

# Testing Type III Barricades with Panels and Mounted Sign on Top

2020-26-WZ

## PS Developers

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## Project Synopsis

- Type III barricades are required to be tested with attachments
- Signs and panels are often mounted on Type III barricades
- Need to develop a crashworthy Type III barricade with signs/panels

## Project Goal(s)

- Develop designs for a MASH compliant Type III barricade with panels or signs
- Test critical design or designs to allow for other designs to be compliant



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## Project Background

- Type III barricades are often placed at road closures or as advance warning for TTC
- Signs are often mounted to Type III barricades for portability
- Currently available designs are mostly proprietary
- Concerns with the varying materials (metal, plastic, wood, etc.) for crashworthiness and durability
- Past the 2019 Implementation Deadline

## Proposed Work Plan

- Task 1: Engineering Review
  - Review current standards of Roadside Safety Pooled Fund
  - Develop critical design or designs to be tested
- Task 2: MASH Crash Testing
  - Crash test the design(s) to MASH TL-3.

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## Deliverables

- MASH compliant Type III barricades with mounted signs or panels
- Recommendations for future research if designs do not meet MASH criteria
- Technical report documenting the project

## Urgency and Expected Benefit

- Allow states to provide consistency in the work zone environment for drivers familiar with previous NCHRP 350 signs and barricades
- Increases availability by providing a non-proprietary alternative for states to use

## Funding

- \$175,000

## Research Period

- 18 months