Equipment Working Group
Tim Cunningham, KS
2018 Work Plan Accomplishments 1 of 1

Asset Management

- Supported the EMTSP National Performance Measurement Working Group effort to compile and post each State DOT’s available equipment metrics to the EMTSP website

- Identified and developed AASHTO resolution requesting the adoption of a fifth performance measure, SCHEDULED vs UNSCHEDULED repairs
2018 Work Plan Accomplishments 1 of 1

Workforce Development

- Developed three web-based training modules:
  - Preventive Maintenance Concepts for Fleet Management
  - Benchmarking and Best Practices within Fleet Management
  - Establishing Core Equipment Complements and the Optimal Sizing of State Equipment Fleets (90% complete)
2018 Work Plan Accomplishments 1 of 1
Communication

➤ Organized and are hosting the EMTSP 2018 National Fleet Management Conference next week

➤ Continued the enhancement of the EMTSP website with links, updated contact lists, State’s performance measures and conference presentations
2018 Work Plan Accomplishments

Research

- Completed NCHRP 13-04 “Guide for Optimal Replacement Cycles of Highway Operations” (will have recommendation for AASHTO on the last slide)

- Completed WSHEMA Domestic Scan tour in summer of 2017
  - Focused on winter maintenance equipment
  - Lighting, marking, storage, technical specifications, replacement cycles, etc.
Asset Management

- Maintain to support the EMTSP National Performance Measurement Working Group effort to compile and post each State DOT’s available equipment metrics to the EMTSP website
2019 Work Plan 1 of 1

Workforce Development

- During the 2018 EMTSP National Conference the remaining list of critical training modules will be refreshed and reprioritized
- A Survey Monkey ® poll will be released to the membership asking each state for new training module topics
2019 Work Plan 1 of 1

Communication

- Organize and host EMTSP Regional meetings
  - Northeast/Midwest – Oklahoma
  - Southeastern – Virginia
  - Western States – Colorado
2019 Work Plan 1 of 1

Research

- Resubmit Scan Tour – *Equipment Asset Preservation and Protection Techniques*
- Resubmit Scan Tour - *Innovations in Equipment Management Organizational Approaches at State Transportation Agencies*
- Support “on going” research and explore implementation opportunities for NCHRP 13-04 research
Proposed Research

“Strategies to Maximize Vehicle and Equipment Resale Values to Optimize Fleet Total Cost of Ownership”

- Determining the most cost-effective methods for decommissioning and remarketing used equipment to maximize value
- Guide to help DOT fleet managers prepare and schedule equipment for remarketing
Resolution

**EQUIPMENT PERFORMANCE MEASURES**

- Recommends adoption of a fifth National Equipment Performance Measure – SCHEDULED vs UNSCHEDULED Repairs
WHEREAS, the AASHTO Standing Committee on Highways and Subcommittee on Maintenance previously adopted four national equipment fleet performance measures in 2012, and

WHEREAS, the Equipment Technical Working Group and the four EMTSP Regions identified the need for and approved the initial development and adoption of the following national equipment fleet performance measures: Replacement Recommended, Utilization, Preventive Maintenance Compliance, and Availability/Downtime; and

WHEREAS, the Equipment Technical Working Group and the four EMTSP Regions identified the need and support the future development of additional metrics above and beyond the initial four identified measures; and

WHEREAS, the Equipment Technical Working Group and the four EMTSP Regions recognize the importance of measuring Scheduled versus Unscheduled Repairs: A metric for tracking/reporting scheduled (preventive) versus unscheduled (corrective) repairs is necessary to ensure effective and efficient management of State DOT vehicles and equipment as well as scheduling of preventive maintenance inspections.

BE IT RESOLVED, that the AASHTO Maintenance Committee approves and recommends the development and implementation of a fifth National Equipment Performance Measures, Scheduled versus Unscheduled Repairs.
Request to have AASHTO publish NCHRP 13-04 as an AASHTO research user guide, tool and publication