

WEST VIRGINIA DEPARTMENT OF TRANSPORTATION
DIVISION OF HIGHWAYS
MATERIALS CONTROL, SOILS & TESTING DIVISION

MATERIALS PROCEDURE

CRITERIA TO APPROVE FABRICATORS OF GUARDRAIL BEAMS,
STEEL GUARDRAIL POSTS AND HARDWARE

1. PURPOSE

- 1.1 To establish a procedure for approving fabricators of guardrail beams, steel guardrail posts and hardware acceptable for use on projects.
 - 1.2 To establish a procedure for maintaining a record of such information.
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2. SCOPE

- 2.1 This procedure shall apply to the guardrail classes and types as defined in AASHTO M180, Section 3.
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3. APPLICABLE DOCUMENTS

- 3.1 WVDOH Specifications, Section 607
 - 3.2 AASHTO M180
 - 3.3 MP 106.00.02 - Procedure for Evaluation of New Products for Use in Highway Construction
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4. ACCEPTANCE PROCEDURE

- 4.1 For guardrail and hardware materials to be evaluated for acceptance, the fabricator-must comply with the following requirements:
- 4.2 The manufacturer must submit a completed [HL-468](https://transportation.wv.gov/highways/mcst/Pages/MP-100s.aspx)¹ as per MP 106.00.02. This must include a statement to the WVDOH Materials Control, Soils and Testing (MCS&T) indicating intention to be included on the WVDOH Approved Product List (APL) as an approved source of guardrail materials.
- 4.3 The fabricator shall submit a current certificate indicating membership and conformance with the AASHTO Product Evaluation and Audit Solutions Program (APEAS) for guardrail. Additionally, audits are to be performed by APEAS at the fabricator's facility and encompass a detailed review of the quality management system, production process and testing capabilities.
- 4.4 After APEAS documents have been obtained, evaluated, and found to be in compliance, the fabricator will be assigned a seven-digit approved source laboratory approval number and placed on the APL for guardrail fabricators. This approval will remain active unless the fabricator fails to remain compliant with APEAS.

¹ <https://transportation.wv.gov/highways/mcst/Pages/MP-100s.aspx>

- 4.5 With each shipment of guardrail beams, posts, or hardware to a project, the guardrail fabricator shall provide shipping documents which contain a laboratory approval number reflecting that the materials have been approved meeting quality specified by the WVDOH.

**Michael
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