



MFLEAT - MASH FLEAT - MGS System



Road Systems Inc.

SEW 14c

SHEET NO.	DATE
1 of 2	06-21-18

**INTENDED USE**

The **MFLEAT** (MASH FLEAT) is a flared roadside energy-absorbing terminal that has been designed and tested under MASH criteria. The MFLEAT system has a 3-ft straight flare offset over the length of the system and has a top-of-rail height of 31" with a plus-or-minus 1" height tolerance.

The first two posts in the terminal are bolted posts connected by a strut. Downstream of post #2 the terminal requires the use of a 10'-5" W-Beam panel to set splices at mid-span between posts, one additional bolted post with no blockout, and five W6x9 (or W6x8.5) steel line posts having 8" or 12" wood or composite blocks. The third 12 gage W-Beam panel is 13'-6 1/2" long and extends 3'-1 1/2" beyond post #8 for a TL-3 system.

The MFLEAT is used to protect the ends of MGS W-Beam barriers. During end-on impacts, the vehicle pushes the MFLEAT impact head down the rail section while sequentially kinking the rail element. The kinked rail exits the impact head on the traffic side of the rail.

The MFLEAT is a cable-anchored system. When impacted on the traffic side within the length of need and within design limits, the MFLEAT contains and redirects the errant vehicle back toward its original travel path. A cable anchor bracket is attached to the backside of the first 12'-6" rail section with special high strength shoulder bolts. The cable anchor bracket locks into place for traffic face redirection impacts but releases for end-on impacts.

**ACCEPTANCE**

FHWA Letter CC-xx, x x, 2018 - MFLEAT Test Level 3

**CONTACT INFORMATION**

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