

CITY OF MEMPHIS – STANDARD CONSTRUCTION SPECIFICATIONS
SECTION 02841 METAL BEAM BARRIER RAIL

PART 1 - SCOPE

This work shall consist of furnishing and installing metal beam barrier rail at locations shown on the plans or as directed by the Owner and in accordance with the specifications.

PART 2 - MATERIALS

2.01 METAL BEAM RAIL.

The rail elements shall be corrugated sheet steel beams conforming to the requirements of AASHTO M 180 with the following exception: The beams shall be galvanized. The Class and Type shall be as indicated on the plans.

2.02 GUARD RAIL POSTS.

Railing posts shall be steel, and of the section, weight, and length shown on the Plans. The steel shall conform to ASTM A 36 and shall be galvanized in accordance with ASTM A 123.

2.03 GUARD RAIL HARDWARE.

A. Offset brackets of the resilient and non-resilient types shall be of such strength as to develop the full design strength of the rail elements.

B. End spring assemblies, when specified, shall be positive and of a type and design coinciding with the intent, design and strength of the railing structure, as shown on the Plans.

C. End anchor rods and accessories shall be specified and shall be of such size and strength as to develop the full design strength of the rail elements.

D. Unless otherwise specified, all steel fittings, bolts, washers, and other accessories shall be galvanized in accordance with the requirements of AASHTO M 11 or ASTM A 153, whichever may apply. All galvanizing shall be done after fabrication. Mechanically applied Zinc Coating as specified in ASTM B 454 and meeting Class 50 coating thickness shall be acceptable as an alternate for Hot-Dipped Galvanizing specified in AASHTO M 232.

E. Aluminum alloy fittings, bolts, washers and other accessories shall conform to the requirements shown on the Plans.

PART 3 – MEASUREMENT

3.01 METAL BEAM BARRIER RAIL.

Barrier rail will be measured per linear foot along the face of rail, complete in place. This measurement will include the end barriers and terminal post.

PART 4 – PAYMENT

4.01 METAL BEAM BARRIER RAIL.

The barrier will be paid for at the contract unit price per linear foot, which price will be full compensation for furnishing, placing and protection until final acceptance, complete in place.

<u>Item No.</u>	<u>Pay Item</u>	<u>Pay Unit</u>
02841-4.01	Metal Beam Barrier Rail	Linear Foot

END OF SECTION 02841