

SECTION 1066 -- W-BEAM AND THRIE-BEAM GUARDRAIL

1066.01 -- Description

Galvanized W-beam and Thrie-beam guardrail shall be constructed as prescribed in the plans.

1066.02 -- Material Characteristics

1. All parts shall be interchangeable with similar parts from other manufacturers.

2. Materials for W-beam and Thrie-beam guardrail shall conform to the requirements in AASHTO M 180, Type I Class A.

3. Wood posts and blocks shall conform to the requirements in Section 1075.

4. Plates and other steel items shall conform to the requirements in ASTM A 36/A 36M.

5. The galvanized bolts shall conform to the requirements in ASTM F 568 Class 4.6.

6. Steel posts shall conform to the requirements in Section 1067.

7. Special end shoes shall meet the requirements of AASHTO M 180 Class B and be at least 10 gauge (0.138 inch) thick steel.

8. All anchor rods and plates, unless otherwise specified, shall conform to the physical requirements of ASTM A 36/A 36M.

9. Turnbuckles and clevises shall be steel forgings conforming to the requirements of ASTM A 668, Class B. The forgings shall be annealed before being machined.

1066.03 -- Acceptance Requirements

W-beam and Thrie-beam guardrail will be accepted based on requirements of this Section and sampling and testing requirements in accordance with the NDR *Materials Sampling Guide*.