

# Subcommittee on Maintenance Update

Des Moines, Iowa

July 20, 2015

# SCOM Update

- Strategic Plan (AASHTO and SCOM)
  - Vision
  - Mission
  - Goals
- Domestic Scan on Maintenance Budgeting
- Safety
- Regional Meetings
- TWG Participation

# AASHTO Strategic Plan

- Vision
  - AASHTO supports members in the development of transportation solutions that create economic prosperity, enhance quality of life, and improve transportation safety in our communities, states, and the nation as a whole.
- Mission
  - AASHTO supports its members through...
  - Policy development
  - Advocacy
  - Technical Services
  - Leadership development
  - Advancing partnerships and promoting innovation
- Goals
  - Provide Value to Members
  - Provide Innovative Technical and Professional Services and Products
  - Be a Leader in National Transportation Policy Development
  - Communicate the Value of Transportation

# SCOM Strategic Plan



## Vision

- Supports members with guidance for the maintenance operations of the evolving transportation system, and addresses new challenges through leadership and innovation.



## Mission

- Provides technical and policy guidance to members and supports the AASHTO organization in preserving and maintaining a safe and reliable highway infrastructure that meets the expectations of its customers.

# SCOM Strategic Plan



## Goals

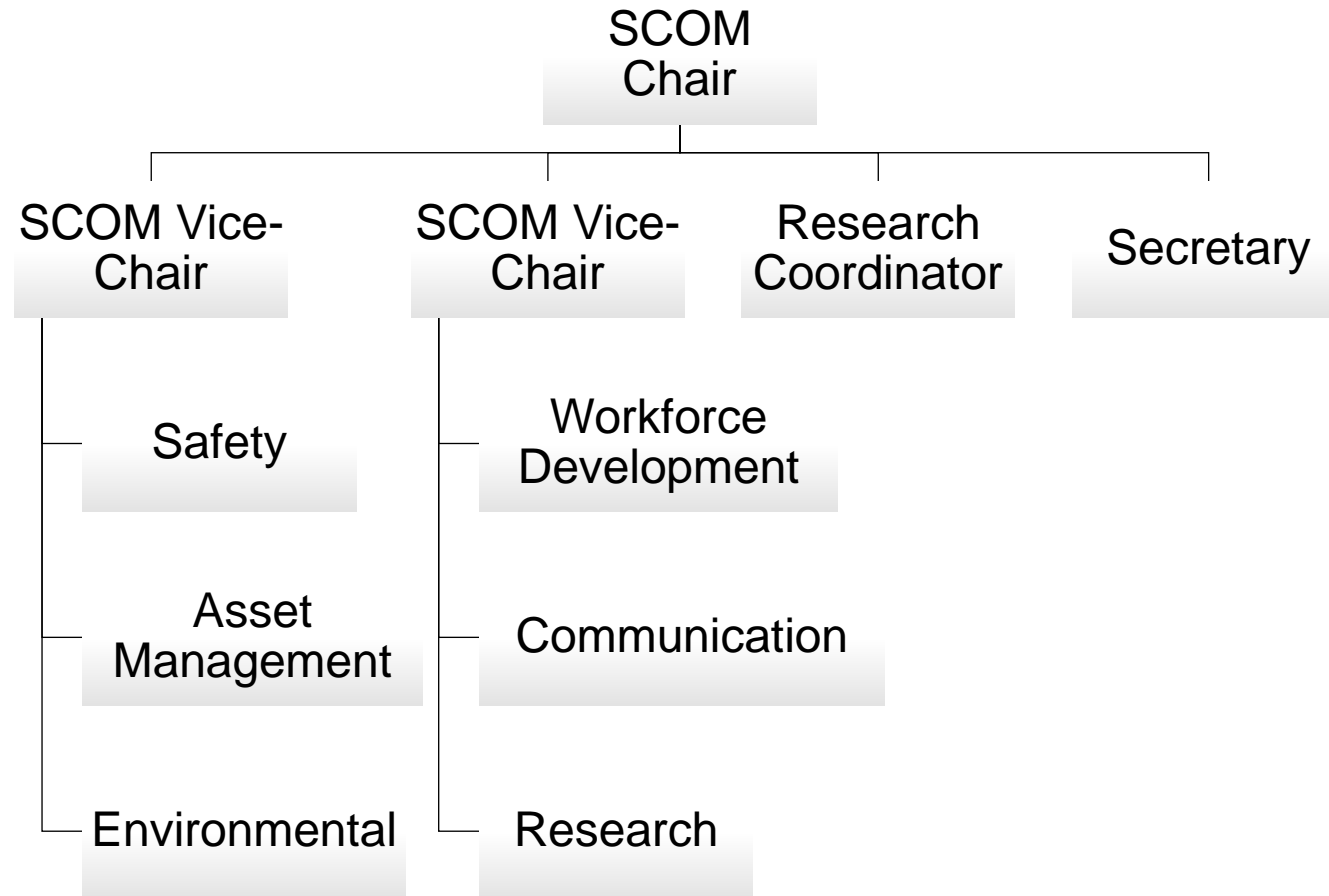
- The products and actions of SCOM will support members in their efforts to promote:
  - A safe, reliable highway system in a state of good repair
  - Accountability and transparency through performance management
  - Environmental stewardship and compliance
  - A well-qualified and competent workforce
  - The communication of the value and role of maintenance
  - Research, innovation and emerging technology

# SCOM Strategic Plan

Six “Strategic Focus Areas” connect to the goals as follows:

- **Safety**
  - Goal: Promote a safe, reliable highway system in a state of good repair.
- **Asset Management**
  - Goal: Promote a safe, reliable highway system in a state of good repair;
  - Goal: Promote accountability and transparency through performance management.
- **Environmental**
  - Goal: Promote environmental stewardship and compliance.
- **Workforce Development**
  - Goal: Promote a well-qualified and competent workforce.
- **Communication**
  - Goal: Promote the communication of the value and role of maintenance.
- **Research**
  - Goal: Promote research, innovation and technology.

# SCOM Structure



# SCOM Structure

Five technical working groups (TWGs):

- **Pavement** - Promotes the preservation and maintenance of pavements
- **Bridge** - Promotes the preservation and maintenance of bridges
- **Roadway/Roadside** - Focuses on highway maintenance issues including traffic services, vegetation, safety appurtenances, signs, striping, drainage, and lighting
- **Equipment** - Addresses equipment issues and champions the principles and practices of effective equipment management.
- **Maintenance Operations** - Focuses on highway maintenance operations issues including work zone safety, snow and ice control, and emergency response



## Strategic Focus Areas

Technical Working Groups	Safety	Asset Management	Environment	Workforce Development & Retention	Communication	Research
<b>Pavement</b>	Workforce Work zone Equipment operations Public	Performance measures for maintenance including MAP21 Asset management systems Performance management System preservation Accountability and transparency	Regulation and compliance Climate change mitigation and adaptation strategies Life cycle assessment Sustainability Ecosystems (invasive species and endangered species)	Innovative training	Marketing -value of maintenance -successful strategies Outreach to and education of stakeholders including: -elected officials -general public -executives Research products and implementation	Research needs Research findings Adaptation of technology to maintenance Adaptation of maintenance to technology Innovations
<b>Bridge</b>				Knowledge management		
<b>Roadway/Roadside</b>				Succession planning		
<b>Equipment</b>				Safety training		
<b>Maintenance Operations</b>				Implementation of retention strategies		

### Primary Activities of each Technical Working Group

Writing Guidelines and Standards, Updating Manuals, Identifying and Communicating Emerging Practices, Project/Program Delivery, Website maintenance, Newsletters, Basic Governance, Technical Service Program Coordination

NCHRP 20-68A  
“US Domestic Scan Program”

**Domestic Scan 14-01**  
**“Leading Management Practices in  
Determining Funding Levels for  
Maintenance and Preservation”**

# NCHRP 20-68A - “U. S. Domestic Scan Program”

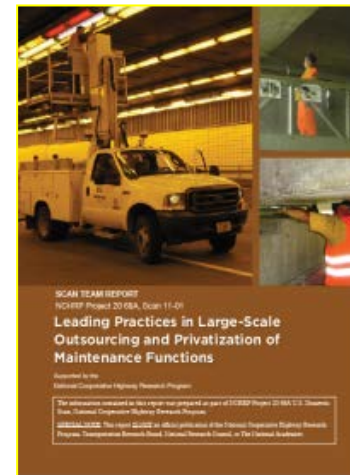
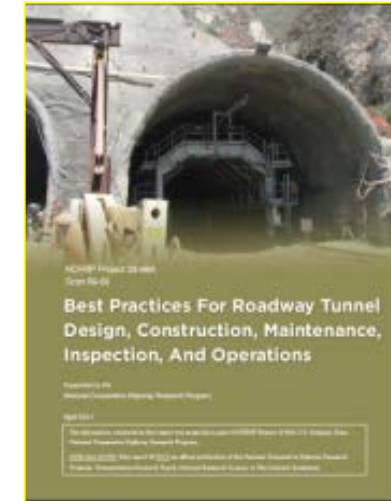
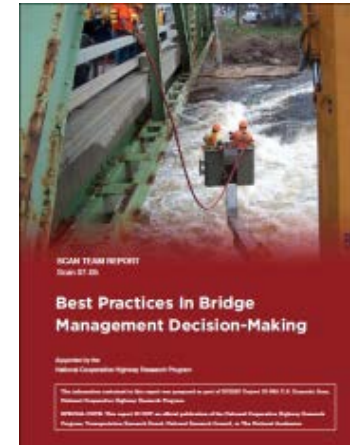
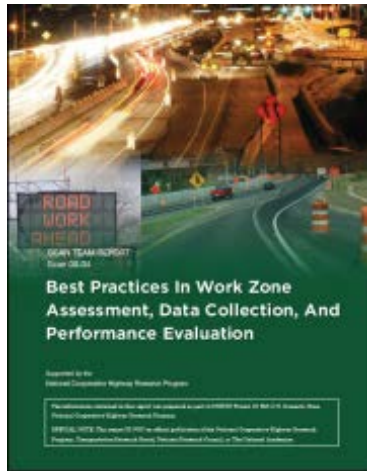
- The Program is a multi year project conducting 3-4 scans per year
- Each scan is selected by AASHTO and the NCHRP 20-68A Project Panel
- Each scan addresses a single technical topic of broad interest to many state departments of transportation and other agencies
- The purpose of each scan and of Project 20-68A as a whole is to accelerate beneficial innovation by:
  - facilitating information sharing and technology exchange among the states and other transportation agencies
  - identifying actionable items of common interest

# Published Domestic Scan Reports Related to Maintenance

are available at:

(<http://144.171.11.40/cmsfeed/TRBNetProjectDisplay.asp?ProjectID=1570>)

(<http://www.domesticscan.org>)



# Scope of Scan 14-01

This scan will undertake to identify funding allocation practices within state DOTs and other transportation agencies that have successfully ensured reliably adequate funding to support the delivery of efficient and effective maintenance programs.

The team plans to examine how agencies:

- determine funding for system maintenance and preservation;
- allocate funding across their districts and regions;
- How allocate funding to districts/ regions;
- determine the optimal budgetary allocations;
- Establish performance measures to monitor effectiveness of the budget provided and how the performance measures link to future funding allocations.

# Anticipated Outcome of the Scan

***“The findings of this scan could provide a better understanding of how to implement successful approaches to ensure reliably adequate funding to support effective and efficient maintenance and preservation programs.”***

# Team Roster

Mark C. McConnell P.E. – AASHTO Chair  
Deputy Executive Director/Chief Engineer  
Mississippi Department of Transportation

Thomas Van  
FHWA, Office of Asset Management, Pavements, and  
Construction, Asset Management Team (HIF-HIAP-40  
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1200 New Jersey Avenue, S.E.

Tim Lattner, P.E.  
Florida Department of Transportation  
Director, Office of Design

Tony Sullivan  
Assistant Chief Engineer – Operations  
Arkansas State Highway & Transportation  
Department (AHTD)

Lonnie Watkins  
State Management Systems Engineer  
Management Systems and Assessments Unit  
North Carolina DOT

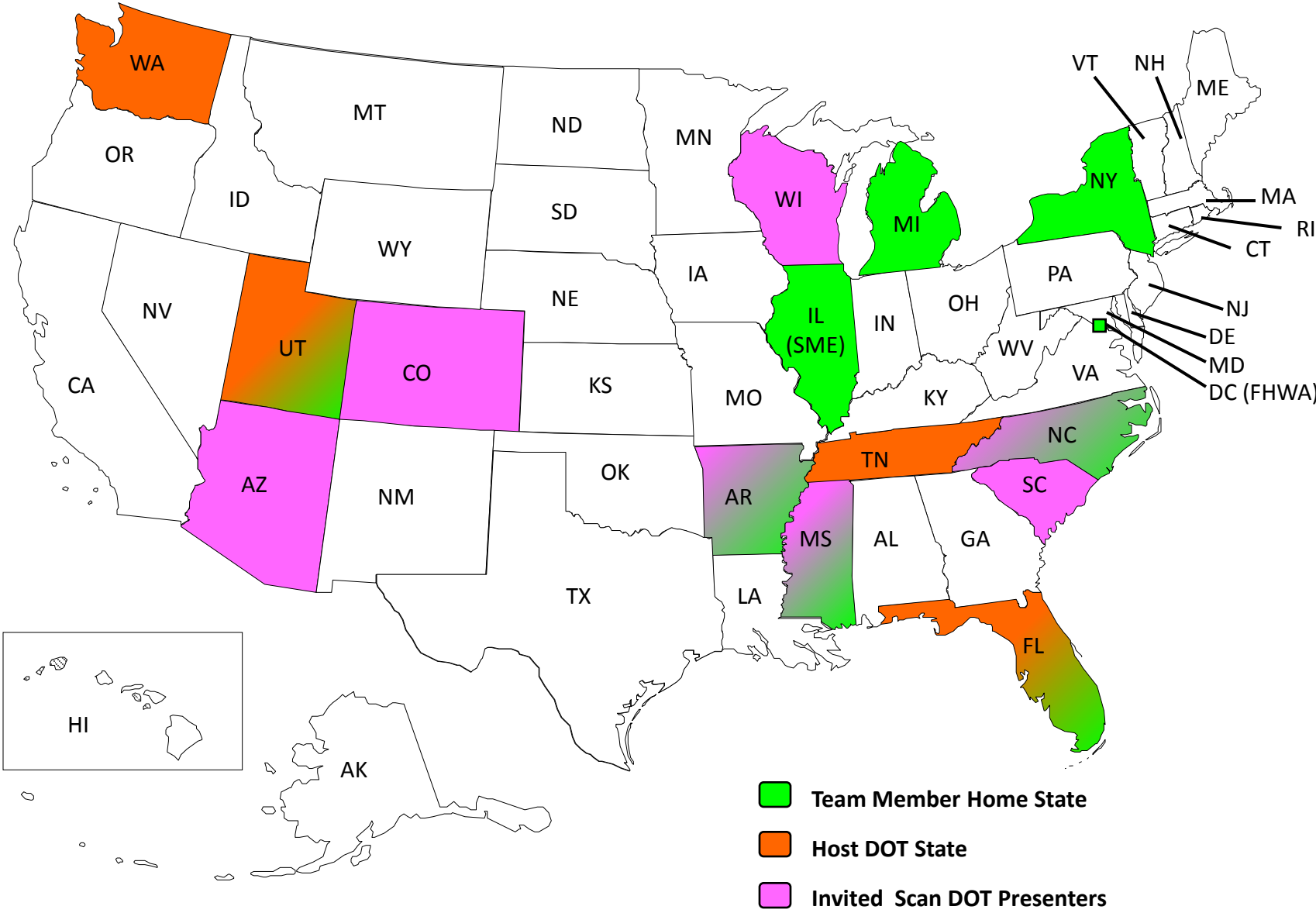
Laura J. Mester, CPA  
Chief Administrative Officer  
Michigan Department of Transportation

Michael Rossi  
Office of Technical Services  
New York State Department of Transportation

Cory Pope, P.E.  
Program Development Director  
Utah Department of Transportation

Katie Zimmerman, P.E. - SME  
President  
Applied Pavement Technology, Inc.

# Scan 14-01 Team Members Home State and Host Agency States





# Current Schedule

- Scan Team Travel
  - August 30, 2015 to September 5, 2015
  - October 4, 2015 to October 10, 2015
- Summary Report – early November, 2015
- Final Report April-May, 2015

# Safety

## AASHTO Initiative - Toward Zero Deaths

- Worker safety
  - Work Zone
  - Occupational
  - Health
- Driver safety
  - Distracted Drivers
  - Public awareness

# Regional Meetings

- Discuss regional issues
- Open dialogue
- Shared experiences/issues
- Need feedback

# TWG Participation

- Please participate in a TWG of your choosing
- The output is only as good as the input
- Participation is needed year round
- Next year we will ask during registration which TWGs you would like to be affiliated with
- The leadership needs participation from its members/participants

# Thanks

- Erle Potter – Virginia
- Chris Christopher - Washington