

ITEM 0107501

BARRICADE WARNING LIGHTS

DESCRIPTION

This item shall include furnishing, erecting, maintaining and adjusting designated type barricade warning lights on signs, barricades, traffic drums and elsewhere as ordered by the Engineer.

REFERENCED ITEMS

Items 0107301 and 0107601

REQUIRED SUBMITTALS

Material Certificate of Compliance:

Submit 5 copies of material certificate of compliance for warning lights in accordance with the contract general requirements.

MATERIALS

Barricade warning lights shall be portable lens-directed enclosed light. The light emitted shall be yellow and the light shall be used in a flashing mode. Barricade warning lights shall be in accordance with the requirements of the Institute of Transportation Engineers Standard for Flashing and Steady-Burn Barricade Warning Lights and the following table:

| | Type A Low Intensity |
|-------------------------------|-----------------------------|
| Lens Directional Faces | 1 or 2 |
| Flash Rate Per Minute | 55 to 75 |
| Flash Duration 1 | 10% |
| Minimum Effective Intensity 2 | 4.0 Candelas |
| Minimum Beam Candle Power | ----- |
| Hours of Operation | Dusk to Dawn |

1. Length of time that instantaneous intensity is equal to or greater than effective intensity.
2. These values must be maintained within a solid angle 9 degrees on each side of the vertical axis and 5 degrees above and 5 degrees below the horizontal axis.

CONSTRUCTION METHODS

Barricade warning lights shall be used as follows:

1. **TYPE A**

Low-intensity flashing warning lights shall be mounted on separate portable supports, on Class II barricades (See Item 0107301), traffic drums (See Item 0107601) or on vertical channeling devices.

The Contractor shall maintain and relocate the units and, upon final removal dispose of them.

2. **CERTIFICATION REQUIRED**

The Contractor shall submit a certification issued by the manufacturer certifying that the barricade warning lights to be used meet all the requirements of this specification.

METHOD OF MEASUREMENT

Measurement for barricade warning lights shall be by the number of each (EA) barricade warning light furnished and accepted. Measurement will be made only once for each barricade warning light furnished regardless of the length of time, adjustment, or relocation necessary to complete the work

BASIS OF PAYMENT

This item shall be paid for by the number of each (EA) complete and working "BARRICADE WARNING LIGHTS". All materials, equipment, tools, labor and work incidental to furnishing, maintaining (lens and batteries), changing location, removing and disposing of the units shall be included in the unit price for barricade warning lights.

PAY ITEM

0107501

DESCRIPTION

Barricade Warning Lights

PAY UNIT

EA