BRIDGE RAILING GENERAL NOTES

THREE BEAM BRIDGE RAILING FURNISH MATERIAL ACCORDING TO THE PROVISIONS OF ICS 6.0 EXCEPT THE MATERIAL SHALL BE RAILING WIRE TYPE IV, CLASS I, 1/8" (3.175MM) DIAMETER.

STRUCTURAL STEEL-Fabricate structural steel according to CMS 6.1. ANCHERS SHALL CONFORM TO CMS 30.01. TURNS SHALL CONFORM TO THE PROVISIONS OF CMS 30.16.

FASTENING BUTTON HEAD BOLTS SHALL BE 3/8"-16 X 1/2 X 3/4" LONG WITH PLATES WASHERS UNDER THE HEAD AND A PLATE WASHER UNDER THE NUT.

3/8" x 3/8" x 3/8" x 3/8" x 3/8" HIGH STRENGTH THREADED ANCHORS, NUTS AND WASHERS SHALL CONFORM TO ASTM A194. GALVANIZED ACCORDING TO ASTM A153. INSTALL ANCHORS ACCORDING TO SCRENS. USING NON-SPARKING TOOL. CMS 30.16. ANCHORS SHALL BE FABRICATED IN THE FACTORY OR IN THE FIELD.

1/2" HIGH STRENGTH THREADED ANCHOR BOLTS, NUTS AND WASHERS SHALL CONFORM TO ASTM A194. GALVANIZED ACCORDING TO ASTM A153. CONFORM TO THE SPECIFICATIONS OF THE MANUFACTURER.

CALYHANIZE RAILING SUPPORT BRACKET ASSEMBLIES, HARDWARE AND ACCESSORIES IN ACCORDANCE WITH CMS 30.01.

REINFORCING STEEL SHALL BE ASP COATED, CMS 30.06.

Dowel Holes for Reinforcing Steel Shall Be in Accordance With CMS 30.01 USING NON-SPARKING Tool. CMS 30.20.

WOOD BLOCKS: Furnish Material Conforming to CMS 30.03.

THREE BEAM EXPANSION JOINT SHALL BE IN THE CONCRETE STRUCTURE AND ON THE APPROACH PLAINTS. THREE BEAM JOINTS SHALL BE SPACED AT AN INTERVAL NOT LESS THAN THE EXPANSION JOINT INTERVAL.

SEALING CONCRETE SURFACES: Seal the concrete removal surfaces with a non-skid sealer, in accordance with CMS 30.12.

METHOD OF MEASUREMENT: The department shall measure reinforcing not including any of the number of feet. The measurement length to or between the center of the first post-blockout on the bridge.

BASE OF PAYMENT: The department shall include all costs associated with placement, sealing of concrete, dowel holes, reinforcing steel, concrete support plates and holes in the concrete. Measuring reinforcing bars and holes in the concrete in accordance with CMS 30.12.

SECTION N-N

SECTION P-P

ALTERNATE CURB DETAILS

These details may be used for construction on sheet 2 of 3, drawing 01-01 or 01-02. Details on abutments with straight wings only will be common. The same use of steel expansion joint armors in the curving is not required. This detail is acceptable for use on the bridge.