

Note: This list provides additional detailed product information that cannot be presented on the ODOT QPL Web Page.

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**CMS 633.15 Communications: For devices connected to or interfaced with ODOT's network and/or software.**

Manufacturer	Model	Carrier	Product Number
Sierra Wireless	GX440	Verizon	1101413
Sierra Wireless	Raven X	Verizon	V4228-V
Sierra Wireless	GX440	ATT	1101689

The type of device is determine by site conditions and the type of connected equipment and shall be solely determined by ODOT at time of Contractor request.

**CMS 733.02 D (2070L CONTROLLERS):**

Manufacturer	Model / TEES compliance	Build Number	Build Date
Siemens	2070L / 2004	6.2.0.0.0.81	3/10/2006
Econolite/Safetran	2070L / 2002	V1.01.08.02b	2/28/2007
McCain	2070L / 2002	1.98.006	1/28/2011
Intelight	2070L / 2009	1.4.3.2.0.11	

**1104 (2070E CONTROLLERS):**

Manufacturer	Model	Build Number	Build Date
Siemens	2070E	8.0.0.0.0.483	
McCain	2070E	1.1.0.4.0.1	6/10/2011
Econolite/Safetran	2070E	1.1.1.0.819.1	9/14/2011
Intelight	2070E	1.4.3.2.0.11	

**CMS 733.03C,E (Caltrans 332, 336 Cabinets):**

Manufacturer	Model / TEES Compliance	Part Number	Comment
Econolite/Safetran	332L / 2009	ZCAB-3321-OH	add "G" suffix for gen. panel
Econolite/Safetran	336L / 2009	ZCAB-336SL	add "G" suffix for gen. panel
McCain	332L / 2009	M48091-332L	with generator panel
McCain	332L / 2009	M36126-332L	w/o generator panel
McCain	336L / 2009	M48093-336L	with generator panel
McCain	336L / 2009	M36124-336L	w/o generator panel
Intelight	332L / 2009	8001-L	
Intelight	336L / 2009	80021-L, 83331-L	
Brown Traffic - Eagle Traffic Control Systems	332L / 2009	JBS2332LTOH01	w/206L power supply
Brown Traffic - Eagle Traffic Control Systems	336L / 2010	JBS2336LTOH01	w/206L power supply

**809.05.A - CCTV IP-Camera System, Dome-Type**

Manufacturer	Model	Part Number	Comment
TKH/Optelecom / Siquira	HSD626	HSD626/N	
COHU	3920	3920 SD24-1000	
Pelco	Spectra IV IP H.264	SD435-PG-E1	

Camera is to be provided with 130 ft of composite cable with AMP style connector to attach to lowering unit pigtail connector at top of pole.

809.05.B - CCTV IP-Camera System - Tunnel / Wall				
Manufacturer	Model	Part Number	Comment	
COHU	3960	3960 HD37-8000		

809.05.C - CCTV IP-Camera System - Portable				
Manufacturer	Model	Part Number	Comment	
Mobile Pro Systems	MPS-2800			
Wanco	WCTBS1040			
Netvision	solr2130			
ASTI	EZCAM			
Systems shall be configured with one of the following camera types: Pelco Spectra iV IP h.264. Siquira/Optelecom hsd626, Cohu 3920, Cohu 3960				

809.05.D - CCTV IP-Camera - Local Camera Control Unit				
Manufacturer	Model	Part Number	Comment	
Treethaven Technologies	RVSFB120RNET			

809.06.A - CCTV Concrete Pole with Lowering Unit				
Manufacturer	Model	Part Number	Comment	
MG Squared		CLDMG2-HYPIP+7-082CON-WCD-PELIC		

809.06.B - CCTV Lowering Unit				
Manufacturer	Model	Part Number	Comment	
MG Squared		CLDMG2-HYPIP+7-070MH		

809.07.A - Dynamic Message Sign (DMS) - Full-Size Walk-In				
Manufacturer	Model	Part Number	Comment	
Daktronics	VF-2020	Ohio DOT-2015-VF-2020-27x105-66-A	Monochrome Display	
Daktronics	VF-2020	Ohio DOT-2015-VF-2020-96x336-20-RGB	Color Display	

809.07.B - Dynamic Message Sign (DMS) - Front-Access				
Manufacturer	Model	Part Number	Comment	
Daktronics	VF-2420	Ohio DOT-2015-VF-2420-27x60-66-A	Monochrome Display	
Daktronics	VF-2420	Ohio DOT-2015-VF-2420-96x192-20-RGB	Color Display	

<b>809.07.C - Destination Dynamic Message Sign (DDMS) - Freeway</b>			
Manufacturer	Model	Part Number	Comment
Daktronics	VM-1020	Ohio DOT-2015-VM-1020-7x15-66-A	Monochrome Display

<b>809.07.D - Destination Dynamic Message Sign (DDMS) - Arterial</b>			
Manufacturer	Model	Part Number	Comment
Daktronics	VM-1020	Ohio DOT-2015-VM-1020-7x15-46-A	Monochrome Display

<b>809.08.A - Highway Advisory Radio (HAR) Assembly</b>			
Manufacturer	Model	Part Number	Comment
MH Corbin	BlackMax	ODOT-HAR2014-01	

<b>809.08.B - Highway Advisory Radio (HAR) Flashing Beacon System</b>			
Manufacturer	Model	Part Number	Comment
MH Corbin	Flashing Beacon Controller	ODOT-CMC-100	

<b>809.09.A ITS Cabinet - Ground-Mounted</b>			
Manufacturer	Model	Part Number	Comment
Southern Manufacturing		SOUH-WE334-ODOT-ITS-B	
Traffic Control Products		ITS-332-V4.2	

<b>809.09.B ITS Cabinet - Pole-Mounted</b>			
Manufacturer	Model	Part Number	Comment
Southern Manufacturing		SOUH-WE334-ODOT-ITS-B	
Traffic Control Products		ITS-336-V4.2	

<b>809.09.C ITS Cabinet - Power Distribution Cabinet (PDC)</b>			
Manufacturer	Model	Part Number	Comment
Southern Manufacturing		Ohio DOT PDC Cabinet	
Traffic Control Products		ITS-PDC-V4.2	

809.09.D ITS Cabinet - Ramp Meter			
Manufacturer	Model	Part Number	Comment
All Submittals to be sent to ODOT Traffic Operations for Approval			

809.10.A Closed Loop Arterial Traffic Signal System			
Manufacturer	Product	Model\Part\Build #	Comments
Siemens	Tactics Marc	Tactics Ver 2.2.2	Requires SEPAC and SEMARC equipped field controllers
McCain, Inc.	Transparity TMS	TMS	
Econolite Control Products	Aries TMS	34500G1 ver 3.82 or later	
Intelight	MaxView Closed Loop	1.7.31	
Wapiti Micro Systems	Traffic View 32	1.50.19	

809.10.B Centrally Controlled Arterial Traffic Signal System			
Manufacturer	Product	Model\Part\Build #	Comments
Siemens	Tactics Central (Up to 100 Intersections), Enterprise (Over 100 Intersections)	Tactics Ver 2.2.2	Requires SEPAC / SEMARC / TEMPO equipped field controllers
McCain, Inc.	Transparity TMS	TMS	
Econolite Control Products	Centrac ATMS	Ver 1.9.13.33 or later	
Intelight	MaxView ATMS	1.7.31	

809.10.C Highway Rail/Traffic Signal Pre-emption			
Manufacturer	Product	Model\Part\Build #	Comments
Siemens	SEPAC for M-50 Series of Traffic Controllers and 2070E	M-52, 2070E, with at least SEPAC 3.34h Software	Requires SEPAC equipped field controllers
Econolite Control Products	ASC3 NEMA Controller	2.58.00 or later	
Econolite Control Products	ASC3 2070 Software	22.58.00 or later	
Econolite Control Products	Cobalt Touch - NEMA Controller	32.58.00 or later	

809.10.D Traffic Signal System with Emergency Vehicle Pre-emption			
Manufacturer	Product	Model\Part\Build #	Comments
Siemens	SEPAC for M-50 Series of Traffic Controllers and 2070E	M-52, 2070E, with at least SEPAC 3.34h Software	Requires SEPAC equipped field controllers
Econolite Control Products	ASC3 NEMA Controller	2.58.00 or later	
Econolite Control Products	ASC3 2070 Software	22.58.00 or later	
Econolite Control Products	Cobalt Touch - NEMA Controller	32.58.00 or later	
Wapiti Micro Systems	Right O' Way Emergency Pre-emption System	R.O.W. 2R	Acoustic Pre-emption
Emtrac Systems	RF-GPS Priority Detector	ST-9283	GPS Pre-emption
Emtrac Systems	Optical Priority Detector	ST-9320 / ST-9340	Optical Pre-emption
Global Traffic Technologies	GPS Intersection Equipment	Opticom Model 764 Phase Selector - Intesection Antenna Model 3100 (Pole Mount) or Model 3101 (Cabinet Mount)	Optional Card Rack Model 760, 1040, or 770 if required, 768 Aux. Interface Panel if required, 1070 Detector Cable (length to be determined) Model
Global Traffic Technologies	Optical Intersection Equipment	Opticom Model 762 or 764 Phase Selector - 711, 721 or 722 Detectors	Optional Card Rack Model 760 or 770 if required, 768 Aux. Interface Panel if required, Model 138 Detector Cable (length to be determined)
Global Traffic Technologies	GPS Vehicle Equipment	Opticom GPS Vehicle Equipment	Opticom 2100
Global Traffic Technologies	Optical Vehicle Equipment	Opticom 794H-LED Emitter, Opticom 792H or 792HF Strobe Emitter	
Global Traffic Technologies	Multimode (Optical & GPS) Vehicle Equipment	Opticom 794HM LED Emitter	For GPS Operation must include Model 2100 GPS Radio

<b>809.10.E Traffic Signal System with Transit Priority</b>			
Manufacturer	Product	Model\Part\Build #	Comments
Siemens	SEPAC for M-50 Series of Traffic Controllers and 2070E	M-52, 2070E, with at least SEPAC 3.5.3 Software	Requires SEPAC equipped field controllers
Econolite Control Products	ASC3 NEMA - TSP Datakey	2.58.00 or later SFDK1000000000	Enabled via special datakey
Econolite Control Products	ASC3 2070 - TSP datakey	22.58.00 or later SFDK1000000000	Enabled via special datakey
Econolite Control Products	Cobalt Touch - TSP datakey	32.58.00 or later SFDK1000000000	Enabled via special datakey
Global Traffic Technologies	GPS Intersection Equipment	Opticom Model 764 Phase Selector - Intesection Antenna Model 3100 (Pole Mount) or Model 3101 (Cabinet Mount)	Optional Card Rack Model 760 or 770 if required, Aux. Interface Panel if required, 1070 Detector Cable (length to be determined) 768 Model
Global Traffic Technologies	Optical Intersection Equipment	Opticom Model 762 or 764 Phase Selector - 711, 721 or 722 Detectors	Optional Card Rack Model 760 or 770 if required, Aux. Interface Panel if required, Detector Cable (length to be determined) 768 Model 138
Global Traffic Technologies	GPS Vehicle Equipment	Opticom GPS Vehicle Equipment	Opticom 2101
Global Traffic Technologies	Optical Vehicle Equipment	Opticom 794T or 794L LED Emitter, Opticom 792L or 792T Strobe Emitter	
Global Traffic Technologies	Multimode (Optical & GPS) Vehicle Equipment	Opticom 794TM LED Emitter	For GPS Operation must include Model 2101 GPS Radio

<b>809.11.A Ramp Meter System - Verify with ODOT Traffic Operations before selecting product.</b>			
Manufacturer	Product	Model\Part\Build #	Comments
McCain, Inc.	2042	S-2042	
Intelight	MaxTime Ramp Meter	1.1.4	

<b>809.10.F Adaptive Traffic Control System</b>			
Manufacturer	Product	Model\Part\Build #	Comments
Siemens	ACS Lite	Ver 1.7.0	Requires SEPAC equipped field controllers
McCain, Inc.	QuicTrac Technology		
Econolite Control Products	Centracs Adaptive	Centracs Adaptive	

<b>809.12.A - Side-Fired Radar Detector -Currently Listed for ODOT Use Only</b>			
Manufacturer	Model	Part Number	Comment
Econolite	EIS RTMS G4		

<b>809.12.B - Advance Radar Detection</b>			
Manufacturer	Model	Part Number	Comment
Wavetronix	SmartSensor	SmartSensor Advance Extended Range	

<b>809.12.C - Stop-Bar Radar Detection</b>			
Manufacturer	Model	Part Number	Comment
Wavetronix	SmartSensor	SmartSensor Matrix	

<b>919 (RAILROAD PREEMPTION INTERFACE- CONTROLLERS/SOFTWARE):</b>			
<b>Manufacturer</b>	<b>Model / TEES compliance</b>	<b>Build Number</b>	<b>Comment</b>
Econolite, Siemens	2070L / as above	as above	<b>WITH IN-CABINET RELAY BOARD</b> , LA-TSCP V software and C11
Econolite	ASC3 / NA	as per ODOT QPL	<b>WITH IN-CABINET RELAY BOARD</b>
Siemens	2070L / as above	as above	<b>WITH IN-CABINET RELAY BOARD</b> , SEPAC software
Econolite, Siemens	2070L / as above	as above	<b>WITH SOLID-STATE (DC ISOLATOR) INTERFACE</b> , LA-TSCP V software w/ C11
Econolite	ASC3 / NA	as per ODOT QPL	<b>WITH SOLID-STATE (DC ISOLATOR) INTERFACE</b>
Siemens	2070L / as above	as above	<b>WITH SOLID-STATE (DC ISOLATOR) INTERFACE</b> , SEPAC software
Econolite, Siemens	2070L / as above	as above	<b>WITH IEEE 1570 INTERFACE</b> and LA-TSCP V
Econolite	ASC3 / NA	as per ODOT QPL	<b>WITH IEEE 1570 INTERFACE</b>
Econolite, Siemens	2070L / as above	as above	<b>WITH CTC RAILROAD PREEMPTION INTERFACE CARD</b> and LA-TSCP V
Econolite	ASC3 / NA	as per ODOT QPL	<b>WITH CTC RAILROAD PREEMPTION INTERFACE CARD</b>
Siemens	2070L / as above	as above	<b>WITH CTC RAILROAD PREEMPTION INTERFACE CARD</b> and SEPAC software