CAST-IN-PLACE & FORMED
HOE ANCHOR BOLT OPTIONS

1. See "Hole Details on Bridge Step" and/or "Rail Section on
  Acceptance Writings".

2. See "Material Notes" for anchor bolt information.

3. Backer Pl. 1 3/8" Dia ASTM A192 1 1/2" or more
   (ASTM A572 or SS or Gr 50 or 55) used for
   structures with no overlay. 

4. Used for structures without overlay. 

5. At the normal end of the bridge rail, a 9' 4 1/2"
   W-beam section is permitted in order to achieve the
   required W-beam splice location on the MBGF.

MBGF AND END TREATMENT NOTES:
This traffic railing must beanchored to the metal beam guard
fence (MBGF) and guard fence end treatments. Determine MBGF
length at all interchanges with the roadway Design Manual
without other specified. The minimum MBGF length of need
required for anchoring the railing is 25' or MBGF plus
the test section.

CONSTRUCTION NOTES:
Part of rail post must be buried unless otherwise approved
by the Engineer. Post must be perpendicular to adjacent roadway.
Use epoxy mortar under base plates if gaps larger
than 1/8" occur.

Fully anchored guardrail must be attached to each end of rail. A
metal beam guard fence transition is not used with this rail.

W-beam splice must be furnished and capped welded for each
threaded rod.

TYPICAL POST AND BASE PLATE DETAILS

W-BEAM SPLICE ELEVATION

W-beam splice with double recessed hex

W-BEAM ELEVATION

W-beam splice with single recessed hex

Base Pl. 1 3/8" Dia ASTM A192 or SS or Gr 50

SIDE VIEW

BACKER PLATE

SHEET 2 OF 2

TRAFFIC RAIL

TYPE T631

Texas Department of Transportation
Bridge Engineering

Standard

Sheet

Revision

Printed

Scale

Mark

Material

Manuf

Grid

Notes

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Civil

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