

MASH - Impact Attenuators

Required for Projects Let after June 30, 2018

Material Code: 715.041.001 (AWP)

Effective: 3/28/2025

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MASH TEST LEVEL 2 DEVICES

CLASS I DEVICES (715.41.1)

Manufacturer	Product	Lab Number
Hill & Smith Inc.	SCI-70GM (See Note 1)	1462445
Valtir, LLC	QuadGard M10 QM7024 (See Note 1)	2100785

CLASS II DEVICES (715.41.2)

CLASS III DEVICES (715.41.3)

Manufacturer	Product	Lab Number
TraFFix Devices	Big Sandy Impact Attenuator Sand Barrel (See Note 4)	2001149

MASH TEST LEVEL 3 DEVICES

CLASS I DEVICES (715.41.1)

Manufacturer	Product	Lab Number
Hill & Smith Inc.	SCI-100GM (See Note 2)	1462446
Valtir, LLC	QuadGuard M10 QM10024 (See Note 2)	1462447
Valtir, LLC	QuadGuard M Wide (See Note 6)	2100786
Valtir, LLC	REACT M (See Note 2)	2100802

CLASS II DEVICES (715.41.2)

Manufacturer	Product	Lab Number
Valtir, LLC	MATT (Median Attenuating TREND Terminal)	2300533

CLASS III DEVICES (715.41.3)

Manufacturer	Product	Lab Number
TraFFix Devices	Big Sandy Impact Attenuator Sand Barrel (See Note 4)	2001149

TRUCK MOUNTED ATTENUATORS (TMA'S) AND TRAILER TRUCK MOUNTED ATTENUATORS (TTMA'S) 715.41.4

Manufacturer	Product	Min/Max Host Vehicle Weight (lbs)	Lab Number
TraFFix Devices	Scorpion II Trailer Attenuator (See Notes 3 & 5)	13,560 / 22,046	2001047
TraFFix Devices	Scorpion II Truck Mounted Attenuator (See Notes 3 & 5)	15,000 / 22,046	2001048
Gregory Highway	TTMA-200 (See Notes 3 & 5)	10,337 / no limit	2004949
Valtir, LLC	VORTEQ-M TRAILER TMA (See Notes 3 & 5)	12,183 / no limit	2400229

NOTES

- MASH Test Level 2 version. Device is non-tapered, non-gating. Device designed to shield obstacles 24" wide and less. Approved for temporary work zone and permanent (when specified) applications.
- MASH Test Level 3 version. Device is non-tapered, non-gating. Device designed to shield obstacles 24" wide and less. Approved for temporary work zone and permanent (when specified) applications.
- MASH Test Level 3 version.
- Approved for temporary work zone and emergency applications only.
- The contractor shall utilize the TMA or TTMA in accordance with the manufacturer's recommendations, shall be responsible for selecting an appropriate host vehicle configured in accordance with and meeting the manufacturer's recommendations, and shall be responsible for taking into consideration all factors such as expected post-impact roll ahead distance for their specific operation at each differing location. In all cases, the Gross Vehicle Weight (GVW) of the host vehicle shall be within the range specified. This range is based on the parameters of the host vehicle weight(s) utilized during the MASH testing of the device.
- MASH Test Level 3 version. Device is tapered, non-gating. Device designed to shield obstacles 69" wide and less. Approved for permanent (when specified) applications.