



CITY OF TULSA TRAFFIC OPERATIONS DIVISION
APPROVED PRODUCTS LIST

January 2026

COT SPEC #	DESCRIPTION	MANUFACTURER	MODEL NAME	MODEL NUMBER	APPROVAL STATUS	NOTES
SIGNALS						
Underground Infrastructure						
601	Type I Pull Boxes	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	Type III Pull Boxes	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
		Newbasis	Division VI Part 601 - Pull Boxes	PCA11181S23-415 , PCA17301S23-415 , PCA24361S23-456	Approved 1-28-2026	
602	Couplings (HDPE to PVC Connectors)	Etco	ELOC	EL-**** (* = Size)	Approved 2-20-2013	
604	Water Proof Connection Twist Connects	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
		Cable - Signals	Advanced Digital Cable	IMSA Signals cable	8205, 8207, 8209, 8215, 8220, 8221, 8780	Approved 7-16-2020
	Loop Detection Sealant	RAI Products	RAI Products	ProSeal 6006 Loop Sealant	Approved 01/24/2024	This is replacing the sealant that we currently use.
Poles						
617	Poles With Mastarms	Pelco	Multisided - Galvanized	1R**, 2B**, 3G**, 4Y**, or 5W** (** = Size of Mast Arm)	Approved 2-20-2013	Specification shall be updated to allow round or multi-sided poles
		Structural & Steel	Multisided - Galvanized	1R**, 2B**, 3G**, 4Y**, or 5W** (** = Size of Mast Arm)	Approved 7-2-2014	
		NOV Ameron Pole Products	Galvanized	1R**, 2B**, 3G**, 4Y**, or 5W** (** = Size of Mast Arm)	Approved 1-25-2017	
		Ameron Pole Products	Hot Dip Galvanized	1R**, 2B**, 3G**, 4Y**, or 5W** (** = Size of Mast Arm)	Approved 7-23-2025	
		Millerbernd	Round Tapered Galvanized	1R**, 2B**, 3G**, 4Y**, or 5W** (** = Size of Mast Arm)	Approved 7-22-2026	
		Pelco	Multisided - Galvanized	1RE, 2BE, 3GE, 4YE, or 5WE	Approved 2-20-2013	
617	Luminaire Arms	Pelco	Multisided - Galvanized	1RE, 2BE, 3GE, 4YE, or 5WE	Approved 2-20-2013	



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COT	Structural & Steel NOV Ameron Pole Products	Multisided - Galvanized Galvanized	1RE, 2BE, 3GE, 4YE, or 5WE 1RE, 2BE, 3GE, 4YE, or 5WE	APPROVAL Approved 7-2-2014 Approved 1-25-2017	Specification shall be updated to allow round or multi-sided poles
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 <u>Pedestal Pole Caps</u>	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 & 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)
	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 & 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
Pre-emption					
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	
Power					
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 - verious 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 - verious sizes
Cabinet Equipment					



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COT SPECIAL <u>ATC Controllers</u>	Econolite	Cobalt	Rack-Mount and Shelf-Mount	APPROVAL Approved 1-27-2016	
610 <u>Conflict Monitors</u>	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 <u>Mechanical Lugs</u>	Morris	Aluminum Mechanical Lug - AML6	No. 90712	Approved 7-17-2013	6 Str. - 14 Sol.
<i>332 Cabinets</i>					
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
<i>336 Cabinets</i>					
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	
<i>ITS Cabinets</i>					
Pedestrian Push Button Systems					
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



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COT				APPROVAL	
	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	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	RX11 LED Signal Modules RX11 LED Signal Modules RX11 LED Signal Modules ITE, Caltrans Approved ITE, Caltrans Approved	DR6-RTFB-VLA DR6-YTFB-VLA DR6-GTFB-VLA 433-1210-003XL 433-3230-901XL	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



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COT	Dialight	ITE, Caltrans Approved	433-2220-001XL	APPROVAL Approved 2-20-2013	All green ball indications
	Duralight	JXC - 300HF Series	JXC300-HFTR03	Approved 2-20-2013	All red ball indications
	Duralight	JXC - 300HF Series	JXC300-HFTY03	Approved 2-20-2013	All yellow ball indications
	Duralight	JXC - 300HF Series	JXC300-HFTG03	Approved 2-20-2013	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	GTX City VLA Model LED Signal Modules 12"	DR6-RCFB-VLA 12" red ball LED, clear lens	Approved 1-27-2016	All red ball indications
	GE	GTX City VLA Model LED Signal Modules 12"	DR6-YCFB-VLA 12" yellow ball LED, clear lens	Approved 1-27-2016	All yellow ball indications
	GE	GTX City VLA Model LED Signal Modules 12"	DR6-GCFB-VLA 12" green ball LED, clear lens	Approved 1-27-2016	All green ball indications
614	Vehicle LED Arrow Indications	General Electric	GT1 LED Arrow Signals	Approved 2-20-2013	All red arrow indications
		General Electric	GT1 LED Arrow Signals	Approved 2-20-2013	All yellow arrow indications
		General Electric	GT1 LED Arrow Signals	Approved 2-20-2013	All green arrow indications
	Dialight	ITE, Caltrans Approved	433-1314-001X0D	Approved 2-20-2013	All red arrow indications
	Dialight	ITE, Caltrans Approved	433-3334-001X0D	Approved 2-20-2013	All yellow arrow indications
	Dialight	ITE, Caltrans Approved	433-2324-001X0D	Approved 2-20-2013	All green arrow indications
	Duralight	JXJ300-07 Series	JXJ300-07R03	Approved 2-20-2013	All red arrow indications
	Duralight	JXJ300-07 Series	JXJ300-07Y03	Approved 2-20-2013	All yellow arrow indications
	Duralight	JXJ300-07 Series	JXJ300-07G03	Approved 2-20-2013	All green arrow indications
	Leotec	IL6 Arrow	TSL-12RA-IL6-A1	Approved 2-20-2013	All red arrow indications
	Leotec	IL6 Arrow	TSL-12YA-IL6-A1	Approved 2-20-2013	All yellow arrow indications
	Leotec	IL6 Arrow	TSL-12GA-IL6-A1	Approved 2-20-2013	All green arrow indications
	GE	GT1 LED Arrow Signal Modules 12"	DR6-RCAAN-17A 12" red arrow LED, clear lens	Approved 1-27-2016	All red arrow indications
	GE	GT1 LED Arrow Signal Modules 12"	DR6-YCAAN-17AYX 12" yellow arrow LED, clear lens	Approved 1-27-2016	All yellow arrow indications
	GE	GT1 LED Arrow Signal Modules 12"	DR6-GCAAN-17A 12" green arrow LED, clear lens	Approved 1-27-2016	All green arrow indications
614	<u>Pedestrian Heads</u>	Peek	4302AFB	Approved 2-20-2013	Black, Clamshell, Z Crate Visor
	Eagle	Aluminum Pedestrian Head	SG7 Series	Approved 1-27-2016	Black, Clamshell, Egg Crate Visor
614	<u>Pedestrian Indications</u>	GE	PS7-CFF1-VLA	Approved 2-20-2013 Updated 1-27-2016	
	Dialight	GTX City LED Countdown Ped Signal 16 X 18-inch	430-6479-001X	Approved 2-20-2013	
	Duralight	Uniform Appearance Countdown Signal	JXM-400VEIL	Approved 2-20-2013	
	Leotek	JXM - 300/400VIE Series Countdown	TSL-PED-16-CIL-P1	Approved 2-20-2013	
		CIL, CD Series Countdown Signal			
Brackets					
616	<u>Mast Arm Brackets</u>	Pelco	AS-3009-62-SS-PNC	Approved 2-20-2013	
	Pelco	Astrobrac Stellar	AS-3009-84-SS-PNC	Approved 2-20-2013	
616	<u>Mast Arm Clamps</u>	Pelco	AS-3010-PNC	Approved 2-20-2013	Tenon Mount
616	<u>Horizontal Sign Clamps</u>	Pelco	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	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
Detection					
604	<u>Loop Detectors</u>	Reno A&E	T-110 Series	Approved 2-20-2013	



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COT	<u>Loop Detectors</u>	Reno A&E	Rack Mounted Detector	222S Series	APPROVAL Approved 2-20-2013	
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	Approved 10-1-2014	Autoscope Vision Camera Vehicle Detection System
	<u>Video Detection</u>	Econolite	Autoscope	AVISIONSYS	Approved 1/16/2020	
	<u>Video Detection</u>	Iteris	Vantage Next Camera	<u>NEXT-CAM-PAK</u>	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	<u>NEXT-DVP</u>	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	
	<u>Radar Detection</u>	Wavetronix	XP21	WX-500-0400 Part No: 101-0479	Approved 01/28/2026	
620	<u>Video Cameras</u>	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
				Vantage Next Camera Vantage Next Platform		Part # 4020120-01, This is an upgraded version of current item.
620	<u>Video Detection System</u>	Iteris	Vantage Vector-Next	Vantage Next Shelfmount Platform	Approved 1-25-2022	
620	<u>Video System Input/Output Module</u>	Iteris	Vantage Input/Output Module	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	Sicom	EX71800 EX 96008 EtherTRAX9808 Sicom3170-2GX-GE-7T	Approved 2-20-2013 Approved 2-20-2013 Approved 2-20-2013 Approved 2-20-2013 Approved 2-20-2013	With UP0351E-12P 60L Power Supply With UP0351E-12P 60L Power Supply With UP0351E-12P 60L Power Supply DC 24V Input Power
622	<u>Communication Switch</u>	GDI Communications, LLC Dymec	170 Rack Mounted Switch 3170 Series	Ky-3170EM4	Approved 2-20-2013 Approved 7-16-2020	6 X 4 Port, Managed, Gigabit Ethernet Switch - Low power



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COT					APPROVAL	
622	PTZ Cameras	Axis	PTZ Network Dome Camera	Q6032-E	Approved 7-17-2013	High-Speed Dome Camera with Progressive Scan and 35X Zoom
622	PTZ Cameras System	WTI	Sidewinder	SW720-H.264-HD30	Approved 7-27-2016	Conditionally approved pending the development of a full CCTV specification.
		Viper	Viper Camera	Viper PTZ Camera	Approved 1-25-2022	Part # VS265-HD30L Camera only
622	Cable	Belden	Cat 5E 4-pair\24 AWG	7923A or 1300A (shielded)	Approved 2-20-2013	
		Superior Essex	CASPIC-F, Cat 5E 6-pair\24 AWG	04-092-94	Approved 7-17-2013	
		Superior Essex	CASPIC-F, Cat 5E 12-pair\24 AWG	04-094-94	Approved 7-17-2013	
622	Universal Mount	Motorola	Mounting Bracket	SMMB-1A	Approved 2-20-2013	Universal
Battery Backup						
623	UPS Battery Backup System	Econolite	ZincBlue2 UPS	ZincBlue2	Approved 01-16-2020	ZincFive UPS Battery Backup System
	UPS Capacitor Backup System	Econolite	Super Capacitor Module	ZX2000-48	Approved 01-28-2026	
SIGN FLASHERS						
School Flashers						
All School Flashers						
SP	RTC	RTC Manufacturing	Cellular Radios w/ Guardian	AP22	Approved 2-20-2013	
SP	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
SP	Pole Mount Confirmation Light Bulbs	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	Signal Head Mount	Pelco	Astro-Brac Stellar Clamp Kit Cable Mount	AS-3009-62-PNC	Approved 2-20-2013	Mounting Signal Heads to a 4" Pole
SP	Bases	Pelco	Octagonal Base Assembly Aluminum	PB-5349-GL-PNC	Approved 2-20-2013	For All 4" Poles
SP	Pedestal Poles	Pelco	4" Schedule 40 Spun Aluminum	PB-5100-13'-PNC	Approved 2-20-2013	For School Signal Flasher Poles
SP	Pole & Base Collars	Pelco	4" Pole & Base Collar	PB-5326-PNC	Approved 2-20-2013	For All 4" Poles
SP	School Sign Mounting Hardware	Pelco	U-Bolt Sign Clamp Assembly	SH-0206-4-PNC	Approved 2-20-2013	For 4" Pole Mounted Signs
SP	Pedestal Pole Caps	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	Flasher Cabinet and Equipment	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	
	School Zone Flasher Pole Setup- AC	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
	School Zone Flasher Pole Setup- AC	Carmanah	Solar Powered/AC School zone Flashing Beacon	R829-G	approved 01-16-2020	
School Flashers Solar Equipment						
SP	Flasher Cabinet and Equipment	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	
	School Zone Flasher Pole Setup- SOLAR	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



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COT	<u>School Zone Flasher Pole Setup - SOAR</u>	Carmanah	Solar Powered/AC School zone Flashing Beacon	R829-G	APPROVAL approved 01-16-2020	
		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 conditonal 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						
630	<u>Rectangular Rapid Flashing Beacons</u>	Carmanah	Solar powered RRFB	R920-MX	Approved conditonal 01/24/2024	This unit replaed the old R920 Series. That LED Lights will not be used on or around the signs.
630	<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.
630	<u>Rectangular Rapid Flashing Beacons</u>	Availled Technologies	AV-400 RRFB	Rectangular Rapid Flashing Beacon	Approved 07/26/2023	AV-400 RRFB - Solar Powered
630	<u>Rectangular Rapid Flashing Beacons</u>	Trafficalm	Push-2 Cross Trafficalm	RRFB Flashing Sign M75-SA328-0000	Approved 01/28/2026	Conditionally approve the solar-powered RRFB only
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	Photocells Photocell Base Industrial Controller Transformer Definite Purpose Contactor, 60 Amp Fuse Holder Fuses	LC4536C K122 9070T50D1 FL 60 3-Pole C25FN360A H60030-2PR FRS-R-50 & 60-Amp 600-Volt	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	



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COT	Hoffman General Electric	NEMA Type 3R Enclosure Fused Disconnect	A18R186NK 600-Volt 60-Amp 3-Pole 3-Wire TH3362R	APPROVAL Approved 1-27-2016 Approved 1-27-2016	
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 5K 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