



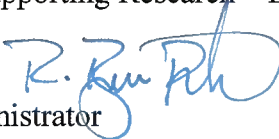
U.S. Department
of Transportation

**National Highway
Traffic Safety
Administration**

Memorandum


Subject: **ACTION:** Docket Agency Correspondence,
Development of a Performance Specification for Camera/Video
Imaging Systems on Heavy Vehicles
Final Report: Supporting Research – DOT HS 810 960

Date: OCT 02 2019

From: R. Ryan Posten 
Associate Administrator
for Rulemaking

Reply to
Attn. Of: NRM-210

To: Docket No. NHTSA 2018-0021

Thru: Jonathan C. Morrison 
Chief Counsel

The enclosed attachment is forwarded for placement in Docket NHTSA-2018-0021 Camera Monitor Systems. The docket contains documents relating to the advance notice of proposed rulemaking (ANPRM) about the feasibility of using camera monitor systems (CMS) as an alternative to rearview mirrors under Federal motor vehicle safety standard (FMVSS) No. 111, "Rear Visibility". The attached report was developed by the Virginia Tech Transportation Institute for NHTSA and published in 2008. The report shows the research and supporting data used to provide specifications guidance in the companion research report: "Development of a Performance Specification for Camera/Video Imaging Systems on Heavy Vehicles - Final Report: Specifications" - DOT HS 810 958 (this report is also proposed for docket submission).

The attached report researched several camera/video setups as enhancements to mirrors, as well as replacements to outside mirrors, on heavy vehicles. The report shows that drivers found the camera/video enhancements to be useful when coupled with outside mirrors, but preferred the use of outside mirrors to the camera/video systems when they completely replaced them. The report suggests that drivers were partial in evaluating the camera/video system when used to replace outside mirrors due to their lack of familiarity with the camera/video system.

Should you have any questions, please contact Andrei Denes by telephone at 202-366-9544.

Link:

<https://www.nhtsa.gov/DOT/NHTSA/NRD/Multimedia/PDFs/Crash%20Avoidance/2008/810960.pdf>

Attachment

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