

ITEM 569.10----25 - CONCRETE BRIDGE BARRIER THRIE BEAM TRANSITION TO CORRUGATED GUIDE RAILING

1. DESCRIPTION:

- 1.01 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 specification.

2. MATERIALS:

- 2.01 Materials for this work shall meet the requirements of the following:

PIECE	ASTM DESIGNATION
Thrie Beam Section (12 Gauge)	A709, Grade 345 or 345W
Thrie Beam to Corrugated Beam Transition Piece (12 Gauge)	A709, Grade 345 or 345W
Thrie Beam Terminal Connector (12 Gauge)	A709, Grade 345 or 345W
Square Washer	A709, Grade 250
Flat Plate Washer	A709, Grade 250
Bearing Plate	A709, Grade 345 or 345W
Posts	A709, Grade 345 or 345W
Post Blockouts	A709, Grade 345 or 345W
Splice Plates	A572 Grade 50
Hex Nuts	Grade A or Better
Round Head Square Neck Threaded Bolt	ASTM A325 Grade A
Washers	ASTM F436

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

- 2.02 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.

3. CONSTRUCTION DETAILS:

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

4. METHOD OF MEASUREMENT:

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

5. BASIS OF PAYMENT:

- 5.01 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.