

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 West Virginia Division of Highways (WVDOH) 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

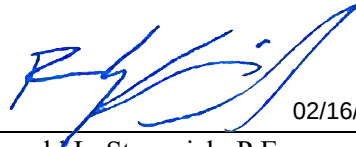
- 3.1 WVDOH Specifications: Roads and Bridges, Section 607
 - 3.2 AASHTO M180
 - 3.3 WVDOH Form HL-468
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4. ACCEPTANCE PROCEDURE

- 4.1 For guardrail and hardware materials to be evaluated for acceptance, the fabricator-must comply with the following requirements.
- 4.2 The fabricator shall complete form HL-468 (attainable from the MCS&T [Webpage](https://transportation.wv.gov/highways/mcst/Pages/tbox.aspx)¹) and submit it to the WVDOH MCS&T Division New Products Email Address (DOHNewProducts@wv.gov), indicating intention to be included on the WVDOH APL (Approved Product List) as an approved fabricator-of guardrail materials.
- 4.3 The fabricator shall submit a current certificate indicating membership and conformance with the National Transportation Product Evaluation Program "NTPEP" for guardrail. Additionally, audits are to be performed by NTPEP at the fabricator's facility and encompass a detailed review of the quality management system, production process and testing capabilities.
- 4.4 After NTPEP 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 NTPEP.

¹ <https://transportation.wv.gov/highways/mcst/Pages/tbox.aspx>

- 4.5 With each shipment of guardrail beams, posts, or hardware to a WVDOH 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.



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