

PRE-APPROVED MATERIAL LIST
 Latest Update Effective March 1, 2014

STREET LIGHTING:

ITEM	MANUFACTURER (W/item #)	MANUFACTURER (W/item #)	MANUFACTURER (W/item #)	MANUFACTURER (W/item #)	MANUFACTURER (W/item #)	MANUFACTURER (W/item #)
LUMINAIRE	Deco	Sentry	Everlast	Neptun		
Induction Post-Top	DA22I-20-86-41-240-BK-LP	SLH-85QL-240V-III-F-SD BK				
LED Post-Top		SLH-(2)32LEDV18-1.05A-840-III-F-SD BK				
Induction Cobra Head 250W Equivalent			ECH-ED-150-120-50-BPC-X	89150-UNV-850-SC-GRY		
Induction Cobra Head 400W Equivalent			ECH-ED-250-120-50-BPC-X	89250-UNV-850-SC-GRY		
SCREW-IN BASE (TAPPED)	Chance	Component Products	Lemac/J.H. Botts			
14' Pole	T112-0363	CPI-SLSF-64 9.5DT	Type R			
30' Pole – Single & Twin Arms	T112-0292	CPI-SLSF-85 11DT	Type W			
40' Pole – Single Arm	T112-0293	CPI-SLSF-85 11.5DT	Type W			
40' Pole – Twin Arms	T112-0294	CPI-SLSF-85 14.5DT	Type U			
BREAKAWAY BASES	Component Products	Hapco	Valmont			
11" Base	TB6-9	A79402	CS-300 KS-150			
15" Base	TB5-9	A79236	CS-370 KS-151			
LIGHT POLES	Hapco	P&K / Pfaff & Kendall	Valmont			
14' Pole	66338	RTA6L14AA23C	KS-130			
20' Pole	80972		KS-153			
30' Single 6' Arm	79788-001	RTB7M309S1623C	KS-131			
30' Single 8' Arm	79788-002	RTB7M309S1823C	KS-131			
30' Single 10' Arm	79608-001	RTB8M309T1023C	KS-132			
30' Twin 8' Arm	79788-003	RTB8M309AS2823C	KS-133			
30' Twin 10' Arm	79608-002	RTB8H309AT2023C	KS-134			
40' Single 6' Arm	79788-004	RTB8H409S1623C	KS-135			
40' Single 8' Arm	79788-005	RTB8H409S1823C	KS-135			

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LIGHT POLES	Hapco	P&K / Pfaff & Kendall	Valmont			
40' Single 10' Arm	79608-003	RTB8H409T1023C	KS-136			
40' Single 12' Arm	79608-004	RTB8H409T1223C	KS-136			
40' Single 15' Arm	79608-005	RTB8H409T1523C	KS-136			
40' Twin 8' Arm	79788-006	RTB0H409AS2823C	KS-157 (rev.)			
40' Twin 12' Arm	80061-002	RTB0H409AT2223C	KS-137			
40' Twin 15' Arm	80061-003	RTB0H409AT2523C	KS-137			
STRANDED COPPER WIRE						
#6 AWG USE	Essex	General Cable	Senator	Southwire	Tamaqua	Triangle
#4 AWG USE	Essex	General Cable	Senator	Southwire	Tamaqua	Triangle
#2 AWG USE	Essex	General Cable	Senator	Southwire	Tamaqua	Triangle
2c #12 AWG	Essex	General Cable	Senator	Southwire		Triangle
SOLID COPPER WIRE						
#4 & #6 AWG Bare	Alan Wire	Essex	Rome Cable			
FUSES	Buss	Ferrule	Gould Shawmut			
All Others: 8-Amp	KTK	KTK	ATM			
FUSE CONNECTORS w/Boots		Buchanan				
Line/Load		65U				
Ground		20U				
MULTI-TAP CONNECTOR	Connector Mfrg.	Fargo				
	SLK-112	GO-32				
GROUND ROD	Apache	ITT Blackburn	Knight Copperbond			
½ x 10	GR1210	5110				
5/8 x 10		6260				
¾ x 10		7510	1034			

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GROUND ROD CLAMP	ITT Blackburn					
½ inch	JAB12H					
5/8 inch	JAB58H					
¾ inch	JAB34H					
SCHEDULE 40 PVC CONDUIT & ASSEMBLIES						
1, 1.5, 2, 3, & 4 Inch	Cantex	Carlton	Triangle			
SCHEDULE 80 PVC CONDUIT & ASSEMBLIES						
1, 1.5, 2, 3, & 4 Inch	Cantex	Carlton	Triangle			
SCHEDULE 40 HDPE CONDUIT & ASSEMBLIES						
1, 1.5, 2, 3, & 4 Inch	Amerplast, Inc.	Dura-Line Corp. Silicore (Smooth Wall)	PNA HDP Petroduct (Smooth Wall)	Tamaqua		
SCHEDULE 80 HDPE CONDUIT & ASSEMBLIES						
1, 1.5, 2, 3, & 4 Inch	Amerplast, Inc.	Dura-Line Corp. Silicore (Smooth Wall)	PNA HDP Petroduct (Smooth Wall)	Tamaqua		
JUNCTION BOXES	Armorcast	CDR	Quazite			
12x12 Box		B34-1212-12	PC1212BA12			
12x12 Lid		C34-1212-02	PC1212HA0041			
12x12 Box & Lid	A6001423TAPC	A34-1212-12				
11x18 Box		B34-1118-12	PC1118BA12			
11x18 Lid		C34-1118-02	PC1118HA0041			
11x18 Box & Lid	A6001425TAPC	A34-1118-12				
SERVICE BOXES	Armorcast	CDR	Quazite	Newbasis		
24" Round Box	A60000182TA	B34-2700-36	PR2732BA36	FCV24003604		
Round Lid		C34-2700-02	PR2700HA0041	PCC240012D04		
Box & Lid	A60000183TA	A34-2700-36				
CABLE THEFT DEVICES	Chance	Pelco				
Type R Foundation	T112-0363-ATKC	SP-6224-GLV				
Type T1 Foundation	T112-0291-ATKC	SP-6200-GLV				
Type F1 Foundation	T112-0293-ATKC					
Type F2 Foundation	T112-0294-ATKC					

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CONTROL CENTER For Street Lighting	Millbank	Myers	Pacific Utility Products (PUP)			
	CP3B41115GA0502 9	MEUGLA-M100-SHW	USP-M100-112-SHW-ALUM			
PHOTOCELLS With Delay	Area Lighting					
	SST-IES					

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TRAFFIC SIGNAL:

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TRAFFIC SIGNAL VEHICLE HEADS						
	Eagle	Econolite	McCaine	Peek	3M	
3-Section Type A	SA103A1131YBB	TP31VJC2POHO		PSS83S300G		
3-Section Type B	SA103Q1131YBB			PSS83S300G ARROW MASKS		
4-Section Type Dd	SA104Z1131YBB-L	TP44VJC2POHO		PSS84S419G		
4-Section Type Ed	SA104Z1131YBB-R			PSS84S419G		
TRAFFIC SIGNAL PEDESTRIAN HEADS						
	Eagle	McCain	Peek/Mid-American			
2-Section Type P	SA302B1231YBB	Psxx6d	MPPS82S834P			
SIGNAL BACKPLATE						
	Eagle / Neodesha Plastics	Peek / Mid- American Signal				
3-Section	BP483PO	BP-3V				
4-Section	BP484PO	BP-4V				
5-Section	BP485PO	BP-5V				
MAST ARM MOUNTING BRACKET						
	Pelco					
3-Section	AB-0125-3					
4-Section	AB-0125-4					
5-Section	AB-0125-5					
SIGN BRACKET	Pelco					
	AB-0142-24					

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SIDE OF POLE MOUNTING BRACKET						
	Component Products	Gades	McCain			
Arms	TSP880	UKS1452Y	Clam Shell			
		PDM-405				
STRAP AND BUCKLES						
	Band-It					
Banding	005940 60119					
Buckles	005940 60123					
Sign Brackets	DO21					
LED KITS						
	GE	Dialight	Diolux	Duralight		
Red	DR6-RTFB-20A	433-1210-003	D12RA6	JXC300-HFR		
Amber	DR6-YTFB-20A	433-3230-001	D12YA6-T	JXC300-HFY		
Green	DR6-GCFB-20A	433-2271-001 (w/ Eagle) 433-2270-001A (w/ Peek)	D12GA6	JXC300-HFG		
Yellow Arrow		430-3334-001		JXJ300-07Y		
Green Arrow	D12GA7-4	430-2374-001		JXJ300-07G		
Bi-Modal Green/ Yellow Arrow	DR6-ECA6-01A	430-6370		JXJ-300VIYGA		
Countdown Display	PS6-PFD1-26A	430-7773-001X				
SERVICE BOXES						
	Armorcast	CDR	Quazite	Newbasis		
27" Round Box		B34-2700-36	PR2732BA36	FCV24003604		
Round Lid		SC34-2700-02	PR2700HA0046	PCC240015D04		
Box and Lid		SA34-2700-36				

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JUNCTION BOXES						
	Armorcast	CDR	Newbasis	Quazite		
12x12 Box		B34-1212-12	PCB121212A04	PC1212BA12		
12x12 Lid		SC34-1212-02	PCC121215A04	PC1212HA0046		
12x12 Box & Lid	A6001423TAPC	SA34-1212-12				
GROUND RODS						
	ITT-Blackburn					
1/2X10	5110					
5/8X10	6260					
3/4X10	7510					
GROUND ROD CLAMPS						
	ITT-Blackburn					
1/2"	JAB12H					
5/8"	JAB58H					
3/4"	JAB34H					
CABINET	McCain Traffic	PSI / Phillips	Safetran			
332	332-B	332-B	332-B			
333SD	333-SD	333-SD	333-SD			
336	336-A	336-A	336-A			
SURGE PROTECTOR						
	EDCO					
Arrestor	SHA-1250					
CONTROLLER						
	Econolite					
	ASC3					

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PROM BOARD						
	Eagle	Safetran				
	412C	412C				
TRAFFIC SIGNAL SOFTWARE						
	Econolite					
Firmware	ASC3					
CONFLICT MONITOR with 1.5 second Watch Dog Trip						
	Reno					
	2018					
GENERATOR RECEPTACLE OUTLET						
	Hubbell					
332	HBL360P4W					
DC ISOLATOR –						
	GDI	PDC	TSC			
242	DIM242	DCI-82	242			
FLASHER –						
	EDI / Eberle Design	PDC	TSC	Reno		
204	EDI 810	SSF-86 or SSF-88	204	FL-200		
LOAD SWITCH						
	EDI / Eberle Design	PDC	TSC	Reno		
200	EDI 510	SSS-86 or SSS-88	200	LS-200		
FLASH TRANSFER RELAY						
	Magnecraft	Reno				
430	W21ACPX-2	TR-200				

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LOOP DETECTORS						
	3M-CANOGA	EDI / Eberle Design	Reno			
	822	LM612	C1100			
OPTICOM						
	3-M	Pelco				
Detector	721					
2-Way Detector	722					
4-Channel Phase Selector	754					
Discriminator / Phase Selector	752					
Detector Cable	138					
Bracket W/ Cable		AB-0132				
SIGNAL CONTROLLER SERVICE ENCLOSURE						
	Myers	Pacific Utility Products (PUP)				
With Street Lights	MET3-VLM-LTS					
FIBER MODEM						
	Traffic Fiber Systems					
Internal	FO400					
External	FO212					

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LOOP SEALANT						
	Bondo	Crafco	3-M			
Asphalt		221-34221	Black 5000			
Concrete	E-708-CP	221-34221	Black 5000			
PEDESTRIAN PUSH BUTTON						
	Teeco	Polara				
ADA SPECS	T-1265, Type HC2-ADA	BPLM2-X				
PEDESTRIAN POLE ASSEMBLY						
	Component Products	Gades Sales Co.	Pelco			
Pole, Base, Anchor Bolts, Pole Cap						
SIGNAL CABLE						
	3M Canoga	BSCC	Belden	James Monroe	ICC	
2-Conductor (IMSA 19-1)			601457			
5-Conductor (IMSA 19-1)			601204			
7-Conductor (IMSA 19-1)			601205			
4c Lead-In Cable	30003					
Loop Wire (IMSA 51-5)		931401	580206		580206	
LED OVERHEAD STREET NAME SIGNS						
Signs	National	Edge-Lit	Temple			

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SIGNAL POLES AND MAST ARMS					
		TransAmerican	Union Metal	Valmont	
Drawing No.		STD-01 REV A		DB-00198 REV D	
RADAR DETECTION SYSTEM					
	Wavetronics				
Sensor Unit, Surge Protection, Data Converter, Closure and Harness/Cable for Complete System					

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PAVEMENT MARKINGS:

ITEM	MANUFACTURER (W/item #)	MANUFACTURER (W/item #)	MANUFACTURER (W/item #)	MANUFACTURER (W/item #)	MANUFACTURER (W/item #)	MANUFACTURER (W/item #)
Spray Thermoplastic	Cataphote	Ennis	SWARCO			
	KS White Alkyd TO KS Leaded Yellow- Alkyd TO	Thinline W5E5GTTH Thinline Y5E5GTTH	Alkyd Thinline White Alkyd Thinline Yellow			
Preformed Thermoplastic	Avery Denison	Ennis Paints	Flint	Lafarge Road Markings		
	Pavement White Pavement Yellow	Pre-Mark White Pre-Mark Yellow Pre-Mark 20/20 Flex-plus white Pre-Mark 20/20 Flex-plus Yellow	120 Mil White Flametape 120 Mil Yellow Flametape	Thermaline White Thermaline Yellow		
Thermoplastic	Brite-Line Industries	Cataphote	Crown Technology	Ennis Paints	Lafarge Road Marking	Swarco
Asphalt Only	3030-WE-KS White 3030-YE-KS Yellow	31101160 White KS Leaded Yellow Alkyd 31101164 White 31201164 Yellow	16-WAX-BADA White 16-YAX-ACDA Yellow	W5E-5GX-KS Y2E-5GX-KS	TEKESAL W01 WHITE TEKSAL Y02 YELLOW	Swarcotherm White Swarcotherm Yellow Swarcolux White Swarcolux Yellow
Asphalt and Concrete	Catatherm White 31101162 Catatherm Yellow 31201162	W5E-5GX-1K Y2E-5GX-1K				
Glass Beads	Cataphote	Flex-O-Lite	Potter Industries	Swarco		

SIGN AND SIGN POST MATERIAL:

ITEM	MANUFACTURER (W/item #)	MANUFACTURER (W/item #)	MANUFACTURER (W/item #)	MANUFACTURER (W/item #)	MANUFACTURER (W/item #)	MANUFACTURER (W/item #)
Sign Sheeting	Avery Dennison	3M				
	Prismatic Fluorescent	High Intensity Grade, Diamond Grade, VIP Grade				
Sign Posts	TeleSpar					
Post	1 3/4" x 1 3/4" 14 gauge					
Base	2" x 2" x 3' 12 gauge					
Sleeve	2 1/4" x 2 1/4" x 18" 12 gauge					