

Special Specification 6072

Modular Glare Screens for Headlight Barrier



1. DESCRIPTION

Furnish, install, move, maintain and remove modular glare screens mounted on concrete traffic barrier as shown on the plans or as directed.

2. MATERIALS

Furnish rail units consisting of vertical blades mounted on a horizontal base rail for screening units.

Furnish new base rails and blades meeting the requirements of Departmental Materials Specification DMS-8610, "Modular Glare Screens for Headlight Barrier". Provide that the cumulative nominal length of the rail units be equal to the length of the individual sections of portable concrete traffic barrier on which they are installed so that the joint between barrier sections will not be spanned by any 1 rail unit.

Provide blades so that object marker OM2-1V, conforming to the Texas Manual on Uniform Traffic Control Devices, can be attached to the top. Attach 1 object marker every 10 to 12 ft.

Screening sections will be furnished by the Department when shown on the plans. Screening sections furnished by the Department will be at a stockpile location shown on the plans.

3. CONSTRUCTION

Install screening sections in accordance with the details shown on the plans or as directed.

- 3.1. **Anchoring.** Secure the base rail to the top of the concrete traffic barrier by means of a mechanical system with a minimum pull-out and shear strength of 3,000 psi. Provide corrosion resistant connecting hardware and brackets.

Insure that upon removal of the rail units, no protrusions remain on the top face of the concrete traffic barrier.

- 3.2. **Maintenance.** Clean the object markers as directed.

Repair or replace and install any materials damaged or lost by the Contractor's operations at the Contractor's expense. Materials damaged by other reasons and replaced and installed by the Contractor will be measured for payment.

4. MEASUREMENT

This Item will be measured by the foot, measurement being made along the horizontal base rail.

5. PAYMENT

The work performed and the materials furnished in accordance with this Item and measured as provided under "Measurement" will be paid for at the unit price bid for "Modular Glare Screens" of the work category (Furnish and Install, Designated Source, Move, Stockpile, or Remove). This price includes materials, labor, equipment, tools, cleaning of the object markers and incidentals.

- 5.1. **Furnish and Install.** This price is full compensation for furnishing and installing screening and connection hardware.
- 5.2. **Designated Source.** This price is full compensation for delivering and installing Department-furnished screening and connection hardware from a designated source.
- 5.3. **Move.** This price is full compensation for moving screening installations on the project from one location to another (including disassembly and reassembly costs), moving screening from an installation on the project to a temporary storage area (including disassembly costs), and moving screening from a temporary storage area to an installation site on the project (including assembly costs).
- 5.4. **Stockpile.** This price is full compensation for removing screening and connection hardware from the project and delivering to the Department stockpile area shown on the plans or as directed.
- 5.5. **Remove.** This price is full compensation for removing screening and connection hardware from the project and retained by the Contractor.