**WSDOT/ACEC Structures/Geotechnical Team**

**MEETING AGENDA**

**March 19, 2021 -- 10:00 AM - 12:00 PM**

**MS Teams Meeting**

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| WSDOT | Mark Gaines, PE | WSDOT – Bridge Design (co-chair) | x |
| Tony Allen, PE | WSDOT – Geotechnical Office | x |
| Jeri Bernstein, PE/SE | Washington State Ferries | x |
| Chris Feely, PE | WSDOT – Bridge Design | x |
| Andrew Fiske, PE | WSDOT – Geotechnical Office | x |
| Patrick Glassford, PE | WSDOT - HQ Construction Office | x |
| Bijan Khaleghi, PE/SE | WSDOT - Bridge Design | x |
| Nick Rodda, PE/SE | WSDOT - Bridge Design | x |
| Michael Rosa, PE/SE | WSDOT - Bridge Design | x |
| Craig Boone, PE/SE | WSDOT - Bridge Design | x |
| ACEC | Matthew Lengyel, PE/SE | FIGG Bridge Engineers (co-chair) | x |
| Lee Andrews, PE/SE | HDR | x |
| Matt Barber, PE | WSP | x |
| Matt Baughman, PE, SE | COWI | x |
| Stan Boyle, PE | Shannon & Wilson | x |
| Brice Exley, PE | Hart Crowser | x |
| Eric Herzstein, PE/SE | Parsons | x |
| Reza Sehhati, PE | Stantec | x |
| Joan Zhong-Brisbois, PE/SE | CDM Smith | x |

1. **Review meeting agenda –** All

1. **Review January 2021 meeting minutes –** All
   * Confirmed Tony and Patrick were in attendance at the last meeting
   * No additional comments
   * Mark will publish next week **ACTION: Mark**

1. **WSDOT COVID-19 Update (5 minutes) –** Mark
   * Shared WSDOT Situation Report #63
   * BPO inspectors are now eligible for vaccine
   * Review of current traffic impacts, travel appears to be trending up.
   * Question if traffic counts are bases on ADT or are they take during peak hour times? Peak hour counts may be more meaningful.
     + Matt L. observed that Texas peak hours are down from normal and capacity improvement projects are being delayed.
   * Jeri B - what is essential travel? Essential travel only still seems to be the message from the media but may not be the reality.
   * WSDOT is working on post COVID return to work plan. July 1 is return date, but much planning is needed to provide the accommodations for a remote work office environment.
     + Consultants plans range from cubicle arrangements and skipping cubicles, remoting into more powerful PCs from home. These are similar issues that WSDOT is facing, though they may have more flexibility with lease agreements.
     + WSF is eliminating offices and consolidating spaces - drop in cubicles, more powerful laptops for remote working.
     + Building leases are impacting plans to accommodate staff arrangements and teleworking plans.

1. **WSDOT Budget Update (10 minutes)** – Mark
   * WSDOT is expecting Legislative budget in a week or two.
   * Preservation seems to be a focus by the legislature and WSDOT Transportation Secretary Roger Millar.
   * WSDOT Bridge is expecting more consultant delivered project in the future.

1. **ACEC/WSDOT Lead Team meeting summary (5 minutes)** – Mark/Matt
   * Scheduled for June 16 and 17 - half day sessions (8:30-noon)
   * Planning breakout sessions and multiple presentations for participants to choose from.

1. **Developing Standard Plans for Buried Bridges (15 minutes)** – Craig Boone
   * Consultant contract coming soon to develop standard plan buried structures and wing walls
     + 3 standard plan sets that will be (1) split box structure, (2) precast wingwalls and (3) fall protection.
   * Two phased approach
     + Analysis - looking at the range of applicability and parameter evaluation, member sizes and reinforcement. Recommendations of increments for spans, wall heights, fill depths.
       1. Currently 10’, 15’ and 20’ height increments are currently planned
       2. Seismic analysis will include racking analysis, and could include new stress-strain analysis. Displacement capacities may ultimately be put on the standard plans.
     + Design - finalize the designs and prepare the standard plan details: details, notes
     + FEM analysis required
     + BDM design requirements are the guiding policy
     + Seismic analysis only for spans 20ft and greater - identified 12 cases for evaluation, determine what set of parameters can be controlled by seismic design
   * Asking for comments on the scope within the next 2 weeks. **ACTION: ALL**
   * It was noted that tribes and fish & wildlife often do not want boxes with bottoms for fish passages
   * Goal is to have the standard plans available for the 2022 construction season

**Break 11:25 - 11:30am**

1. **Update on combining DB RFP 2.13 and BDM Chapter 15 (10 minutes)** – Michael Rosa

* This process it taking longer and the target for the July 20210 template update may not be achievable.
* Suggest continuing the effort as time allows and revisit the target date after more edits are made.
* Documents are available on the HDR Team set up by Lee Andrews. Please add your name to the section you are reviewing and provide the status.
* Lee Andrews - Chapter 15 (particularly seismic) vs main BDM language. What needs to go into 2.13?
* Michael R. - first focus on moving content to 2.13, then a second effort will focus on BDM requirements and RFP language. Will need to determine what can be referred back to the BDM and clarify the language to DB friendly.
* Challenge with overloading 2.13 with language already stated in the main BDM chapters
* Michael R - referenced current BDM language in Chapter 1 that makes Chapters 1-14 reference documents. Section referenced to by Chapter 15 and RFP are mandatory.
* Question: Can the BMD be a mandatory manual? or should it be a reference document?

1. **Other items**
   * Best practices for employees and managers when working remotely (30 minutes) – Info from Mark, discussion by all (should we move forward on this item?)
     + Mark suggesting 1 hour meeting April 16 to address onboarding and mentoring in a remote work environment. No objections from the group. Mark will schedule a meeting for this topic ACTION: Mark
     + Switch from managing people to managing tasks
     + Communication is key in teleworking environment

**Ran out of time for the following agenda items:**

1. Service life design update (10 minutes) – Bijan
2. Updating WSDOT specifications for the AIT Composite Arch (5 minutes) -- Mark
3. Use of galvanized metal plate structures for fish passage (5 minutes) – Mark
4. Buried Structures Policy Development Research (5 minutes) – Mark/Joan
5. Other items – All
6. WSDOT's Seismic Retrofitting Program
7. Upcoming seismic work
8. Fish Passage Technical Resolution Team

**Adjourn 12:00pm**

**Future meetings:**

* April 16 - 1 hr supplemental discussion,
* May 21 – regular meeting