

STATE OF OHIO DEPARTMENT OF TRANSPORTATION

RIC-314-4.91 TSG

CITY OF ONTARIO SPRINGFIELD TOWNSHIP RICHLAND COUNTY

INDEX OF SHEETS:

MAINTENANCE OF TRAFFIC NOTES

SIGNAL PLAN - SR 314 & W 4TH STREET

SIGNAL DETAILS - SR 314 & W 4TH STREET

8

9-11

12

TITLE SHEET GENERAL NOTES

GENERAL SUMMARY SIGNAL SUBSUMMARY

SURVEY CONTROL DATA

LOCATION MAP

LATITUDE: N40°46'45" LONGITUDE: W82°39'08"



PORTION TO BE IMPROVED
INTERSTATE HIGHWAY
FEDERAL ROUTES
STATE ROUTES
COUNTY & TOWNSHIP ROADS
OTHER ROADS

DESIGN DESIGNATION

CURRENT ADT (2023)	3,100
DESIGN YEAR ADT (2043)	3,500
DESIGN HOURLY VOLUME (2043)	400
DIRECTIONAL DISTRIBUTION	0.5
TRUCKS (24 HOUR B&C)	0.08
DESIGN SPEED	50
LEGAL SPEED	50
DESIGN FUNCTIONAL CLASSIFICATION:	
MAJOR COLLECTOR	
NHS PROJECT	NO

DESIGN EXCEPTIONS

NONE

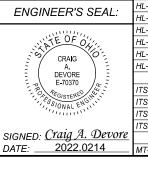
ADA DESIGN WAIVERS

NONE



PLANS PREPARED BY:





				SPECIFICATIONS
	DM-4.3	1/15/16	MY 105/10 1/17/20	800 1/21/22
	DM-4.4	1/15/16	TC-12,31 1/21/22	809 1/21/22
	HL-10.11	1/15/21	TO-84.74 74/6/24	813 10/19/18
	HL-30.11	1/15/21	TC-81.22 7/16/21	816 10/18/19
	HL-30.21	4/17/20	TC-82.10 7/19/19	825 1/17/20
	HL-30.22	1/15/21	TC-83.20 7/21/17	832 10/19/18
	HL-40.20	7/17/20	TC-85.20 7/20/18	907 10/18/19
	HL-50.11	1/16/15		909 1/21/22
	HL-60.31	1/17/20		913 4/16/21
				916 10/16/20
	ITS-13.10	1/15/21		
	ITS-14.10	1/15/21		
	ITS-15.10	1/15/21		
	ITS-60.10	1/15/21		
<u>re</u>				
_	MT-97.10	4/19/19		

STANDARD CONSTRUCTION DRAWINGS

EARTH DISTURBED AREAS

FEDERAL PROJECT NUMBER

RAILROAD INVOLVEMENT

PROJECT DESCRIPTION

E200653

NONE

PROJECT EARTH DISTURBED AREA: N/A ACRES

(MAINTENANCE PROJECT)

ESTIMATED CONTRACTOR EARTH DISTURBED AREA: N/A ACRES

(MAINTENANCE PROJECT)

NOTICE OF INTENT EARTH DISTURBED AREA: N/A ACRES

(MAINTENANCE PROJECT)

SIGNAL REPLACEMENT AT SR 314 & W. 4TH STREET.

THIS PROJECT WILL ALSO INSTALL VIDEO DETECTION.

2019 SPECIFICATIONS

THE STANDARD SPECIFICATIONS OF THE STATE OF OHIO, DEPARTMENT OF TRANSPORTATION, INCLUDING SUPPLEMENTAL SPECIFICATIONS LISTED IN THE PLANS AND CHANGES LISTED IN THE PROPOSAL SHALL GOVERN THIS IMPROVEMENT.

I HEREBY APPROVE THESE PLANS AND DECLARE THAT THE MAKING OF THIS IMPROVEMENT WILL NOT REQUIRE THE CLOSING TO TRAFFIC OF THE HIGHWAY AND THAT PROVISIONS FOR THE MAINTENANCE AND SAFETY OF TRAFFIC WILL BE AS SET FORTH ON THE PLANS AND ESTIMATES.

APPROVED APPROVED DATE 02 15 22 DISTRICT DEPUTY DIRECTOR

APPROVED	
DATE	DIRECTOR, DEPARTMENT OF
	TRANSPORTATION

DESIGN AGEN



MAE
REVIEWER
CAD 02/09/22
PROJECT ID

108047
SHEET TOTAL
P.1 12

SUPPLEMENTAL

LS -314-491

ITEM 633 - PREEMPT PHASE SELECTOR

THIS ITEM SHALL CONSIST OF FURNISHING AND INSTALLING PREEMPT PHASE SELECTORS INCLUDING WIRING INTERFACE PANELS IN THE LOCAL CONTROLLER CABINET AND ALL OTHER ACCESSORIES THAT ARE NECESSARY TO MAKE THE PREEMPT PHASE SELECTORS. COMPLETELY FUNCTIONAL AND OPERATIONAL AS SHOWN IN THE PLANS. THIS ITEM SHALL INCLUDE THE EXTRA CABINET SPACE NECESSARY TO BE LOCATED IN THE LOCAL CONTROLLER CABINETS WHERE INDICATED IN THE PLANS.

THE PHASE SELECTORS SHALL CONSIST OF A MODULE OR MODULES THAT WILL PROVIDE THE NECESSARY INPUTS TO THE CONTROLLER. PHASE SELECTORS SHALL BE SUPPLIED WITH SUFFICIENT QUANTITIES OF CHANNELS TO PROVIDE PREEMPTION FOR ALL APPROACHES TO THE INTERSECTION SEPARATELY. POWER SHALL BE OBTAINED FROM THE PHASE SELECTOR OR PHASE SELECTOR POWER SUPPLY AND NOT FROM THE LOCAL CONTROLLER TIMER

THE PHASE SELECTORS SHALL HAVE FRONT PANEL INDICATORS FOR ACTIVE PREEMPT CHANNEL STATUS. IT SHALL HAVE TEST SWITCHES TO ACTIVATE ALL PREEMPT CHANNELS.

FURNISH PREEMPT PHASE SELECTORS WITH 60-MONTH WARRANTIES OR FOR THE MANUFACTURER'S STANDARD WARRANTY WHICHEVER IS GREATER. ENSURE THAT THE WARRANTY PERIOD BEGINS ON THE DATE OF SHIPMENT TO THE PROJECT, ENSURE THAT EACH UNIT HAS A PERMANENT LABEL OR STAMP INDICATING THE DATE OF SHIPMENT

PAYMENT FOR ITEM 633 "PREEMPT PHASE SELECTOR" SHALL BE MADE AT THE CONTRACT UNIT PRICE FOR EACH PHASE SELECTOR IN PLACE, COMPLETELY INSTALLED IN THE LOCAL CONTROLLER SHOWN IN THE PLANS, WIRED, TESTED AND ACCEPTED.

ITEM 633 - PREEMPT CONFIRMATION LIGHT, LED

THIS ITEM SHALL CONSIST OF FURNISHING AND INSTALLING PREEMPT CONFIRMATION LIGHTS INCLUDING HARDWARE AND ALL OTHER ACCESSORIES THAT ARE NECESSARY TO MAKE THE PREEMPT CONFIRMATION LIGHT COMPLETELY FUNCTIONAL AND OPERATIONAL AS SHOWN IN THE PLANS

A CONFIRMATION LIGHT SHALL BE SUPPLIED FOR EACH INTERSECTION TO INDICATE THAT THE EMERGENCY VEHICLE HAS ACHIEVED CONTROL OF THE TRAFFIC SIGNAL.

THE CONFIRMATION LIGHT SHALL BE A VAPOR TIGHT ALUMINUM LIGHTING FIXTURE. IT SHALL BE SUPPLIED WITH A CLEAR GLOBE. LED LAMP AND MOUNTING HARDWARE TO ATTACH TO THE TRAFFIC SIGNAL MAST ARM. THE CONFIRMATION LIGHT SHALL BE POWERED BY A LOAD SWITCH IN THE TRAFFIC SIGNAL CONTROLLER, SIGNAL CABLE CONFORMING TO 732.19 SHALL BE USED FOR CONFIRMATION LIGHTS. A MINIMUM OF 4-CONDUCTOR CABLE SHALL BE USED WITH THE GREEN WIRE SERVING AS THE SAFETY GROUND CONDUCTOR. PAYMENT FOR ITEM 633 "PREEMPT CONFIRMATION LIGHT, LED" SHALL BE MADE AT THE CONTRACT UNIT PRICE FOR EACH LIGHT IN PLACE, COMPLETELY INSTALLED IN THE LOCATION SHOWN IN THE PLANS, WIRED, TESTED AND ACCEPTED.

ITEM 633 - COMMUNICATIONS, AS PER PLAN

THE ETHERNET RADIO UNIT SHALL BE FURNISHED AND INSTALLED PER SS 809.

THE ETHERNET RADIO UNIT SHALL BE A GE TRANSNET 900.

PAYMENT WILL BE MADE AT THE CONTRACT UNIT PRICE FOR EACH COMMUNICATIONS, APP, IN PLACE, ALL CONNECTIONS MADE AND WIRING COMPLETED, TESTED AND ACCEPTED.

ITEM 809 - ATC CONTROLLER, AS PER PLAN

THE CONTROLLER UNIT SHALL BE FURNISHED AND INSTALLED PER SS 809.

THE CONTROLLER SHALL BE A SIEMENS M60 ATC AND COMPATIBLE WITH THE CABINET TYPE BEING INSTALLED

PAYMENT WILL BE MADE AT THE CONTRACT UNIT PRICE FOR EACH ATC CONTROLLER. AS PER PLAN, IN PLACE, ALL CONNECTIONS MADE AND WIRING COMPLETED, TESTED AND ACCEPTED.

ITEM 625 - SPECIAL, MAINTAIN EXISTING LIGHTING

EXISTING ROADWAYS WHICH ARE TO REMAIN OPEN TO TRAFFIC DURING CONSTRUCTION OF THIS PROJECT AND WHICH ARE LIGHTED SHALL HAVE THE LIGHTING MAINTAINED AS DESCRIBED HEREIN

BEFORE ANY WORK IS STARTED IN THE IMMEDIATE VICINITY OF THE EXISTING LIGHTING CIRCUITS, REPRESENTATIVES OF ODOT, THE MAINTAINING AGENCY AND THE CONTRACTOR SHALL MAKE A VISUAL INSPECTION OF THE EXISTING ROADWAY LIGHTING CIRCUITS TO BE MAINTAINED. DURING THIS INSPECTION, A WRITTEN RECORD OF THE CONDITION OF EXISTING LIGHTING SHALL BE MADE BY ODOT'S REPRESENTATIVE. THIS WRITTEN REPORT SHALL NOTE INDIVIDUAL LUMINAIRES WHICH ARE NOT IN WORKING ORDER, INDIVIDUAL POLES WHICH ARE NOT STANDING, AND INDIVIDUAL CIRCUITS WHICH ARE NOT IN WORKING ORDER. THE COMPLETED REPORT SHALL BE SIGNED BY THE REPRESENTATIVES OF ODOT, THE MAINTAINING AGENCY AND THE CONTRACTOR.

IF, AS A RESULT OF THIS INSPECTION, IT IS DETERMINED THAT THE CONDITION OF THE EXISTING SYSTEM IS BELOW THAT REQUIRED FOR THE SAFETY OF THE TRAVELING PUBLIC. THEN THE MAINTAINING AGENCY SHALL MAKE THE REPAIRS NECESSARY TO RETURN THE SYSTEM TO AN ACCEPTABLE CONDITION, FOLLOWING THESE REPAIRS, THE SYSTEM SHALL AGAIN BE INSPECTED AND A REPORT SHALL BE MADE AND SIGNED AS OUTLINED HEREIN.

WHEN THE EXISTING SYSTEM IS IN AN ACCEPTABLE CONDITION, IT SHALL BE TURNED OVER TO THE CONTRACTOR WHO SHALL THEN BE REQUIRED TO MAINTAIN THE EXISTING LIGHTING TO THE CONDITION OUTLINED IN THIS REPORT WITH THE EXCEPTION OF KNOCKDOWNS DUE TO TRAFFIC ACCIDENTS

REPLACEMENT OF KNOCKED DOWNED UNITS SHALL BE DONE ONLY WHEN THE ENGINEER HAS DETERMINED THAT THE REPLACEMENT OF THE KNOCKED DOWN UNIT IS NECESSARY AND SHALL BE PAID SEPARATELY ON A UNIT BASIS.

BETTERMENTS SHALL BE COVERED IN ITEMS OF WORK PERTAINING TO THE CONSTRUCTION OF PERMANENT IMPROVEMENT.

WHEN THE SEQUENCE OF CONSTRUCTION ACTIVITIES REQUIRES, OR SHOULD THE CONTRACTOR DESIRE, THE REMOVAL OF THE EXISTING LIGHTING BEFORE THE NEW LIGHTING IS OPERATIONAL. THE CONTRACTOR SHALL BE RESPONSIBLE FOR PROVIDING TEMPORARY LIGHTING OF THIS PORTION OF THE ROADWAY.

PRIOR TO INSTALLING SUCH LIGHTING. THE CONTRACTOR SHALL PREPARE AND SUBMIT FOUR SETS OF THE TEMPORARY LIGHTING PLAN TO THE ENGINEER FOR REVIEW AND APPROVAL.

THIS PLAN SHALL SHOW LOCATIONS OF POLES, LENGTHS OF BRACKET ARMS, STYLES OF LUMINAIRES, MOUNTING HEIGHTS, WIRING METHODS AND OTHER PERTINENT INFORMATION.
THE TEMPORARY LIGHTING SHALL PROVIDE AN AVERAGE INITIAL INTENSITY OF 1.2 FOOTCANDLES WITH AN AVERAGE TO MINIMUM UNIFORMITY NOT TO EXCEED 3:1. MOUNTING HEIGHT OF TEMPORARY LUMINAIRES SHALL NOT BE LESS THAN 30 FEET, AND THE MINIMUM OVERHEAD CONDUCTOR CLEARANCE SHALL BE 20 FEET. TEMPORARY OVERHEAD CONSTRUCTION SHALL NOT BE LESS THAN GRADE "B" FOR STRENGTH REQUIREMENTS AS DEFINED BY THE NATIONAL ELECTRIC SAFETY CODE. WOOD POLES WITH OVERHEAD WIRING MAY BE USED. HOWEVER, TEMPORARY LIGHTING SHALL MEET FEDERAL AND STATE SAFETY CRITERIA. IF BREAKAWAY POLES ARE USED TO MEET THESE CRITERIA, THEN UNDERGROUND WIRING SHALL BE USED. RECONDITIONED OR USED MATERIALS MAY BE FURNISHED FOR TEMPORARY LIGHTING

ALL MATERIALS NECESSARY TO COMPLETE THE TEMPORARY LIGHTING SHALL BE FURNISHED AND INSTALLED BY THE CONTRACTOR. WHEN NO LONGER NEEDED, THE TEMPORARY LIGHTING INSTALLATION SHALL BE REMOVED AND PROPERLY DISPOSED OF BY THE CONTRACTOR.

THE MAINTAINING AGENCY WILL PAY FOR ELECTRICAL ENERGY CONSUMED BY EXISTING POWER SERVICES AND BY PROPOSED PERMANENT POWER SERVICES AFTER ACCEPTANCE OF THE LIGHTING WORK, THE CONTRACTOR WILL PAY FOR ELECTRICAL ENERGY, INSTALLATION. REMOVAL AND MAINTENANCE OF ANY TEMPORARY POWER SERVICES

THE LUMP SUM PRICE BID FOR ITEM SPECIAL "MAINTAIN EXISTING LIGHTING" SHALL INCLUDE PAYMENT FOR ALL LABOR, EQUIPMENT, MATERIALS AND INCIDENTALS NECESSARY TO MAINTAIN THE EXISTING LIGHTING AS SPECIFIED HEREIN

ITEM 632 - POWER SERVICE, AS PER PLAN

POWER SERVICE SHALL BE AS PER C&MS ITEM 632 AND SCD TC-83.10 WITH THE FOLLOWING **EXCEPTIONS:**

1.THE METER BASE MOUNTING HEIGHT SHALL BE NO MORE THAN 5 FEET HIGH TO THE CENTER OF THE METER BASE FROM THE GROUND.

2.THE CONTRACTOR SHALL SUPPLY THE NECESSARY METER BASES.

3.ALL POWER SERVICES SHALL BE METERED. THE METER SHALL HAVE A LEVER OPERATED

DISCONNECT SWITCH ENCLOSURES FURNISHED IN ACCORDANCE WITH CMS ITEM 632, POWER SERVICE, AS PER PLAN, SHALL INCLUDE A PADLOCK EQUAL TO MASTER NO. 4BKA OR WILSON BOHANNON 680, WITH LOCK BODY OF BRONZE OR BRASS AND KEYING SHALL BE TO THE STATE

THE POWER SOURCE LOCATION SHALL BE INDICATED IN THE PLANS OR AS DETERMINED IN THE FIELD BY THE ENGINEER. THE CONTRACTOR SHALL CONTACT OHIO EDISON FOR INFORMATION REGARDING THE METER BASE INSTALLATION PRIOR TO THE ORDERING POLES. THE CONTRACTOR WILL BE RESPONSIBLE FOR REQUESTING AND SCHEDULING ANY INSPECTIONS OHIO EDISON MAY REQUIRE FOR THE POWER SERVICE HOOK UP. THE CONTRACTOR SHALL BE RESPONSIBLE TO CONTACT OHIO EDISON FOR THE ELECTRICAL SERVICE CONNECTION. UNDER NO CIRCUMSTANCES SHALL THE CONTRACTOR SPLICE POWER CABLE INTO OHIO EDISON'S CIRCUITS. THE VOLTAGE SUPPLIED SHALL BE NOMINALLY 120/240V. THE PROPOSED RACK SHOULD BE CONSTRUCTED SIMILAR TO HL-40.20. THE RACK SHOULD SUPPORT THE METER BASE. SIGNAL DISCONNECT, LIGHTING DISCONNECT SWITCH, AND THE LIGHTING CONTROL CENTER AND THE PHOTOCELL. THE PHOTOCELL SHALL BE 1' - 2' ABOVE THE LCC ENCLOSURE

A 4" THICK WORKPAD SHALL BE PROVIDED UNLESS IN AN OTHERWISE PAVED AREA. IN LEVEL AREAS, THE TOP OF THE PAD SHALL BE 1" ABOVE THE GROUND LINE. IN STEEPLY SLOPED AREAS THE PAD'S LOCATION SHALL BE ADJUSTED TO PROVIDE ACCESS AND DRAINAGE. THE CONCRETE PAD SHALL EXTEND IN FRONT OF THE RACK FOR A DEPTH OF 30" AND SHALL HAVE A WIDTH OF THE DISTANCE BETWEEN THE STEEL PIPE SUPPORTS. PAYMENT FOR THE CONCRETE PAD SHALL BE INCLUDED IN POWER SERVICE ITEM.

WHEN THE PROJECT BEGINS AND THE CONTRACTOR HAS TAKEN OVER THE MAINTAINANCE OF THE EXISTING SYSTEM, THEY SHALL PROVIDE ALL REQUIRED LAYOUTS AND LOCATIONS OF THE EXISTING AND PROPOSED ELECTRICAL CIRCUITS WITHIN THE PROJECT LIMITS. THE CONTRACTOR SHALL LOCATE AND MARK THE UNDERGROUND ELECTRICAL CIRCUITS, LOOPS AND LOOP LEAD INS DURING THE DURATION OF THE PROJECT. THIS WORK SHOULD BE CONSIDERED INCIDENTAL TO POWER SERVICE, AS PER PLAN.

SALVAGE THE FOLLOWING EQUIPMENT FOR DISTRICT 3: CONTROLLER, CONFLICT MONITOR (MMU), COMMUNICATIONS EQUIPMENT INCLUDING THE MODEM, RADIO, ANTENNA, AND UPS INVERTER, CONTACT STEVE FRANKS (419-207-7184) IN ORDER TO SCHEDULE DELIVERY OF

THE CONTRACTOR IS RESPONSIBLE FOR OBTAINING ANY NECESSARY PERMITS AND THE PAYING OF ALL FEES. THE CONTRACTOR SHALL PAY ALL POWER CHARGES UNTIL THE SIGNAL IS ACCEPTED BY THE MAINTAINING AGENCY. PAYMENT WILL BE MADE AT THE UNIT BID PRICE FOR EACH C&MS ITEM 625, "POWER SERVICE, AS PER PLAN" WHICH SHALL BE FULL COMPENSATION FOR ALL LABOR, MATERIALS AND INCIDENTALS REQUIRED TO COMPLETE THIS ITEM IN A SATISFACTORY AND WORKMANI IKE MANNER

TC-12.31 BASE PLATE CONNECTION

ALL REFERENCE ITEMS THAT REFER TO THE TC-12.31 STANDARD DRAWING SHALL HAVE BASE CONNECTION FABRICATED AS PER THE "STANDARD BASE DESIGN" WHICH UTILIZES COMPLETE JOINT PENETRATION (CJP) WELDS.



MAF CAD 02/09/22

108047

P.4

		202	625	625	625	625	625	625	625	625	625	625	625	625	625	625	625	625	625	625	625	630	630	632	632	632	632	632	632	632	632	632	632	632	632 632
		202	023	023	023	023	023	023	023	023	023	023	023	023	023	023	023	023	023	023		030	030	(032	032	032	032	الالا	UJZ	UJZ	032	UJZ	۵۵۷	# # # # # # # # # # # # # # # # # # #
	LOCATION	DISCONNECT EXISTING CIRCUIT	CONDUIT, 2", 725.051	CONDUIT, 3", 725.051	CONDUIT, JACKED OR DRILLED, 3"	TRENCH	CONNECTION, FUSED PULLAPART	CONNECTION, UNFUSED PERMANENT	PULL BOX, 725.08, 18"	PULL BOX, 725.08, 24"	GROUND ROD	UNDERGROUND WARNING/MARKING TAPE	ARC FLASH CALCULATIONS AND LABEL, POWER SERVICE	BRACKET ARM, 12'	BRACKET ARM, 14'	NO. 6 AWG 2400 VOLT DISTRIBUTION CABLE	NO. 10 AWG POLE AND BRACKET CABLE	LIGHT POLE REMOVED	LIGHT POLE FOUNDATION REMOVED	LUMINAIRE REMOVED	LUMINAIRE, CONVENTIONAL, SOLID-STATE (LED), IES-II-M, 10000-12000 LUMENS	SIGN, FLAT SHEET	SIGN HANGER ASSEMBLY, MAST ARM	VEHICULAR SIGNAL HEAD, (LED), 3-SECTION, 12" LENS, 1-WAY, POLYCARBONATE (YELLOW)	VEHICULAR SIGNAL HEAD, (LED), 4-SECTION, 12" LENS, 1-WAY, POLYCARBONATE (YELLOW)	VEHICULAR SIGNAL HEAD, (LED), 5-SECTION, 12" LENS, 1-WAY, POLYCARBONATE (YELLOW)	COVERING OF VEHICULAR SIGNAL HEAD	SIGNAL CABLE, 7 CONDUCTOR, NO 14 AWG	SIGNAL SUPPORT FOUNDATION, AS PER PLAN	POWER CABLE, 3 CONDUCTOR, NO. 6 AWG	SERVICE CABLE, 3 CONDUCTOR, NO. 6 AWG	POWER SERVICE, AS PER PLAN	CONDUIT RISER, 2" DIAMETER	REMOVAL OF TRAFFIC SIGNAL INSTALLATION	COMBINATION SIGNAL SUPPORT, TYPE TC-12.31 DESIGN 10 POLE, WIT MAST ARMS TC-81.22 DESIGN 4 AND DESIGN 14 COMBINATION SIGNAL SUPPORT, TYPE TC-12.31 DESIGN 10 POLE, WIT MAST ARMS TC-81.22 DESIGN 12 AND DESIGN 13
<u> </u>	RIC SR 314 & W. 4th St	EACH	FT	FT	FT	FT	EACH	EACH	EACH	EACH	EACH	FT	EACH	EACH	EACH	FT	FT	EACH	EACH	EACH	EACH	SF	EACH	EACH	EACH	EACH	EACH	FT	EACH	FT	FT	EACH	EACH	EACH	EACH EACH
[POWER SUPPLY TO RACK		16			16					1	16												(~	8			51	145	1	1	1	
	RACK TO GROUND MOUNTED CONTROLLER RACK TO PB 3		9 36			9 36		9		1	1	9 36	1			138								(~)			21					
	CONTROLLER TO PB 3 PB 3 TO EX LIGHT POLE	1	58	55		55 58	2					55 58				204	70			1	1			(280							
<u> </u>	PB 3 TO SP-2 SP-2			11		11	2				1	11		1		63	86	1	1	1	1	4	1	2 (1	1		42 163	1						1
	PB 3 TO PB 2 PB 2 TO PB 1				117 70			3	1							127 80								(~)	254 160							
	PB 1 TO SP-1 SP-1			38		38	2				1	38			1	48	92	1	1	1	1			2	1	1		96 170	1						1
	TOTALS CARRIED TO GENERAL SUMMARY:	1	119	104	187	223	6	15	2	1	4	223	1	1	1	660	248	2	2	3	3	4	1	4 (2	2_	8	1165	2	72	145	1	1	1	1 1
TIME: 1:09:42 PM USER: meppley are Projects District 03/Richland108047_CS001.dgn	LOCATION	WOOD POLE	COMMUNICATIONS, AS PER PLAN	HOABA CABINET, TYPE TS-2, AS PER PLAN	CABINET FOUNDATION	CONTROLLER WORK PAD	UNINTERRUPTIBLE POWER SUPPLY (UPS), 1000 WATT	EMERGENCY VEHICLE PREEMPTION	PREEMPT RECEIVING UNIT	PREEMPT DETECTOR CABLE	PREEMPT PHASE SELECTOR	PREEMPT CONFIRMATION LIGHT, LED	ATC CONTROLLER, AS PER PLAN	VIDEO DETECTION SYSTEM (ADVANCE/STOPBAR)	TRAINING FOR VIDEO DETECTION SYSTEM																				
1/2022 T	RIC SR 314 & W. 4th St																																		
ATE: 5/11	POWER SUPPLY TO RACK RACK TO GROUND MOUNTED CONTROLLER	1	1	1	1	1	1	1	4		1		1	1	LUMP																				
TSG	RACK TO PB 3 CONTROLLER TO PB 3									280																									
7. 5	PB 3 TO EX LIGHT POLE PB 3 TO SP-2									42																									
RIC-314-4.91	SP-2 PB 3 TO PB 2									129 254		2																							
314 eet PAF	PB 2 TO PB 1 PB 1 TO SP-1									160 96						-																			
OFL: Sh	SP-1									137		2																							
C o M	TOTALS CARRIED TO GENERAL SUMMARY:	1	1	1	1	1	1	1	4	1098	1	4	1	1	LUMP	1																			

SIGNAL SUBSUMMARY

MAE CAD 02/09/22

108047 SHEET TOTAL P.7 12