

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

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Date Printed: 1/22/2018

CMS 633.15 Communications: For devices connected to or interfaced with ODOT's network and/or software.			
Manufacturer	Model	Carrier	Product Number
Sierra Wireless	GX450	Verizon	1102361
Sierra Wireless	Raven X	Verizon	V4228-V
Sierra Wireless	GX450	ATT	1102365
Sierra Wireless	MP70 - with wifi		1102743
Sierra Wireless	MP70 - without wifi		
Sierra Wireless	Raven RV50		

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

CMS 731.10 Timer with Enclosure:			
Manufacturer	Model / TEES compliance	Build Number	Build Date
Electrotechnics Corporation	TC-18		
Electrotechnics Corporation	NTC-17E		
RTC Manufacturing	AP41 Time Switch		
RTC Manufacturing	AP22 Time Switch		
RTC Manufacturing	AP21 Series		
RTC Manufacturing	CP2102G		
Tork Manufacturing	DTS Series		
Tork Manufacturing	DG200A		
Traffic Control Prod	85100-OH-TC		

CMS 732.04LED Vehicle and Pedstrian LED Lamps			
Manufacturer	Model / TEES compliance	Build Number	Build Date
Dialight Carp/NJ	430-5770-001X		
Dialight Carp/NJ	4306450001X		
Dialight Carp/NJ	433-3230-901XL		
Dialight Carp/NJ	430-6772-001X		
Dialight Carp/NJ	430-7771-001X		
Dialight Carp/NJ	4331210003XL		
Dialight Carp/NJ	431-3334-901XOD		
Dialight Carp/NJ	432-1314-001XOD		
Dialight Carp/NJ	432-2374-001XOD		
Dialight Carp/NJ	433-2270-001XL		
Dialight Carp/NJ	430-7773-001X		
Dialight Carp/NJ	430-6479-001X		
EOI/CA	TRP-C45D3154C10		
EOI/CA	TRA-R12DG-IN		
EOI/CA	TRA-Y12DG-IN2		
EOI/CA	TRA-G12DG-IN		
EOI/CA	TRV-G12SG-D2T-C		
EOI/CA	TRV-R12SG-D2T		
EOI/CA	TRV-Y12SG-D1T		
GE Lighting Solutions	DR6-YTFB-17A-YX1		
GE Lighting Solutions	DR6-GCFB-VLA		
GE Lighting Solutions	DR6-RTAAN-17A		
GE Lighting Solutions	DR6-RTFB-VLA		
GE Lighting Solutions	DR6-YTAAN-17A-YX		
GE Lighting Solutions	DR6-YTFB-VLA		
GE Lighting Solutions	PS6-PFH1-26A		
GE Lighting Solutions	PS6-WFM3-26A		
GE Lighting Solutions	PS7-CFC1-26A		
GE Lighting Solutions	PS7-CFF1-27A		
GE Lighting Solutions	DR6-GCAAN-17A		

CMS 732.04 LED Vehicle and Pedestrian LED Lamps Continued			
GE Lighting Solutions	PS7-CFF1-VLA		
GE Lighting Solutions	DR6-YZFB-VLA		
GE Lighting Solutions	DR6-RTAAN-VLA		
GE Lighting Solutions	DR6-GCAAN-VLA		
GE Lighting Solutions	DR6-YTAAN-VLA		
LEOTEK	TP12B-EH		
LEOTEK	TP12B-WM		
LEOTEK	TSL-PED-16-DIL		
LEOTEK	TSL-PED-16-CIL-P1-SW		
LEOTEK	TSL-12YA-LD-A1		
LEOTEK	TSL-12YA-IL6-A1-P3		
LEOTEK	TSL-12Y-LX-IL6-A1-P3		
LEOTEK	TSL-12RA-LD-A1		
LEOTEK	TSL-12RA-IL6-A1-P3		
LEOTEK	TSL-12R-IL6-A1-P3		
LEOTEK	TSL-12GA-LD-A1-CLR		
LEOTEK	TSL-12GA-IL6-A1-P3-CLR		
LEOTEK	TSL-12G-LX-IL6-A1-P3-CLR		
LEOTEK	TSL-12RA-IL6-A1		
LEOTEK	TSL-PED-16-SPC-V1		
LEOTEK	TSL-12R-LX-IL6-A1-P2		
LEOTEK	TSL-12Y-LX-IL6-A1-P2		
LEOTEK	TSL-PED-16-CIL-P1		
LEOTEK	TP12N-CD		
LEOTEK	TSL-12YA-IL6-A1		
LEOTEK	TSL-12G-LX-IL6-A1-PS-CLR		
LEOTEK	TSL-PED-16-SPC-V1-SW		
LEOTEK	TP12H-HM		
LEOTEK	TSL-12GA-IL5-A1-CLR		

CMS 732.07 Loop Detector Units, NEMA TS-1, NEMA TS-2:			
Manufacturer	Model / TEES compliance	Build Number	Build Date
Eberle Design/AZ	ORACLES/S1		
Eberle Design/AZ	ORACLES 4E		
Eberle Design/AZ	ORACLES/S2		
Eberle Design/AZ	ORACLES 2E		
Eberle Design/AZ	LMD622 Series		
Eberle Design/AZ	LMD624 Series		

CMS 732.08 Loop Detector Units, Delay and Extension Type, NEMA TS-1:			
Manufacturer	Model / TEES compliance	Build Number	Build Date
Eberle Design/AZ	ORACLE/S2		
Eberle Design/AZ	ORACLE/S1		
Eberle Design/AZ	LMD302TS		
Eberle Design/AZ	LMD602T		
Eberle Design/AZ	LMD622T		
Eberle Design/AZ	LMD624T		
Eberle Design/AZ	ORACLE 2E		
Eberle Design/AZ	ORACLE 4E		
Eberle Design/AZ	LMD301TS		
Eberle Design/AZ	LMD 301 Series		
Eberle Design/AZ	LMD604T		
Global Traffic Technologies	CANOGA 9004		

CMS 733.02 F / Supp 1104 (2070E CONTROLLERS):			
Manufacturer	Model / TEES compliance	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 733.02 G (2070LX CONTROLLERS)(CONTROLLER UNIT TYPE 2070E WITH 2070-IC CPU):			
Manufacturer	Model / TEES compliance	Build Number	Build Date
Econolite/Safetran	2070C	06.06.00	5/24/2016
Intelight	2070LX	1.9.5 Build 495	1/27/2017
Siemens	2070LX	1.4.0.0.0.0	8/1/2016

CMS 733.03 Cabinets, NEMA TS-1, TS-2:			
Manufacturer	Model / TEES Compliance	Part Number	Comment
Mobotrex-Eagle Traffic Control System	EAGLE TS1		
Mobotrex-Eagle Traffic Control System	EAGLE TS2		
Path Master, Inc	PATH MASTER TS1		
Path Master, Inc	PATH MASTER TS2		
Traffic Control Prod	TS1-MSX603016		
Traffic Control Prod	TS1-M503016		
Traffic Control Prod	TS1-P594426		
Traffic Control Prod	TS2-M503016		
Traffic Control Prod	TS2-MSX603016		
Traffic Control Prod	TS2-P594426		

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
Mobotrex	332L / 2009	JBS2332LTOH01	w/206L power supply
Mobotrex	336L / 2010	JBS2336LTOH01	w/206L power supply

733.09 Uninterruptible Power Supply			
Manufacturer	Model	Part Number	Comment
Alpha Technologies	Traffic UPS System		
Multilink, Inc	EP 2200-T		

733.09C UPS-Battery			
Manufacturer	Model	Part Number	Comment
C & D Technologies, Inc	UPS12-400MR		
Interstate All Battery Center	SLA1185		
MK Powered	8A31DT		

809.05.A - CCTV IP-Camera System, Dome-Type			
Manufacturer	Model	Part Number	Comment
TKH/Optelecom / Siquira	HSD820v2H3	HSD820/E	Provide with Local Camera Control Unit and AMP Connector/Adapter
COHU	3920	3920 SD24-1000	Provide with Local Camera Control Unit and AMP Connector/Adapter

809.05.B - CCTV IP-Camera System - Tunnel / Wall			
Manufacturer	Model	Part Number	Comment
COHU	3960	3960 HD37-8000	Provide with Local Camera Control Unit and AMP Connector/Adapter
Wireless Technologies Inc	Sidewinder	SW720-24-H.264-HD30	Provide with Local Camera Control Unit and AMP Connector/Adapter

809.05.C - CCTV IP-Camera System - Portable			
Manufacturer	Model	Part Number	Comment
Mobile Pro Systems	Commander 3400	MPS3400-15735-1	w/ both generator and solar charging options
Wanco	WCT-YX	WCT-YX-0000-09A	w/ both generator and solar charging options
Systems shall be configured with cameras listed in 809.05.A or 809.05.B or POE versions of those listed			

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

809.06.A - CCTV Concrete Pole with Lowering Unit			
Manufacturer	Model	Part Number	Comment
MG Squared		CLDMG2-HYPIP+7-082CON-WCD-PELIC	Including 130 ft of composite cable

809.06.B - CCTV Lowering Unit			
Manufacturer	Model	Part Number	Comment
MG Squared		CLDMG2-HYPIP+7-070MH	Including 130 ft of composite cable

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

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

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

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

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

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

809.09.B ITS Cabinet - Pole-Mounted			
Manufacturer	Model	Part Number	Comment
Southern Manufacturing		SOUH-WE3RAL1-8T462422	
Traffic Control Products		ITS-336-V4.2	

809.09.C ITS Cabinet - Power Distribution Cabinet (PDC)			
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 3.0.2 or later	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 or later	
Wapiti Micro Systems	Traffic View 32	1.50.19 or later	

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	Requires SEPAC / SEMARC / TEMPO equipped field controllers
		Tactics Ver 3.0.2 or later	
McCain, Inc.	Transparity TMS	TMS	
Econolite Control Products	Centracs ATMS	Ver 1.10.12.13 or later	
Intelight	MaxView ATMS	1.8.10015.517 or later	

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 SEPAC 3.34h Software or later	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
Tomar Electronics, Inc.	Optical Intersection Equipment	4000 Series Strobecom II Optical Signal Processors and Detectors	
Tomar Electronics, Inc.	Optical Intersection Equipment	OSPOC Series Optical Signal Processors	
Tomar Electronics, Inc.	Optical Intersection Equipment	DETOC Series Detectors	
Tomar Electronics, Inc.	Optical Vehicle Equipment	3065 Series Emitters	
Tomar Electronics, Inc.	Optical Vehicle Equipment	T792 Series Emitters	
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 Opticom	Optional Card Rack Model 760 or 770 if required, 768 Aux. Interface Panel if required, 1070 Detector Cable (length to be determined) Model 138
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
Traffic Systems LLC	Audible Intersection Equipment	SONEM 2000	Acoustic Pre-emption

809.10.E Traffic Signal System with Transit Priority			
Manufacturer	Product	Model\Part\Build #	Comments
Siemens	SEPAC for M-50 Series of Traffic Controllers and 2070E	M-52, 2070E, SEPAC 3.5.3 Software or later	Requires SEPAC equipped field controllers
Econolite Control Products	ASC3 NEMA - TSP Datakey	2.58.00 or later	Enabled via special datakey
Econolite Control Products	ASC3 2070 - TSP datakey	22.58.00 or later	Enabled via special datakey
Econolite Control Products	Cobalt Touch - TSP datakey	32.58.00 or later	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, 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 Opticom	Optional Card Rack Model 760 or 770 if required, 768 Aux. Interface Panel if required, 1070 Detector Cable (length to be determined) 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

809.10.F Adaptive Traffic Control System			
Manufacturer	Product	Model\Part\Build #	Comments

809.10.H ATC V5.2b Controller			
Manufacturer	Product	Model\Part\Build #	Comments

All Submittals to be sent to ODOT Traffic Operations for Approval

809.11.A Ramp Meter System - Verify with ODOT Traffic Operations before selecting product.			
Manufacturer	Product	Model\Part\Build #	Comments
Intelight	MaxTime Ramp Meter	1.1.9	

809.12.A - Side-Fired Radar Detector -Currently Listed for ODOT Use Only			
Manufacturer	Model	Part Number	Comment
Image Sensing Systems	Sx-300		

809.12.B - Advance Radar Detection			
Manufacturer	Model	Part Number	Comment
Wavetronix	SmartSensor Advance	SS200V	
Wavetronix	SmartSensor Advance Extended Range	SS200E	

809.12.C - Stop-Bar Radar Detection			
Manufacturer	Model	Part Number	Comment
Wavetronix	SmartSensor Matrix	SS225	

SS 1099 Video Detection System			
Manufacturer	Model	Part Number	Comment
ECONOLITE/CA	AU RACKVISION TERRA		
ECONOLITE/CA	AUTOSCOPE ENCORE		
Flir Systems Inc	TRAFICON VIDEO DET		
Iteris, Inc.	VANTAGE		
Peek Traf Signal Div	VIDEO TRAK IQ		

SS 1100 Spread Spectrum Radio			
Manufacturer	Model	Part Number	Comment
Encom Wireless/CN	EP-5100		
Encom Wireless/CN	EP-5270		
Encom Wireless/CN	EP-5200		
Encom Wireless/CN	EP-5171		
Encom Wireless/CN	EP-5170		
Encom Wireless/CN	COMMPAK I/P		
Encom Wireless/CN	EP-5000ESS		
GE MDS New York	ENTRANET 2400		
GE MDS New York	MERCURY		
GE MDS New York	TRANSNET 900		
GE MDS New York	MDS9810		
GE MDS New York	INET-II		
Intuicom, Inc.	COMMUNICATOR II		
Intuicom, Inc.	COMMUNICATOR T		
Intuicom, Inc.	EB-6		
Intuicom, Inc.	EB-6 PLUS		