



CITY OF TULSA TRAFFIC OPERATIONS DIVISION  
**APPROVED PRODUCTS LIST**

January 2025

COT SPEC #	DESCRIPTION	MANUFACTURER	MODEL NAME	MODEL NUMBER	APPROVAL STATUS	NOTES
<b>SIGNALS</b>						
<b>Underground Infrastructure</b>						
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	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 01-16-2020	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	IMSAs Signals cable	8205, 8207, 8209, 8215, 8220, 8221, 8780	Approved 7-16-2020	IMSAs 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.
<b>Poles</b>						
617	<u>Poles With Mastarms</u>	Pelco Structural & Steel NOV Ameron Pole Products	Multisided - Galvanized Multisided - Galvanized 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)	Approved 2-20-2013 Approved 7-2-2014 Approved 1-25-2017	Specification shall be updated to allow round or multi-sided poles
617	<u>Luminaire Arms</u>	Pelco Structural & Steel NOV Ameron Pole Products	Multisided - Galvanized Multisided - Galvanized Galvanized	1RE, 2BE, 3GE, 4YE, or 5WE 1RE, 2BE, 3GE, 4YE, or 5WE 1RE, 2BE, 3GE, 4YE, or 5WE	Approved 2-20-2013 Approved 7-2-2014 Approved 1-25-2017	Specification shall be updated to allow round or multi-sided poles



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COT				APPROVAL		
617	<u>Pedestal Poles</u>	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	<u>Pedestal Pole Caps</u>	Pelco	4" Dome Type Aluminum	PB-5402-PNC	Approved 2-20-2013	For all 4" poles
617	<u>Bases</u>	Pelco	Octagon Base Assembly Aluminum	PB-5349-GL-PNC	Approved 2-20-2013	For all 4" poles
617	<u>Pole &amp; Base Collars</u>	Pelco	4" Pole & Base Collar	PB-5326-PNC	Approved 2-20-2013	For all 4" poles
617	<u>Pole Mount Sign Clamps</u>	Pelco	4" U-Bolt Sign Clamp	SH-0206-4.5-PNC	Approved 2-20-2013	For mounting signs on 4" poles
617	<u>Pole Mount Sign Clamps</u>	PermaBrand	Stainless steel banding sign Clamp	PMB 201, 205, 256, 2150	Approved 1-16-2020	For mounting signs, signals equipment and other use.
617	<u>Pole Mount Confirmation Light</u>	Pelco	Confirmation Light Assembly with Globe	SM-0284-CL-PNC	Approved 2-20-2013	For 4" Pole Mounted Confirmation Lights (6' cable required)
617		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	<u>Powder Coat &amp; Paint</u>	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	<u>Base Covers</u>	Pelco			Approved 2-20-2013	To fit COT standard poles
<b>Pre-emption</b>						
606	<u>Detectors</u>	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	<u>Phase Selectors</u>	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	<u>Interface Panels</u>	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	<u>Emitters</u>	Global Traffic Tech. (GTT)	Opticom 700 Series	Model 792H	Approved 2-20-2013	
606	<u>Pre-emption Cable</u>	Global Traffic Tech. (GTT)	Opticom 700 Series	Model 739	Approved 2-20-2013	
606	<u>Clamps</u>	Pelco	Mini-Brac, Cable Mount	AB-0163-62-SS-PNC	Approved 2-20-2013	
<b>Power</b>						
607	<u>Pedestal Power Supply Base</u>	Eaton Cutler Hammer		CHPADEXT	Approved 2-20-2013	For concrete pedestal mount power outlet panels
607	<u>Pedestal Power Supply</u>	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	<u>Disconnects</u>	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	
	<u>Conduit - Metal</u>	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
	<u>Conduit - PVC</u>	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
<b>Cabinet Equipment</b>						
SPECIAL	<u>ATC Controllers</u>	Econolite	Cobalt	Rack-Mount and Shelf-Mount	Approved 1-27-2016	



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COT 610	<u>Conflict Monitors</u>	Eberle Design  Eberle Design	210 Series  210 Series	210E  210ECL	<b>APPROVAL</b> 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	<u>Mechanical Lugs</u>	Morris	Aluminum Mechanical Lug - AML6	No. 90712	Approved 7-17-2013	6 Str. - 14 Sol.
<b>332 Cabinets</b>						
610	<u>332 Cabinets</u>	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	<u>332 Stretch Cabinets</u>	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	<u>Suppressors</u>	Innovative Technologies		HS-P SP-120-60A-RJ AC	Approved 2-20-2013	
610	<u>Pedestrian Isolator Cards</u>	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	<u>Snubbers</u>	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	<u>Surrestors</u>	Emerson	Edco SRA	SAR 6-LCBLL	Approved 2-20-2013	
610	<u>Cabinet Rack Shelves</u>	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
<b>336 Cabinets</b>						
610	<u>336 Cabinets</u>	McCain PSI IDC Econolite/Safetran			Approved 2-20-2013 Approved 2-20-2013 Approved 2-20-2013 Approved 2-20-2013	
610	<u>336G Cabinets</u>	McCain			Approved 2-20-2013	For junction cabinets only
610	<u>Suppressors</u>	Innovative Technologies		HS-P SP-120-30A-RJ AC	Approved 2-20-2013	
610	<u>Pedestrian Isolator Cards</u>	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	<u>Snubbers</u>	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	<u>Surrestors</u>	Emerson	Edco SRA	SAR 6-LCBLL	Approved 2-20-2013	
<b>ITS Cabinets</b>						
<b>Pedestrian Push Button Systems</b>						
613	<u>Audible Pushbuttons</u>	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
	Audible Pushbutton Controller(s)	Polara	iNtelligent Central Control Unit Card	iCCU-C2, iCCU-S2	Approved 7-16-2020	Polara PB Controller - iNtelligent Central Control Unit Rack Mount and Shelf Mount



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	Audible Pushbutton Station	Polara	iNavigator 2-Wire Push Button Station	iNS 2 Approved 7-16-2020	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
<b>Signal Heads</b>					
614	<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  Chapel Hill Manufacturing  Crown Metal Products	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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<b>COT</b>	Duralight Duralight Duralight	JXC - 300HF Series JXC - 300HF Series JXC - 300HF Series	JXC300-HFTR03 JXC300-HFTY03 JXC300-HFTG03	<b>APPROVAL</b> 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 <u>Vehicle LED Arrow Indications</u>	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	
<b>Brackets</b>					
616 <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
<b>Detection</b>					
604 <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	<u>Loop Wire</u>	Reno A&E	LW-116-S	381-1601-01 Approved 2-20-2013	Single Conductor, Double Jacketed Loop Wire
604	<u>Loop Lead-In Cable</u>	Reno A&E	LW-216-HD	380-0202-03 Approved 2-20-2013	Two Conductor, Double Jacketed Lead-In Cable
	<u>Video Detection</u>	Econolite	Autoscope	RackVision Terra AVISIONSYS Approved 10-1-2014	Autoscope Vision Camera Vehicle Detection System
	<u>Video Detection</u>	Econolite	Autoscope	Approved 1/16/2020	
	<u>Video Detection</u>	Iteris	Vantage Next Camera	NEXT-CAM-PAK Approved 01/24/2024	
	<u>Video Detection</u>	Iteris	Vantage Next Platform	NEXT-CCU-PAK Approved 01/24/2024	
	<u>Hybrid Detection</u>	Iteris	Vantage Vector with Vantage Next	VECTOR-NEXT Approved 01/24/2024	
	<u>Radar Detection</u>	Iteris	Vantage Next Platform	NEXT-DVP Approved 01/24/2024	
	<u>Radar Detection</u>	Iteris	Vantage Next Platform	NEXT-SYSTEM-4 Approved 01/24/2024	
	<u>Radar Detection</u>	Iteris	Vantage Radius	RADPL-SENSOR-PAK Approved 01/24/2024	
	<u>Radar Detection</u>	Iteris	Vantage Radius	RAD-CCU-PAK Approved 01/24/2024	
	<u>Radar Detection</u>	Iteris	Vantage Radius	RAD-PROC Approved 01/24/2024	
	<u>Radar Detection</u>	Iteris	Vantage Radius	RAD-SENSOR-PAK Approved 01/24/2024	
	<u>Radar Detection</u>	Iteris	Vantage Radius	RAD-SYSTEM-4 Approved 01/24/2024	
620	<u>Video Cameras</u>	RDP SEC Iteris	CCD Camera Advanced	TC650ZD65 RZ-4 Revised 12-4-2013 Approved 1-28-15	
620	<u>Video Detection System</u>	Iteris	Vantage Vector-Next	Vantage Next Camera Vantage Next Platform Approved 1-25-2022	Part # 4020120-01, This is an upgraded version of current item.
620	<u>Video System Input/Output Module</u>	Iteris	Vantage Input/Output Module	Vantage Next Shelfmount Platform Edge2-I032 Approved 1-28-15	
620	<u>Video Cable</u>	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	<u>Video Filters</u>	EDCO EDCO		CX06-BNCY CX06-M Approved 2-20-2013 Approved 2-20-2013	
622	<u>Wireless Point to Point Modules (PTP)</u>	Cambium	450i Series	450i Series Approved 2-20-2013	with AES
622	<u>PTP Power Supplies</u>	Cambium	450i Series	450i Series Approved 2-20-2013	
622	<u>Switches</u>	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	<u>Communication Switch</u>				
622	<u>PTZ Cameras</u>	Axis WTI	PTZ Network Dome Camera Sidewinder	Q6032-E SW720-H.264-HD30 Approved 7-17-2013 Approved 7-27-2016	High-Speed Dome Camera with Progressive Scan and 35X Zoom Conditionally approved pending the development of a full CCTV specification.



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COT 622	<u>PTZ Cameras System</u>	Viper	Viper Camera	Viper PTZ Camera	APPROVAL Approved 1-25-2022	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
<b>Battery Backup</b>						
623	<u>UPS Battery Backup System</u>	Econolite	ZincBlue2 UPS	ZincBlue2	Approved 01-16-2020	ZincFive UPS Battery Backup System
<b>SIGN FLASHERS</b>						
<b>School Flashers</b>						
<i>All School Flashers</i>						
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 &amp; 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
<i>School Flashers 120 Volt Equipment</i>						
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
	<u>School Zone Flasher Pole Setup- AC</u>	RTC Manufacturing	CPR Antenna 15' Minimum	503525A	Revised 12-4-2013	
		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	U-Bolt Sign Clamp Assembly	SH-0206-4-PNC	Approved 2-20-2013	For Cabinet Installation on a 4" Aluminum Pole
		Pelco	Mounting Hub 1-1/2"	SE-0384-PNC	Approved 2-20-2013	For Attaching 1-1/2 LB Fitting to a 4" Aluminum Pole
		Pelco	All Thread Nipple 1-1/2" Aluminum	SE-0309-02.13-PNC	Approved 2-20-2013	For Attaching 1-1/2 LB Fitting to a 4" Aluminum Pole
	<u>School Zone Flasher Pole Setup- AC</u>	Carmanah	Solar Powered/AC School zone Flashing Beacon	R829-G	approved 01-16-2020	
<i>School Flashers Solar Equipment</i>						
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	
		RTC Manufacturing	Battery Hook-Up Kit	501242	Approved 2-20-2013	
	<u>School Zone Flasher Pole Setup- SOLAR</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
	<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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<b>COT</b>	Deka Gel Solar	Photovoltaic Battery 12V 97Ah C/20	8G30H	<b>APPROVAL</b> 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	
<b>School Clock Timer Controllers</b>					
<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
<b>Sign Flashing Beacons</b>					
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>	Availed Technologies	AV-400 RRFB	Rectangular Rapid Flashing Beacon	Approved 07/26/2023	AV-400 RRFB - Solar Powered
<b>RRFBs</b>					
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>	Availed Technologies	AV-400 RRFB	Rectangular Rapid Flashing Beacon	Approved 07/26/2023	AV-400 RRFB - Solar Powered
<b>LIGHTING</b>					
<b>Highway Lighting</b>					
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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COT				APPROVAL		
621	<u>Fixtures - LED</u>	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	<u>LED Roadway Luminaire (Grid powered)</u>	SolarMax LED, Inc	SMX-WiE(LL5) LED Roadway Luminaire	<u>SMX-WiE(LL5) Series LED</u>	Approved 7/6/2023	Replaces traditional cobra head/street light
621	<u>Receptacles</u>	Holophane	7-pin receptacle	P7	Approved 1-27-2016	
621	<u>Fuse Parts</u>	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	
<b>Luminaire Lighting</b>						
621	<u>LED Roadway Luminaire (Grid powered)</u>	SolarMax LED, Inc	SMX-WiE(LL5) LED Roadway Luminaire	<u>SMX-WiE(LL5) Series LED</u>	Approved 7/6/2023	Replaces traditional cobra head/street light
621	<u>Luminaire lighting</u>	COOPER StreetWorks	NVN NAVION	NVN-NF-06-E-8-AP-4N7-ALJ525-AP	Approved 1/20/2021	sstrworks-nvn-navion-spec-H8-39L
621	<u>Luminaire lighting</u>	COOPER StreetWorks	NVN NAVION	NVN-NF-4B-740-U-SL2	Approved 1/20/2021	strworks-nvn-navion-spec-H7-154W
621	<u>Luminaire lighting</u>	COOPER StreetWorks	VERD-M	VERDM04EU8T4N710KAP-LLPC	Approved 1/20/2021	strworks-verdeon-m-spec-H6
621	<u>Luminaire lighting</u>	COOPER StreetWorks	VERD-M	VERDGC02DUT44N710KAP-LLPC	Approved 1/20/2021	strworks-verdeon-m-spec-H5