

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

MATERIALS PROCEDURE

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ACCEPTANCE PROCEDURE FOR MASH COMPLIANT  
ROADSIDE DEPARTURE HARDWARE

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**1. PURPOSE**

- 1.1 To set forth a procedure for acceptance of Roadside Departure Hardware to ensure compliance with Joint Implementation Agreement for the Manual for Assessing Safety Hardware (MASH) between FHWA and AASHTO by memorandum, dated January 7, 2016.
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**2. REFERENCED DOCUMENTS**

- 2.1 Manual for Assessing Safety Hardware (MASH)
- 2.2 MP 106.00.02 – “Procedure for Evaluation of New Products for Use in Highway Construction”
- 2.3 MP 106.00.03 – “Guidelines for Establishing and Maintaining Approved Product Lists of Materials, Systems and Sources.”
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**3. SCOPE**

- 3.1 This procedure is applicable to any roadside highway safety hardware that is to be reviewed by the Roadway Departure Task Force that will be placed on the [Division’s Approved Product List \(APL\)](#).<sup>1</sup>
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**4. EVALUATION OF SUBMITTED PRODUCTS**

- 4.1 Product shall be submitted to MCS&T in accordance with MP 106.00.02.
- 4.2 The product will then be reviewed via the Roadway Departure Task Force representatives. Those representatives shall consist of voting members who provide expertise to review and recommend action on highway safety hardware. The voting members (or their representative) are:
1. Director of Traffic Engineering Division
  2. Director of Technical Support Division
  3. Director of Materials Control, Soils & Testing Division
  4. Director of Engineering Division
  5. Traffic Mobility and Safety Engineer

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<sup>1</sup> [https://transportation.wv.gov/highways/mcst/Pages/APL\\_By\\_Number.aspx](https://transportation.wv.gov/highways/mcst/Pages/APL_By_Number.aspx)

- 4.3 A meeting to discuss the submission shall be scheduled within 30 calendar days of the receipt of the submission.
- 4.4 The submission shall be evaluated based on the following criteria, in descending order of preference:
  - 4.4.1 Letter of Eligibility (LOE) from FHWA.
  - 4.4.2 Full suite of passing MASH testing at an accredited facility, but no LOE.
  - 4.4.3 Previous issue of NCHRP 350 Letter of Eligibility and an acceptable In-Service Performance Evaluation. If suitable MASH compliant devices are available, NCHRP-350 devices will not be considered.
  - 4.4.4 A professional opinion letter of due diligence has been issued by an accredited testing facility determination of the hardware being MASH eligible.
  - 4.4.5 Minor modifications of hardware previously determined to be eligible by the DOH process that in the opinion of the Roadway Departure Task Force determine are not significant modification to performance.
- 4.5 Products used by other DOT's may be considered after reviewing the data from the state standards coordinator as to the state's reasoning for usage after implementation dates.

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**5. ACCEPTANCE OF MASH MATERIAL**

- 5.1 The voting members will determine if the product meets MASH criteria.
- 5.2 The voting members shall also evaluate the product to ensure that it meets other agency requirements and considerations such as maintenance requirements, other DOH Specifications and MUTCD requirements.
  - 5.2.1 If applicable the product shall meet AASHTO Product Evaluation and Audit Solutions requirements.
- 5.3 If approved, the submitted material will be added to the APL as per MP 106.00.02.

**Michael Mance** Digitally signed by Michael Mance  
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