



CITY OF TULSA TRAFFIC OPERATIONS DIVISION
APPROVED PRODUCTS LIST

July 2025

COT SPEC #	DESCRIPTION	MANUFACTURER	MODEL NAME	MODEL NUMBER	APPROVAL STATUS	NOTES
SIGNALS						
Underground Infrastructure						
601	<u>Type I Pull Boxes</u>	Synertech Synertech	S Series Lid - "Traffic Signal" or "Highway Lighting"	S1118B18FA Duo Box 11x18-18" S1118HBBOA	Approved 2-20-2013 Approved 2-20-2013	Lid text shall match intended use.
		Synertech Synertech	S Series Lid - "Traffic Signal" or "Highway Lighting"	S1324B18FA Duo Box 13x24-18" S1324HBBOA13-HD	Approved 2-20-2013 Approved 2-20-2013	Lid text shall match intended use.
		Strongwall/Quazite Strongwall/Quazite	"PG" Style Lid - "Traffic Signal" or "Highway Lighting"	PG1118BA18 PG1118HA00	Approved 2-20-2013 Approved 2-20-2013	Lid label shall match intended use.
		Pencell	DT with polymer concrete ring	DT-2-1118PC	Approved 7-29-2015	Conditionally approved pending update of part number to indicate concrete not HDPE ring.
		IRBY/Old Castle	Old Castle, Pull Box	13242565	Approved 7-16-2020	Pull box and lid, 11X18X18
		Hubbell Quazite	Pull Box Lid	PG1324, PG2436	Approved 7-16-2020	Polymar concrete underground boxes/lid
		Duralite/Oldcastle	Duralite pullboxes - verious sizes	11182590, 13242565, 17302590, 24362076	Approved 1-20-2021	Box sizes - 11*18, 13*24, 17*30, 24*36
		Duralite/Oldcastle Synertech	Duralite pullbox lids - verious sizes Lid - "Traffic Signal" or "Highway Lighting"	11184512, 13244622, 17304402, 24364222 S1730HBBOA13-HD	Approved 1-20-2021 Approved 2-20-2013	Lid sizes - 11*18, 13*24, 17*30, 24*36 Lid label shall match intended use.
		Strongwall/Quazite Strongwall/Quazite	"PG" Style Lid - "Traffic Signal" or "Highway Lighting"	PG1730BA24 PG1730HA00	Approved 2-20-2013 Approved 2-20-2013	Lid label shall match intended use.
		Pencell IRBY/Old Castle	DT with polymer concrete ring Old Castle, Pull Box	DT-2-1118PC 13242565	Approved 7-29-2015 Approved 01-16-2020	Conditionally approved pending update of part number to indicate concrete not HDPE ring. Pull box and lid, 17X30X24
601	<u>Type III Pull Boxes</u>	Synertech Synertech	S Series Lid - "Traffic Signal" or "Highway Lighting"	S2436B24FA Duo Box 24x36-24" S2436HCBOA13-HD	Approved 2-20-2013 Approved 2-20-2013	Lid label shall match intended use.
		Strongwall/Quazite Strongwall/Quazite	"PG" Style Lid - "Traffic Signal" or "Highway Lighting"	PG2436BA24 PG2436HA00	Approved 2-20-2013 Approved 2-20-2013	Lid label shall match intended use.
		Pencell	DT with polymer concrete ring	DT-2-1118PC	Approved 1-25-2017	Need updated part number. Must have concrete ring not HDPE.
		IRBY/Old Castle	Old Castle, Pull Box	13242565	Approved 01-16-2020	Pull box and lid, 24X36X24
602	<u>Couplings (HDPE to PVC Connectors)</u>	Etco	ELOC	EL-**** (* = Size)	Approved 2-20-2013	
604	<u>Water Proof Connection Twist Connects</u>	King Innovation Ideal	Dryconn Underground Wire Connector	#10444 #30-260 and #30-264	Approved 2-20-2013 Approved 2-20-2013	Loop/Lead-in Connections, Connections made in pullboxes
	<u>Cable - Signals</u>	Advanced Digital Cable	IMSA Signals cable	8205, 8207, 8209, 8215, 8220, 8221, 8780	Approved 7-16-2020	IMSA Signals cable spec 20-1, solid bare copper w/ PG Insulation
	<u>Loop Detection Sealant</u>	RAI Products	RAI Products	ProSeal 6006 Loop Sealant	Approved 01/24/2024	This is replacing the sealant that we currently use.
Poles						
617	<u>Poles With Mastarms</u>	Pelco Structural & Steel NOV Ameron Pole Products Ameron Pole Products	Multisided - Galvanized Multisided - Galvanized Galvanized Hot Dip Galvanized	1R**, 2B**, 3G**, 4Y**, or 5W** (** = Size of Mast Arm) 1R**, 2B**, 3G**, 4Y**, or 5W** (** = Size of Mast Arm) 1R**, 2B**, 3G**, 4Y**, or 5W** (** = Size of Mast Arm) 1R**, 2B**, 3G**, 4Y**, or 5W** (** = Size of Mast Arm)	Approved 2-20-2013 Approved 7-2-2014 Approved 1-25-2017 Approved 7-23-2025	Specification shall be updated to allow round or multi-sided poles
		Pelco Structural & Steel	Multisided - Galvanized Multisided - Galvanized	1RE, 2BE, 3GE, 4YE, or 5WE 1RE, 2BE, 3GE, 4YE, or 5WE	Approved 2-20-2013 Approved 7-2-2014	



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COT	NOV Ameron Pole Products	Galvanized	1RE, 2BE, 3GE, 4YE, or 5WE	APPROVAL Approved 1-25-2017	Specification shall be updated to allow round or multi-sided poles
617 Pedestal Poles	Pelco	4" Sch-40 Spun Aluminum	PB-5100-5'-PNC	Approved 2-20-2013	For pushbutton poles
617	Pelco	4" Sch-40 Spun Aluminum	PB-5100-10'-PNC	Approved 2-20-2013	For vehicle and pedestrian signal poles
617	Pelco	4" Sch-40 Spun Aluminum	PB-5100-13'-PNC	Approved 2-20-2013	For school signal flasher poles
617	Frey Manufacturing	AASHTO MASH CP6 Series	CP6ACT4840TCSS	Approved 7-14-2021	NOTE: Cannot be taller than 10 Feet.
617 Pedestal Pole Caps	Pelco	4" Dome Type Aluminum	PB-5402-PNC	Approved 2-20-2013	For all 4" poles
617 Bases	Pelco	Octagon Base Assembly Aluminum	PB-5349-GL-PNC	Approved 2-20-2013	For all 4" poles
617 Pole & Base Collars	Pelco	4" Pole & Base Collar	PB-5326-PNC	Approved 2-20-2013	For all 4" poles
617 Pole Mount Sign Clamps	Pelco	4" U-Bolt Sign Clamp	SH-0206-4.5-PNC	Approved 2-20-2013	For mounting signs on 4" poles
617 Pole Mount Sign Clamps	PermaBrand	Stainless steel banding sign Clamp	PMB 201, 205, 256, 2150	Approved 1-16-2020	For mounting signs, signals equipment and other use.
617 Pole Mount Confirmation Light	Pelco	Confirmation Light Assembly with Globe	SM-0284-CL-PNC	Approved 2-20-2013	For 4" Pole Mounted Confirmation Lights (6' cable required)
	Pelco	Mounting Hub 1-1/2" NPS, 4-1/2" OD Pole	SE-0384-PNC	Approved 2-20-2013	For 4" Pole Mounted Confirmation Lights
617 Powder Coat & Paint	Pelco	Dark Brown Powder Coat	P-69	Approved 2-20-2013	Used downtown
	Pelco	Black Powder Coat	P-33	Approved 2-20-2013	Gloss black
	Sherwin Williams	Metalatex Semi-Gloss	B42T104	Approved 2-20-2013	Traffic bronze - used downtown for items where powder coating is unavailable
615 Base Covers	Pelco			Approved 2-20-2013	To fit COT standard poles
Pre-emption					
606 Detectors	Global Traffic Tech. (GTT)	Opticom 700 Series Infrared Detector	Model 711	Approved 2-20-2013	
	Global Traffic Tech. (GTT)	Opticom 700 Series Infrared Detector	Model 721	Approved 2-20-2013	
	Global Traffic Tech. (GTT)	Opticom 700 Series Infrared Detector	Model 722	Approved 2-20-2013	
606 Phase Selectors	Global Traffic Tech. (GTT)	Opticom 700 Series Infrared and GPS	Model 764	Approved 2-20-2013	For infrared and GPS locations with a 332 cabinet
	Global Traffic Tech. (GTT)	Opticom 700 Series Infrared	Model 762	Revised 12-4-2013	For infrared locations with a 336 cabinet
606 Interface Panels	Global Traffic Tech. (GTT)	Opticom 700 Series Aux. Panel	Model 768	Approved 2-20-2013	For 332 or 336 cabinets green sense connections to a model 762 or 764 phase selector
606 Emitters	Global Traffic Tech. (GTT)	Opticom 700 Series	Model 792H	Approved 2-20-2013	
606 Pre-emption Cable	Global Traffic Tech. (GTT)	Opticom 700 Series	Model 739	Approved 2-20-2013	
606 Clamps	Pelco	Mini-Brac, Cable Mount	AB-0163-62-SS-PNC	Approved 2-20-2013	
Power					
607 Pedestal Power Supply Base	Eaton Cutler Hammer		CHPADEXT	Approved 2-20-2013	For concrete pedestal mount power outlet panels
607 Pedestal Power Supply	Eaton Cutler Hammer	Unmetered Pedestal Type	CHU4N7NP and CHPADEXT	Approved 2-20-2013	Without meter can
	Tesco Controls, Inc.	Slimline Pedestal Series	26-000 Wired to COT Spec.	Approved 2-20-2013	120 Volt AEP approved meter socket wiring
607 Disconnects	General Electric	240V, 125A, 4-Circuit, 1PH, 3R	TL412R1	Approved 2-20-2013	
	Cutler Hammer	120/240V, 125A, 4-Circuit, 1PH	CH4L125RP	Approved 2-20-2013	
Conduit - Metal	Allied	Electrical Rigid Metal Galv Conduit	1/2, 3/4, 1, 1-1/4, 1-1/2, 2, 2-1/2, 3, 3-1/2, 4, 5, 6	Approved 7-16-2020	Electrical Rigid Metal Galv Conduit - various sizes
Conduit - PVC	Allied	Electrical PVC Sch 40 Conduit	1/2, 3/4, 1, 1-1/4, 1-1/2, 2, 2-1/2, 3, 3-1/2, 4, 5, 7	Approved 7-16-2020	Electrical PVC Schedule 40 Conduit - various sizes
Cabinet Equipment					
SPECIAL ATC Controllers	Econolite	Cobalt	Rack-Mount and Shelf-Mount	Approved 1-27-2016	



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COT				APPROVAL		
610	Conflict Monitors	Eberle Design Eberle Design	210 Series 210 Series	210E 210ECL	Approved 2-20-2013 Approved 2-20-2013 Updated 1-27-2016	For maintenance only - not for new construction. With EIA - 232 Communications Port. Of the conflict monitors currently on the list only the EDI 210ECL shall be allowed on any new construction projects.
610	Mechanical Lugs	Morris	Aluminum Mechanical Lug - AML6	No. 90712	Approved 7-17-2013	6 Str. - 14 Sol.
<i>332 Cabinets</i>						
610	332 Cabinets	McCain PSI IDC Econolite/Safetran	332 Cabinet Assembly	M34994-SC STCAB2579	Updated 1-28-2015 Approved 2-20-2013 Approved 2-20-2013 Approved 2-20-2013	332, Tulsa, P/COAT, Anti Graf, Gray Outside, White Inside
610	332 Stretch Cabinets	McCain Econolite/Safetran	332S Stretch Cabinet Assembly	M36143-SC STCAB2580	Approved 1-28-2015 Approved 1-28-2015	332S, Tulsa, (78") P/COAT, Anti Graf, Gray Outside, White Inside
610	Suppressors	Innovative Technologies		HS-P SP-120-60A-RJ AC	Approved 2-20-2013	
610	Pedestrian Isolator Cards	GDI PDC IDC	DC Isolator Card DC Isolator Card DC Isolator Card	Model 242 Model 242 Model 242	Approved 2-20-2013 Approved 2-20-2013 Approved 2-20-2013	
610	Snubbers	General Electric Panasonic	General Electric Capacitor Panasonic Film Capacitor	GE 42L1151 ECQ-E2155KB3	Approved 2-20-2013 Approved 2-20-2013	800VDC, 1.5 uF, + or - 5% 250VDC, 1.5 uF, + or - 10%
610	Surrestors	Emerson	Edco SRA	SAR 6-LCBLL	Approved 2-20-2013	
610	Cabinet Rack Shelves	Chatsworth Products, Inc. Chatsworth Products, Inc.	Small Peripheral Shelf 2U Standard Single-Sided Steel Shelf 3U	10758-701 40750-719	Approved 2-20-2013 Approved 2-20-2013	17.35" Wide X 9.82" Deep, ADA Pushbutton Controllers, 768 AIP Opticom, All 332 Cabinets 17.25" Wide X 14.75" Deep, 332 Stretch Cabinets Only, For Communications Equipment
<i>336 Cabinets</i>						
610	336 Cabinets	McCain PSI IDC Econolite/Safetran			Approved 2-20-2013 Approved 2-20-2013 Approved 2-20-2013 Approved 2-20-2013	
610	336G Cabinets	McCain			Approved 2-20-2013	For junction cabinets only
610	Suppressors	Innovative Technologies		HS-P SP-120-30A-RJ AC	Approved 2-20-2013	
610	Pedestrian Isolator Cards	GDI PDC IDC	DC Isolator Card DC Isolator Card DC Isolator Card	Model 242 Model 242 Model 242	Approved 2-20-2013 Approved 2-20-2013 Approved 2-20-2013	
610	Snubbers	General Electric Panasonic	General Electric Capacitor Panasonic Film Capacitor	GE 42L1151 ECQ-E2155KB3	Approved 2-20-2013 Approved 2-20-2013	800VDC, 1.5 uF, + or - 5% 250VDC, 1.5 uF, + or - 10%
610	Surrestors	Emerson	Edco SRA	SAR 6-LCBLL	Approved 2-20-2013	
<i>ITS Cabinets</i>						
Pedestrian Push Button Systems						
613	Audible Pushbuttons	Polara Polara	Navigator APS - EZ Communicator System EN2 - EZ Comm. Nav. 2 Wire PB Station	EN29CB0-PY or EN29CB1-PY	Approved 2-20-2013 Approved 2-20-2013	Navigator System Only Navigator System Only
		Pelco	APS Assy, Intelli-Cross	SE-2900-PXX (std. config.); SE-2901-PXX (custom config.)	Approved 1-25-2017	w/single arrow, for 5"X7-3/4" sign, alum, federal yellow



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COT	Audible Pushbutton Controller(s) Audible Pushbutton Station	Polara Polara	iNtelligent Central Control Unit Card iNavigator 2-Wire Push Button Station	ICCU-C2, ICCU-S2 iNS 2	APPROVAL Approved 7-16-2020 Approved 7-16-2020	Polara PB Controller - iNtelligent Central Control Unit Rack Mount and Shelf Mount Polara - iNavigator 2-Wire Push Button Station
613	<u>Audible Pushbutton Sign Adapters</u>	Polara	Push Button Frame Adapter, 9"X12"	PBFA9X12-Y	Approved 2-20-2013	Navigator System Only
613	<u>Audible Pushbutton Mounting Adapters</u>	Polara	2- 9"X12" Navigators on a 4" Pole	NPA4X2-Y	Approved 2-20-2013	4" Pushbutton Pole and Navigator System Only
613	<u>Non-Audible Pushbuttons</u>	Campbell Campbell Pelco Polara	4EVR 4EVR ADA Push Button Assembly Bulldog III	DCC 4 EVR C2 OVAL - TA - Yellow 4EVR C Round TA - Yellow SE-2039-1-P29 or SE-2039-1-P33 BDL3AU-Y	Approved 2-20-2013 Approved 2-20-2013 Approved 2-20-2013 Approved 2-20-2013	Only use at locations with a 242 or 244 Ped Isolator Card Only use at locations with a 242 or 244 Ped Isolator Card All locations Only use at locations with a 242 or 244 Ped Isolator Card
613	<u>Non-Audible Pushbutton Mounting Assemblies</u>	Campbell Pelco Polara	Button Caps ADA Push Button Body Assembly Aluminum Push Button Cup	3" SR LP - Yellow SE-2140-1-P29 or SE-2140-1-P33 APBC-Y	Approved 2-20-2013 Approved 2-20-2013 Approved 2-20-2013	Use with Campbell Pushbuttons Only Use with Pelco Pushbuttons Only Use with Polara Pushbuttons Only
614	Signal Heads <u>Vehicle Heads</u>	Siemens Siemens Siemens Peek Peek Peek	Eagle Polycarbonate 1 sec Yellow Head Eagle Polycarbonate 3 sec Yellow Head Eagle Polycarbonate 5 sec Yellow Head TCT Polycarbonate 1 sec Yellow Head TCT Polycarbonate 3 sec Yellow Head TCT Polycarbonate 5 sec Yellow Head	SA 101B 1C01 YYY 10 SA 103A 1C01 YYY 30 SA 105H 1C01 YYY 50 PSS81B001FO PSS83B003FO PSS85B005FO	Approved 2-20-2013 Approved 2-20-2013 Approved 2-20-2013 Approved 2-20-2013 Approved 2-20-2013 Approved 2-20-2013	COT #37 Heads COT #25, 36, 54L, 54R, 54L-L, and 54R-L Heads COT #64L & 64R Heads COT #37 Heads COT #25, 36, 54L, 54R, 54L-L, and 54R-L Heads COT #64L & 64R Heads
614	<u>Vehicle Head Visors</u>	Siemens Peek	Eagle Yellow Tunnel Visor TCT Yellow Tunnel Visor	A700120XX 0700493B	Approved 2-20-2013 Approved 2-20-2013	For 12" vehicle heads For 12" vehicle heads
614	<u>Vehicle Backplates</u>	Gades Sales Gades Sales Siglan head louvered back palet Signal head louvered aluminum backpalet	12" Louvered Doghouse Aluminum Backplate 12" Louvered 3-section Aluminum Backplate backplate, aluminum louvered backplate, aluminum louvered	BP485DHAL-P BP483AL-P 5330X, 5332X, 5333X, 7386X BP-48X-A-X-T T=With 2" reflective tape	Approved 12-4-2013 Approved 12-4-2013 Approved 7-16-2020 Approved 1-20-2021	COT #64L & 64R Heads, w/2" retro-reflective border COT #25, 36, 54L, 54R, 54L-L, and 54R-L Heads, w/2" retro-reflective border Vehicle signal backplate, aluminum louvered w/2" retro-reflective border Vehicle signal backplate, aluminum louvered w/2" retro-reflective border
614 & 616	<u>Vehicle Head Mounts</u>	Pelco Pelco Pelco Pelco Pelco Pelco Pelco	3-Section Clamp Mount 3-Section Clamp Mount 5-Section Clamp Mount 5-Section Clamp Mount 2-1 Section Clamp Mount 1-3 Section Post Top Mount 2-3 Section Post Top Mount	AS-0125-3-62-SS-PNC AS-0125-3-84-SS-PNC AS-0138-62-SS-PNC AS-0138-84-SS-PNC AS-0188-1-62-SS-PNC SE-3013-3-PNC SE-3048-3-PNC	Approved 2-20-2013 Approved 2-20-2013 Approved 2-20-2013 Approved 2-20-2013 Approved 2-20-2013 Approved 2-20-2013 Approved 2-20-2013	COT #25, 36, 54L, 54R, 54L-L, and 54R-L Heads, Varies by MA Size COT #25, 36, 54L, 54R, 54L-L, and 54R-L Heads, Varies by MA Size COT #64L & 64R Heads, Varies by MA Size COT #64L & 64R Heads, Varies by MA Size All flasher locations All 1-Way Post Top 3-Section Vehicle Heads, COT #36 All 2-Way Post Top 3-Section Vehicle Heads, COT #36
614	<u>Vehicle Head Mounted Confirmation Lights</u>	Pelco Pelco	Confirmation Light Assembly with Globe Mounting Hub 1-1/2" NPS 4-1/2" OD Pole	SM-0284-CL-PNC SE-0384-PNC	Approved 2-20-2013 Approved 2-20-2013	All vehicle head mounted confirmation lights All vehicle head mounted confirmation lights
614	<u>Vehicle LED Ball Indications</u>	General Electric General Electric General Electric Dialight Dialight Dialight	RX11 LED Signal Modules RX11 LED Signal Modules RX11 LED Signal Modules ITE, Caltrans Approved ITE, Caltrans Approved ITE, Caltrans Approved	DR6-RTFB-VLA DR6-YTFB-VLA DR6-GTFB-VLA 433-1210-003XL 433-3230-901XL 433-2220-001XL	Approved 2-20-2013 Approved 2-20-2013 Approved 2-20-2013 Approved 2-20-2013 Approved 2-20-2013 Approved 2-20-2013	All red ball indications All yellow ball indications All green ball indications All red ball indications All yellow ball indications All green ball indications



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COT		Duralight Duralight Duralight	JXC - 300HF Series JXC - 300HF Series JXC - 300HF Series	JXC300-HFTR03 JXC300-HFTY03 JXC300-HFTG03	Approved 2-20-2013 Approved 2-20-2013 Approved 2-20-2013	All red ball indications All yellow ball indications All green ball indications
		Leotec	IL6 Ball	TSL-12R-LX-IL6-A1-P3	Approved 2-20-2013 Updated 10-1-14	All red ball indications
		Leotec	IL6 Ball	TSL-12Y-LX-IL6-A1-P3	Approved 2-20-2013 Updated 10-1-14	All yellow ball indications
		Leotec	IL6 Ball	TSL-12G-LX-IL6-A1-P3	Approved 2-20-2013 Updated 10-1-14	All green ball indications
		GE GE GE	GTX City VLA Model LED Signal Modules 12" GTX City VLA Model LED Signal Modules 12" GTX City VLA Model LED Signal Modules 12"	DR6-RCFB-VLA 12" red ball LED, clear lens DR6-YCFB-VLA 12" yellow ball LED, clear lens DR6-GCFB-VLA 12" green ball LED, clear lens	Approved 1-27-2016 Approved 1-27-2016 Approved 1-27-2016	All red ball indications All yellow ball indications All green ball indications
614	Vehicle LED Arrow Indications	General Electric General Electric General Electric	GT1 LED Arrow Signals GT1 LED Arrow Signals GT1 LED Arrow Signals	DR6-RTAAN-17A DR6-YTAAN-17A DR6-GTAAN-17A	Approved 2-20-2013 Approved 2-20-2013 Approved 2-20-2013	All red arrow indications All yellow arrow indications All green arrow indications
		Dialight Dialight Dialight	ITE, Caltrans Approved ITE, Caltrans Approved ITE, Caltrans Approved	433-1314-001X0D 433-3334-001X0D 433-2324-001X0D	Approved 2-20-2013 Approved 2-20-2013 Approved 2-20-2013	All red arrow indications All yellow arrow indications All green arrow indications
		Duralight Duralight Duralight	JXJ300-07 Series JXJ300-07 Series JXJ300-07 Series	JXJ300-07R03 JXJ300-07Y03 JXJ300-07G03	Approved 2-20-2013 Approved 2-20-2013 Approved 2-20-2013	All red arrow indications All yellow arrow indications All green arrow indications
		Leotec Leotec Leotec	IL6 Arrow IL6 Arrow IL6 Arrow	TSL-12RA-IL6-A1 TSL-12YA-IL6-A1 TSL-12GA-IL6-A1	Approved 2-20-2013 Approved 2-20-2013 Approved 2-20-2013	All red arrow indications All yellow arrow indications All green arrow indications
		GE GE GE	GT1 LED Arrow Signal Modules 12" GT1 LED Arrow Signal Modules 12" GT1 LED Arrow Signal Modules 12"	DR6-RCAAN-17A 12" red arrow LED, clear lens DR6-YCAAN-17AYX 12" yellow arrow LED, clear lens DR6-GCAAN-17A 12" green arrow LED, clear lens	Approved 1-27-2016 Approved 1-27-2016 Approved 1-27-2016	All red arrow indications All yellow arrow indications All green arrow indications
614	<u>Pedestrian Heads</u>	Peek Eagle	Aluminum Pedestrian Head 16-inch Pedestrian Signal Head	4302AFB SG7 Series	Approved 2-20-2013 Approved 1-27-2016	Black, Clamshell, Z Crate Visor Black, Clamshell, Egg Crate Visor
614	<u>Pedestrian Indications</u>	GE Dialight Duralight Leotek	GTX City LED Countdown Ped Signal 16 X 18-inch Uniform Appearance Countdown Signal JXM - 300/400VIE Series Countdown CIL, CD Series Countdown Signal	PS7-CFF1-VLA 430-6479-001X JXM-400VEIL TSL-PED-16-CIL-P1	Approved 2-20-2013 Updated 1-27-2016 Approved 2-20-2013 Approved 2-20-2013 Approved 2-20-2013	
616	Brackets <u>Mast Arm Brackets</u>	Pelco Pelco	Astrobrac Stellar Astrobrac Stellar	AS-3009-62-SS-PNC AS-3009-84-SS-PNC	Approved 2-20-2013 Approved 2-20-2013	
616	<u>Mast Arm Clamps</u>	Pelco	Astrobrac Stellar	AS-3010-PNC	Approved 2-20-2013	Tenon Mount
616	<u>Horizontal Sign Clamps</u>	Pelco	Astrobrac Stellar	AS-0144-CTC-62"-SS-PNC or AS-0144-CTC-84"-SS-PNC	Approved 2-20-2013	Overhead street name sign
616	<u>Vertical Sign Clamps</u>	Pelco	Astrobrac Stellar	AS-0142-CTC-62"-SS-PNC or AS-0142-CTC-84"-SS-PNC	Approved 2-20-2013	All 12X12 to 36X36 mast arm mounted signs
604	Detection <u>Loop Detectors</u> <u>Loop Detectors</u>	Reno A&E Reno A&E	Shelf Mounted Detector Rack Mounted Detector	T-110 Series 222S Series	Approved 2-20-2013 Approved 2-20-2013	



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604	Loop Wire	Reno A&E	LW-116-S	381-1601-01	Approved 2-20-2013	Single Conductor, Double Jacketed Loop Wire
604	Loop Lead-In Cable	Reno A&E	LW-216-HD	380-0202-03	Approved 2-20-2013	Two Conductor, Double Jacketed Lead-In Cable
	Video Detection Video Detection	Econolite Econolite	Autoscope Autoscope	RackVision Terra AVISIONSYS	Approved 10-1-2014 Approved 1/16/2020	Autoscope Vision Camera Vehicle Detection System
	Video Detection	Iteris	Vantage Next Camera Vantage Next Platform	NEXT-CAM-PAK	Approved 01/24/2024	
	Video Detection	Iteris		NEXT-CCU-PAK	Approved 01/24/2024	
			Vantage Vector with Vantage Next			
	Hybrid Detection	Iteris		VECTOR-NEXT	Approved 01/24/2024	
	Radar Detection	Iteris	Vantage Next Platform Vantage Next Platform Vantage Radius Vantage Radius Vantage Radius Vantage Radius Vantage Radius	NEXT-DVP	Approved 01/24/2024	
	Radar Detection	Iteris		NEXT-SYSTEM-4	Approved 01/24/2024	
	Radar Detection	Iteris		RADPL-SENSOR-PAK	Approved 01/24/2024	
	Radar Detection	Iteris		RAD-CCU-PAK	Approved 01/24/2024	
	Radar Detection	Iteris		RAD-PROC	Approved 01/24/2024	
	Radar Detection	Iteris		RAD-SENSOR-PAK	Approved 01/24/2024	
	Radar Detection	Iteris		RAD-SYSTEM-4	Approved 01/24/2024	
620	Video Cameras	RDP SEC Iteris	CCD Camera Advanced	TC650ZD65 RZ-4	Revised 12-4-2013 Approved 1-28-15	Trafficon VIP 3.2 Video System - only used for replacements, not on new installs
620	Video Detection System	Iteris Iteris	Vantage Vector-Next	Vantage Next Camera Vantage Next Platform Vantage Next Shelfmount Platform	Approved 1-25-2022 Approved 1-28-15	Part # 4020120-01, This is an upgraded version of current item.
620	Video System Input/Output Module		Vantage Input/Output Module	Edge2-I032		
620	Video Cable	Isotech, Inc. Beldon Beldon Beldon Falcon Fine Wire Isotech, Inc.	18-5C/RG 59 - U Coax, Pwr, Zoom, Focus 5-18 AWG RG-59/U Coax, Pwr, Zoom, Focus Peek Coax Video Cable 2-Wire Power Cable 16/3 Soloterra 20 AWG Solid BC	X341667 - 00 YR520423 010 BLK 8281 3088A 970316TS I59TFCC-00	Approved 2-20-2013 Approved 2-20-2013 Approved 2-20-2013 Approved 2-20-2013 Approved 1-28-2015 Approved 1-28-2015	Trafficon VIP Video System Trafficon VIP 3.2 Video System Peek VideoTrak IQ Peek VideoTrak IQ Autoscope Soloterra Video System FLIR Video System
620	Video Filters	EDCO EDCO		CX06-BNCY CX06-M	Approved 2-20-2013 Approved 2-20-2013	
622	Wireless Point to Point Modules (PTP)	Cambium	450i Series	450i Series	Approved 2-20-2013	with AES
622	PTP Power Supplies	Cambium	450i Series	450i Series	Approved 2-20-2013	
622	Switches	Etherwan Etherwan Etherwan Kyland GDI Communications, LLC Dymec	Sicom 170 Rack Mounted Switch 3170 Series	EX71800 EX 96008 EtherTRAX9808 Sicom3170-2GX-GE-7T Ky-3170EM4	Approved 2-20-2013 Approved 2-20-2013 Approved 2-20-2013 Approved 2-20-2013 Approved 2-20-2013 Approved 7-16-2020	With UP0351E-12P 60L Power Supply With UP0351E-12P 60L Power Supply With UP0351E-12P 60L Power Supply DC 24V Input Power 6 X 4 Port, Managed, Gigabit Ethernet Switch - Low power
622	Communication Switch					
622	PTZ Cameras	Axis	PTZ Network Dome Camera	Q6032-E	Approved 7-17-2013	High-Speed Dome Camera with Progressive Scan and 35X Zoom



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622	<u>PTZ Cameras System</u>	WTI Viper	Sidewinder Viper Camera	SW720-H.264-HD30 Viper PTZ Camera	Approved 7-27-2016 Approved 1-25-2022	Conditionally approved pending the development of a full CCTV specification. Part # VS265-HD30L Camera only
622	<u>Cable</u>	Belden Superior Essex Superior Essex	Cat 5E 4-pair\24 AWG CASPIC-F, Cat 5E 6-pair\24 AWG CASPIC-F, Cat 5E 12-pair\24 AWG	7923A or 1300A (shielded) 04-092-94 04-094-94	Approved 2-20-2013 Approved 7-17-2013 Approved 7-17-2013	
622	<u>Universal Mount</u>	Motorola	Mounting Bracket	SMMB-1A	Approved 2-20-2013	Universal
Battery Backup						
623	<u>UPS Battery Backup System</u>	Econolite	ZincBlue2 UPS	ZincBlue2	Approved 01-16-2020	ZincFive UPS Battery Backup System
SIGN FLASHERS						
School Flashers						
All School Flashers						
SP	<u>RTC</u>	RTC Manufacturing	Cellular Radios w/ Guardian	AP22	Approved 2-20-2013	
SP	<u>Pole Mount Confirmation Light</u>	Pelco Pelco	Confirmation Light Assembly with Globe Mounting Hub 1-1/2" NPS, 4-1/2" OD Pole	SM-0284-CL-PNC SE-0384-PNC	Approved 2-20-2013 Approved 2-20-2013	For 4" Pole Mounted Confirmation Lights (6' Cable Required) For 4" Pole Mounted Confirmation Lights
SP	<u>Pole Mount Confirmation Light Bulbs</u>	The LED Light	12V LED Light Bulb	MR-PL-DC 12 Volt DC	Approved 12-4-2013	5000 K Daylight White, 12 Volt, 4 Watt
SP	<u>Signal Head Mount</u>	Pelco	Astro-Brac Stellar Clamp Kit Cable Mount	AS-3009-62-PNC	Approved 2-20-2013	Mounting Signal Heads to a 4" Pole
SP	<u>Bases</u>	Pelco	Octagonal Base Assembly Aluminum	PB-5349-GL-PNC	Approved 2-20-2013	For All 4" Poles
SP	<u>Pedestal Poles</u>	Pelco	4" Schedule 40 Spun Aluminum	PB-5100-13'-PNC	Approved 2-20-2013	For School Signal Flasher Poles
SP	<u>Pole & Base Collars</u>	Pelco	4" Pole & Base Collar	PB-5326-PNC	Approved 2-20-2013	For All 4" Poles
SP	<u>School Sign Mounting Hardware</u>	Pelco	U-Bolt Sign Clamp Assembly	SH-0206-4-PNC	Approved 2-20-2013	For 4" Pole Mounted Signs
SP	<u>Pedestal Pole Caps</u>	Pelco	4" Dome Type Aluminum	PB-5402-PNC	Approved 2-20-2013	For All 4" Poles, Drill Cap for Antenna Mount
School Flashers 120 Volt Equipment						
SP	<u>Flasher Cabinet and Equipment</u>	RTC Manufacturing	AC Powered Flasher Assembly	502507T Panel	Approved 2-20-2013	Cabinet Furnished with Wood Pole Banding Mount
		RTC Manufacturing	CPR Antenna 15' Minimum	503525A	Revised 12-4-2013	
	<u>School Zone Flasher Pole Setup- AC</u>	RTC Manufacturing	Guardian Series Guard, Guard1, Guard2, Guard AC1	Guardian Series School Clock Guard 1, Guard 2, Guard AC	Approved 01-16-2020	Guardian Series Guard, Guard1, Guard2, GuardAC1
		Pelco Pelco Pelco	U-Bolt Sign Clamp Assembly Mounting Hub 1-1/2" All Thread Nipple 1-1/2" Aluminum	SH-0206-4-PNC SE-0384-PNC SE-0309-02.13-PNC	Approved 2-20-2013 Approved 2-20-2013 Approved 2-20-2013	For Cabinet Installation on a 4" Aluminum Pole For Attaching 1-1/2 LB Fitting to a 4" Aluminum Pole For Attaching 1-1/2 LB Fitting to a 4" Aluminum Pole
School Flashers Solar Equipment						
SP	<u>Flasher Cabinet and Equipment</u>	RTC Manufacturing	Solar Powered Flasher Assembly	502598SW	Approved 2-20-2013	Cabinet Furnished with 2 - 4" Pole Mounts
		RTC Manufacturing	CPR Antenna 900 MHz Minimum 18'	503525A	Approved 2-20-2013	
		RTC Manufacturing	Antenna Bracket	500335E	Approved 2-20-2013	
	<u>School Zone Flasher Pole Setup- SOLAR</u>	RTC Manufacturing	Battery Hook-Up Kit	501242	Approved 2-20-2013	Guardian Series Guard, Guard1, Guard2, GuardAC1
		RTC Manufacturing	Guardian Series Guard, Guard1, Guard2, Guard AC1	Guardian Series School Clock Guard 1, Guard 2, Guard AC	Approved 01-16-2020	
	<u>School Zone Flasher Pole Setup - SOAR</u>	Carmanah	Solar Powered/AC School zone Flashing Beacon	R829-G	approved 01-16-2020	



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	Deka Gel Solar	Photovoltaic Battery 12V 97Ah C/20	8G30H	Approved 2-20-2013		
SP	<u>Solar Panel and Equipment</u>	Industrial Solar	40 Watt, 17.2 Volt, 2.32 Amps	Industrial Solar #IS-40J (RTC#503405CE)	Approved 2-20-2013	
		RTC Manufacturing RTC Manufacturing	Solar Panel Wiring Kit 4" Top of Pole Solar Panel Mount	5045805A	Approved 2-20-2013	
<i>School Clock Timer Controllers</i>						
	<u>School Clock Timer</u>	RTC Manufacturing	AP22 Timer Switch	AP22 Time Switch	Approved 01-16-2020	School clock timer unit
SP	<u>12 Volt Vehicle Ball Indications</u>	Leotek Leotek	IL3 Series RED IL3 Series YELLOW	TSL-12R-LX-IL3-B1 TSL-12Y-LX-IL3-B1	Approved 2-20-2013 Approved 2-20-2013	12 Volt Solar Locations Only 12 Volt Solar Locations Only
Sign Flashing Beacons						
629	<u>Flashing Beacons</u>	Carmanah	Solar or AC powered RRFB	R247-MX	Approved conditional 01/24/2024	This unit replaed the old R247-E Series. That LED Lights will not be used on or around the signs.
629	<u>Flashing Beacon</u>	Carmanah Traffic	RRFB Flashing Beacon	SC315-G	Approved 7-16-2020	Rectangular Rapid Flashing Beacon
629	<u>Rectangular Rapid Flashing Beacons</u>	Availled Technologies	AV-400 RRFB	Rectangular Rapid Flashing Beacon	Approved 07/26/2023	AV-400 RRFB - Solar Powered
RRFBs						
SP	<u>Rectangular Rapid Flashing Beacons</u>	Carmanah	Solar or AC powered RRFB	R920-MX	Approved conditional 01/24/2024	This unit replaed the old R920 Series. That LED Lights will not be used on or around the signs.
629	<u>Rectangular Rapid Flashing Beacons</u>	TAPCO	Solar Beacon, PB Activation	RRFB	Approved 1/20/2021	Must use a long life battery similar to Sealed Lead Acid (SLA). The control and battery box must be mounted high on the pole.
629	<u>Rectangular Rapid Flashing Beacons</u>	Availled Technologies	AV-400 RRFB	Rectangular Rapid Flashing Beacon	Approved 07/26/2023	AV-400 RRFB - Solar Powered
LIGHTING						
Highway Lighting						
621	<u>Transformer Bases</u>	Pelco	Breakaway Transformer Base	TB1-17 Aluminum	Approved 1-27-2016	
621	<u>Transformer Base Bonding Connection</u>	Bussman	Terminal Lug	LUG1-2, 2-Pole #6-300MCM CU/AL	Approved 1-27-2016	
621	<u>Transformer Base Wire Connectors</u>		Split-Bolts	#10/250MCM CU/AL	Approved 1-27-2016	
621	<u>Transformer Base Crimp Style Connectors</u>		Butt-Splice	#4 CU/AL	Approved 1-27-2016	
SPECIAL	<u>Transformer Base Theft Deterrent System</u>	Pelco	Copper Safe System	All sizes doors and wire clamps	Approved 7-27-2016	
621	<u>Lighting Controller Parts</u>	Intermatic Intermatic Square D Cutler Hammer Bussman Hoffman General Electric	Photocells Photocell Base Industrial Controller Transformer Definite Purpose Contactor, 60 Amp Fuse Holder Fuses NEMA Type 3R Enclosure Fused Disconnect	LC4536C K122 9070T50D1 FL 60 3-Pole C25FN360A H60030-2PR FRS-R-50 & 60-Amp 600-Volt A18R186NK 600-Volt 60-Amp 3-Pole 3-Wire TH3362R	Approved 1-27-2016 Approved 1-27-2016 Approved 1-27-2016 Approved 1-27-2016 Approved 2-20-2013 Updated 1-27-2016 Approved 1-27-2016 Approved 1-27-2016 Approved 1-27-2016	



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621 Fixtures - LED	Holophane Holophane Holophane Holophane Cooper Streetworks	Cobra Head Mongoose High-Mast Replacement Fixtures Underpass Replacement Fixtures Underpass Luminaire	Autobahn LED Series Mongoose LED Series 12-LED, HMLED 12 SK AH H M PCL4 P7 Tunnel Pass LED Series GAW Galleon Wall Light	Approved 1-27-2016 Approved 1-27-2016 Approved 1-27-2016 Approved 1-27-2016 Approved 07/14/2021	
621 LED Roadway Luminaire (Grid powered)	SolarMax LED, Inc	SMX-WIE(LL5) LED Roadway Luminaire	SMX-WiE(LL5) Series LED	Approved 7/6/2023	Replaces traditional cobra head/street light
621 Receptacles	Holophane	7-pin receptacle	P7	Approved 1-27-2016	
621 Fuse Parts	Buss Buss	5A, 10A, 15A, 20A, & 30A In-line fuses In-line fuse holder Y-Connectors	KTK Fuses BUSS HEB - JJB BUSS HEB - JW - RYC Fuseholders	Approved 1-27-2016 Approved 1-27-2016 Approved 1-27-2016	
Luminaire Lighting					
621 LED Roadway Luminaire (Grid powered)	SolarMax LED, Inc	SMX-WiE(LL5) LED Roadway Luminaire	SMX-WiE(LL5) Series LED	Approved 7/6/2023	Replaces traditional cobra head/street light
621 Luminaire lighting	COOPER StreetWorks	NVN NAVION	NVN-NF-06-E-8-AP-4N7-ALJS25-AP	Approved 1/20/2021	sstrworks-nvn-navion-spec-H8-39L
621 Luminaire lighting	COOPER StreetWorks	NVN NAVION	NVN-NF-4B-740-U-SL2	Approved 1/20/2021	strworks-nvn-navion-spec-H7-154W
621 Luminaire lighting	COOPER StreetWorks	VERD-M	VERDM04EU8T4N710KAP-LLPC	Approved 1/20/2021	strworks-verdeon-m-spec-H6
621 Luminaire lighting	COOPER StreetWorks	VERD-M	VERDGC02DUT44N710KAP-LLPC	Approved 1/20/2021	strworks-verdeon-m-spec-H5