**Under Head and One Centerline of Post Holes**

- HSS Hex Nut and Bolt “C”
- One (1) Under Head and One (1) Under Nut

**Backup Plate Under Guardrail**

- Eight (8) Each, Guardrail Plate “Y”

**Foundation**

- Fastened to “W” Beam Guardrail, section with eight (8) each, guardrail, bolt “A” and recessed nut.

**Plan**

- 24-mm dia. holes drilled through concrete bridge rail, four (4) required and shall be configured to fit “W” Beam Terminal Connector and Plate “Y”.

**Terminate at Post Holes in “W” Beam Guardrail**

- Use General Note 1.

**General Notes:**

1. All notes and details pertaining to normal “W” Beam Guardrail installation not specifically noted on this sheet will be found on either sheet GR-1 (Wood Posts) or GR-2D (Steel Posts).
2. Installation details for bridge end section guardrail, posts will be found on either sheet GR-1 (Wood Posts) or GR-2D (Steel Posts).
3. The height of rail at the bridge end is 568 mm and will be transitioned to 1018 mm at post A. This transition will be a linear transition in the vertical plane.
4. Guardrail elements shall be lapped in the direction of traffic. The only exception noted in this guardrail is to be lapped for approaching traffic on a bridge with 2-way traffic.

**Rectangular Guardrail Plate Washer**

- Hardened Round Washer “E”
- Rectangular Guardrail Plate Washer

**Fastener Details**

- M20 x 2.5 Thread Pitch
- Width 30.5 mm
- Thickness 8 mm
- Diameter 20 mm
- Slot 20 x 20 mm

**Mississippi Department of Transportation**

- State Project No. "W" Beam Back-Up Plate is used under the “W” Beam Rail Section where indicated on this sheet. The cross-sectional dimensions of this part are identical to those of the standard “W” Beam Rail Section.