W-BEAM TERMINAL CONNECTOR

I. SPECIFICATIONS
A. TERMINAL CONNECTOR SHALL CONFORM TO THE CURRENT REQUIREMENTS OF AASHTO M180 CLASS B. CORROSION PROTECTION SHALL BE TYPES (ZINC-COATED).
B. DIMENSIONAL TOLERANCES NOT SHOWN OR IMPLIED ARE INTENDED TO BE THOSE CONSISTENT WITH THE PROPER FUNCTIONING OF THE PART, INCLUDING ITS APPEARANCE AND ACCEPTED MANUFACTURING PRACTICES.
C. BASE METAL NOMINAL THICKNESS SHALL BE 3.43.

II. INTENDED USE
A. THIS TERMINAL CONNECTOR IS USED TO CONNECT THE GUARD RAIL TO BRIDGE PARAPETS AND CONCRETE BARRIERS.
B. THE CONNECTOR IS FASTENED TO THE GUARD RAIL TERMINAL USING A BEAM TO BLOCK AND A RECTANGULAR PLATE WASHER UNDER THE HEAD AND NUT.

W-BEAM END SECTION (ROUNDED)

I. SPECIFICATIONS
A. END SECTION SHALL CONFORM TO THE CURRENT REQUIREMENTS OF AASHTO M180, CLASS B. CORROSION PROTECTION SHALL BE TYPE (ZINC-COATED).
B. THE CROSS-SECTIONAL DIMENSIONS FOR THIS PART SHALL FIT OVER THE RAIL ELEMENT.
C. DIMENSIONAL TOLERANCES NOT SHOWN OR IMPLIED ARE INTENDED TO BE THOSE CONSISTENT WITH THE PROPER FUNCTIONING OF THE PART, INCLUDING ITS APPEARANCE AND ACCEPTED MANUFACTURING PRACTICES.
D. BASE METAL NOMINAL THICKNESS SHALL BE 3.43.

II. INTENDED USE
A. THIS END SECTION IS USED IN SOME OF THE GUARD RAIL TERMINAL CONFIGURATIONS EMPLOYED WITH THE STANDARD GUARD RAIL, CORRUGATED STEEL BEAM.

COLLAPSING TUBE

I. SPECIFICATIONS
A. THE COLLAPSING TUBE SHALL BE MANUFACTURED FROM STANDARD-STRENGTH 152-mm INSIDE DIAMETER SCHEDULE 40 STEEL PIPE CONFORMING TO ASTM A53 GRADE B. AFTER CUTTING AND DRILLING THE PIPE, THE COLLAPSING TUBE SHALL BE ZINC-COATED ACCORDING TO AASHTO M111 (ASTM A123).
B. DIMENSIONAL TOLERANCES NOT SHOWN OR IMPLIED ARE INTENDED TO BE THOSE CONSISTENT WITH THE PROPER FUNCTIONING OF THE PART, INCLUDING ITS APPEARANCE AND ACCEPTED MANUFACTURING PRACTICES.

II. INTENDED USE
A. THIS COLLAPSING TUBE ELEMENT IS A COMPONENT OF THE W-BEAM CONNECTION TO BRIDGE PARAPETS AND CONCRETE BARRIERS.

W-BEAM END SECTION (BUFFER)

I. SPECIFICATIONS
A. BUFFERED W-BEAM END SECTIONS SHALL CONFORM TO THE CURRENT REQUIREMENTS OF AASHTO M180 CLASS B. CORROSION PROTECTION SHALL BE TYPES (ZINC-COATED).
B. THE CROSS-SECTIONAL DIMENSIONS FOR THIS PART SHALL FIT OVER THE RAIL ELEMENT.
C. DIMENSIONAL TOLERANCES NOT SHOWN OR IMPLIED ARE INTENDED TO BE THOSE CONSISTENT WITH THE PROPER FUNCTIONING OF THE PART, INCLUDING ITS APPEARANCE AND ACCEPTED MANUFACTURING PRACTICES.
D. BASE METAL NOMINAL THICKNESS SHALL BE 3.43.

II. INTENDED USE
A. THIS BUFFERED W-BEAM END SECTION IS USED IN TERMINAL CONFIGURATIONS FOR CORRUGATED STEEL BEAM MEDIAN BARRIER.

TERMINAL CONNECTOR BEARING PLATE

I. SPECIFICATIONS
A. BEARING PLATE SHALL BE FORMED FROM AASHTO M709 (ASTM A709) GRADE 250 STEEL PLATE AND ZINC-COATED ACCORDING TO AASHTO M111 (ASTM A123). NO PUNCHING, DRILLING OR CUTTING IS PERMITTED AFTER THE PLATE IS ZINC-COATED.
B. DIMENSIONAL TOLERANCES NOT SHOWN OR IMPLIED ARE INTENDED TO BE THOSE CONSISTENT WITH THE PROPER FUNCTIONING OF THE PART, INCLUDING ITS APPEARANCE AND ACCEPTED MANUFACTURING PRACTICES.

II. INTENDED USE
A. THIS BEARING PLATE IS USED IN CONNECTIONS OF GUARD RAIL TO CONCRETE BARRIER OR BRIDGE PARAPET.

COMMONWEALTH OF PUERTO RICO
DEPARTMENT OF TRANSPORTATION AND PUBLIC WORKS
HIGHWAY AND TRANSPORTATION AUTHORITY

MB-3
W-BEAM STRONG POST HARDWARE
SEPTEMBE 2009