

pw:\gfnepw\pwbentley.com\gfnepw-01\Documents\Projects\63519\103626\Design\Roadway\sheet\103626_cg001.dgn Sheet 6 1/23/2023 11:24:50 AM pkeiffer

SHEET NUMBER																FUNDING						ITEM	ITEM EXT.	GRAND TOTAL	UNIT	DESCRIPTION	SEE SHEET NO.						
23	27	34	132	133	146	235	262	270	274	297	302	313	348	366	388	476	01/NHS/PV	02/S>2/PV	03/NHS/BR	04/NHS/PV	05/S>2/PV							06/ENH/31					
																															TRAFFIC SIGNALS - CONTINUED FROM PREVIOUS PAGE		
													1										632	90010	1	EACH	PEDESTAL, MISC.: 15', TRANSFORMER BASE	341					
												2											632	90001	2	EACH	REMOVAL OF TRAFFIC SIGNAL INSTALLATION, AS PER PLAN	341					
												7											632	90104	7	EACH	REUSE OF TRAFFIC CONTROL ITEM, PREEMPT CONFIRMATION LIGHT						
												LS											632	90300	LS		SIGNALIZATION, MISC.: SYSTEM INTEGRATION	343					
												2											633	65511	2	EACH	CABINET, TYPE TS-2, AS PER PLAN	344					
												2											633	67100	2	EACH	CABINET FOUNDATION						
												2											633	75001	2	EACH	UNINTERRUPTIBLE POWER SUPPLY (UPS), 1000 WATT, AS PER PLAN	345					
												1											809	69001	1	EACH	ADVANCE RADAR DETECTION, AS PER PLAN	344					
												2											809	69123	2	EACH	ATC CONTROLLER, AS PER PLAN, V6.24	344					
												4											809	69200	4	EACH	EMERGENCY VEHICLE PREEMPTION						
												2											816	30001	2	EACH	VIDEO DETECTION SYSTEM, AS PER PLAN (360 DEGREES)	346					
																															LANDSCAPING		
															106								106	661	14000	106	EACH	PERENNIALS, (#2), CALAMAGROSTIS X ACUTIFLORA CHEJU-DO					
															29								29	661	14000	29	EACH	PERENNIALS, (#1), NEPETA X FAASSENII WALKERS LOW					
															600								600	661	14000	600	EACH	PERENNIALS, (#1), SEDUM SPURIUM RED CARPET					
															39								39	661	20040	39	EACH	DECIDUOUS SHRUB, 2' HEIGHT, CORNUS SERICEA KELSEYI					
															33								33	661	20040	33	EACH	DECIDUOUS SHRUB, 2' HEIGHT, HYDRANGEA MACROPHYLLA ENDLESS SUMMER					
															85								85	661	30000	85	EACH	EVERGREEN SHRUB, (12" HT.), JUNIPERUS CHINENSIS SARGENTII VIRIDIS					
															250								250	661	30000	250	EACH	EVERGREEN SHRUB, (12" HT.), JUNIPERUS CONFERTA BLUE PACIFIC					
															48								48	661	30000	48	EACH	EVERGREEN SHRUB, (12" HT.), JUNIPERUS SABINA BUFFALO					
															4								4	661	40080	4	EACH	DECIDUOUS TREE, 2" CAL, EUCOMMIA ULMOIDES					
															3								3	661	40080	3	EACH	DECIDUOUS TREE, 2" CAL, FAGUS GRANDIFOLIA					
															43								43	661	40080	43	EACH	DECIDUOUS TREE, 2" CAL, GINKGO BILOBA AUTUMN GOLD					
															2								2	661	40080	2	EACH	DECIDUOUS TREE, 2" CAL, PLATANUS OCCIDENTALIS					
															13								13	661	40080	13	EACH	DECIDUOUS TREE, 2" CAL, QUERCUS RUBRA					
															35								35	661	40080	35	EACH	DECIDUOUS TREE, 2" CAL, ULMUS AMERICANA PRINCETON					
															15								15	661	40080	15	EACH	DECIDUOUS TREE, 1.5" CAL, AMELANCHIER LAEVIS LUSTRE					
															21								21	661	40080	21	EACH	DECIDUOUS TREE, 1.5" CAL, CERCIS CANADENSIS APPALACHIAN RED					
															20								20	661	40080	20	EACH	DECIDUOUS TREE, 1.5" CAL, CORNUS FLORIDA CHEROKEE BRAVE					
															5								5	661	40120	5	EACH	DECIDUOUS TREE, 3" CAL, ACER RUBRUM OCTOBER GLORY					
															6								6	661	50160	6	EACH	EVERGREEN TREE, 8' HEIGHT, PICEA ABIES					
															2								2	SPECIAL	69098000	2	EACH	GATEWAY	396				
															770								770	SPECIAL	69098100	770	FT	GRAVEL MOW STRIP	389				
															352								352	SPECIAL	69098200	352	SF	SEGMENTAL RETAINING WALL	389				
															2421								2421	SPECIAL	69098200	2421	SF	SEGMENTAL LANDSCAPE WALL	389				
															1350								1350	SPECIAL	69098200	1350	SF	RAILROAD ABUTMENT STONE WALL	389				
															782								782	SPECIAL	69098200	782	SF	UNIT PAVERS	388				
															2730								2730	SPECIAL	69098200	2730	SF	STONE MULCH AT RAILROAD ABUTMENT	389				
																															TRACK		
															2								202	20010	2	EACH	HEADWALL REMOVED						
															850								202	35100	850	FT	PIPE REMOVED, 24" AND UNDER						
															395								202	35200	395	FT	PIPE REMOVED, OVER 24"						
															1								202	58000	1	EACH	MANHOLE REMOVED						
															2								202	58100	2	EACH	CATCH BASIN REMOVED						
															71211								203	10001	71211	CY	EXCAVATION, AS PER PLAN	476					
															58722								203	20001	58722	CY	EMBANKMENT, AS PER PLAN	476					
															8								601	34200	8	CY	ROCK CHANNEL PROTECTION, TYPE C WITHOUT FILTER						
															4								602	20000	4	CY	CONCRETE MASONRY						
															850								611	02500	850	FT	8" CONDUIT, TYPE E, PERFORATED						
															395								611	16401	395	FT	36" CONDUIT, TYPE B, 707.19, AS PER PLAN	476					
															2								611	98270	2	EACH	CATCH BASIN, NO. 4A						
															1								611	99574	1	EACH	MANHOLE, NO. 3						
															520								SPECIAL	69099500	520	DAY	RAIL ITEM, MISC.: RAILROAD FLAGGING	476					
															9030								SPECIAL	90010000	9030	FT	RAIL ITEM, MISC.: TRACK REMOVED	476					
															LS								SPECIAL	90017000	LS		RAIL ITEM, MISC.: SURVEY AND LAYOUT FOR TRACKWORK ALIGNMENT AND PROFILE	475					
															5537								SPECIAL	90019000	5537	CY	RAIL ITEM, MISC.: SUB-BALLAST - 12" DEPTH	475					
															107								SPECIAL	90019000	107	CY	RAIL ITEM, MISC.: BALLAST OVER BRIDGE WATERPROOFING	476					

GENERAL SUMMARY

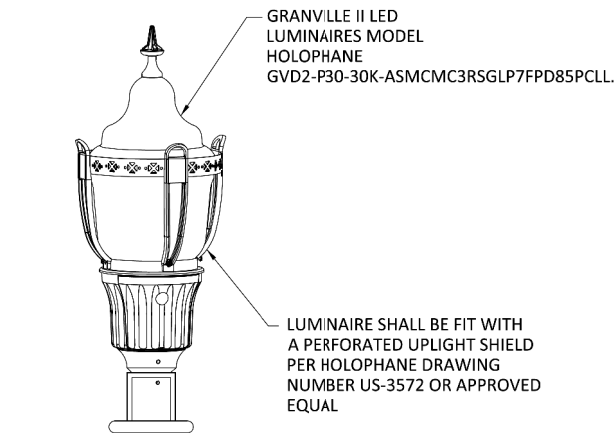
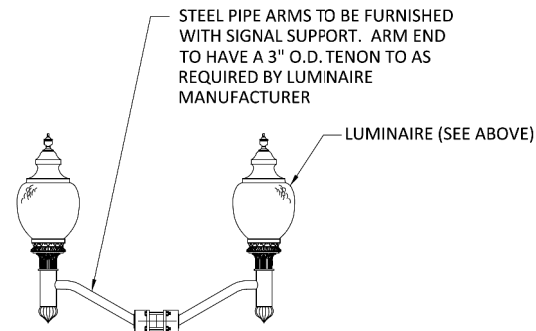
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ITEM 625 LUMINAIRE, DECORATIVE, IES-II-SEMI CUTTOFF-MEDIUM, 8800 LUMENS, AS PER PLAN

IN ADDITION TO THE REQUIREMENTS OF ODOT CMS 625.08, AND SS 813 THE LUMINAIRES SHALL BE GRANVILLE II LED LUMINAIRES WITH LEAF-SYLE HOUSING, MODEL HOLOPHANE GVD2-P30-30K-AS-M-CMC-R-S-GL-P7-FPD85-PC11. HOUSING, RIBS, AND BANDS SHALL BE PAINTED WITH A FINISH COAT TO MATCH THE PROPOSED SIGNAL SUPPORT POLE COLOR, WHICH IS SIMILAR TO FEDERAL SPECIFICATION 595-B COLOR #27038 BLACK.

SHOP DRAWINGS FOR ALL COMPONENTS MUST BE SUBMITTED TO THE CITY FOR REVIEW AND APPROVAL AT LEAST 7 DAYS PRIOR TO ORDERING MATERIALS.

PAYMENT WILL BE MADE AT THE CONTRACT UNIT PRICE BID PER EACH OF ITEM 625 LUMINAIRE, DECORATIVE, IES-II-SEMI CUTTOFF-MEDIUM, 8800 LUMENS, AS PER PLAN



ITEM 625 - CONDUIT MISC.: INTERCONNECT DUCT BANK

IN ADDITION TO THE REQUIREMENT OS 625 AND 725, THE THREE (3) 1-1/4" CONDUITS, FOR FUTURE FIBER OPTIC INTERCONNECT USE, SHALL BE SDRII HDPE MATERIAL AND INSTALLED EMPTY. THE THREE (2) CONDUITS SHALL BE INSTALLED AT ALL LOCATIONS SHOWN ON HE PLANS AND ONE EACH SHALL BE BLUE, ORANGE AND GREEN IN COLOR.

PLASTIC CAUTION TAPE SHALL BE INSTALLED ABOVE THE INTERCONNECT CONDUITS AND SHALL BE PLACED 18" BELOW THE FINISHED GRADE.

TRACER WIRE SHALL BE INSTALLED DIRECTLY ABOVE THE INTERCONNECT CONDUITS AND SHALL BE 12 AWG, 250# PULL RATED ADD SHALL BE COPPERHEAD REINFORCED TRACER WIRE BY COPPERHEAD INDUSTRIES.

THE CONDUITS SHALL BE INSTALLED SO THEY ENTER THE BOTTOM OF EACH PULL BOX.

THE CONDUITS SHALL MAINTAIN A MINIMUM OF 1.5' SEPARATION FROM ALL UTILITIES EXCEPT THE SIGNAL CONDUITS SINCE THE WILL BE SHARING A TRENCH AND PULL BOXES.

PAYMENT SHALL BE MADE AT THE CONTRACT UNIT PRICE BID PER FOOT OF ITEM 625-CONDUIT, MISC.: INTERCONNECT DUCT BANK INSTALLED AND ACCEPTED.

ITEM 630 - SIGN, STREET NAME, AS PER PLAN

IN ADDITION TO THE REQUIREMENTS OF ODOT CMS 630 AND 730, THE SIGNS SHALL CONFORM TO THE CITY OF DELAWARE STANDARDS AND HAVE THE FOLLOWING SPECIFICATIONS:

HIGH INTENSITY REFLECTIVITY WHITE LETTERS
HIGH INTENSITY REFLECTIVITY BLUE SHEETING

STREE NAME SIGN SIZE AND LETTERING HEIGHTS SHALL FOLLOW OMUTCD, THE CITY OF DELAWARE ENGINEERING STANDARD DRAWING RDWD 36.0, AS APPROVED BY THE ENGINEER.

SHOP DRAWINGS FOR ALL COMPONENTS MUST BE SUBMITTED TO THE CITY FOR REVIEW AND APPROVAL AT LEAST 7 DAYS PRIOR TO ORDERING MATERIALS.

PAYMENT SHALL BE MADE AT THE CONTRACT UNIT PRICE BID PER EACH OF ITEM 630 - SIGN, STREET NAME, AS PER PLAN.

632 REMOVAL OF TRAFFIC SIGNAL INSTALLATION, AS PER PLAN

TRAFFIC SIGNAL INSTALLATIONS, INCLUDING SIGNAL HEADS, CABLE, MESSENGER WIRE, STRAIN POLES, CABINET, CONTROLLER, ETC., SHALL BE REMOVED IN ACCORDANCE WITH C&MS 632.26 AND AS INDICATED ON THE PLANS. EXISTING COMMUNICATIONS AND DETECTION SYSTEMS SHALL NOT BE REMOVED UNTIL NEW SYSTEMS ARE IN PLACE AND OPERATIONAL, UNLESS OTHERWISE DIRECTED BY THE ENGINEER. REMOVED ITEMS SHALL BE REUSED AS PART OF A NEW INSTALLATION ON THE PROJECT OR DELIVERED TO CITY OF DELAWARE PUBLIC WORKS, 440 E WILLIAM ST. DELAWARE, OHIO IN ACCORDANCE WITH THE LISTING GIVEN HEREIN.

AT LOCATIONS WHERE EXISTING DETECTION AND/OR INTERCONNECT IS BEING REPLACED, EXISTING WIRING SHALL BE REMOVED FROM THE CABINET, PULL BOXES, AND CONDUITS.

- ITEMS TO BE SALVAGED:
- WIRELESS COMMUNICATIONS (UBIQUITI RADIOS)
 - NETWORK SWITCHES AND PORT SERVERS
 - VIDEO DETECTION SYSTEMS
 - RADAR DETECTION SYSTEMS

THE CONTRACTOR SHALL, WHEN DIRECTED BY THE ENGINEER IN WRITING, REMOVE AND DISPOSE OF THE ITEMS AT NO ADDITIONAL COST TO THE PROJECT.

ITEM 632 COMBINATION SIGNAL SUPPORT, TYPE TC-12.31 DESIGN 10 POLE, WITH MAST ARMS TC-81.22 DESIGN 14 AND DESIGN 4, AS PER PLAN

IN ADDITION TO THE REQUIREMENTS OF ITEM 632, SIGNAL SUPPORT AND MAST ARMS SHALL BE A BLACK POWDER COAT (FEDSTD-595b 17038) MEETING THE REQUIREMENTS OF SS916.

PAYMENT WILL BE MADE AT THE CONTRACT UNIT PRICE BID PER EACH OF ITEM 632, COMBINATION SIGNAL SUPPORT, TYPE TC-12.31 DESIGN 10 POLE, WITH MAST ARMS TC-81.22 DESIGN 14 AND DESIGN 4, AS PER PLAN.

**ITEM 632 PEDESTAL, 11', TRANSFORMER BASE, AS PER PLAN
ITEM 632, PEDESTAL MISC.: 15' TRANSFORMER BASE**

IN ADDITION TO THE REQUIREMENTS OF CMS 632, THE PEDESTAL FINISH SHALL CONSIST OF SEMI-GLOSS BLACK POLYESTER POWDER COAT FINISH. PAINT CHIP SAMPLES AND SHOP DRAWINGS FOR ALL COMPONENTS MUST BE SUBMITTED TO THE CITY FOR REVIEW AND APPROVAL AT LEAST 7 DAYS PRIOR TO ORDERING MATERIALS. PROVIDE ADEQUATE PROTECTION FOR THE FINISH OF THE PEDESTAL. IF FINISH IS DAMAGED DURING HANDLING AND/OR INSTALLATION, THE CONTRACTOR SHALL REPAIR THE FINISH PER THE POLE MANUFACTURER'S RECOMMENDATIONS. ALL PROPOSED PEDESTAL LOCATIONS SHALL MATCH EXISTING SUPPORT COLORS UNLESS OTHERWISE NOTED. PAYMENT WILL BE MADE AT THE CONTRACT UNIT PRICE BID PER EACH OF ITEM 632 PEDESTAL, BY SIZE, AS PER PLAN.

ITEM 632 COMBINATION SIGNAL SUPPORT, TYPE TC-81.22, BY DESIGN, AS PER PLAN

IN ADDITION TO THE REQUIREMENTS OF ITEM 632, SIGNAL SUPPORT POLE AND MAST ARM SHALL BE A BLACK POWDER COAT (FEDSTD-595b 17038) MEETING THE REQUIREMENTS OF SS916.

PAYMENT WILL BE MADE AT THE CONTRACT UNIT PRICE BID PER EACH OF ITEM 632 COMBINATION SIGNAL SUPPORT, TYPE TC-81.22, BY TYPE, AS PER PLAN.

ITEM 632 POWER SERVICE, AS PER PLAN

POWER SERVICE SHALL BE AS PER SPECIFICATION 632 AND STANDARD CONSTRUCTION DRAWING TC-83.10 WITH THE FOLLOWING EXCEPTIONS:

1. THE METER BASE MOUNTING HEIGHT SHALL BE NO MORE THAN FIVE (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 BYPASS.
4. THE POWER SERVICE BLIND HALF COUPLING SHALL BE TWENTY-SEVEN (27) INCHES ABOVE THE BOTTOM OF THE STRAIN POLE BASE PLATE AND SHALL BE WELDED TO THE STRAIN POLE.
5. CONDUIT FROM THE BOTTOM OF THE DISCONNECT SWITCH ENCLOSURE INTO THE BOTTOM OF THE CONTROLLER CABINET WILL NOT BE PERMITTED. POWER SERVICE WIRES FROM THE DISCONNECT SWITCH ENCLOSURE TO THE CONTROLLER CABINET SHALL BE ROUTED THROUGH THE STRAIN POLE.
6. IF INTERSECTION LIGHTING IS SPECIFIED THEN SEPARATE DISCONNECT SWITCHES SHALL BE INSTALLED AND LABELED "LIGHTING" AND "TRAFFIC SIGNAL" WITH A WEATHER PROOF STICKER. MARKER ON THE OUTSIDE OF THE ENCLOSURE IS NOT ACCEPTABLE.

DISCONNECT SWITCH ENCLOSURES FURNISHED SHALL INCLUDE A PADLOCK EQUAL TO MASTER NO. 4BKA OR WILSON BOHANNON 660, WITH LOCK BODY OF BRONZE OR BRASS AND KEYING SHALL BE TO THE STATE MASTER.

THE CONTRACTOR SHALL CONTACT THE METER SECTION OF THE POWER COMPANY FOR INFORMATION REGARDING THE METER BASE INSTALLATION PRIOR TO ORDERING POLES. THE CONTRACTOR WILL BE RESPONSIBLE FOR REQUESTING AND SCHEDULING ANY INSPECTIONS THE POWER COMPANY MAY REQUIRE FOR THE POWER SERVICE HOOK UP. THE CONTRACTOR SHALL BE RESPONSIBLE TO CONTACT THE POWER COMPANY FOR THE ELECTRICAL SERVICE CONNECTION. UNDER NO CIRCUMSTANCES SHALL THE CONTRACTOR SPLICE POWER CABLE INTO THE POWER COMPANY'S CIRCUITS. THE VOLTAGE SUPPLIED SHALL BE NOMINALLY 120 VOLTS. 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.

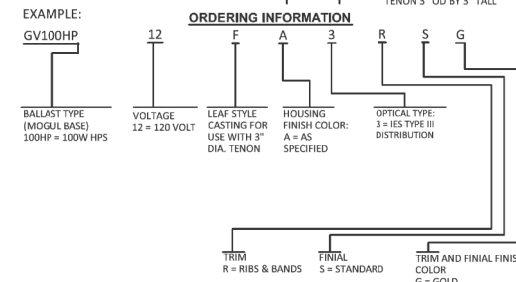
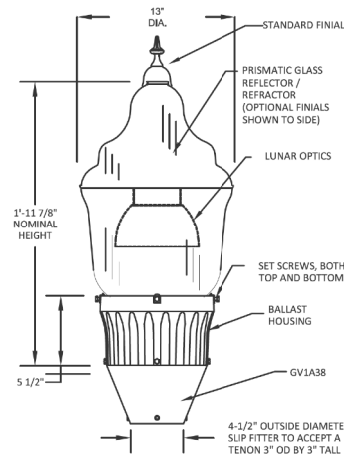
CONTRACTOR SHALL COORDINATE WITH THE CITY AND UTILITY TO REQUEST/ASSIGN AN ADDRESS FOR ANY NEW SERVICE OR EXISTING SERVICE THAT DOESN'T ALREADY HAVE AN ADDRESS ASSIGNED.

WHERE POWER SERVICE IS SPECIFIED IN THE PLANS TO REPLACE EXISTING POWER SERVICE (OR AS REFURBISHED), THIS ITEM SHALL INCLUDE THE REMOVAL AND REPLACEMENT OF THE SERVICE RISER, METER (IF APPLICABLE), DISCONNECT, AND ASSOCIATED CONDUIT AND FITTINGS TO REACH THE TRAFFIC SIGNAL CABINET.

PAYMENT SHALL BE AT THE CONTRACT UNIT BID PRICE AND SHALL INCLUDE ALL LABOR, MATERIAL AND EQUIPMENT FOR A COMPLETE POWER SERVICE TESTED AND ACCEPTED.

**GRANVILLE® SERIES LUMINAIRE
LEAF STYLE CASTING with LUNAR OPTICS™**

MAXIMUM WEIGHT - 47 lbs.
MAXIMUM EFFECTIVE PROJECTED AREA - 1.26 sq. ft.



Specifications

GENERAL DESCRIPTION
The luminaire consists of three main components, a ballast housing, a reflector with socket, and a prismatic glass optical assembly.

OPTICAL ASSEMBLY
The optical assembly is a precisely molded thermal resistant borosilicate glass reflector and refractor with or without a decorative finial. The upper portion of this system incorporates a series of reflecting prisms that redirect over 50% of the upward light in to the controlling refractor while allowing a soft uplight component to define the traditional acorn shape of the luminaire. Two decorative aluminum top covers are available. The lower portion uses precisely molded refracting prisms to control the distribution of light to maximize utilization, uniformity, and luminaire spacing. Three unique optical assemblies are available, designed for IES type III, IV, and V lighting distributions.

BALLAST HOUSING
The ballast housing contains the ballast and other electrical components. The housing is cast of aluminum alloy with a fluted concave contour designed to flow gracefully from a 7" diameter decorative post capital and replicate the fluted pattern of a decorative post shaft. The ballast housing is secured by four hex head 1/4-20 set screws. Four uniquely designed stainless steel spring clips enclosed in a clear polyvinyl chloride sleeve and adjusted by hex head 1/4-20 bolts securely cradle the optical assembly.

BALLAST
(Refer to Ballast Data Sheet for specific operating characteristics)
35 - 100 watt 120 volt High Pressure Sodium (HPS) ballasts are High Power Factor Reactor type. All other HPS ballasts are High Power Factor Autotransformer type.
175 watt Metal Halide (MH) ballasts are Peak Lead Autotransformer type. 70 and 100 watt MH units are available only with (120V, 208V, 240V, 277V) multitap High Power Factor High Reactance type ballast.
All Mercury Vapor (MV) ballasts are High Power Factor Constant Wattage Autotransformer (CWA) type.

REFLECTOR / SOCKET ASSEMBLY
The reflector/socket assembly is designed to position the specified light source at the light center of the refractor.

INSTALLATION
Refer to the instruction manual provided with each luminaire as to the specific method of wiring and mounting the luminaire.

FINISH
The housing is finished with polyester powder paint applied after a seven stage pretreatment process to insure maximum durability.

UL LISTING
The luminaire is UL listed as suitable for wet locations at a maximum 40 degree C ambient temperature.

OPTIONS
P - PROTECTIVE STARTER
ACCESSORIES
DTP1212A - PHOTOCONTROL FOR 120 VOLT. LOCATED IN ACCESS COVER. FIELD INSTALLED. NOT UL LISTED
GV1A38 - COUPLING TO ADAPT THE LUMINAIRE TO FIT A 3-INCH LIGHT POLE TENON
COLOR
Y539A - DELAWARE GREEN

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TRAFFIC SIGNAL NOTES
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SHEET NUM.								PART.			ITEM	ITEM EXT	GRAND TOTAL	UNIT	DESCRIPTION	SEE SHEET NO.
						346	349	01/NHS/PV	02/S>2/PV	06/ENH/31						
											625	23200	815	FT	NO. 4 AWG 2400 VOLT DISTRIBUTION CABLE	
											625	23400	350	FT	NO. 10 AWG POLE AND BRACKET CABLE	
											625	25400	444	FT	CONDUIT, 2", 725.04	
											625	25408	223	FT	CONDUIT, 2", 725.051	
											625	25604	135	FT	CONDUIT, 4", 725.051	
											625	26253	4	EACH	LUMINAIRE, CONVENTIONAL, SOLID STATE (LED), IES-III-FULL CUTOFF-MEDIUM, 3000K-CCT. AS PER PLAN	365
										6	625	27551	6	EACH	LUMINAIRE, DECORATIVE, IES-II-SEMI CUTOFF-MEDIUM, 8800 LUMENS, AS PER PLAN	341
											625	29001	472	FT	TRENCH, AS PER PLAN	340
											625	29401	160	FT	TRENCH IN PAVED AREAS, AS PER PLAN	340
											625	30700	3	EACH	PULL BOX, 725.08, 18"	
											625	30706	1	EACH	PULL BOX, 725.08, 24"	
											625	30730	5	EACH	PULL BOX, 725.08, 48", TYPE 1	
											625	32000	20	EACH	GROUND ROD	
											630	79100	4	EACH	SIGN HANGER ASSEMBLY, MAST ARM	
											630	79500	15	EACH	SIGN SUPPORT ASSEMBLY, POLE MOUNTED	
											630	80100	34.5	SF	SIGN, FLAT SHEET	
											630	80511	8	EACH	SIGN, STREET NAME, AS PER PLAN. HIGH INTENSITY REFLECTIVE WHITE LEGEND AND BLUE SHEETING	341
											632	05007	19	EACH	VEHICULAR SIGNAL HEAD, (LED), 3-SECTION, 12" LENS, 1-WAY, POLYCARBONATE, AS PER PLAN, WITH BACKPLATES	344
											632	05087	9	EACH	VEHICULAR SIGNAL HEAD, (LED), 5-SECTION, 12" LENS, 1-WAY, POLYCARBONATE, AS PER PLAN, WITH BACKPLATES	344
											632	20731	13	EACH	PEDESTRIAN SIGNAL HEAD (LED), TYPE D2, COUNTDOWN, AS PER PLAN	343
											632	20751	10	EACH	ACCESSIBLE PEDESTRIAN PUSHBUTTON, AS PER PLAN	342
											632	25001	25	EACH	COVERING OF VEHICULAR SIGNAL HEAD, AS PER PLAN	342
											632	25010	9	EACH	COVERING OF PEDESTRIAN SIGNAL HEAD	
											632	40200	1,517	FT	SIGNAL CABLE, 2 CONDUCTOR, NO. 14 AWG	
											632	40700	2,589	FT	SIGNAL CABLE, 7 CONDUCTOR, NO. 14 AWG	
											632	64010	7	EACH	SIGNAL SUPPORT FOUNDATION	
											632	64020	9	EACH	PEDESTAL FOUNDATION	
											632	68200	377	FT	POWER CABLE, 2 CONDUCTOR, NO. 6 AWG	
											632	70001	2	EACH	POWER SERVICE, AS PER PLAN	341
											632	70400	2	EACH	CONDUIT RISER, 2" DIAMETER	
											632	78385	1	EACH	COMBINATION SIGNAL SUPPORT, TYPE TC-12.31 DESIGN 10, WITH MAST ARMS TC-81.22 DESIGN 14 AND DESIGN 4, AS PER PLAN	341
											632	79101	1	EACH	COMBINATION SIGNAL SUPPORT, TYPE TC-81.22, DESIGN 2, AS PER PLAN	341
											632	79111	1	EACH	COMBINATION SIGNAL SUPPORT, TYPE TC-81.22, DESIGN 4, AS PER PLAN	341
											632	79131	1	EACH	COMBINATION SIGNAL SUPPORT, TYPE TC-81.22, DESIGN 12, AS PER PLAN	341
											632	79141	1	EACH	COMBINATION SIGNAL SUPPORT, TYPE TC-81.22, DESIGN 13, AS PER PLAN	341
											632	79151	2	EACH	COMBINATION SIGNAL SUPPORT, TYPE TC-81.22, DESIGN 14, AS PER PLAN	341
											632	80700	3	EACH	SIGNAL SUPPORT, MISC.: SIGNAL SUPPORT, MECHANICAL DAMPER FOR TC-81.22 MAST ARM (GREATER THAN 39' IN LENGTH)	340
											632	90001	9	EACH	PEDESTAL, 11", TRANSFORMER BASE, AS PER PLAN	341
											632	90010	1	EACH	PEDESTAL, MISC.: 15", TRANSFORMER BASE	341
											632	90101	2	EACH	REMOVAL OF TRAFFIC SIGNAL INSTALLATION, AS PER PLAN	341
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											809	69200	4	EACH	EMERGENCY VEHICLE PREEMPTION	
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						LS		LS			632	90300	LS		SIGNALIZATION, MISC.: SYSTEM INTEGRATION	343

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SIGNAL SUBSUMMARY
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