

Disclaimer: This list is for reference only. This list is intended to identify previously used products on MDOT-Let projects. This list is not a qualified products list (QPL) and inclusion does not guarantee a product will be accepted on future projects. The list is subject to change. The Special Provision(s) for each project take precedence over this list when determining which product(s) are acceptable on a project.

## PREVIOUSLY USED PRODUCTS – MDOT TRAFFIC SIGNALS

CATEGORY	APPLICABLE SP	PREVIOUSLY USED PRODUCT(S)
Traffic Signal Cabinets (w/Ancillary Devices)	National Electrical Manufacturers Association Type Traffic Signal Cabinet (20SP-820Z-01)	Mobotrex NEMA TS Cabinets Econolite NEMA TS Cabinets
Traffic Signal Controller Units (Hardware & Firmware)	National Electrical Manufacturers Association Type Advanced Transportation Controller Modified-20SG820(A045).docx	Econolite Cobalt NEMA ATC
	National Electrical Manufacturers Association Type Advanced Transportation Controller-20SG820(A005).docx	Siemens m60 NEMA ATC (FW 4.58c or latest) Econolite Cobalt NEMA ATC (FW 03.01.17 or latest)
Malfunction Monitoring Units	National Electrical Manufacturers Association Type Traffic Signal Cabinet (20SP-820Z-01)	EDI Smart Monitor MMU2-16LE(ip)
Vehicle Detection Systems	Video Traffic Detection System (20SP-820T-01)	Iteris Vantage Next
	Video Traffic Detection System (Mini)	Iteris Vantage Next
	Hemispherical Video Detection (20SP-820N-01)	Cubic Gridsmart
	Multi-Sensor (Video and Radar) Vehicle Detection System (20SP-820X-01)	Iteris Vantage Vector
	Radar Vehicle Presence Stop-Bar Detector (20SP-820R-01)	Wavetronix SmartSensor Matrix
	Radar Vehicle Dilemma Zone Detector (20SP-820V-01)	Wavetronix SmartSensor Advance Extended Range
	Microwave Vehicle Detector (20SP-820H-01)	MS Sedco TC-CK1-SBE Intersector
	Wireless Vehicle Detection System (20SP-820W-01)	Sensys Flexmag
Emergency/Transit Preemption Systems	N/A	Per Local Agency Request - GTT Opticom
Cellular Modems	Cellular Modem, Traffic Signal (20SP-820B-02)	DIGI WR31
Spread Spectrum Radios	Wireless Interconnect for Closed Loop Traffic Signal System (20SP-820DD-01)	Encom Broadband Radio
	Traffic Signal Wireless Communications Link (20SP-820P-01)	Encom Broadband Radio

CATEGORY	APPLICABLE SP	PREVIOUSLY USED PRODUCT(S)
Switches	Traffic Signal Managed Field Ethernet Switch, Copper Only (20SP-820L-01)	Dymec KY-3170
Solar Power Devices	Solar Power Flashing Beacon, Single or Dual (20SP-820Q-01)	TAPCO BlinkerBeacon * Carmanah R247-E, R247-F *  *MDOT is currently reevaluating solar powered devices to better align solar panel and battery bank sizes with MDOT needs
Battery-Operated Devices	Traffic Signal Uninterruptible Power System (20SP-820HH-01)	Clary SP 2000LX Clary SP 1250LX
Pushbuttons	Accessible Pedestrian Signal System (20SP-820CC-01)	Polara Bulldog 3 (standard pushbutton) Polara iNavigator (accessible pushbutton)
Remote Flashers (radios & system)	N/A	Carmanah R829-F RTC Guardian (Compatible w/Carmanah R829 with RTC Guardian-Carmanah)
Other	Light Emitting Diode Optically Programmed Traffic Signal-20SG820(A025).docx	McCain Programmable Traffic Signal
	Rectangular Rapid Flashing Beacon-20RD820(A240).docx	Carmanah R920-E, R920-F, SC315-G
	Wireless Data Acquisition Alerts and Analytics System-20RD820(B310).docx	N/A; Unique Application w/ Traverse City & Ann Arbor Scoot Systems
	Global Positioning System Time Synchronization Module (20SP-820K-01)	Garmin GPS 16x RTC TR-4
	Solid-State Flashing Beacon Controller and Cabinet (20SP-820O-01)	N/A; Usually compiled by C&G on case-by-case basis with MDOT approved parts.