



Resource Center

Asset Management (AM) Services

Technical Assistance & Training

October 2019

This document was developed to provide a reference tool for FHWA Division asset management specialists on available technical assistance and training resources. These are asset management resources that the RC TPM/AM/Freight (RC TAF) Team can deliver/deploy upon FHWA Division Office request. They are intended to support the professional capacity needs of Division Office staff as well as state DOTs and MPOs. For more information on whether a resource may be appropriate to meet partner needs, please contact the RC staff lead for that particular offering. For general questions on training and technical assistance services from the RC TAF team, please contact Lisa Randall (lisa.randall@dot.gov), Technical Director.

TECHNICAL ASSISTANCE (TA)

DOT and MPO needs. These include tailored workshops, overview webinars, on call technical assistance and program/process reviews. RC staff leads can help you scope the needs of your office and your partners, and can help identify options that might help meet your requirements. If you have a need for technical assistance on an asset management topic that you do not see listed or are not sure who to contact, please reach out to Lisa Randall (lisa.randall@dot.gov), Technical Director.

Forms of Technical Assistance

The Resource Center offers a variety technical assistance strategies to support customer needs on topics related to asset management. Examples of types of technical assistance that the RC can make available, include:

- technical reviews of and technical support for:
 - (for *transportation asset management plans (TAMPs)*);
 - *annual consistency determination*
 - *recertification of TAMPs (due to amendments and/or updates)*
- asset management program, organizational and process reviews;
- asset management organizational and/or technical needs analysis;
- asset management tailored leadership briefings; and
- other forms of customer defined assistance.

Tailored in Person Workshops or Webinars

The Resource Center offers tailored workshops based on the specific needs and issues each customer identifies. Based on the scoping of the challenge, RC specialists work to develop a unique workshop that establishes specific outcomes and objectives.

Tailored asset management workshops are flexible and customer driven. The RC has a wide range of technical training modules and exercises that can be “mixed and matched” based on customer need and interest. Customers also drive the length of each workshop. A key outcome of each workshop is an action plan that customers can use to implement

specific strategies and improved identified during the workshop. Presentations by state, local and regional participants are encouraged and part of the design of each tailored workshop.

In addition to in person workshops, the Resource Center TAF team also provides a number of knowledge transfer activities through a webinar format. These can be high level overviews of a particular asset management topic or a more detailed examination of a technical or program area. These webinar sessions are led by a RC TAF team member and include a mix of training, discussion and web based interactivity. Sessions are generally one to 4 hours in length but can be shorter or longer based on customer need and interest.

Below is a subset of possible technical assistance topics that the RC TAF team offers in the areas of asset management. If you do not see a topic where your organization has a specific challenge or need, please contact Lisa Randall, the team’s Technical Director, to see what additional options might be available.

Tailored in Person Workshops or Virtual Webinars	Description	RC POC
Implementing Asset Management--Basics of Transportation Asset Management Plan	Tailored workshop with resulting action plan or virtual webinar. Length varies. Builds awareness of the basic concepts, methods, approaches and requirements for federal Transportation Asset Management Plans (TAMPs). Highlights aspects of effective TAMPs including visualization and presentation information as well as impacts of leadership, risk management and organizational structure. Reviews lessons learned from the first round of Final TAMPs, case studies and examples for discussion and potential transferability.	Brian Betlyon Christina Leach Vidya Mysore Jocelyn Jones
Implementing Asset Management--Performance Gap Analysis and Life Cycle Planning	Tailored workshop with resulting action plan or virtual webinar. Length varies. Builds awareness of the concepts, methods and approaches for performance gap and life cycle planning and the requirements for these elements in federal TAMPs. Provides key considerations and how these processes provide foundational outputs for TAMP and asset management decisions. Highlights case studies and examples for discussion and potential transferability.	Vidya Mysore Brian Betlyon Eric Pihl
Implementing Asset Management--Investment Strategies and Financial Planning	Tailored workshop with resulting action plan or virtual webinar. Length varies. Builds awareness of concepts and foundational understanding of financial planning and investment strategies. Provides case study examples for how to document financial information in TAMPs and how financial planning information and considerations impacts the prioritization of investment strategies. Reviews approaches to the development of investment strategies and provides example case studies for review and discussion.	Brian Betlyon Jocelyn Jones Vidya Mysore
Implementing Asset Management--Management Systems	Tailored workshop with resulting action plan or virtual webinar. Length varies. Builds awareness of the role of management systems for TAMPs and effective asset management programs. Highlights connections between management systems other TAMP elements. Presents high level information for mid and senior level managers and executives. In-depth technical assistance on pavement and bridge management systems is also available from the RC Pavement & Materials team and the RC Structures team.	Vidya Mysore Specialists from RC Pavements and RC Structures
Implementing Asset Management--Coordination with Other Asset Owners	Tailored workshop with resulting action plan or virtual webinar. Length varies. Builds awareness of and identifies strategies for fostering effective coordination that is based on strong cooperation and, is comprehensive and ongoing between state DOTs, and other owners of the NHS. Owners could include cities, counties, toll authorities, and/or federal agencies.	Christina Leach Jocelyn Jones
Implementing Asset Management--Work Types	Tailored workshop with resulting action plan or virtual webinar. Length varies. Builds awareness of approaches to align state DOT work types with the five Federal work types specified in federal asset management requirements. Highlights how work types affect all other TAMP elements (such as investment strategies, gap analysis etc).	Christina Leach Jocelyn Jones
Implementing Asset Management--Integration of TAMPs with STIPS and other Performance Based Plans	Tailored workshop with resulting action plan or virtual webinar. Length varies. Reviews connections of TAMPs with State Transportation Improvement Programs (STIPS), long range plans and other performance based plans (such as state freight plans and safety plans). Highlights connections between investment strategies, projects and alignment with annual consistency determination. Highlights approaches to foster integration and alignment between various performance based plans and programming decisions.	

Communicating Asset Management to Different Audiences	Tailored workshop with resulting action plan or virtual webinar. Length varies. Builds awareness of how the principles and approaches for transportation performance management and asset management can be communicated to different audiences— from transportation professionals, DOT and MPO leadership to various public and private sector stakeholders.	Christina Leach Jocelyn Jones
Cross Asset Allocation for Asset Management	Tailored workshop with resulting action plan or virtual webinar. Length varies. Builds awareness of approaches, methods and tools for trade off analysis and between goals, measures and targets and cross-asset allocation for program areas. Helps State DOT and MPOs identify specific approaches to improve cross program and cross asset allocation.	Eric Pihl Vidya Mysore
Understanding TPM and Asset Management Connections	Tailored workshop with resulting action plan or virtual webinar. Length varies. Builds awareness of the connections and linkages between transportation performance management and asset management in an agency’s organizational structure and decision-making processes and specific federal requirements. Highlights examples and case studies and identifies specific strategies for enhancement.	Christina Leach Brian Betlyon Jocelyn Jones

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NHI TRAINING

NHI Training Courses

The FHWA National Highway Institute (NHI) offers a variety of *foundational*, in person (instructor led training—ILT), blended (both in person or another format) or web based courses on various asset management topics. These courses are generally fee based. More information on these courses is available at: <https://www.nhi.fhwa.dot.gov/home.aspx>. Customers request NHI courses through the NHI website. Staff from the FHWA Resource Center typically deliver many of the instructor led (ILT) NHI courses.

NHI Course Title	Format	Description
NHI 136106 and 136106A <i>Introduction to Asset Management</i> Course/Workshop	ILT	In person course and ½ day tailored workshop (NHI136106A). Course provides an overview of asset management principles, performance measures, long-term financial planning, and risk assessment. Workshop provides hands-on discussions of applying asset management in practical situations. (Can be delivered without the ½ day workshop with FHWA approval as NHI 136106).
NHI 136106B <i>Developing an Asset Management Plan (TAMP)</i> Course	ILT	Blended Learning. (Online Requirements followed by In Person Workshop (1.5 days)). Provides overview on the three primary components to the TAMP, including strategic performance measurement, risk assessment, and financial management. Also provides templates and guidelines for use in developing a TAMP.
NHI 136106C <i>Introduction to Transportation Asset Management Plan</i> WBT Course	WBT	One Hour Web Based Training. Through a self-paced learning approach, course provides an overview of TAMPs. (WBT is a pre-requisite for NHI 13606B).
NHI 136113 <i>Overview of Transportation Asset Management</i> WBT Course	WBT	Two Hour Web Based Training. Through a self-paced learning approach, course provides an overview of Asset Management.
NHI 136002A <i>Financial Planning for Asset Management</i> Web Based Training (WBT) Course	WBT	One Hour Web Based Training. Through a self-paced learning approach, course provides a high-level overview of terms, background, context, and introductory information for asset management financial plans. It is available through the NHI website.
NHI 136002 <i>Financial Planning for Asset Management</i> Course	ILT	Course provides an overview of asset management principles and background for financial planning topics.