2014 Fall Asphalt Conference

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VDOT Safety Reminders and Traffic Engineering Changes

Vanloan Nguyen, P.E.
Traffic Engineering Division
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
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 \textit{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???

- TED Assistant Division Administrator (TCD):
  - Vanloan.Nguyen@VDOT.Virginia.gov

- Markings, Signs, and TCD Specs/Standards:
  - Harry.Campbell@VDOT.Virginia.gov

- Temporary Traffic Control:
  - David.Rush@VDOT.Virginia.gov

- Temporary and Permanent Traffic Signals:
  - Don.Robbins@VDOT.Virginia.gov

- ADA Policy:
  - William.Duke@VDOT.Virginia.gov

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