

SDDOT MASH SIGNING

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Better lives through better transportation



APPROVED PRODUCTS

Home / Doing Business / Certification & Accreditation / Approved Products

In conjunction with the AASHTO/FHWA Joint Implementation Agreement for the AASHTO Manual for Assessing Safety Hardware (MASH), the SDDOT will determine crashworthiness of roadside safety hardware. When submitting a roadside safety hardware product for evaluation, please refer to SDDOT's process for determining crashworthiness, which includes information regarding necessary submittals.

<u> https://dot.sd.gov/doing-business/certification-accreditation/approved-products</u>

SDDOT PROCESS FOR DETERMINING MASH CRASHWORTHINESS

- SDDOT will determine if FHWA
 has issued a federal-aid
 reimbursement eligibility letter for
 proprietary hardware.
 - > FHWA federal-aid reimbursement eligibility letter is desired and will be given consideration, but it is not a requirement.

- Proprietary hardware must be tested at an accredited crash test laboratory that is independent of the manufacturer.
- All pertinent crash test videos, crash test reports, in-service performance records, detailed drawings, installation guidelines, specific use requirements, and specifications must be provided.

SDDOT PROCESS FOR DETERMINING MASH CRASHWORTHINESS

- SDDOT will review the submitted information and determine whether the hardware complies with crashworthy requirements.
- If SDDOT determines the hardware is crashworthy and meets SDDOT's needs, the hardware may be used on the NHS.

- SDDOT will monitor the performance of the hardware through review of crash reports and other information.
- At any time, SDDOT may determine that the hardware will no longer be installed on the NHS.

SDDOT PROCESS FOR DETERMINING MASH CRASHWORTHINESS

• If SDDOT determines the nonproprietary hardware is crashworthy and meets SDDOT's needs, the hardware will be shown on SDDOT's standard plates and will be included in SDDOT's standard specifications, where appropriate. In rare circumstances, as an alternative to any of the procedures identified above, SDDOT may determine crashworthiness based on inservice performance. In-service performance evaluation will be conducted through pooled fund studies or other research projects, or in accordance with NCHRP Report 490.

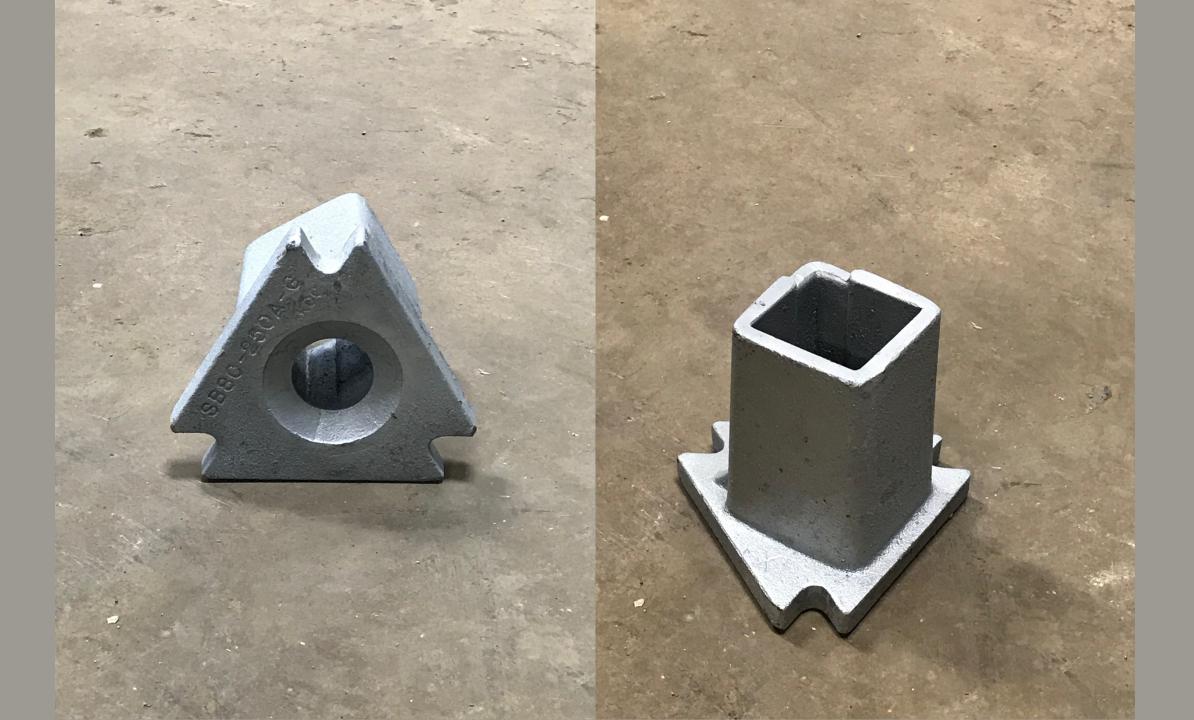
CURRENT SPECIFICATIONS

2" Perforated Square Steel Tube Posts or

2-1/2" Perforated
Square Steel Tube on a
Slip Base for majority of

Standard Flat Aluminum Signs





MASH DEVICES UNDER REVIEW

- Documentation has been submitted for acceptance as MASH compliant for a perforated square steel tube post system.
- Will be an Approved Products List for MASH Sign
 Supports once devices have been accepted by the SDDOT

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