

AASHTO Equipment Management Technical Services Program

EMTSP Update

For

Midwest/Northeast Regional Equipment Management Conference

June 24 -27, 2013

Valley Forge, Pennsylvania



Background

- **Policy Resolution 2008-11 establishing EMTSP was approved by the AASHTO Board of Directors in October 2008**

Subcommittee on Maintenance
Technical Working Groups

Pavements

Roadway/Roadside

Highway Safety & Reliability

Bridges

Equipment

EQUIPMENT
Technical Working Group

EMTSP Oversight Panel

N CPP

(Contractor to administer the program)

EMTSP

(Equipment Management Technical Services Program)

EMTSP Oversight Panel

Name	Title	State	AASHTO Region
W. James Smith	Equipment Division Chief	Pennsylvania	1 (NE)
Ronald Pruitt	Equipment Management Coordinator	Alabama	2 (SE)
Tim Cunningham	Equipment Engineer	Kansas	3 (MW)
Bruce Erickson	Fleet Services Manager	Oregon	4 (W)
Ken Valentine	Superintendent, Central Garage	Vermont	At Large
Dennis Halachoff	Fleet Management Manager	Arizona	At Large
Erle Potter	State Equipment Manager	Virginia	Chair

EMTSP Strategic Plan

(Updated June 2012)

Vision Statement:

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

EMTSP Strategic Plan

(Updated June 2012)

Mission Statement:

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 Plan

(Updated June 2012)

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.

EMTSP Strategic Goals

(Updated June 2012)

Goals

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.

EMTSP Strategic Goals

(Updated June 2012)

Goals

Goal 8: Develop and promote common performance measures for equipment fleet management.

EMTSP Accomplishments

- Formalized regional partnership networks of DOT equipment managers to improve peer communications and provide opportunities and a venue for DOT fleet managers to voice their concerns on issues impacting fleet operations
- Established a schedule of biennial regional partnership workshops alternating with biennial national workshops with DOT equipment managers, industry partners, academia, and consultants to share the latest technical information, updates on regulations, lessons learned, and best practices.
- Collaborated with TRB committee AHD 60, Maintenance Equipment in developing and conducting the first National Equipment Management Workshop in 2012.

EMTSP Accomplishments

- Provided an updated online AASHTO Equipment Reference book containing nationwide contact information, equipment specifications, new or innovative equipment ideas and concepts, and other beneficial reference information.
- Collaborated with the AASHTO Winter Maintenance Technical Service Program (WMTSP) and industry experts in providing the latest technical information on the technology, use, applications, and benefits of vehicle telemetric systems.
- Continue work on developing the model training and certification curriculum appropriate for state equipment management and equipment repair positions by revising the skills matrix developed by the Transportation Curriculum Coordination Council (TCCC).

EMTSP Accomplishments

- Facilitated the development, approval, and publishing of AASHTO guides resulting from appropriate related research projects:
 - *Guidelines for Selection and Application of Warning Lights on Roadway-Operations Equipment*
 - *Decision Making for Outsourcing and Privatization of Vehicle and Equipment Fleet Maintenance*
- Implemented technology transfer initiatives through the interactive website (<http://www.emtsp.org>)
 - Establish listserv (emtsp@mail.egr.msu.edu) for fleet managers seeking and disseminating technical information.
 - Modify the EMTSP website to provide similar information as the AASHTO Equipment Reference book to eliminate the need of continuing that publication
 - Modify the website to provide a “clearinghouse” for equipment specifications, surveys, and other links to trade publications and relevant articles.



Equipment Management Technical Services Program



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Equipment Management Technical Services Program (EMTSP)

The EMTSP comprises four regional equipment management partnerships of State Highway Agency (SHA) Equipment Managers and their staffs. The partnerships exist to serve as the comprehensive national resource supporting effective and efficient governmental highway equipment fleet management. For more details on the goals of the program, please visit the [about page](#).



[Midwest](#)



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2013 Equipment Partnership Sponsors

Page last modified: June 20, 2013

EMTSP Search

National Performance Metrics

Partnership Meetings

- 2013 Joint MW&NE [2013-06-(23-27)]
- 2013 WSHEMA [2013-08-(27-29)]
- 2012 National [2013-06-(24-28)]

EMTSP News

EMTSP Chat Room

Travel Request Form

[Download](#)

AASHTO Resolutions

- Developed and submitted Resolution 12-03, Equipment Fleet Management Performance Measures
 - Promote the use of the key performance metrics for the equipment fleet including utilization, preventive maintenance, retention, and availability/downtime in light of ongoing concerns of performance measurement and the recent passing of MAP-21.
 - Evolved from the 2012 National Equipment Fleet Management Conference in Mobile, Alabama
 - Approved by the AASHTO Standing Committee on Highways (SCOH)

(More later)

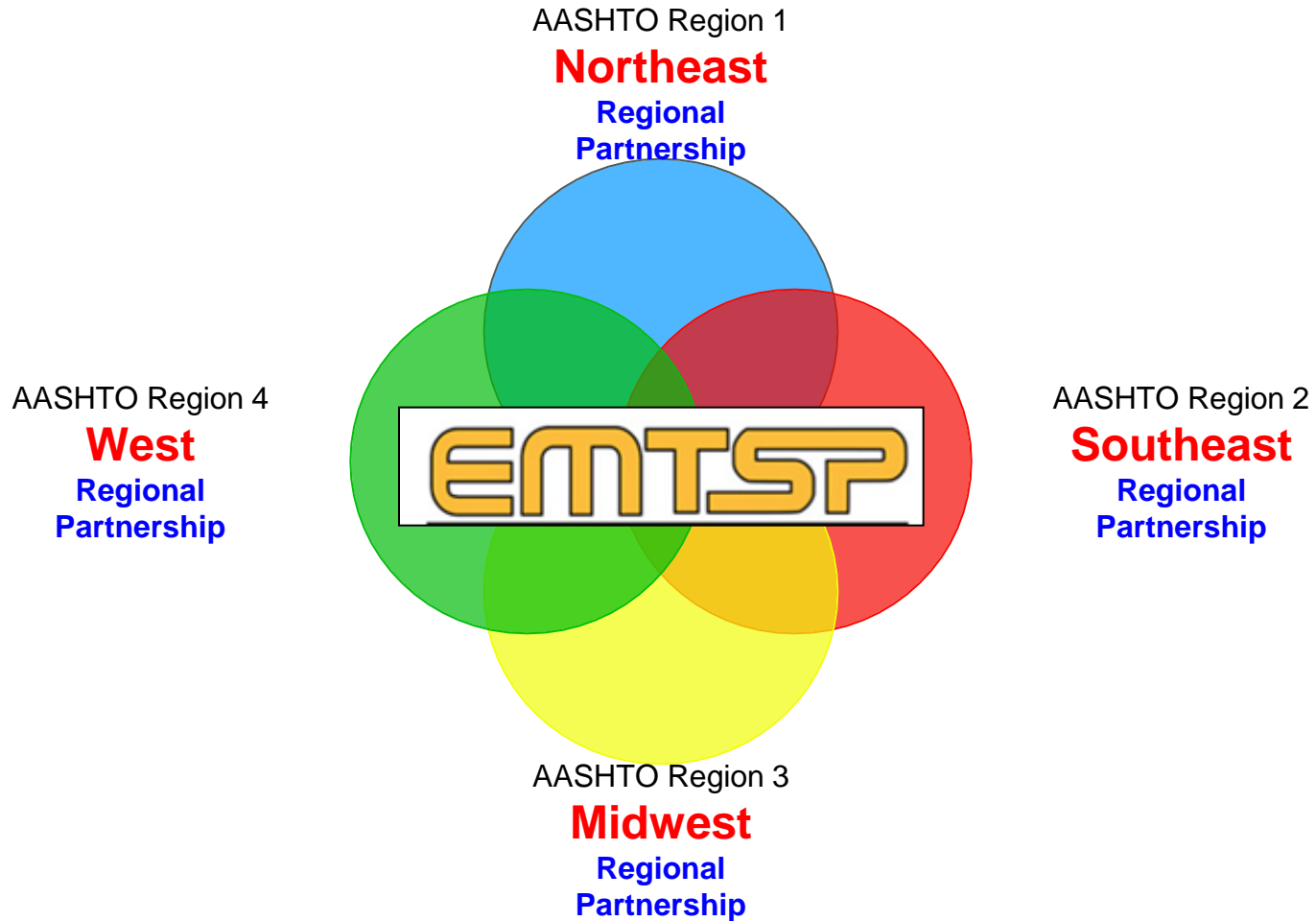
AASHTO Resolutions

- Developed and submitted Resolution 12-04, EMTSP Partnership Meetings
 - Establishes biennial National EMTSP Meetings beginning in 2014 and biennial Regional EMTSP Meetings beginning in 2013, with the location of the National Meeting being rotated among the four AASHTO regions and including 12-16 hours dedicated for concurrent regional meetings.
 - Issue arose at the 2012 National Equipment Fleet Management Conference in Mobile, Alabama
 - Approved by the AASHTO Standing Committee on Highways (SCOH)

Regional Partnerships

A means to exchange ideas, information, and best practices with other fleet management professionals in other states within their regions and nationally with other regions.

Regional Partnership Vision



Regional Partnership Meetings

2013

Regional Meeting	Date	Location
Western States Highway Equipment Managers Association (WSHEMA)	August 27-29	Salt Lake City, UT
Joint Midwest/Northeast EMTSP Regional Meeting	June 23-27	Philadelphia PA
Southeastern States Equipment Managers Conference (SSEMC)	June 2-6	Little Rock, Arkansas

Performance Measures

Goal 8: Develop and promote common performance measures for equipment fleet management.

Participants: EMTSP Oversight Panel and the National Performance Measurement Working Group, which was formed at the National Meeting in 2012

Objective 1: Determine applicable Performance Measures through the EMTSP regional partnerships that may be adopted by state DOT equipment fleets

Status: Completed. Resolution approved by SCOH

Performance Measures

Objective 2: Encourage each State fleet to implement the four Performance Measures and share the results.

Task: Develop a format and a process to share the Performance Measures from each State fleet

Action: Finalize the definitions of each performance measure and work with NCPP and the EMTSP Oversight Panel to post each State's performance measures on the EMTSP website

Target: First posting of results from DOTs that have them available - July 2013

Status: The EMTSP Oversight Panel and the National Performance Measurement Working Group have begun the process of determining a format for presentation of the data and will be reconvening the Working Group to work out additional details.

Research Completed

NCHRP Project 20-7 –Task 309:

Challenges and Opportunities: A Strategic Plan for Equipment Management Research

(“Research Roadmap”)

- 9 topics, 5 potential research problem statements
- Final report of the workshop deliberations and findings completed and posted on EMTSP Website
 - (<http://www.emtsp.org>) ***“Challenges and Opportunities: A Strategic Plan for Equipment Management Research”***
- Topics prioritized by attendees of 2012 National Equipment Management Conference

Research Completed

Results of Ballot at 2012 National Equipment Management Conference:

Rank	Challenges
#2	Fleet Performance Measurement
#5	Equipment Cost and Financial Management
	– Cost of Service Analysis
	– Charge-Back System
#3	Equipment Utilization Measurement
#1	Equipment Replacement Management
	– Replacement Cycle Guideline Development
	– Repair/Rebuild vs Replace Decision Making
	– Equipment Replacement Planning
	– Equipment Replacement Financing
#4	Equipment Disposal and Remarketing

Research

Proposed

- Developed research problem statement titled Guidelines for the Development of Highway Operations Equipment Replacement Lifecycle Criteria
- Presented to AASHTO Subcommittee on Maintenance in July, 2012
- Ranked #1 by the subcommittee and submitted to NCHRP
- Favorably evaluated by NCHRP and designated as NCHRP Problem 2014-G-11
- Approved by AASHTO Standing Committee on Research (SCOR) in late March of this year. NCHRP is currently soliciting nominations for the research panel members.

Research

Future

- Research problem statement currently under development:
 - Guidelines for the Development of Highway Operations Equipment Utilization Measurement and Management
- Plan to present to AASHTO Subcommittee on Maintenance in July, 2013

Questions?

