

**WSDOT/ACEC Structures/Geotechnical Team**

MEETING MINUTES

September 16, 2022 -- 9:00 AM – 12:00 PM

MS Teams Meeting

WSDOT	Bijan Khaleghi, PE/SE	WSDOT – Bridge Design (co-chair)	x
	Evan Grimm, PE/SE	WSDOT – Bridge Design	x
	Michael Rosa, PE/SE	WSDOT – Bridge Design	
	Katie Olleman, PE (in-process)	WSDOT - Bridge Design	x
	Doug Olson, PE	WSDOT – Bridge Design	x
	Richard Brice, PE	WSDOT – Bridge Design	x
	Scott Sargent, PE	WSDOT - HQ Construction Office	
	Jeri Bernstein, PE/SE	Washington State Ferries	x
	Julie Heilman, PE	WSDOT – Hydraulic Office	x
	Andrew Fiske, PE	WSDOT – Geotechnical Office	x
ACEC	Joan Zhong-Brisbois, PE/SE	Jacobs (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	
	Brice Exley, PE	Hart Crowser	
	Eric Herzstein, PE/SE	Parsons	x
	Yang Jiang, PE/SE	HNTB	x
	Scott Phelan, PE/SE	Conсор	x
	Reza Sehhati, PE	Conсор	x

**1. Welcome back, team! (15 minutes) – All**

Bijan updated the changes of WSDOT members. Evan Grimm, Julie Heilman, Richard Brice attended as new members. Joan reported that ACEC roster remains unchanged. The changes with firm affiliation have been incorporated to the attendee’s list.

The group conducted a brief self-introduction, shared their summer highlights and the hopes/dreams for the year of 2022-2023.

**2. Review meeting agenda (5 minutes) – All**

No addition item proposed to the meeting agenda.

3. Review minutes from May 13 meeting (5 minutes) – All

No edits for May 2022 draft meeting minutes.

**ACTION:** Bijan to have May 2022 minutes posted

4. Office Work Update (15 minutes) – Bijan/All

- a. WSDOT Situation Report
- b. Bridge Office staffing
- c. Return to the office
- d. Travel/conferences – PCI, ASBI, ABC-UTC, TRB
- e. Future ACEC/WSDOT Structures & Geotech meetings

There are no objections to the proposed meetings on Fridays November 18, 2022, January 20, 2023, March 17, 2023, and May 19, 2023. The meeting format will be online via Teams from 9:00am to noon.

**ACTION:** Bijan to send meeting invites for the 2022-2023.

5. Model-based project delivery using 3D modeling (30 minutes) – Richard Brice

Rick presented to the group on the follows,

- Introduction of model-based project delivery
- WSDOT internal efforts so-far and what remains to be accomplished
- National BIM Roadmap
- OpenBIM standards and benefits
- AASHTO established IFC as national standard
- IFC development
- Transportation Polled Fund
- BIM Roadmap and its outcomes of model-based project delivery

6. Climate Impacts to Water Crossings (30 minutes) - Julie Heilman

Julie presented to the group on the follows,

- Introduction of climate resilience
- Why should climate resilience and vulnerability be considered in water crossing design
- Design goals and the scope of statewide projects in WA
- Key players, geographic area, timeline, and current status of the US vs WA Culvert Case
- Key steps of Design for Resiliency: design methodology, hydraulic modeling, evaluate stream, climate projections
- We can't design for everything ... except Resiliency!

## 7. Draft 2022-2023 work plan (15 minutes) - Joan/All

With the experience and talents this group possess, we are looking to align our 2022-2023 work plan with WSDOT strategic plan, facilitating best practice bringing efficiency in project delivery. Some brainstormed ideas for future meetings include,

- BDM update on seismic risk map and approach (Bijan to provide)
- Long-span bridge project highlight (Yang to present on ST project)
- Status update on consolidating BDM Chapter 15 and RFP (Michael Rosa to present)
- How will two-level seismic design impact the wall design (Bijan to present)
- Grade separation traffic Barrier (TBD)
- Update on scour design (TBD)
- WSDOT Strategic Plan impact on seismic lifeline (Evan to present)
- Ferry project highlight (Jeri)
- Spokane bridge project update (Doug)

For additional ideas or project highlights, the group were encouraged to please reach out to Joan and Bijan. Bijan suggested to include general audience an opportunity to listen in some of the presentations. This helps the information exchange among an interagency, inter-disciplinary audience. Additional suggestions include multiple shorter online sessions, or in-person longer session.

### **ACTIONS:**

- a. Co-chairs (Bijan and Joan) will finalize future meeting agenda and format
- b. Bijan to send four meeting invites (Nov, Jan, Mar, May) to the group for 2022-2023

## 8. Updates on NCHRP Project ABC Training in May 2022, BDM Webinar in July 2022 (20 minutes), Seismic Training-August 2022– Bijan/All

Bijan provided update on these sessions and will distribute relevant materials to the group

## 9. Meeting adjourned at 11:45am

### **Future meetings:**

November 18, 2022

January 20, 2023

March 17, 2023

May 19, 2023