

Network for Success

Local Programs Workshop



FHWA Perspective

Breakout Session #3 A

Track - Federal Program Requirements

H.W. “Winky” Chenault – Special Federal Fund Supervisor

Wayne Fedora – Assistant Division Administrator

Iris Rodriguez – Operations/LPA Engineer for FHWA

Martha Kapitanov – Highway Safety Engineer

Rudy Maruri – Division Bridge Engineer

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FHWA Perspective **Breakout Session #3 A** **Track - Federal Program Requirements**

Wayne Fedora – Assistant Division Administrator
Federal Highway Administration, Virginia Division



Funding Schedule

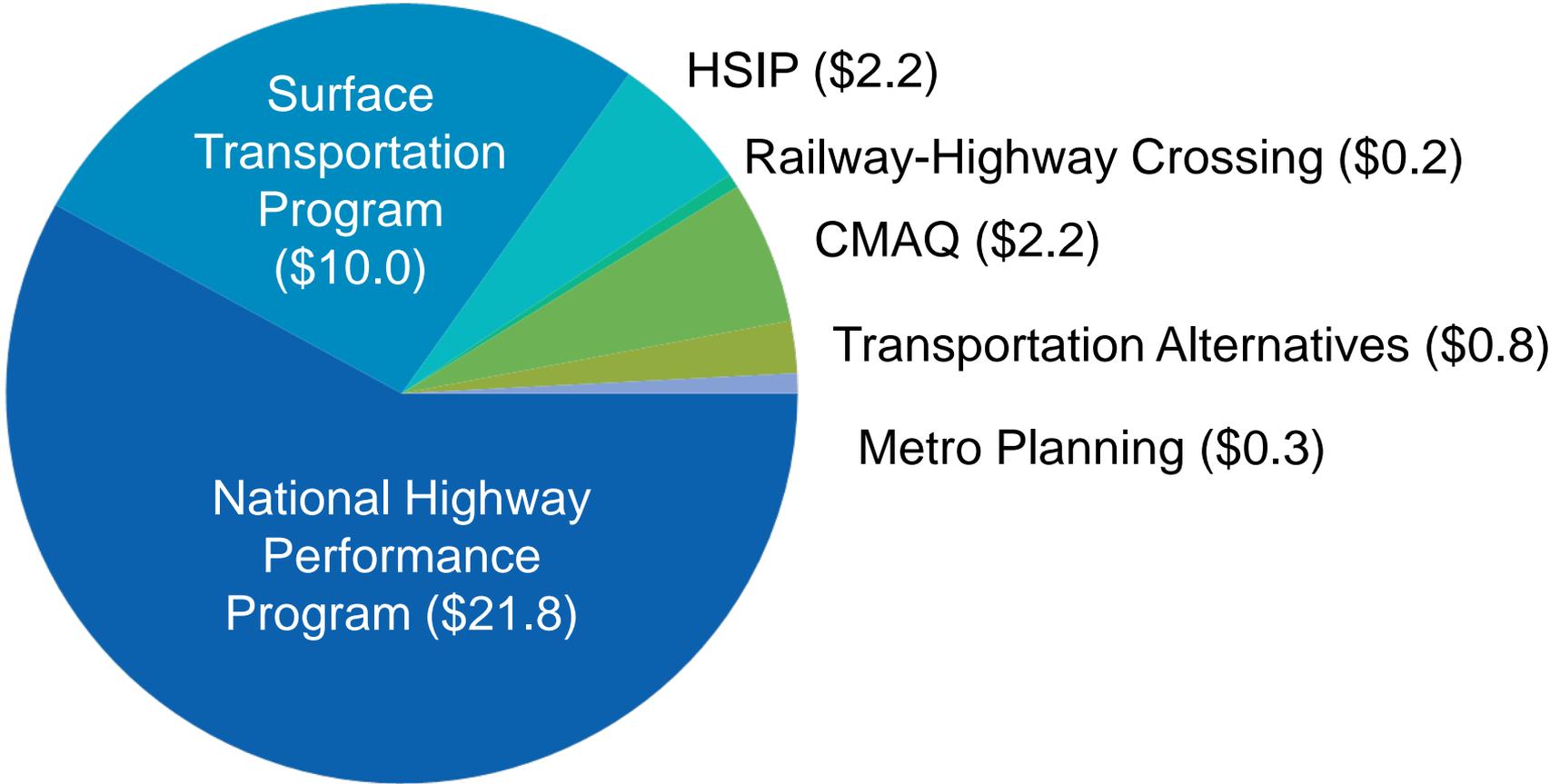
FY 2013 apportionment notice issued October 1.

- **Funds available in FMIS October 5.**
- **New program codes.**

FY 2013 obligation limitation notice will be issued by October 5.

- **Continuing resolution (CR) through March 27, 2013.**
- **CR rate based on FY12 enacted level.**

\$37.7 Billion/Year In Formula Funding



Note: Amounts in \$ billions; individual program amounts do not add exactly to total due to rounding

National Highway Performance Program (NHPP)

- **New program funded at \$21.8B.**
 - **Combines functions of the existing NHS, IM, and Bridge Programs**
- **Enhanced NHS will include previous NHS, all principal arterials, STRAHNET, and intermodal connectors.**
 - **Eliminates statutory mileage cap.**



Surface Transportation Program (STP)

- **Continues program, funded at \$10B.**
- **Closely follows previous STP, with expanded eligibilities.**
- **50% of funds to be sub-allocated based on population; remainder used in any area of State.**
- **Off-system bridge set-aside.**
- **Rural planning organizations, if any, must be consulted.**

Highway Safety Improvement Program (HSIP)

- **Maintains previous structure; adds requirement for regular update of the strategic highway safety plan.**
- **Keeps set-aside (\$220M/year) for rail-highway grade crossings.**
- **No high risk rural roads set-aside unless safety statistics worsen.**
- **Secretary to set measures and States to set targets for number and rate (per VMT) of injuries and fatalities.**
- **Strengthens link between HSIP and NHTSA programs.**

Congestion Mitigation & Air Quality Improvement Program

- **Performance plans required for large MPOs with a TMA population over 1 million, representing a nonattainment or maintenance area.**
- **States with PM 2.5 areas must use a portion of their funds to reduce PM 2.5.**
- **Some expanded authority to use funds for transit operations.**
- **Explicit support for installation of facilities serving electric or natural gas-fueled vehicles.**
- **CMAQ outcomes assessment study required.**



Transportation Alternatives Program (TAP)

- **New program eligibilities incorporate previous programs.**
 - **Most former Transportation Enhancement-eligible activities.**
 - **Recreational Trails Program.**
 - **Safe Routes to Schools program.**
 - **Planning, designing, or constructing roadways within the ROW of former Interstate or other divided highways.**
- **TAP sub-allocation similar to STP (50% by population/50% any area of the State).**

TIFIA

- **Lending capacity expanded – up to \$17 billion in credit assistance over 2 years; expanded flexibilities.**
- **Notice of Funding Availability (NOFA) released July 27, 2012.**
 - **Open for business now.**
 - **Letters of Interest will be accepted throughout the year.**
- **MAP-21 provides a 10% set-aside for rural projects.**

Tolling/Pricing

- **Two mainstream programs (Sections 129 and 166)**
 - **1st choice for tolling**
 - **No toll agreements**
 - **On existing highways any such tolling program usually must retain the pre-existing number of toll-free lanes.**
 - **Formal audit requirements (details to come later).**
- **Two pilot programs (VPPP, ISRRPP)**
 - **No change with MAP-21 (except, no new funds for VPPP).**
 - **Toll agreements required.**

Emergency Relief

- **Authorized at \$100 million per year.**
- **Debris removal from Stafford Act Disasters covered by FEMA.**
 - **Guidance for debris removal from Stafford Act disasters coordinated with FEMA.**
 - **States may approve overweight permits for divisible loads during major Stafford Act disasters.**
- **Emergency Relief Manual will be updated to reflect changes.**

Other Programs

- **Projects of National and Regional Significance**
 - **No action now; funds must be appropriated.**
- **Ferry Boat program**
 - **Now a formula program. Data verification underway.**
- **Appalachian Development Highway System**
 - **No new “ADHS” funding, but eligible under STP and NHPP (principal arterials).**
 - **New federal share of 100%.**
- **Federal Lands and Tribal Transportation**
 - **Included at \$1 billion annually.**

Transportation Planning

- **Metropolitan planning**
 - **MPOs to establish performance targets**
 - **Optional scenario planning with plan development**
 - **MPO serving a TMA selects project in consultation with the State and public transit operator except those on NHS, which are selected by State with in cooperation with MPO.**
- **Statewide & nonmetropolitan planning**
 - **Transition to performance-based, outcome-driven planning process, with State setting performance targets.**
 - **Long range plan includes report on conditions & performance of system relative to established performance measures.**

Freight Provisions

- **MAP-21 establishes National Freight Policy, and requires DOT to do the following.**
 - **Establish national freight network – Federal Register Notice on planned process will be released after October 1.**
 - **Develop a national freight strategic plan.**
 - **Report on freight conditions and performance.**
- **DOT must encourage States to establish freight advisory committees and develop State freight plans.**
- **Freight projects identified in a State freight plan may qualify for increased Federal share.**
 - **Up to 95% on the Interstate System and 90% elsewhere.**

Other Provisions

- **Revised bridge inspection rules (+ tunnel inspections).**
- **Uniform Relocation Act payment levels updated and may be updated in the future through regulation.**
- **Buy America applicable when federal funds on any contract and for entire project (as defined by NEPA document).**

Other Provisions

- **Secretary may delegate approval of Interstate access justification reports to State.**
- **Higher threshold for value engineering requirements;
not required off-NHS or for design-build.**
- **State may allow limited commercial activity in Interstate rest areas; commercial activities may be privately operated.**

Accelerating Project Delivery

- **Use of construction manager/general contractor (CMGC) method of contracting.**
 - **SEP-14 no longer needed.**
- **Accelerated completion of complex projects when State requests technical assistance.**
- **Increased Federal share for some innovative techniques (by up to 5%, with limitations).**

Accelerating the Environmental Process

- **Environmental review process streamlining**
 - **FEIS and ROD combined in certain cases.**
 - **Allows for the use of planning products in the NEPA process.**
 - **Deadlines for issue resolution with penalties for agencies.**
 - **Programmatic mitigation plans.**
 - **Reduced statute of limitations on claims (150 days, not 180).**
- **Expanded authority for Categorical Exclusion (CE)**
 - **Any State can assume responsibilities for CE.**
 - **Programmatic agreements for processing CEs allow States to determine CEs on FHWA's behalf.**
 - **Projects to repair roads damaged in declared emergency.**
 - **Projects within existing operational right-of-way.**
 - **Projects receiving limited Federal assistance.**

Steps For Implementation

- **MAP-21 Website:**
 - <http://www.fhwa.dot.gov/map21>
 - **Q&As, Guidance, and Fact Sheets.**
- **Posted guidance on web site September 25th.**
- **Stakeholder webinars and Stakeholder engagement.**
- **Resolution of remaining policy issues**
 - **Further guidance**
 - **Rulemaking**
- **VA Division Office (804) 775-3320.**

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FHWA Perspective Breakout Session #3 A Track - Federal Program Requirements

Iris Rodriguez – Operations/LPA Engineer for FHWA
Federal Highway Administration, Virginia Division

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Outline

- **Who is FHWA?**
- **VA Division**
- **FHWA/VDOT Partnership**
- **Stewardship Agreement**
- **Present and Future**
- **Questions**

Who is FHWA?

- **The Federal Highway Administration (FHWA) Division Offices are local field offices that provide**
 - **Leadership**
 - **Guidance**
 - **Direction**
- **Resource Centers that provide technical assistance and expertise**



- **LPA Team**

- **Lorenzo Casanova – Program**
- **Iris Rodriguez – Project**

- **Division Office Resources**

- **Safety**
- **Bridges**
- **Right-of-way**
- **Finance**
- **Civil Rights**
- **Planning and Environment**
- **Field Operations**

FHWA/VDOT Partnership

- **FHWA HQs – FHWA VA Division**
 - **Guidance and Policy**
- **FHWA VA Division – VDOT – LOCALS**
 - **Local Assistance Division (Program)**
 - **VDOT's Construction Districts (Project)**
- **Urban Construction Initiative (UCI)**
 - **Standardizing Contract Documents**

Stewardship Agreement

- **Project Types – VDOT has delegated the responsibility for the execution of the work to the Locality**
 - **Full Oversight Projects**
 - **FHWA concurrence/VDOT approval**
 - **Locally administered**
 - **Delegated Projects**
 - **VDOT approval**
 - **Locally administered**

Present & Future

- **Training Available**
 - **Federal-aid Essentials for Local Public Agencies – Central online library containing key information about Federal-aid requirements**
 - <http://www.fhwa.dot.gov/federal-aidessentials/>
 - **National Highway Institute**
- **Process Reviews**
 - **Contract Administration**
 - **Right – of – Way**

Federal – Aid Essentials



Federal-aid Essentials for Local Public Agencies

Federal-aid Simplified.

HOME

ABOUT

FEDERAL-AID ESSENTIALS VIDEO LIBRARY

STATE RESOURCES

All Federal-aid Essentials Videos

CIVIL RIGHTS

[Background and Purpose](#)
[Non-discrimination Requirements on Construction Contracts](#)
[Disability Protections](#)
[Transition Plans](#)
[Self-Evaluation Basics](#)
[Program Overview](#)
[Project Contract Administration](#)
[DBE Contract Goals](#)
[Evaluating Good Faith Efforts](#)
[Commercially Useful Function](#)

PROJECT DEVELOPMENT

[Selecting the Method of Construction: Contract or Force Account](#)
[Project Advertisement, Bid Review, and Request for Concurrence in Award](#)
[Environmental Requirements](#)
[Value Engineering Requirements for Federal-aid Projects](#)
[Bike and Pedestrian Accommodation](#)
[Pedestrian Accessible Design Requirements](#)
[Form FHWA-1273](#)
[Buy America Contract Requirements](#)
[Utility Coordination and Certification Requirements](#)
[Railroad Coordination and Certification Requirements](#)
[Right-of-Way Coordination and Certification Requirements](#)

PROJECT CONSTRUCTION AND CONTRACT ADMINISTRATION

FEDERAL-AID PROGRAM OVERVIEW

[Stewardship and Oversight](#)
[A Process from "Cradle to Grave"](#)
[Key Actions in the Cradle to Grave Process](#)
[Funding Basics and Eligibility](#)
[Project Requirements](#)
[National Bridge Inspection Standards](#)
[Consultant Services Overview](#)
[Hiring a Consultant Using Competitive Negotiation Procedures](#)
[Organizational and Consultant Conflicts of Interest](#)

FINANCE

[Introduction to Cost Principles](#)
[Common Grant Rule](#)
[Transparency Act Sub Award Reporting](#)
[Internal Control Regulations and Requirements](#)
[Introduction to Internal Control](#)
[Single Audit \(OMB Circular A-133\)](#)
[Developing an Indirect Cost Allocation Plan](#)
[Matching or Cost Sharing Requirements](#)
[Advance Construction](#)

RIGHT-OF-WAY (ROW)

[Introduction to Right-of-Way Requirements and the Uniform Act](#)
[Project Development](#)
[Property Management](#)
[Valuation](#)

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Questions



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Track - Federal Program Requirements

Martha Kapitanov – Highway Safety Engineer
Federal Highway Administration, Virginia Division

FHWA's Safety Website

<http://safety.fhwa.dot.gov/>

- ✧ **Intersection Safety**
- ✧ **Local and Rural Road Safety**
- ✧ **Pedestrian & Bicycle Safety**
- ✧ **Roadway Departure Safety**
- ✧ **Road Safety Audits (RSA)**
- ✧ **Policy & Guidelines**
- ✧ **Newsletters**
- ✧ **MUTCD**



- + Highway Safety Improvement Program (HSIP)
- + Intersection Safety
- + Local & Rural Road Safety
- + Pedestrian & Bicycle Safety
- + Roadway Departure Safety
- + Speed Management Safety
- Additional Safety Programs & Initiatives
- Proven Safety Countermeasures
- Capacity Building
- Crash Data Improvement Program (CDIP)
- Crash Tested Hardware
- Facts & Statistics
- Focused Approach
- Geometric Design
- Highway Safety Manual
- Manual on Uniform Traffic Control Devices (MUTCD)
- Motorcycles
- Newsletters
- Older Road Users
- Policy & Guidelines
- Railway-Highway Grade Crossings

Welcome to the FHWA Safety Program

Reducing Highway Fatalities

That's our job and our commitment – we work with our State and Local partners and others in the transportation community to develop and promote programs and technologies to reduce the number of fatalities and injuries on our Nation's roadways. In 2010, 32,885 people died in motor vehicle traffic crashes in the United States – the lowest number of deaths since 1949 (30,246 fatalities in 1949). In addition, 2010 saw the lowest fatality and injury rates ever recorded: 1.10 deaths per 100 million vehicle miles traveled in 2010, compared to 1.13 deaths for 2009. The number of people injured in motor vehicle crashes in 2010 declined for a 11th straight year in a row, falling an estimated 2.9 percent from 2009.

The FHWA Office of Safety's mission is to reduce highway fatalities by making our roads safer through a data-driven, systematic approach and addressing all "4Es" of safety: engineering, education, enforcement, and emergency medical services. Increasing awareness of the need for roadway safety infrastructure improvements is very important. We are striving to provide decision-makers important information, tools and resources that will improve the safety performance of roadways. Safety should be considered first, every time and at every stage of a project. Make safety your first consideration in every investment decision.

NEW! 2013 National Roadway Safety Awards Call for Nominations

The U.S. Department of Transportation (USDOT) Federal Highway Administration (FHWA) and Roadway Safety Foundation (RSF) are now accepting applications for the **2013 National Roadway Safety Awards**. Jointly sponsored by USDOT FHWA and RSF, these awards recognize roadway safety achievements in infrastructure, operational, and program-related improvements.

Additional details, instructions, and application packets are available at <http://safety.fhwa.dot.gov/roadwaysafetyawards/>. All nominations must be received by March 31, 2013 to be considered.

NEW! Safe Roads for a Safer Future A Joint Safety Strategic Plan

The Federal Highway Administration (FHWA) Office of Safety, Office of Safety Research and Development, and Resource Center Safety and Design Technical Services Team have come together to develop this *Safe Roads for a Safer Future – A Joint Safety Strategic Plan* (hereafter referred to as the Safety Strategic Plan or SSP). The process brings together these safety units to focus on a common vision: toward zero deaths and serious injuries. [read more](#)

Proven Safety Countermeasures

This Web site will be your one-stop shop for information on the latest FHWA-recommended set of research-proven safety countermeasures and FHWA guidance on countermeasure considerations.

Many of these countermeasures are low-cost solutions, and FHWA encourages its partners to consider implementing these countermeasures broadly, as appropriate, to reap the benefits of using

eSubscribe

Get e-mail updates for the FHWA Safety Program

Highlights

NEW Safety Compass Newsletter - Fall 2012 (Vol 6, Issue 2)

NEW Guidance memorandum on the Roadside Design Guide - 4th Edition

Bicycle Road Safety Audit Guidelines and Prompt Lists

RSA Newsletter - Spring 2012

Web-based HSIP Courses
Five new web-based courses related to the HSIP are available from the National Highway Institute

Pedestrian Forum - Spring 2012

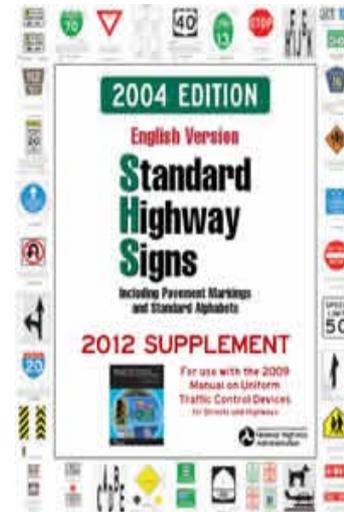
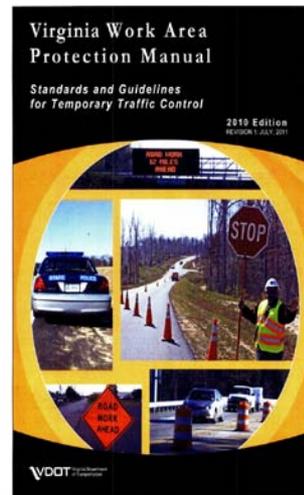
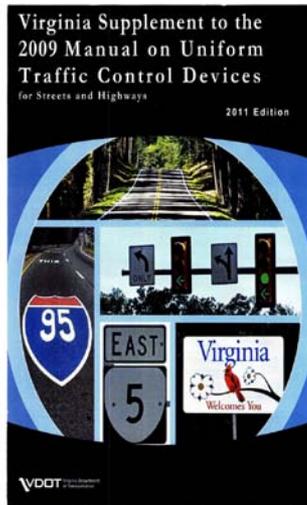
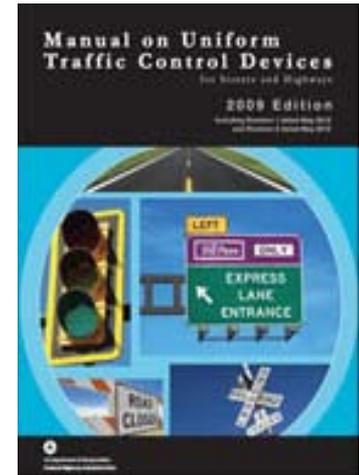
Proven Safety Countermeasures

HSM Managers Guide

Integrating Road Safety into NEPA Analysis: A Primer for Safety and Environmental Professionals:
• Brochure
• Report

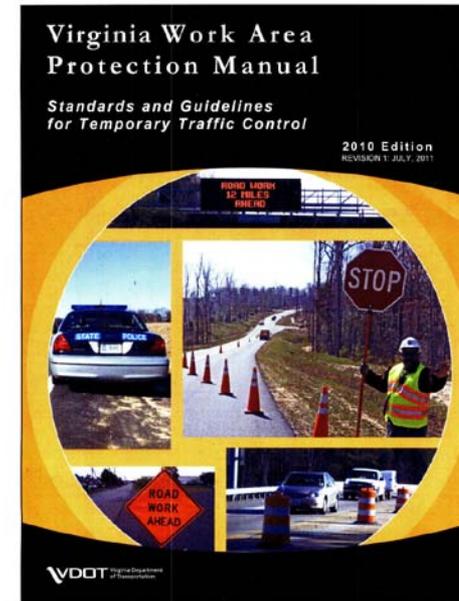
MUTCD Compliance

- Manual on Uniform Traffic Control Devices
 - <http://mutcd.fhwa.dot.gov/>
- Standard Highway Signs book
- Clearview fonts
- VA's Supplement



Work Zone

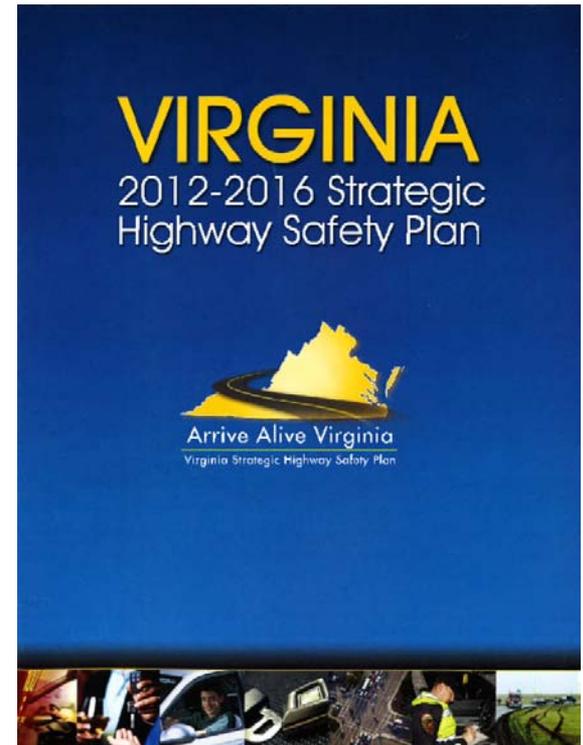
- 2009 MUTCD Part 6
- 2007 FHWA's Work Zone Safety Final Rule
- VA's 2011 WAPM
 - Work Zone reviews



Strategic Highway Safety Plan

Six Emphasis Areas for the updated SHSP:

- **Speeding;**
- **Young Driver;**
- **Occupant Protection;**
- **Alcohol-Related Incidents;**
- **Roadway Departure;**
- **Intersections; and**
- **Data Collection, Management, and Analysis**



Proven Safety Countermeasures

- **Roundabouts**
- **Corridor Access Management**
- **Backplates with Retroreflective Borders**
- **Longitudinal Rumble Strips and Stripes on Two-Lane Roads**
- **Enhanced Delineations and Friction for Horizontal Curves**
- **Safety Edge**
- **Medians and Pedestrian Crossing Islands in Urban and Suburban Areas**
- **Pedestrian Hybrid Beacon**
- **Road Diet**



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Questions???

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Rudy Maruri – Division Bridge Engineer
Federal Highway Administration, Virginia Division

Topics

Bridges

- **Asset Management**
 - Inventory
 - Condition of Bridges
 - Inspection
 - Preservation
- **Initiatives by FHWA and in Virginia**
- **Questions**

Asset Management - Inventory

	National			Virginia		
Number	State Owned	Locality Owned	Total	State Owned	Locality Owned	Total
Bridges	292,795	304,218	597,013	11,911	1,456	13,367
Percent	49%	51%		89%	11%	

Locally Owned:

Counts of Bridges:

		State	Nat.
Structurally Deficient (SD):	160	11.0%	14.8%
Functionally Obsolete (FO):	326	22.4%	11.8%
Deficient:	486	33.4%	26.6%

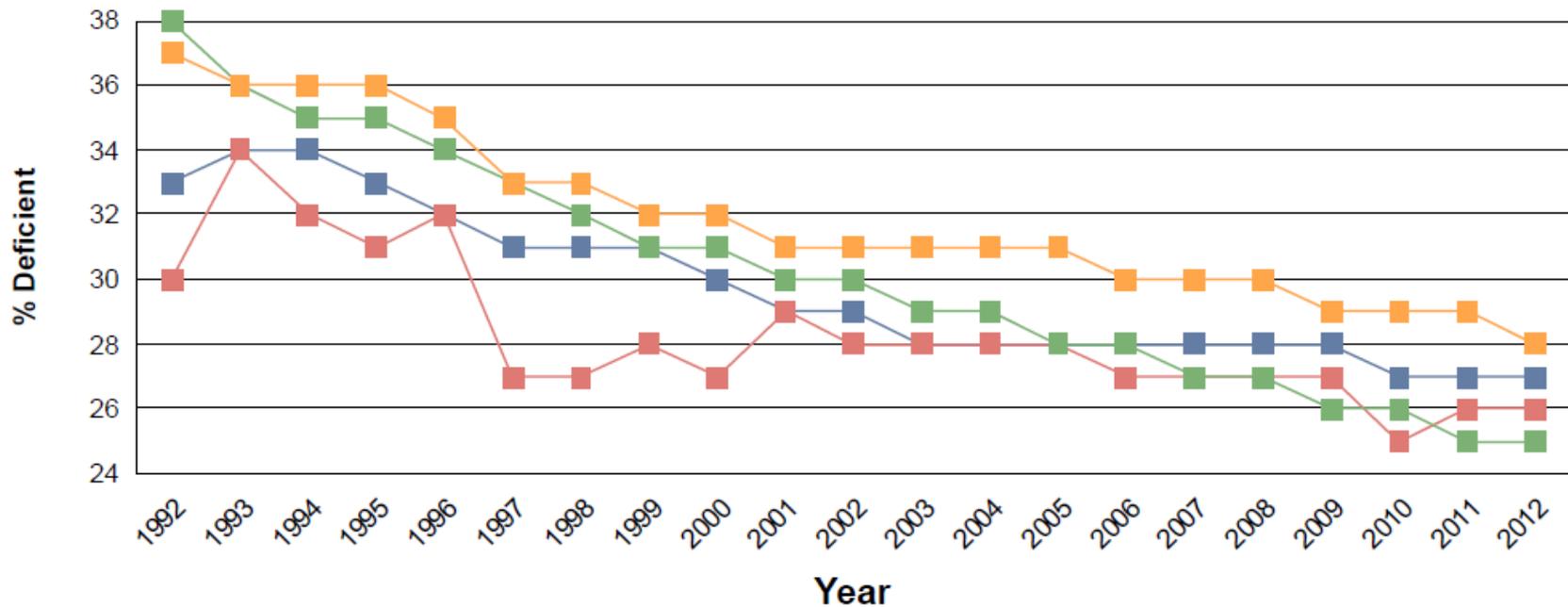
Area of Bridges (Square Meters):

		State	Nat.
Structurally Deficient (SD):	99,940	8.2%	11.5%
Functionally Obsolete (FO):	274,565	22.4%	20.1%
Deficient:	374,506	30.6%	31.7%

Bridge Conditions

Bridges in need of TLC in Virginia vs. National

All Structures - Comparison of Deficiency Percentages by Numbers and Area with National Trends



■ State % Deficient by Numbers
■ State % Deficient by Area
■ National % Deficient by Numbers
■ National % Deficient by Area

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Safety Inspection Program

Bridge Safety Inspection Program (NBIP)

23 Metrics

2011 Results

- 21 full compliance
- 2 conditional compliance (Frequency of inspections)

2013 Reviews

- 1 district complete
- 1 district to complete – **next week!**

Tunnel Safety Inspection Program (NTIS)

NTIS Coding Guide

- Member of coding guide team
- Next review October-November
- Element level inspection
- Modeling after NBIS

Preventive Maintenance

Preventative Maintenance agreements

Bridge Preventative Maintenance (PM) Agreement - 10 years

Completed Movable Bridge PM Agreement

Completed Tunnels PM agreement

Contract Templates

Bridge Cleaning and Washing

Bridge Painting

District Wide PM

FHWA Initiatives

Leading the way!

**High Performance Materials
Research and Implementation**

Leading the Way!

EDC

NTIS

Preventive Maintenance Bridges

- Contract Templates

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PBES – We done that in Virginia



**Coleman Bridge
Yorktown, VA**

I-95 over James River Richmond, Virginia



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PBES on I-95/I-64



**I-95/I-64 over
Boulevard
Richmond, VA**



Projects

Major Projects

Dominion Boulevard – City of Chesapeake

Lesner Bridge – City of Virginia Beach

McIntire Interchange – City of Charlottesville

City Bridges

160+ Locally Owned Bridges

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Questions?



THANK YOU

