

# EXPECTED IMPLEMENTATION JULY 2024 (FY 2024-25)

## **603 GENERAL REQUIREMENTS FOR TRAFFIC CONTROL SIGNALS AND DEVICES.**

(REV 8-10-23) (FA 9-18-23) (FY 2024-25)

SUBARTICLE 603-2.6 is deleted and the following is substituted:

**603-2.6 Environmental Specifications:** Ensure system electronics intended for installation outdoors or within a roadside cabinet satisfactorily performs all required functions during and after being subjected to the environmental testing described in National Electrical Manufacturers Association (NEMA) TS 2-2021, Sections 2.2.7, 2.2.8, and 2.2.9.

ARTICLE 603-3 is deleted and the following is substituted:

### **603-3 Definitions.**

**Traffic Control Signals and Devices:** Any signal or device; manually, electrically, or mechanically operated, by which traffic is alternately directed to stop and permitted to proceed or controlled in any manner. Traffic control signals and devices regulate, warn, or guide traffic on, over or adjacent to a street, highway, pedestrian facility, or bikeway by authority of a public agency having jurisdiction. Traffic control signals and devices include controller assemblies (controller cabinets and their contents); signal heads including their hanging or mounting devices; vehicle detection systems ; pedestrian detection systems; motorist information systems, video equipment, network devices, electrically powered signs, cameras, and other equipment used within a traffic control system.

ARTICLE 603-5 is deleted and the following is substituted:

### **603-5 Submittal Data Requirements.**

Prior to the installation of equipment and within 30 days after the preconstruction conference, submit a listing of all traffic control signals, devices, and hardware with Department APL approval numbers to the Engineer for approval on Form 750-010-02, Submittal Data - Traffic Control Equipment. Alternate or modified forms are unacceptable. Submit a separate form for each cabinet location. For non-structural equipment or materials that do not have an APL approval number, submit the manufacturer's descriptive literature and technical data fully describing the equipment to the Engineer for approval. The Engineer will submit forms received from the Contractor to the District Traffic Operations Engineer for concurrence.

Develop shop drawings for all structural support materials and other special designs, such as non-electrical, non-mechanical, or other fabricated items, which may not be specifically detailed in the Plans Provide a complete operable signal installation as

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specified in the Contract regardless of any failure of the Department to discover or note any unsatisfactory material.

ARTICLE 603-6 is deleted and the following is substituted:

## **603-6 Documentation for Electronic Equipment.**

Prior to final acceptance, submit the following documentation obtained from the manufacturer for the electronic equipment listed below:

1. Operation Manual
2. Troubleshooting and Service Manual
3. Assembly and installation instructions
4. Diagram of the field installation wiring (as applicable)
5. Warranty information

Submit documentation for the following equipment:

1. Controllers
2. Vehicle detectors
3. Load switches
4. Flasher units
5. Preemption units
6. Conflict monitors
7. Special sequence relays
8. Cameras
9. Dynamic message signs
10. Road weather information systems
11. Any other equipment which has a logic, timing, or communications function
12. Other equipment specified in the Contract Documents