

670 TRAFFIC CONTROLLER ASSEMBLIES.
(REV 7-29-14) (FA 9-10-14) (1-15)

SECTION 670 is deleted and the following substituted:

SECTION 670
TRAFFIC CONTROLLER ASSEMBLIES

670-1 Description.

Furnish and install a traffic controller assembly or flashing intersection control beacon controller assembly *as shown in the Plans. Meet the requirements of Section 603.*

670-2 Materials.

Use a traffic controller assembly or intersection control beacon controller assembly listed on the Department's Approved Product List (APL). ~~Ensure that the~~ Traffic controller assembly ~~ies or~~ and intersection control beacon controller assembly ~~ies is~~ must be permanently marked with manufacturer name or trademark, ~~as well as~~ part number and serial number. ~~Ensure that the~~ Markings ~~are~~ must be visible after installation.

Provide a traffic controller assembly consisting of a traffic controller, traffic controller accessories (including monitors, load switches, flasher, flash transfer relay, power supplies), and other equipment wired into a controller cabinet to make a complete and operational assembly. All traffic controller assemblies must provide functionality that meets or exceeds operational characteristics, including NTCIP support, as described in NEMA TS-2-2003.

670-2.1 Traffic Controller: *Meet the requirements of Section 671.*

670-2.2 Traffic Controller Accessories: *Meet the requirements of Section 678.*

670-2.3 Controller Cabinet: *Meet the requirements of Section 676.*

670-2.4 Flashing Intersection Control Beacon Controller Assembly: *A flashing intersection control beacon controller assembly must consist of a Type 3 flasher wired into a Type 1 controller cabinet to make a complete and operational assembly.*

670-3 Installation Requirements.

670-3.1 Controller Cabinets: Meet the requirements of Section 676.

670-3.2 Field Wiring: Meet the requirements of Sections 632 and 676.

670-3.3 Grounding: Meet the requirements of Sections 620 and 676.

670-3.4 Equipment Placement: Install all equipment in the cabinet in accordance with the manufacturer's recommendations.

670-4 Method of Measurement.

The Contract unit price per assembly for traffic controller assembly or intersection control beacon controller assembly will include all labor, equipment, and miscellaneous materials necessary for a complete and accepted installation.

670-5 Basis of Payment.

Prices and payments will be full compensation for all work specified in this Section. Payment will be made under:

- Item No. 670- 4- Intersection Control Beacon Controller Assembly - per assembly.
- Item No. 670- 5- Traffic Controller Assembly - per assembly.