

Asset Management Training Resources

As of June 26, 2013

Name	Resource Type	Duration	Audience	Difficulty Level	Description	Cost	Contact
Transportation Asset Management for Local Agencies (NHI 134088): Effective Transportation Asset Management – An Executive Summary	Instructor-led presentation .	Fifteen to forty-five minutes	Elected officials, managers, and other policy-makers.	Brief. This presentation provides an overall view of asset management principles and benefits.	This presentation is designed to quickly make the case for the use of asset management principles to those in positions to make funding allocations. When enough time is available, a brief allocation workshop demonstrates simple asset management principles.	This course should be instructed by someone familiar with principles of asset management and with data collection and analysis procedures, particularly those within the region in which the course is to be taught.	George Huntington, Wyoming LTAP
Transportation Asset Management for Local Agencies (NHI 134088): The Foundations of Asset Management	Instructor-led presentation , participant's workbook, instructor's guide, and appendices consisting of several local agencies' asset management plans.	Half-day course	Elected officials, local agency engineers, and supervisors.	Moderate. This course will be valuable for anyone looking to gain a general understanding of the principles and benefits of transportation asset management.	This course uses the example of Bob, a county road supervisor, to illustrate the types of issues local road and street supervisors may face. The course alternates between a lecture format and break-outs where participants work within small groups to discuss and address various aspects of asset management processes and procedures.	This course should be instructed by someone familiar with principles of asset management and with data collection and analysis procedures, particularly those within the region in which the course is to be taught. In addition to usual classroom workshop expenses, the participant's workbook should be	George Huntington, Wyoming LTAP and Ted Green, New Jersey LTAP

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						printed and distributed to participants. The appendices could be distributed electronically to save on printing costs since they are largely used as future references for participants.	
Transportation Asset Management for Local Agencies (NHI 134088): Developing an Asset Management Program	Instructor-led course with presentation, participant's workbook, instructor's guide, and appendices consisting of several local agencies' asset management plans.	Half-day course	Local agency engineers, supervisors and administrative staff.	Moderate. This course covers the basic processes an agency should go through when developing an asset management program. It will benefit those at all levels of implementation from management to administrative staff.	This course covers the implementation of basic elements of asset management – inventory development, condition assessment, risk assessment, and prioritization and trade-offs – using workshops to allow small groups to develop solutions followed by discussion of the groups' ideas.	<p>This course should be instructed by someone familiar with principles of asset management and with data collection and analysis procedures, particularly those within the region in which the course is to be taught.</p> <p>In addition to usual classroom workshop expenses, the participant's workbook should be printed and</p>	George Huntington, Wyoming LTAP and Ted Green, New Jersey LTAP

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The two half-day NHI workshops described above have been combined for presentation in a single day, both in a typical classroom situation and remotely via the Transportation Learning Network.	Instructor-led presentation, participants' workbook, and participants' manual.	One-day course	Local agency engineers, supervisors and administrative staff.	Moderate. This course covers the basic processes an agency should go through when developing an asset management program. It will benefit those at all levels of implementation from management to administrative staff.	This course combines examples of issues faced with their asset management solutions. It provides participants with the knowledge and tools to begin the process of implementing asset management principles within their agency. In addition to the materials and break-out workshops in the two NHI half-day workshops, it provides example analyses performed with a spreadsheet to project future conditions based on current and planned expenditures.	This course should be instructed by someone familiar with principles of asset management and with data collection and analysis procedures, particularly those within the region in which the course is to be taught. The workbook and manual are forty pages each – considerably shorter than the original NHI materials, so printing costs should be	George Huntington, Wyoming LTAP

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						relatively small. The appendices – example agency asset management plans could be distributed or posted electronically for reference by participants.	
Various	Asset management programs	NA	Elected officials, local agency engineers, supervisors, and administrative staff.	NA	A number of LTAP Centers, notably New Hampshire, Michigan and Utah, have developed asset management programs.		George Huntington, Wyoming LTAP
TCCC Concrete Pavement Preservation Series (NHI 131126)	Web-based	11 hours	The intended audience for the Concrete Pavement Preservation Web-based Training is quite diverse, and includes design engineers, quality control personnel, contractors, suppliers, technicians, and trades people. While the course is aimed at those who have some familiarity with concrete pavements	Intermediate	This Concrete Pavement Preservation Series presents current guidelines and recommendations for the design, construction, and selection of cost-effective concrete pavement preservation strategies. It concentrates primarily on strategies and methods that are applicable at the project level, and not at the network level, where pavement management activities function and address such	Free	http://tccc.gov/web/course.aspx ; nhicus_tomerservice@dot.gov or 877.558.6873.

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			and pavement preservation, it should also be of value to those that are new to the field. In addition, our target audience could be geographically dispersed, in need of immediate training or information, or not have access to travel funds.		issues as prioritizing and budgeting.		
TCCC Preventative Maintenance and Pavement Preservation Concepts (NHI 131126A)	Web-based	1 hour	The intended audience for the Concrete Pavement Preservation Web-based Training is quite diverse, and includes design engineers, quality control personnel, contractors, suppliers, technicians, and trades people. While the course is aimed at those who have some familiarity with concrete pavements and pavement preservation, it should	Intermediate	The intended audience for the Concrete Pavement Preservation Web-based Training is quite diverse, and includes design engineers, quality control personnel, contractors, suppliers, technicians, and trades people. While the course is aimed at those who have some familiarity with concrete pavements and pavement preservation, it should also be of value to those that are new to the field. In addition, our target audience could be geographically dispersed, in	Free	http://tccc.gov/webcou e.aspx ; nhicustomerservice@dot.gov or 877.558.6873.

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TCCC Transportation Asset Management Overview (NHI 134113)	Web-based	Basic		2 hours	<p>This training explains the basics of asset management and why asset management is important. After you complete this training, you'll have new terms, and new ways of thinking about what you're already doing. More importantly, you'll understand why it's so important to be strategic and systematic when you're responsible for managing huge numbers of assets as your organization is.</p> <p>This training contains the following lessons:</p>	Free	http://tccc.gov/web/course.aspx ; nhicus.tomerservice@dot.gov or 877.558.6873.

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					<p>Lesson 1: What is Transportation Asset Management? This lesson will explain the concept of asset management; give examples of how asset management is used in the planning process; and explain how current asset management practices have been impacted by past transportation needs.</p> <p>Lesson 2: Asset Management Principles and Practices. This lesson lists the categories of activity that inform spending decisions; explain how policy goals and objectives impact asset management; relate planning and programming to managing assets; describe how asset management principles apply to program delivery; explain why system monitoring is necessary; and explain how</p>		

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					quality data and analysis impact asset management.		
Introduction to a Transportation Asset Management Plan (NHI 131106C)	Web-based	1 hour	Senior-level and mid-level managers from State departments of transportation and other transportation agencies, who typically have the responsibility for decision-making in one or more areas addressed by transportation asset management. Participants should represent a number of organizational units, including (but not limited to) planning, engineering (e.g., facility management, design, construction), capital programming, maintenance and operations, financial management, traffic and safety engineering, system operation and management, and	Intermediate	<p>A Transportation Asset Management Plan (TAMP) can be considered a business plan that builds the case for making infrastructure investments and explains how resources will be used. This course, "Introduction to a Transportation Asset Management Plan," is a 1-hour, Web-based training (WBT) that introduces the content and organization of a TAMP and the typical TAMP development process.</p> <p>This training includes the following topics.</p> <ul style="list-style-type: none"> - The use of a TAMP in transportation agencies - The typical content of a TAMP (including a comparison with requirements in MAP-21) 	Free	http://tccc.gov/web/course.aspx ; nhicus_tomerservice@dot.gov or 877.558.6873.

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			information technology. The course is also intended for individuals who manage or provide critical information to senior managers, or who have direct responsibility for meeting specific transportation system performance or program delivery targets.		<ul style="list-style-type: none">- Key components, including performance projections and the financial summary- Examples of TAMPs at various levels of maturity- Existing and anticipated use of a TAMP in state highway agencies- The expected involvement of agency personnel in developing and updating a TAMP <p>This training includes audio clips from leaders in state highway agencies that convey the anticipated benefits from the development of a TAMP and the way they expect to use their TAMP. In addition, the WBT highlights the use of existing documentation to develop the TAMP and plans for enhancing the content of future TAMPs.</p> <p>This training also serves as a</p>		

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					prerequisite for NHI-131106B "Developing a Transportation Asset Management Plan", which describes the role of a TAMP in a transportation agency and explores in some detail three important components: strategic performance management, risk assessment and management, and financial management.		
Transportation Asset Management Today	Web-site				Welcome to The Transportation Asset Management Today website, the knowledge site sponsored by the AASHTO Subcommittee on Transportation Asset Management! Visit the topic areas below and enjoy the experience. Click on any of the topic area names to join a discussion in progress, initiate a new discussion, or check out the reference documents and links. For regular email updates about each topic, fill out the "e-Mail Notification" form accessible above. Once registered, you will receive daily notification of any new reference materials or discussion topics posted in your areas. You also have the option of including your name in the site's growing directory. Webmaster: Scott King, Oregon Department of Transportation,		https://www.transportationresearch.gov/dot/fhwa/TAMT/default.aspx

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Asset Management	Web-site				Michigan DOT web-site with extensive materials available.		https://www.michigan.gov/mdot/0,4616,7-151-9621_15757---.00.html
Transportation Asset Management Training	Web-site				Midwest Regional University Transportation Center web-site with links to numerous training resources		http://www.wistrans.org/mrutc/training-libraries/tam-training/
Asset Management Overview	Web-site				FHWA web-site with links to numerous resources and contacts.		http://www.fhwa.dot.gov/asset/if08008/amo_08.cfm