PART SECTION AT RAIL POST

Detail B

Note: This drawing is not to scale. Follow dimensions.

PART SECTION AT RAIL POST

General Notes:
- Furnishing and installing posts and guardrail on culvert as shown on this sheet will be considered completely covered by the contract unit price for Steel guardrail, grade 50, posts 4'-0" max or alternates as certified by the Contractor and accepted by the Engineer. Shimming for alignment post heights shown will increase by the thickness of the pad.
- Pads and base plates shall be fabricated from ASTM A369 Grade 36 steel and galvanized.
- Fabrication of structural steel shall be in accordance with Sec 606 except as shown.
- Furnishing and installing posts and guardrail on culvert shall be in accordance with Sec 506 except as shown.
- Rail posts shall be seated on elastomeric pads having the same dimensions as the post base plate and 1/16" thickness. Such pads may be any elastomeric material plain or fibered, having a hardness (Durometer) of 50 or above, as certified by the Contractor and accepted by the Engineer. Additional pads or half pads may be used in manufacturer's recommended condition.
- Rail posts shall be seated on elastomeric pads having the same thickness as the post base plate and 1/16" thickness. Such pads may be any elastomeric material, plain or fibered, having a hardness (Durometer) of 50 or above, as certified by the Contractor and accepted by the Engineer. Additional pads or half pads may be used in manufacturer's recommended condition.
- This detail is shown for connecting guardrail post to culvert slab only.
- This sheet shows details for connecting guardrail post to culvert slab only.
- Work with districts on type of guardrail required.

Standard Drawing Guidance (do not show on plans):
- Designed for AASHTO LFD.
- Not designed for AASHTO LRFD.
- Not crack tested.
- Comparable to TL-2 (NCHRP 350) deck-mounted (top) post and rail system, Texas 1101, Texas Type 6.
- Unscrewed LFD analysis shows:
  - 0' Fill
    - Guardrail: Design Requirements for TL-2
      - Single Roll
        - Grade 50 post and plate
    - Thrie-Beam: Design Requirements for TL-2
      - Post spacing max
        - Grade 50 post and plate
  - 2' Fill
    - Guardrail: Design Requirements for TL-2
      - Single Roll
        - Double Nested
          - Grade 50 post and plate
    - Thrie-Beam: Design Requirements for TL-2
      - Post spacing max
        - Grade 50 post and plate

Use this detail when required to connect guardrail post to culvert slab greater than 9" thick or where culvert walls interfere with bolting through slab.