

WSDOT/ACEC Structures/Geotechnical Team

MEETING Minutes

January 20, 2023 -- 9:00 AM – 12:00 PM

MS Teams Meeting

	Name	Organization	Present
WSDOT	Evan Grimm, PE/SE	WSDOT – Bridge Design (co-chair)	x
	Katie Olleman, PE	WSDOT - Bridge Design	
	Doug Olson, PE	WSDOT – Bridge Design	x
	Richard Brice, PE	WSDOT – Bridge Design	x
	Scott Sargent, PE	WSDOT – Bridge Design	
	Roman Peralta, PE (visiting)	WSDOT – Bridge Design	x
	Michael Rosa, PE/SE (visiting)	WSDOT – Bridge Design	x
	Patrick O'Neill, PE (visiting)	WSDOT – Bridge Design	x
	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	
	Matt Barber, PE	WSP	x
	Matt Baughman, PE/SE	COWI	x
	Stan Boyle, PE	Shannon & Wilson	
	Brice Exley, PE	Hart Crowser	x
	Eric Herzstein, PE/SE	Parsons	x
	Yang Jiang, PE/SE	HNTB	
	Scott Phelan, PE/SE	Conсор	x
	Reza Sehhati, PE	Conсор	x

1. 9:00 am - Review meeting agenda (5 minutes) All
 No addition or deletion is proposed.
 Item #9 to postpone to March meeting.

2. 9:05 am - Review minutes from December 02 meeting (5 minutes) All
 Draft minutes are approved.

3. 9:10 am – New approaches in design that impact the project outcome
 Michael discussed the Coming Changes to Bridge Design Policy
 (Attachment 1). The changes include,
 - Contractor designed buried structures submittals

- Specifications related to sweep and camber verification
- Standard plans of buried structures
- RFP 2.13 to resolve inconsistency with BDM
- BDM update anticipated in June 2023

4. 9:20 am - Bridge Office Update

Evan briefed the group the follows,

- Amy Leland has been appointed to the position of State Bridge Design Engineer
- Design/construction challenge due to scour and stream migration
- Bridge Office will continue to partner with consultants to mitigate the shortage in experienced designers
- Governor's budget related to fish passages and bridge preservation for the new biennium
- Recently appointed Bridge Preservation Engineer Roman Peralta who reports to Evan
- FHWA requirement of load posting sign (the 30-day deadline)
- Challenges in bridge preservation, for example, WA has 530 bridges in 'poor' condition — and limited repair money | Crosscut
- Recent progress in bridge asset prioritization and optimization, and next steps in steel bridge painting and scour program

5. 9:40 am - WSDOT Strategic Plan impact on seismic lifeline

Evan introduced the strategic plan of WSDOT [Strategic Plan | WSDOT \(wa.gov\)](#) and highlighted its mission "...provide safe, reliable and cost-effective transportation options to improve communities and economic vitality for people and businesses". The Seismic Lifeline Routes (Attachment 2) from WSDOT Bridge Seismic Retrofit Program is part of seismic resilience. Rick Brice also shared a recent [link](#) of Secretary Millar presentation to WA House Transportation committee. Evan shared main discussion points by a seismic lifeline subcommittee in WSDOT such as best practice by states of OR and CA; expanding lifeline coverage from structures to roadway, from WSDOT to also locals, from routes to corridors; partnering with research institutes and lessons learned from

other countries Japan and Chili. One of the goals of this subcommittee is to recommend comprehensive policies and programs for funding and implementation.

10:10 am – 10:20 am Break

6. 10:20 am - Project highlight: Federal Way Link Extension Design Build (40 minutes)

Eric presented to the group the first design build project by ST. Federal Way Light Rail Extension features a 7.8-mile extension of light rail service south from the existing Angle Lake Station to the Federal Way Transit Center. Eric shared the design concepts that benefited ST and general public through innovations that allow prefabricated standard girders and CIP deck, at-grade embankments, retained fill station, shorter guideway, less escalator, and more ADA accessible ramps. The presentation is very well received.

7. 10:50 am - Grade separation traffic Barrier (15 minutes)

Patrick discussed differential grade barriers and crash barrier walls, addressed questions from the group. Recent bridge design memo revised BDM Section 10.3.1 and 10.3.1A.

8. 11:15 am - NBIS new requirement implementation update: (10 min)

Roman provided an update on NBIS Implementation. Key points include,

- June 6, 2022 National Bridge Inspection Standards (NBIS) and New Coding Guide (SNBI)
- Update and Implement by 2028 for inspection manual, inspection software, local programs, and in-depth review
- Annual training of FHWA/WSDOT/Local Agencies/Consultants to implement new fields, policies, and procedures

9. Question of the Month (10 minutes)

Suggested move this agenda item to next meeting due to time constraints.

10. 11:30 am - Topics for future meetings in March and May 2022 (10 minutes)

All

Joan called for Project Highlight to be featured in the May meeting, also Question of the Month. It is a great venue for promoting innovation in design and sharing best practice, eventually benefiting the stakeholders and the industry. Thanks to Matt Baughman and Rick Brice for their commitment to present in the March meeting.

11. Adjourn around 11:40am.

Future meeting dates:

March 17, 2023

May 19, 2023

Attachment 1 Coming Changes to Bridge Design Policy

Attachment 2 Seismic Lifeline Routes