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Rebecca Goodman
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TRAFFIC OPERATIONS MEMORANDUM NO. 04-26
CONSTRUCTION MEMORANDUM CM 26-05
MAINTENANCE MEMORANDUM
DESIGN MEMORANDUM
MATERIALS MEMORANDUM

TO: Kentucky Association of Highway Contractors (KAHC)
American Traffic Safety Services Association (ATSSA)

THROUGH: James Ballinger, P. E.
State Highway Engineer
Initial JB

John Moore, P. E.
Deputy State Highway Engineer
Project Delivery and Preservation
DS JM

Jason Siwula, P. E.
Deputy State Highway Engineer
Project Development
DS JS

FROM: Tim Tharpe, P. E.
Director
Division of Traffic Operations
DS TT

Matt Simpson, P. E.
Director
Division of Construction
Initial MPS

Josh Rogers, P. E.
Director
Division of Maintenance
DS JR

Jason Siwula, P. E.
Acting Director
Division of Highway Design
DS JS

Allen Myers, P. E.
Director
Division of Materials
Initial AM

DATE: August 27, 2026

SUBJECT: Approved Roadside Hardware and
Temporary Traffic Control Devices
Process for Review and Approval

The Kentucky Transportation Cabinet (KYTC) has established a standardized process for the review and approval of MASH-compliant roadside hardware and temporary traffic control devices submitted for consideration on Kentucky highways.

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Effective immediately, all requests for review of new MASH-compliant devices, as well as revisions to previously approved devices, shall be submitted through the Kentucky Product Evaluation List (KYPEL) for review by the KYTC MASH Review Team. It is ultimately the goal of the Kentucky Transportation Cabinet to use only MASH-compliant devices that have been reviewed by the committee and approved by the State Highway Engineer's Office as acceptable for use on Kentucky's highways. Non-MASH compliant devices that satisfy NCHRP-350 may also be submitted for consideration. The attached document outlines the required submission process, documentation requirements, review procedures, and approval process that will be followed by the KYTC MASH Review Team.

The purpose of this process is to provide a consistent, transparent, and efficient method for evaluating roadside safety devices while ensuring compliance with current MASH requirements and maintaining the safety and integrity of Kentucky's transportation system. Manufacturers and vendors are encouraged to review the attached procedures before submitting a product for evaluation.

Should you have any questions regarding this process, please reach out to any member of the KYTC MASH Review Team (listed in the cc: field below).

TDT

cc: Derrick Dennison
Brian Schroeder
TJ Gilpin
Matthew Sipes
Brad Hall
Steve Spradlin
Jeff Wolfe
Matthew Holder
Corinne Schurman
Mike Vaughn
Buan Smith
Jason Hyatt
Rick Durham

Attachment

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How To Submit a Device for KYTC Review of MASH Compliance

1. General

It is ultimately the goal of the Kentucky Transportation Cabinet to use only MASH-compliant devices that have been reviewed by the committee and approved by the State Highway Engineer's Office as acceptable for use on Kentucky's highways. Non-MASH compliant devices that satisfy NCHRP-350 may also be submitted for consideration.

2. Register in KYPEL

All MASH-compliant device requests shall be submitted through the Kentucky Product Evaluation List (KYPEL):

https://kypel.engr.uky.edu/Default.aspx/

Vendors shall register for an account in KYPEL before submitting a request.

3. Upload Required Documentation

After registering, vendors shall upload all supporting documentation for the device in KYPEL. This should include, at a minimum:

1. Test results
2. Product specifications and technical drawings
3. Documented approvals from other state agencies
4. FHWA Eligibility Letter
5. Reports from recognized testing laboratories
6. Any other relevant supporting information

4. Submit Revisions (If Applicable)

If modifying a previously approved device, the vendor shall submit the revision through KYPEL.

The manufacturer shall certify that the changes do not affect MASH compliance.

5. Review Timeline

The MASH Review Team shall meet quarterly to evaluate submitted devices.

5a. Devices Other Than Guardrail End Treatments and Crash Cushions

The MASH Review Team needs at least 30 days to review the documentation for a submitted device in advance of the next scheduled meeting. The 30 days will commence when all documentation and materials have been properly uploaded in KYPEL. Any completed submission that falls inside the 30-day window will be placed on the agenda for the subsequent quarterly meeting to allow adequate time for review.

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5b. Guardrail End Treatments and Crash Cushions

Guardrail end treatments and crash cushions may have up to a 4-year review period. Please refer to the "Roadside Safety Hardware - Proprietary Products Selection Process (Definition of Process)" document:

https://transportation.ky.gov/Highway-Design/Documents/Proprietary%20Products%20Selection%20Package.pdf

with the following addendum:

INTEGRATION OF KENTUCKY'S PRODUCT EVALUATION LIST (KYPEL) WITH THE PROPRIETARY PRODUCTS SELECTION PROCESS

With the updates to the selection process, Manufacturers, now at any time, may submit their MASH-approved guardrail end treatment and crash cushion products into KYPEL. If the product is specifically a guardrail end treatment or a crash cushion, then the product will be assigned a specific Phase number designation [a new phase within KYPEL's system that indicates the product was received and will be reviewed for the next Roadside Safety Hardware - Proprietary Products Selection]. Once the product is submitted, a contact will email the Manufacturer verifying the submittal of the product and inform the Manufacturer of the new process (this document). The Manufacturer will also be made aware of the date of the next Roadside Safety Hardware - Proprietary Products Selection Process [the next Roadside Safety Hardware - Proprietary Products Selection Process shall be March 2028]. The product and all its documentation from the submittal will be housed in KYPEL until the next Roadside Safety Hardware - Proprietary Products Selection Process.

Vendors may respond to comments and upload additional information in KYPEL during the review.

6. Team Evaluation

After evaluation in a quarterly meeting, the MASH Review Team shall recommend whether the device is acceptable or unacceptable for use on Kentucky highways.

Some items may not receive an acceptable or unacceptable recommendation and may receive an "undecided" status from the group. If a product receives such a status, it will be placed in "Phase 4 – Experimental Use" within KYPEL.

Phase 4 items may be used on a limited basis; however, change orders must be submitted and approved prior to use of the product. The product will be monitored for performance for two (2) years, but the performance period may be changed depending on the type of product and susceptibility to weathering. If the product performs poorly and poses a safety risk, the product may be removed before scheduled replacement.

It is incumbent upon the manufacturer to inform the project manager that their product is in Phase 4 within the KYPEL system so the project manager can decide if they want to use the product on their project.

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7. Final Approval

The MASH Review Team Chair shall submit the recommendation to the State Highway Engineer's Office for final approval or denial.

Each submission shall include:

1. Product name
2. Vendor name and contact information
3. Submission date
4. Test level
5. FHWA Eligibility Letter
6. Product description
7. MASH Review Team recommendation

8. Notification

The MASH Review Team Chair shall notify the vendor of the final decision.

9. If Approved

The device shall be added to the List of Approved Materials (LAM) under the MASH-compliant section.

The device shall also be included in the KYTC MASH-approved products listing available from every MASH Review Team's Divisional webpage (Construction, Design, Maintenance, Materials, Traffic Operations). This listing can be found here:

https://transportation.ky.gov/Materials/pages/List-Of-Approved-Materials.aspx

10. Devices Without MASH Equivalents

If no MASH-compliant option exists, the MASH Review Team may grant conditional approval for existing or new NCHRP 350 devices.

These remain eligible until a compliant MASH alternative is approved and available.