

ITEM I6606.3260 M - TRANSITION - CONCRETE BARRIER TO CORRUGATED BEAM GUIDE RAILING

DESCRIPTION:

This work shall consist of the construction of the guide rail transition from concrete barrier on the structure to corrugated beam guide railing off the structure, at the locations indicated on the Contract Plans.

MATERIALS:

Unless specified otherwise in the Contract Plans, materials shall meet the requirements of Subsection 710-20 "Corrugated Beam Guide Railing and Median Barrier". Thrie Beam material requirements shall be the same as those for Corrugated Beam.

1. Angles, plates and blockouts shall be either ASTM A36M or A572M.
2. Where shown on plans, structural tubing shall be ASTM A500 Grade B.
3. Where shown on plans, fill plates shall be ASTM A36M; sliding plates shall be ASTM A572M.
4. The terminal connector shall be 12 gauge. The thrie beam sections shall be 10 gauge. The transition section from thrie beam to corrugated beam shall be 12 gauge.
5. Nuts and bolts shall be F568-Class 4.6 or A325M, depending upon location, as shown on the plans.
6. All components shall be galvanized in accordance with Subsection 719-01.
7. Rail sections for tangent runs shall be at least 7.62 meters in length, unless otherwise noted.
8. All welding shall conform to Section 7 of the "New York State Steel Construction Manual".

CONSTRUCTION DETAILS:

The work shall conform to the following requirements: 606-3.01, 606-3.04 and 606-3.16.

METHOD OF MEASUREMENT:

Measurement will be taken as the number of linear meters of railing between the limits indicated on the Contract Plans, measured along the axis of the railing.

BASIS OF PAYMENT:

The unit price bid per linear meter shall include the cost of all labor, equipment and material necessary to complete the work, including all costs necessary to obtain any curvature required.

The price bid shall also include the cost of back-up posts where indicated on the plans.