



Delivery of Accelerated Bridge Construction FHWA/WSDOT Workshop

September 30, 2008
Olympia, Washington

Workshop Description

This one-day Accelerated Bridge Construction (ABC) workshop is sponsored by the Federal Highway Administration in cooperation with the Washington State Department of Transportation. The workshop will provide the latest information and demonstrate technologies to deliver bridge construction projects in weeks, rather than months, to reduce congestion, improve safety and increase the quality of highway bridges.

Why Attend?

The Washington State DOT is interested in adopting new technologies and practices to deliver highway bridge construction projects that significantly reduce the impacts on the traveling public and generate cost savings. ABC technologies and Prefabricated Bridge Elements (PFBEs) are being used across the nation to reduce traffic congestion, increase work zone safety, and provide longer-lasting and more durable bridges with the focus to "Get in, get out, and stay out". The Washington State DOT is offering this workshop to showcase these innovative technologies to State, local agency, and industry transportation specialists and decision-makers to increase utilization of these technologies and reduce or eliminate work zone traffic delays and increase highway safety on new and replacement bridge projects.

The workshop will provide information on the tools and techniques that are currently available for engineers and project planners to implement ABC and PFBE technologies, showcase successful ABC projects from across the nation, illustrate frameworks and procedures that can be used to deploy ABC technologies, and include a panel discussions with input from DOT, consultant, contractor and fabricator professionals highlighting their viewpoints on the need to build projects better and faster. The workshop will be of primary value to State and local agency bridge-owners, State, and consultant highway bridge design engineers, and bridge construction contractors and fabricators.

Professional Development Hours

Each participant will receive a certificate from FHWA awarding 6.0 PDHs (0.6 CEUs) for attendance at the workshop.



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Workshop Location

Comfort Inn Conference Center
1620 74th Avenue SW
Tumwater, WA 98501

Workshop Agenda

Moderator: Jugesh Kapur, WSDOT State Bridge Engineer

- 7:30 am Registration
- 8:00 am Welcome and Introductions – WSDOT and FHWA
- 8:30 am FHWA Initiative to Mainstream ABC/PFBES Technology – Myint Lwin, FHWA Director of Bridge Technology
- 9:00 am Framework for Selecting ABC Projects – Mary Lou Ralls, Ralls Newman, LLC
- 9:30 am Connection Details Manual for PFBES and Systems – [Andy Benkert](#), CME Associates
- 10:00 am **BREAK**
- 10:30 am Utah DOT Successes with ABC Implementation – Utah DOT
- 11:00 am Schematic Design of an Accelerated Bridge Project - [Andy Benkert](#), CME Associates
- 11:30 am Cost Comparison Between Conventional Bridge Construction and ABC – Mary Lou Ralls, Ralls Newman, LLC
- 12:00 noon **LUNCH (Lunch provided)**
Luncheon Presentation: A Contractor's Perspective on ABC - William Duguay, J.D. Abrams, Inc.
- 1:00 pm Rolling Bridge to Eliminate Traffic Impacts, Washington State's 8th Street Bridge – Ron Ohlsen, HDR Engineering, Inc.
- 1:30 pm Connection Details for PFBES and Systems for Seismic Forces – Ray Wolfe, California DOT
- 2:00 pm **BREAK**
- DOT and Industry Panel Discussion: Viewpoints for Implementing ABC (Moderator: Mary Lou Ralls-Newman)
- Western State Chief Bridge Engineers: AK, CA, OR and WA
 - WSDOT Bridge Construction Engineer
 - Scott Ayers, Graham Construction
 - Doug Smith, Mowat Construction
 - David Goodyear, T.Y. Lin International
 - John Stanton, University of Washington
- 2:30 pm
- 4:00 pm Audience Discussion and Closing Remarks - WSDOT
- 4:15 pm Next Step: Myint Lwin, FHWA and Jugesh Kapur, WSDOT
- 4:30 pm Adjourn



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Registration

The workshop is free of charge to those attending, but is offered on a 'reservation-only' basis and limited to seating availability. Please submit the following information to Bijan Khaleghi at khalegb@wsdot.wa.gov to reserve your seat. **Reservation requests must be received by September 15, 2008.**

Name of Attendee: _____

Organization: _____

Office Address: _____

Phone: _____

E-mail Address: _____

Lunch: Yes () No ()