



COURSE NUMBER

FHWA-NHI-130109B

COURSE TITLE

Performance-Based Management of Highway Bridges

The traditional approach to bridge management has focused on identifying the worst performing structures in the inventory and addressing their deficiencies before anything else. But as inventories expand and age and as budgets shrink, most agencies discover that even as they address the worst bridges in the inventory, other bridges that could have been saved through preservation activities slip into deficiency. Today, the public expects transportation agencies to adopt a performance-based management approach that will achieve the highest level of performance possible and make the most effective use of available funds. The Performance-based Management of Bridges course uses video-based testimonies from transportation professionals to illustrate the ways in which their agencies have used performance-based management to estimate the cost-effectiveness of decisions and assess risk.

OUTCOMES

Upon completion of the course, participants will be able to:

- Describe how a bridge management system supports a performance-based bridge program.
- Identify framework for a performance-based management business model;
- Describe the development of performance measures;
- Describe methods for determining cost-effectiveness of actions;
- Describe considerations when assessing risk; and
- Describe strategies for communicating and reporting highway bridge performance-based management actions and results to other agency stakeholders and the public

TARGET AUDIENCE

The target audience includes Federal, State, and local bridge program managers; bridge management engineers; bridge management practitioners; transportation planners; and project planning and programming personnel. Additionally, transportation performance management team members, transportation asset management team members, bridge preservation and maintenance engineers, the financial management team, bridge inspectors, and bridge designers may benefit from this training. All participants should have knowledge of basic bridge terminology.

TRAINING LEVEL: Basic

FEE: 2016: \$50 Per Person; 2017: N/A

LENGTH: 4 HOURS (CEU: .4 UNITS)

CLASS SIZE: MINIMUM: 0; MAXIMUM: 0

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