



**Washington State
Department of Transportation**



2008 WSDOT/ACEC Structures Team Status Report

Dick Stoddard

Mark Johnson

June 3, 2008



Highlights

- Met monthly, alternating locations
- Several new members
- New topics considered this year
- Invited guest participants and industry experts
- Developed new charter
- Expanded website



ACEC Structures

- [Structures Home](#)
- [Archived Minutes](#)
- [Meeting Schedule](#)
- [Completed Issues](#)
- [Customer, Supplier, Stakeholder Survey](#)

WSDOT Bridge

- [Bridge Home](#)
- [Bridge Design Manual](#)
- [Engineering Software](#)
- [Employment](#)
- [Contact Us](#)

More Helpful Links

- [ACEC of Washington](#)
- [WSDOT/ACEC Project Development Team](#)
- [WSDOT Construction Industry Teams](#)

ACEC Structures Sub-Committee

The WSDOT/ACEC Structures Sub-Committee was created by the Washington State Department of Transportation (WSDOT) and the American Council of Engineering Companies of Washington (ACEC) to provide a forum for addressing issues of common interest related to bridge design and to make recommendations for process improvements.

Please visit the [WSDOT/ACEC Project Development Team](#) website to view project delivery issues.

- [Current Meeting Schedule](#)
- [Customer, Supplier, Stakeholder Survey](#)
- [Archived Meeting Minutes](#)

Charter and Membership

- [Current Members\(pdf 25k\)](#)
- [Team Charter-September 2006 \(pdf 41K\)](#)

Issues

- [2007 Issues\(pdf 12k\)](#)
- [Issues Table 2006\(pdf 10k\)](#)
- [Completed Issues](#)

Presentations

- [Presentation About the Team- November 2003\(pdf 75k\)](#)
- [Presentation: Team Progress & Sharing Lesson Learned Database-May 2004\(pdf 2536k\)](#)
- [Presentation: Capturing and Sharing Lesson Learned-April 2004\(pdf 73k\)](#)

Status Report

- [March 2007\(pdf 34k\)](#)
- [June 2006\(pdf 32k\)](#)

Project Delivery Expectations

- [Bridge Design Expectations Matrix](#)
- [Project Deliverable Expectations Matrix](#)



Structures Team – 2008

- Dick Stoddard – SE
Bridge Design Office
- Ron Lewis – PE
Bridge Design Office
- Geoff Swett – SE
Bridge Design Office
- Eric Schultz – PE
Bridge Design Office
- Jesse Beaver – PE
HQ - Bridge Construction
- Mike Grigware – PE
HQ – Design Office
- John Lefotu - PE
NW Region
- Mark Johnson – PE
CH2M Hill
- Steve Aisaka – SE
Parametrix
- David Goodyear – SE
T.Y. Lin International
- Jim Schettler - SE
Jacobs Engineering
- Paul Bott - SE
HDR
- Yuhe Yang - SE
Parsons Brinkerhoff
- Rich Johnson - SE
HNTB



2008 Issues

- Design-Build
- New Seismic Design Code
- Follow-up on Past Recommendations

“...to provide a forum for addressing issues of common interest related to bridge design and to make recommendations for process improvements.”



Design Build Issues

- **Standard Specifications**
Role of “Engineer” in Specifications
- **Bridge Design Manual**
Mandatory vs. Optional Criteria
- **Co-Location**
- **Revising Construction Documents**



Seismic Design Issues

- 1000 Year Design Event
- Increased Liquefaction – effects on widening of existing structures
- Displacement Design Criteria
- WSDOT Deviations from AASHTO Guide Specification



Are We Effective?

- Capturing Lessons Learned - Bridge Construction De-Briefing Session
- Expectations for Design Reviews for Projects with Structures
- Determination of Bridge Project Environmental Requirements



Environmental Proposals

1. Use a performance-based environmental approval system
2. Use WSDOT standard specifications in environmental documents and permits
3. Document and track environmentally-related structural design decisions
4. Monitor and influence potential changes to environmental/permitting rules and regulations at the local level
5. Provide Cross Training to Environmental and Engineering Design Staff



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Structures Team - Goals

- Resolve Design Build Issues for Structural Engineers – EOR and BDM
- Maintain Communications with the WSDOT D/B Policy Team
- Establish Cross Communications with the PDE Team - Look for Common Topics
- Support Implementation of Past Proposals



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Structures Team – Mission



•Keep Talking