

Governor's Traffic Safety Advisory Commission

Action Team: **Engineering**

Report Submitted by: **Tracie Leix**

Report for Period: **August 2010 – December 2010**

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1. Continuous Line Delineation – Video
 - a. MDOT is currently testing new delineation products to address lane departure crashes. Many attach directly to guardrail and help to alert drivers to changes in alignment of the road.
 - b. Products being evaluated for durability, cost, ease of installation and visual impact to the driver include:
 - i. Luciol system
 - ii. 3M's Linear Delineation System
 - iii. Irwin-Houston Monarch reflectors
 - iv. US Reflector Jersey Barrier Reflectors

 2. High Friction Surface Demonstration Project with FHWA – Sample
 - a. FHWA's Office of Pavement Technology & Michigan Division office approached MDOT in late 2009 with an offer to treat several locations with a high friction surface. Their goal was to treat curve locations experiencing a high percentage of wet crashes.
 - b. We found 18 potential locations, field visited those locations and FHWA selected 5 to treat at their cost. They spent \$100,000 on those sites combined. Considerations for site selection included percentage of wet crashes, pavement condition and any work along the curve in the before/after evaluation time frame.
 - c. Locations treated week of September 13, 2010:
 - i. NB I-75 to Rochester Rd (Oakland County)
 - ii. NB I-75 to NB Baldwin Rd (Oakland County)
 - iii. NB I-75 to SB Baldwin Rd (Oakland County)
 - iv. WB I-69 to SB I-75 (Genesee County)
 - v. WB I-96 to NB US-131 (Kent County)

 3. Safety Edge - Video
 - a. MDOT will be piloting the safety edge at 3 locations through our Construction and Technology area. A concrete test has been added to a project along I-94. Asphalt testing for 2 additional locations will be identified with assistance from T&S.
 - b. Kent County has agreed to pilot the safety edge on a local project in the 2011 construction season.