City of Sacramento - Qualified Products List June 2023 (List expires September 2023)

Products shown in the list may be updated, added or deleted prior to expiration date without notice.

Please contact John Matoba at imatoba@cityofsacramento.org for products to be tested and considered to be added to the Qualified Products List.

A. TRAFFIC SIGNAL CABINETS / CONTROLLERS

All traffic signal cabinets and controllers shall be supplied from the following approved manufacturers. All cabinets shall be furnished with controller, D4 software, Network Switch, Power Supply and all auxiliary equipment listed below. Cabinet shall be equipped with all components for an 8 vehicle phases, 4 pedestrian phases, and 4 overlaps. All components meet NEMA TS2 Type 1 standards.

Traffic Signal Cabinet Type R TS2 Type 1 and Controller TS2 Type 2

- 1. McCain TS2 Type 1 Cabinet M92150
- 2. McCain ATC EX2 Controller TS2 Type 2 (ABCD plugs)
- 3. Fourth Dimension D4 software
- 4. Network Switch Cisco IE-2000-8TC-G-B, PWR-IE50W-AC-IEC, GLC-LX-SM-RGD (qty 2)
- 5. Power Supply Surge Suppressor Tripp-lite ISOBAR6ULTRA 6 outlet

Type R Cabinet Auxilliary Equipment to Include:

- (16) Load Switches EDI Model 510
- (1) Solid State Flashers EDI Model 810, Reno Model FL-200
- (1) Malfunction Management Unit (MMU) EDI MMU-16LE, Econolite MMU-16, or Reno MMU-1600G
- (6) Bus Interface Unit (BIU) EDI Model 700, Econolite BIU-64
- (1) Power Supply Econolite PS200 TS2, EDI Model MMU2-16LE, Reno TS-2
- (8) Inductive Loop Detectors Reno A&E Y/2-200
- (x) Flasher Transfer Relay
- (1) Network Switch Cisco IE 2000 (See Network Switch in this QPL)
- (1) Surge Suppressor (See Surge Suppressor in this QPL)

Traffic Signal Cabinet 332LS and Controller 2070LX

- Econolite Cabinet 332LS
- 2. Econolite Controller 2070LX
- 3. Fourth Dimension D4 Software
- 4. Network Switch Cisco IE-2000-8TC-G-B, PWR-IE50W-AC-IEC, GLC-LX-SM-RGD (qty 2)
- 5. Power Supply Surge Suppressor Tripp-lite ISOBAR12ULTRA 12 outlet

Controller 2070LX – Controller shall be equipped with the following modules:

2070-1C CPU Module

2070-2E Field I/O Module

2070-LX Front Panel Display

2070-4A 10A Power Supply

Linux Operating System with D4 Software

Back cover plates

Data Key (min 2 megabits)

332LS Auxiliary Equipment to Include:

- (1) Conflict Monitor 2010ECLIP
- (12) Load Switches 200
- (4) Flash Transfer Relays
- (1) Power Supply Model 206L
- (2) Flasher Units 204
- (1) PDA #2LX
- (8) Inductive Loop Detector Cards Model 222
- (3) DC Isolators 242
- (1) LED Light Assembly
- (1) Surge Suppressor (See Surge Suppressor in this QPL)
- (1) set of anchor bolts
- (1) Network Switch per cabinet. (See Network Switch in this QPL)
- ID Tag: Manufacturer, Model #, Year Mfgr.

Network Switch

Network Switch	Cisco Network Switch and Accessories	
	Model: IE-2000-8TC-G-B	
	Power Supply: PWR-IE50W-AC-IEC	
	Small Form Factor Pluggable Module: GLC-LX-SM-RGD (qty 2)	
	19" DIN Rail STK-RACK-DINRAIL (if applicable)	

Surge Suppressor

Tripp-Lite Power Supply	Surge Suppressor	
	 Type R Cabinet: ISOBAR6ULTRA – 6 outlet 	
	 332 Cabinet: ISOBAR12ULTRA – 12 outlet 	

B. ELECTRICAL EQUIPMENT

CCTV

AXIS	Camera and Accessories
	Camera: Axis Q6315-LE PTZ
	Power Injector: Axis T8134
	Cat 6 Cable: Belden 7927A
	Bracket: Pelco AB-3034 and AXIS T91B62
	Push Pull Connector: AXIS 39680

GPS EV

Global Traffic	GPS Opticom Series-	
Technologies (GTT)	Phase Selector: Model 764	
	Radio Unit: Model 3100	
	 Auxiliary Interface Panel: Model 768 	
	 Card Rack with Power Supply: Model 760 	
	Intersection Cabling: Model 1070	
	Mounting Hardware: Opticom	

Video Detection System

Video Detection	Econolite – Full Intersection	
	(4) Autoscope Vision (AVISION) Camera	
	 (4) Econolite Mounting Brackets 28" 	
	Econolite 3-wire cable	
	Autoscope Vision Comm Manager (AVCM)	
	SDLC Cable	

C. FIBER OPTIC

Fiber Strand

Description	Part Number	Manufacturer	Use
12 Strand	012ZU4-T4F22D20	Corning	Per Plan
12 Strand SST	012EB4-14101A20	Corning	Per Plan
Drop (flat)			
24 Strand	024ZU4-T4F22D20	Corning	Per Plan
48 Strand	048ZU4-T4F22D20	Corning	Per Plan
96 Strand	096EU4-T4700D20 or 096EU4-T4701D20	Corning	Per Plan
144 Strand	144EU4-T4701D20	Corning	Per Plan
288 Strand	288EU4-T4701D20	Corning	Per Plan

Fiber Patch Cable (OS2 Jumpers)

Description	Part Number	Manufacturer	Use
1m	040402G5120001M	Corning	OS2 Jumpers
2m	040402G5120002M	Corning	OS2 Jumpers

Tracer Tape

Description	Part Number	Manufacturer	Use
Detectable Muletape	DT1250P	Neptco DT1250P, Dura line WP12LC or equivalent	Tracer Tape

Fiber Patch Panel for In-Cabinet Use

Type R Cabinet			
Description	Part Number	Manufacturer	Description
Fiber Panel in R Cabinet	SPH-01P with 12 strand adapter LC panel and SMFO pigtal. SPH-CS-12-A9- P00RE	Corning	Fiber Panel for 12 count in SPH panel

Fiber Patch Panel for In-Cabinet Use

332 Cabinets			
Description	Part Number	Manufacturer	Description
Fiber Panel in 332 Cabinet	CCH-01U (or CCH-04U patch panel (Rack Channel standoff bracket #12309-704)) with CCH-CS12-A9-P00RE splice cassette (standard density).	Corning	Fiber Panel for 12 count in CCH panel
	CCH-CS24-A9-P00RE splice cassette (high density), if specified.		

Splice Case/Tray

Description	Part Number	Manufacturer	Description
Splice Case	8006877	Coyote	Dome Closure 6.5x22
Splice Tray	80805514	Coyote	Long Low-Profile for up to 96 strand
Splice Case	8006944	Coyote	Dome Closure 6.5x17
Splice Tray	80809958	Coyote	for up to 48 strand
Inline Runt	8006915	Coyote	In-Line Runt Closure
Splice Tray	80809958	Coyote	For up to 48 strand

D. TRAFFIC SIGNAL HARDWARE

Vehicle Signal Housing

Vehicle Signal Housing	McCain
	 Model: 12" Housing, Aluminum, Powder Coated Black,
	Aluminum Signal Tunnel Visor
	 Backplate – Yellow Retroreflective 2" Border, Aluminum, louvered and painted black.
	 Retroflective border shall be manufactured by 3M. Model 3990 Series Diamond Grade VIP Reflective sheeting.

Pedestrian Signal Housing

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Pedestrian Signal Housing	McCain Model: 16" x 18" Housing, Aluminum, Powder Coated Black	

Light Emitting Diode (LED) Signal Modules

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Display Modules	•	12" LED Modules for Traffic Signal Display with Clear Front Shell, Red Yellow Green, Arrow LED Countdown for Pedestrian Display
	•	Manufactured by Dialight, Leotek, Duralite, or EOI. No exceptions.

Signal Framework

Framework	 Manufactured by McCain Black Bronze
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Accessible Pedestrian Signal (APS)

Accessible Pedestrian Signal (APS)			
APS	Polara Engineering Inc. Model: Polara 2 Wire iDS23RB1-Y PPB w/iDetect		
	• Control Unit: Polara iCCU-S2 for TS1, TS2 cabinets.		
	 Control Unit: Polara iCCU-C2 Rack Mount Control Unit for 332 cabinet. 		
	 Interconnect Board for 332 or TS2 cabinet. 		
	• Size of Sign: 9x15. Option T, Use R10-3e for Pedestrian Displays with Countdown feature.		
	Housing Color: Yellow button cover.		
	 Custom Messages: Special Voice Message for Wait to Cross Street Name and Walk Sign is On to cross Street Name. Braile on faceplate. 		
	 SDLC for TS2 Type 1 cabinets. 850-217 (50 pin harness) for TS 1 cabinets. Bi-directional arrow. 		

E. RECTANGULAR RAPID FLASHING BEACON (RRFB) WITH APS

The RRFB system shall be manufactured by Carmanah Traffic.		
SC315-G • AC-Powered (unless otherwise specified)		
	Dual Light Bar	
	Polara APS Push Button Station	
	Carmanah Control Box Enclosure	
	9"x12" instructional sign.	

F. LIGHTING

Post Top Luminaire

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Luminaire	Acuitybrands Contempo LED Series 245L	
	 Model: 245L P45 AS 30K R3 RNA Style A (hood) P7 SH No 	
	photocell. 3000K. Type 3 Distribution.	
Pole	Valmont	
	 Model: City of Sacramento Type "B" Series, 20' length, Galvanized, Anchor Bolt: 1" dia, 36" length, 4" hook, 9" bolt circle 	

Mastarm Streetlight Luminaire

Light Engine		eLite Star SL3x-M LED Street light – model # ESU F A01 3M 032
		1 700 (type 3 Distribution) - for general roadway lighting at 700ma.
	 EOI 	eLite Star SL3x-M LED Street light – model # ESU F A01 3M 032
	40 N	1 105 (type 3 Distribution) - for Traffic Signal Intersection lighting at
	1050	Oma.

Ornamental Streetlight

Light Engine	Model: CREE DPT A SB FR A 30K UL UF; or
	Model: VEGA Pris T3 D4A 40 30K
Globe	Model: Lexalite 424 Acrylic Prismatic Top
Pole	City of Sacramento Style 1, 12' length, Cast Iron Base, Steel Tapered
	Shaft, Cast Iron Capital, 3/4" x 30" anchor bolts (4)
	Model: Union Metal Corporation or 1254 Twelve Fifty Four
	Industries

G. COMMUNICATION HUB CABINET

Communication HUB Cabinet

344LX assembly and components shall conform to all requirements in the Caltrans Transportation		
Electrical Equipment Specifications (TEES).		
Safetran by Econolite	344LX; or	
McCain Inc	344LX	
Components:	(1) SPD (TEES A6-12)	
	(1) SPDA (TEES A6-40)	
	(1) LED Light Assembly	
	(1) Surge Suppressor (See Surge Suppressor in this QPL)	
	ID Tag: Manufacturer, Model #, Year Mfgr.	
	Location Tag: Intersection of use.	

H. ELECTRICAL UNDERGROUND MATERIALS

Locking Lid Pull Boxes for Streetlight Applications

The following locking lid pull boxes shall be used for streetlight applications. Pull boxes for traffic signals shall be the standard reinforced concrete lid.	
#5 PB - Locklid 1324 Lid LL K-S TrxPlt Sac Glv;	
#6 PB - LockLid 1730 Lid LL K-SD TrxPlt Sac Glv).	
#5 PB - Sipra Corp's Lockjaw! Security lids	
#6 PB - Sipra Corp's Lockjaw! Security lids	
#5 PB - Mr. Steel Security Security lids	
#6 PB - Mr. Steel Security Security lids	