



U. S. Department  
of Transportation



Have all of your agency's technology-based projects been completed on time, on budget, and achieved expectations? If not, you should attend the ...

## Systems Engineering for ITS Workshop

**February 18-19, 2014 at MnDOT Arden Hills Training Center, Minnesota**

The ITS MN, MnDOT and U.S. DOT is pleased to offer this workshop that will help you understand how systems engineering can be applied to *your* ITS project delivery process. The workshop will cover 1) the benefits of using systems engineering, 2) how to satisfy the Federal requirements for systems engineering as documented in Rule 940.11, and 3) how to apply systems engineering to your traditional project delivery processes. A combination of lectures, transportation examples, and exercises will be used to illustrate the basic concepts and introduce the topics. The workshop will culminate with a review that will focus on the useful application of systems engineering in your specific project delivery process.

This two-day workshop includes two parts:

- Systems Engineering Training – Learn about systems engineering, moving from general concepts to the specifics of how systems engineering is being used for actual transportation projects.
- Process Improvement Review – The workshop participants apply what they have learned about systems engineering to their own project delivery process. The existing project delivery process and sample project deliverables are reviewed and discussed. Facilitators and participants will work together to develop a set of process improvement recommendations. Workshop participants will meet on the morning of the last day to discuss and refine preliminary recommendations.

This workshop uses the Systems Engineering for Intelligent Transportation Systems Handbook as a primary reference. The workshop will provide the information you need to apply the general systems engineering guidance from this handbook to your own organization and project delivery process. Following the workshop, the workshop facilitators and FHWA will prepare a report for the participants that document the workshop findings, including positive aspects of the current project delivery process and recommendations for improvement.

### Who Will Benefit from Attending the Workshop?

- Public sector professionals involved in ITS project delivery including project managers and transportation planning, design, construction, operations, and maintenance professionals that participate in ITS project development.
- Private sector consultants under contract to the public sector to support ITS planning and project development.
- No prior background in systems engineering is required.

### For Registration & Details:

Go to  
<http://www.itsmn.org/index.php/event-categories>

For questions, please contact  
Rashmi Brewer at MnDOT OTST-ITS at  
[Rashmi.Brewer@state.mn.us](mailto:Rashmi.Brewer@state.mn.us)

Visit

[www.ops.fhwa.dot.gov/int\\_its\\_deployment/sys\\_eng.htm](http://www.ops.fhwa.dot.gov/int_its_deployment/sys_eng.htm) for a complete list of resources that are available to support systems engineering for ITS projects.

Participants will benefit most if they are knowledgeable about local ITS projects and bring information about their ITS project delivery process, including any documented processes and sample ITS project deliverables.

Workshop Cost:

- \$60 per person
- Includes workshop materials, continental breakfast & lunch