19   20   30   41   49   57   30   40   50   50   50   50   50   50   5		_	_			SHEET	NUM.			ı			PAR		ITEM	ITEM	GRAND	UNIT	DESCRIPTION	SEE SHEET
40	9	10	12		39	40	41	86	87	99	100		01/SAF /PV		1.2	EXT	TOTAL	01121	2233.tal 1761V	NO.
200   101   101   101   102			400			0.507							4.047		054	04000	4.047	0)/		
1911			480	<del>,</del>  -															,	
10																				
191   292   193						1,011	75													
1						1,313														
1																				
381			39	<u> </u>			42						+ +				<u> </u>			
1																				
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10							34													
10																				
10   0.02						3,299							3,299	SI	PECIAL	69098200	3,299	SF	MALTENE BASED LONGITUDINAL JOINT STABILIZER	10A
10   0.02				-									+						TRAFFIC CONTROL	
17								0.32					0.32		618	43000	0.32	MILE		
22   24.7   62.6   63.103   24.7   7.6   63.103   24.7   7.6   63.103   24.7   7.6   63.103																				
136								23					23		621		23		RAISED PAVEMENT MARKER REMOVED	
																			·	
1972   12									13.6				13.6		630	04100	13.6	FT	GROUND MOUNTED SUPPORT, NO. 4 POST	
1972   12				-						4			1		620	70500	1	FACH	CION CURRORT ACCEMBLY DOLE MOUNTED	
29				-					137.2	<u> </u>							· .			
19										12										
0.97																				
0.07			0.05	5									0.05		642	00300	0.05	MILE	CENTER LINE, TYPE 1	
0.07								0.07					0.07		044	00404	0.07	NAIL E	EDOE LINE OF	
687   687   687   684   6940   687   FT   CHANNELIZING LINE S'   71   71   684   69700   241   FT   TANSVERSECIAGONAL LINE				_																
1								<b>_</b>												
8   8   8   8   644   01500   8   EACH   LANE ARROW   TRAFFIC SIGNALS																				
								241					241		644	00700	241	FT	TRANSVERSE/DIAGONAL LINE	
2   2   625   00450   2   EACH   CONNECTION, FUSED PULL APART								8					8		644	01300	8	EACH	LANE ARROW	
2   2   625   00450   2   EACH   CONNECTION, FUSED PULL APART																			TRAFFIC SIGNALS	
2   2   625   18510   2   EACH   BRACKET ARM, 30'										2			2		625	00450	2	EACH		
35   35   625   25604   35   FT   CONDUIT, 2', 725,05f1     2   2   625   25604   35   FT   CONDUIT, 2', 725,05f1     35   35   625   25604   35   FT   CONDUIT, 2', 725,05f1     36   37   37   2   2   625   28253   2   EACH   LUMINAIRE, CONVENTIONAL, SOLID STATE (LED), AS PER PLAN, 150W, 120V, TYPE II     36   37   37   625   29002   35   FT   TRENCH, 2'F DEEP     1   1   1   625   30700   1   EACH   PULL BOX, 725,08, 16''     5   5   625   32000   5   EACH   GROUND ROD     1   1   1   625   36010   35   FT   UNDERGROUND WARNINGMARKING TAPE     1   1   1   627   78000   1   EACH   ARC FLASH CALCULATIONS AND LABEL     1   1   632   65086   2   EACH   VEHICULAR SIGNAL HEAD, (LED), 3-SECTION, 12' LENS, 1-WAY, POLYCARBONATE     1   1   1   632   50506   10   EACH   COVERING OF VEHICULAR SIGNAL HEAD, (LED), 5-SECTION, 12' LENS, 1-WAY, POLYCARBONATE     1   1   632   6532   40400   445   FT   TETHER WIRE, WITH ACCESSORIES     1   1   632   64950   4   EACH   TETHER WIRE, WITH ACCESSORIES     1   1   632   64950   4   EACH   TETHER WIRE, WITH ACCESSORIES     1   1   632   64950   4   EACH   TETHER WIRE, WITH ACCESSORIES     1   1   632   64950   4   EACH   TETHER WIRE, WITH ACCESSORIES     1   1   632   64950   4   EACH   TEST HOLE PERFORMED     1   1   632   64950   4   EACH   TEST HOLE PERFORMED     1   1   632   64950   4   EACH   TEST HOLE PERFORMED     1   1   632   64950   4   EACH   TEST HOLE PERFORMED     1   1   632   64950   4   EACH   TEST HOLE PERFORMED     1   1   632   64950   4   EACH   STRAIN POLE TYPE TO SALE PLAN     1   1   632   64950   4   EACH   STRAIN POLE TYPE TO SALE PLAN     2   2   652   6536   64950   4   EACH   STRAIN POLE TYPE TO SALE PLAN     3   5   632   64950   4   EACH   TEST HOLE PERFORMED     4   4   632   64950   4   EACH   TEST HOLE PERFORMED     5   632   64950   4   EACH   STRAIN POLE TYPE TO SALE PLAN     5   64950   4   EACH   STRAIN POLE TYPE TO SALE PLAN     6   64950   4   EACH   STRAIN POLE TYPE TO SALE PLAN     7   7   7   7   7   7   7   7   7																				
35   35   625   25604   35   FT   CONDUIT, 4", 725,061     2   2   625   25633   2   EACH   LUMINAIRE, CONVENTIONAL, SOLID STATE (LED), AS PER PLAN, 150W, 120V, TYPE II     35   35   35   625   29002   35   FT   TRENCH, 24" DEEP     1   1   622   30700   1   EACH   PULL BOX, 725,06; 18"     5   5   625   32000   5   EACH   GROUND ROD     35   35   625   36010   35   FT   UNDERGROUND WARNINGMARKING TAPE     1   1   625   76000   1   EACH   ARC PLASH CALCULATIONS AND LABEL     1   1   625   76000   1   EACH   ARC PLASH CALCULATIONS AND LABEL     1   1   625   632   05006   2   EACH   VEHICULAR SIGNAL HEAD, (LED), S-SECTION, 12" LENS, 1-WAY, POLYCARBONATE     1   1   62   632   25000   12   EACH   CHOLLAR SIGNAL HEAD, (LED), S-SECTION, 12" LENS, 1-WAY, POLYCARBONATE     1   1   632   30200   445   FT   MESSENGER WIRE, 7 STRAND, 36" DIAMETER WITH ACCESSORIES     1   445   445   632   30200   445   FT   MESSENGER WIRE, 7 STRAND, 36" DIAMETER WITH ACCESSORIES     1   445   445   632   30200   445   FT   TETHER WIRE WITH ACCESSORIES     1   1925   1,925   632   64900   4   EACH   TEST HOLL PREFORMED     1   4   4   632   64900   4   EACH   STRAND HOLL POLL POLL POLL POLL POLL POLL POLL										_										
2 2 2 625 28283 2 EACH LUMINAIRE, CONVENTIONAL, SOLID STATE (LED), AS PER PLAN, 150W, 120V, TYPE II  35 35 625 29002 35 FT TRENCH, 24* DEEP  1 1 1 628 30700 1 EACH PULL BOX, 725.08, 18*  5 5 5 625 32000 5 EACH GROUND ROD  1 1 625 76000 1 EACH ARC FLASH CALCULATIONS AND LABEL  1 1 625 76000 1 EACH ARC FLASH CALCULATIONS AND LABEL  1 1 625 76000 1 EACH VEHICULAR SIGNAL HEAD, (LED), 3-SECTION, 12* LENS, 1-WAY, POLYCARBONATE  2 2 2 632 05008 10 EACH VEHICULAR SIGNAL HEAD, (LED), 3-SECTION, 12* LENS, 1-WAY, POLYCARBONATE  1 1 1 625 76000 1 EACH VEHICULAR SIGNAL HEAD, (LED), 3-SECTION, 12* LENS, 1-WAY, POLYCARBONATE  2 2 632 25000 12 EACH COVERING OF VEHICULAR SIGNAL HEAD, (LED), 3-SECTION, 12* LENS, 1-WAY, POLYCARBONATE  1 1 1 632 76000 445 FT TETHER WIRE, WITH ACCESSORIES  445 445 632 30600 445 FT TETHER WIRE, WITH ACCESSORIES  445 445 632 632 40700 19.25 FT SIGNAL CABLE, 4 CONDUCTOR, NO. 14 AWG  1 19.25 19.25 632 40700 19.25 FT SIGNAL CABLE, 4 CONDUCTOR, NO. 14 AWG  4 4 4 632 64950 4 EACH STRAIN POLE FOR FORLOW  85 65 65 632 67300 65 FT POWER CABLE, 3 CONDUCTOR, NO. 14 AWG  1 1 1 632 70001 1 EACH POWER SERVICE, AS PER PLAN  1 1 1 632 70001 1 EACH POWER SERVICE, AS PER PLAN  2 2 2 632 86140 2 EACH POWER SERVICE, AS PER PLAN  1 1 1 1 632 70001 1 EACH POWER SERVICE, AS PER PLAN				_																
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5										35			35		625	29002	35		,	
35   35   625   36010   35   FT   UNDERGROUND WARNING/MARKING TAPE				_						1			1		625	30700	1	EACH	PULL BOX, 725.08, 18"	
1										5			5		625	32000	5	EACH	GROUND ROD	
1										25			25		COF	20040	25	ГТ	LINDED COOLIND WADNING MADVING TARE	
10				-																
2 2 632 05086 2 EACH VEHICULAR SIGNAL HEAD, (LED), 5-SECTION, 12" LENS, 1-WAY, POLYCARBONATE  12 12 632 25000 12 EACH COVERING OF VEHICULAR SIGNAL HEAD  445 445 632 30200 445 FT MESSENGER WIRE, 7 STRAND, 3/8" DIAMETER WITH ACCESSORIES  445 445 632 30600 445 FT TETHER WIRE, WITH ACCESSORIES  445 445 632 30600 445 FT TETHER WIRE, WITH ACCESSORIES  482 482 632 40400 482 FT SIGNAL CABLE, 4 CONDUCTOR, NO. 14 AWG  1,925 1,925 632 40700 1,925 FT SIGNAL CABLE, 4 CONDUCTOR, NO. 14 AWG  4 4 632 64000 4 EACH STRAIN POLE FOUNDATION  4 4 4 632 64950 4 EACH STRAIN POLE FOUNDATION  5 67500 85 67500 85 FT POWER CABLE, 3 CONDUCTOR, NO. 8 AWG  6 7 90 WER CABLE, 3 CONDUCTOR, NO. 8 AWG  6 85 85 632 67000 1 EACH STRAIN POLE FOLION RO. 10 AWG  8 85 85 632 67000 1 EACH STRAIN POLE FOLION RO. 10 AWG  8 90 WERR CABLE, 3 CONDUCTOR, NO. 8 AWG  8 90 WERR CABLE, 3 CONDUCTOR, NO. 8 AWG  8 90 WERR CABLE, 3 CONDUCTOR, NO. 8 AWG  8 90 WERR CABLE, 3 CONDUCTOR, NO. 8 AWG  9 WERR CABLE, 3 CONDUCTOR, NO.										'			' '				<u> </u>			
445																			, , , , ,	
445										12			12		632	25000	12	EACH	COVERING OF VEHICULAR SIGNAL HEAD	
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1,925				-															· ·	
4 4 632 64000 4 EACH STRAIN POLE FOUNDATION  4 4 4 632 64950 4 EACH TEST HOLE PERFORMED  85 85 85 632 67300 85 FT POWER CABLE, 3 CONDUCTOR, NO. 8 AWG  1 1 1 632 70001 1 EACH POWER SERVICE, AS PER PLAN  2 2 2 632 86140 2 EACH STRAIN POLE, TYPE TC-81.11, DESIGN 12																			, , , , , , , , , , , , , , , , , , ,	
85         85         632         67300         85         FT         POWER CABLE, 3 CONDUCTOR, NO. 8 AWG           1         1         1         632         70001         1         EACH         POWER SERVICE, AS PER PLAN           2         2         632         86140         2         EACH         STRAIN POLE, TYPE TC-81.11, DESIGN 12															632	64000	· ·	EACH	STRAIN POLE FOUNDATION	
85         85         632         67300         85         FT         POWER CABLE, 3 CONDUCTOR, NO. 8 AWG           1         1         1         632         70001         1         EACH         POWER SERVICE, AS PER PLAN           2         2         632         86140         2         EACH         STRAIN POLE, TYPE TC-81.11, DESIGN 12				$\bot$																
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2 2 632 86140 2 EACH STRAIN POLE, TYPE TC-81.11, DESIGN 12			-	+				-	1		<b></b>	-					1		· ·	98
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### 809 ADVANCE RADAR DETECTION, AS PER PLAN

THIS ITEM OF WORK SHALL CONSIST OF FURNISHING AND INSTALLING A WAVETRONIX SMARTSENSOR ADVANCE DETECTION UNIT (MODEL SS-200E). THE DETECTION UNIT SHALL INCLUDE THE FOLLOWING:

- 1. POWER SHALL BE PROVIDED FROM THE TRAFFIC CABINET.
- 2. ALL REQUIRED INPUTS CARDS SHALL BE INCLUDED IN THE TRAFFIC CABINET AND SHALL BE COMPATIBLE WITH CALTRANS, NEMA TS1 AND NEMA TS2 DETECTOR RACKS. THE CARDS SHALL PROVIDE TRUE PRESENCE DETECTOR CALLS OR CONTACT CLOSURE TO THE TRAFFIC CONTROLLER.
- 3. THE UNIT SHALL BE MOUNTED DIRECTLY TO A POLE OR MAST ARM, AS RECOMMENDED BY THE MANUFACTURER. CABLE(S) SHALL BE PROVIDED AS REQUIRED AND RECOMMENDED BY THE MANUFACTURER.
- 4. SURGE PROTECTION DEVICES, AS RECOMMENDED BY THE MANUFACTURER SHALL BE INCLUDED BOTH AT THE POLE WHERE THE UNIT IS LOCATED TO PROTECT THE UNIT AND IN THE TRAFFIC CABINET TO PROTECT THE CABINET ELECTRONICS.
- 5. THE MANUFACTURER'S REPRESENTATIVE SHALL BE ON SITE DURING INSTALLATION AND TESTING AND SHALL PROVIDE ONSITE TRAINING ON THE SETUP, OPERATION AND MAINTENANCE OF THE UNIT.
- 6. A SERIAL TO ETHERNET COMMUNICATIONS MODULE AND ETHERNET CABLE (MINIMUM 7 FEET).
- 7. THE POWER SUPPLY AND COMMUNICATION MODULES SHALL BE SECURED TO A SINGLE PANEL THAT CAN BE MOUNTED INTERIOR TO THE TRAFFIC CABINET. THE PANEL SHALL INCLUDE MODULAR-PLUG STYLE CONNECTIONS FOR UP TO FOUR (4) SENSOR CABLES. ADDITIONAL SENSORS MAY BE HARD-WIRED TO THE COMMUNICATION MODULES, AS NECESSARY.
- 8. THE CONTRACTOR SHALL INSTALL THE RADAR DETECTION PRIOR TO MILLING/DISABLING EXISTING LOOPS.
- 9. THE INSTALLATION SHALL INCLUDE ALL CONTROLLER PROGRAMMING FOR COMPLETE INSTALLATION, WHICH INCLUDES MODIFICATIONS FOR REMOVAL OF EXISTING DETECTION.

PAYMENT FOR ITEM 809 ADVANCE RADAR DETECTION, AS PER PLAN SHALL BE MADE AT THE CONTRACT UNIT PRICE FOR EACH UNIT, COMPLETE AND IN PLACE INCLUDING ALL REQUIRED CABINET HARDWARE, MOUNTING BRACKETS, CABLES, CONDUIT, CONNECTIONS TESTED AND ACCEPTED, AND ANY OTHER NECESSARY HARDWARE TO ESTABLISH A FULLY FUNCTIONAL DETECTION SYSTEM.

## 809 STOP-LINE RADAR DETECTION, AS PER PLAN

THIS ITEM OF WORK SHALL CONSIST OF FURNISHING AND INSTALLING A WAVETRONIX SMARTSENSOR MATRIX DETECTION UNIT. THE DETECTION UNIT SHALL INCLUDE THE FOLLOWING:

- 1. POWER SHALL BE PROVIDED FROM THE TRAFFIC CABINET.
- 2. ALL REQUIRED INPUTS CARDS SHALL BE INCLUDED IN THE TRAFFIC CABINET AND SHALL BE COMPATIBLE WITH CALTRANS, NEMA TS1 AND NEMA TS2 DETECTOR RACKS. THE CARDS SHALL PROVIDE TRUE PRESENCE DETECTOR CALLS OR CONTACT CLOSURE TO THE TRAFFIC CONTROLLER.
- 3. THE UNIT SHALL BE MOUNTED DIRECTLY TO A POLE OR MAST ARM, AS RECOMMENDED BY THE MANUFACTURER. CABLE(S) SHALL BE PROVIDED AS REQUIRED AND RECOMMENDED BY THE MANUFACTURER. EACH UNIT IS TO USE 3 BANDS TO ATTACH UNITS PER MANUFACTURERS RECOMMENDATIONS.
- 4. SURGE PROTECTION DEVICES, AS RECOMMENDED BY THE MANUFACTURER SHALL BE INCLUDED BOTH AT THE POLE WHERE THE UNIT IS LOCATED TO PROTECT THE UNIT AND IN THE TRAFFIC CABINET TO PROTECT THE CABINET ELECTRONICS.
- 5. THE MANUFACTURER'S REPRESENTATIVE SHALL BE ON SITE DURING INSTALLATION AND TESTING AND SHALL PROVIDE ONSITE TRAINING ON THE SETUP, OPERATION AND MAINTENANCE OF THE UNIT.
- 6. A SERIAL TO ETHERNET COMMUNICATIONS MODULE AND ETHERNET CABLE (MINIMUM 7 FEET).
- 7. THE POWER SUPPLY AND COMMUNICATION MODULES SHALL BE SECURED TO A SINGLE PANEL THAT CAN BE MOUNTED INTERIOR TO THE TRAFFIC CABINET. THE PANEL SHALL INCLUDE MODULAR-PLUG STYLE CONNECTIONS FOR UP TO FOUR (4) SENSOR CABLES. ADDITIONAL SENSORS MAY BE HARD-WIRED TO THE COMMUNICATION MODULES, AS NECESSARY.
- 8. THE CONTRACTOR SHALL INSTALL THE RADAR DETECTION PRIOR TO MILLING/DISABLING EXISTING LOOPS.
- 9. THE INSTALLATION SHALL INCLUDE ALL CONTROLLER PROGRAMMING FOR COMPLETE INSTALLATION, WHICH INCLUDES MODIFICATIONS FOR REMOVAL OF EXISTING DETECTION.

PAYMENT FOR ITEM 809 STOP-LINE RADAR DETECTION, AS PER PLAN SHALL BE MADE AT THE CONTRACT UNIT PRICE FOR EACH UNIT, COMPLETE AND IN PLACE INCLUDING ALL REQUIRED CABINET HARDWARE, MOUNTING BRACKETS, CABLES, CONDUIT AND CONNECTIONS TESTED AND ACCEPTED.

### ITEM 632 - POWER SERVICE, AS PER PLAN

THE POWER SUPPLYING AGENCY FOR THIS PROJECT IS:

SOUTH CENTRAL POWER COMPANY 2780 COONPATH ROAD NE LANCASTER, OH 43130 PHONE: (800) 282-5064 CONTACT: MICHAEL CONRAD

THE CONTRACTOR WILL BE RESPONSIBLE FOR CONTACTING THE POWER COMPANY FOR THE ELECTRICAL SERVICE CONNECTION. A MINIMUM OF THREE MONTHS NOTICE SHALL BE GIVEN TO THE POWER COMPANY FOR NEW INSTALLATIONS. THE CONTRACTOR WILL BE RESPONSIBLE FOR REQUESTING AND SCHEDULING ANY INSPECTIONS THE POWER COMPANY MAY REQUIRE FOR THE POWER SERVICE HOOK-UP.

UNDER NO CIRCUMSTANCES SHALL THE CONTRACTOR SPLICE SERVICE CABLE INTO THE POWER COMPANY'S CIRCUITS.

THE CONTRACTOR IS RESPONSIBLE FOR OBTAINING ANY NECESSARY PERMITS AND THE PAYING OF ALL FEES ASSOCIATED WITH THE SERVICE. THE CONTRACTOR SHALL PAY ALL POWER CHARGES UNTIL THE SIGNALS AND LIGHTING SYSTEM IS ACCEPTED BY ODOT.

IF THE PROPOSED POWER SERVICE LOCATION SHOWN IN THE PLANS IS NOT FEASIBLE THEN THE CONTRACTOR SHALL MOVE THE POWER SERVICE LOCATION AT THE APPROVAL OF THE ENGINEER. ITEMIZED QUANTITIES SHALL BE ADJUSTED.

PADLOCKS FURNISHED SHALL BE EITHER BRASS OR BRONZE, EQUAL TO MASTER NO. 4BKA OR WILSON BOHANNON 660A, AND KEYING SHALL BE TO THE ODOT MASTER.

THE CONTRACTOR SHALL INSTALL A POWER SERVICE CONFORMING TO SCD TC-83.10. THE PHOTO-CELL SHALL BE MOUNTED 10 FEET ABOVE THE NEAREST EDGE OF PAVEMENT ELEVATION. THE POWER SERVICE SHALL BE A MINIMUM OF 60 AMP SERVICE. PROVIDE SEPARATE DISCONNECTS FOR THE 120/240V LIGHTING CIRCUIT, AS WELL AS THE 120/240V TRAFFIC SIGNALS.

PAYMENT SHALL BE MADE AT THE UNIT PRICE BID FOR THE POWER SERVICE, COMPLETE AND IN PLACE, INCLUDING, PHOTO-CELL, CONDUIT RISER, ALL CABLE, CONDUIT, CLAMPS, TRENCHING, POWER CABLE, FITTINGS, DISCONNECT SWITCH WITH ENCLOSURE, METER BASE, GROUND RODS, PADLOCK AND KEY, PULL BOX,

AND ALL INCIDENTALS NECESSARY FOR COMPLETE SERVICE, ALL CONNECTIONS TESTED AND ACCEPTED.

THE FOLLOWING QUANTITY HAS BEEN INCLUDED IN THE GENERAL SUMMARY:

ITEM 632, POWER SERVICE, AS PER PLAN 1 EACH

		POWER SERV	ICE DATA		
POWER SERVICE	LINE VOLTS	CONNECTED LOAD (KVA)	SERVICE ENTRANCE CONDUCTOR SIZE NO.	ENCLOSURE RATING (AMPS)	CIRCUIT NO.
EXISTING	120/240V 1	5	1/0	60	SIGNAL
POWER POLE STA 312+82.05, 71.96' LT	PHASE 3-WIRE 3- COND. W/ GND. NEUTRAL	CIRCUIT LOAD (AMPS)	CIRCUIT FUSE SIZE (AMPS)	CIRCUIT CABLE SIZE (AWG)	MAINTAINING AGENCY
		7	30	6	ODOT DISTRICT 5

						Ţ	625	625	625	625	625	625	625	625	625	625	625	630	630	632	632	632	ATED ED S
SHEET NO.	REFERENCE	STATION	CODE		SIZE NCHES)	)	CONNECTION, FUSED PULL APART	CONNECTION, UNFUSED PULL APART	BRACKET ARM, 30'	CONDUIT, 2", 725.051	CONDUIT, 4", 725.051	LUMINAIRE, CONVENTIONAL, SOLID STATE (LED), AS PER PLAN, 150 W, 120V, TYPE II)	TRENCH	PULL BOX, 725.08, 18"	GROUND ROD	UNDERGROUND WARNING/MARKING TAPE	ARC FLASH CALCULATIONS AND LABEL	SIGN SUPPORT ASSEMBLY, POLE MOUNTED	SIGN, FLAT SHEET	VEHICULAR SIGNAL HEAD, (LED), 3 SECTION, 12" LENS, 1-WAY, POLYCARBONATE, BLACK	VEHICULAR SIGNAL HEAD, (LED), 5 SECTION, 12" LENS, 1-WAY, POLYCARBONATE, BLACK	COVERING OF VEHICULAR SIGNAL HEAD	CALCULAT AC CHECKEI SA.IB
	FROM TO			W	Х	Н	EACH	EACH	EACH	FT	FT	EACH	FT	EACH	EACH	LF	EACH	EACH	SF	EACH	EACH	EACH	1
10409/Design/Signals/Sheets/  10409_CS00 .dgn Sheet 2/  1/2022 4:02:03 PM PRE47802	INTERSECT LANCASTER-KIRKERS  158) AND PLEASANTVI  C1  C1  C1  PB1  PB1  SP1  SP1  SP2  SP3  SP4  SP1  SP1  SP3  SP4  SP1  SP1  SP3  SP4  SP1  L-SP1  L-SP4	SVILLE ROAD (SR	R9-3-18 R9-3-18 R9-3-18	18 18 18 18	x x x x x x x	24 24 24 24	1 1	1 1	1 1	25 10	25 10	1 1	25 10			25 10			3 3 3 3 3 3			1 1 1 1 2 2 2 2 2	TRAFFIC SIGNAL SUBSUMMARY
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<b>□</b>		RAL SUMMARY					2	2	2	35	35	2	35		5	35		4	12	10	2	12	1 (131)

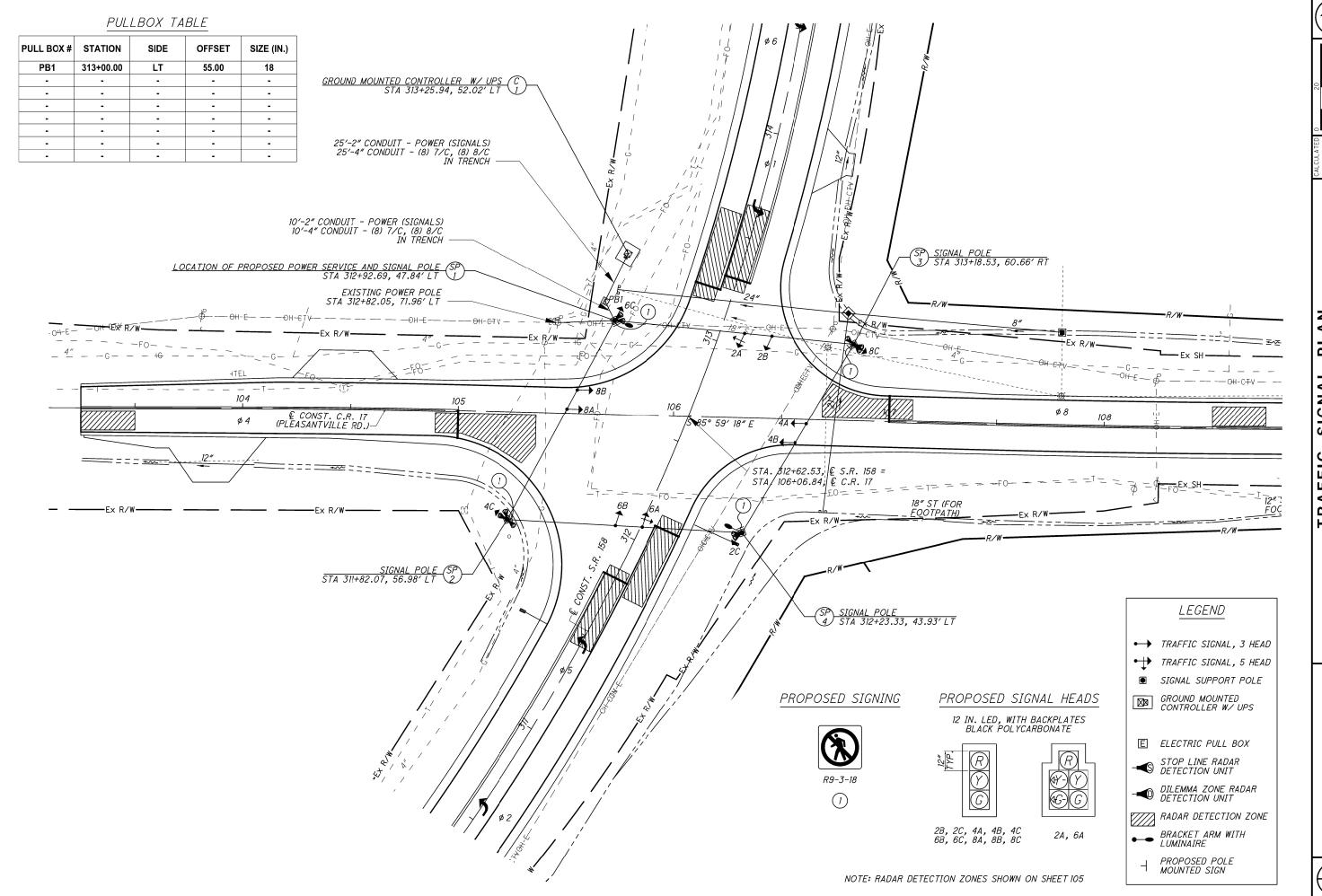
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PACK   TANK   TANK					632	632	632	632	632	632	632	632	632	632	633	633	633	633	809	809	809			
FROM TO STREAM FOR THE FT FT FT EACH EACH FT EACH EACH EACH EACH EACH EACH EACH EACH	SHEET NO.		REFERENCE	STATION	MESSENGER WIRE, 7 STRAND, 3/8" DIAMETER WITH ACCESSORIES	TETHER WIRE, WITH ACCESSORIES	SIGNAL CABLE, 4 CONDUCTOR, NO 14 AWG	SIGNAL CABLE, 7 CONDUCTOR, NO 14 AWG	STRAIN POLE FOUNDATION	TEST HOLE PERFORMED	POWER CABLE, 3 CONDUCTOR, NO. 8 AWG	POWER SERVICE, AS PER PLAN	STRAIN POLE, TYPE TC-81.11, DESIGN 12	COMBINATION STRAIN POLE, TYPE TC-81.11, DESIGN 12	CABINET, (TYPE 332), AS PER PLAN	CABINET FOUNDATION, AS PER PLAN	CONTROLLER WORK PAD, AS PER PLAN	UNINTERRUPTIBLE POWER SUPPLY (UPS), 1000 WATT, AS PER PLAN	ADVANCE RADAR DETECTION, AS PER PLAN	STOP LINE RADAR DETECTION, AS PER PLAN	ATC CONTROLLER, AS PER PLAN (PROGRAM AND INSTALL ONLY)			CALCULAT
LANCASTERRIKERSVILLE ROAD (SR 158) AND PLEASANTVILLE ROAD (SR 758) AND PLEASANTVILLE ROAD (CR 17)		FROM	ТО		FT	FT			EACH	EACH			EACH	EACH	EACH		EACH	EACH	EACH	EACH	EACH			1
PB1	104	158) AND	TER-KIRKER PLEASANT	RSVILLE ROAD (SR								1			1	1	1	1			1			
SP4   SP3   SP4   115   115   115   1 1   1   1   1   1	104	P S S	PB1 PP1 P2	312+92.69 311+82.07									<u> </u>	1	1				1	2				
SP2         SP1         110         110         1		SP1 SP3	P4 SP3 SP4		105	105				· ·			1	1						1				
SPI         PBI         C1         SPI         PBI         C1         SPI         SPI </td <td></td> <td>SP2</td> <td>SP1 SP1</td> <td></td> <td></td> <td></td> <td></td> <td></td> <td>· ·</td> <td></td>		SP2	SP1 SP1						· ·															
C1         8A/8B         165  <		SP1 PB1 C1	PB1 C1 2A/2B																					
C3 4C 255 255 2 25 2 2 2 2 2 2 2 2 2 2 2 2 2		C1 C1 C1	8A/8B 6A/6B 6C					165 290 105																
		C3	4C					255																_
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			D TO CENE	RAL SUMMARY	445	445	482	1925	4	4	85	1	2	2	1	1	1	1	4	6	1			

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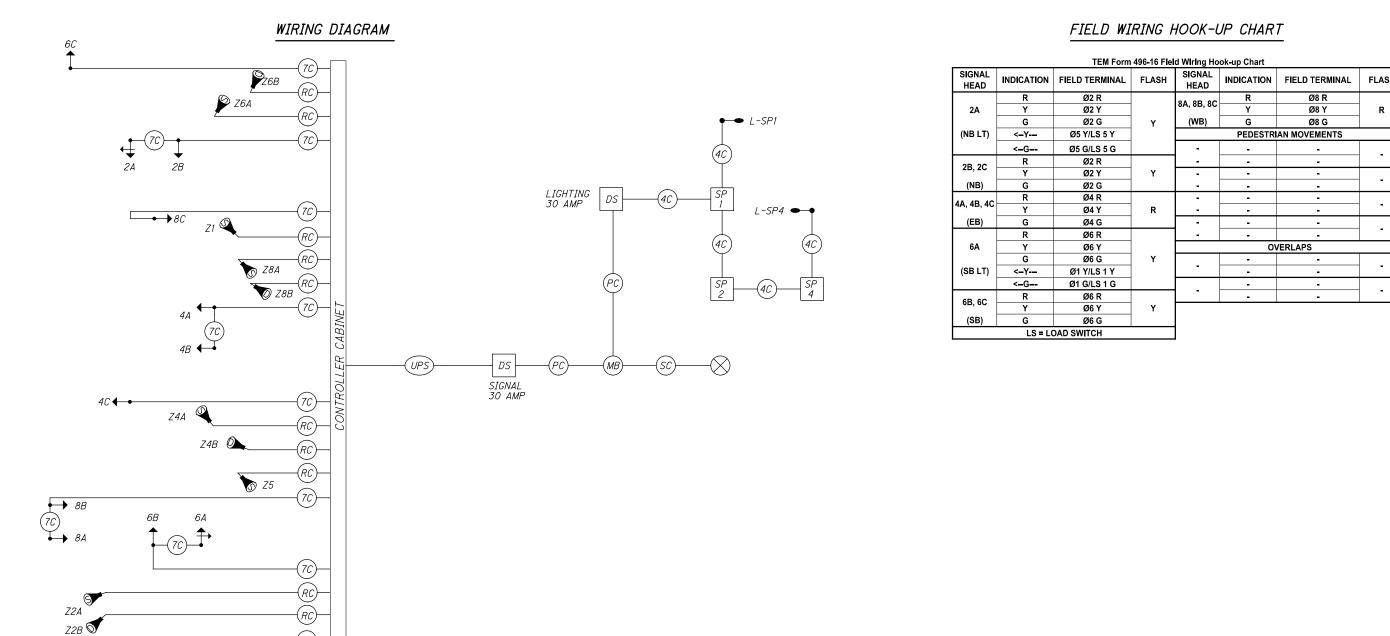
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		TEM Form	ı 496-16 Fle	ld Wiring Ho	ok-up Chart			
SIGNAL HEAD	INDICATION	FIELD TERMINAL	FLASH	SIGNAL HEAD	INDICATION	FIELD TERMINAL	FLASH	
	R	Ø2 R		04 00 00	R	Ø8 R		
2A	Υ	Ø2 Y	1	8A, 8B, 8C	Y	Ø8 Y	R	
	G	Ø2 G	] Y	(WB)	G	Ø8 G	1	
(NB LT)	<-Y	Ø5 Y/LS 5 Y	1		PEDESTRI	AN MOVEMENTS		
	<-G	Ø5 G/LS 5 G		-	-	-		
2D 2C	R	Ø2 R			-	-		
2B, 2C	Υ	Ø2 Y	Y	-	-	-		
(NB)	G	Ø2 G	1	-	-	•	i -	
4A 4D 40	R	Ø4 R		-	-	-		
4A, 4B, 4C	Y	Ø4 Y	R	-	-	-	<del>-</del>	
(EB)	G	Ø4 G		-	-	-		
	R	Ø6 R			-		-	
6A	Y	Ø6 Y	1		0\	/ERLAPS		
	G	Ø6 G	Y		-	-		
(SB LT)	<-Y	Ø1 Y/LS 1 Y	1	•	-	-	<b>-</b>	
	<-G	Ø1 G/LS 1 G			-	-		
6B, 6C	R	Ø6 R		Ī -	-	-	-	
0D, 0C	Y	Ø6 Y	Υ		•	•		
(CD)	_	~ · ·	1	I				

# LEGEND

•••	BRACKET ARM WITH LUMINAIRE	— DS	DISCONNECT SWITCH
•	TRAFFIC SIGNAL, 5 UNIT HEAD, 12"	$-\!$	POWER SERVICE
•	TRAFFIC SIGNAL, 3 UNIT, 12"	—(SC)—	SERVICE CABLE, 3 CONDUCTOR, NO. 8 AWG
-	DILEMMA ZONE RADAR DETECTION UNIT	—(PC)—	POWER CABLE, 3 CONDUCTOR, NO. 8 AWG
<b>-</b>	STOP LINE RADAR DETECTION UNIT	—(PE)—	PHOTOELECTRIC CELL
—(7C)—	SIGNAL CABLE, 7 CONDUCTOR, NO. 14 AWG	SP1	SIGNAL SUPPORT POLE NO
<u> </u>	SIGNAL CABLE, 4 CONDUCTOR, NO. 14 AWG		METER BASE
—(RC)—	RADAR DETECTION CABLE	—(UPS)—	UNINTERRUPTIBLE POWER SUPPLY CABL