



Bi-State Bridge Replacement Working Group Agenda

Meeting Date: March 20, 2023

Meeting Time: 2:00-4:00p

Location: 1000 E. Port Marina Drive, Hood River, OR

Zoom Meeting

<https://us06web.zoom.us/j/88490950292?pwd=c3RLaXZWMzFUR2JzOGtNZDFDMjk5UT09>

Meeting ID: 884 9095 0292

Passcode: 396314

Members: Chair, Mike Fox (Commissioner), Port of Hood River; Vice Chair, Jake Anderson (Commissioner), Klickitat County; Catherine Kiewit (Mayor), City of Bingen; Marla Keethler (Mayor), City of White Salmon; Paul Blackburn (Mayor), City of Hood River; Arthur Babitz (Commissioner), Hood River County

Alternates: Kristi Chapman (Commissioner), Port of Hood River; Jennifer Euwer (Commission Chair), Hood River County; Joe Sullivan (Councilor), City of Bingen; Jason Hartmann (Councilor), City of White Salmon; David Sauter (Commissioner), Klickitat County; Jessica Metta (Councilor), City of Hood River.

Staff/Consultants: Kevin Greenwood (Executive Director), Port of Hood River; Genevieve Scholl (Deputy Executive Director), Port of Hood River; Michael Shannon (Project Manager – Bridge Replacement), HNTB.

1) Welcome

2) Approval of Minutes (2 Min)

- Bi-State Working Group Meeting Minutes 03/06/2023

3) Review Action Items (10 Min)

Priority	Description/ Expected Outcome	Assigned To	Date Assigned	Due Date	Resolution/ Current Status	Status
Med	Track progress of BO following ODOT's commitment to have a draft in Mid-October Primary Contacts: Dennis Reicht: ODOT Tom Loynes – NMFS Liaison and Cash Chesselet – ODOT Environmental Program Coordinator – NMFS Liaison	Mike Shannon	9/19/2022	10/17/2022 10/31/2022 11/14/2022 12/12/2022 01/09/2023 01/23/2023 3/2/2023 no update from ODOT	10/17/2022 Staff will follow up with ODOT next week on Draft Document 10/31/2022 – Dennis said that Tom and Cash met with QC and NMFS and that it was their priority to get most of the draft completed this week. 11/14/2022 – Dennis ODOT indicated continued delays due to staff working on Abernathy Bridge issues 12/12-2022 – Carol ODOT emailed that the draft is 2-3 weeks out due to workload delays associated with Abernathy Bridge and Training 1/9/2023 - ODOT has requested for the information related to Temporary Work Bridges and Barges to be updated an increase in our information can calculations based on recent events on similar projects.	In Progress

Contact: Michael Shannon, (425) 577-8071 or mwshannon@hntb.com



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					<p>The information is being coordinated with ODOT 1/23/22 – The project team met with ODOT on 1/13/23 to discuss modifications need to the BiOp. ODOT is meeting with FHWA on 1/19/23 to get direction on how to proceed with modifications. Team is working on modifications to progress the work pending the information from FHWA 2/6/23 BA information has been updated and provided back to ODOT. A meeting is scheduled for 2/7 with FHWA to determine next steps.</p> <p>3/2/23 - C Callahan FHWA provided comments on the BA/BO on 2/21 to ODOT for comment. C Snead requested final comments from ODOT by 2/28. No comments/responses have been provided by ODOT – WSP has been directed to address FHWA comments and resend information by 3/76</p>	
Med	Track Progress of the Final BO	Mike Shannon	9/19/2022	1/31/2023	No Update	In Progress

4) Informational Items

Time	Discussion Topic	Owner/Presenter
	<ul style="list-style-type: none"> • • • • 	
5 Min	GR Update Washington Oregon DC <ul style="list-style-type: none"> • Kevin G. March 20-24 • Late April Trip • Monthly Update Calls 	Mike Shannon
5 Min	Hood River – White Salmon Bridge Authority (HRWSBA) <ul style="list-style-type: none"> • POHR has signed the CFA • Local board approvals are pending 	Mike Shannon
	Funding Finance & Tolling	Carl See

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<p>30 Min</p> <p>5 Min</p>	<p>WSTC Presentation Update on T&R Study</p> <p>Pending Grant Submittals</p> <ul style="list-style-type: none"> • MPDG (INFRA/Rural/Mega) • BIP • SS4A • Grant Reporting Update (April) • CDS Appropriations Submittals <p>Grant Submittals</p> <ul style="list-style-type: none"> • Raise Planning 2023 - \$3.6M submitted on 2/28/23 <p>Current Grant Funding</p> <ul style="list-style-type: none"> • WA • ARPA (Oregon) • Build 20 	<p>Mike Shannon</p>
<p>10 Min</p>	<p>Treaty MOA's</p> <ul style="list-style-type: none"> • Treaty Tribe MOA Sub-Schedule • Yakama • Nez Perce • Umatilla (CTUIR) • Warm Springs 	<p>Mike Shannon</p>
<p>10 Min</p>	<p>RBMC</p> <ul style="list-style-type: none"> • Amendment 3 • Request for Proposal (RFP) Progressive Design Build (PDB) Sub-Schedule Review • PDB Procurement/Preliminary Engineering • Key Stake Holder Coordination • Geotechnical Investigation • Survey • Right of Way • Permitting 	<p>Mike Shannon/Brian Munoz</p>
<p>5 Min</p>	<p>NEPA/FEIS/ROD</p> <ul style="list-style-type: none"> • Sec. 106 MOA • BiOp • Schedule 	<p>Mike Shannon</p>

5) Upcoming Actions (2 Min)

Description/ Expected Outcome	Anticipated Action Date
ODOT Tech Services IGA	TBD
CFA Approval	March
BiOp	?
Treaty Tribe MOA's	May

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6) New Action Items

Priority	Description/ Expected Outcome	Assigned To	Due Date

Next Meeting, April 3, 2023



BRIDGE REPLACEMENT PROJECT

Bi-State Working Group Meeting Summary

Monday, March 6, 2023 | 2:00 p.m. – 4:00 p.m.
Port of Hood River – Commission Board Room & Via Zoom
1000 E Port Marina Drive, Hood River OR 97031

In Attendance:

Members: Chair, Mike Fox (Commissioner), Port of Hood River; Vice Chair, Jake Anderson (Commissioner), Klickitat County; Marla Keethler (Mayor), City of White Salmon; Paul Blackburn (Mayor), City of Hood River; Arthur Babitz (Commissioner), Hood River County; Catherine Kiewit (Mayor), City of Bingen.

Alternates: Grant Polson, City of Hood River

Staff/Consultants: Kevin Greenwood (Executive Director), Port of Hood River; Michael Shannon (Project Manager), HNTB; Brian Munoz, HNTB; Steve Siegel, Siegel Consulting; Debbie Smith-Wagar (Finance Director), Port of Hood River; Kary Witt, HNTB.

Guests: Abigail Elder, City of Hood River; Mary Francoeur; Tamar Schurian; Sam Hunaidi, ODOT; Denis Reich, ODOT; Chuck Green; Brad Guilmino; Carl See, WSTC; Lowell Clary; Matt Ransom, RTC; Scott Schlechter, GRI; Timothy Boesch; Yonnel Gardes; Stacey Zurcher; Scott Nelson.

Welcome

Commissioner Jake Anderson called the meeting to order at 2:00 p.m.

Approval of Minutes

The Bi-State Working Group (BSWG) minutes for February 6, 2023 were approved by consensus.

Review Action Items

Michael Shannon, HNTB Project Manager, reported that Oregon Department of Transportation (ODOT) needed to make updates to the Biological Opinion (BiOp), and was sent to Federal Highway Administration (FHWA) for review. Responses from FHWA were received on February 20. No comments have been received from ODOT.

Informational Items

- a. **Communications Update** is included in the packet.
- b. **GR Update** – Shannon commented that there have been several congressional calls with Hall Hiemstra. The BSWG is planning to make a trip to Washington, DC in April. Shannon also reported that Oregon is going through the semiconductor and housing discussions for about six weeks, so they may not be responding to other topics for the time being. On the Washington side, they might soon have a proposal that looks promising for the Bridge Replacement Project (“Project”).

- c. **Hood River – White Salmon Bridge Authority (HRWSBA)** – Shannon noted that the Port of Hood River (“Port”) has signed off on the Commission Formation Agreement (CFA). The other five entities are in the process of reviewing the CFA. The CFA is expected to be finalized in March.
- d. **Pending Grant Submittals** – The Raise Planning Grant was submitted February 28 and the requested amount was \$3.6 million. An appropriation submittal was submitted to Murray and Merkley/Wyden on March 3. Next round of significant grants will begin in April or May. Commissioner Mike Fox suggested seeking a retired member of the Transportation Committee that has experience with grant evaluations to provide a mock review on the grant applications.
- e. **Treaty MOA’s** – Shannon Commented that meetings are now scheduled with all four Treaty Tribes and added that the Treaty Tribe Memorandum of Agreements (MOA) are progressing.
- f. **RBMC** – The Request for Proposal (RFP) for the procurement of the Progressive Design Build team is underway. Survey on Port properties are almost complete. The borings in Washington are expected to begin in May or early June.

Shannon turned to Chuck Green, OTAK, for a brief announcement. Green commented that he is now Ridgefield’s Washington Public Works Director and will be stepping away from the BSWG team. Green is looking forward to the Project being a success and offered his support. Commissioner Fox acknowledged and thanked Green for all his work in the last several years to advance the Project. Shannon introduced Scott Nelson, OTAK, who will replace Chuck Green on the OTAK team.

Funding Finance & Tolling

Carl See, WSTC, provided a presentation on the status of the Hood River Bridge Traffic & Revenue Study. The purpose of the study is to develop a planning level traffic and revenue analysis and resulting toll funding capacity across multiple scenarios to support future funding decisions for the Project. See provided an overview of the tolling scenario structure on the current bridge and the replacement bridge and presented the preliminary tolling scenarios. A discussion ensued regarding the tolling scenarios. The BSWG consensus was to proceed with HNTB’s original tolling scenario 3 & 5, and incorporate a \$75 million bonding authority as well as a scenario for a \$125 million bonding authority. The BSWG also requested that the scenarios include a toll increase in August of 2023. As well as a toll increase in 2031 when the new bridge is operational, with a 15% increase every 5 years.

Adjourn

Next meeting is on March 20. The meeting was adjourned at 4:31 p.m.

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HOOD RIVER-WHITE SALMON BRIDGE REPLACEMENT

Project Director Report
March 20, 2023

The following summarizes Replacement Bridge Project activities from March 06, 2023 to March 20, 2023:

PROJECT MANAGEMENT

- *RBMC team is continuing to meet with WSP, ODOT and Federal Highway Administration (FHWA) related to the NEPA/FEIS process and Treaty Tribe Memorandum of Agreement (MOA's).*
- *RBMC team is meeting with ODOT, WSDOT and FHWA on the RFP for the Progressive Design Build Procurement.*
- *Grant Tracking for WA, ARPA, Build Grants will be on going each quarter.*
- *Legislative Outreach is continuing with Oregon, Washington and DC*

COMMUNICATIONS

- *The web site has been launched www.hoodriverbridge.org and is seeing regular updates*
- *Social media accounts are now active and we're building followers.*

GOVERNMENT AFFAIRS UPDATE

- *State Legislative Activities*
 - *Oregon*
 - *Responses were provided to our lobbyist about the timing of the funding from Washington State.*
 - *Washington*
 - *Meetings were held with Sen. Liias and Sen. King in Olympia. Both were very positive on the project seeing funding this year with recuring funding over next few years. It is expected that the draft budgets will be coming out in Washington over the next couple weeks.*
 - *Both Sen. Liias and Sen. King asked about the progress of the Hood River White Salmon Bridge Authority and tolling to support local funding. They were updated that both were progressing forward and that the Port signed the CFA and it was anticipated that the remaining agencies would be signing in March and April.*
- *Federal Legislative Activities*
 - *CDS Appropriations requests have been sent for both Washington and Oregon for a total funding request of \$8M.*
 - *Kevin G will be traveling to DC March 20-24 with PNWA Event and is coordinating a number of meetings while he is there. (See attached schedule of meetings)*
 - *We are planning to make two trips per year to DC in support of funding requests*
 - *Looking at the end of April for the first trip*

HOOD RIVER-WHITE SALMON BRIDGE AUTHORITY

- *The Final Draft of the Commission Formation Agreements (CFA) has been distributed to the BSWG with a recommendation to move forward with obtaining signatures from the 6 parties of the agreement.*
- *Port of Hood River signed CFA on 2/7/23, anticipate other members signing in March and April*
- *HRWSBA Legal Counsel Recommendations for consideration:*
 - *Stacey Lewis at Pacifica Law Group in Seattle, as recommended by Steve Siegel.*
 - *Eileen G. Eakins, who provided Port Commission training back in 2021 - 5285 Meadows Road, Suite 400, Lake Oswego, OR 97035, (503) 607-0517, eileen@lgl-advisors.com;*
 - *Clark Balfour at Cable Huston, who I have worked with over the years on municipal utility projects: <https://www.cablehuston.com/attorneys/clark-i-balfour/>;*
 - *Anna Cavaleri, Jerry's partner <http://hoodriverlaw.com/attorney-profiles/anna-c-cavaleri/>*

FUNDING FINANCE & TOLLING

- *Washington State Transportation Commission (WSTC) T&R Analysis*
 - *HNTB and the PORT continue to coordinate with WSTC*
 - *WSTC held their meeting on March 14th – 15th*
 - *They discussed the two scenarios and received approval on moving them forward. (PDF of presentation is attached and summary of meeting)*
 - *Link to agenda <https://wstc.wa.gov/news/2023/02/27/meeting-agenda-march-14-15-2023>*
 - *WSTC will provide an update on the two scenarios to the Port Comm on March 21st*
 - *Schedule Milestones:*
 - *May 2023 – Draft Study findings and recommendations presented to WSTC*
 - *June 2023 – Final Report of findings and recommendations presented to WSTC and submitted to Washington State Legislature*
- *BSWG Tolling Study*
 - *Funding Finance and Tolling team is developing a model that will support the consideration of different tolling scenarios and their impacts on the financial plan to support the construction of a new bridge.*

PENDING GRANT FUNDING UPDATES

- *Raise Planning Grant (2023)*
 - *Notice of Funding Opportunity (NOFO) issued: 11/30/22, Update to NOFO received on 12/14/22*
 - *Application Submitted: 2/28/23*
 - *Requested amount of funding: \$3.6M*

- *Our application focused on a planning grant that will evaluate Bike/Ped connections and Transit services access/connections to the new bridge. With a focus on how the bridge is a vital part of a transportation system.*
- *Over 20 Letters of Support were included with our application*
- *Safe Streets and Roads for All Grant Program (SS4A)*
 - *Next Opening April 2023*
 - *2023 NOFO Spring 2023*
- *Multimodal Project Discretionary Grant (MPDG)*
 - *Next Opening – Spring 2023*
 - *2023 NOFO not released*
 - *INFRA (\$8 B available over 4 years FY22 to FY26)*
 - *MEGA (\$5 B available over 4 years FY22 to FY26)*
 - *Rural (\$2 B available over 4 years FY22 to FY26)*
 - *The project was notified that it was not successful in obtaining any 2022 grant funding from the MPDG. A Debrief is being targeted for April 2023 in DC.*
 - *MPDG Comments from USDOT*
 - *C. The project will be cost-effective (49 USC 6701(f))*
 - *D. With respect to related non-Federal financial commitments, 1 or more stable and dependable sources of funding and financing are available to (i) construct, operate, and maintain the project; and (ii) cover cost increases (49 USC 6701(f))*
 - *E. The applicant has, or will have, sufficient legal, financial, and technical capacity to carry out the project (49 USC 6701(f))*
- *Bridge Investment Program (BIP)*
 - *Next Opening – Summer 2023*
 - *2023 NOFO – Summer 2023*
- *CDS Appropriation*
 - *Requests is being submitted for a total of \$8M between the delegations for Preliminary Engineering/Design, Right of Way Acquisition, Mitigation identified as part of the NEPA process.*
 - *Murray request was submitted on 2/28/23*
 - *Merkley/Wyden request was submitted on 3/3/23*
 - *Cantwell and Newhouse request were submitted on 3/10/23*
 - *Blumenauer request was submitted on 3/17/23*

EXECUTED GRANT FUNDING UPDATES

- *Build20*
 - *Grant Awarded 9/23/22*
 - *Funding: \$5M – Federal Share, \$1.25M Local Match (Washington Grant) – Total \$6.25M with an Expenditure Deadline of 12/31/2024*
 - *Total Submitted for Reimbursement: \$0*
 - *Total Reimbursement received to date: \$0*
 - *Remaining Funds: \$5 million*

- *We have received our certification from FHWA on 12/21/22. We have received access to the RADs quarterly reporting system for FHWA on 1/26/22. Training with FHWA is still pending.*
- *Q4 2022 reporting has been submitted through RADs to FHWA*
- **ARPA (Oregon Grant)**
 - *Grant Awarded 5/12/22*
 - *Funding: \$5M with an Expenditure Deadline of 12/31/26*
 - *Total Submitted for Reimbursement: \$225,353.30*
 - *Total Reimbursement received to date: \$225,353.30*
 - *Remaining Funds: \$4,774,646.70*
 - *4th Quarter reimbursement submitted on January 10th, 2023. Next reimbursement submittal April 2023*
- **WA SB 5165 Grant**
 - *Grant Awarded 2/2/22*
 - *Funding: \$5M with an Expenditure Deadlines of 6/30/23 (\$3M) and 6/30/23 (\$2M)*
 - *Total Submitted for Reimbursement: \$1,341,149.25*
 - *Total Reimbursement received to date: \$384,693.39*
 - *Remaining Funds: \$3,658,850.75*
 - *4th Quarter reimbursement submitted for \$956,455.86. Next reimbursement submittal will be April 2023.*

TREATY TRIBE MOA'S

- *A Semi-weekly meeting has been set up with ODOT and FHWA specific to advancing the Treaty Tribe MOA's. A collaboration space has been created on the Project Portal site.*
 - **Yakama Nation (YN).**
 - *Draft MOA was submitted by Roy Watters to the Yakama Nation on 1/26/23*
 - *A meeting to discuss the Section 106 MOA and Treaty Fishing MOA was held on 2/28/23. Meeting was positive and they were very appreciative of the work that was done in the draft Treaty MOA. Yakama Nation will review the draft MOA with a tentative date to provide responses in two weeks. Tribal members agreed that ODOT could move forward with the next steps in the 106 MOA process (summary attached)*
 - **Nez Perce**
 - *The Draft MOA was submitted to ODOT on 1/17/23*
 - *ODOT approved us to move forward with sending the Draft MOA on 1/24/23.*
 - *2/2/23 – Project update call with Amanda Rogers of Nez Perce and Herb Fricke (Project Tribal Coordinator), Roy Watters (ODOT). MOA was sent to Amanda on 2/2/23.*
 - *We are coordinating a project update meeting with them in the next couple months.*
 - *Port attorney is coordinating with Nez Perce tribe as they requested*

- **Umatilla (CTUIR).**
 - *The Draft MOA was submitted to the Umatilla Tribe on 1/25/23*
 - *Meeting and Presentation were held with CTUIR Fish and Wildlife commission on 1/24/23*
 - *2nd Meeting with Umatilla has been scheduled for 3/23/23*
 - *We have received a letter of support for the bridge project from CTUIR.*

- **Warm Springs.**
 - *A meeting has been scheduled with the Warm Springs Tribe for 3/22/23.*

RBMC

PROGRESSIVE DESIGN BUILD RFQ/RFP

- *Sub-schedule has been developed for the procurement of the Progressive Design Build Team (See Packet) – opportunities to advance the schedule are being reviewed.*
- *A meeting was held with ODOT on 3/7 with Region 1 staff and Headquarters Procurement staff to discuss their role on the upcoming PDB Procurement. Robert Wattman will be our point of contact and backed by Sam Hunaidi. A number ODOT technical staff were also at the meeting and provided input into how to move forward. WSDOT also attend this meeting.*
- *A meeting was held with FHWA on 2/16 to discuss their role on the upcoming PDB Procurement and a monthly recurring meeting has been set up.*
- *A meeting was held with WSDOT on 2/23. WSDOT has provided a point of contact for the PDB team to work with on the RFP development.*

KEY STAKE HOLDERS

RAILROAD

- *Kickoff/Update meeting was held with BNSF on 1/25/23, they indicated the new bridge should accommodate a future triple track and a 30' vertical clearance. At this time these are not seen as major impacts to the project.*
- *Coordination of work activities over the track will be critical do to the high volume of usage.*
- *BNSF did not anticipate long review periods given their current workload, they indicated that they had adequate capacity to support the coordination needed on this project.*

GEOTECHNICAL

- *The two Oregon on land borings were completed on Feb 6th and the report is being developed. Cultural Resource monitoring was done and no cultural resources were found.*
- *Coordination with the tribes will work through ODOT but it is likely the PORT will be asked to fund the tribal monitoring costs.*
- *Underwater drilling is scheduled to start June 19th and last 5 weeks.*

SURVEY

Completed work

- *Additional right of way research and calculations completed*
- *APS locating underground utilities on Oregon side*

Upcoming work

- *Complete right of way calculations in OR and WA*
- *Coordinate private utility locates in WA*
- *Map locates in OR and WA*

RIGHT OF WAY

- *Coordination has begun with WSDOT and ODOT to define the jurisdictional limits for both agencies.*
- *Our right of way team is coordinating with the two property owners in Washington that will need to provide Right of Entry for the geotechnical borings. The two owners are a private owner and Klickitat County. We have received the ROE letters from both.*
- *The SDEIS preferred alternative does indicate a potential whole take of the private landowner and we will need to coordinate with the BSWG and PORT on when to move forward with discussion with the landowner on this action.*

PERMITTING

- **SHPO Permit for Upland Work in Oregon** – This permit was issued on 1/19/23. CTOGR included some standard stipulations in their permit comments. The Oregon UPLAND boring work can proceed and is scheduled for next week.
- **USACE Permit** – USACE issued a provisional permit in late December. They will finalize the permit once DEQ provides the 401 C water quality certification. All SHPO/tribal coordination for the in-water and WA. Borings has been completed by USACE.
- **DEQ Permit** – The permit application was submitted to DEQ on 1/13/23. Expect DEQ to issue the 401 C in the next 2-3 months. As noted above, once DEQ issues their permit USACE will issued their final permit verification. USACE is just waiting on DEQ.
- **DSL Short Term Access Agreement** – This approval was issued in September 2022.
- **DSL No Permit Needed Letter** – This letter was issued January 18, 2023 confirming the work does not require a DSL Removal-Fill Permit.
- **WDFW Hydraulic Permit Approval** – The original HPA was modified with new project information and schedule on January 11th. The HPA includes several standard BMPs and notification requirements. Notification must be made at least three days prior to in-water work on WA. Side.

- **City of White Salmon SEPA and SMP Exemption Letter** – The final letter from City confirming Teotech work is exempt from SEPA and SMP was issued on January 23, 2023.
- **WDNR Aquatic Lands ROE Permit** – We received the requisite signatures from Klickitat Co. and Shin Jin Ko on February 2, 2023. We will submit the application (JARPA) to WDNR by COB February 3, 2023. Expect two months for DNR to issue the ROE permit.
- **NMFS Slopes V Compliance** – The USACE has determined that the work as proposed will result in No Effect on listed fish based on the standard BMPs to be included (SLOPES V BMPs) and the short duration, confined nature of the work. We were able to avoid getting NMFS involved.

When USACE issues the verification, it will also include the necessary ESA/NMFS compliance. The provisional verification discusses this and application of SLOPES V. So this task/compliance need will get completed when USACE issues the permit (without NMFS involvement), which will happen once the DEQ permit lands.

- The DEQ permit application was submitted to DEQ on 1/13/23 after they issue their permit USACE will immediately take the “provisional” moniker off of the provisional verification. Once submitted WDNR should be able to turn around the permit within two months. There is a \$25 fee for this permit.

FINAL EIS/RECORD OF DECISION

- Environmental Impact Statement technical reports are available at <https://cdxapps.epa.gov/cdx-enepa-ll/public/action/eis/details?eisId=314171>
- ODOT provided additional comments to the BA/BO on 3/15. Comments were reviewed with ODOT and WSP on 3/16. Additional coordination through email with FHWA was held on 3/16. Pending ODOT’s concurrence with FHWA by 3/17. WSP will have revised documents returned to ODOT by 3/24.
- ODOT could not clarify what % of the BA still required ODOT review or what sections were remaining to be reviewed.

OTHER ITEMS

KEY MEETINGS

Date:	Subject:
3/6	Weekly check in with WSP
	RBMC weekly check in with Port Director
3/7	Port Staff meeting
	ODOT Coordination meeting on PDB RFP

	<i>ODOT Coordination meeting on Treaty Tribe MOA's</i>
<i>3/13 – 3/15</i>	<i>Design Build Institute of America Annual Conference – PDB Specific Track</i>
<i>3/16</i>	<i>Meeting with Sen. King</i>
	<i>Meeting with Sen. Liias</i>

Why is a Traffic and Revenue Study Being Conducted?

Washington State Supplemental Transportation Budget of 2022 (ESSB 5689) authorized \$75M for the replacement of the Hood River-White Salmon Bridge. That legislation also directed the Washington State Transportation Commission (WSTC) to conduct a Planning Level Traffic and Revenue Study (T&R Study) to serve as an independent analysis of long-term traffic and revenue and resulting financing capacity to inform future funding decisions for the project. The legislature allocated \$1.5M for the study. The WSTC has retained the services of CDM Smith to conduct this study, which is underway and expected to be completed by June, 2023.

What is a Traffic and Revenue Study and What Will Be Learned From it?

A T&R Study is an expert analysis of the long-term projected traffic levels on a particular facility and the revenues that can be expected to be generated by tolls on that facility across a range of toll rate scenarios. Often, these projections are then used to generate a range of debt financing options. There are three levels of T&R Studies:

1. **Level 1 – Sketch Level:** Estimates based on existing data with limited travel demand modeling and a less rigorous analysis of economic factors. Used primarily to evaluate feasibility and obtain a general idea of toll revenue potential in the early stages of a project
2. **Level 2 – Planning Level:** More rigorous analysis of traffic and travel pattern history, more detailed travel demand modeling, detailed capacity analysis modeling, application of regional economic data and forecasts, detailed analysis of operation and maintenance costs and other detailed data. Used to guide decisions on toll rates and financing decisions.
3. **Level 3 – Investment Grade:** Much more rigorous analysis of all historical data and future projections from multiple sources, travel demand modeling and forecasting, detailed economic analysis and forecasting, detailed analysis of operating, maintenance, repair and replacement costs over the life cycle of the facility. Used by credit rating agencies to support rating decisions and used by debt issuers and underwriters to evaluate creditworthiness and determine financing terms.

This Planning Level (Level 2) T&R Study is expected to generate data and conclusions to help inform future financial decision making by all parties involved in funding or financing for the replacement bridge project. This information will include:

- Detailed traffic and toll transaction history
- Detailed traffic and travel pattern history
- Traffic and revenue projections through 2051 for various toll rate scenarios
 - Rigorous traffic demand modeling
 - Traffic suppression and diversion in response to various toll rate scenarios
 - Sensitivity and Elasticity in response to various toll rate scenarios
- Independent Regional Economic Forecast
- Results from bridge user stated preference survey and shipper/carrier interviews
- Operations Analysis with detailed gross to net analysis
- Financing capacity analysis

How Will this Study Help Us with Toll Rate Decisions

The Port of Hood River and the Bi-State Working group are currently considering options for toll rate adjustments on the existing bridge and toll rates for the new bridge that will facilitate the ability to finance between \$75M and \$125M of the \$520M estimated construction cost of the new bridge. The toll rates being considered can be broken down into 2 components:

Pre-completion tolling: A toll increase could be implemented in FY 2024 on the existing bridge with a portion of those revenues dedicated to building reserves to support financing for the new bridge. It is estimated that between \$15M to \$21M in reserve funds will be required to obtain financing in 2028. Pre completion toll rates will need to be sufficient to build these reserves between 2024 and 2029.

Post completion tolling: Revenues from tolling on the new bridge starting in 2031 100% dedicated to funding debt service as well as on-going operating and maintenance and repair and replacement costs over the 30-year term of the financing. Post completion toll rates must be sufficient to cover these obligations over the 30-year life of the financing.

The WSTC’s T&R Study is primarily concerned with evaluating the post completion toll rates necessary to support 30-year financing of between \$75M and \$140M. Pre-completion toll rates do not affect the long-term financing capacity of the new bridge and so are not the focus of the WSTC Study. POHR’s RBMC consulting team (HNTB) is conducting parallel studies focused primarily on evaluating pre-completion toll rates that would allow the Bi-State Bridge authority to build the required \$15M to \$21M in reserves by FY 2029.

What Toll Rate Scenarios will be considered?

Working closely together, the WSTC and POHR teams have developed two toll rate scenarios that will be evaluated in detail by both teams going forward. These scenarios are intended to form “bookends” to demonstrate toll rates necessary to support both the high (\$125M) and low (\$75M) ends of the financing needs expected for the project.

Existing Toll Rates	BreezeBy	\$1.00	
	Cash / CC	\$2.00	
		Scenario A	Scenario B
	Pre-Completion (FY 24-30)	FY 24 Increase by \$1.75 for BreezeBy & \$1.50 for Cash	FY 24 Increase by \$1.00 for BreezeBy & Cash
FY 24	BreezeBy	\$1.75	\$2.00
	Cash / CC	\$3.50	\$3.00
FY 30	BreezeBy	\$1.75	\$2.00
	Cash / CC	\$3.50	\$3.00
	Post Completion (FY 31-51)	15% Increase every 5 yr starting in FY 36 (BreezeBy)	15% Increase every 5 yr starting in FY 36
FY 31	BreezeBy	\$2.00	\$2.50
	Video	\$4.00	\$5.00
FY 51	BreezeBy	\$3.50	\$4.45
	Video	\$5.50	\$8.75
	Estimated Financial Capacity Target	\$75 million	\$125 million

*Toll rates shown are for cars and light trucks. Multipliers for trailers and trucks will be applied

Financing capacity targets shown above assume periodic escalation in toll rates over the 30-year life of the financing. In this example, it is assumed that tolls will increase 15% every 5 years, resulting in the final toll rates shown for FY 2051.

What is next?

The WSTC team received approval from the WSTC on March 14 to move ahead with the scenarios outlined above. These scenarios will be the focus of the detailed Planning level T&R analysis that will be conducted by the CDM Smith team in April and May, 2023. At the same time, the POHR RBMC consulting team will conduct detailed analysis of the pre-completion components of the two scenarios to evaluate the extent to which they satisfy the reserve building requirements outlined above. Final T&R forecasts are scheduled to be completed in late May, 2023, and a final report is scheduled to be presented to the WSTC in June, 2023.

The WSTC team is scheduled to provide an update to the BSWG at its March 20, 2023 meeting.

Hood River Bridge Traffic & Revenue Study

WSTC Commission Meeting

3/14/2023

**CDM
Smith**

Carl See - WSTC

Tim Boesch, AICP PMP - CDM Smith

Lowell Clary – Clary Consulting

Agenda

- Study Update – Where are we?
- Preliminary Tolling Scenario Description
- Preliminary Tolling Scenario Results
 - Transactions, Gross and Net Revenue Streams
 - Financial Capacity Analysis
- Final Two Scenario Recommendations
- Next Steps/Workplan



Study Background

Study Purpose

- The 2022 enacted State Supplemental Transportation Budget (ESSB 5689) directs the WSTC to carry out a planning level traffic and revenue study of the Hood River Bridge to be completed by June 30, 2023
- The primary goal is to develop planning level traffic and revenue analysis and resulting toll funding capacity across multiple scenarios to support future funding decisions for proposed bridge replacement plan(s)
- This study should also inform a potential investment grade traffic and revenue study



Hood River Bridge Replacement Funding

- Total bridge replacement project costs: \$520 million (2022 dollars)
 - Estimate based on preliminary analysis by the Port of Hood River
- Funding committed to date: \$95 million
 - State Funding: \$80 million from Washington, \$10 million from Oregon
 - Federal Grants: \$5 million in federal grant fund
- Funding targets to address the \$425 million in unfunded need include:
 - State Funding: \$160 million in additional state funding
 - Intent is to have total of \$125 million committed by both WA and OR (\$250 million total)
 - Federal Grants: \$125 - \$195 million
 - Unsuccessful in 2022, preparing new federal grant applications for 2023
 - **Toll-Backed Financing: \$75-\$125 million**
 - **Subject to on-going traffic & revenue analysis and financial need**

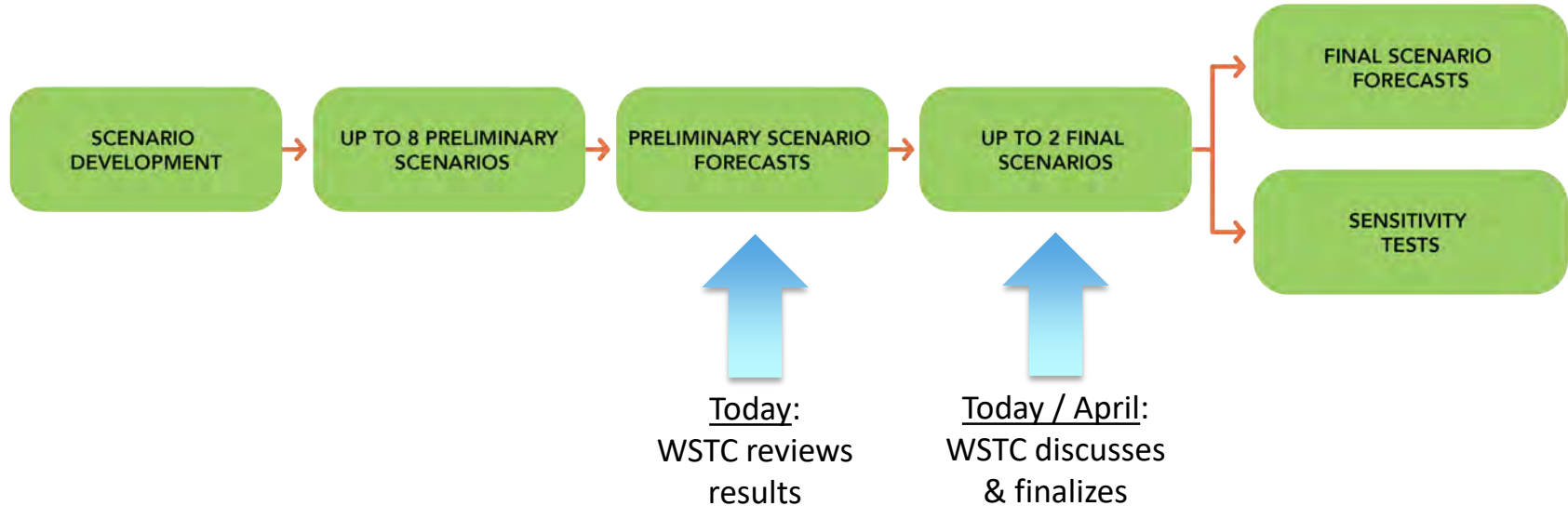
Hood River Bridge Replacement Tolling

- Current Hood River Bridge tolling revenues support existing bridge operations & maintenance and a small portion of bridge replacement.
- Port of Hood River anticipates tolling in support of the replacement bridge to include:
 - Pre-Completion Tolling: Revenues from a toll increase on the current bridge dedicated to the replacement bridge project as soon as July 1, 2023 (FY 2024) – *may shift to January 1, 2024*
 - Post-Completion Tolling: Revenues from tolling on the replacement bridge beginning in FY 2031 dedicated to funding debt service as well as on-going operations & maintenance and repair & replacement costs



Preliminary Tolling Scenarios

Study Scenarios Process



Recap: Tolling Scenario Structure

Assumptions:

- Current axle toll multipliers assumed to remain unchanged
- Current toll-free exemptions and agreements assumed to remain unchanged*

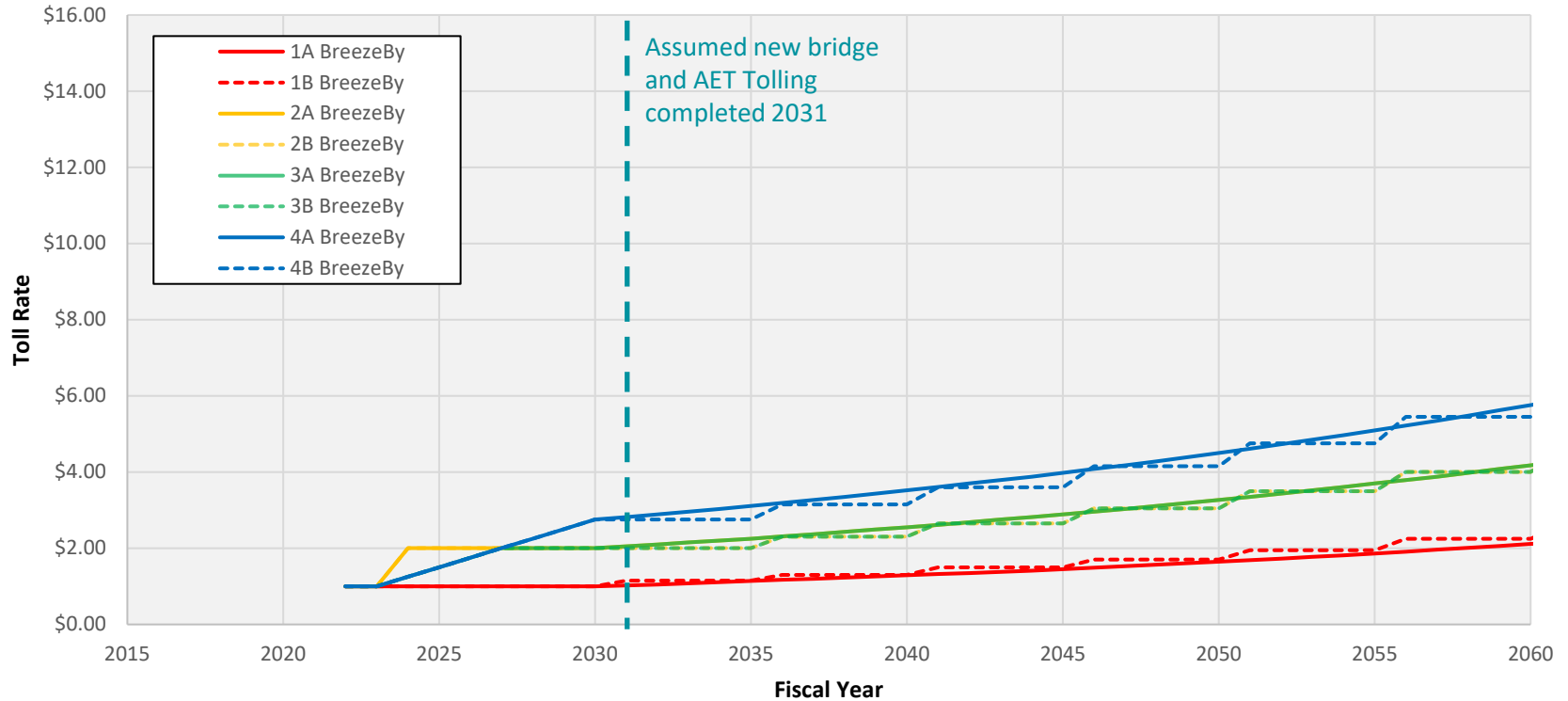
Additional Considerations:

- Traffic data does not support need for time of day, day of week, nor seasonal pricing
- New low-income or high-frequency discount plans may be appropriate

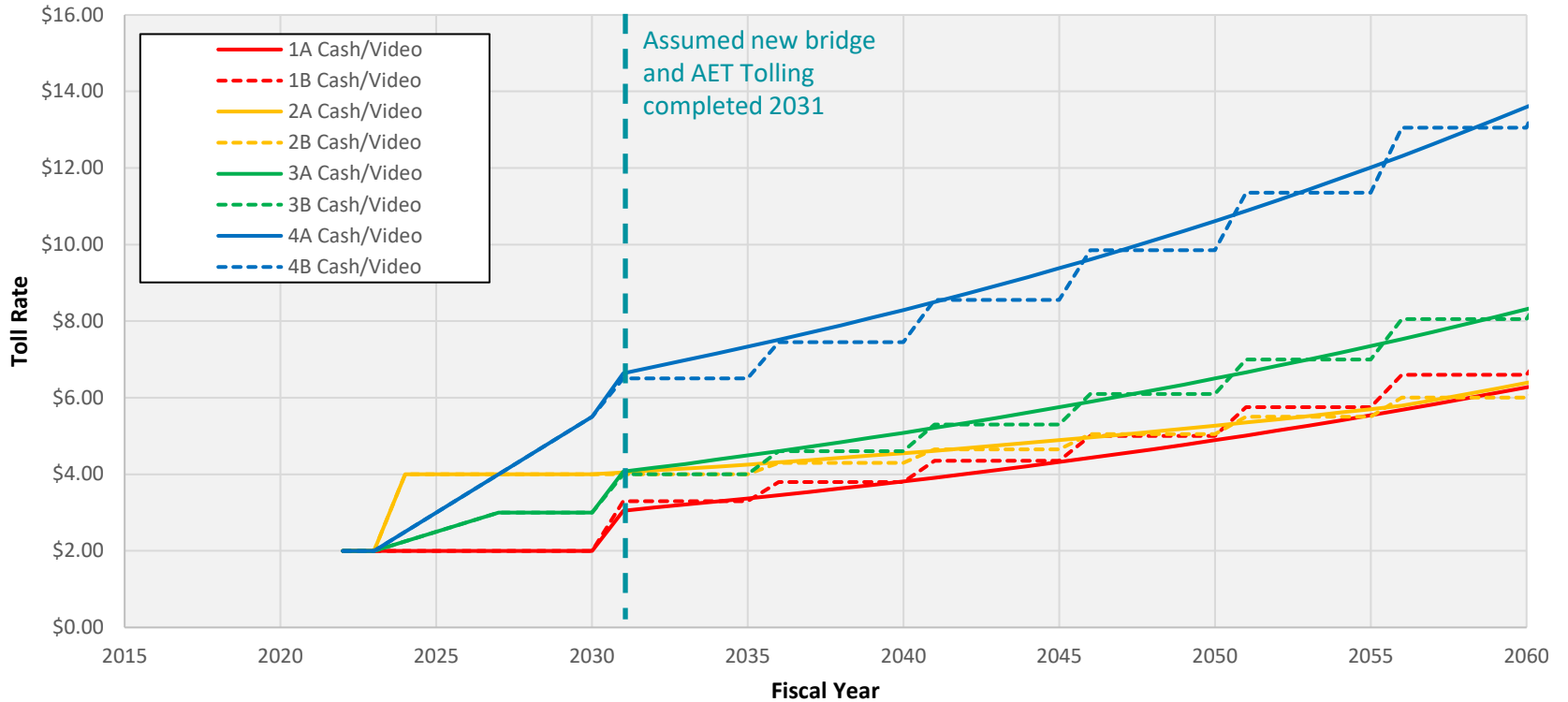
Preliminary Tolling Scenarios (WSTC)

		Scenario 1A	Scenario 1B	Scenario 2A	Scenario 2B	Scenario 3A	Scenario 3B	Scenario 4A	Scenario 4B
<i>Pre-Completion (FY24-30)</i>		<i>No change</i>		<i>100% increase in FY24</i>		<i>\$0.25 annual increase for Cash/CC & BreezeBy thru FY27</i>		<i>\$0.50 annual increase for Cash/CC & \$0.25 for BreezeBy thru FY30</i>	
FY'24	BreezeBy	\$1.00	\$1.00	\$2.00	\$2.00	\$1.25	\$1.25	\$1.25	\$1.25
	Cash/CC	\$2.00	\$2.00	\$4.00	\$4.00	\$2.25	\$2.25	\$2.50	\$2.50
FY'30	BreezeBy	\$1.00	\$1.00	\$2.00	\$2.00	\$2.00	\$2.00	\$2.75	\$2.75
	Cash/CC	\$2.00	\$2.00	\$4.00	\$4.00	\$3.00	\$3.00	\$5.50	\$5.50
<i>Post Completion (FY31-51)</i>		<i>2.5% Annual Increase</i>	<i>15% Increase every 5 yr starting in FY31</i>	<i>2.5% Annual Increase (BreezeBy)</i>	<i>15% Increase every 5 yr starting in FY36 (BreezeBy)</i>	<i>2.5% Annual Increase</i>	<i>15% Increase every 5 yr starting in FY36</i>	<i>2.5% Annual Increase</i>	<i>15% Increase every 5 yr starting in FY36</i>
FY'31	BreezeBy	\$1.02	\$1.15	\$2.05	\$2.00	\$2.05	\$2.00	\$2.82	\$2.75
	Video	\$3.05	\$3.30	\$4.05	\$4.00	\$4.07	\$4.00	\$6.64	\$6.50
FY'51	BreezeBy	\$1.69	\$1.95	\$3.35	\$3.50	\$3.35	\$3.50	\$4.61	\$4.75
	Video	\$5.01	\$5.75	\$5.35	\$5.50	\$6.66	\$7.00	\$10.88	\$11.35

Passenger Car BreezeBy* Toll Rates



Passenger Cash-CC/Video* Toll Rates



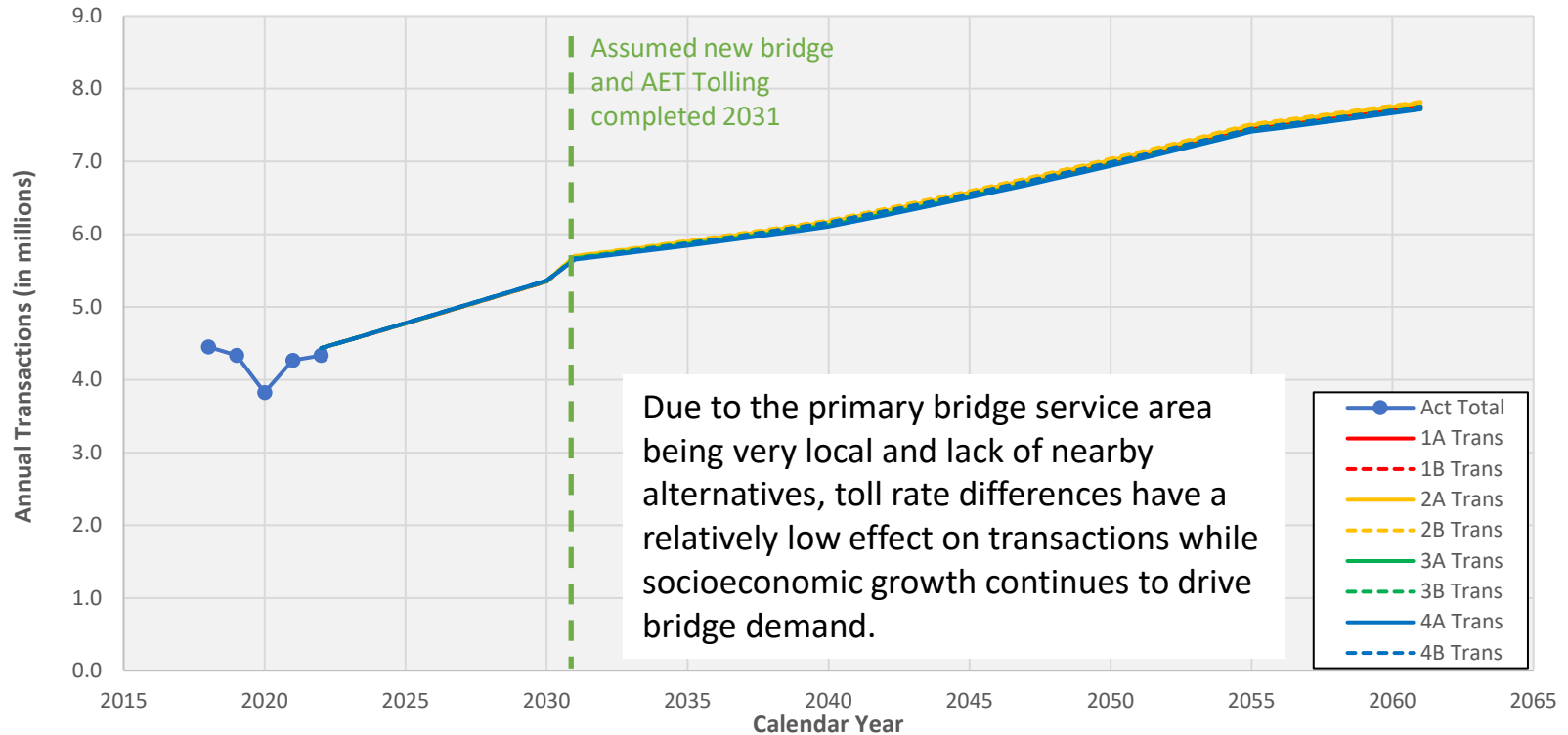


Preliminary Scenario T&R Forecasting Results

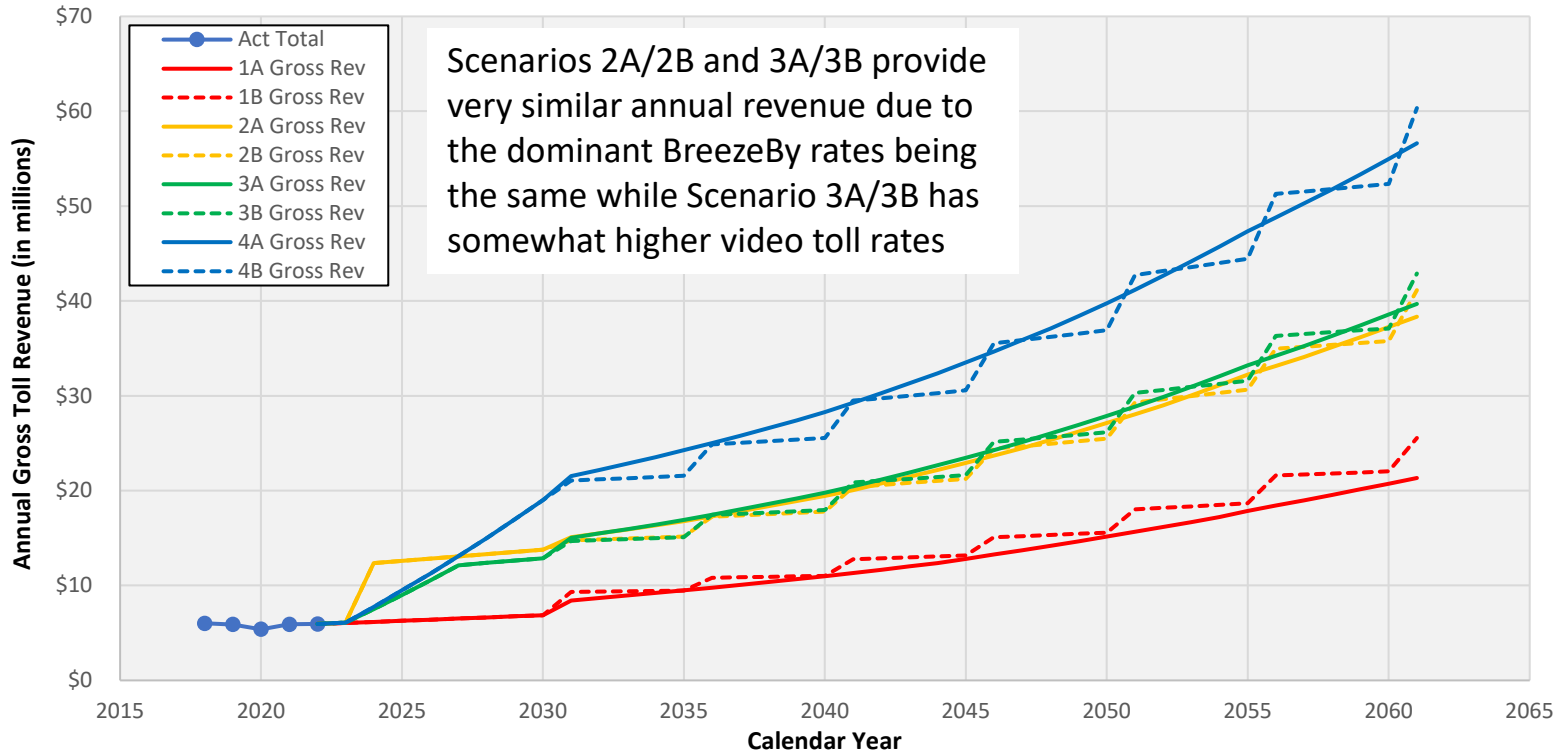
Traffic & Revenue Forecasting Assumptions

- Bridge replacement configuration, timing, and phasing
- Model years: 2019, 2031, 2040, 2055
- Tolling concept of operations, methods of payment
- Toll systems coordination - current system, ODOT system, WSDOT system
- Inflation
- Payment share assumptions

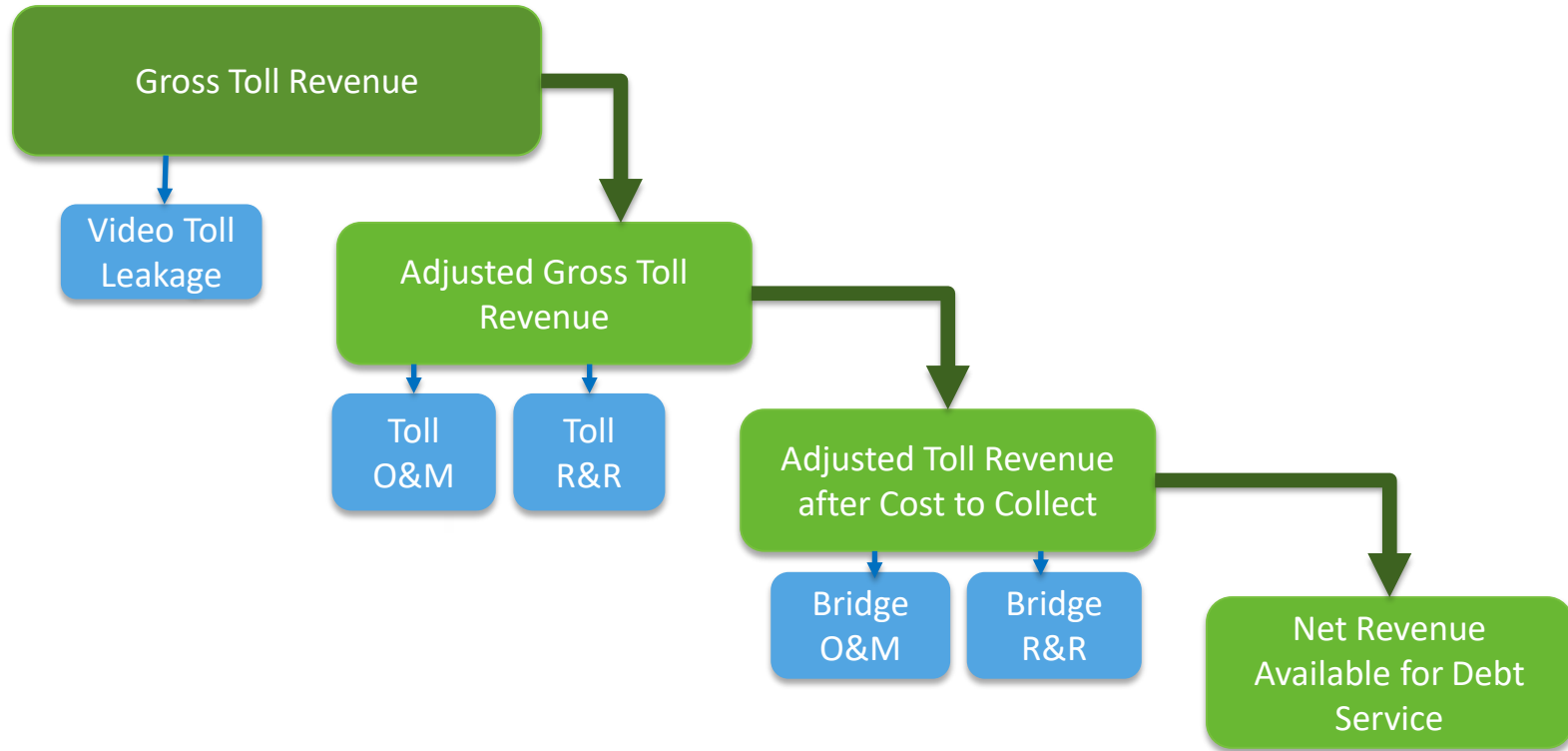
Annual Toll Transactions



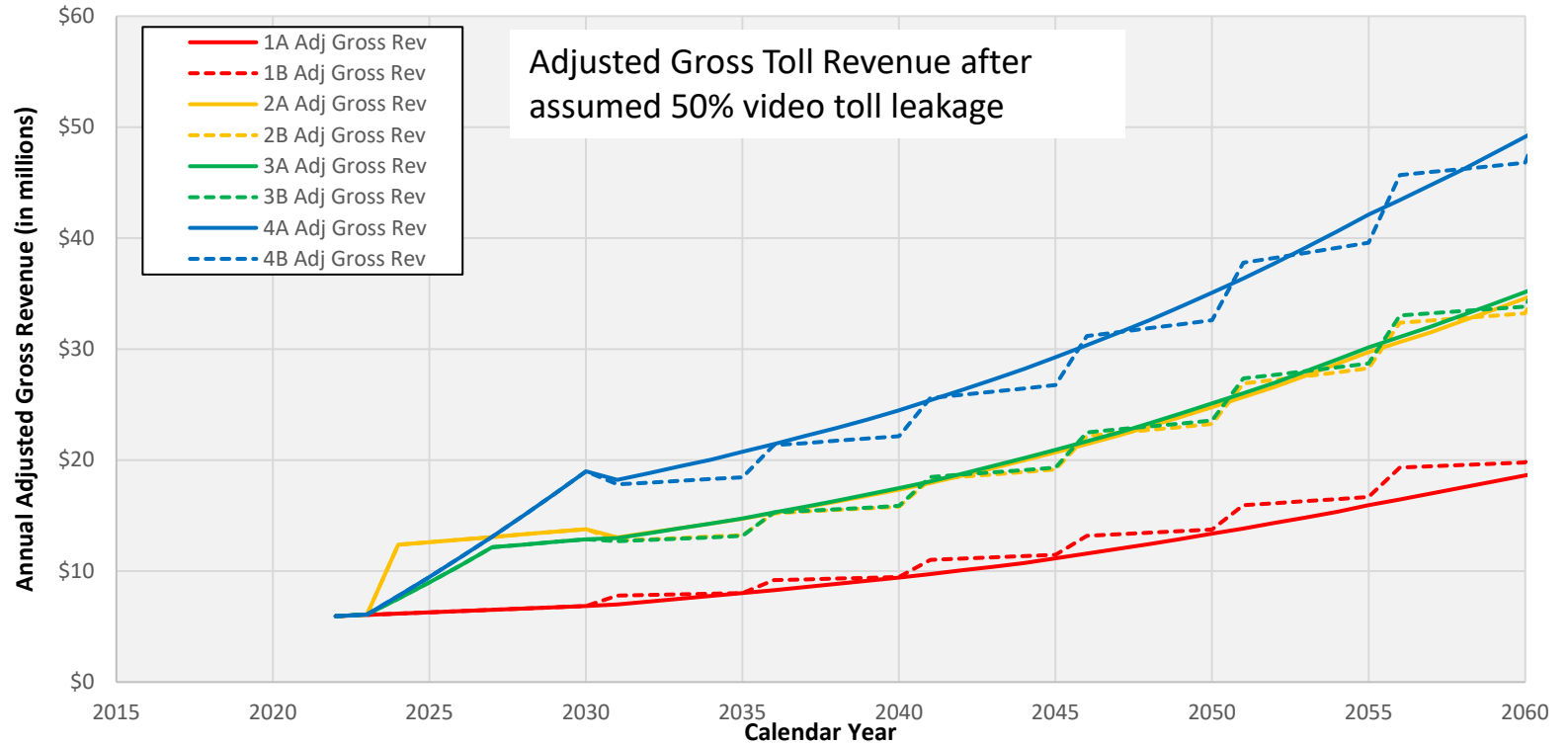
Annual Gross Toll Revenue



Gross Revenue to Net Available For Debt Service



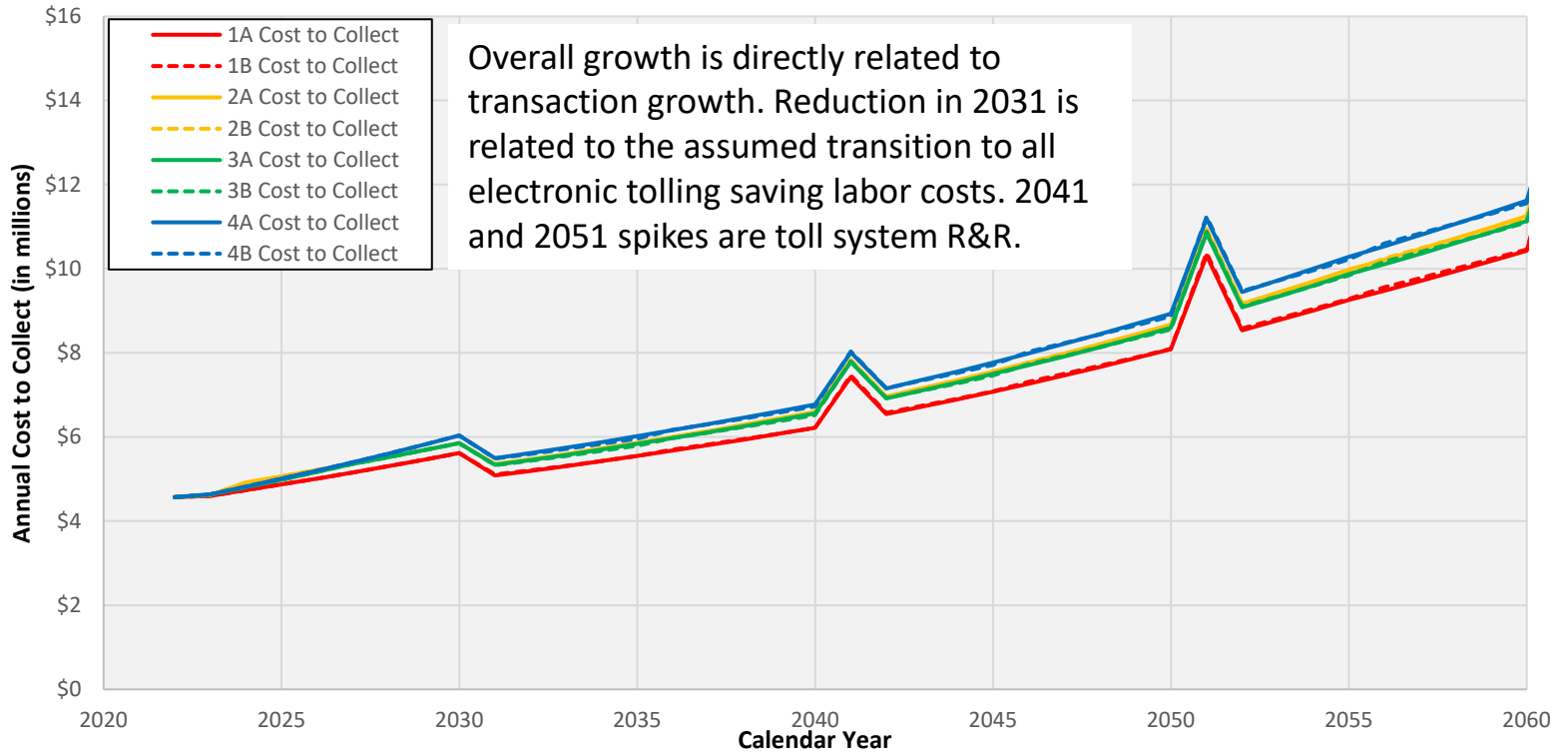
Annual Adjusted Gross Toll Revenue



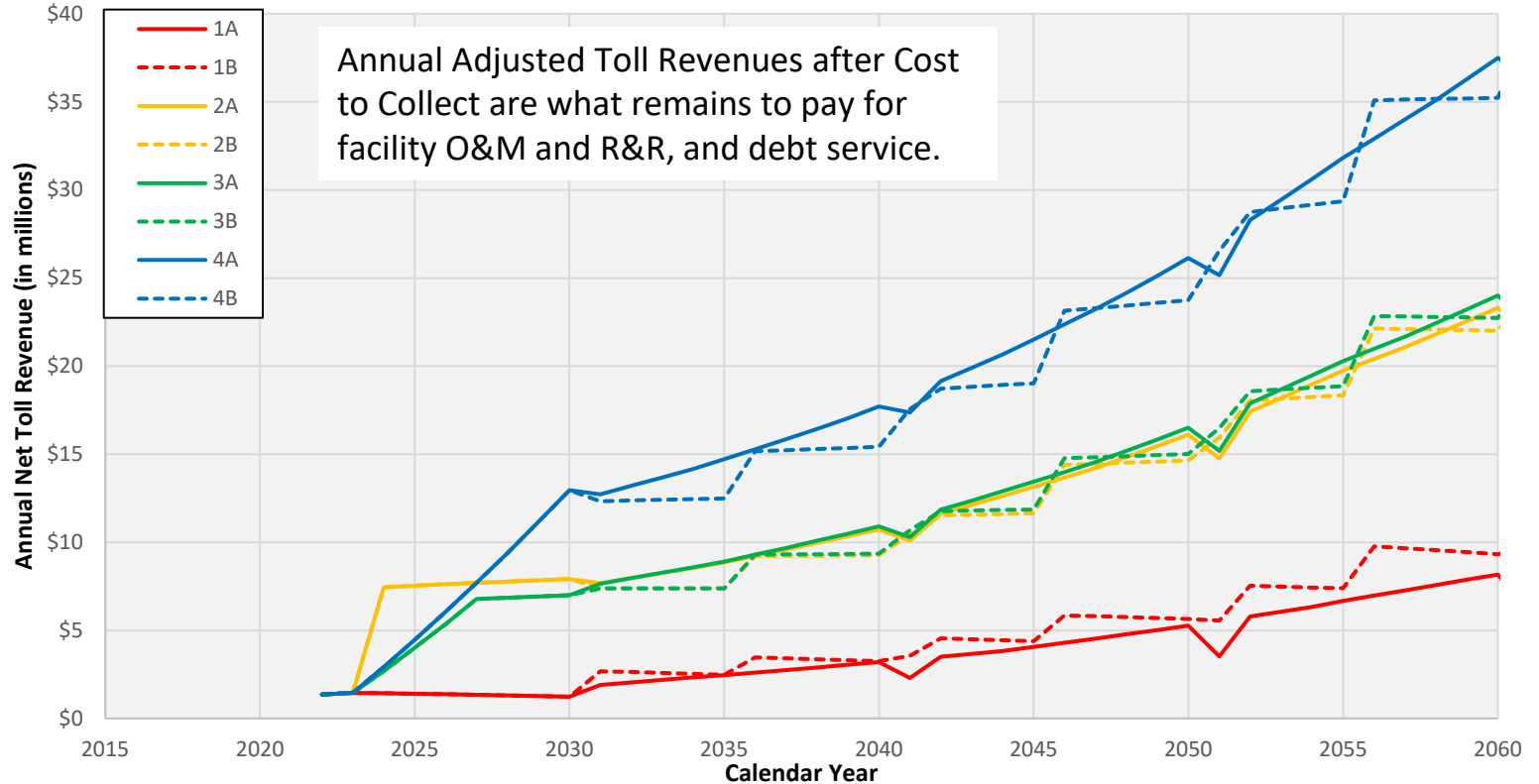
Adjusted Toll Revenue after Cost to Collect

- Cost to Collect Tolls
 - Toll system operations & maintenance (O&M) and repair & replacement (R&R) costs
 - Transaction processing, toll collectors (pre-completion) and support personnel, transponder costs, statement generation, and mailing costs
 - Credit card fees

Annual Cost To Collect



Annual Adjusted Toll Revenue after Cost to Collect





Preliminary Scenario Financial Capacity Analysis

Financial Capacity Analysis Assumptions

“BBB” Rated Bonded Debt

- Debt structure
 - Bonds issued at construction
 - Capitalized interest during construction for 3 years
 - Level debt service for 27 years
- Debt service interest rates
 - 5.08% interest rate
 - *Rates subject to change - current as of 2/28/2023*
- Required debt service coverage ratio
 - Assumed minimum 1.35x ratio of net revenues to bond debt service

Federal TIFIA Loan

- Debt structure
 - Issued as line of credit
 - Capitalized interest during construction
 - Debt service ramps up five years
 - Level debt service for 25 years
- Debt service interest rates
 - 3.93% interest rate
 - *Rates subject to change - current as of 2/28/2023*
- Required debt service coverage ratio
 - Assumed minimum 1.20x ratio of net revenues to TIFIA Loan debt service

Preliminary Financial Capacity (in millions of \$)

- Differences in estimated net revenues available for debt service from each tolling scenario results in a range of financial capacities for each financing option

- “BBB” Rated Bonded Debt

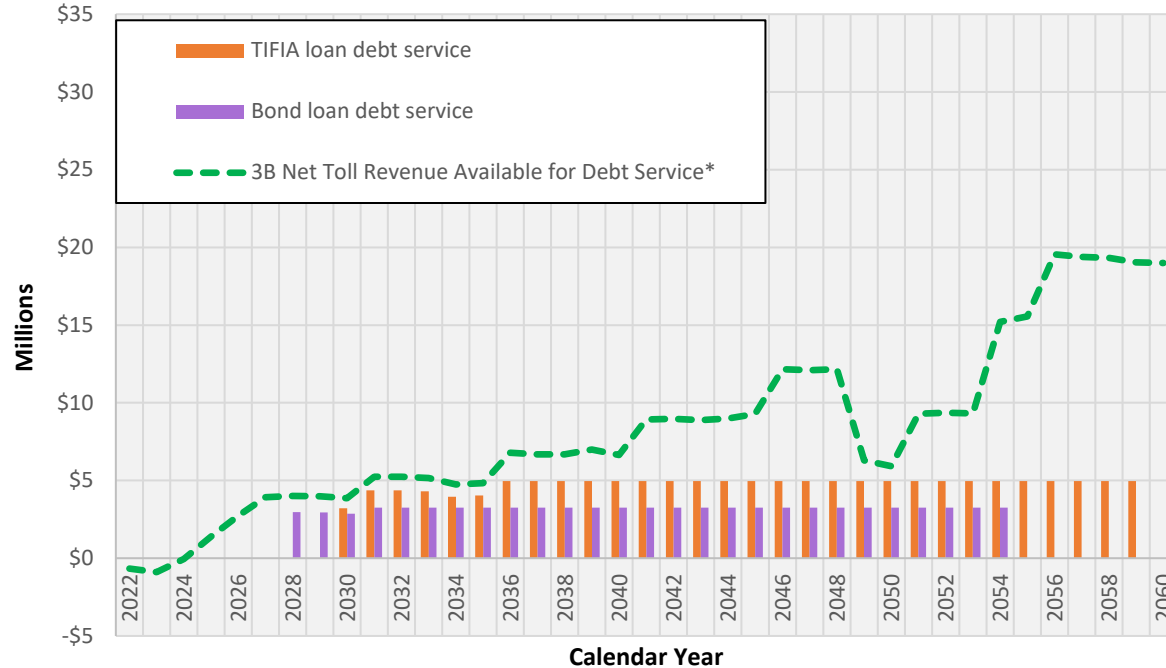
1A - \$0
1B - \$0
2A - \$45M
2B - \$45M
3A - \$40M
3B - \$40M
4A - \$75M
4B - \$70M

- Federal TIFIA Loan

1A - \$0
1B - \$0
2A - \$75M
2B - \$75M
3A - \$75M
3B - \$70M
4A - \$140M
4B - \$140M

Market Interest Rates as of 2-28-2023. Changes in market rates will change the results.

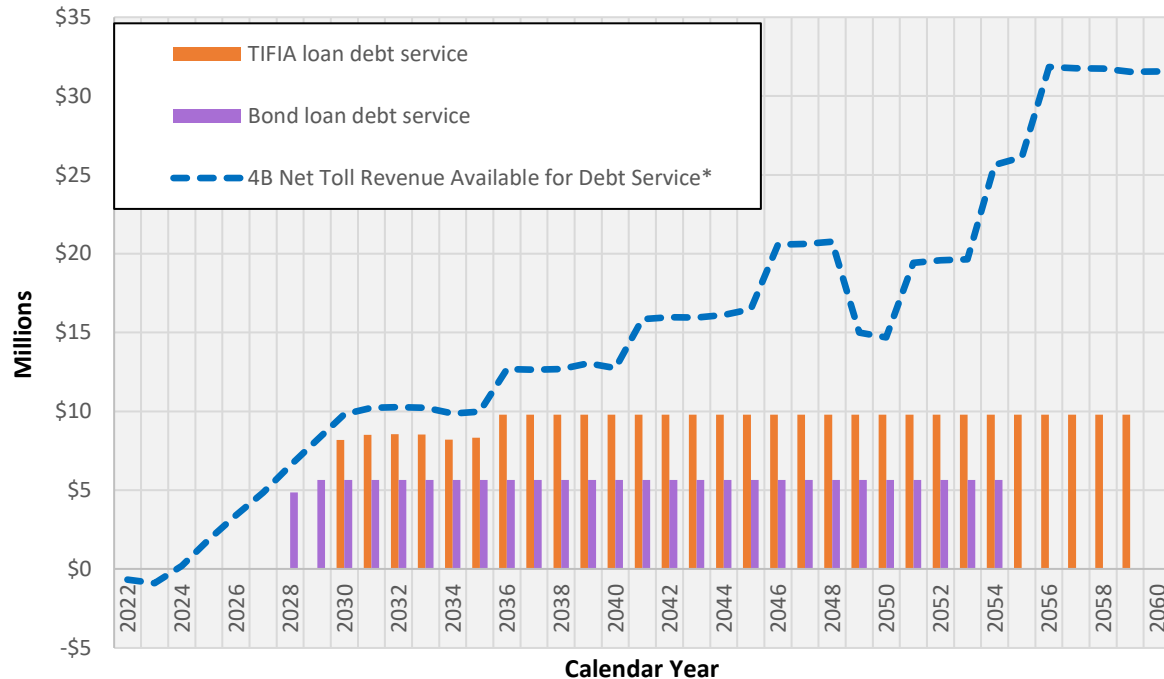
Net Revenue Available for Debt Service vs. Funding Needs – Scenario 3B



- Bridge O&M and R&R assumed to be funded before debt service due to standalone nature of facility and owner agency
- Net toll revenue available for debt service designed to exceed annual debt payments

* Net Toll Revenue Available for Debt Service = gross revenue adjusted for video leakage and net of cost to collect and bridge O&M and R&R

Net Revenue Available for Debt Service vs. Funding Needs – Scenario 4B



- Bridge O&M and R&R assumed to be funded before debt service due to standalone nature of facility and owner agency
- Net toll revenue available for debt service designed to exceed annual debt payments

* Net Toll Revenue Available for Debt Service = gross revenue adjusted for video leakage and net of cost to collect and bridge O&M and R&R



Final Two Scenario Recommendations

Input From Bi-State Working Group *(3-6-23 Meeting)*

- Support advancing bookend scenarios that approximate financing capacity (w/TIFIA Loan) of \$75 million and \$125 million
- Advance WSTC study scenarios based on two BSWG pre-completion toll scenarios:
 - BSWG Scenario 3 - \$1.75/\$3.50 in 2023 (no increase until bridge open)
 - BSWG Scenario 5 - \$2.00/\$3.00 in 2023 (no Increase until bridge open)
- Consider a toll rate bump with opening of the new facility
 - Possibly apply as means to achieve higher financing capacity
- Open to the \$2 toll rate differential between BreezeBy and video
- Preference for periodic escalation (ex: 15% every 5 years as opposed to annual escalation)
- Assume using TIFIA Loan funds starting in late 2028 / early 2029

DRAFT Considerations for Final Two Scenarios

- Funding / Financing Needs
 - Should toll rate scenarios attempt to bookend the estimated toll funding range?
- BreezeBy / Video Rate Differential
 - Should escalation be applied to video tolling rates or assume the \$2 differential? To which scenarios?
- Pre-Completion Toll Rates
 - Should the pre-completion options be revised to reflect the current direction from the Bi-State Working Group?
- BreezeBy Toll Rates / Escalation Amount
 - Should a larger escalation amount and/or rate increase upon bridge opening be applied to one of the final options to broaden distinction in revenue capacity?

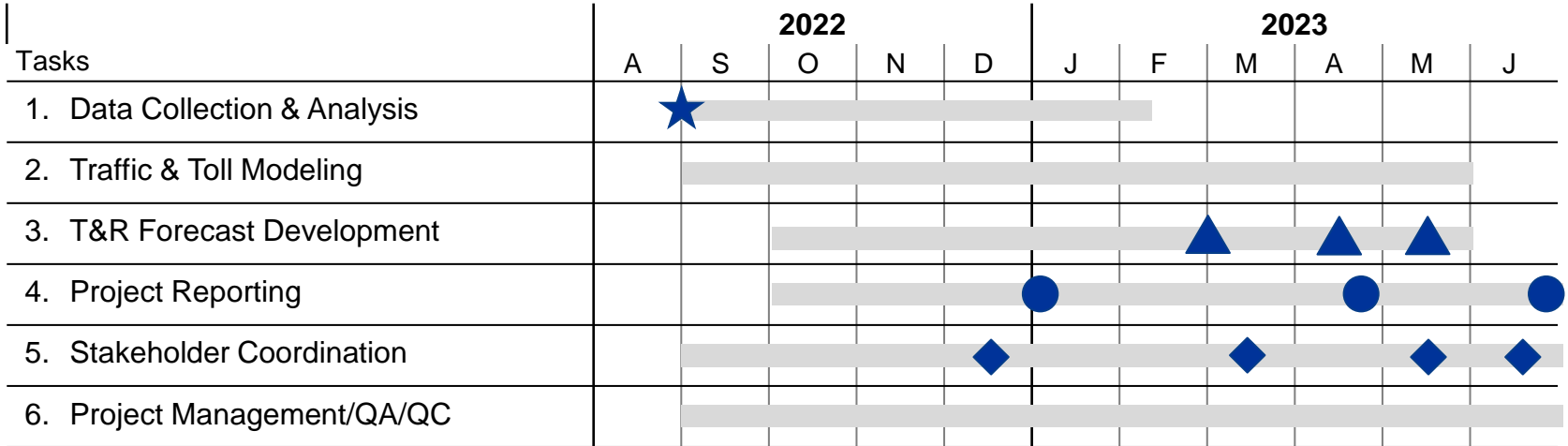
DRAFT Proposal: Final Tolling Scenarios

Existing Toll Rates	BreezeBy	\$1.00	
	Cash / CC	\$2.00	
		Scenario A	Scenario B
Pre-Completion (FY 24-30)		FY 24 Increase by \$0.75 for BreezeBy & \$1.50 for Cash	FY 24 Increase by \$1.00 for BreezeBy & Cash
FY 24	BreezeBy	\$1.75	\$2.00
	Cash / CC	\$3.50	\$3.00
FY 30	BreezeBy	\$1.75	\$2.00
	Cash / CC	\$3.50	\$3.00
Post Completion (FY 31-51)		15% Increase every 5 yr starting in FY 36 (BreezeBy)	15% Increase every 5 yr starting in FY 36
FY 31	BreezeBy	\$2.00	\$2.50
	Video	\$4.00	\$5.00
FY 51	BreezeBy	\$3.50	\$4.45
	Video	\$5.50	\$8.75
Estimated Financial Capacity Target		\$75 million	\$125 million



Next Steps / Workplan

Project Update - Schedule



Month	Key Milestones
Aug 2022	Notice To Proceed
Nov 2022	Potential Scenarios
Dec 2022	WSTC briefing, Report Outline
Mar 2023	Preliminary T&R forecasts (8 scenarios)

Month	Key Milestones
May 2023	Refined T&R forecasts (2 scenarios)
May 2023	Draft T&R Report
May 2023	WSTC meeting, final T&R forecasts
Jun 2023	WSTC meeting, final T&R Report

Questions / Contact:

Carl See

Deputy Director

Washington State Transportation Commission

seecarl@wstc.wa.gov

360-705-7070



1

Tribal Impact Table - Construction

	IDENTIFIED IMPACTS to TRIBAL RESOURCES/MEMBERS	MITIGATION COMMITMENT LOCATION/CATEGORY				
		NEPA	ESA	SEC. 106	TREATY	ROW
CONSTRUCTION	Temporary loss of fishing access				X	
	Potential loss of fishing gear due to construction				X	
	0.4 ac of temp construction easements (TFAS)					X
	Air, noise, visual impacts during construction	X	X	X		
	Increased safety issues due to in-water obstacles	X				
	Minor traffic congestion, delays and detours to in-lieu, TFAS	X				
	Potential fish exposure to contaminants	X	X			
	Vegetation and tree removal / Habitat Impacts	X				
Potential impacts to archaeological site(s)	X		X			



2

Tribal Impact Table - Operational

	IDENTIFIED IMPACTS to TRIBAL RESOURCES/MEMBERS	MITIGATION COMMITMENT LOCATION/CATEGORY				
		NEPA	ESA	SEC. 106	TREATY	ROW
OPERATIONAL	0.3 ac permanent easement (TFAS)				X	X
	Aerial easement over water (TFAS)				X	X
	Increase in debris, bike/ped observation	X				
	Lesser number of piers for anchoring nets	X			X	
	Stormwater runoff	X	X			
	Impacts to aquatic habitats	X	X			
	Glare and bridge lighting on environment	X	X			
	Visual and sound impacts to TCPs			X		



3

Phase 1 and Phase 2 Stipulations

Phase 1 – Section 106 MOA

- Conduct additional Traditional Cultural Property Inventory Work in this area including the development of a 10-99 Form to inform future management.
- Provide funds to commemorate Yakama Nations Culture. This work would specifically target visual and audible impacts of the project. This mitigation would include funds to develop artistic Yakama Nation displays or videography.
- Construct Bridge Piers to accommodate tribal fisherman
- Fund overall site monitoring which will allow for periodic project overview by Yakama Nation to understand any new impacts that may arise to tribal members during the construction of the project.

Phase 2 – Treaty Fishing Rights MOA

- Mitigate impacts to Fisheries Resources
- Include Yakama Nation programs in the shoreline restoration and stabilization efforts following the completion of the project.
- Compensate for lost fish to tribal members impacted.



4

Section 106 MOA - Mitigation

Phase 1. MOA

- Conduct additional Traditional Cultural Property Inventory Work in this area including the development of a 10-99 Form to inform future management.
Approximate Cost to Fund Yakama Nation

Minimal TCP documentation and developing a 10-99 form for submission \$15,000.00
 (Section 106 MOA Sec II.1.g.i)

- Provide funds to commemorate Yakama Nations Culture. This work would specifically target visual and audible impacts of the project. This mitigation would include funds to develop artistic Yakama Nation displays or videography.

Collect Historic Images, Interview, Shoot and Edit Video (PR Firm) \$30,000.00
Project Manager Fee to Coordinate Video Production (PR Firm) \$10,000.00
Produce Signage to Commemorate Yakama Nations connection (PR Firm) \$5,000.00
Yakama Nation Tribal and Staff Member Participation \$5,000.00
 (Section 106 MOA Sec II.1.g.ii)



5

Section 106 MOA - Mitigation

Phase 1. MOA

- Construct Bridge Piers to accommodate tribal fisherman
(Section 106 MOA Sec II.1.e) and (EIS Section 3.5 "Consult with Columbia River treaty tribes on pier design regarding tying up boats and gill nets." <https://cdxapps.epa.gov/cdx-enepa-II/public/action/eis/details;jsessionid=D9FFB4F3F05A93338FCF6791F437CA9A?downloadAttachment=&attachmentId=314182>)
- Fund overall site monitoring which will allow for periodic project overview by Yakama Nation to understand any new impacts that may arise to tribal members during the construction of the project.
(Section 106 MOA Sec III.3) and (Treaty Rights MOA Sec Terms 2.D.vii)

A one-year discretionary monitoring contract typically costs approximately \$250,000.00
(per my follow up conversation with Noah Oliver, reimbursement of tribal monitoring costs will best be accomplished by establishing a fund which can be charged against as necessary rather than calculating a single tribal employee cost)



6

Section 106 MOA - Mitigation

Phase II. MOA

- Mitigate impacts to Fisheries Resources (Treaty Rights MOA draft attached) and (EIS Section 3.17) <https://cdxapps.epa.gov/cdx-enepa-II/public/action/eis/details;jsessionid=D9FFB4F3F05A93338FCF6791F437CA9A?downloadAttachment=&attachmentId=314182>
- Include Yakama Nation programs in the shoreline restoration and stabilization efforts following the completion of the project. (Treaty Rights MOA See Terms 5.0)
- Compensate for lost fish to tribal members impacted. (Treaty Rights MOA See Terms 2.D.vi)



7

Treaty Fishing Rights (MOA)

The Memorandum of Agreement (MOA) is a collaboration between:

- Port of Hood River (POHR)
 - Confederated Tribes and Bands of the Yakama Nation (Tribe)
 - Federal Highway Administration (FHWA)
- **Collectively these participants are referred to as the "Parties"
- Draft Agreement proposing mitigation measures by the POHR and its successors

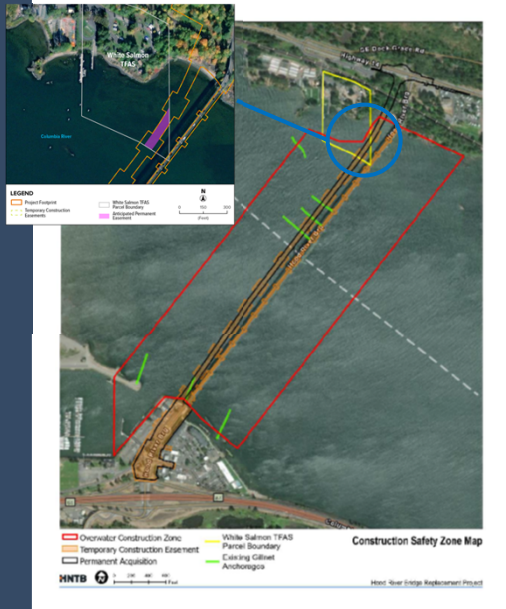
PURPOSE. The purpose of the MOA is to fully and fairly resolve the issues associated with potential Project impacts on the Tribe's rights and interests.

GOAL. The Parties' goal is to advance Project work and minimize the interference with Treaty-protected fishing rights.



8

Overwater Construction Safety Zone



In order to provide a safe environment for Tribal fishers, recreational users, and other non-project vessels during construction, a Construction Safety Zone will be established to provide separation between the active construction area and the public.

The Construction Safety Zone will be planned and established through coordination between Tribal representatives, POHR, and the Contractor.

It is anticipated there will be Permanent and Temporary impacts.



9

Operational Protocols

Operational Protocols will be developed by the Tribe and POHR for coordination of in-water construction, tug and barge movements, and Tribal activities. The protocols will be:

- Developed upon availability of sufficient design and construction phasing details
- Consistent with Treaty Rights MOA
- Consistent with POHR safety, security, and other operational requirements
- Updated as appropriate to capture revisions to the construction schedule or fish run information, but no less often than annually

Do the Tribe's have a proposed date or season for the annual revision?



10

Notifications & Coordination

- The POHR will coordinate with Columbia River Inter-Tribal Fish Commission (CRITFC) to post Construction Zone limits, provide a schedule of work activities on the CRITFC website, and notify the Tribe's fish committee.
- The POHR will provide construction work schedule updates to the Tribe at least twice monthly, and more frequently as appropriate.
- The Tribe will notify the POHR of the timing for opening of the Tribe's fishing season(s), including commercial, ceremonial, and subsistence fisheries.
- The Tribe will communicate information about the Construction Safety Zone to Tribal members and individuals licensed to fish under Tribal law.

Is 90 days prior to a fishery opening date feasible for notification to POHR?



11

Tribal Input And Participation

CONSTRUCTION SAFETY ZONE MITIGATION. Annual lump-sum payment to compensate fishers for gear moves, lost or damaged equipment, lost fishing time, fish that were not caught, and other impacts arising from the presence of the Construction Safety Zone. The payment will begin within sixty (60) calendar days of the first project construction contract issued by POHR. Afterward, the payment will be made annually. The annual payments will start with construction and end with the completion of the demolition of the existing bridge.

Does the Tribe have any history or records on Tribal fishing activity in the area that might assist in calculation of the mitigation payment?

SHORELINE RESTORATION. Tribal input on Project planning and design associated with construction and restoration activities involving riparian areas adjacent to the Columbia River.



12

Tribal Input And Participation

AESTHETICS. Tribal input on approaches for preservation and enhancement of fishing sites and opportunities and to participate in the Project’s Aesthetic Committee.

ANCHORAGE SITES. Tribal input on methods of replacement of lost net anchorage sites.

TRIBAL CONSULTING SERVICES REIMBURSEMENT. The Tribe will be reimbursed by the POHR for services performed by Tribal staff throughout the Project.

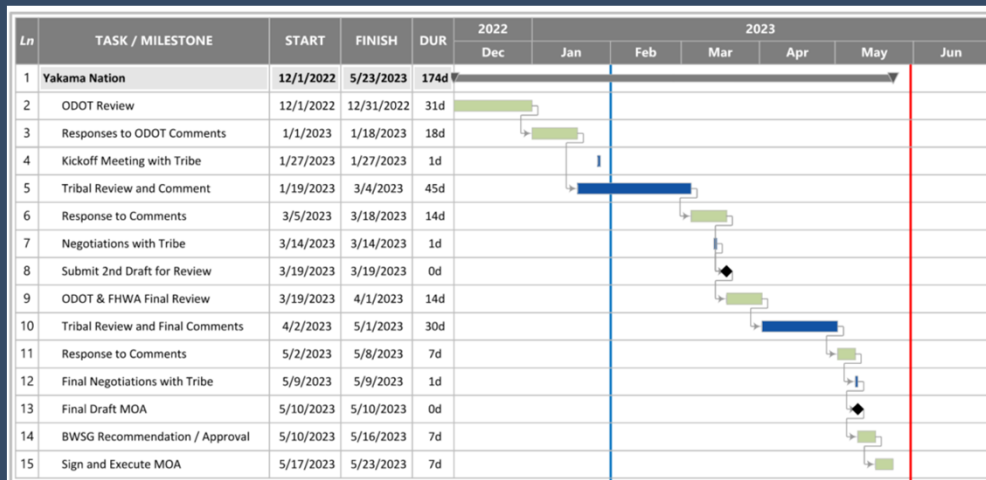
LEAD AND DESIGNATED REPRESENTATIVES. The Lead Representative will be the Tribe’s Chairperson.

Who will be the Tribe’s Designated Representative?



13

MOA Schedule



14



SUMMIT
STRATEGIES

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Ryan Vislosky
Legislative Assistant
ryanv@summitstrategies.us



PORT OF HOOD RIVER/BSWG

Represented By:

Kevin Greenwood, Executive Director, Port of Hood River

Accompanied by Hal Hiemstra, Partner, Summit Strategies Govt Affairs - 202-494-3104

PNWA Events in Blue

MARCH 20-24, 2023

MONDAY, MARCH 20, 2023

8:00 AM – 1:00 PM SPEAKER PRESENTATIONS

1:15 PM – 2:15 PM INLAND PORTS AND NAVIGATION GROUP (IPNG MEETING)

TUESDAY, MARCH 21, 2023

8:00 AM – 1:00 PM SPEAKER PRESENTATIONS

6:00 PM – 8:00 PM TASTE THE NORTHWEST RECEPTION

8:30 PM **DINNER AT LE DIPLOMATE**
1601 14TH ST NW
WASHINGTON, DC 20009
RESERVATION UNDER HAL HIEMSTRA

WEDNESDAY, MARCH 22, 2023

9:00 AM – 12:30 PM MEETINGS WITH NORTHWEST SENATE DELEGATION

3:30 PM **MEETING WITH BUILD AMERICA BUREAU**
1200 NEW JERSEY AVENUE, SE
WASHINGTON, DC 20590

3/16/2023 9:38 PM



**SUMMIT
STRATEGIES**

440 1st Street NW, Suite 440
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Ryan Vislosky
Legislative Assistant
ryanv@summitstrategies.us

THURSDAY, MARCH 23, 2023

8:00 AM – 5:30 PM MEETINGS WITH NORTHWEST HOUSE DELEGATION

FRIDAY, MARCH 24, 2023

WEDNESDAY, MARCH 29, 2023

11:00 AM MEETING WITH CINDY CALLAHAN, ENVIRONMENTAL SPECIALIST, FHWA, NANCY MUNN,
ASSISTANT REGIONAL ADMINISTRATOR, AND JUSTIN YEAGER, BRANCH CHIEF, NOAA FISHERIES
ZOOM MEETING



MEETING SUMMARY NOTES

**SUBJECT: Hood River – White Salmon Bridge Replacement Project – Tribal Mitigation Discussion
Confederated Tribes and Bands of the Yakama Nation**

LOCATION: Teams Meeting

DATE: February 28, 2023

Time: 12:00 PM

Attendees: Yakama Nation – Marcus Shirzad (Tribal Counsel), Noah Oliver (Cultural Resources Program)

Federal Highways Administration (FHWA) – Misty Thorsgood (Env. Protection Specialist)

Oregon Department of Transportation (ODOT) – Roy Watters (Archaeologist and Tribal Liaison)

**Port of Hood River – Mike Fox (Port commissioner and member of Bi State Working Group),
Michael Shannon (HNTB -Bridge Project Director), Brian Carrico (WSP – NEPA
Consultant), Lonny Macy? (Acana – consultant to Port)**

Introductions: Roy Watters lead the group in introductions.

Mike Shannon and Roy reviewed the attached presentation regarding impacts and the proposed Section 106 and Tribal fishing MOAs.

Marcus indicated appreciation for the MOAs and it is good starting point. This is often the most difficult part. Revisions and input will be needed from the Yakama Tribe. He appreciated the attention paid to safety.

Roy explained the Section 106 agreement status and next steps including Oregon SHPO and DAHP review. For the TCP Roy indicated that the project will need some documentation from the Yakama about the extent and nature of the TCP for DAHP and that we are having a No Adverse Effect on the TCP. Noah stated that DAHP has not previously required detailed documentation of TCPs and that Noah will work with us and DAHP to resolve.

Noah explained that it is their responsibility to protect tribal members and tribal interests. The safety zone is important but is a new item and has an impact. He noted tribal members and families traveling to the area to fish (commercially, culturally and for subsistence purposes) and not being able to fish in their accustomed spots. This has



an impact that has not been previously contemplated and should be in the 106 agreement. Note: the safety zone will be reduced to fit within the Section 106 Area of Potential Effects (APE) as impacts within the overwater portion of the APE have been part of our ongoing discussions with Yakama, other Tribes, and consulting parties.

Marcus said he has seen the use of safety zones in other projects and understands why the project has proposed the safety zone designation to address safety of fishers.

Noah noted that the definition of a TCP is broad in Bulletin 38 (from NPS). Noah noted that the Section 106 MOA should have reference to the Tribal fishing MOA. Roy replied they have not included reference to the Tribal fishing MOA in the Section 106 MOA. Not all types of impacts and proposed mitigation are directly tied to Section 106 properties. This is why we have agreed to using the two-Phase approach to mitigation and split the mitigation between to MOAs. We will not be able to get our Section 106 MOA through FHWA, ODOT and SHPO legal reviews if we include all the mitigation items within the Section 106 MOA.

Noah stated that the Tribal fishing MOA will need to be approved concurrent with final approval of the 106 MOA. Once we have finalized the Phase I mitigation items, he agreed to provide provisional approval to the Section 106 MOA so ODOT can keep it moving through DAHP and legal reviews.

Commissioner Fox noted that we should work to get them both done on the same timeframe so that signatures can be added and there would be no question. It was agreed that this would be what the group would work towards. Roy expressed concern about the linkage as we had previously discussed a two-Phase mitigation approach using two MOAs so as to keep the Section 106 MOA moving to final signature.

Marcus asked about the status of the Bi-State Bridge Authority. Commissioner Fox provided a summary of the status of the formation agreement, membership of new authority and how members are selected. Commissioner Fox indicated that the bridge authority would honor agreements made by the Port for the bridge replacement. The authority is expected to be active on September 1, 2023.

A discussion of workforce participation in the bridge project was discussed and Michael Shannon extended an offer for tribal participation in those discussions.

Marcus and Noah indicated that they will distribute the fishing MOA to their internal reviewers immediately and ask for feedback by March 10th. A follow up meeting will be scheduled in two weeks with this team to review.

Commission Memo



Prepared by: Kevin Greenwood, Exec. Dir.
Date: March 21, 2023
Re: HNTB Amendment No. 3

Based upon the Bi State Working Group's (BSWG) analysis on the project delivery approach for bridge replacement, HNTB is requesting to move budget authority from preliminary engineering (Task 11) to the development of progressive design build (PDB) procurement documents (Task 13). This amendment would result in a zero net change to the contract budget.

Attached to this memo are the following:

1. Amendment No. 3; and
2. Exhibit A: Amendment 3 Detailed Work Plan Dated March 15, 2023; and
3. Exhibit B: Amendment #: 03 Revised Budget Dated February 1, 2023.

This item is included on the Port Commission's March 21st Regular Meeting Agenda for adoption. The Commission requests a recommendation from the BSWG on contract issues prior to deciding.

CONSENSUS RECOMMENDATION: Approval of Amendment No. 3 with HNTB for consulting services related to bridge replacement.

**PORT OF HOOD RIVER
ENGINEERING AND RELATED SERVICES CONTRACT
Contract Number: POHR 2022-01
AMENDMENT No. 03**

This Amendment No. 03 (the “**Amendment**”) to the Port of Hood River Engineering and Related Services Contract No. 2022-01, dated July 12, 2022 (the “**Agreement**”) is entered into between the Port of Hood River and HNTB Corporation, a Missouri Corporation (collectively, the “**Parties**”).

RECITALS

WHEREAS, the original Engineering and Related Services Contract was for \$1,739,908 and expires December 31, 2026; and

WHEREAS, Amendment No. 1 approved October 18, 2022, added \$2,534,069 for completing project delivery analysis, geotechnical work, preliminary engineering and increasing two HNTB staff to full time to work on the project; and

WHEREAS, Amendment No. 2 approved January 10, 2023, added \$1,204,134 for increased marketing/communications, financial modeling, grant writing and ongoing environmental coordination with tribes/agencies; and

WHEREAS, based upon a project delivery analysis there is a need to move budget authority from preliminary engineering (Task 11) to developing the Progressive Design Build procurement (Task 13); and

WHEREAS, this amendment allows for changes to the Statement of Work (Exhibit A), but does not include an increase in contract budget; and

NOW, in consideration of the mutual promises contained herein, and for good and valuable consideration, the Parties agree as follows:

AGREEMENT:

1. **Exhibit A:** The Parties hereby replace Exhibit A with the “Amendment 3 Detailed Work Plan Dated March 15, 2023” Exhibit A attached hereto.
2. **Exhibit B:** The Parties hereby add Exhibit B with the “Amendment #:03 Revised Budget Dated February 1, 2023” attached hereto.
3. There is no contract budget change due to this Amendment.
4. **REMAINING CONTRACT PROVISIONS.** Except as specifically modified by this Amendment, the Parties understand and agree that all provisions of the Agreement remain in full force and effect.

SIGNATURES:

HNTB Corporation Inc.
777 108th Ave. NE, Ste. 1000
Bellevue, WA 98004
(425) 455-3555

Thomas Schnetzer, NWD Operations Date
& Delivery Officer

Port of Hood River
1000 E. Port Marina Drive
Hood River, OR 97031
(541) 386-1645

Kevin M. Greenwood, Executive Director Date

Approved for Legal Sufficiency

William J. Ohle, Port Counsel Date

AMENDMENT 23 DETAILED WORK PLAN

Dated ~~January 09~~March 15, 2023

HNTB JOB #74620 / POHR #2022-01

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INTRODUCTION

This Detailed Work Plan is incorporated into Exhibit A, Statement of Work, to the Port of Hood River Contract Number: POHR 2022-01 (“Contract”) between the Port of Hood River (“AGENCY”) and HNTB Corporation (“CONSULTANT”) to provide strategic program management and related services (the SERVICES), for the planning, design, and construction of a replacement structure for the Port of Hood River Bridge (the PROJECT).

FUNCTION AND PURPOSE OF THE DETAILED WORK PLAN

The function and purpose of the Detailed Work Plan is as stated in Exhibit A to the Contract. Internally and through third-party consultants, the AGENCY has developed and will continue to develop PROJECT related documents, materials and other technical information that will be available to CONSULTANT during the term of this Contract. Subject to the CONSULTANT’S Professional Standard of Care, the AGENCY represents that the CONSULTANT shall have the right to rely on the accuracy and completeness of any documents or other materials provided by AGENCY and other participants on the PROJECT to the CONSULTANT and that CONSULTANT’s use of such documents and material will not infringe upon any third parties’ rights.

CONSULTANT DELIVERABLE STANDARDS

The CONSULTANT shall provide the following types of deliverables in the format, quantity, and timeframes stipulated below, unless otherwise defined in a task:

- Agendas – submit at least one (1) business day before scheduled meetings or workshops – one (1) electronic copy in Microsoft Word format
- Meeting Minutes – submit within three (3) business days following the meeting, workshop, or other event – one (1) electronic copy in Microsoft Word
- Other Documents – submit one (1) electronic copy in Microsoft Word format
- Unless stated otherwise in this Scope of Work, deliverables will first be submitted by CONSULTANT to AGENCY as drafts for AGENCY review and comment, with one (1) review of each draft by AGENCY, and then a final submittal that incorporates AGENCY’s comments, subject to one (1) additional review by AGENCY and adjustment by CONSULTANT
- AGENCY will have a reasonable time to review and provide comments on CONSULTANT’s deliverables that are reviewed within AGENCY with the understanding that Agency does not have control over others outside the AGENCY. Consultant shall not be responsible for unreasonable AGENCY or other reviews outside of Consultant’s control. AGENCY and CONSULTANT will identify anticipated reviewers and timelines when planning the schedule and work plan for each deliverable

GENERAL PROVISIONS

- Workshops – in addition to the number of CONSULTANT attendees identified in the Tasks below, up to one (1) facilitator and one (1) designated notetaker will also attend meetings or workshops as agreed between AGENCY and CONSULTANT
- Development and preparation of Meeting Agenda, Material, Notes and Action Items shall average of one (1) hour per meeting for each CONSULTANT attending
- Development and preparation of Meeting Agenda, Material, Notes and Action Items shall average of one (1) hour per meeting for each CONSULTANT attending. Meetings, Workshops and Trainings will have a virtual and in-person option, with 50% of meetings

in person for estimating. Video/phone conference format of meetings shall mean either Microsoft Teams, WebEx programs, or other format agreed to by the participants.

DETAILED WORK PLAN – YEAR 1

TASK 1 – PROJECT MANAGEMENT

The CONSULTANT shall actively coordinate with AGENCY and manage all aspects of the CONSULTANT's SERVICES such as identifying and resolving issues in a timely manner.

Subtask 1.1 – Project Management

Conditions:

- One (1) CONSULTANT project review per month will be attended by up to two (2) CONSULTANT staff and average one (1) hour.
- Monthly update meetings with AGENCY will be attended by up to six (6) CONSULTANT, including sub-consultant, staff and average one (1) hour.
- Monthly CONSULTANT Team Leader meeting will be attended by up to eight (8) CONSULTANT, including sub-consultant, staff and average one (1) hours.
- The Initial PMP will be provided to AGENCY for review.
- The Initial PMP will be updated in future Detailed Work Plans as the Project is further defined.
- The labor expense details for this scope item include hours for CONSULTANT staff to perform general management of the Project and CONSULTANT team. These hours are in addition to the performance of the deliverables outlined above.

Activities:

The CONSULTANT shall perform the following in support of the SERVICES:

- Manage, administer, and coordinate CONSULTANT activities.
- Manage the scope, schedule, and budget as provided in this Detailed Work Plan.
- Coordinate and meet with AGENCY in meetings to discuss and plan key activities and issues related to project scope, schedule, and budget.
- Prepare an Initial Project Management Plan (PMP). The Initial PMP will include the following:
 - Roles and Responsibilities for AGENCY and CONSULTANT team
 - Work Breakdown Structure (WBS)
 - Components: Work Plan, Project Quality Plan, Risk Management Plan, Change Management Plan, Communication Plan, Document Control Plan, Project Controls Management Plan
- Develop a CONSULTANT Communication Plan that describes how AGENCY and CONSULTANT team will communicate and coordinate with each other and with outside agencies to manage and implement CONSULTANT's work. The CONSULTANT shall conduct one project review each month with the CONSULTANT Principal in Charge or their designee. The meeting will address the CONSULTANT team's performance of scope, schedule, budget, and quality.
- Maintain an Action Items Log of current action items, technical issues requiring resolution and documentation of the decisions

Deliverables:

- 1.1.1. Initial Project Management Plan (PMP) due 09/30/2022.
- 1.1.2. Action item log updated Monthly.
- 1.1.3. Director Update's - Meeting Materials as per CONSULTANT DELIVERABLE STANDARDS.
- 1.1.4. CONSULTANT Team Lead's - Meeting Materials as per CONSULTANT DELIVERABLE STANDARDS.
- 1.1.5. Monthly Project Review - Meeting Materials as per CONSULTANT DELIVERABLE STANDARDS.

Subtask 1.2 – Chartering Workshop

Conditions:

- The workshop will be attended by up to eight (8) CONSULTANT staff, including sub-consultants, and will last up to four (4) hours.
One (1) workshop preparation meeting will be attended by up to eight (8) CONSULTANT staff, including sub-consultants, and will last up to one (1) hour each.

Activities:

The CONSULTANT shall perform the following in support of the SERVICES:

- Facilitate and participate in a workshop with AGENCY leadership team, BSWG and Port of Hood River Commission to align the PROJECT purpose, establish consistent goals and develop a process/milestone schedule and decision-making matrix.
- Identify strategies the AGENCY should use in evaluating and making decisions about funding opportunities and delivery method
- Engage AGENCY leadership in setting the overall direction for the bridge replacement and to define clear project definition and decision making.

Deliverables:

- 1.2.1. ~~Agenda and Meeting Materials (Agenda, Notes, Action Items)~~ as per CONSULTANT DELIVERABLE STANDARDS.
~~1.2.1. Meeting Notes and Action items as per CONSULTANT DELIVERABLE STANDARDS.~~

Subtask 1.3 – Document Control

Conditions:

- The Initial Document Control Plan will be provided to AGENCY for review.
- The Initial Document Control Plan will be updated in subsequent Detailed Work Plans as the PROJECT and associated document types are better defined.

Activities

The CONSULTANT shall perform the following in support of the SERVICES:

- Develop an Initial Document Control Plan as part of the PMP described in Subtask 1.1 that outlines an electronic folder structure to be used by CONSULTANT for PROJECT-related documents. The Plan will also identify procedures CONSULTANT will use for the storage and management of public and non-public documents.

- Manage, establish, organize, implement, and update an electronic document control system for use by the AGENCY, CONSULTANT and subconsultant staff for the PROJECT, consistent with the Initial Document Control Plan. This system will organize, and store PROJECT-related documents being produced or received by CONSULTANT.
- Provide access to this document control system for AGENCY staff as requested by AGENCY.
- Provide one training session, up to one (1) hour in duration, to AGENCY and twenty (20) CONSULTANT staff for implementing the Document Control Plan and using the system.

Deliverables:

- 1.3.1. Initial Document Control Plan due 09/30/2022.
- 1.3.2. Implement & Update Document Control System.
- 1.3.3. Training on Document Control System no later than 09/30/2022.

Subtask 1.4 – Project Debriefs (Existing Contracts)

Conditions:

- The CONSULTANT will work with the AGENCY to identify the AGENCY’s current consultant contracts for coordination
- Meetings with AGENCY and five (5) of the AGENCY’s existing consultants will be attended by up to three (3) CONSULTANT, including sub-consultant, staff and will last for four (4) hours.
- CONSULTANT will schedule and attend meetings as requested by the AGENCY

Activities:

The CONSULTANT shall perform the following in support of the SERVICES:

- Attend debriefing meetings and events to coordinate with AGENCY and AGENCY’s other consultants performing work related to the PROJECT to inform the CONSULTANT of the project status and existing challenges and opportunities

Deliverables:

~~1.4.1. Agenda and Meeting Materials as per CONSULTANT DELIVERABLE STANDARDS.~~

~~1.4.2. 1.4.1. Meeting(Agenda, Notes and, Action items/items) as per CONSULTANT DELIVERABLE STANDARDS.~~

Subtask 1.5 – Contract Administration

Conditions:

- The labor expense details for this scope item include certain hours for CONSULTANT staff to perform general contract administration for the CONSULTANT team. These hours are in addition to performance of the activities described below

Activities:

The CONSULTANT shall perform the following in support of the SERVICES:

- Coordinate, execute, and manage CONSULTANT and sub-consultant agreements
- Monitor CONSULTANT and sub-consultant budget and schedule performance
- Communicate and meet with CONSULTANT task leads and sub-consultants to review and update work progress related to scope, schedule, budget
- Track and monitor CONSULTANT and sub-consultant schedule performance and meet with CONSULTANT task leads and sub-consultants to review and update work progress related to scope, schedule, budget
- Update reports with CONSULTANT and sub-consultant actuals, percent complete, and forecasted related to scope, schedule, budget
- Establish Work Breakdown Structure (WBS) and reporting templates to actively track and manage CONSULTANT and sub-consultant budgets and costs
- Document, track, and report on PROJECT changes related to budget with HNTB's Project Manager, Deputy Project Manager, and AGENCY, as needed
- Update CONSULTANT and sub-consultant agreements as PROJECT progresses
- Update WBS and cost reporting templates as PROJECT progresses

Deliverables:

1.5.1. Contract Administration Services throughout the Term of the Contract.

Subtask 1.6 – Invoicing & Progress Reporting

Conditions:

- Monthly invoices will be submitted for the duration of this Detailed Work Plan.

Activities:

The CONSULTANT shall perform the following in support of the SERVICES:

- Manage and develop invoicing and reporting guidelines per AGENCY invoicing policies
- Update and submit monthly invoice documenting services performed by the CONSULTANT and its sub-consultants
- Meet with subconsultants, as needed, for adherence to invoicing and reporting guidelines
- Update and submit monthly progress report detailing, in written form, services completed during the invoicing period
- Update invoicing and reporting guidelines as PROJECT progresses

Deliverables:

- 1.6.1. Monthly invoice
- 1.6.2. Invoicing guidelines and workflow due 08/31/2022.
- 1.6.3. Monthly progress report

Subtask 1.7 – Meetings

Conditions:

- Bi-State Working Group will be attended monthly on average by up to two (2) CONSULTANT staff, including sub-consultants, and will last up to two (2) hours.
- Port Commission Meetings will be attended semi-monthly on average by up to two (2) CONSULTANT staff, including sub-consultants, and will last up to two (2) hours
- Key Stakeholders will be attended Monthly on average by up to four (4) CONSULTANT staff, including sub-consultants, and will last up to one (1) hour
- Regional/Local regulatory agencies will be attended monthly on average by up to four (4) CONSULTANT staff, including sub-consultants, and will last up to one (1) hours
- State Elected Officials of Oregon and Washington Meetings that will be attended quarterly on average by up to two (2) CONSULTANT staff, including sub-consultants, and will last up to one (1) hour

Activities

The CONSULTANT shall perform the following in support of the SERVICES:

- Participate in meetings with the following:
 - Bi-State Working Group
 - Port Commission
 - Key Stakeholders
 - State/Regional/Local Regulatory Agencies
 - State/National Elected Officials for Oregon and Washington

Deliverables:

- 1.7.1. ~~Agenda and~~ Bi-State Working Group Meeting Materials (Agenda, Notes, Action Items) as per CONSULTANT DELIVERABLE STANDARDS.
- 1.7.2. Port Commission Meeting Materials (Agenda, Notes and, Action Items) as per CONSULTANT DELIVERABLE STANDARDS.
- 1.7.3. Key Stakeholders Meeting Materials (Agenda, Notes, Action Items) as per CONSULTANT DELIVERABLE STANDARDS.
- 1.7.4. State/Regional/Local Regulatory Agencies Meeting Materials (Agenda, Notes, Action Items) as per CONSULTANT DELIVERABLE STANDARDS.
- 1.7.5. State/National Elected Officials Meeting Materials (Agenda, Notes, Action Items) as per CONSULTANT DELIVERABLE STANDARDS.

TASK 2 – RISK MANAGEMENT

Subtask 2.1 – Risk Management Plan

Conditions:

- The Risk Management Plan will incorporate work already performed by the AGENCY and expand based on project progress and updated project information.

Activities:

The CONSULTANT shall perform the following in support of the SERVICES:

- Develop a Risk Management Plan as part of the PMP described in Subtask 1.1 after the initial Risk Management workshop is completed. The Risk Management Plan will include the following:
 - Identification and ranking of project risks in a risk register that summarizes the nature and occurrence of each risk.
 - A risk action plan that can be used as an ongoing management tool that identifies at least one person from CONSULTANT or AGENCY who will lead the management of each risk and the actions and timelines necessary for managing the risk.
- Review the risk evaluation progress to date, expand to include more detailed risk evaluation and mitigation strategies and set the basis of the risk register

Deliverables:

2.1.1. Initial Risk Management Plan due 09/30/2022.

Subtask 2.2 – Risk Workshop

Conditions:

- The Risk Management Workshop will be attended by AGENCY staff and up to twelve (12) CONSULTANT, including sub-consultant, staff. The workshop will last up to four (4) hours.
- CONSULTANT will schedule the workshop.

Activities:

The CONSULTANT shall perform the following in support of the SERVICES:

- Facilitate and participate in a Risk Management Workshop to document and update AGENCY's risk evaluation activities to date.
- Draft preliminary list of risk factors.

Deliverables:

2.2.1. Preliminary list of risk factors due 08/31/2022.

~~2.2.2. Agenda and Meeting Materials as per CONSULTANT DELIVERABLE STANDARDS.~~

~~2.2.3. 2.2.2. Meeting (Agenda, Notes and Action items) as per CONSULTANT DELIVERABLE STANDARDS.~~

Subtask 2.3 – Risk Register

Conditions:

- CONSULTANT team will track and update the risk register six (6) times per year. A meeting will be held with the AGENCY staff and up to two (2) CONSULTANT, including sub consultant, staff and average one (1) hour.
- Risk reviews, monitoring and risk register updates average 2 days per month.

Activities:

The CONSULTANT shall perform the following in support of the SERVICES:

- Develop and maintain the project risk register
- Develop a risk register log that will identify/list project risks
- Establish a risk order (highest risk to lowest risk)
- Assign probabilities of risk occurring both in cost and schedule
- Evaluate and assign potential costs and/or schedule impacts of the risk
- Update Risk Register on a monthly basis
- Update risk register with Delivery Method Selection process

Deliverables:

2.3.1. Risk Register due 08/31/2022.

2.3.2. Maintain and update Risk Register at least quarterly.

2.3.3. Risk Review ~~Meetings as per CONSULTANT DELIVERABLE STANDARDS~~ Workshops.

~~2.3.4. Agenda and Meeting Materials as per CONSULTANT DELIVERABLE STANDARDS.~~

~~2.3.5.~~ ~~2.3.4. Meeting~~ (Agenda, Notes and Action items as per CONSULTANT DELIVERABLE STANDARDS.

Subtask 2.4 – Project Cost Estimate (PCE)

Conditions:

- The original PCE is provided by the AGENCY for review and incorporation into project planning.

Activities:

The CONSULTANT shall perform the following in support of the SERVICES:

- Review the existing Project Cost Estimate (PCE) and perform estimate updates based on changes to project information, assumptions, major changes in market conditions, and potential scope changes.
- Use the existing and updated PCE to inform fund source programming, funding needs, and delivery method selection process.

Deliverables:

~~2.4.1. Programming and Funding Need One-Pagers for Key Project Stakeholders~~

TASK 3 – CHANGE MANAGEMENT PLAN

Subtask 3.1 – Change Management Plan

Conditions:

- No Conditions for this Subtask.

Activities:

The CONSULTANT shall perform the following in support of the SERVICES:

- Prepare a Change Management Plan (CMP) for the PROJECT and submit to the AGENCY for review and approval.
- Define the process for identification, notification, processing, and documentation of all project changes.
- Maintain change control log of proposed, pending, and executed changes internal and external to the PROJECT
- Define the change approval process

Deliverables:

3.1.1. Change Management Plan

TASK 4 – QUALITY

Subtask 4.1 – **Quality Management Plan (QMP)**

Conditions:

- The CONSULTANT's Initial Draft QMP will be provided to AGENCY for review.
- The CONSULTANT's Final QMP will be provided to AGENCY for review.
- The Quality Management Plan will only cover quality activities expected during the duration of the Detailed Work Plan (12 months) and will be updated to add additional activities during future Detailed Work Plans(s).
- QC activities will be performed according to the procedures and schedules outlined in the QMP, and QC labor hours are budgeted with each deliverable under individual subtasks throughout this Scope of Work.

Activities:

The CONSULTANT shall perform the following in support of the SERVICES:

- Develop procedures for quality control and quality assurance review processes
- Draft Quality Management Plan as part of the PMP described in Subtask 1.1
- Coordinate a list of deliverables
- Identify of which quality review procedures apply to each identified deliverable and who will perform each quality review.
- Quality certification by the CONSULTANT's Project Quality Manager and signature forms for each of the PROJECT'S delivery milestones
- Quality Assurance (QA) of SERVICES provided under this Detailed Work Plan. QA activities include verifying that CONSULTANT's QC activities are being performed and documented for each deliverable according to the QMP procedures and monitoring and documenting CONSULTANT's overall compliance with the QMP requirements.

Deliverables:

4.1.1. Quality Management Plan (QMP) due 08/31/2022

Subtask 4.2 – Quality Training

Conditions:

- The QMP will be reviewed by all CONSULTANT team members working on deliverables during the term of this Detailed Work Plan, all team members as they onboard the project, and will last up to one (1) hour.
- CONSULTANT staff will need to be trained as part of a future authorization.

Activities:

The CONSULTANT shall perform the following in support of the SERVICES:

- Provide QMP for review by CONSULTANT and sub-consultant team

Deliverables:

4.2.1. QMP Training (Initial Training) held no later than 08/31/2022.

Subtask 4.3 – Quality Assurance

Conditions:

- Quality Control activities performed for each deliverable according to procedures and schedules outlined in QMP

Activities:

The CONSULTANT shall perform the following in support of the SERVICES:

- Provide Quality Assurance of deliverables provided in the Work Authorization
- Verify CONSULTANT's Quality Control activities being performed and documented for each deliverable according to QMP procedures
- Monitor and document CONSULTANT's overall compliance with QMP requirements

Deliverables:

4.3.1. Quality Assurance Log

TASK 5 – PROJECT CONTROLS

Subtask 5.1 – Project Controls Plan

Conditions:

- The Project Controls Plan will be updated in subsequent Detailed Work Plans as the PROJECT is better defined.
- The CONSULTANT Project Controls Plan will be provided to AGENCY for review. A single review-and-comment cycle by the AGENCY is assumed.

Activities:

The CONSULTANT shall perform the following in support of the SERVICES:

- Prepare a Project Controls Management Plan as part of the PMP described in Subtask 1.1 that identifies the tools, processes, and systems that will be evaluated and implemented by the CONSULTANT
- Address the CONSULTANT's data collection, processing, and reporting needs and solutions during the term of this Detailed Work Plan
- Identify potential future needs, options, collaboration, and evolution that may be needed in later phases.

Deliverables:

5.1.1. Initial Project Controls Plan due 08/31/2022.

Subtask 5.2 – Project Dashboard

Conditions:

- The Project Dashboard will be web-based, accessible with appropriate permissions by the CONSULTANT and AGENCY only.

Activities:

The CONSULTANT shall perform the following in support of the SERVICES:

- Develop and maintain a Project Dashboard showcasing key performance indicators (KPIs) as determined by the CONSULTANT and the AGENCY.
- Address the CONSULTANT's critical items influencing short-term goals during the term of this Detailed Work Plan, and evolving to show the relevant, project specific KPIs of each project phase.

Deliverables:

5.2.1. Project Dashboard

Subtask 5.3 – Integrated Project Schedule

Conditions:

- The Project Schedule will be developed in the latest version of Primavera P6.
- The Project Schedule will be made available in printable PDF format and through online schedule review tools, such as ProjectControls.online.
- The Schedule will be presented in relevant summary formats using various visualization tools and techniques.
- Changes to the Project Baseline will require the approval of the Project Manager and the AGENCY.
- Initial Project assumptions shall be documented in conjunction with the approval of the Baseline Schedule.
- The Project Schedule will be updated monthly.

Activities:

The CONSULTANT shall perform the following in support of the SERVICES:

- Prepare an integrated master schedule (Project Schedule) that encompasses all known and potential activities to complete the Project based on the interaction of sub-project schedules and in alignment with completion milestones
- Baselined after the review and approval by the CONSULTANT and the AGECONY
- Document and track project assumptions influencing or driving the Project Schedule Baseline
- Update the Project Schedule with progress from active sub-project schedules and refine the Schedule to reflect the current project status and assumptions

Deliverables:

5.3.1. Integrated Master Project Schedule Baseline due 08/31/2022.

5.3.2. Project Schedule Updates, provided quarterly

Subtask 5.4 – Sub Project Schedule

Conditions:

- The sub-project Schedules will be developed in the latest version of Primavera P6 or converted from their native formats to Primavera P6.
- The sub-project Schedules will be made available in printable PDF format and through online schedule review tools, such as ProjectControls.online.
- The schedules will be presented in relevant summary formats using various visualization tools and techniques.
- Changes to the sub-project Baselines will require the approval of the Project Manager.
- Initial Sub-project assumptions shall be documented in conjunction with the approval of the Baseline Schedule.
- The known sub-project schedules include but are not limited to: Design, Funding, Delivery Method Selection, Permitting, Outreach, Procurement, and Governance.
- The Sub-Project Schedule will be updated monthly.

Activities:

The CONSULTANT shall perform the following in support of the SERVICES:

- Prepare, review, and maintain sub-project schedules that encompasses all known and potential activities to complete each phase of the project in alignment with completion milestones
- Baselined after the review and approval by the CONSULTANT team
- Document and track project assumptions influencing or driving the sub-project schedules
- Update the schedules with progress from active work and refine the scheduled to reflect the current sub-project status and assumptions.

Deliverables:

5.4.1. Baseline Sub-Project Schedules due 08/31/2022.

5.4.2. Sub-Project Schedule Updates, provided quarterly

TASK 6 – COMMUNICATIONS

Subtask 6.1 – Public Involvement & Communications Plan

Conditions:

- The labor expense details for this scope item include certain hours for CONSULTANT staff to coordinate with AGENCY and AGENCY’s public engagement and other consultants. These hours are in addition to performance of the deliverables and activities outlined below.
- CONSULTANT will participate in up to twelve (12) meetings with AGENCY partners for Strategic Communications as requested. Each meeting will be attended by up to two (2) CONSULTANT, including sub-consultant, and each will last up to two (2) hours.
- Deliverables will be provided two (2) times for AGENCY review and comment prior to distribution of one (1) final version.

Activities:

The CONSULTANT shall perform the following in support of the SERVICES:

- Public Involvement and Communications Plan
 - Review relevant project documents and information to understand work done to date
 - Produce public involvement and communications plan which will outline decision-making process; demographics analysis; team roles; outreach strategies; key messages; and schedule
 - Produce and manage comprehensive list of stakeholders to engage throughout project
 - Include purpose and schedule for open house events, online open houses and community events
 - Develop strategy and planning for social media, Illustrations, graphics and photography
- Project Branding
 - Consultant to design a project logo that can be used throughout the remainder of the project; includes 2 2-hour branding meetings to discuss logo and project visual identity
 - Development of project templates, including a PowerPoint presentation and Memo template
 - A project Look Book that sets the project identity, including project fonts, colors and use of the logo
- Project Website
 - Design and production of a bilingual project website that provides updates on the bridge project and the Bi-State working group’s role with the bridge.
 - Includes up to four (4) 1-hour meetings to discuss project website with the PMT and/or bi-state working group prior to launching
 - Up to two monthly website updates to inform the community about the project, public input opportunities and what’s being considered with the design and other important project topics
 - Website content, images and formatting to meet all Oregon and Washington state ADA guidelines

- Redesign website to reflect new Bi-State Bridge Commission, content, graphics and layout

Deliverables:

- 6.1.1. Public Involvement and Communications Plan (PICP) due 09/30/2022.
- 6.1.2. Project Branding, including project colors, logo, Look Book, PowerPoint Template, and Project Memo template due 09/30/2022.
- 6.1.3. Project Website – design and launch of website in English and Spanish languages with two (2) monthly updates.

Subtask 6.2 – Strategic Communications Support

Conditions:

- Strategic Communications Plan will be one (1) draft and one (1) final submittal
- Strategic Communications Plan will be a component of the Public Involvement and Communications Plan (Deliverable 6.1.1)

Activities:

The CONSULTANT shall perform the following in support of the SERVICES:

- Develop a strategic communications plan for AGENCY with their partner agencies, regulatory agencies, and elected officials as it relates to the PROJECT.

Deliverables:

- 6.2.1. Strategic Communications Plan due 09/30/2022.

Subtask 6.3 – Workshops

Conditions:

- Public Involvement Kick Off Workshop:
 - Held within the first month of NTP
 - May be held in combination with larger team kick off meeting
 - Held in-person at the Port for two (2) hours.
 - Staffing will include 3 – 4 CONSULTANT staff; assumes some prep time
- Stakeholder Interviews
 - Assumed to be one (1) hour in duration
 - Include 2 CONSULTANT staff for each interview and will include travel.
 - Completed within the first 3 months following NTP
- Open Houses to present information on Final EIS and Revenue Optimization Plan
 - Maximum of six (6) in-person open house events, three in each state
 - Assume in-person open house events will last no more than two (2) hours not including travel, set up and break down time
 - Up to three (3) CONSULTANT staff per event for set up, facilitation, and notetaking
 - Maximum of two (2) online open house events – one focused on community engagement and another on the Revenue Optimization Plan
- Community Events
 - Staff up to five (5) events with two (2) CONSULTANT staff to set up, staff and break down each event

- Each event assumed to be no longer than six (6) hours

Activities:

The CONSULTANT shall perform the following in support of the SERVICES:

- Public Involvement Kick Off Workshop
 - Public involvement goals and what's needed during year one and during the design phase
 - Key messages
 - Working together and team roles for public engagement
 - Key stakeholders and working with the public
 - Decision-making structure and process
 - Concerns that may need to be followed up on
 - Media planning
 - Comments received from the meeting will be incorporated into the PICP
- Stakeholder and Comment Tracking/ Engagement Project Success Measurement
 - Track, code and maintain participation in engagement activities and comments received throughout the project
 - Track stakeholders who participate in outreach activities or those who would like to receive project updates throughout the project
- Stakeholder Interviews and Ongoing Engagement
 - Stakeholder interviews with up to 15 stakeholders that have been involved with the project in prior phases and/or have key interests with the project
 - Develop an interview plan with questions and interview roles and responsibilities, schedule all interviews and summarize the conversations in an interview summary
 - Document key concerns and opportunities for design and test project branding and key messaging with stakeholders prior to the first media campaign
 - Interviews will also inform overall engagement strategy throughout the remainder of the work
- Jurisdictional/ Community Presentations and Key Stakeholder Direct Engagement
 - Attend and present at jurisdictional standing meetings to discuss the project and ask for feedback as appropriate
 - Contact key stakeholders to discuss the project, key concerns, and opportunities throughout the project
 - Provide notes on stakeholder conversations weekly to keep the project team informed of conversations
 - Prepare for in-person presentations with PowerPoint slides and materials as appropriate
- Open Houses
 - Plan, provide coordination and facilitation of in-person open house events
 - Coordinate and develop agendas, presentation materials and meeting guides for digital and/or in-person events
 - Design and production of meeting materials such as surveys, comment forms, sign up sheets, etc., as needed
 - Development of event invitation lists, with PMT input, and management of the invitation of events
 - Secure event venues, event set up, and refreshments
 - Design, develop and manage online open house events

- One (1) online open house with focus on engaging the public and regional interested parties on what the project history and decisions to date and ask for input needed on bridge aesthetics and bike/ped options
- One (1) online open house with focus on Revenue Optimization Plan
- Online events to be hosted on JLA’s online open house platform (station-based, with questions per station) or on Story Maps (story-based, one survey)
- Consultant shall prepare a detailed summary for each round of events; anticipating two (2) rounds of events
- Provide materials and online tools appropriate for screen readers and meet state ADA requirements
- Online presentations with the project team via Zoom
- Produce summary following each event
- Community Events
 - CONSULTANT to staff existing community events to promote the PROJECT and online open house events.
 - Contact community organizations or event managers to organize event participation
 - Produce tabling event materials, including sign-up sheets and comment form
 - Summarize feedback received at events

Deliverables:

- 6.3.1. Public Involvement Kick Off Workshop - one draft and one final agenda
- 6.3.2. Stakeholder and Comment Tracking - Regular updates to stakeholder comment log with input received from the different organized/attended events, Quarterly updates on progress and measurements of success
- 6.3.3. Stakeholder Interviews and Ongoing Engagement - one draft and one final Interview Plan; one draft and one final Interview Summary
- 6.3.4. Jurisdictional/ Community Presentations – Weekly recap notes on stakeholder conversations; Comments tracked in the comment log; Presentation materials per stakeholder group for in-person presentations and meetings
- 6.3.5. Six (6) in-person Open Houses and two (2) online Open Houses
- 6.3.6. Attendance and community engagement at five (5) Community Events

Subtask 6.4 – Public Involvement & Project Branding

Conditions:

- Spanish language interpretation will need to be added with future Detailed Work Plan to produce Spanish-language materials

Activities:

The CONSULTANT shall perform the following in support of the SERVICES:

Media Campaigns (Multimedia)

- Media and On-Going Project Communications Support
 - Comprehensive communications and media support including:
 - Production of monthly communications for stakeholder emails to keep everyone in the know

- Develop and track press releases on important events to local and regional media and nonprofit organizations
- Monthly updates to project team talking points
- Tracking media coverage for the project
- Videos
 - Consultant to produce project videos to support project communications and outreach
 - Use produced videos to supplement content on social media, online open houses, and community presentations
 - Consultant to hire a drone operator to capture aerial footage of the existing bridge for use on videos throughout year one
 - Videos to follow approved script, produced by the Consultant and approved by the Client
 - Produce videos that educate the diverse public about the importance of the new bridge and its processes.
 - Create a sense of buy-in and motivation to fund the project completion
 - Create media assets that enhance the project's outreach objectives
 - Perform pre-production, production, and post-production for video's
 - Perform production and post-production of still images
- Factsheets
 - Consultant to design and produce factsheets at key project milestones.
 - Factsheets will provide important project information including why this work is needed, overall schedule, and how interested parties can be involved and track the process.
 - Factsheets are assumed to be a double-sided 8.5x11 material
 - CONSULTANT will print factsheets for use at community events and presentations
- Social Media
 - Production and management of three social media accounts for the project. Recommended Facebook, Twitter and Instagram.
 - 2 - 3 posts per week on each account, including content and graphics
 - Management and response to public comments on accounts
 - Purchase ad space for up to three (3) social media advertisements for Facebook to promote open house and online open house events
 - Social media posts in Spanish

Deliverables:

- 6.4.1. Media and On-Going Project Communications Support - Updated media strategy including monthly communications for stakeholder email and partner communications and talking points for the project team.
- 6.4.2. Social Media - Project Facebook account; Project Twitter account; Project Instagram account; up to three (3) advertisements for Facebook
- 6.4.3. Two (2) Factsheets – one draft and one final factsheet per factsheet; produced bi-annually the first due 09/30/2022

- 6.4.4. Videos – Two (2) documentary-style impact films. (3-10 min), Six (6) social media cut-downs of the film or interview topic shorts (30-60 seconds), 50 still images for marketing purposes + archive development for future licensing
- 6.4.5. Graphics/Photography – up to ten (10) graphics/illustrations and photography including aerial as needed

Subtask 6.5 – Meetings

Conditions:

- Meetings to be held in-person at the Port; travel required
- CONSULTANT will provide three (3) staff at each meeting
- CONSULTANT will provide up to two (2) staff at each bi-state working group meeting to provide updates on communications and public engagement
- CONSULTANT will provide up to two (2) staff at task Lead meetings to coordinate with project team and provide updates on communications and public engagement

- CONSULTANT will prepare and distribute meeting notes
- Assumes two to three 1-hour meetings monthly

Activities:

The CONSULTANT shall perform the following in support of the SERVICES:

- Attend CONSULTANT team meetings and meetings with the Project Management Team, assumes one-hour meetings monthly
- Attend CONSULTANT task lead meetings, assume 2-3 one-hour meetings monthly
- Attend BSWG meetings as needed and BSWG preparation meetings prior to special events

- Overall email coordination with the Port of Hood River, Project Management Team and project partners
- Provide support with calendar invitations and coordination of meetings, as needed

Deliverables:

~~6.5.1. Agenda and Meeting Materials for all attended meetings as per CONSULTANT DELIVERABLE STANDARDS.~~

~~6.5.2.6.5.1. Meeting (Agenda, Notes and Action items) for all attended meetings as per CONSULTANT DELIVERABLE STANDARDS.~~

TASK 7 – FUNDING, FINANCE AND TOLLING (FFT)

CONSULTANT will collaborate with AGENCY to develop and maintain up-to-date update project financial plans including cash flow models and financial and economic analyses. CONSULTANT shall conduct workshops to identify and refine funding, finance options, and develop a 2-year funding and finance roadmap. CONSULTANT will support AGENCY in efforts to secure funds and financing, including preparation of grant applications, lobbying support, meeting facilitation etc. CONSULTANT will coordinate with T&R consultants retained by others and, if necessary, will conduct or assist in the

procurement of T&R services for the project. CONSULTANT will prepare reports and attend meetings as required or requested

Subtask 7.1 – Financial Planning, Modeling and Scenarios

Conditions:

- AGENCY and consultants currently under contract are available to participate as needed
- Funding and Cash Flow Model: Development of basic model – Scenario testing budgeted separately.

Activities:

The CONSULTANT shall perform the following in support of the SERVICES:

- Develop and maintain comprehensive Project Financial Plan
 - Deep-dive evaluation of current budgets, financial plans, and funding commitments/agreements.
 - Funding source evaluation of all relevant potential federal, state, and local sources. Analysis will include an evaluation of federal grant programs and development of a funding matrix.
 - Project Financial Plan will be a living document that will be updated as the project develops.
 - Financial Analysis for feasibility and debt capacity scenarios, including toll finance simulations. This could include financial aspects of a Delivery Options analysis for relevant Design Build (DB) and Public Private Partnership (P3) delivery options.
 - Funding and cash flow model to document funding sources and scenarios and include cash flow projections.
 - Consult and Liaison with POHR Municipal Advisor as appropriate and necessary
 - Subcontract with PFM for the following services: Assist and advise on review of existing policies and development of recommendations for new or revised policies; advise as requested on matters related to funding and grant applications; participate as requested in calls or meetings with project management team, stakeholders, BAB, and others; advise as requested on issues of governance; assist with development of TIFIA and federal funding strategy; timing; LOI strategy; equity strategy; review traffic and revenue study

Deliverables:

7.1.1. Initial Project Financial Plan.

Subtask 7.2 – FFT Workshops

Conditions:

- Workshops will be four (4) hours and will have the option to be attended both virtually and in-person
- Each workshop attended by eight (8) CONSULTANT personnel and AGENCY representatives as agreed

Activities:

The CONSULTANT shall perform the following in support of the SERVICES:

- CONSULTANT will plan, conduct, and document one (1) workshop:
 - Workshop will establish policy preferences, identify potential funding sources, and discuss applicability and viability of various sources.
 - High level evaluation of policy, feasibility, and delivery options analysis around toll revenue scenarios.
 - High level prioritization of funding scenarios and approaches to securing requisite funding

Deliverables:

~~7.2.1. Agenda and Meeting Materials as per CONSULTANT DELIVERABLE STANDARDS.~~

~~7.2.2.7.2.1. Meeting(Agenda, Notes and Action items) as per CONSULTANT DELIVERABLE STANDARDS.~~

Subtask 7.3 – Competitive Grant Services

Conditions:

- Comprehensive application development includes development of project narrative, update of benefit-cost-analysis and supporting materials for application submission.
- Three (3) Grant Applications
- Maximum of four (4) active grants
- AGENCY will provide BCA and other relevant materials from 2022 MPGD and BIP applications that will be updated, referenced or reused as appropriate
- Engage FCS as subconsultant to update and revise 2022 BCA's as necessary

Activities:

The CONSULTANT shall perform the following in support of the SERVICES:

- Grant Applications – Prepare applications for signature and submittal by AGENCY.
- Identify and track new additional grant opportunities
- Advocacy – Support legislative and agency advocacy in support of grants and/or TIFIA, Bonding or other financing mechanisms as identified.
- Grant Agreements – Negotiate and document grant agreements. Prepare documentation for execution by AGENCY.
- Grant Administration and Reporting –
 - Develop processes and procedures for tracking costs, allocating expenses, and filing reports
 - Prepare and file required reports, support audits, and provide support accounting for grant funds.
- TIFIA application support –
 - Consultations with Build America Bureau
 - Consultations with POHR Financial Advisor
 - Consultations with Bond Counsel
 - Develop and submit TIFIA letter of interest with detailed project description (Purpose and need, Scope, Schedule, Budget, Conceptual Design), project financial plan (ID of dedicated revenue source, Status if all funding requested), status of environmental review, and preliminary credit rating opinion letter

Deliverables:

- 7.3.1. Grant Applications within reasonable time for the AGENCY to review and execute
- 7.3.2. Grant Advocacy
- 7.3.3. Grant Agreements, Administration and Reporting for all secured Grants
- 7.3.4. Draft TIFIA Letter of Interest

Subtask 7.4 – Traffic and Revenue Study Support

Conditions:

- For POHR Revenue Optimization Plan
 - Three (3) Board/BSWG Workshops
 - Up to eight (8) initial scenarios and two (2) final scenarios for detailed analysis

Activities:

The CONSULTANT shall perform the following in support of the SERVICES:

- Traffic and Revenue Study Support
 - Support WSTC's Traffic and Revenue Study
 - Liaison with WSTC's consultant team as necessary
 - Compile and provide data to support T&R Study
 - Full membership on Technical Advisory Committee
 - Monitor and ensure POHR interests are represented
 - Ensure that process is compatible with POHR's future T&R needs
 - Use data and results to support POHR's Revenue Optimization Plan
 - Meetings as necessary to accomplish above referenced activities
 - Review and provide input as appropriate on all memoranda and reports
- POHR Revenue Optimization Plan
 - Develop revenue goals to meet funding and financing needs of the project.
 - Develop revenue scenarios for Board consideration
 - Build revenue evaluation model to evaluate the multiple revenue scenarios and understand impacts to financing capacity and project funding.
 - Hold revenue evaluation workshop with AGENCY to review scenarios and identify preferred alternative
 - Develop in coordination with WSTC's T&R team
 - Develop materials to support six (6) Public and stakeholder engagements
 - Present detailed analysis of most viable scenarios to Board
 - Develop material to support messaging of future toll increase

Deliverables:

- 7.4.1. Monitor Washington State Transportation Commission (WSTC) T&R Consultant and report to POHR Board, BSWG, and BSBC as appropriate
- 7.4.2. Revenue Optimization Plan

Subtask 7.5 – Meetings

Conditions:

- Four (4) Briefings and engagement with POHR and BSWG Commissioners and staff outside monthly meetings
- Four (4) Briefings and engagement with stakeholders outside ones listed in Task 1

- Two (2) Briefings, engagement and develop collateral material to support lobbying efforts
- Monthly, to include attendance and presentation at meetings (12 meetings)
- Attendance at selected meetings by specialty CONSULTANT personnel (6 meetings)

Activities:

- The CONSULTANT shall perform the following in support of the SERVICES:
- Support development of an Aging Plan to program \$75M WA contribution
- Financial Briefings and Engagement as necessary
- Stakeholder engagement support (local and state agencies, legislatures, federal, tribal, and private stakeholders)
- Advocacy support (agency and legislative, state and federal) including development of collateral marketing materials, developing “elevator speech” script, supporting legislators, staff and lobbyists, facilitating meetings

Deliverables:

- 7.5.1. Stakeholder Engagement Support
- 7.5.2. Advocacy Support
- 7.5.3. Support for WSDOT Aging Plan
- 7.5.4. Support for BSBC Transition

TASK 8 – DELIVERY METHOD

Subtask 8.1 – **Delivery Method Analysis**

Conditions:

- The information gathered during Subtasks 8.2 and 8.3 will be considered and incorporated into this analysis and recommendations.
- The Delivery Method Analysis Report will be approximately 30 pages total including appendices.
- Coordination meetings will be held every two weeks between relevant representatives from the CONSULTANT and the AGENCY, will last up to two (2) hours and be attended virtually by at least one (1) person from the CONSULTANT representing the Delivery Method Analysis.

Activities:

The CONSULTANT shall perform the following in support of the SERVICES:

- Conduct a qualitative analysis of potential project delivery methods for the PROJECT, based in part on the discussion and outcomes of Subtasks 8.2, 8.3. The analysis will identify and consider various factors agreed with the AGENCY and evaluate them under each of the potential project delivery methods
- Identify and assess the risks related to the project delivery methods, including those identified as part of Subtask 2.2
- Provide documentation of the project delivery analysis and recommendations in the form of a Delivery Method Analysis Report
- Participate in regular coordination meetings with AGENCY

Deliverables:

8.1.1. Delivery Method Analysis Report due 2/1/2023.

Subtask 8.2 – Delivery Method Workshop

Conditions:

- Each of the two (2) Delivery Method Workshops will be conducted in person at the AGENCY's offices, and a video/phone conference option will be offered.
- Each of the two (2) Delivery Method Workshops will last up to six (6) hours.
- CONSULTANT will coordinate with AGENCY to schedule the first workshop as an early activity, and the second workshop as a closeout activity, associated with the Delivery Method Analysis work in Subtask 8.1.
- Each Delivery Method Workshop will be attended by AGENCY staff and up to six (6) CONSULTANTS, including sub-consultant, staff.

Activities:

The CONSULTANT shall perform the following in support of the SERVICES:

- Facilitate and participate in two Delivery Method Workshops with AGENCY
 - The first workshop will be conducted early in this first phase. The primary objectives of the first workshop are to:
 - present a structured approach to assist AGENCY in making a project delivery decision
 - provide initial identification of project goals
 - provide initial analysis of certain risks, especially as they relate to delivery method bring considered for the project
 - The second workshop will be conducted later in this first phase to present the findings and recommendations of the Delivery Method Analysis Report developed in Subtask 8.1.

Deliverables:

~~8.2.1. Agenda and Meeting Materials as per CONSULTANT DELIVERABLE STANDARDS.~~

~~8.2.2.8.2.1. Meeting(Agenda, Notes and Action items) as per CONSULTANT DELIVERABLE STANDARDS.~~

Subtask 8.3 – Industry Outreach

Conditions:

- The RFI document will be approximately ten pages in length and will outline the purpose of the RFI, details about the project, goals of the project, status of key approvals and project development, tolling considerations, project delivery methods under consideration, the types of information being requested and whether subsequent one-on-one meetings are being considered to engage in follow-up discussions with interested industry firms.
- Up to eight (08) RFIs will be received by AGENCY for review and summary by CONSULTANT.
- CONSULTANT will identify up to two (2) industry events, to be hosted at AGENCY facility or at an offsite conference or facility hosted by others, relevant to bridge

construction and alternative delivery methods. Each event will be attended by up to two (2) CONSULTANT staff and could include up to one (1) hour of presentation and four (4) individual two (2)-hour meetings with industry teams.

Activities:

The CONSULTANT shall perform the following in support of the SERVICES:

- Prepare a Request for Information (RFI) document and process that outlines the project scope and solicits written responses from industry on project delivery options, risk matters and questions.
- Review and summarize RFI responses submitted to AGENCY by others.
- Facilitate and participate with AGENCY at up to two industry outreach events, which could include presentation of the project to an audience of industry representatives or meetings with individual entities including design or construction companies that are interested in future construction-related delivery of the project, The purpose of each industry outreach event will be to inform industry about the PROJECT and seek industry input on project delivery options, risk matters and questions. This industry outreach will be considered as part of the project delivery analysis and recommendations in Subtask 8.1.

Deliverables:

8.3.1. Request for Information (RFI) document due 06/30/2023.

8.3.2. Agenda and Materials prior to each industry event and Meeting notes and Action Items after each industry event as per CONSULTANT DELIVERABLE STANDARDS.

~~8.3.3. Meeting participation as per CONSULTANT DELIVERABLE STANDARDS.~~

TASK 9 – ENVIRONMENTAL AND REGULATORY

Subtask 9.1 – Environmental Coordination (NEPA)

Conditions:

- Two (2) CONSULTANT staff will attend up to eighteen (18) NEPA coordination meetings with Agency, Project NEPA team, and regulatory agencies.
- Each of the individual NEPA coordination meetings will not exceed two (2) hours of CONSULTANT Environmental Lead time and will be conducted virtually.
- CONSULTANT will support the AGENCY with NEPA meetings but will not be preparing agendas or meeting materials, time under this subtask if for meeting attendance only.
- Effort anticipates Record of Decision (ROD) to be obtained by March 31, 2023. CONSULTANT efforts beyond this date or beyond the assumptions above will be completed through a future Detailed Work Plan.

Activities:

The CONSULTANT shall perform the following in support of the SERVICES:

- Coordinate with Agency and the Project NEPA team to track remaining environmental coordination, decisions, and deliverables associated with the completion of the NEPA process and issuance of the NEPA Record of Decision.

- Attend up to twelve (12) NEPA coordination meetings including, but not limited to, Section 4(f), Tribal Coordination, Section 106, and NMFS Biological Opinion meetings to track Project environmental compliance and support future regulatory compliance.
- Update the Project Environmental Compliance Plan (Task 9.2) as necessary based on information obtained during NEPA coordination efforts.

Deliverables:

~~9.1.1. Agenda and Meeting Materials as per CONSULTANT DELIVERABLE STANDARDS.~~

~~9.1.2.9.1.1. Meeting(Agenda, Notes and Action items as per CONSULTANT DELIVERABLE STANDARDS.~~

Subtask 9.2 – Environmental Compliance Plan

Conditions:

- The Environmental Compliance Plan (ECP) will be one (1) Draft, and (1) Final submittal.
- The ECP shall be prepared prior to Agency selection of Project delivery method and A/E team procurement.
- The ECP permitting schedule may require one (1) revision after selection of the Project delivery method to update the permitting schedule. No other ECP updates are included in this SOW.
- The construction phase ECP update shall be completed prior to construction after all permits are issued under a future CONSULTANT team contract amendment with the Agency.
- The ECP shall be updated in a future authorization after all permits have been issued and specific environmental commitments, requirements, and mitigation have been identified to support environmental compliance during the Project's construction phase.
- The future construction phase ECP shall also include details regarding environmental compliance team responsibilities and authority, reporting requirements, identify procedures for achieving environmental compliance, and establish procedures for identifying and resolving issues of non-compliance.

Activities:

The CONSULTANT shall perform the following in support of the SERVICES:

- Prepare an Environmental Compliance Plan (ECP) that:
 - Identifies all applicable environmental permits and authorizations required for the project.
 - Identifies key regulatory agency contacts.
 - Includes schedules for permit application preparation, agency review timelines, and permit issuance aligned with Project design milestones.

Deliverables:

9.2.1. Environmental Compliance Plan due 12/1/2022.

Subtask 9.3 – Environmental Compliance Workshop

Conditions:

- The Environmental Permitting Workshop will be attended by AGENCY and up to four (4) CONSULTANT team members.
- The Environmental Permitting Workshop will last up to eight (8) hours, inclusive of travel, and will be conducted in person in Hood River.
- CONSULTANT will prepare the workshop agenda, coordinate with participants to schedule the workshop, and provide Workshop meeting notes to participants

Activities:

The CONSULTANT shall perform the following in support of the SERVICES:

- Coordinate with AGENCY to plan, conduct, and document an Environmental Compliance Workshop after completion of the ECP to review the ECP and project environmental compliance requirements.
- The workshop will focus on integrating environmental planning, permitting, and regulatory agency coordination activities with overall project development and delivery
- Facilitate discussion to outline the ECP's schedule for developing environmental documentation, permitting products, and milestones
- Will support selection of the project delivery method by outlining critical path permitting efforts for planning and scheduling purposes

Deliverables:

~~9.3.1. Agenda and Meeting Materials as per CONSULTANT DELIVERABLE STANDARDS.~~

~~9.3.2-9.3.1. Meeting(Agenda, Notes and Action items) as per CONSULTANT DELIVERABLE STANDARDS.~~

Subtask 9.4 – Regulatory Agency Coordination

Conditions:

- CONSULTANT shall attend up to ten (10) coordination meetings with applicable regulatory agency staff and Agency under this SOW to include US Coast Guard, Columbia Gorge Commission, US Army Corps of Engineers, National Park Service, Oregon Park and Recreation.
- Up to four (4) CONSULTANT staff shall attend the regulatory agency coordination meetings.
- Regulatory agency coordination meetings shall last up to five (5) hours, inclusive of travel, and shall be conducted in person in Hood River.
- CONSULTANT labor for regulatory agency coordination, outside of in person coordination meetings, shall be limited to 80 hours.

Activities:

The CONSULTANT shall perform the following in support of the SERVICES:

- Coordinate with applicable regulatory agencies to discuss permitting timelines and requirements for development of the Project ECP

- Coordinate and facilitate coordination meetings with regulatory agency staff and AGENCY to discuss specific regulatory permitting requirements, compliance needs, and permitting schedules

Deliverables:

~~9.4.1. Agenda and Meeting Materials as per CONSULTANT DELIVERABLE STANDARDS.~~

~~9.4.2.9.4.1. Meeting (Agenda, Notes and Action items) as per CONSULTANT DELIVERABLE STANDARDS.~~

Subtask 9.5 – Tribal Coordination

Conditions:

- CONSULTANT will coordinate with AGENCY and develop treaty memorandums of agreements (MOA) with the following tribes.
 - Confederated Tribes and Bands of the Yakama Nation [Yakama Nation]
 - Confederated Tribes of the Warm Springs Reservation of Oregon [Warm Springs]
 - Confederated Tribes of the Umatilla Indian Reservation [Umatilla]
 - Nez Perce Tribe
- CONSULTANT will arrange for and hold sixteen (16) coordination meetings four (4) with each tribe, each attended by up to two (2) CONSULTANT, including sub-consultant, staff.
 - Three (3) in-person meetings and one (1) virtual meeting
 - Each meeting is assumed to be two (2) hours in length.
- CONSULTANT will coordinate with and attend bi-weekly coordination meeting with AGENCY officials for development of treaty MOAs.
- CONSULTANT will coordinate with the AGENCY to provide contact information for key tribal officials of the identified tribes and to develop background information about the previous discussions or correspondence with elected officials.

Activities:

The CONSULTANT shall perform the following in support of the SERVICES:

- Tribal Coordination Support
 - Develop a Tribal Coordination Plan that includes a briefing with each tribe, defines project roles for tribal coordination, and provides information on stakeholders and other organization impacted by the PROJECT.
 - Provide AGENCY tribal contacts and develop a tracking sheet.
 - Identify temporary and permanent impacts to the tribal fishers resulting from bridge construction. Advise AGENCY on ways to mitigate impacts and resolve potential conflicts between tribes, both at the government level and at the staff level.
- Assistance with Development of Memorandum of Agreements (MOAs)
 - Research existing MOAs with tribes and provide examples for review.
 - Develop final MOA's for 4 Treaty Tribes and respond to comments
 - Advise the Agency on how to approach tribes about potential sensitive issues.

- Provide updates during negotiations using a project map with location of fish impacts identified and potential mitigation measures
- Develop draft mitigation strategy for fishing impacts, to be presented to each tribe for negotiation and inclusion in the draft MOA specific to each tribe.
- Assist on identifying temporary and permanent impacts from new bridge construction to the White Salmon Treaty Fishing Access Site and other tribal cultural resource sites.
- Advise on how to approach the tribes with potential mitigation solutions.
- Assist in development of temporary exclusion zone concept for mitigating impacts to bridge construction on fishing access locations
- Advise AGENCY on a methodology for quantifying economic impacts due to lost fishing time and reduced fishing spots and net anchorages
- Make recommendations to AGENCY on legal and/or economic support in drafting and negotiating MOAs.
- Cultural Training
 - Provide training on the history and differences of the tribes in the Columbia River Gorge, fishing and first foods practices, history and development of the In-lieu and Treaty Fishing Access Sites, and other issues the tribes may raise with respect to the Bridge Replacement.
 - Provide training related to the four (4) Treaty Tribes in preparation for coordination efforts associated with the finalization of the Treaty Tribe MOA's
- Other tribal coordination support
 - Assist with coordination of potential Native American elements or motifs that can be incorporated into the bridge design
 - Identify and coordinate temporary and permanent impacts from bridge design and construction during preliminary engineering.
 - Develop maps associated with temporary and permanent impacts from preliminary engineering
 - Develop mitigation measures and recommendations associated with temporary and permanent impacts to support preliminary engineering
 - Review AGENCY's existing monitoring plan and provide comments.
 - Advise AGENCY on how to resolve comments from the tribes
 - Provide input to PROJECT's Action Item Log and Risk Register
- Archeological Monitoring
 - Provide archaeological monitoring of geotechnical exploration by a qualified archaeologist.
 - Prepare daily field notes describing work done and results
 - Review existing Inadvertent Discovery Plan and any associated MOA's prepared to date by WSA, ODOT, or WSDOT

Deliverables:

- 9.5.1. Tribal Coordination Plan due 09/30/2022.
- 9.5.2. Cultural Training no later than 11/10/2022.
- 9.5.3. ~~Agenda and Meeting Materials~~ ([Agenda, Notes and Action items](#)) as per CONSULTANT DELIVERABLE STANDARDS.
- ~~9.5.4. Meeting Notes and Action items as per CONSULTANT DELIVERABLE STANDARDS.~~
- ~~9.5.4. N/A~~
- 9.5.5. Draft and Final Summary Report of archaeological findings
- 9.5.6. Tribal Coordination Draft MOAs

9.5.7. Preliminary Engineering Coordination

Subtask 9.6 – Railroad Coordination

Conditions:

- Existing railroad facilities will remain in operation during construction except for limited, shortterm work.
- CONSULTANT will hold coordination meetings with BNSF and UP, up to six (6) total per year. Up to two (2) CONSULTANT, including sub-consultant, staff will attend meetings that will average one (1) hour.
- CONSULTANT will coordinate with the AGENCY on the names and contact info for key railroad officials with BNSF and UP and to develop background information about AGENCY's previous discussions or correspondence with elected officials.

Activities:

The CONSULTANT shall perform the following in support of the SERVICES:

- Support the AGENCY in coordination and discussions with BNSF and UP.
- Establish minimum horizontal and vertical clearance envelopes for existing tracks. Prepare exhibit to document these envelopes.
- Coordinate with structures design team regarding the required railroad criteria.
- Develop railroad mitigation agreement

Deliverables:

~~9.6.1. Agenda and Meeting Materials as per CONSULTANT DELIVERABLE STANDARDS.~~

~~9.6.2.9.6.1. Meeting(Agenda, Notes and Action items) as per CONSULTANT DELIVERABLE STANDARDS.~~

Subtask 9.7 – Geotechnical Investigations Regulatory Permitting

Conditions:

- The project will qualify for a USACE Nationwide Permit 6 for survey activities.
- Geotechnical investigations will not affect wetlands. No fieldwork will be required by Contractor to complete the permitting work.
- Individual Section 401 water quality certifications will be required from DEQ and Ecology.
- The project will result in no effect on ESA-listed species and will not require an individual ESA consultation with NOAA Fisheries or the U.S. Fish and Wildlife Service (USFWS).
- A Biological Assessment will not be required for geotechnical investigations.
- No resource mitigation will be required for geotechnical site investigations.
- The activity is exempt from State Environmental Policy Act (SEPA), Shoreline Management Act (Revised Code of Washington 90.58.030), and local agency permitting requirements.
- CONSULTANT will attend up to two (2) meetings as required with Port staff and/or regulatory agency staff in Hood River to discuss permitting details.
- AGENCY will be responsible for all permit application fees.
- JPA/JARPA coordination will include up to six (6) figures.

- No effect letter will include up to four (4) figures.
- Consultant will provide up to twelve (12) hours of post-application coordination with USACE, WDFW, DSL, DEQ, Ecology, DNR, and City of White Salmon.

Activities:

The CONSULTANT shall perform the following in support of the SERVICES:

- Prepare permit applications and documentation necessary to secure permits to conduct in-water geotechnical investigations necessary for advancing project design. Applications will include:
 - US Army Corps of Engineers (USACE) Section 404 Nationwide Permit No. 6 – Survey Activities
 - National Marine Fisheries Service (NMFS) Standard Local Operating Procedures for Endangered Species (SLOPES) 5 Programmatic Biological Opinion Compliance
 - Oregon Department of Environmental (DEQ) Quality Section 401 Water Quality Certification
 - Oregon Department of State Lands (DSL) – Waterway Authorization
 - Washington Department of Ecology (Ecology) Section 401 Water Quality Certification
 - Washington Department of Fish and Wildlife (WDFW) Hydraulic Project Approval (HPA)
 - Washington Department of Natural Resources (DNR) Aquatic Land Use Authorization/Easement
 - Written State Environmental Policy Act (SEPA) exemption from City of White Salmon
 - Written Shoreline Substantial Development exemption from City of White Salmon
- Coordinate with USCAE and appropriate fish and wildlife agencies to obtain an in-water work window variance that extends the Columbia River’s in-water work window to spring, summer, and fall seasons
- Prepare necessary permitting information including a Joint Permit Application (JPA)/Joint Aquatic Resources Permit Applications (JARPA) and figures. Applications will include:
 - Necessary supplemental forms
 - Aquatic survey
 - PROJECT background information
 - Best Management Practices (BPMs)
 - Cultural resources information
 - No effect memorandum for ESA compliance
- Coordinate with permitting agencies to authorize in-water geotechnical borings in ten (10) locations
- Prepare exemption applications for submittal to City of White Salmon
- Prepare Shoreline Substantial Development Permit

Deliverables:

- 9.7.1. USACE/DSL Joint Permit Application
- 9.7.2. NMFS SLOPES V Compliance
- 9.7.3. DEQ 401 C Water Quality Certification
- 9.7.4. Washington JARPA and Aquatic Use Authorization
- 9.7.5. Oregon and Washington short-term Waterway Lease Application

9.7.6. City of White Salmon SEPA and Shoreline Exemption

Subtask 9.8 – Preliminary Permits

Conditions:

- CONSULTANT will hold up to three (3) coordination meetings with the National Park Service (NPS), Oregon Parks and Recreation Department (OPRD), and Agency. Up to two (2) CONSULTANT, including sub-consultant, staff will attend meetings that will average three (3) hours inclusive of travel.
- CONSULTANT coordination time with prospective Section 6(f) mitigation site landowners is limited to six (6) hours.

Activities:

The CONSULTANT shall perform the following in support of the SERVICES:

- Coordinate with National Park Service and Oregon Parks and Recreation Department to determine current Section 6(f) resource boundary.
- Determine the potential extent of permanent adverse modification to Section 6(f) areas from the Project.
- Coordinate with the Agency, National Park Service, and Oregon Parks and Recreation Department to determine potential Section 6(f) mitigation opportunities within the project area.
- Support Agency coordination with potential mitigation site landowners.
- Submit basic project information for USACE to determine proper Section 408 information needed for full Section 408 permission.
- Coordinate with USACE to determine Section 408 permission requirements associated with impacts to the Columbia River navigation channel.
- Coordinate with Agency and design team regarding design and construction information needed for USACE Section 408 permission.

Deliverables:

- 9.8.1. Preliminary Section 6(f) and Section 408 permitting coordination and Section 6(f) boundary determination.

TASK 10 – RIGHT OF WAY (ROW)

Subtask 10.1 – Right of Way Acquisition Plan

Conditions:

- A separate Detailed Work Plan will be developed if a need for property acquisition and acquisition services is identified:
- Sub-consultant shall provide labor, equipment and materials to provide acquisition support for the project by obtaining title reports, rights of entry, appraisal reports and acquisition services for properties identified by the team
- R/W activities shall conform to the standards contained in the Uniform Act of 1970 and amendments, on both ODOT and WSDOT Requirements, policies and procedures.

- Assume two borings, two CPT's on Oregon land (POHR right of way)
- Assume ten in-water borings (5 on Oregon side, 5 on Washington side)
- Assume one boring on Washington Land (WSDOT right of way)

Activities:

The CONSULTANT shall perform the following in support of the SERVICES:

- Provide AGENCY a Right of Way Acquisition Plan for the right of way process, including State and Federal Requirements that must be followed.
- Identify parcels needed for the Geotech Scope defined in this Amendment project. Order and review Preliminary Title Reports for ownership and encumbrances. Coordinate with the Project Team on investigations determining ownership. Complete additional research if additional information is needed. Provide report identifying existing easements and potential needs. This work would include:
 - Research River ownership and report
 - Review the legal descriptions for each property
 - Review Assessors data for each property
 - Obtain owner contact information
- Provide an acquisition plan and preliminary schedule for the right of way process following State and Federal Guidelines
- Prepare rights of entry documents for sites needed for drilling explorations if needed.

Deliverables:

- 10.1.1. Right of Way Acquisition Plan due 06/30/2023
- 10.1.2. Right of Way Needs Memo

TASK 11 – ENGINEERING

Subtask 11.1 – Preliminary Engineering

Conditions:

- Preliminary engineering will be aligned with the Project Delivery Method Workshop outcomes and to the Design Acceptance Package (DAP) level
- Scope of engineering to be aligned with Project Delivery Method decisions.

Activities:

The CONSULTANT shall perform the following in support of the SERVICES:

- Support development of a report and recommendation on project delivery method.
- Develop engineering content for or provide engineering review of procurement documents developed under TASK 13 – CONTRACTING.
- Develop CAD standards and guidelines
- Provide CAD services to support Project needs.
- Develop vertical and horizontal alignments to set final navigational clearances
- Develop vertical and horizontal alignments to set minimum clearance envelopes for railroad
- Advance engineering to develop project performance criteria and specifications
- Develop engineering to support regulatory compliance in submittal of permit applications

- ~~Evaluate Superstructure Alternatives~~
- ~~Evaluate Substructure Alternatives~~
- Define typical section elements for the project including analysis for bike/ped accommodation
- Develop pavement designs
- Define traffic data, provide preliminary recommendations on lane configurations, turning lanes, intersection control type
- Develop allowable lane/roadway closure hours
- Develop conceptual MOT plans

Deliverables:

- 11.1.1. Project Performance Criteria
- 11.1.2. CAD Standards and Guidelines Memo
- 11.1.3. Superstructure Memo [\(N/A\)](#)
- 11.1.4. Substructure Memo [\(N/A\)](#)
- 11.1.5. Baseline Geometric Layout
- 11.1.6. Traffic Analysis Memo
- 11.1.7. Pavement Design
- 11.1.8. Maintenance of Traffic Closure Hours and Conceptual Plans

Subtask 11.2 – Geotechnical Explorations

Conditions:

- A full subsurface exploration and testing work plan is not included in this scope of work.

Activities:

The CONSULTANT shall perform the following in support of the SERVICES:

- Review the historical geotechnical and hazardous materials documents prepared by the NEPA team and information readily available in PROJECT records.
- Perform a site reconnaissance to facilitate understanding of the site constraints for field explorations, construction, and traffic staging.
- Support the permitting process with review and comments on the in-water work permit to allow the PROJECT to resubmit the permit for the next phase of geotechnical explorations.
- Support the PROJECT in evaluating the extent of geotechnical explorations recommended to be completed in upcoming project phases.
- Support the PROJECT in concept-level geotechnical risk considerations.
- Develop a Geotechnical Exploration Memo that includes a high-level cost estimate and recommendation for early Geotechnical Work

Deliverables:

- 11.2.1. Geotechnical Exploration Memo due on 09/30/2022

Subtask 11.3 – Site Reconnaissance

Conditions:

- AGENCY will provide access to AGENCY property

- Facilitate understanding of site conditions and constraints for completing subsurface explorations.

Activities:

The CONSULTANT shall perform the following in support of the SERVICES:

- Observe surface conditions indicative of subsurface conditions
- Identify site constraints, equipment access, and staging concerns for the exploration program
- Identify and clearly mark proposed land exploration locations
- Attend meetings with AGENCY or other parties to discuss, review, and ascertain site conditions relevant to the geotechnical work for the PROJECT

Deliverables:

No Deliverables are expected for this Subtask.

Subtask 11.4 – **Subsurface Exploration Plan and Permit Support**

Conditions:

- CONSULTANT shall prepare a Subsurface Exploration Plan (SEP) that shows proposed exploration locations.
- The SEP shall outline the planned exploration procedures and must outline the recommended number of locations, type, sampling and testing of subsurface explorations.
- The SEP shall include a Field Safety Plan (FSP) for all fieldwork and a Traffic Control Plan (TCP) for any on-land explorations within roadways.
- Preparation of the TCPs shall be by a flagging company licensed to work in the State of Oregon and Washington.
- The SEP shall outline CONSULTANT's proposed site restoration procedures for any areas that are disturbed during completion of the explorations.
- Review and acceptance of SEP by the AGENCY to be completed at least five (5) days prior to start of scheduled field explorations.

Activities:

The CONSULTANT shall perform the following in support of the SERVICES:

- Review available as-built drawings of all utilities and roadway structures that the AGENCY provides
- Utilize the public On-Call Utility Locating System to locate all utilities with required use of private utility locators
- Support PROJECT permitting application/renewal process for geotechnical activities by providing relevant information and documentation

Deliverables:

11.4.1. Subsurface Exploration Plan

Subtask 11.5 – **Subsurface Explorations and Testing**

Conditions:

- No restriction of work hours.
- CONSULTANT shall coordinate with AGENCY and receive AGENCY's permits for all subsurface explorations located within the public right of way (ROW).
- Washington land borings are within WSDOT ROW and no coordination with railroads is required.
- AGENCY shall provide a slip to dock boat used for daily transport between land and barge.
- CONSULTANT shall proceed with subsurface explorations only after receiving notification that all required permits, archeological clearances, and utility locates are completed.
- CONSULTANT shall construct all monitoring wells according to ODWR regulations.
- Oregon land borings are within AGENCY property/ROW.
- AGENCY shall provide a staging area to store drilling supplies and equipment.
- The AGENCY boat ramp shall be available to load and unload the drill rig.
- Investigation-derived waste (IDW) like soil cuttings, drilling fluid, etc., assumed to be clean and will be disposed of as clean material.
- Casing assumed to be not required to perform suspension logging in borings.
- CONSULTANT shall provide an engineer or geologist to supervise field operations and document explorations.
- Archeological or tribal monitoring will not impede drilling progress.

Activities:

The CONSULTANT shall perform the following in support of the SERVICES:

- Perform subsurface explorations as detailed below:
 - Two (2) Mud Rotary Borings (with one (1) VWP to be installed in one (1) boring) between depths of 80 to 100 feet for the Oregon approach/abutment
 - Two (2) Cone Penetration Tests between depths of 70 to 100 feet for the Oregon approach/abutment
 - 10 Mud Rotary Borings (with suspension logging performed in two (2) borings) between depths 35 to 160 feet for in-water bridge bents
- Complete suspension logging to collect in-situ shear wave velocity measurements in two (2) in-water borings
- Install a vibrating wire piezometer with datalogger to measure groundwater levels at the Oregon approach for geotechnical analysis and design
- Download groundwater data from datalogger at approximate six (6) month intervals for two (2) years after installation
- Backfill resulting holes in accordance with applicable requirements and patch borings advanced through paved surfaces with AGENCY approved quick-setting, non-shrink grout
- Place soil cuttings in DOT-approved 55-gallon drums and transport to an appropriate facility
- Complete analytical testing to characterize materials for disposal
- Dispose material at an appropriate off-site landfill

Deliverables:

- 11.5.1. Weekly email summary of drilling progress

Subtask 11.6 – Laboratory Testing

Conditions:

- All rock cores shall be photographed prior to testing.
- In addition to standard testing of soil and rock samples, up to four (4) suites of cyclic direct simple shear (CDSS) testing on undisturbed samples of fine-grained soils focused on the in-water borings, and up to two (2) Cerchar Abrasivity Index tests on rock core sample are also anticipated.
- AGENCY shall provide a location to store samples through duration of construction.

Activities:

The CONSULTANT shall perform the following in support of the SERVICES:

- Perform laboratory testing on soil and rock samples obtained from the explorations to verify field characterizations, assist in determining geological unit boundaries, and provide engineering parameters for geotechnical design by stratigraphic layers.

Deliverables:

No deliverables are expected as part of this Subtask.

Subtask 11.7 – Geotechnical Data Report

Conditions:

- CONSULTANT shall prepare one (1) draft and one (1) final Geotechnical Data Report.

Activities:

The CONSULTANT shall perform the following in support of the SERVICES:

- Prepare a Geotechnical Data Report documenting the field exploration methods and observations, subsurface conditions, field testing results, laboratory test data and results, exploration logs, and exploration photos

Deliverables:

- 11.7.1. Draft Geotechnical Data Report
- 11.7.2. Final Geotechnical Data Report

Subtask 11.8 – Preliminary Geotechnical Analysis and Memorandum

Conditions:

- The analysis shall include the following key geotechnical issues:
 - Seismic design criteria
 - Up to three seismic site response profiles
 - Seismic and geological hazards
 - Development of geologic profile for proposed bridge alignment

- Liquefaction and lateral spread analyses for existing conditions
- Limited equilibrium analyses and Newmark-based deformation analyses for existing conditions
- North and South approaches static and seismic stability and settlement
- Mitigation alternatives for seismic and geologic hazards
 - Conceptual-level ground improvement options and footprint
 - Limit equilibrium analyses and Newmark-based deformation analyses for conceptual ground improvement footprint and target deformation
- Preliminary deep foundation options, including drilled shafts and driven piles
 - Estimates of axial and lateral capacity for up to four foundation types/diameters for up to five representative pier locations
- Memorandum is at conceptual/preliminary design level of effort

Activities:

The CONSULTANT shall perform the following in support of the SERVICES:

- Preliminary analyses of the field and laboratory test data to develop initial geotechnical recommendations for design and construction of proposed improvements

Deliverables:

11.8.1. Preliminary Geotechnical Analysis and Memorandum

Subtask 11.9 – Meetings

Conditions:

- CONSULTANT shall prepare for attend one (1) in-person kick-off meeting for up to four (4) hours, and twelve (12) ad-hoc Geotech specific meetings for up to two (2) hours with one (1) hour preparation time and follow up.

Activities:

No specific Activities for this Subtask.

Deliverables:

11.9.1. E-mail meeting summaries as appropriate

Subtask 11.10 – Contract Management

Conditions:

No specific Conditions for this Subtask.

Activities:

The CONSULTANT shall perform the following in support of the SERVICES:

- Prepare monthly invoices and progress reports
- Update and maintain PROJECT records
- Manage Geotechnical contracts

Deliverables:

- 11.10.1. Monthly invoices
- 11.10.2. Monthly progress reports

Subtask 11.11 – Optional Services (HazMat?)

Conditions:

Activities:

The CONSULTANT shall perform the following in support of the SERVICES:

- Perform optional services agreed upon between CONSULTANT and AGENCY

Deliverables:

- 11.11.1. As agreed, upon between CONSULTANT and AGENCY

Subtask 11.12 – Utility Relocation

Activities:

The CONSULTANT shall perform the following in support of the SERVICES:

- Research and gather available existing record drawing information from franchise utilities.
- Prepare a summary of potential utility conflicts in a tabular form to include name of public or private utility company affected; description of conflict; action to be taken to resolve conflict.
- Perform utility coordination including document reviews.
- Contact known utility providers to verify existing infrastructure.
- Identify needs for Memoranda of Agreement with utility owners and local jurisdictions.
- Summarize potential utility conflicts and potential areas that would benefit from future pothole investigations
- Develop existing utility plans.

Deliverables:

- 11.12.1. Utility Conflict Matrix
- 11.12.2. Utility Coordination Plan

Subtask 11.13 – Survey

Conditions:

- Land side only survey shall be performed in the mapped areas of the PROJECT NEPA footprint with additional coverage at the Port's marina area.
- Right of way will be from previous/HHPR work.
- Project datum will match previous/HHPR work.
- Detailed, final design-level topographical and bathymetric survey will be part of a future authorization

Activities:

The CONSULTANT shall perform the following in support of the SERVICES:

- Coordinate with AGENCY on data gathering and validation of data provided by the AGENCY and other sources.
- Coordinate with AGENCY to receive and evaluate existing aerial mapping and photogrammetry.
- Evaluate existing fieldwork, surveying, and as-built data to confirm PROJECT existing conditions.
- Establish new survey control as needed
- Mark all existing planimetric features
- Mark all underground utilities, including inverts where measurable, using 811 utility locates and private locates
- Develop a PROJECT Digital Terrain Model (DTM) that models the existing ground surface shape adequately to prepare base mapping with one-foot interval contours
- Using conceptual bridge design information, provide recommended fieldwork and surveying information for future work authorizations.

Deliverables:

- 11.13.1. Technical memorandum outlining analysis, findings and recommendations related to the survey work outlined above
- 11.13.2. Microstation base map

TASK 12 – CONSTRUCTION

Subtask 12.1 – **Constructability Staging Evaluation**

Conditions:

- Scheme project constructability with the AGENCY. Up to six (6) CONSULTANT, including sub-consultant, staff, will attend. Meeting will last up to four (4) hours.
- Up to eight (8) hours of preparatory work per consultant.

Activities:

The CONSULTANT shall perform the following in support of the SERVICES:

- Identify and evaluate potential construction staging and laydown areas
- Evaluate Wind currents, river tides, staging, yard availability, casting yard, etc.
- Review logistics of access for delivering, assembling, and disassembling cranes and material
- Review similarities/differences of construction options
- Evaluate marine vessel traffic to define short term (24 to 72 hour) channel closures requirements
- Marine/Logistics Analysis

Deliverables:

- 12.1.1. Summarize Constructability Staging Options
- 12.1.2. Develop Strategic Action Items from Staging Construction

TASK 13 –CONTRACTING

Subtask 13.1 – Contract Procurement

Conditions:

- Professional Services procurements will be qualifications-based selections consistent with Oregon and Federal Architectural and Engineering rules and will not be evaluated on basis of cost during evaluation process.
- Contracts will be written to conform with regulations of financial source of funds for the contract.
- CONSULTANT will develop procurement notices and advertisements. AGENCY will publish procurement notices and advertisements on appropriate forums, and will post procurement documents for all contracts on, e.g., Oregon Buys, DJC.
- AGENCY will provide panel members for review and scoring and acceptance of requested procurement documents; CONSULTANT will provide the Procurement Specialist for each procurement, who will not be an evaluator on procurements.
- Up to two (2) CONSULTANT or sub-consultant staff are assumed to be part of the evaluation committee for each procurement.
- AGENCY will maintain final authority to accept or reject proposals.
- Legal reviews and approvals will be by the AGENCY's designated legal counsel.
- Final deliverable review assumes one internal review draft, one external review draft, and a final version for public dissemination.
- AGENCY review will be completed within ten (10) working days of delivery from CONSULTANT.
- External review periods are assumed to be ten (10) working days. Delayed response by external reviewers will affect delivery schedule.
- Reviews involving Oregon Department of Justice (DOJ) are assumed to be twenty (20) working days from delivery of review document(s) from CONSULTANT.
- CONSULTANT will deliver procurement documents digitally (.docx for drafts and .PDF for final).
- Proposal responses will be received digitally; no hard-copy prints will be made.

Activities:

The CONSULTANT shall perform the following in support of the SERVICES:

- Author contract procurement documents (e.g., requests for qualification, requests for proposals) for the following procurements:
 - Contract 1 – A&E designer
- CONSULTANT will host a pre-proposal meeting for each procurement. Each meeting will be one (1) hour in length and be attended by three (3) project team members. CONSULTANT will prepare a presentation and manage attendance lists.
- CONSULTANT will respond to questions from proposers and prepare addendum(s) as needed.
- CONSULTANT will author evaluation criteria for each procurement, train evaluators, and facilitate evaluation review meetings.
- CONSULTANT will compile and organize responses.
- CONSULTANT will provide an independent cost estimate (ICE) for each procurement.

Deliverables:

13.1.1. Procurement Documents

Subtask 13.2 – Meetings

Conditions:

- General coordination meetings are separately scoped and budgeted under Task 1.
- Assumptions for staffing, duration and number of each meeting conducted under this subtask are detailed in the deliverables.
- Pre-proposal, proposal review/evaluation committee and interview will be in-person. All other meetings will be virtual.

Activities:

The CONSULTANT shall perform the following in support of the SERVICES:

- Meetings related to each procurement will include:
 - Procurement briefing with the AGENCY and up to two (2) CONSULTANT, including sub-consultant, staff, and it will last up to one (1) hour and will be conducted in person and/or virtually by video/phone conference.
 - External procurement briefing between the AGENCY and up to two (2) CONSULTANT including sub-consultant, staff, and WSDOT, ODOT and FHWA each will last up to one (1) hour and will be conducted in person and/or virtually by video/phone conference.
 - External procurement briefing between the AGENCY and up to two (2) CONSULTANT including sub-consultant, staff, and Oregon DOJ it will last up to one (1) hour and will be conducted in person and/or virtually by video/phone conference
 - Legal counsel or advisor sufficiency reviews will be attended by the AGENCY and up to two (2) CONSULTANT staff. Meetings will last up to one (1) hour each and are assumed to be virtual
- Each procurement will include up to three (3) meetings between the AGENCY and up to four (4) CONSULTANT including sub-consultant, staff, and three (3) proposers each will last up to two (2) hours and will be conducted in person and/or virtually by video/phone conference.
- Meetings and events with evaluation committees are included in Subtask 13.2 scope and budget.

Deliverables:

13.2.1. ~~Agenda and Meeting Materials~~ ([Agenda, Notes and Action Items](#)) as per CONSULTANT DELIVERABLE STANDARDS.

Subtask 13.3 – ~~Meeting Notes~~ Request for Proposal (RFP) Development

Conditions:

- [The White Salmon Hood River Bridge Replacement Project will be procured using a one phase Progressive Design Build \(PDB\) RFP.](#)
- [The PDB will be selected using qualifications criteria and Action items as per a cost component.](#)
- [RFP and PDB selection will be consistent with Oregon and Federal requirements.](#)

- Contracts will be written to conform with any applicable grant requirements for the contract.
- CONSULTANT DELIVERABLE STANDARDS will develop procurement notices and advertisements. CONSULTANT will support the AGENCY in publishing procurement notices and advertisements on appropriate forums, and will post procurement documents for all contracts on, e.g., Oregon Buys, DJC.
- AGENCY's designated legal counsel will draft the terms and conditions and provide legal review or approvals.
- Final deliverable review assumes one internal review draft, one AGENCY/STAKEHOLDER (ODOT, ORDOJ, WSDOT, Local Tribes etc.) review draft, one Industry review, and a final version for public advertisement.
- AGENCY/STAKEHOLDER review will be completed within fifteen (15) working days of delivery from CONSULTANT. Delayed response by external reviewers will affect delivery schedule.
- CONSULTANT will deliver procurement documents digitally (.docx for drafts and .PDF for final).

Activities:

- Develop supporting documents as required by Oregon State code to support procurement method.
- Author procurement documents for the PDB Contract including:
 - Solicitation Notices
 - Instructions to Proposers, Evaluation Criteria, and Forms
 - PDB Statements of Work
 - Technical requirements include the following disciplines as needed
 - Project Management and Controls
 - Communication
 - Tribal and Stakeholder Outreach
 - Survey
 - Geotechnical
 - Environmental
 - Roadway
 - Utilities
 - Structures
 - Hydraulics
 - Landscape and Aesthetics
 - Traffic Signals
 - Illumination
 - Signing
 - Intelligent Transportation Systems
 - Tolling
 - Pavement
 - Maintenance of Traffic
 - Railroad
 - Right of Way
- Develop PDB RFP reference documents and organize existing documents.
- Review and comment on PDB terms and conditions.

Deliverables:

- [13.3.1. Request for Proposal \(RFP\) – Agency Review](#)
- [13.3.2. Request for Proposal \(RFP\) – Final Draft \(Future Amendment\)](#)
- [13.3.3. Industry and Pre-Proposal presentation and materials \(Future Amendment\)](#)
- [13.3.4. Responses to Proposer Requests for Information and addenda \(Future Amendment\)](#)
- [13.3.5. Responsiveness/Responsibility Determination materials \(Future Amendment\)](#)
- [13.3.6. Evaluation Training and Materials \(Future Amendment\)](#)
- [13.3.7. Proposer Interview Questions \(Future Amendment\)](#)
- [13.3.8. Award and Execution documents \(Future Amendment\)](#)

Project: **Hood River - White Salmon Bridge Replacement Project**

Contract: **Replacement Bridge Management Contract**

Amend #: **03**

thru **6/30/23**

Budget: **\$5,478,111**

Date: **February 1, 2023**



EXHIBIT B

REVISED BUDGET

		AMENDMENT	00	01	02	03		AMENDMENT	00	01	02	03		
		TOTAL HOURS	7,203	11,438	5,451	-120	23,972	TOTAL BUDGET	\$ 1,739,908	\$ 2,525,623	\$ 1,204,134	\$ (38)	\$ 5,469,627	
Task ID	Task Description						HOURS	ID						BUDGET
1	Project Management & Administration	1,992	1,994	-	-	3,986	1	\$ 487,762	\$ 420,970	\$ -	\$ -	\$ 908,733		
1.1	Project Management	652	1,224			1,876	1.1	\$ 154,171	\$ 244,533			\$ 398,704		
1.2	Chartering Workshop	60				60	1.2	\$ 17,254				\$ 17,254		
1.3	Document Control Plan	416	150			566	1.3	\$ 82,471	\$ 34,305			\$ 116,776		
1.4	Project Debriefs (Existing Contracts)	68	70			138	1.4	\$ 18,576	\$ 18,533			\$ 37,109		
1.5	Contract Administration	220	280			500	1.5	\$ 45,816	\$ 55,270			\$ 101,086		
1.6	Invoice/Progress Reporting	224	70			294	1.6	\$ 54,904	\$ 18,533			\$ 73,437		
1.7	Meetings	352	200			552	1.7	\$ 114,569	\$ 49,796			\$ 164,366		
2	Risk Management	290	400	-	-	690	2	\$ 73,128	\$ 83,708	\$ -	\$ -	\$ 156,835		
2.1	Risk Management Plan	56				56	2.1	\$ 13,614				\$ 13,614		
2.2	Risk Workshop	62				62	2.2	\$ 16,624				\$ 16,624		
2.3	Risk Register	172	280			452	2.3	\$ 42,889	\$ 58,247			\$ 101,136		
2.4	Project Cost Estimate		120			120	2.4		\$ 25,461			\$ 25,461		
						-						\$ -		
						-						\$ -		
3	Change Management	-	120	-	-	120	3	\$ -	\$ 25,461	\$ -	\$ -	\$ 25,461		
3.1	Change Management Plan		120			120	3.1		\$ 25,461			\$ 25,461		
						-						\$ -		
						-						\$ -		
						-						\$ -		
						-						\$ -		
						-						\$ -		
4	Quality	137	304	-	-	441	4	\$ 28,964	\$ 65,993	\$ -	\$ -	\$ 94,957		
4.1	Quality Management Plan	124				124	4.1	\$ 25,482				\$ 25,482		
4.2	Quality Training	13				13	4.2	\$ 3,482				\$ 3,482		
4.3	Quality Assurance		304			304	4.3		\$ 65,993			\$ 65,993		
						-						\$ -		
						-						\$ -		
						-						\$ -		
5	Project Controls	642	80	-	-	722	5	\$ 154,554	\$ 16,974	\$ -	\$ -	\$ 171,528		
5.1	Project Control Plan	120				120	5.1	\$ 28,470				\$ 28,470		
5.2	Project Dashboard	80				80	5.2	\$ 19,932				\$ 19,932		

		AMENDMENT	00	01	02	03		AMENDMENT	00	01	02	03	
		TOTAL HOURS	7,203	11,438	5,451	-120	23,972	TOTAL BUDGET	\$ 1,739,908	\$ 2,525,623	\$ 1,204,134	\$ (38)	\$ 5,469,627
Task ID	Task Description					HOURS		ID					BUDGET
5.3	Integrated Project Schedule	168				168		5.3	\$ 41,995				\$ 41,995
5.4	Sub Project Schedules	274	80			354		5.4	\$ 64,156	\$ 16,974			\$ 81,130
5.5	Technology Plan					-		5.5					\$ -
						-							\$ -
6	Communication	790	140	917	-	1,847		6	\$ 113,726	\$ 37,066	\$ 123,827	\$ -	\$ 274,619
6.1	Public Involvement and Communication Plan	178		110		288		6.1	\$ 24,507		\$ 14,041		\$ 38,549
6.2	Strategic Communication Support	42				42		6.2	\$ 8,704				\$ 8,704
6.3	Strategic Communication Support	252		557		809		6.3	\$ 35,314		\$ 72,285		\$ 107,599
6.4	Public Involvement & Project Branding	198		195		393		6.4	\$ 24,499		\$ 28,482		\$ 52,981
6.5	Meetings	120	140	55		315		6.5	\$ 20,702	\$ 37,066	\$ 9,019		\$ 66,787
						-							\$ -
7	Funding, Financing and Tolling	792	150	2,076	-	3,018		7	\$ 205,798	\$ 35,507	\$ 540,622	\$ -	\$ 781,927
7.1	Financial Planning/Modeling & Scenarios	156	80			236		7.1	\$ 33,282	\$ 16,974			\$ 50,256
7.2	Workshops	156				156		7.2	\$ 36,777				\$ 36,777
7.3	Competitive Grant Services	280		866		1,146		7.3	\$ 76,685		\$ 211,080		\$ 287,764
7.4	Traffic and Revenue Advisory Services	8		1,106		1,114		7.4	\$ 3,108		\$ 297,932		\$ 301,040
7.5	Meetings	192	70	104		366		7.5	\$ 55,947	\$ 18,533	\$ 31,610		\$ 106,090
						-							\$ -
8	Delivery Method	692	-	-	-	692		8	\$ 205,379	\$ -	\$ -	\$ -	\$ 205,379
8.1	Delivery Method Analysis	202				202		8.1	\$ 67,488				\$ 67,488
8.2	Delivery Method Workshop	212				212		8.2	\$ 60,631				\$ 60,631
8.3	Industry Outreach	278				278		8.3	\$ 77,260				\$ 77,260
8.4	#N/A					-		8.4					\$ -
						-							\$ -
						-							\$ -
9	Environmental & Regulatory	1,008	784	2,458	-	4,250		9	\$ 205,783	\$ 136,954	\$ 441,285	\$ -	\$ 784,022
9.1	Environmental Coordination (NEPA)	96	32	40		168		9.1	\$ 22,749	\$ 8,472	\$ 7,310		\$ 38,531
9.2	Environmental Compliance Plan	202				202		9.2	\$ 31,076				\$ 31,076
9.3	Environmental Compliance Workshop	52				52		9.3	\$ 11,442				\$ 11,442
9.4	Regulatory Agency Coordination	296				296		9.4	\$ 60,963				\$ 60,963
9.5	Tribal Coordination	266	70	2,282		2,618		9.5	\$ 57,612	\$ 18,533	\$ 412,981		\$ 489,126
9.6	Railroad Coordination	96	320			416		9.6	\$ 21,942	\$ 60,320			\$ 82,262
9.7	Geotechnical Investigations Regulatory Permitting		362			362		9.7		\$ 49,628			\$ 49,628
9.8	Preliminary Permits			136		136		9.8			\$ 20,994		\$ 20,994
						-							\$ -
						-							\$ -
10	Right-Of-Way	60	211	-	-	271		10	\$ 7,186	\$ 20,121	\$ -	\$ -	\$ 27,307
10.1	Right of Way (ROW) - Acquisition Plan	60	211			271		10.1	\$ 7,186	\$ 20,121			\$ 27,307
						-							\$ -

		AMENDMENT	00	01	02	03		AMENDMENT	00	01	02	03		
		TOTAL HOURS	7,203	11,438	5,451	-120	23,972	TOTAL BUDGET	\$ 1,739,908	\$ 2,525,623	\$ 1,204,134	\$ (38)	\$ 5,469,627	
Task ID	Task Description						HOURS	ID						BUDGET
						-							\$ -	
						-							\$ -	
						-							\$ -	
						-							\$ -	
11	Engineering	152	7,135	-	(1,500)	5,787	11	\$ 34,812	\$ 1,074,856	\$ -	\$ (261,537)		\$ 848,132	
11.1	Preliminary Engineering		3,380		(1,500)	1,880	11.1		\$ 556,993		\$ (261,537)		\$ 295,456	
11.2	Geotechnical - Exploration Memo	152				152	11.2	\$ 34,812					\$ 34,812	
11.3	Geotechnical - Site Reconnaissance		25			25	11.3		\$ 4,571				\$ 4,571	
11.4	Geotechnical - Subsurface Exploration Plan		204			204	11.4		\$ 33,422				\$ 33,422	
11.5	Geotechnical - Subsurface Explorations		720			720	11.5		\$ 102,701				\$ 102,701	
11.6	Geotechnical - Laboratory Testing		104			104	11.6		\$ 17,684				\$ 17,684	
11.7	Geotechnical - Geotech Data Report		258			258	11.7		\$ 37,777				\$ 37,777	
11.8	Geotechnical - Preliminary Analysis and Memo		856			856	11.8		\$ 139,689				\$ 139,689	
11.9	Geotechnical - Meetings		112			112	11.9		\$ 23,963				\$ 23,963	
11.10*	Geotechnical - Contract Management		124			124	11.10*		\$ 20,423				\$ 20,423	
11.11	Geotechnical - Hazmat Contingency					-	11.11						\$ -	
11.12	Utility Relocation Management		400			400	11.12		\$ 53,907				\$ 53,907	
11.13	Survey		952			952			\$ 83,726				\$ 83,726	
						-							\$ -	
12	Construction	80	120	-	-	200	12	\$ 25,510	\$ 38,265	\$ -	\$ -		\$ 63,774	
12.1	Constructability Staging Evaluation	80	120			200	12.1	\$ 25,510	\$ 38,265				\$ 63,774	
						-							\$ -	
						-							\$ -	
						-							\$ -	
						-							\$ -	
						-							\$ -	
13	Contracting	568	-	-	1,380	1,948	13	\$ 101,608	\$ -	\$ -	\$ 261,498		\$ 363,106	
13.1	Contract Procurements	392				392	13.1	\$ 69,412					\$ 69,412	
13.2	Meetings	176				176	13.2	\$ 32,196					\$ 32,196	
13.3	RFP Development				1,380	1,380	13.3				\$ 261,498		\$ 261,498	
						-							\$ -	
						-							\$ -	
						-							\$ -	
SUBTOTAL - HOURS & DIRECT LABOR		7,203	11,438	5,451	(120)	23,972		\$ 1,644,211	\$ 1,955,873	\$ 1,105,734	\$ (38)		\$ 4,705,780	

DIRECT EXPENSES		Total
00	Original Contract	\$ 95,697
01	Amendment #01	\$ 569,750
02	Amendment #02	\$ 106,846

		AMENDMENT	00	01	02	03		AMENDMENT	00	01	02	03		
		TOTAL HOURS	7,203	11,438	5,451	-120	23,972	TOTAL BUDGET	\$ 1,739,908	\$ 2,525,623	\$ 1,204,134	\$ (38)	\$ 5,469,627	
Task ID	Task Description						HOURS						BUDGET	
								ID						
								03	Amendment #03					\$ 38
							SUBTOTAL - DIRECT EXPENSES						\$ 772,331	
TOTAL REVISED BUDGET												\$ 5,478,111		