



6210 - SPECIFICATION FOR METAL BEAM GUARD RAIL

6210 - 1 DESCRIPTION

- 1.01 The work shall consist of metal beam guard rail erected at the locations and in conformity with the dimensions and other details shown on the plans or designated by the Engineer.

6210 - 2 MATERIALS

- 2.01 Material for metal beam guard rail will be supplied and paid for by the Department.

6210 - 3 CONSTRUCTION

- 3.01 The Contractor shall repair or replace, at no direct expense to the Department, any metal beam guard rail material damaged by his operations.
- 3.02 If untreated posts are supplied, the Contractor shall coat the butt of each post with a wood preservative. The work shall be performed on an Extra Work basis.
- 3.03 The surface cross section of the road shall be completed before the guard rail posts are installed.
- 3.04 The post hole shall be of sufficient size to provide a clear distance of five centimetres (5 cm) around the post.
- 3.05 Before the posts are backfilled, the metal beam rail shall be attached to the posts. The edges and center of the corrugated metal beam railing shall be in contact with each post. Bolts shall be tightened and exposed threads burred.
- 3.06 The height, line, and grade of the posts shall be adjusted to give the metal beam rail a uniform and pleasing appearance of line and grade.
- 3.07 The spaces around the posts shall be backfilled with earth material, free of large stones. The backfill material shall be placed in layers not exceeding fifteen centimetres (15 cm) in depth and shall be firmly tamped. If required, water may be used to aid compaction.
- 3.08 The excavation for the anchor log shall conform to the dimensions of the anchor log. The material between the anchor log and the end post shall not be disturbed any more than is necessary to install the anchor rod. The backfill material shall be placed in layers not exceeding fifteen centimetres (15 cm) in depth and shall be firmly tamped. If required, water may be used to aid compaction.
- 3.09 Damaged galvanized surfaces shall be thoroughly cleaned and painted, as directed by the Engineer.
- 3.10 If painting is included on the tender form, the metal beam rail and bolts shall be coated with one (1) application of paint. Paint shall be applied after the metal beam guard rail has been erected.

6210-4 MEASUREMENT

- 4.01 Metal Beam Guard Rail will be measured in metres. Measurement will be made from end to end along the face of the rail, including terminal sections. No extra allowance will be made for laps of splices.
- 4.02 Each anchor will be measured as a unit.

6210 - 5 PAYMENT

- 5.01 Payment for METAL BEAM GUARD RAIL will be at the contract unit price per metre. The unit price will be full compensation for unloading, storing, handling, and hauling the material; excavating holes; placing posts; attaching metal beam rail; burring the bolts; and placing, watering, and tamping the backfill material. If painting is included on the tender form, the unit price will be full compensation for painting the metal beam rail.
- 5.02 Payment for each ANCHOR will be at the contract unit price per anchor. The unit price will be full compensation for unloading, storing, handling, and hauling materials; excavating holes; placing anchor logs, rods, and hardware; and placing and tamping the backfill.