

**ITEM 16569.10 M - CONCRETE BRIDGE BARRIER THRIE BEAM
TRANSITION TO
CORRUGATED GUIDE RAILING**

DESCRIPTION. This work shall consist of furnishing and erecting the guide railing transition from concrete barrier on the structure to Heavy Post Corrugated Beam Guide Railing off of the structure as shown on the contract plans and in accordance with the specifications.

MATERIALS. Materials for this work shall meet the requirements:

Piece	ASTM Designation
Thrie Beam Section (12 Gauge)	A558M or A572M (A709, Grade 345 or 345W)
Thrie Beam to Corrugated Beam Transition Piece (12 Gauge)	A558M or A572M (A709, Grade 345 or 345W)
Thrie Beam Terminal Connector (12 Gauge)	A558M or A572M (A709, Grade 345 or 345W)
Square Washer	A36M (A709, Grade 250)
Flat Plate Washer	A36M (A709, Grade 250)
Bearing Plate	A558M or A572M (A709, Grade 345 or 345W)
Posts	A558M or A572M (A709, Grade 345 or 345W)
Post Blockouts	A558M or A572M (A709, Grade 345 or 345W)
Splice Plates	F568, Class 4.6
Hex Nuts	A536M Class 10S, Type HH
Round Head Square Neck Threaded Bolt	F568, Class 4.6
Washers	F536M, Type 1

The provisions of §719-01 Galvanized Coatings and Repair Methods shall apply. All welding shall conform to the Section 7 of the New York Steel Construction Manual.

When Thrie Beam Transition to Corrugated Guide Rail - Rustic is specified, the Contractor may apply either all unpainted weathering steel railing or all painted galvanized steel railing, unless the Contract Documents require a particular method of obtaining the rustic appearance. Combinations of unpainted weathering steel and painted galvanized steel will not be permitted. When weathering steel posts are used, the provision of §710-25, Material Requirements-F. Posts, shall apply.

CONSTRUCTION DETAILS. This work shall conform to the requirements of §606-3.01, §606-3.04, and §606-3.16.

METHOD OF MEASUREMENT. The quantity to be paid for Concrete Barrier Thrie Beam Transition to Corrugated Guide Railing shall be the number of transitions installed.

BASIS OF PAYMENT. The unit price bid shall include the cost of furnishing all labor, materials and equipment necessary to complete the work. No payment shall be made for those railing pieces which are replacements for those railing pieces that have been rejected.