

SECTION 671 TRAFFIC CONTROLLERS

671-1 Description.

~~This Section specifies the provisions for the measurement and payment for NEMA Types D4-4, and D8 and Model 170 controller units.~~ *Furnish and install a NEMA Model 170, Model 2070, or ATC controller unit as shown in the Plans. Meet the requirements of Section 603.*

671-2 Materials.

~~Use traffic controllers listed on the Department's Approved Product List (APL). Ensure that all traffic controllers are marked in accordance with Section 603 and the markings are visible after installation.~~ *equipment is permanently marked with the manufacturer's name or trademark, part number, and serial number.*

Controllers must meet the following applicable industry standards:

*NEMA TS1 Controller NEMA TS-1-1989
NEMA TS2 Controller NEMA TS-2-2003
Model 170 Controller CALTRANS TEES, 2009
Model 2070 Controller CALTRANS TEES, 2009
ATC Controller AASHTO/ITE/NEMA ATC 5.2b*

All controllers must provide functionality that meets or exceeds operational characteristics, including NTCIP support, as described in NEMA TS-2-2003.

671-3 Method of Measurement.

~~**671-3.1 General:** Measurement for payment will be in accordance with the following work tasks.~~

~~**671-3.2 Furnish and Install:** The Contract unit price each for traffic controller unit, furnished and installed, will include furnishing a controller unit and harness cable as specified in the Contract Documents, and all labor and miscellaneous materials necessary for a complete and accepted installation.~~

~~**671-3.3 Furnish:** The Contract unit price each for traffic controller unit, furnished, will include the controller unit and harness cable as specified in the Contract Documents, plus all shipping and handling costs involved in delivery as specified in the Contract Documents.~~

~~**671-3.4 Install:** The Contract unit price each for traffic controller unit, installed, will include all labor, equipment, and miscellaneous materials necessary for a complete and accepted installation. The Engineer will supply all materials as specified in the Contract Documents.~~

~~**671-3.5 Modify:** The Contract unit price each for traffic controller unit, modified as specified in the Contract Documents, will include all labor, equipment, and miscellaneous materials necessary for a complete and accepted installation.~~

671-4 Basis of Payment.

~~Price and payment will be full compensation for all work specified in this Section.~~

~~Payment will be made under:~~

~~Item No. 671-2 Traffic Controller each.~~

No separate payment will be made for the controller; payment is included with the Traffic Controller Assembly.

