

ITEM 693

TRAFFIC SIGNAL LAMPS

- 693.1 Description. This Item shall govern for the minimal requirements for a traffic signal lamp, for use in various traffic control signals.
- 693.2 General. The traffic signal lamp shall meet the requirements of this Item, and the latest approved standard accepted by the Institute of Traffic Engineers (ITE). Where a difference occurs, these requirements shall govern.
- 693.3 Design Requirements. The traffic signal lamps shall have the following characteristics:
1. Brass base.
 2. 130 volt operating voltage
 3. Minimum 7500 hour rated life.
 4. Minimum 85% krypton gas filled.
 5. Tungsten filament.
 6. Minimum 7 filament supports equally distributed on filament.
 7. Maximum 180 wattage. Minimum 150 watts.

The supplier shall be prepared to provide test reports to support the conformance to this Item.

The glass envelope of each lamp shall be indelibly marked to show the manufacturer's identification, the rated voltage, the rated lumens, and orientation of the lamp for proper burning position.

Traffic Signal lamps under this Item shall be guaranteed for a period of 180 days from the date of completion. If the traffic signal lamp fails, the Contractor, at no cost to Harris County, will furnish all labor, equipment, and materials necessary to replace the traffic signal lamp.

- 693.4 Measurement and Payment. Traffic Signal Lamps when supplied as part of a traffic signal head assembly, will not be paid for directly, but shall be incidental to assemblies defined by Item 690 "Traffic Signal Heads" and/or Item 691 "Twelve- Inch Signal Head with Programmable Visibility of Signal Faces", any pertinent Special Provisions and Standard Drawings (if applicable).

There are no line code(s), description(s), or unit(s) for this Item.

NOTE: This Item requires other Standard Specifications

Item 690 "Traffic Signal Heads"

Item 691 "Twelve- Inch Signal Head with Programmable Visibility of Signal
Faces"

END OF ITEM 693