

SPECIFICATIONS FOR PLACING STEEL BEAM GUARD RAILING1064. 1. DESCRIPTION

The work will consist of hauling materials, field drilling, threading and cutting any bolts as may be required, erecting steel beam railing and cleaning railing.

1064. 3. SUPPLY OF MATERIALS

Material to be supplied by the Minister at the sources of supply specified in the Special Provisions:

Steel beam rail sections and flared ends
Steel beam bolts and nuts
Malleable washers
Lap bolts and nuts

1064. 7. CONSTRUCTION METHODS

7.1 Handling and Storage of Materials

Steel beam rail sections and flared ends shall be handled in a careful and workmanlike manner and the sections and ends shall be stored on blocks or built-up platforms

Steel beam bolts and malleable washers shall be stored separately in suitable bins for inspection, checking and handling.

7.2 Threading and Cutting Bolts

Bolts will be supplied to the Contractor in stock lengths. Bolts for the lap joints in the railing are ready for use in construction exactly as supplied, but the bolts connecting the steel beam to the rail posts are sometimes extra long and such bolts shall be given extra thread in the field in order to make a positive connection. The projecting lengths of the steel beam bolts shall be cut off in the field approximately 6 mm from the tightened nut. The Contractor shall not use packing washers in lieu of threading and cutting the bolts.

7.3 Placing Steel Beam Railing

Steel beam rail sections and flared ends shall be erected to a true alignment. Lap joints in the railing shall be bolted securely by means of lap bolts and nuts. The outside laps shall overlap the next section in the direction of the traffic flow on both sides of the bridge, except for the flared ends. The railing shall be secured to the rail posts with steel beam bolts, nuts and malleable washers. All bolts shall be tightened with standard steel beam nuts.

7.4 Cleaning

Steel beam sections and flared ends shall be cleaned by the Contractor after placing.

1064. 9. METHOD OF MEASUREMENT

Placing steel beam guard railing will be measured on a lineal metre basis. The length to be paid for shall be the total number of lineal metres between the centres of the end rail post placed on the structure in accordance with the plans or as authorized by the Engineer.

1064. 11. BASIS OF PAYMENT

Placing steel beam guard railing shall be paid for at the contract Unit Price per lineal metre for "Placing Steel Beam Guard Railing", measured as specified herein, which price will be payment in full for performing all operations herein described and all other items incidental to the work included in these Specifications.