

May 21, 2010 Meeting

**WSDOT Bridge and Structures Office
Tumwater, WA**

Attendees:

WSDOT

Geoff Swett
Eric Schultz
Jesse Beaver
Scott Sargent
Jeri Bernstein

ACEC

Mark Johnson (CH2M HILL)
Paul Bott (HDR)
Yuhe Yang (PB)
~~David Goodyear (TY Lin)~~
Jim Schettler (Jacobs)
~~Jake Menard (DEA)~~
Bill Elkey (Parsons)
Richard Patterson (AECOM)

Guests

~~Bijan Khaleghi~~

Agenda:

1. Introduction of new members
2. Review Meeting Minutes & Action items
3. Review Team Charter
4. Update on BDM Revisions
5. Brainstorm of topics for 2010....

9:00 am		<ul style="list-style-type: none">• Review Minutes of Previous Meeting• Review Action Items
<u>Action Items from Previous Meeting:</u>		
<ol style="list-style-type: none">1. Contact candidates for ACEC membership and notify about the selections (Mark) <i>Completed. New members Bill Elkey and Richard Patterson attended. Jake Menard will be attending the next meeting.</i>2. Confirm date of May meeting to be held in Tumwater (Mark) <i>Done.</i>3. Finish edits to BDM Section 7.2.6 and send to the team for final review (Geoff) <i>Completed. Comments received from various members and incorporated.</i>		

9:30 am to 11:00 am		Introduction of New Members
<p>The group welcomed the new members, Bill Elkey and Richard Patterson, to the team. Jake Menard, also a new member, was unable to attend (home with a new baby daughter – congrats!) and will plan to attend the next meeting. Each member introduced themselves and gave a brief bio.</p> <p>The current team members spent the next hour updating Bill and Richard on the history of the ACEC/WSDOT structures team, the work that has been performed in the past and the items the team has worked on over the last year. The team has primarily focused on updating the BDM to better align with Design-Build contracts.</p>		
11:00 am to 11:30		Open Discussion
<p>Discussion Topics:</p> <p>Stamping of Bridge Plans and Design Calculations</p> <p>The team discussed the issue of signing plans and calculations. The current policy with WSDOT is that calculations do not get stamped and signed. Some members noted that when they submit calculations for Design-Build and on-call type work, they stamp and sign the cover sheets. WSDOT’s plan process is to have a minimum of 1 SE stamp on every sheet and typically two stamps per sheet; 1 for the designer and 1 for the supervisor. If the designer is not licensed, the stamps default to the supervisor and Bridge Design Engineer. There was discussion on how to handle multiple stamps when more than one designer or discipline works on a sheet. In most cases both disciplines stamp and sign the sheets and there is some notation on the plans as to who is responsible for what. WSDOT has tried to follow the process of producing separate sheets; for example wall designs where some design is performed in the Bridge Office and some in the Geotechnical Branch. Each office is producing their own sheets. This issue is closed.</p> <p>Issues List from I-405 Design Build Project</p> <p>The team did not have time to review the issues list from the I-405 design-build program. The issues list will be emailed to the entire team and will be added to the list of potential topics to work on this year.</p> <p>WSDOT BDM Update</p> <p>Geoff gave an update of the BDM revisions. All of the BDM revisions were submitted on April 30th to the printing office who will be taking the month of May to incorporate all the edits. Updates to the BDM should be available in June/July timeframe.</p>		
11:30-12:00 pm		New Topics
<p>New Topics</p> <p>The team brainstormed new topics to consider over the next several months or year. The plan is to discuss and narrow down the list at the next meeting and then select the first topic to work on. The list is as follows and is in no particular order:</p>		

<ol style="list-style-type: none"> 1. I405 Design Build Issues - review and make recommendations for changes to the BDM based on issues encountered during the I405 contracts. 2. Shaft Anomalies – review current practice for dealing with shaft anomalies during construction. Make recommendations to BDM or ADSC/WSDOT Structures team 3. DFSAP vs. Lpile – review study performed by WSDOT and consider expanding the study with a goal of making recommendations to the BDM. 4. BDM ABC Chapter – review and comment on the draft Accelerated Bridge Construction chapter that Bijan has prepared based on UW research and a recent NCHRP study. 5. EQ Restrainers – review current WSDOT policy, example design procedure in the BDM and current AASHTO Guide Spec requirements. Make recommendations as needed to procedures and policies. 6. SR 519 Design Build Issues List – review and make recommendations to the BDM as required. 7. Standard Bridge Plans on WSDOT Web – issues with file conversions between WSDOT MicroGDS software and other drafting programs – make recommendations as required. 8. Steel Design for Seismic – review AASHTO Guide Spec and WSDOT BDM policies on design of ductile members for steel bridges. 9. Essential Bridge – SR520 may be designated as an essential bridge for the design-build project. Review RFP related to this designation 10. BDM Chapter for Segmental Bridges – WSDOT plans to develop a BDM chapter to supplement AASHTO criteria. Review and comment when available. 11. New Products/Procedures for Out of State/Country Practices – consider reviewing products, design and or construction procedures that may be used by other states or countries and make recommendations to WSDOT for possible incorporation into WSDOT practice. 12. Seismic Design Example Problem – WSDOT is developing a comprehensive seismic design example for displacement based design following the AASHTO Guide Spec – review and comment when available. 13. Seismic Design and Foundation Springs – review current WSDOT methods and make recommendations for simplification, if possible, while still meeting the displacement demand design requirements of the AASHTO Guide Specifications. 		
12:00 – 12:15 pm		Schedule Future Meetings
<p>Future meetings were scheduled and are listed below. The team agreed to meet in June and take a break over the summer – no meetings in July and August.</p> <p>Next meetings: June 11th – Jacob’s Office Sept 10th – WSDOT Bridge Office Oct 15th – AECOM’s Office Nov. 19th – WSDOT Bridge Office</p>		
12:15 pm		Adjourn

Action Items:

1. Send out meeting invites to all members for upcoming meetings. (Geoff)
2. Send out draft BDM Chapter on Accelerated Bridge Construction (ABC) (Geoff)
3. Send out I405 Design-Build contracts “Issues List” (Geoff)
4. Invite John Stanton to speak at our October 15th meeting regarding ABC at AECOM in Bellevue (Geoff)
5. Develop a summary of issues related to steel bridge x-bracing and seismic design (Yuhe)
6. Update Website (Geoff)