

## Chris Cooper

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**To:** Dallas Hammit; Steve Boschen; Barry Crockett; Todd A. Emery; Jesse Gutierrez; Brent Cain; James Windsor; Scott Beck; David Eberhart; Maysa Hanna; Julie Kliewer; Steve Beasley; Paul O'Brien; Lonnie Hendrix; Jerry James; Raul Amavisca; Audra Merrick; Lynn Johnson; Alvin Stump; Roderick F. Lane; Bill Harmon; Paul Patane; Randy Everett; Gregory Byres

**Cc:** Michael Denbleyker; Reed Henry; Joseph M. Phillips

**Subject:** Implementation of MASH Barrier

**SENT ON BEHALF OF MICHAEL DENBLEYKER, STATE ROADWAY ENGINEER**

**TO ALL ADOT AND CONSULTANT DESIGN PERSONNEL**

**RE: IMPLEMENTATION OF MASH BARRIER**

Final standard drawings relating to MASH barrier are available on our Roadway Engineering website at: <https://www.azdot.gov/business/engineering-and-construction/roadway-engineering/roadway-design/standards-and-guidelines> . These final drawings should be referenced in all projects not yet advertised that require new barrier. Please note there are minor revisions to drawing numbering, end anchor length, and long span identification that may affect plans currently being developed with the draft standards.

The above link also includes:

- Revised 1A index sheet to be included in all plans not yet advertised
- Revised barrier summary sheet to be included in all plans with barrier work not yet advertised
- Revised "Draft MASH Barrier Design Aids" to assist with MASH barrier design options
- "Existing Roadway Barrier Assessment" memo for determining treatment of existing barrier

The new 702, 905, and 1012 stored specifications are now located on the Contracts & Specifications website at: <https://www.azdot.gov/business/ContractsandSpecifications/Specifications>

Any comments and suggestions you have will be welcome for future updates to these documents. Contact Chris Cooper, Roadway Support Manager at 602-712-8365 if you have any questions or comments.

Please distribute to all ADOT and consultant designers in your Group, Section or District.

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**From:** Chris Cooper

**Sent:** Tuesday, September 05, 2017 12:44 PM

**To:** Dallas Hammit; Steve Boschen; Todd A. Emery; Jesse Gutierrez; Brent Cain; James Windsor; Scott Beck; Annette Riley; David Eberhart; Maysa Hanna; Julie Kliewer; Steve Beasley; Michael DenBleyker; Paul O'Brien; Lonnie Hendrix; Madhu Reddy; Raul Amavisca; Audra Merrick; Lynn Johnson; Alvin Stump; Roderick F. Lane; Bill Harmon; Paul Patane; Randy Everett; Gregory Byres

**Cc:** Reed Henry; Joseph M. Phillips

**Subject:** Implementation of MASH Barrier

**SENT ON BEHALF OF REED HENRY, DEPUTY STATE ROADWAY ENGINEER**

**TO ALL ADOT AND CONSULTANT DESIGN PERSONNEL**

**RE: IMPLEMENTATION OF MASH BARRIER**

All permanent concrete barrier and guardrail components included on ADOT construction projects advertised after December 31, 2017 must be Manual for Assessing Safety Hardware (MASH) compliant. Draft standard drawings, specifications, barrier summary sheets and design aids are now available from the following link on our Roadway Design website:

<https://www.azdot.gov/business/engineering-and-construction/roadway-engineering/roadway-design/standards-and-guidelines>

Please reference the draft drawings as standard drawings in your plan sets since the final versions should be released by the end of this year. However, applicable drafts may be inserted as details for projects advertising before final drawings are released. Any revisions to drafts will be posted at the above referenced website. Designers should ensure the latest versions of drawings and specifications are included in project documents prior to advertisement.

The design aid is intended to outline changes MASH brings to the barrier design process. As with the other documents, it is in draft form, and any comments and suggestions you have are welcome. Contact Chris Cooper, Roadway Support Manager at 602-712-8365 if you have any questions or comments.

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