  |    |  |
|                                                                                                                                                                                                                                                                                                                                                            |  |     |                                           |   |  |                            |  |  |                                      |  |  |                |  |           |  |          |                 |                 |           |                |  |      |  |          |  |          |  |    |  |    |  |    |  |    |  |    |  |    |  |    |  |    |  |    |  |
|                                                                                                                                                                                                                                                                                                                                                            |  |     |                                           |   |  |                            |  |  |                                      |  |  |                |  |           |  |          |                 |                 |           |                |  |      |  |          |  |          |  |    |  |    |  |    |  |    |  |    |  |    |  |    |  |    |  |    |  |
|                                                                                                                                                                                                                                                                                                                                                            |  |     |                                           |   |  |                            |  |  |                                      |  |  |                |  |           |  |          |                 |                 |           |                |  |      |  |          |  |          |  |    |  |    |  |    |  |    |  |    |  |    |  |    |  |    |  |    |  |
|                                                                                                                                                                                                                                                                                                                                                            |  |     |                                           |   |  |                            |  |  |                                      |  |  |                |  |           |  |          |                 |                 |           |                |  |      |  |          |  |          |  |    |  |    |  |    |  |    |  |    |  |    |  |    |  |    |  |    |  |
|                                                                                                                                                                                                                                                                                                                                                            |  |     |                                           |   |  |                            |  |  |                                      |  |  |                |  |           |  |          |                 |                 |           |                |  |      |  |          |  |          |  |    |  |    |  |    |  |    |  |    |  |    |  |    |  |    |  |    |  |
|                                                                                                                                                                                                                                                                                                                                                            |  |     |                                           |   |  |                            |  |  |                                      |  |  |                |  |           |  |          |                 |                 |           |                |  |      |  |          |  |          |  |    |  |    |  |    |  |    |  |    |  |    |  |    |  |    |  |    |  |
|                                                                                                                                                                                                                                                                                                                                                            |  |     |                                           |   |  |                            |  |  |                                      |  |  |                |  |           |  |          |                 |                 |           |                |  |      |  |          |  |          |  |    |  |    |  |    |  |    |  |    |  |    |  |    |  |    |  |    |  |
|                                                                                                                                                                                                                                                                                                                                                            |  |     |                                           |   |  |                            |  |  |                                      |  |  |                |  |           |  |          |                 |                 |           |                |  |      |  |          |  |          |  |    |  |    |  |    |  |    |  |    |  |    |  |    |  |    |  |    |  |
|                                                                                                                                                                                                                                                                                                                                                            |  |     |                                           |   |  |                            |  |  |                                      |  |  |                |  |           |  |          |                 |                 |           |                |  |      |  |          |  |          |  |    |  |    |  |    |  |    |  |    |  |    |  |    |  |    |  |    |  |
|                                                                                                                                                                                                                                                                                                                                                            |  |     |                                           |   |  |                            |  |  |                                      |  |  |                |  |           |  |          |                 |                 |           |                |  |      |  |          |  |          |  |    |  |    |  |    |  |    |  |    |  |    |  |    |  |    |  |    |  |
|                                                                                                                                                                                                                                                                                                                                                            |  |     |                                           |   |  |                            |  |  |                                      |  |  |                |  |           |  |          |                 |                 |           |                |  |      |  |          |  |          |  |    |  |    |  |    |  |    |  |    |  |    |  |    |  |    |  |    |  |
|                                                                                                                                                                                                                                                                                                                                                            |  |     |                                           |   |  |                            |  |  |                                      |  |  |                |  |           |  |          |                 |                 |           |                |  |      |  |          |  |          |  |    |  |    |  |    |  |    |  |    |  |    |  |    |  |    |  |    |  |
|                                                                                                                                                                                                                                                                                                                                                            |  |     |                                           |   |  |                            |  |  |                                      |  |  |                |  |           |  |          |                 |                 |           |                |  |      |  |          |  |          |  |    |  |    |  |    |  |    |  |    |  |    |  |    |  |    |  |    |  |
|                                                                                                                                                                                                                                                                                                                                                            |  |     |                                           |   |  |                            |  |  |                                      |  |  |                |  |           |  |          |                 |                 |           |                |  |      |  |          |  |          |  |    |  |    |  |    |  |    |  |    |  |    |  |    |  |    |  |    |  |
|                                                                                                                                                                                                                                                                                                                                                            |  |     |                                           |   |  |                            |  |  |                                      |  |  |                |  |           |  |          |                 |                 |           |                |  |      |  |          |  |          |  |    |  |    |  |    |  |    |  |    |  |    |  |    |  |    |  |    |  |
|                                                                                                                                                                                                                                                                                                                                                            |  |     |                                           |   |  |                            |  |  |                                      |  |  |                |  |           |  |          |                 |                 |           |                |  |      |  |          |  |          |  |    |  |    |  |    |  |    |  |    |  |    |  |    |  |    |  |    |  |
|                                                                                                                                                                                                                                                                                                                                                            |  |     |                                           |   |  |                            |  |  |                                      |  |  |                |  |           |  |          |                 |                 |           |                |  |      |  |          |  |          |  |    |  |    |  |    |  |    |  |    |  |    |  |    |  |    |  |    |  |
|                                                                                                                                                                                                                                                                                                                                                            |  |     |                                           |   |  |                            |  |  |                                      |  |  |                |  |           |  |          |                 |                 |           |                |  |      |  |          |  |          |  |    |  |    |  |    |  |    |  |    |  |    |  |    |  |    |  |    |  |
|                                                                                                                                                                                                                                                                                                                                                            |  |     |                                           |   |  |                            |  |  |                                      |  |  |                |  |           |  |          |                 |                 |           |                |  |      |  |          |  |          |  |    |  |    |  |    |  |    |  |    |  |    |  |    |  |    |  |    |  |
|                                                                                                                                                                                                                                                                                                                                                            |  |     |                                           |   |  |                            |  |  |                                      |  |  |                |  |           |  |          |                 |                 |           |                |  |      |  |          |  |          |  |    |  |    |  |    |  |    |  |    |  |    |  |    |  |    |  |    |  |
|                                                                                                                                                                                                                                                                                                                                                            |  |     |                                           |   |  |                            |  |  |                                      |  |  |                |  |           |  |          |                 |                 |           |                |  |      |  |          |  |          |  |    |  |    |  |    |  |    |  |    |  |    |  |    |  |    |  |    |  |
|                                                                                                                                                                                                                                                                                                                                                            |  |     |                                           |   |  |                            |  |  |                                      |  |  |                |  |           |  |          |                 |                 |           |                |  |      |  |          |  |          |  |    |  |    |  |    |  |    |  |    |  |    |  |    |  |    |  |    |  |
|                                                                                                                                                                                                                                                                                                                                                            |  |     |                                           |   |  |                            |  |  |                                      |  |  |                |  |           |  |          |                 |                 |           |                |  |      |  |          |  |          |  |    |  |    |  |    |  |    |  |    |  |    |  |    |  |    |  |    |  |
|                                                                                                                                                                                                                                                                                                                                                            |  |     |                                           |   |  |                            |  |  |                                      |  |  |                |  |           |  |          |                 |                 |           |                |  |      |  |          |  |          |  |    |  |    |  |    |  |    |  |    |  |    |  |    |  |    |  |    |  |
|                                                                                                                                                                                                                                                                                                                                                            |  |     |                                           |   |  |                            |  |  |                                      |  |  |                |  |           |  |          |                 |                 |           |                |  |      |  |          |  |          |  |    |  |    |  |    |  |    |  |    |  |    |  |    |  |    |  |    |  |
|                                                                                                                                                                                                                                                                                                                                                            |  |     |                                           |   |  |                            |  |  |                                      |  |  |                |  |           |  |          |                 |                 |           |                |  |      |  |          |  |          |  |    |  |    |  |    |  |    |  |    |  |    |  |    |  |    |  |    |  |
|                                                                                                                                                                                                                                                                                                                                                            |  |     |                                           |   |  |                            |  |  |                                      |  |  |                |  |           |  |          |                 |                 |           |                |  |      |  |          |  |          |  |    |  |    |  |    |  |    |  |    |  |    |  |    |  |    |  |    |  |
|                                                                                                                                                                                                                                                                                                                                                            |  |     |                                           |   |  |                            |  |  |                                      |  |  |                |  |           |  |          |                 |                 |           |                |  |      |  |          |  |          |  |    |  |    |  |    |  |    |  |    |  |    |  |    |  |    |  |    |  |
|                                                                                                                                                                                                                                                                                                                                                            |  |     |                                           |   |  |                            |  |  |                                      |  |  |                |  |           |  |          |                 |                 |           |                |  |      |  |          |  |          |  |    |  |    |  |    |  |    |  |    |  |    |  |    |  |    |  |    |  |
|                                                                                                                                                                                                                                                                                                                                                            |  |     |                                           |   |  |                            |  |  |                                      |  |  |                |  |           |  |          |                 |                 |           |                |  |      |  |          |  |          |  |    |  |    |  |    |  |    |  |    |  |    |  |    |  |    |  |    |  |
|                                                                                                                                                                                                                                                                                                                                                            |  |     |                                           |   |  |                            |  |  |                                      |  |  |                |  |           |  |          |                 |                 |           |                |  |      |  |          |  |          |  |    |  |    |  |    |  |    |  |    |  |    |  |    |  |    |  |    |  |
|                                                                                                                                                                                                                                                                                                                                                            |  |     |                                           |   |  |                            |  |  |                                      |  |  |                |  |           |  |          |                 |                 |           |                |  |      |  |          |  |          |  |    |  |    |  |    |  |    |  |    |  |    |  |    |  |    |  |    |  |
|                                                                                                                                                                                                                                                                                                                                                            |  |     |                                           |   |  |                            |  |  |                                      |  |  |                |  |           |  |          |                 |                 |           |                |  |      |  |          |  |          |  |    |  |    |  |    |  |    |  |    |  |    |  |    |  |    |  |    |  |
|                                                                                                                                                                                                                                                                                                                                                            |  |     |                                           |   |  |                            |  |  |                                      |  |  |                |  |           |  |          |                 |                 |           |                |  |      |  |          |  |          |  |    |  |    |  |    |  |    |  |    |  |    |  |    |  |    |  |    |  |
|                                                                                                                                                                                                                                                                                                                                                            |  |     |                                           |   |  |                            |  |  |                                      |  |  |                |  |           |  |          |                 |                 |           |                |  |      |  |          |  |          |  |    |  |    |  |    |  |    |  |    |  |    |  |    |  |    |  |    |  |
|                                                                                                                                                                                                                                                                                                                                                            |  |     |                                           |   |  |                            |  |  |                                      |  |  |                |  |           |  |          |                 |                 |           |                |  |      |  |          |  |          |  |    |  |    |  |    |  |    |  |    |  |    |  |    |  |    |  |    |  |
|                                                                                                                                                                                                                                                                                                                                                            |  |     |                                           |   |  |                            |  |  |                                      |  |  |                |  |           |  |          |                 |                 |           |                |  |      |  |          |  |          |  |    |  |    |  |    |  |    |  |    |  |    |  |    |  |    |  |    |  |
|                                                                                                                                                                                                                                                                                                                                                            |  |     |                                           |   |  |                            |  |  |                                      |  |  |                |  |           |  |          |                 |                 |           |                |  |      |  |          |  |          |  |    |  |    |  |    |  |    |  |    |  |    |  |    |  |    |  |    |  |
|                                                                                                                                                                                                                                                                                                                                                            |  |     |                                           |   |  |                            |  |  |                                      |  |  |                |  |           |  |          |                 |                 |           |                |  |      |  |          |  |          |  |    |  |    |  |    |  |    |  |    |  |    |  |    |  |    |  |    |  |

PLATE 1

NOTES: SEE ABOVE

ABANDONMENT METHODS. MATERIALS. QUANTITIES: SOIL CUTTINGS MIXED WITH BENTONITE





|                                                                                                                                                        |  |                                           |  |                            |  |                                 |  |                |  |          |  |      |  |               |  |           |  |                 |  |           |  |    |  |    |  |   |  |          |  |          |  |  |  |
|--------------------------------------------------------------------------------------------------------------------------------------------------------|--|-------------------------------------------|--|----------------------------|--|---------------------------------|--|----------------|--|----------|--|------|--|---------------|--|-----------|--|-----------------|--|-----------|--|----|--|----|--|---|--|----------|--|----------|--|--|--|
| PROJECT: LAK-90-8.77 ITS TOWERS                                                                                                                        |  | DRILLING FIRM / OPERATOR: OTB / D. HEPNER |  | DRILL RIG: OTB ATV B-57    |  | STATION / OFFSET: 516+48, 3' LT |  | EXPLORATION ID |  |          |  |      |  |               |  |           |  |                 |  |           |  |    |  |    |  |   |  |          |  |          |  |  |  |
| TYPE: ITS TOWER                                                                                                                                        |  | SAMPLING FIRM / LOGGER: S&ME / S. SMITH   |  | HAMMER: SAFETY HAMMER      |  | ALIGNMENT: IR 90 CL             |  | B-003-0-25     |  |          |  |      |  |               |  |           |  |                 |  |           |  |    |  |    |  |   |  |          |  |          |  |  |  |
| PID: 122092    BR ID: N/A                                                                                                                              |  | DRILLING METHOD: 3-1/4" HSA               |  | CALIBRATION DATE: 12/30/24 |  | ELEVATION: 849.8 (MSL)          |  | EOB: 14.0 ft.  |  |          |  |      |  |               |  |           |  |                 |  |           |  |    |  |    |  |   |  |          |  |          |  |  |  |
| START: 7/23/25    END: 7/23/25                                                                                                                         |  | SAMPLING METHOD: SPT                      |  | ENERGY RATIO (%): 90*      |  | COORD: 41.648328 N, 81.300881 W |  | PAGE 1 OF 1    |  |          |  |      |  |               |  |           |  |                 |  |           |  |    |  |    |  |   |  |          |  |          |  |  |  |
| <b>MATERIAL DESCRIPTION AND NOTES</b>                                                                                                                  |  | ELEV.                                     |  | SPT/ RQD                   |  | REC (%)                         |  | SAMPLE ID      |  | HP (tsf) |  | GR   |  | GRADATION (%) |  | ATTERBERG |  | ODOT CLASS (gi) |  | BACK FILL |  |    |  |    |  |   |  |          |  |          |  |  |  |
| ROOTMAT - 4 INCHES<br><br>FILL: Very stiff (est.) brown and gray SILT AND CLAY, little fine to coarse sand, little fine gravel (shale fragments), dry. |  | 849.8                                     |  | 1                          |  |                                 |  |                |  |          |  |      |  |               |  |           |  |                 |  |           |  |    |  |    |  |   |  |          |  |          |  |  |  |
|                                                                                                                                                        |  | 849.5                                     |  | 2                          |  | 4                               |  | 5              |  | 7        |  | 16   |  | 13            |  | 6         |  | 32              |  | 33        |  | 21 |  | 12 |  | 7 |  | A-6a (7) |  |          |  |  |  |
| SHALE, gray, highly to severely weathered, very weak, few limestone fragments and pockets of silty clay.                                               |  | 846.8                                     |  | 3                          |  | TR                              |  |                |  |          |  |      |  |               |  |           |  |                 |  |           |  |    |  |    |  |   |  |          |  |          |  |  |  |
|                                                                                                                                                        |  |                                           |  | 4                          |  | 57                              |  | -              |  | 100      |  | SS-2 |  | -             |  | -         |  | -               |  | -         |  | -  |  | -  |  | 4 |  | Rock (V) |  |          |  |  |  |
|                                                                                                                                                        |  | 842.8                                     |  | 6                          |  | 25                              |  | 50/4"          |  | -        |  | 100  |  | SS-3          |  | -         |  | -               |  | -         |  | -  |  | -  |  | - |  | 5        |  | Rock (V) |  |  |  |
|                                                                                                                                                        |  |                                           |  | 7                          |  |                                 |  |                |  |          |  |      |  |               |  |           |  |                 |  |           |  |    |  |    |  |   |  |          |  |          |  |  |  |
|                                                                                                                                                        |  |                                           |  | 8                          |  |                                 |  |                |  |          |  |      |  |               |  |           |  |                 |  |           |  |    |  |    |  |   |  |          |  |          |  |  |  |
|                                                                                                                                                        |  |                                           |  | 9                          |  |                                 |  | 50/4"          |  | -        |  | 100  |  | SS-4          |  | -         |  | -               |  | -         |  | -  |  | -  |  | - |  | 5        |  | Rock (V) |  |  |  |
|                                                                                                                                                        |  |                                           |  | 10                         |  |                                 |  |                |  |          |  |      |  |               |  |           |  |                 |  |           |  |    |  |    |  |   |  |          |  |          |  |  |  |
|                                                                                                                                                        |  |                                           |  | 11                         |  |                                 |  | 50             |  | -        |  | 83   |  | SS-5          |  | -         |  | -               |  | -         |  | -  |  | -  |  | - |  |          |  | Rock (V) |  |  |  |
|                                                                                                                                                        |  |                                           |  | 12                         |  |                                 |  |                |  |          |  |      |  |               |  |           |  |                 |  |           |  |    |  |    |  |   |  |          |  |          |  |  |  |
|                                                                                                                                                        |  |                                           |  | 13                         |  |                                 |  |                |  |          |  |      |  |               |  |           |  |                 |  |           |  |    |  |    |  |   |  |          |  |          |  |  |  |
|                                                                                                                                                        |  | 835.8                                     |  | 14                         |  | EOB                             |  | 50             |  | -        |  | 100  |  | SS-6          |  | -         |  | -               |  | -         |  | -  |  | -  |  | - |  | -        |  | Rock (V) |  |  |  |

NOTES:  
- No water was encountered during drilling.  
- Borehole caved at 11.4' after removing augers and was dry.

PLATE 1

NOTES: SEE ABOVE  
ABANDONMENT METHODS, MATERIALS, QUANTITIES: SOIL CUTTINGS MIXED WITH BENTONITE

