

ITEM 25587.3920M -THRIE BEAM RAILING/CORRUGATED BEAM ROCK FENCE

1. DESCRIPTION:

- 1.01 Under this item the Contractor shall furnish and erect thrie beam railing/corrugated beam rock fence in areas as shown on the plans or as ordered by the Engineer.

2. MATERIALS:

- 2.01 Materials used for this work shall conform to the following requirements:

1. Thrie beam guide railing, corrugated beam and thrie beam back-up plates shall meet the requirements of Materials Specification Subsection 710-20.
2. All thrie beam sections shall be 10 gauge except the transition section which shall be 12 gauge.
3. Heavy posts and offset beams shall conform to the requirements of ASTM A36.
4. Bolts, nuts and washers shall conform to the requirements of ASTM 325.
5. All components of the railing, including nuts, bolts and washer shall be galvanized in accordance with Material Specification Subsection 719-01.

3. CONSTRUCTION DETAILS:

- 3.01 The thrie beam railing/corrugated beam rock fence, and post and rail transitions shall be erected in the position indicated on the plans and in a manner approved by the Engineer.
- 3.02 Posts shall be driven unless otherwise specified by the Engineer. The driving shall be accomplished with approved equipment and methods that will leave the posts in their final position, free of any distortion, burring or other damage. When posts are driven through asphalt concrete or a bituminous treated material, the Contractor shall take care to prevent damage to paved or treated areas. Large holes and voids caused by driving the posts shall be filled and compacted with a bituminous treated material of asphalt concrete similar to that damaged. The small area adjacent to the post disturbed during installation or where to the post disturbed during installation or where gaps exist at the post after pavement repairs shall be sealed with a bituminous material approved by the Engineer.
- 3.03 As an alternate to driving posts on unpaved medians and where site conditions are such that driving is not possible, the Contractor shall carefully excavate for all post holes. Post holes and post foundation structures shall be backfilled with backfill materials compacted in accordance with 203-3.15, Fill and Backfill at Structures, Culverts, Pipes, Conduits and Direct Burial Cables.
- 3.04 All posts shall be aligned to a tolerance of 6 millimeters for plumb and grade line.

4. METHOD OF MEASUREMENT:

- 4.01 The quantity of thrie beam guide railing/corrugated beam rock fence measured for payment will be the number of meters measured along the axis of the railing between its extreme outer limits as shown on the plans and as directed by the Engineer.

ITEM 25587.3920M - THRIE BEAM RAILING/CORRUGATED BEAM ROCK FENCE

5. BASIS OF PAYMENT:

- 5.01 The price bid shall include the cost of all labor, materials and equipment including: field work necessary to adjust, set and shim posts and/or railing, repair galvanizing after tack welding, drilling, bolting or other operations that might damage the galvanizing; and all other incidental expenses necessary to complete the work.