

# Equipment Working Group

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**EMTSP**

**AASHTO**  
THE VOICE OF TRANSPORTATION

Equipment Management  
Technical Services Program



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# 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 1 of 1

## 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.

# 2019 Work Plan 1 of 1

## 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

- Develop Web-base training module – “Utilization Concepts for State DOT Equipment Fleets”
- During the 2018 EMTSP National Conference the remaining list of critical training modules will be refreshed and reprioritized
- A Survey Monkey<sup>®</sup> 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

# POLICY RESOLUTION

## TITLE: EQUIPMENT PERFORMANCE MEASURES

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**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