

SECTION 00822 - GLARE SHIELDS

(Follow all instructions and make all edits with "Track Changes" turned on. This Section is not published in the Oregon Standard. If there are no instructions [purple text] above a subsection, paragraph, sentence, or bullet, then include it in the Project, unless the item(s) that are included in the subsection, paragraph, sentence, or bullet are not required on the Project and then they should be deleted. In general do not re-number or re-letter subsections when item(s) are deleted. Delete all purple text before preparing the final document. All other modifications to this Section will require ODOT Technical Resource and State Specifications Engineer approval.)

Section 00822, ~~which~~ is not a Standard Specification and is included in this Project by Special Provision.

Description

00822.00 Scope - This Work consists of furnishing and installing glare shields on concrete median barrier.

Materials

00822.10 Materials - The Contractor has the option of providing modular glare shields or individual glare shields as specified.

- Furnish glare shields from the QPL.
- Furnish steel base plate brackets fabricated from ASTM A304 stainless steel or merchant quality mild carbon steel. Furnish Mmild carbon steel brackets ~~shall be that are~~ hot-dip galvanized after fabrication according to AASHTO M 111 (ASTM A123).
- Furnish bolts, nuts, inserts, washers and other necessary assembly hardware made from ASTM A304 stainless steel or mild carbon steel. Equip exposed hardware with vandal resistant lock nuts or similar. Furnish mechanical inserts, if used, suitable for dynamic application. Galvanize carbon steel assembly hardware according to AASHTO M 111 (ASTM A123).

Furnish Al base plate brackets and necessary assembly hardware installed in a continuous run ~~shall be~~ of all the same material.

Construction

00822.40 Construction - Install the glare shields according to the following:

- Recess inserts at least 1/4 inch below the concrete barrier surface.
- Install all glare shield blades vertical and true to line.
- Place glare shields according to the manufacturer's recommendation.

- Install so that the angle of light coming through from the other side does not exceed 22°.
- Firmly attach the base plate anchor bolts to the concrete barrier to withstand a 1,000 pounds vertical pull and to prevent horizontal and rotational displacement. Space modular unit anchor bolts as recommended by the manufacturer.
- ~~Furnish~~ ~~M~~ modular or single element glare shields that are installed in a continuous run ~~shall be of~~ from the same manufacture and of like appearance throughout the entire installation.

Measurement

00822.80 Measurement - The quantities of glare shields will be measured on the length basis, along the line and grade of each run.

Payment

00822.90 Payment - The accepted quantities of glare shields will be paid for at the Contract unit price, per foot, for the item "____ Inch Glare Shields".

The length of the blades ~~will be~~ is inserted in the blank.

Payment will be payment in full for furnishing and placing all Materials, and for ~~furnishing~~ providing all Equipment, labor, and Incidentals necessary to complete the Work as specified.