

**DEPARTMENT OF TRANSPORTATION
STATE OF GEORGIA**

INTERDEPARTMENT CORRESPONDENCE

DATE: December 27, 2017

FROM: 
Meg B. Pirkle, P.E., Chief Engineer

TO: Divisions of Engineering, Permits/Operations, Local Grants/Field Districts,
Construction, TIA and P3/Program Delivery and Maintenance

SUBJECT: Cast-In-Place Concrete Barriers (Implementation of MASH)

GDOT adopted the “AASHTO/FHWA Joint Implementation Agreement for utilizing the AASHTO Manual for Assessing Safety Hardware (MASH)” on January 1st, 2016. As a result of this agreement, all new installations of cast-in-place concrete barriers along roadways must be MASH compliant for projects let after December 31, 2017. In order to adhere to this implementation schedule, GDOT requires that all new installations of Single Slope Barrier (median and side) conform to the new “Special Details” for Single Slope Barriers. Note: Implementation of MASH compliant barriers on bridges is not required until December 31, 2019.

These Special Details will eventually be published as “Standards” on the ROADS web page. Until these Standards have completed the approval process and are published, requests for the Special Details for Single Slope Barrier will be routed through the Office of Design Policy/Standards and Details Group. Please contact Frank Flanders at (fflanders@dot.ga.gov) or Holly Cross at (hcross@dot.ga.gov) to obtain “Special Details” for Single Slope Barrier(s).

As with all standards, variances will be considered on a project by project basis during this interim implementation period. For projects that are currently in the design process, Designers will need to closely review plans to ensure that changes incorporated in these Special Details do not impact their projects. The modifications to the road side barrier (as a result of increased width) may affect such items as: utilities, right of way, cross sectional elements, offsets, earthwork and sight distance.

Please note that because this implementation resulted in a change in the class of concrete, a Project Specific Special Provision for Specification 621 (Concrete Barrier) will be required for all projects let after December 31, 2017. This will be the case until this specification has gone through the review process and is available for inclusion in the requisite contracts.

Also effective with the December 31, 2017 implementation date, all “Jersey Barriers” will no longer be accepted for new installations. “Jersey Barriers” (32” in height) do not conform to the requisite MASH compliance criteria. The “Jersey Barrier” Standard(s) for Concrete Median Barrier and Concrete Side Barrier: Types 20; 21; 7-C, M, R, T and W; 2; 2-A, B, and C; 6; and 6-A, B, and C (GA STD 4940, 4948A-C) will be available for maintenance and repairs only.

This policy may affect many other GDOT published documents on the subject. Therefore, until all documents are updated accordingly, this policy will have precedence.

The Single Slope Cast-In-Place Concrete Barrier Special Details/Standards are maintained by the Office of Design Policy and Support. If you have any questions contact Frank Flanders (fflanders@dot.ga.gov) at (404) 631-1663 or Holly Cross (hcross@dot.ga.gov) at (404) 347-0578.

MBP:BAS:FBF:HAC

cc: Federal Highway Administration, Georgia Division
American Council of Engineering Companies (ACEC)/Georgia Chapter
Georgia Highway Contractors Association (GHCA)

**Superseded by Concrete
Cast-in-Place Concrete
Barrier Memo
7/31/2020**