



2014 Fall Asphalt Conference

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VDOT Safety Reminders and Traffic Engineering Changes

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Agenda

- **Safety Perspective – 2013 Year in Review**
- **ADA Initiatives**
- **Pavement Markings**
- **Upcoming Standards Revisions**
- **Questions & Answers**

Safety Perspective | 2013 Virginia Statistics

- **Overall crashes**
 - 121,800 crashes
 - 741 deaths
 - 27,300 DUI convictions
- **Work zone crashes**
 - 3,405 crashes
 - 16 fatal crashes (21 people killed)
- **Proper Design, Maintenance and Work Zones can help reduce those numbers!**

ADA Initiatives | *Introduction*

- **Americans with Disabilities Act of 1990 (ADA)**
 - **Effective in 1992**
 - **Made it unlawful to discriminate against persons with disabilities**
 - **Title II of the ADA addresses public agencies**

Includes requirements to ensure access to pedestrian routes in the public right-of-way

ADA Initiatives | *Accessible Pedestrian Routes*

- **Successes – New and Reconstruction**
 - Sidewalk and curb ramp standards have met ADA requirements for all elements
 - All new design meets current standards
- **Challenges – Maintenance and Operation**
 - 4,000+ miles of sidewalks
 - 55,000+ curb ramps
 - A formal program for compliance is needed

ADA Initiatives | *ADA Compliance Program*

- **VDOT Goal for Maintenance Projects**
 - Install new curb ramps as required
 - Prioritize replacement/retrofit of existing ramps
 - No impact to paving schedules or other projects

- **VDOT Approach**
 - Dedicated funding (from construction program)
 - Separate on-call curb ramp improvements contracts
 - Deliver improvements around scheduled paving
 - Complete well in advance of the paving project
 - May be delivered after paving if necessary

Pavement Markings| *Past Issues Encountered*

- **Late installation of temporary markings**
- **Late installation of permanent markings**
- **Permanent markings not matching existing markings layout**
- **Scheduling and coordination issues**
- **B-6 Tape surface applied after pavement had cured**
- **Latex Emulsion not fully cured before B-6 Tape is surface applied**
- **Adhesive not fully cured before B-6 is surface-applied**

Pavement Markings| *2015 Paving Season*

■ **2015 Pavement Marking Special Provision**

- Clarifies measurement & payment for temporary markings and temporary symbols
- Revises Flexible Temporary Pavement Marker (FTPM) figures
- Improve organization and clarity

■ **Other initiatives:**

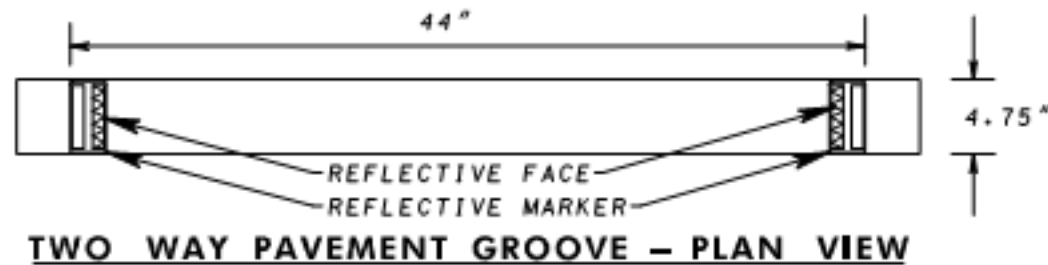
- Ongoing/future outreach to Inspectors and ACE's
- Improvements in pavement marking certification course materials

Pavement Markings| *2016 Paving Season*

- **Proposed changes will be based on previous discussions with Industry and Inspectors**
- **Consistent with the improved Section 704**
- **Proposed Major Changes**
 - **Improved organization & clarity**
 - **Documentation of existing markings**
 - **Greater guidance on temporary symbols**
 - **Strengthened language requiring inlaying of B-6 Tape (excepting latex emulsion surfaces)**
 - **Warranty on Material and Installation**

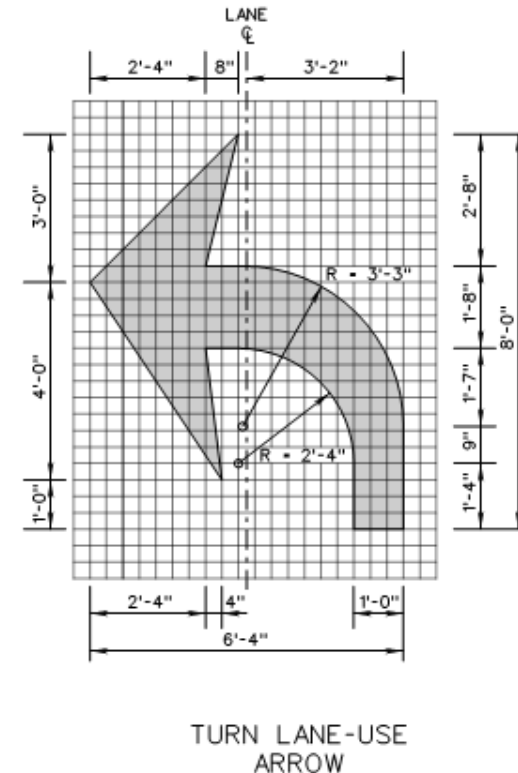
Pavement Markings| *Other Potential Future Initiatives*

- Grooved pavement markings (B-6 Tape or Thermoplastic)
- Recessed reflective pavement markers
- Greater guidance on contrast (black) markings on concrete surfaces



Upcoming Standards Revisions

- **Pavement Marking (PM) Standards**
 - Draft distributed to Industry on 8/19/14, currently reviewing comments received
 - Increased gore area hatch spacing
 - New details for common situations (e.g. crosswalks)
 - New guidance for symbol/message shapes



Upcoming Standards Revisions (cont.)

- **Sign Post Standards (STP and WSP)**
 - **Currently in internal VDOT review**
 - **Address use of square tube posts for temporary signs**
 - **Revised standards for non-coastal area of VA**
 - **Multiple foundation options for the designer**
 - **Bag Mix from Pre-Approved Products List will be allowed for foundations**

QUESTIONS???

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