

## Product Evaluation

### RE: Review of MFLEAT, MASH Flared Terminal

#### **PRODUCT INFORMATION**

Product Name: MFLEAT, MASH Flared Terminal      Manufacturer: Road Systems Inc., Big Spring, TX  
Website: <https://roadsystems.com/mash-mfleat/>      Supplier: Barricades and Signs Ltd., Sturgeon County

#### **VENDOR CLAIMS AND INFORMATION**

##### **CLAIMS**

The MFLEAT is designed, and crash tested as a redirective gating terminal to meet the requirements of AASHTO Manual for Assessing Safety Hardware (MASH) criteria Test Level 3 (100 km/hr.).

##### **DESCRIPTION**

The MFLEAT is a flared terminal with a fixed 3-ft offset. It is intended for use with MASH MGS (Midwest Guardrail System) 31" tall W-Beam barrier having mid-span splices. The MFLEAT is a steel post terminal using either 8" or 12" blockouts and can be attached to steel post or wood post MGS longitudinal barriers. If the MFLEAT is intended to attach to a rigid barrier, a transition to gradually increase the stiffness in the W-Beam shall be required. If the MFLEAT is intended to attach to a 28" tall W-Beam guardrail system with rail splices on the post, a transition to lower the rail height and move the rail splice to the post is required.

##### **POTENTIAL USAGE**

The MFLEAT is used to protect the end of w-beam barriers.

##### **STANDARDS**

MASH (2016) Test Level 3  
AASHTO M180 - Standard for Steel Components for Highway Guardrail

#### **ALBERTA TRANSPORTATION COMMENTS**

##### **EXPERIENCE**

Alberta Transportation and Economic Corridors has no experience with this product.

##### **APPLICABLE STANDARDS**

Alberta Transportation standard specifications for guardrail are:  
Specification 2.19, Guardrail and Guideposts  
Specification 5.25, Supply of W-Beam Guardrail and Posts

##### **RECOMMENDATIONS**

MFLEAT, MASH Flared Terminal be listed as a Reviewed Product under Alberta Transportation and Economic Corridors Products List, Highway Safety Devices – Impact Attenuators – Proprietary, based on the information provided.

##### **RESTRICTIONS ON USE**

Caveat: It will need an add-on component for transition to 27.75-inch rail.

#### **TRIAL PROJECTS**

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