Web-Based Training Update

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Attendees of the 2014 National Equipment Conference identified a list of potential training topics.

In February 2015, EMTSP made an application with AASHTO TC3 to host two courses on the TC3 website under “scholarship”.

In June 2015, EMTSP was awarded a scholarship by AASHTO TC3.

In fall 2015, two courses from the list of potential training projects were approved by the EMTSP Oversight Panel.

In 2016, a second round of potential training topics was solicited.

In April 2017, Memorandum of Understanding (MOU) signed between EMTSP and TC3.
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Completed Courses
• Preventative Maintenance Concepts
• Benchmarking and Best Practices

Under Development
• Establishing Core Equipment Complements and the Optimal Sizing of State Equipment Fleets
• Equipment Utilization
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Preventative Maintenance Concepts

Preventive Maintenance Concepts for State Fleet Operations

Introduction

Training support files are available as attachments from the paperclip icon in the bottom right-hand part of the screen.
Preventative Maintenance Concepts

Topics Covered
• Fundamental Preventative Maintenance principles
• Basic Elements of a Preventative Maintenance program
• Basic fleet supervisor and fleet technician responsibilities within the program
• Advantages and disadvantages of various maintenance models
• Fleet Management Systems to capture operating data
• How to measure and analyze Preventative Maintenance program performance
Benchmarking and Best Practices for State Equipment Fleet Management

Module 1: Performance Management

Training support files are available as attachments from the paperclip icon in the bottom right-hand part of the screen.
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Benchmarking and Best Practices Course

Topics Covered
- Fundamental Concepts of Performance Management
- Performance Metric Categories
- Identifying appropriate Performance Metrics for Benchmarking
- Identifying Performance Metric Targets
- Internal and external benchmarking
- What to do with benchmarking data
- The limitations of benchmarking
- Identifying fleet best practices
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Establishing Core Equipment Complements and the Optimal Sizing of State Equipment Fleets Training Course

Topics Covered
• Overview of the optimization process
• Identifying the right equipment matrix for the intended operation
• Developing an Equipment Condition Assessment Program
• Advantages of leasing, renting, and other alternative sourcing of equipment
• Benefits of rebuilding and retaining long design-life heavy duty equipment
• Fleet replacement funding mechanisms
Future Topics

• Call for ideas. Previously identified topics from 2014 include:
  o Development of Equipment Specifications
  o Procurement, Replacement, and Disposal Procedures
  o Performance Measures for Managing Heavy Equipment Fleets
  o Fleet Budget Management
  o Fleet Management Systems
  o Fleet Safety Compliance
  o Leadership and Motivating Others