

NHI Web-based Training National Highway Institute

- ❖ **FHWA-NHI-131110 TCCC Pavement Preservation Treatment Construction**
- ❖ FHWA created the Pavement Preservation Treatment Construction Guide (PPTCG) as a resource for agency and industry pavement preservation practitioners. The guide covers basic pavement preservation concept, as well as information on specific treatments to extend the life of asphalt pavements. This training is designed to provide participants with an introduction to the PPTCG, so that they can better use it to familiarize themselves with general information on pavement preservation concepts and techniques.

- ❖ **FHWA-NHI-135085 Plan of Action (POA) for Scour Critical Bridges**
- ❖ This training provides guidance on developing a Plan of Action (POA) for scour critical bridges. The seminar highlights the history of the POA requirement and recommends management and inspection strategies for POA development. The training introduces the FHWA POA Standard Template and illustrates the use of the POA via a case study of a scour critical bridge in a riverine setting.

- ❖ **FHWA-NHI-137024A Introduction to Systems Engineering**
- ❖ This training is an introduction to systems engineering for ITS project managers and project staff. It provides a high-level view of a broad and rich topic area, introducing basic concepts to individuals who are working on ITS projects. The goal is to allow these individuals to understand the benefits of applying systems engineering approaches as a means of developing quality systems. The training covers technical practices such as modeling, prototyping, trade-off analysis and testing, and management practices such as risk assessment and mitigation, which make up “best practices” in the systems engineering arena. A combination of lecture and classroom exercises, with transportation systems examples, are used to illustrate the basic concepts and to introduce the topics to students.

- ❖ **FHWA-NHI-142052 Introduction to NEPA and Transportation Decisionmaking**
- ❖ This Web-based training is a basic introduction to FHWA’s National Environmental Policy Act (NEPA) transportation decisionmaking process. It provides an overview of the environmental process, including the integration of social, environmental, and economic factors within the framework of existing laws, regulations, policies, and guidance for transportation project decisions. The training covers the requirements of NEPA as implemented by the Council on Environmental Quality, as well as FHWA’s regulations and guidance for NEPA implementation and project decisionmaking.

❖ **FHWA-NHI-151044 Traffic Monitoring and Pavement Design Programs**

- ❖ The goal of this training is to promote interaction and collaboration between traffic monitoring program staff and pavement program staff. The presentation supports implementation of the new Mechanistic Empirical Pavement Design Guide (MEPDG). FHWA's Office of Highway Policy Information, in collaboration with the Design Guide Implementation Team (DIGI Team), created this presentation to help ensure that pavement data needs are met with the existing traffic monitoring program of adjustments to the program.

❖ **FHWA-NHI-151045 Highway Performance Monitoring System: An Introduction**

- ❖ The goal of this training is to promote interaction and collaboration between traffic monitoring program staff and HPMS coordinators. FHWA's Office of Highway Policy Information created this presentation to help ensure that HPMS data needs are met with the existing traffic monitoring program or adjustments to the program.

❖ **FHWA-NHI-310115 Introducing Highway Federal –Aid (FHWA Employee)**

- ❖ Based upon customer feedback, NHI has summarized portions of FHWA-NHI-310109 Federal-Aid 101 into this self-paced Web-based format. We still encourage FHWA employees to take advantage of the opportunity to attend the full, Instructor-lead training; however, for those of you constrained by time or travel money, this Web-based training provides a good short-term option.

The overall goal of this WBT is to provide FHWA employees, particularly mid-career hires, with an overview of the key elements of the Federal-Aid Highway Program. We've also prepared an accessible, 508-compliant version. See FHWA-NHI-310115A for more information.

❖ **FHWA-NHI-380079 AASHTO Roadside Design Guide**

- ❖ This training provides an overview of the AASHTO "Roadside Design Guide". Emphasis is on current highway agency policies and practices. The AASHTO "Roadside Design Guide" is the textbook for this training. Directions on how to obtain a copy of this book can be found on the NHI Web site at <http://www.nhi.fhwa.dot.gov/Home.aspx>