

Special Specification 8030

Vehicle and Pedestrian Signal Heads (Materials Only)



1. DESCRIPTION

Furnish and deliver vehicle and pedestrian signal heads to a site specified in the proposal.

2. MATERIALS

Furnish only new materials.

2.1 **Definitions.** This Item uses the following terms:

- **Back Plate.** A thin strip of material extending outward from all sides of a signal head.
- **LED Optical Unit.** The LED lens and associated supporting parts in a signal section.
- **Louver.** A device mounted to the visor restricting signal face visibility.
- **Signal Section.** One housing case, housing door, visor, and optical unit.
- **Signal Face.** One section or an assembly of 2 or more sections facing one direction.
- **Signal Head.** A unidirectional face or a multidirectional assembly of faces, including back plates and louvers when required, attached at a common location on a support.
- **Retroreflective Border.** A strip of fluorescent yellow retroreflective sheeting installed along the border of the face of the traffic signal backplate.

2.2 **General.** Provide vehicle signal heads in accordance with [DMS-11121](#), "Twelve-Inch LED Traffic Signal Lamp Unit." Provide prequalified vehicle signal heads from the Department's MPL.

Provide pedestrian signal heads in accordance with [DMS-11131](#), "Pedestrian LED Countdown Signal Modules." Provide prequalified pedestrian signal heads from the Department's MPL.

Supply aluminum signal head components of the same material and manufacturer.

Use galvanized steel, stainless steel, or dichromate sealed aluminum bolts, nuts, washers, lock washers, screws, and other assembly hardware. When dissimilar metals are used, ensure the metals are selected or insulated to prevent corrosion.

Use closed-cell silicone or closed-cell neoprene gaskets.

Provide flat surface fluorescent yellow retroreflective border sheeting in accordance with [DMS-8300](#), "Sign Face Materials." Provide prequalified fluorescent yellow retroreflective border sheeting from the Departments MPL. Ensure that the sheeting exhibits uniform color, appearance, and retro reflectivity when viewed both day and night. Use retroreflective sheeting from the same manufacturer for the all traffic signal backplate borders installed on the same traffic signal mast arm.

3. MEASUREMENT

This Item will be measured by each Pedestrian Signal Section, Vehicle Signal Section Back Plate with Retroreflective Border, or Louver.

4. PAYMENT

Material (Delivery) The materials furnished in accordance with this Item and measured as provided under "Measurement" will be paid for at the unit price bid for "Pedestrian Signal Section," "Vehicle Signal Section," "Back Plate w/Retroreflective Border," or "Louver," of the types and sizes specified.

This price is full compensation for furnishing the signal sections, back plates with retroreflective borders and louvers, and lenses and optics; mounting attachments; and incidentals.