



STATE OF DELAWARE
DEPARTMENT OF TRANSPORTATION
800 BAY ROAD
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DOVER, DELAWARE 19903

NICOLE MAJESKI
SECRETARY

MEMORANDUM

TO: All users of the Delaware Manual on Uniform Traffic Control Devices

VIA: Shanté Hastings, P.E. *SMAH*
Chief Engineer, Deputy Secretary

FROM: Craig Blowers, P.E.
MASH Committee Chair

DATE: December 22, 2021

SUBJECT: Device Exemption of MASH 2016 Requirements

A. Background

In 2018 the Federal Highway Administration (FHWA) issued a guidance memorandum requiring each state to provide an acceptable process for determining crashworthiness of roadside safety hardware. In response, the Delaware Department of Transportation (DelDOT) enacted Policy Implement Number D-09, establishing DelDOT's Manual for Assessing Safety Hardware (MASH) Committee and charging it with the completing reviews of and making recommendations on the crashworthiness of roadside safety hardware. FHWA subsequently issued interim guidance with criteria in which MASH 2016 devices would not be immediately required:

- A MASH 2016-compliant device does not exist to address the situation.
- A MASH 2016-compliant device exists but does not meet the state's needs given project or regional conditions.
- The state is awaiting completion of MASH-2016 testing for a specific device, in which case the state must document the plan for testing the device that will be used on future projects in lieu of the specified NCHRP 350 or MASH 2009 device.

B. Exempt Devices

DelDOT's MASH Committee has reviewed devices that were tested under MASH 2016 and has determined that the devices noted below either do not have a MASH 2016 compliant equivalent or the equivalent does not meet DelDOT's operational needs. The Committee recommends that the following devices continue to be permitted for use on DelDOT projects until such time that an acceptable MASH 2016 device is successfully crash tested.

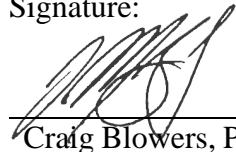
- Pedestrian/Signal Poles
- Street Light Poles
- Detector Poles
- Pedestrian Fence
- Bridge Safety Fence
- Type 2 Guardrail
- Galvanized Telescoping Steel Sign Posts
- Community Signs
- Railroad Protective Barrier
- Category 4 Devices (PCMS Boards, Arrow Boards, Portable Speed Display Signs, etc.)

C. Further Information

The MASH Committee will continue to participate in pooled funds for testing roadside devices and will keep DelDOT apprised of new devices that are determined to be eligible for reimbursement by the FHWA. Additionally, the MASH Committee will continue to review the performance of current NCHRP 350 and MASH 2009 devices to determine if their performance remains acceptable. Should a MASH 2016 device be determined to meet DelDOT's requirements, or should an acceptable device be identified for self-certification, DelDOT's Standards and Specifications will be updated accordingly.

RECOMMENDED

Signature:



Craig Blowers, P.E., On Behalf of the MASH Committee

12/22/21

Date

APPROVED

Signature:



Shanté Hastings, P.E., Chief Engineer

03/04/2022

Date

CB

cc: DeIDOT MASH Committee
LaTonya Gilliam, FHWA