

# National Equipment Management Meeting

Columbus, OH

June 28, 2016

# AASHTO Update

- Introduction
- Subcommittee on Maintenance Strategic Plan and Structure
- Where does EMTSP fit within SCOM and TSP2
- EMTSP - Vision, Mission Goals
- Safety

# 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

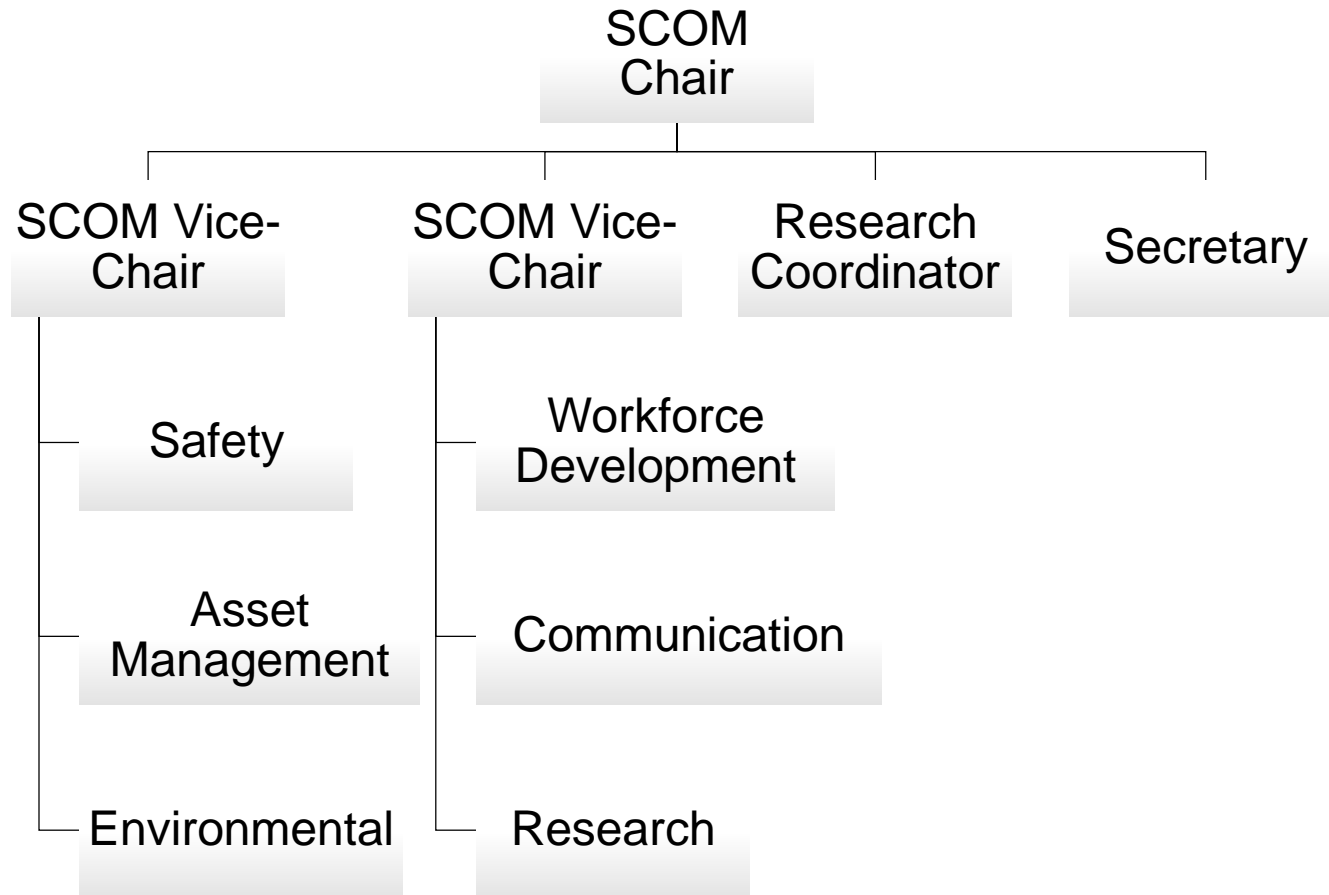
- The products and actions of SCOM will support members in their efforts to promote:
  - A safe, reliable highway system in a state of good repair
  - Accountability and transparency through performance management
  - Environmental stewardship and compliance
  - A well-qualified and competent workforce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



# EMTSP Strategic Plan



## Vision

- To serve as the comprehensive national resource supporting effective and efficient governmental highway equipment fleet management.



## Mission

- To provide governmental equipment fleet management personnel and agency executives with the resources, material and support to promote effective fleet asset management, advance emerging equipment technologies, communicate best practices, and to provide a voice to decision makers and industry on issues impacting fleet operations.

# EMTSP Strategic Goals



## Goals

- **EMTSP – Strategic Goals:**
- **Goal 1:** Support regional equipment management partnerships.
- **Goal 2:** Promote awareness of available equipment technologies.
- **Goal 3:** Facilitate the exchange of information and ideas among equipment management professionals.
- **Goal 4:** Advance fleet management best practices.
- **Goal 5:** Maintain and support the equipment fleet management research roadmap.
- **Goal 6:** Promote and support professional development opportunities for equipment fleet managers.
- **Goal 7:** Monitor and disseminate information regarding new and proposed regulatory changes that have potential impact upon highway equipment fleets.
- **Goal 8:** Develop and promote common performance measures for equipment fleet management.

# EMTSP Focus Areas

- **Equipment Program Administration**
- **Fleet Maintenance**
- **Resourcing**
- **Regulatory Compliance & Stewardship**
- **Workforce Development**
- **Research**
- **Communications**

# Observations/Future

## Safety

- AASHTO Initiative - Toward Zero Deaths
- Worker safety
  - Work Zone – smart work zones, work zone intrusion
  - Occupational
  - Health
- Driver safety
  - Distracted Drivers
  - Public awareness

# Observations/Future

## Innovation

- Connected and Autonomous Vehicles
- Platooning
- Smart Equipment
  - Intelligent Compaction
  - Automated Grading
- Work Force Changes
  - Baby Boomers vs Generation Y

# Conclusion

- Equipment and Asset Management are vital today and going into the future.
- Funding for new construction is down, focus now on preservation
- Technology is always changing, this group needs to be a leader in wading through these enhancements
- Consider the workforce in 2030. What will DOT's look like?
- Take advantage of this meeting. It is not just meeting to come and enjoy. Take the things you learn home with you.
- Develop relationships.

Thanks