

# Hood River Bridge Replacement

## Engineering Consultant Procurement Update

April 14, 2021 Bi-State Working Group Meeting



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# Definitions

- ***A&E Consultant***: architecture and engineering design team to be procured in this design stage
- ***Preliminary engineering***: studies, analysis and early design to achieve ~15% design
- ***Design Acceptance Package (DAP)***: “Proof of concept” ~30% design package for approvals
- ***Advanced Design***: post-DAP design up through final design and construction drawings
- ***Request for Proposals (RFP)***: procurement process for the A&E consultant

# Related Definitions

- ***Owner's Representative***: technical advising team working with Port/ Project in major project activities, consultations & program management
- ***Design-Bid-Build (DBB)***: traditional process, A&E produces design, bid process, hire contractor
- ***Design/Build (D/B)***: Combined design & contractor takes DAP design to implementation
- ***Construction Manager/General Contractor (CM/GC)***: contractor hired before design is complete, provides constructability reviews, leads construction management efforts to deliver project
- ***Public-Private Partnership (P3)***: joint venture between public project "Owner" and private entity financier to deliver project with pay-back mechanism.

# Current A&E 2021 Procurement Schedule

- Draft RFP for review: Late Spring
- Finalize RFP package: Early Summer
- Advertise RFP/ Proposals July/ August
- Interviews/Selection Aug/Sept.
- Commission approval October
- Start A&E Work: November
- Approximate timeline to DAP: 8-12 months

*May need to be moved back 1-2 months due to BUILD grant authorization schedule*

# Geotechnical Borings

- \$730K contract amendment, funded with BUILD grant
- Schedule affected by BUILD authorization timeline
- Produces geological/subsurface data report
- Could include bridge foundation recommendations
- Data and recommendations to be made available as part of RFP
- 8-9 month timeline, beginning to final recommendations

# Geotechnical Borings - Options

- Options being considered to minimize schedule impact:
  - *Continue with WSP team on current course, delays RFP schedule by 4-5 months*
  - *Move all borings/testing/recommendations work to A&E consultant, keep current RFP schedule*
  - *Keep sampling/testing with current team, move data analysis and design recommendations to A&E consultant\**

*\* Current recommendation, least impact on overall schedule.*

# A&E Consultant Scope

- Project Design:
  - *Preliminary/Design Acceptance Package (15-30%)*
  - *Advanced and Final Design (60%, 90-100% PS&E)*
  - *Construction support services*
- Includes: bridge/structural, civil, utilities, foundations, impact mitigation projects, cost estimates
- Special studies
  - *Bridge aesthetics/architectural: Columbia Gorge Commission*
  - *Fisheries/tribal sites: Columbia River tribes*
  - *Technical input to P3 study, traffic/revenue, others.*
- Cost estimates schedules aligned with funding requests
- BUILD grant budget should be sufficient to get to DAP

# Accommodating Project Delivery Options

- BUILD grant budget should be sufficient to get to DAP
- Design to DAP: can hand off to D/B, P3, maybe CM/GC
- Design-bid-build: use same A&E consultant entire time
- Issues with DAP as exit ramp? No, it's pretty common
- If CM/GC, need considerations of contractor involvement and when

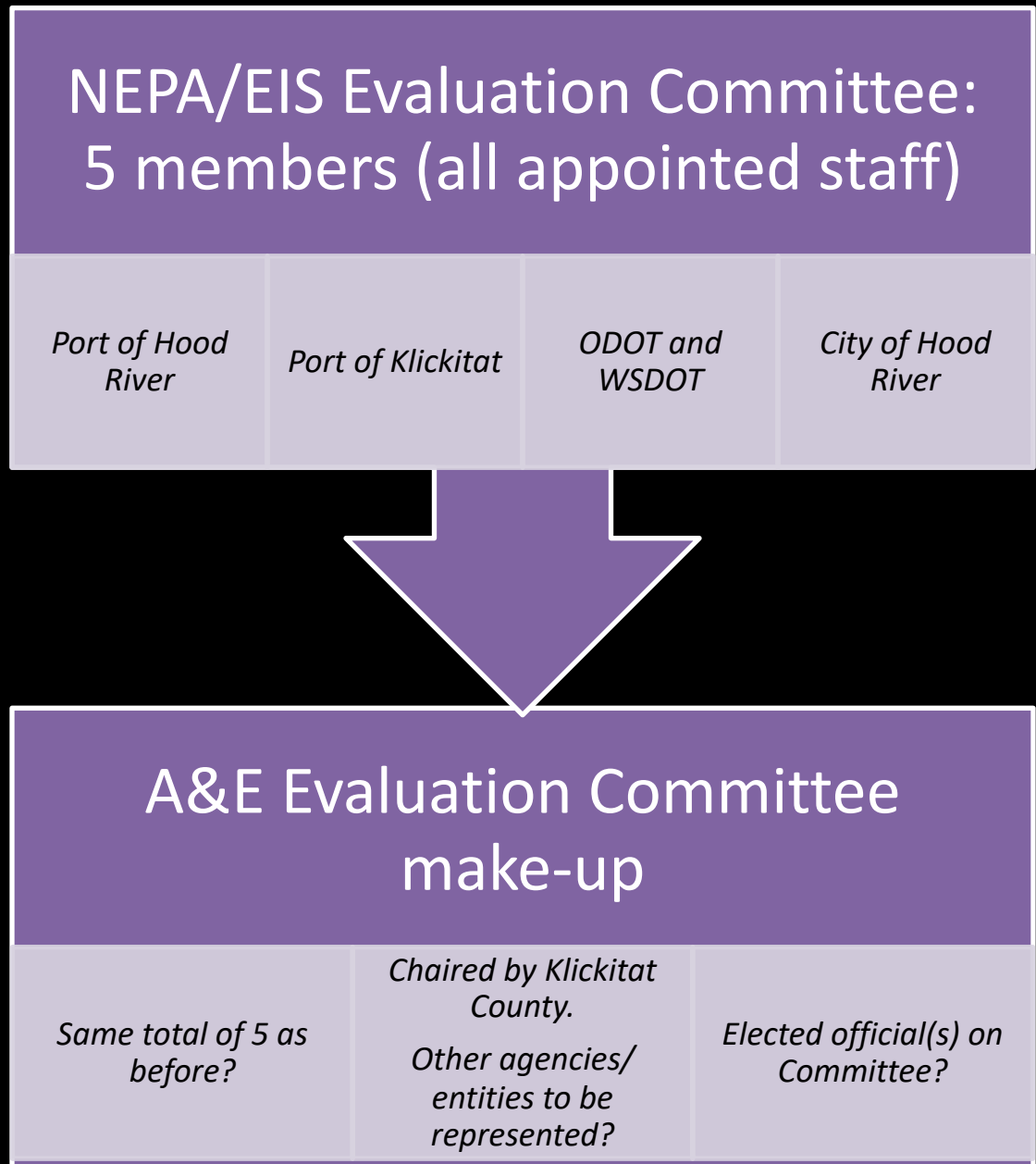




# A&E Evaluation Process

- Advertise RFP to all interested consultants
- Pre-proposal meeting early in RFP process
- Deadline: 6 weeks after RFP advertised
- Shortlist to 3-4 teams for interviews
- Evaluation committee recommends A&E team
- Contract negotiations with top-ranked team
- Port Commission action on consultant award
- Finalize contract, issue NTP, begin work
- Similar process as NEPA/EIS procurement

# Selection Committee



# Evaluation Criteria

NEPA/EIS Consultant	A&E Design Consultant
Team Capabilities & Experience, NEPA/EIS	Team General Experience: Big Projects
Proposed Approach & Proposal Quality	Proposed Approach & Proposal Quality
Relevant Project Experience & References	Project Team Qualifications, References & Quality Control Practices
Interview Scores	Interview Scores

# What Happens Next?





# Questions