

## Section 4

### TRAFFIC CONTROL PRODUCTS WITH REQUIRED APL LISTING AND PRODUCT RETENTION

#### 4.1 PURPOSE

The objective of this section is to provide a list of official traffic control signals and devices and ancillary devices that require listing on the APL (Certified Process), and products retained by the TERL post-APL certification (refer to **Section 10.5**). Products are organized based on FDOT specification number and APL product type. Products conforming to specifications not retained by the TERL post-APL certification are indicated by an asterisk (\*); all other products will be retained. Products typically listed as a series are underlined. This list is not intended to be all-inclusive (only known products are listed).

#### 4.2 LIST

Official Traffic Control Signals and Devices	Ancillary Devices
102 Maintenance of Traffic (shown under 990 in Division III of the Standard Specifications for Road and Bridge Construction (SSRBC))	
Portable Arrow Board*	
Portable Changeable Message Sign*	
Portable Regulatory Sign*	
Portable Radar Speed Display Unit*	
Portable Traffic Signal*	
Truck Mounted Changeable Message Sign*	
Automated Flagger Assistance Device*	
620 Grounding and Lightning Protection (shown under 996 in Division III of the SSRBC)	
	<u>Surge Protective Device for 120V or 120/240V Power*</u>
	<u>Surge Protective Device at Point of Use*</u>
	<u>Surge Protective Device for Low Voltage Power, Control, Data and Signal Systems*</u>

Official Traffic Control Signals and Devices	Ancillary Devices
635 Pull, Splice and Junction Boxes (shown under 996 in Division III of the SSRBC)	
	<u>Pull Box and Cover*</u>
	<u>Splice Box*</u>
641 Prestressed Concrete Poles (shown under 996 in Division III of the SSRBC)	
	Camera Lowering Device*
650 Vehicular Traffic Signal Assemblies (shown under 995 in Division III of the SSRBC)	
Vehicular Traffic Signal Assemblies (housing and module)	
	Vehicular Traffic Signal Housings*
Light-Emitting Diode (LED) Optical Unit	
<u>Backplate (Retroreflective)*</u>	
	Louvers/Visors*
653 Pedestrian Signal Assemblies (shown under 995 in Division III of the SSRBC)	
Pedestrian Signal Assemblies (housing and module)	
	Pedestrian Signal Housings*
	Pedestrian Signal Assembly Hardware*
Light Emitting Diode (LED) Pedestrian Signal Optical Unit	
654 Midblock Crosswalk Enhancement Assemblies (shown under 995 in Division III of the SSRBC)	
In-Roadway Light Assemblies	
Rectangular Rapid Flashing Beacon (RRFB) Assemblies	
RRFB – Accessible Pedestrian Pushbutton	
659 Mast Arm, Span Wire and Pole Mounting Assemblies (shown under 995 in Division III of the SSRBC)	
	Mast Arm Mounting Assemblies for Signals, Signs, Cameras and Detectors*
	Span Wire Mounting Assemblies for Signals, Signs, Cameras and Detectors*
	Pole and Pedestal Mounting Assemblies*
660 Vehicle Detection System (shown under 995 in Division III of the SSRBC)	

<b>Official Traffic Control Signals and Devices</b>	<b>Ancillary Devices</b>
Inductive Loop Detector Units	
Video Vehicle Detection System	
Microwave Vehicle Detection System	
LiDAR Vehicle Detection System	
	Traffic Data Detection System - Microwave
	Traffic Data Detection System - Video
	Traffic Data Detection System - LiDAR
Wireless Magnetometer Detection System	
	Automatic Vehicle Identification Detection System
Wrong Way Detection System	
<b>663 Signal Priority and Preemption Systems (shown under 995 in Division III of the SSRBC)</b>	
Signal Priority and Preemption System	
<b>665 Pedestrian Detection System (shown under 995 in Division III of the SSRBC)</b>	
Standard Pedestrian Pushbutton Detector	
Accessible (Audible/Tactile) Pedestrian Pushbutton Detector	
Passive Pedestrian Detector	
<b>671 Traffic Controllers (shown under 995 in Division III of the SSRBC)</b>	
NEMA TS2 Controller	
Model 2070 Controller	
<b>676 Traffic Cabinets (Wired) (shown under 995 in Division III of the SSRBC)</b>	
NEMA Controller Cabinet	
Type 170 Traffic Signal Controller Cabinet	
Model 552A Controller Cabinet	
Intelligent Transportation System (ITS) Cabinet	
	Traffic Signal Cabinet Surge Protective Device*
<b>676 Traffic Cabinets (Unwired) (shown under 995 in Division III of the SSRBC)</b>	

Official Traffic Control Signals and Devices	Ancillary Devices
	NEMA Controller Cabinet*
	Type 170 Traffic Signal Controller Cabinet*
	Model 552A Controller Cabinet*
	ITS Cabinet*
	Small Equipment Enclosure*
<b>678 Traffic Controller Accessories (shown under 995 in Division III of the SSRBC)</b>	
NEMA Conflict Voltage Monitor	
NEMA Malfunction Management Unit	
Load Switch	
Flasher	
Time Switch	
Traffic Controller Master Clock Unit	
Type 170 Conflict Monitor	
Type 170 Power Supply Module	
Bus Interface Unit	
<b>680 System Control Equipment (shown under 995 in Division III of the SSRBC)</b>	
Adaptive Signal Control System	
<b>682 Video Equipment (shown under 996 in Division III of the SSRBC)</b>	
	<u>CCTV Camera - Dome</u>
	<u>CCTV Camera - External Positioner</u>
	<u>CCTV Camera – Fixed</u>
	<u>CCTV Camera – Thermal/Visible Hybrid</u>
<b>684 Network Devices (shown under 996 in Division III of the SSRBC)</b>	
	<u>Managed Field Ethernet Switch</u>
	<u>Device Server</u>
	Digital Video Encoder

Official Traffic Control Signals and Devices	Ancillary Devices
	<u>Media Converter</u>
685 Traffic Control System Auxiliaries (shown under 996 in Division III of the SSRBC)	
	<u>Uninterruptible Power Supply</u>
	Remote Power Management Unit
700 Highway Signing (shown under 995 in Division III of the SSRBC)	
<u>Electronic Warning Sign*</u>	
Electronic Regulatory Sign	
Electronic Guide Sign*	
<u>Blank-Out Sign</u>	
<u>Electronic Speed Feedback Sign*</u>	
<u>Front Access Dynamic Message Sign*</u>	
<u>Walk-In Dynamic Message Sign*</u>	
<u>Embedded Dynamic Message Sign*</u>	
<u>Internally Illuminated Sign*</u>	
<u>Highlighted Sign*</u>	
<u>Sign Beacon</u>	
706 Raised Pavement Markers and Bituminous Adhesive (shown under 970 in Division III of the SSRBC)	
<u>Internally Illuminated Raised Pavement Marker (Class E)</u>	

### 4.3 DOCUMENT HISTORY

Rev	Description	Authored and Checked	Reviewed	Approved	Approval Date
1.0	New Product Certification Handbook section	A. Burleson	D. Vollmer R. Meyer J. Morgan T. Tillander	M. Wilson	05/04/2012
2.0	Clarification of description for transient protection device listed in A639, move product from “ancillary” column to “meet specs” column.	R. Meyer	J. Morgan	M. Wilson	05/22/2012
3.0	Changed handbook section from 4.0 to 3. No content change.	A. Burleson	J. Morgan	M. Wilson	05/23/2012

4.0	Addition of transfer switches under specifications A639, 639 since these devices are listed on the APL, revisions of section/sub-section numbers, and removal of unnecessary hyperlinks.	A. Burleson	J. Morgan	M. Wilson	07/02/2012
5.0	Moved Junction Box from ancillary column to not listed on APL column based on directive from J. Morgan.	R. Meyer	J. Morgan	M. Wilson	07/24/2012
6.0	Revised section A676 on cabinets to show wired cabinets as official traffic control devices versus unwired cabinets considered ancillary devices; also revised paragraph 3.1.	A. Burleson	J. Morgan	M. Wilson	08/17/2022
7.0	Revisions throughout document to reflect merged specifications. Also, addressing legal office comments.	A. Burleson R. Meyer J. Morgan	J. Morgan	M. Wilson	02/07/2013
8.0	Revisions throughout document to continue reflecting merged specifications. Removed list of devices not listed on the APL, cross-references to specifications for each product and products that are permitted.	A. Burleson	J. Morgan	M. Wilson	08/05/2013
9.0	Revisions throughout document to continue reflecting merged specifications.	A. Burleson R. Meyer	J. Morgan	M. Wilson	01/24/2014
10.0	Clarified devices listed under specification A659 to better match those listed on the APL.	J. Morgan	J. Morgan	M. Wilson	01/29/2014
11.0	Updated position title for Mark Wilson in document control panel. Clarified that (a) vehicular traffic or pedestrian signal housings and back plates (standard) are ancillary devices and (b) vehicular or pedestrian signal assemblies and back plates (retroreflective) are official traffic control devices. Revised specification numbers to reflect change from MSTCSD to SSRBC and general specification updates.	A. Burleson K. Moser	J. Morgan	M. Wilson	01/08/2015
12.0	Revised product names in 659. Added the following: (a) Stationary-Type CCTV Camera in 682; (b) Pedestrian Signal Assembly Hardware in 653; (c) ITS Cabinet (Unwired) in 676; (d) Electronic Guide Sign in 700; and (e) Portable Highway Advisory Radio in 990/102. Removed specifications 670 and 781 since there are no APL listed products in these categories.	R. Meyer A. Burleson K. Moser	J. Morgan	M. Wilson	07/22/2015
13.0	Updated products in specifications 102, 650, 660, 671, 676, and 678.	J. Morgan A. Burleson C. Raimer	D. Vollmer M. DeWitt	T. Tillander	07/09/2020
14.0	Updated products in specifications 650, 654, 665, 676, 682, 685. Added new specification 706. Added information on APL products retained by the TERL post-certification.	M. DeWitt A. Burleson M. Tomatani	D. Vollmer M. DeWitt W. Geitz	J. Easterling	07/01/2022
15.0	Added more devices to the list of devices not retained by TERL. Updated device	A. Burleson	R. Meyer D. Vollmer M. DeWitt	R. Powell	12/08/2023

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	names. Added new and removed obsolete devices.		W. Geitz		
16.0	Specified product types listed as a series.	A. Burleson	R. Meyer D. Vollmer M. DeWitt W. Geitz	R. Powell	05/09/2024