



2021

REACT™ M



**TRINITY**  
HIGHWAY

**SCI42a**

SHEET NO.

DATE

1 of 2

8/5/2021

### INTENDED USE

The REACT™ M system is a redirective, non-gating, crash cushion designed to shield fixed hazards up to 30" wide. The REACT™ M system is designed to offer impact protection for both MASH light and heavy vehicles and shield hazards such as gore areas and bifurcations. It is effective against head-on and redirection impacts at typical highway speeds. The REACT™ M system has been shown to provide self-restoring characteristics when impacted within MASH 2016 crash test standards.

### FEATURES

The REACT™ M system consists of six high density polyethylene (HDPE) cylinders attached to a galvanized steel backup and basetrack assembly. The REACT™ M system's HDPE cylinders are designed to compress during head-on impacts and redirect vehicles away from the shielded hazard for impacts along the side of the system. The REACT™ M is eligible for federal reimbursement as a MASH Test Level 3 crash cushion. The system uses two thicknesses of 36" outside diameter HDPE cylinders and HDPE laminates within certain HDPE cylinders. The structural portions of the REACT™ M consist of backup, basetrack and diaphragms that are hot-dipped galvanized steel.. The REACT™ M utilizes 3/4" diameter cable assemblies designed to assist with vehicle redirection performance. Lightweight reflector markers may also be attached to the sides of the HDPE cylinders to provide additional delineation per customer requirements.

### SPECIFICATIONS

Length: 267 [6781mm] nominal  
Width: 36 [914mm] nominal  
Height: 53 [1346mm] nominal  
Weight: 4928 lb [2235 kg] nominal

### ELIGIBILITY

The REACT™ M has been tested in conformance to MASH 2016 Test Level 3 and is eligible for Federal reimbursement by FHWA.

FHWA Eligibility Letter(s): CC-169 dated June 28, 2021 for MASH 2016 Test Level 3.

### REFERENCES

*Manual for Assessing Safety Hardware (MASH)*, American Association of State Highway and Transportation Officials (AASHTO), 2016.

### CONTACT INFORMATION

15601 Dallas Parkway, Suite 525  
Addison, TX 75001  
Telephone: (888) 323-6374  
Fax: (800) 770-6755  
<https://trinityhighway.com>

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