

Equipment Technical Working Group

2015 Report



WELCOME!

I. Please Sign the Attendance Sheet as it is passed around!

If you attend multiple days, please put a check mark next to your name.

TWG Members

- ▶ Chair: Erle Potter, Virginia DOT
- ▶ Vice Chair: Ron Pruitt, ALDOT
 - (Performance Management and Workforce Development)
- ▶ Vice Chair: Tim Cunningham, KSDOT
 - (Environmental and Research)
- ▶ FHWA Liaison: Jim Stevenson, FHWA–OK
- ▶ Other Members – Please introduce yourselves

II. Completed Activities for the Past Year

Tim Cunningham – Vice Chair

A. Equipment TWG

1. NCHRP Project 13-04, Guidelines for the Development of Highway Operations Equipment Replacement Lifecycle Criteria has a project panel selected, RFP has been written, solicited, evaluated and awarded to a research agency – Dye Management Group, Inc. Project start date was May 1, 2015. Projected completion date – March 2017.
2. NCHRP Project 13-05, Guidelines for the Development of Highway Operations Equipment Utilization Measurement and Management is on-going. A project panel has been staffed, RFP has been written, solicited, evaluated and awarded to a research agency – Washington State University. Projected start date was June 1, 2015. Projected completion date – May 31, 2017.

II. Completed Activities for the Past Year

B. The Equipment Management Technical Services Program (EMTSP)

1. Received contributions of \$117,000 from 39 states (75%) in Fiscal Year 2015 as of June 23, 2015. This is 1 state and \$3,000 short from this time last FY.



EMTSP
Contributions

2. Updates to the EMTSP Strategic Plan have been completed, which can be found on the “Administrative” page of the EMTSP website at the following link:
<http://www.emtsp.org/about-emtsp/>
3. 2015-2017 EMTSP Work Plan has been updated and can be found on the “Administrative” page of the EMTSP website at the following link: <http://www.emtsp.org/about-emtsp/>

II. Completed Activities for the Past Year

C. Regional Partnership Conference highlights, successes and challenges reported by respective EMTSP oversight panel members:

- The joint Northeast Equipment Management Partnership and the Midwest Equipment Management Partnership met jointly in St. Louis, Missouri on June 15-18, 2015
- Southeastern States Equipment Managers Conference met in Myrtle Beach, South Carolina on June 21-25, 2015
- Overview of future Western States Highway Equipment Managers Association meeting in Anchorage, Alaska on August 23-27, 2015

II. Completed Activities for the Past Year

- D. Overview of the 94th Annual TRB Meeting in Washington, D.C., Jan 11-15, 2015 – Lisa Kunzman

III. Review of Current Research Projects – Tim Cunningham – Vice Chair

- A. Problem Statement, Guidelines for the Development of Highway Operations Equipment Multi-year Replacement Plans was submitted and voted the #2 priority by AASHTO SCOM in 2014
- Problem Statement was not approved
 - Equipment TWG considering to revise and resubmit

IV. Develop New Research Problem Statement – Tim Cunningham & Bruce Erickson

- A. Listed below are the present top research priorities from the balloted results at the 2014 National Equipment Management Conference as polled from all of the regions:
(**Highlighted** items have been/ are being worked on)

Rank	Challenges
#2	Fleet Performance Measurement
#5	Equipment Cost and Financial Management
Selected 2015	– 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
Submitted 2014	– Equipment Replacement Planning
	– Equipment Replacement Financing
#4	Equipment Disposal and Remarketing

1. Select project for 2015

2. Submitted 2014, problem statement developed by Lisa Kunzman

IV. Develop New Research Problem Statement – Tim Cunningham & Bruce Erickson

B. Review current and last year's Problem Statements

- Discussion, selection, development and finalization of the 2015 research problem statement:
 - o Guidelines for the Development of State Department of Transportation (DOTs) Highway Operations Equipment Multi-year Replacement Plans
 - o Guidelines for the Development of Highway Operations Equipment Fleet Management Cost of Service, Analysis, Measurement and Management



Fleet Cost of
Service & Equip Planr

IV. Develop New Research Problem Statement – Tim Cunningham & Bruce Erickson

- C. Present and discuss the remaining research topics listed in the final version of the research problem statement ballot completed during the business meeting at the 2014 summer SCOM meeting in Charleston, W.V.



BALLOT 2014
Research Priorities

- D. Present the final version of Research Problem Statement selected to go forward by the TWG during the Thursday Business Meeting

V. Develop New NCHRP 20-7 Research Problem Statements – Tim Cunningham & Selected Authors

- A. Discussion, development and finalization of the two (2) NCHRP 20-7 research problem statements to be submitted at the 2015 SCOM
- NCHRP full research processes (generally more than \$100K and more than a year in length to complete).
 - NCHRP 20-7 research process (generally less than \$100K and less than a year to complete).
 - Research concepts were developed by the regional partnerships in Orlando at the 2014 National Conference

V. Develop New NCHRP 20-7 Research Problem Statements – Tim Cunningham & Selected Authors

- Regional Partnerships are encouraged to develop and submit as many NCHRP 20-7 research topics as wished
- Those NCHRP 20-7 research priorities selected to move forward will have the Problem Statement and all related documentation written and developed by a member of the submitting Regional Partnership. The documents were to be submitted to the EMTSP Oversight Panel NLT 06/01/15 for review.
 - o Identification and finalization of selected NCHRP 20-7 Research Problem Statements to be submitted during the Thursdays Business Meeting

V. Develop New NCHRP 20-7 Research Problem Statements – Tim Cunningham & Selected Authors

- B. Multiple Regional Partnership priorities (excluding those considered by the partnership for NCHRP 20-7 project consideration) must identify a primary selection and be noted as such.
- During the next National Meeting in 2016 – these candidate priorities will be evaluated and voted upon in general session. Those selected will augment the previously identified full NCHRP research projects remaining.
 - Show and discuss attachment-



Research
Roadmap Priorities

VI. Continued Development and Finalization of New Research Problem Statement to be submitted at the 2015 SCOM – Tim Cunningham & Bruce Erickson

VII. Continued Development and Finalization of New NCHRP 20-7 Problem Statements to be submitted at the 2015 SCOM – Tim Cunningham & Selected Authors

VIII. Update on the AASHTO EMTSP/NCPP Equipment Management Training and Certification Program – Larry Galehouse, NCPP

- A. Discuss how this program evolved from the NCDOT Fleet Management Training Program into the AASHTO EMTSP/NCPP Equipment Management Training and Certification program today.
- B. During the 2014 National Conference each DOT completed a survey prioritizing their 10 most critical training modules, Survey report next slide:

VIII. Update on the AASHTO EMTSP/NCPP Equipment Management Training and Certification Program – Larry Galehouse, NCPP

Top Priorities - EMTSP Training Modules

State DOT Designated Members

Ranking	Response Percentage	Question Number and Description
1	73.9%	#9 - Performance Measures for Managing Heavy Equipment Fleets
2	73.9%	#4 - Equipment Utilization
3	68.2%	#3 - Benchmarking/Best Practices
4	65.2%	#5 - Development of Equipment Specifications
5	60.9%	#10 - Establishing Equipment Complements and Sizing of Fleets
6	59.1%	#11 - Fleet Budget Management
7	56.5%	#8 - Procurement, Replacement, and Disposal Procedures for Heavy Equipment
8	52.4%	#22 - Fleet Safety Compliance
9	52.2%	#13 - Fleet Management Systems
10	52.2%	#25 - Leadership and Motivating Others

VIII. Update on the AASHTO EMTSP/NCPP Equipment Management Training and Certification Program – Larry Galehouse, NCPP

- C. Dec. 02, 2014 the Oversight Panel voted upon and selected two (2) course topics to be proposed to TC-3 for consideration for Web-Based course development
- Preventive Maintenance Concepts for Fleet Management
 - Benchmarking and Best Practices within Fleet Management
 - The web-based topics were deemed suitable by the panel for their overall application to all levels of management and were submitted to TC-3

VIII. Update on the AASHTO EMTSP/NCPP Equipment Management Training and Certification Program – Larry Galehouse, NCPP

- D. TC-3 approved the proposal in Feb, 2015
- E. Discussion on next steps to be taken to develop and finalize the Fleet Manager Certification Program



W. Smith
Document



Proposed EMTSP
riculum & NEPPP

VIII. Update on the AASHTO EMTSP/NCPP Equipment Management Training and Certification Program – Larry Galehouse, NCPP

F. Proposal – AASHTO-EMTSP Certified DOT Equipment Fleet Manager Program



Proposal Cert.
et Manager Progr

G. Resolution #1 – Establishment of an AASHTO-EMTSP Certified DOT Equipment Fleet Manager Training Program



Certification
Initiatives NEPPP



Resolution for
t. Fleet Mgr. Traini

IX. New or Updated Activities and Publications – Dick Baron, NCPP

A. Status update of the EMTSP Website

1. EMTSP website provides continuous updates from each region as it pertains to equipment fleet management and training. All state DOT equipment managers (and others interested in receiving periodic e-mail related to the EMTSP) are encouraged to subscribe to the EMTSP listserv by clicking on the link: EMTSP General Listserv.

IX. New or Updated Activities and Publications – Dick Baron, NCPP

2. Email Distribution Lists update – Regional Partnerships and Global
3. Annual TRB Meeting update – Video Presentations
4. Survey Monkey ® update

<http://www.emtsp.org/>

IX. New or Updated Activities and Publications – Dick Baron, NCPP

CONTACT INFORMATION

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X. Program updates National Performance Measurement Working Group – Scott Ratterree, Michigan, DOT

- A. First web posting of performance measures, from DOTs that have them available, was completed - July 2013.
- B. Last performance measure posting has been completed –January 2015 with the next report due in July 2015.
- C. Program status review of state participation and data submitted.
- D. The EMTSP Oversight Panel and the National Performance Measurement Working Group to develop action items going forward.

XI. Activities for the Coming Year – Tim Cunningham

- A. Continue overseeing EMTSP and maintaining the strategic plan
- B. Continue to update and enhance the EMTSP website with reference materials, equipment specifications, surveys, press releases and news articles
- C. Continue monthly, bi-monthly or quarterly regional conference calls.
- D. Continue other activities as listed in the TWG Work Plan

XI. Activities for the Coming Year – Tim Cunningham

E. Resolution #2 – Establish an Increase of AASHTO-EMTSP Annual Contributions



Resolution for
base Annual Contr



EMTSP 2015
BUDGET



AASHTO
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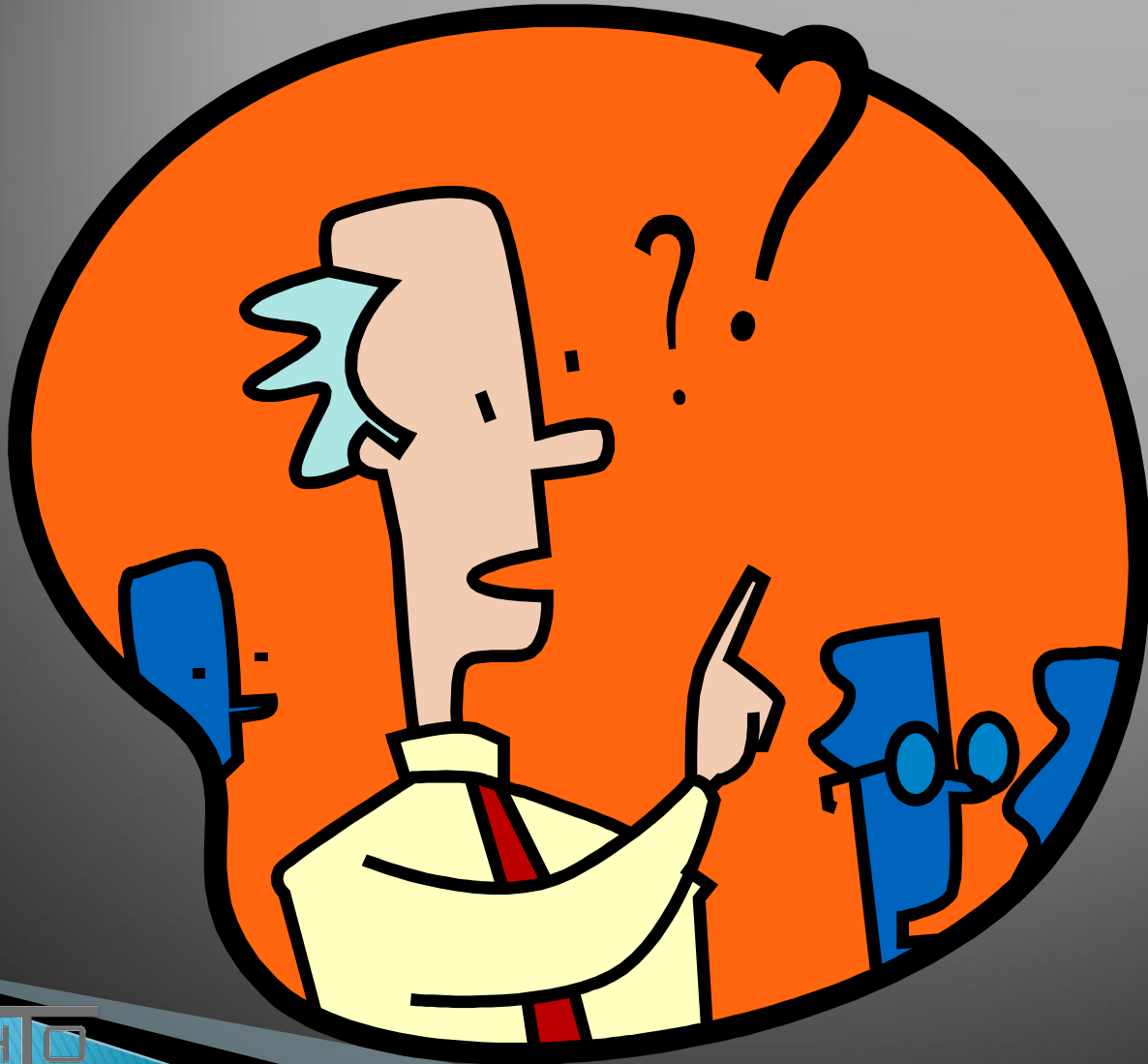
XII. TRB AHD60 – Committee on Maintenance Equipment Updates – Lisa Kunzman

- A. Membership programs
- B. On-going projects and programs
- C. 95th Annual TRB Meeting, January 2016
Washington, D.C.

XIII. Open discussion – Tim Cunningham

- A. Solicit discussion topics from the floor
- B. Note topics for further exploration or work by TWG or EMTSP

Any Other Questions or Comments?





Oversight Panel Meeting

Moderators, Tim Cunningham & Ron Pruitt – Vice Chairs, EMTSP

XIV. EMTSP Oversight Panel Meeting

Review Accomplishments

- A. Regional Partnerships Update (Each region to report on new technology, equipment, management techniques or accomplishments that would be of interest to the EMTSP members they have observed during the past year)
 - 1. Northeast – PRESENTER: Jim Smith
 - 2. Midwest – PRESENTER: Tim Cunningham
 - 3. West – PRESENTER: Bruce Erickson
 - 4. Southeast – PRESENTER: Ron Pruitt

XIV. EMTSP Oversight Panel Meeting

Review Accomplishments

B. EMTSP Strategic/Work Plan

1. Review current document
2. Complete any open objectives, tasks, and action items

C. Review of the EMTSP website for new ideas and topics

XV. Discussion and Status update on the 2016 Joint National AASHTO-EMTSP/TRB Conference and Trade Show – Tim Cunningham and Ohio DOT

- A. Dates and Location
- B. Conference Details
- C. Vendor Participation and Outreach
- D. Educational Programs
- E. Establishment of 2016 Joint National Conference Committees
- F. Schedule of conference calls required for the preparation of the 2016 Joint National AASHTO-EMTSP/TRB Conference and Trade Show
- G. Other conference related items

XVI. 2017 Regional Partnership Conferences – Tim Cunningham

- A. Commence discussion on locations, dates and events for the 2017 biennial regional partnership conferences

XVII. Elect New Equipment TWG & EMTSP Oversight Panel Chair – Mark McConnell, SCOM Chair

Panel discussion and vote on the replacement of present Chair, Erle Potter.

XVIII. Conclusions – Tim Cunningham

A. Wrap-up and Final Comments

B. Meeting Conclusion and Closure

ADJOURN!