Improving Highway Safety with ITS Training Workshop

This workshop is an abbreviated version of the two-day National Highway Institute course aimed at increasing awareness of the potential to gain highway safety improvements through the deployment of Intelligent Transportation Systems (ITS) technologies. Topics include the safety challenges currently facing transportation engineers and how these challenges can be mitigated using a variety of ITS applications. The workshop includes a work zone case study, the safety applications of IntelliDrive^{SM}, and references to related resources.

Course Objectives:

- Discuss participants' highway safety challenges and triumphs; identify general uses of ITS to improve highway safety; and outline USDOT ITS Initiatives.

- Describe and discuss highway safety priority areas specific to state or local highway/street agencies.

- Demonstrate how ITS can contribute to improved highway safety and traffic operations through a work zone case study.

- Discuss the status of highway safety and the need to continuously improve highway safety. Describe ITS-supported countermeasures that can be employed to address highway safety priority areas identified in your jurisdiction.

- Outline organizational and individual-level actions for future ITS and Safety collaboration at the planning level, and activities to enable these actions.

Participation

The improving Highway Safety with ITS course is designed to assist professionals in both the highway safety and ITS communities. Participants may be planners, operators, designers, emergency management or maintenance personnel. These may be for example, the employees of, or contractors for, State departments of transportation, metropolitan planning organizations, and city and county agencies. The course activities will draw on attendee's experience, expectations, and contributions. Because an underlying objective is to foster cooperation among the Safety and ITS communities, it is beneficial for both be well represented.

Instructors

The instructors for this workshop are Cheryl Lowrance, P.E., PTOE and Rob Maccubbin, PMP. Cheryl is a Principal Transportation Engineer at Noblis in Washington, DC. Ms. Lowrance has 27 years of experience in traffic engineering and transportation management including project management, design and implementation of traffic signals, traffic signal systems, traffic information systems, traffic incident management systems, and freeway surveillance systems. She assisted with the development of this course and has led numerous ITS training courses. Ms. Lowrance has been with Noblis for 6 years.

Rob Maccubbin is a project lead at Noblis in Falls Church, VA. Mr. Maccubbin has 13 years of experience in transportation research, program support and project management. Rob's experience includes ITS impacts assessment, website development, software project management, documentation and training. His research activities have included ITS and highway safety, road weather and commercial vehicle operations, automated enforcement, and parking management. He assisted with the development of this course and has instructed several versions of the course as well as numerous software training sessions. Mr. Maccubbin has been with Noblis for 11 years.