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# **Long-Term Sediment Management for the Federal Navigation Channel at or Near the Confluence of the Lower Snake and Clearwater Rivers**

**Tiered Environmental Impact Statement**

**Appendix B – Cost Engineering**



**US Army Corps  
of Engineers** ®  
Walla Walla District  
**BUILDING STRONG**®

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**May 2026**

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- Abbreviated Risk Register
- MCACES Summary
- Total Project Cost Summary (TPCS)

## 1. INTRODUCTION

This appendix summarizes the process of estimating costs for alternatives. The first section discusses the development of cost estimates prepared for the array of alternatives. This report discusses the final array cost estimates which have been developed using Micro Computer Assisted Cost Estimating Software (MCACES) (Version MII).

## 2. COST ESTIMATE

Cost estimates have been developed for four action alternatives using MCACES (MII) software. The following is a summary of all key information and assumptions used to develop the total costs of the action alternatives.

### 2.1. Alternative Descriptions

The following is a list of the action alternatives estimated within MCACES.

- Alternative 1 – No Action
  - Includes the currently assumed O&M dredging of 1,875,000 cy over 7 events for the 50-year period.
- Alternative 2 – In-Water Training Structures + Dredging and Disposal
  - Includes a single 1,650-foot rock dike across from the Port of Lewiston. Initial rock volumes are estimated to be 64,190 cy, with initial dredging volumes being 375,000 cy. O&M dredging over the 50-year period is expected to be 1,000,408 cy over 7 events.
- Alternative 3 – Sediment Trap + Dredging and Disposal
  - Includes construction of a submerged rock weir near the Southway Bridge to trap sediment. Initial rock volumes are estimated to be 30,000 cy, with initial dredging volumes of 375,000 cy. O&M dredging over the 50-year period is expected to be 5,980,000 cy over 7 events.
- Alternative 4 – Non-Structural: Seasonal Drawdown
  - Includes lowering the Lower Granite Reservoir by 10 to 15 feet for 30 to 45 days each Spring to increase river velocity and decrease sediment accumulation. There are no initial construction volumes or cost. O&M dredging over the 50-year period is expected to be 700,000 cy over 10 events.
- Alternative 5 – Relocate and/or Reconfigure Affected Federal Facilities + Dredging and Disposal
  - Includes shifting the navigation channel near the Port of Clarkston to take advantage of natural deeper water and reduce the need for O&M dredging. Initial construction is estimated to include 215,765 cy of dredging. O&M dredging over the 50-year period is expected to be 863,060 cy over 7 events.
- Alternative 6 – Combination of Alternatives 2, 4, and 5
  - Includes a combination of alternatives 2, 4, and 5. Initial rock volumes are estimated to be 30,300 cy, with initial dredging volumes being 234,585 cy. O&M dredging over the 50-year period is expected to be 368,228 cy over 7 events.

## 2.2. Cost Item Assumptions

The MCACES estimate includes key cost activities with the following assumptions:

- Mobilization and Demobilization – Mobilization for the Prime and Subcontractor is assumed to be from as far as Seattle, Washington, to allow for a fair and reasonable estimate to competition. The Prime Contractor is assumed to be a dredging contractor that will mobilize a clamshell dredge, split-hull scows, and associated marine support equipment. The average, escalated mobilization cost for recent dredging projects near the project site was used to estimate expected mobilization costs. It is expected that the dredging and rock placement will use similar or the same floating plant.
- Dredging – All alternatives – The dredging is assumed to be completed via a clamshell dredge. Initial and O&M dredging costs were estimated from the average, escalated O&M dredging costs for the region, as the O&M work is expected to comprise of typical soft sediments found within the Snake River and Columbia River systems in the region.
- Rock Work – All Alternatives – All rock work was estimated using the average, escalated cubic yard price for similar underwater structures recently constructed within the Columbia River by Portland District. It is assumed that all rock will be placed by a floating crane or excavator. More precise pricing is not available without further design considerations, such as, rock size, rock density, structure porosity, tolerances, environmental placement restrictions, pay methods, rock sources, transportation from the rock sources, required means or methods for placement, and site conditions.

A summary of costs for each alternative at each proposed depth followed by a printout of the MCACES costs is presented in Annex A.

## 2.3. Total Project Cost Summaries

Total project cost summaries for each of the alternatives have been developed. The total project costs include the construction costs developed from the MCACES, as well as the following:

- PED Costs – Assumed to be 25.5 percent of construction costs.
- CM Costs – Assumed to be 12.5 percent of construction costs.
- Contingencies as calculated by the ARA for each alternative are:
  - Alternative 1 - 50 percent
  - Alternative 2 - 137 percent
  - Alternative 3 - 137 percent
  - Alternative 4 - 90 percent
  - Alternative 5 - 82 percent
  - Alternative 6 - 137 percent

Table 1 provides a summary of the total costs for the six alternatives. Unit costs were provided from MCACES.

**Table 1. Summary of Total Project Cost per Alternative.**

| <b>Alternative</b> | <b>Summary Cost</b> |
|--------------------|---------------------|
| 1                  | \$368,580,000       |
| 2                  | \$535,527,000       |
| 3                  | \$1,455,245,000     |
| 4                  | \$328,213,000       |
| 5                  | \$302,715,000       |
| 6                  | \$354,254,000       |

### **3. COST ESTIMATE BASIS AND DETAILS**

#### **3.1. Basis of Quantities**

Quantities used in the creation of the cost estimate were provided by the PDT in the main document.

#### **3.2. Acquisition Plan**

The alternative estimates all assume similar acquisition plans. The alternative estimates assume the prime contractor being a dredging contractor, assumed capable of handling all portions of the marine activities. The typical bidder pool in the area may mean a Small Business set aside but limitations to competition will not be known until sources sought.

#### **3.3. Project Construction**

The following is a list of key construction activities with a discussion of the primary assumptions used in developing unit prices:

- Mobilization/Demobilization – It is assumed that the dredging contractor will mobilize from as far as Seattle, Washington and will mobilize similar equipment to other projects in the region, with a 10-cy class clamshell dredge, two split-hull scows with approximately a 2,000-cy capacity, and support equipment, such as small tugs and a crew boat.
- Staging and Site Access – The contractor will secure dock space at a local dock or

marina for the main dredging scope of the contractor.

- **Construction Activities**
  - **Dredging** – It is assumed that the contractor will have a 10 cubic yard class size dredge to perform the dredging. 2,000 cubic yard scows, filled to approximately 1000 cubic yards, are assumed. A 2000 horsepower towing vessel is assumed to tow the scow between the dredge and disposal.
  - **Rock Placement** – It is assumed that the contractor will use similar or the same equipment for the rock placement as for the dredging. It is likely that rock placement will be from a clamshell dredge operating as a floating crane. This will allow the contractor to place the rock within the tolerances that will likely be specified in later project development. This same method of placement was used for the projects referenced for the parametric estimates.

### **3.4. Unique Construction Techniques**

The in-water rock placement has been performed but is not common in the region, especially at the volumes expected for several of the alternatives. Actual costs will depend highly on the source of rock, contractor equipment, contractor techniques, exact site characteristics, and specifications associated with the rock placement.

### **3.5. Equipment and Labor Availability**

It is assumed that equipment and labor availability will be similar to the projects referenced for the parametric costs and will be local to the Pacific Northwest region. Contractors that work within the region typically keep their equipment near Portland, Oregon or Seattle, Washington.

### **3.6. Escalation and Contingency**

- **Escalation** – Price levels have been escalated from the effective price date of the construction cost estimate to the mid-points of construction for each alternative. The appropriate escalation factors for each date and each feature account have been calculated within the Total Project Cost Summary (TPCS) spreadsheets.
- **Contingency** – An abbreviated risk analysis (ARA) was completed to develop alternative specific contingencies for the final array cost estimates. A single risk register was developed, that separated primary construction components for use in the ARA spreadsheet. This allows for alternative specific contingencies to be estimated from a single risk register. The risk register is provided in Annex A.

### **3.7. Planning Engineering and Design and Construction Management**

- **30 Account, Planning, Engineering and Design** – Costs for this account were estimated as percentages of the construction costs for each alternative. This account covers the preparation of plans, specifications, and engineering during construction. The estimates

assume 25.5 percent of construction costs to cover PED.

- 31 Account, Construction Management – Costs for this account were estimated as percentages of construction costs for each alternative. This cost is assumed to cover construction management efforts during construction. The estimates assume 12.5 percent of construction costs for this account.

### **3.8. MCACES Construction Cost Estimate**

The construction cost estimates were developed using MCACES 2<sup>nd</sup> Generation (MII), version 4.4.4, cost estimating software in accordance with regulation contained in ER 1110-2-1302, Civil Works Cost Engineering. See Annex A for the MCACES construction cost estimate summary output report.

### **3.9. Total Project Cost Summary**

TPCS spreadsheets for each of the six final array alternatives have been developed using the latest TPCS Excel spreadsheet as provided by USACE, Walla Walla District. The TPCS incorporates the construction costs, project markups and functional costs as discussed previously. See Annex A for the TPCS spreadsheets for each of the six alternatives.

**ANNEX A: COST ESTIMATES BACKUP AND MCACES SUMMARY**

**Project Name**

Feasibility (Alternatives)  
Abbreviated Risk Analysis

Meeting Date: 0-Jan-00

| Risk Level  |            |          |          |             |          |
|-------------|------------|----------|----------|-------------|----------|
| Very Likely | 2          | 3        | 4        | 5           | 5        |
| Likely      | 1          | 2        | 3        | 4           | 5        |
| Possible    | 0          | 1        | 2        | 3           | 4        |
| Unlikely    | 0          | 0        | 1        | 2           | 3        |
|             | Negligible | Marginal | Moderate | Significant | Critical |

**Risk Register**

| Risk Element                                 | Feature of Work                                | Concerns  | PDT Discussions & Conclusions<br>(Include logic & justification for choice of Likelihood & Impact)  | Impact      | Likelihood | Risk Level |
|--|--|---|---|-------------|------------|------------|
| <b>Project Management &amp; Scope Growth</b> |  |   | <b>Maximum Project Growth</b>   |             | <b>75%</b> |            |
| PS-1   | Alt 1 - No Action                              |   |   | Negligible  | Unlikely   | 0          |
| PS-2   | Alt 2 - In Water Training Structures           | Early project stages  | Scope growth is common as projects progress through engineering and design.   | Significant | Likely     | 4          |
| PS-3   | Alt 3: Sediment Trap + Dredging and Disposal   | Early project stages  | Scope growth is common as projects progress through engineering and design.   | Significant | Likely     | 4          |
| PS-4   | Alt 4 - Non-Structural: Seasonal Drawdown      | Early project stages  | Scope growth is common as projects progress through engineering and design.   | Significant | Likely     | 4          |
| PS-5   | Alt 5: Relocate and/or Reconfigure Affected    | Early project stages  | Scope growth is common as projects progress through engineering and design.   | Significant | Likely     | 4          |
| PS-6   | Alt 6: Combination of Alternatives 2, 4, and 5 | Early project stages  | Scope growth is common as projects progress through engineering and design.   | Significant | Likely     | 4          |
| <b>Acquisition Strategy</b>                  |  |   | <b>Maximum Project Growth</b>   |             | <b>30%</b> |            |
| AS-1   | Alt 1 - No Action                              | Unknown Acquisition Strategy  | Each piece is small enough for a set aside that could limit competition   | Marginal    | Possible   | 1          |
| AS-2   | Alt 2 - In Water Training Structures           | Unknown Acquisition Strategy  | Each piece is small enough for a set aside that could limit competition   | Marginal    | Possible   | 1          |
| AS-3   | Alt 3: Sediment Trap + Dredging and Disposal   | Unknown Acquisition Strategy  | Each piece is small enough for a set aside that could limit competition   | Marginal    | Possible   | 1          |
| AS-4   | Alt 4 - Non-Structural: Seasonal Drawdown      | Unknown Acquisition Strategy  | Each piece is small enough for a set aside that could limit competition   | Marginal    | Possible   | 1          |
| AS-5   | Alt 5: Relocate and/or Reconfigure Affected    | Unknown Acquisition Strategy  | Each piece is small enough for a set aside that could limit competition   | Marginal    | Possible   | 1          |
| AS-6   | Alt 6: Combination of Alternatives 2, 4, and 5 | Unknown Acquisition Strategy  | Each piece is small enough for a set aside that could limit competition   | Marginal    | Possible   | 1          |
| <b>Construction Elements</b>                 |  |   | <b>Maximum Project Growth</b>   |             | <b>25%</b> |            |
| CE-1   | Alt 1 - No Action                              |   |   | Negligible  | Unlikely   | 0          |
| CE-2   | Alt 2 - In Water Training Structures           | Rock placement not performed in the district recently/before. Unknown initial dredging materials. | The rock placement is not performed in the district (unlike dredging) and will narrow the pool of contractors. It will also take more planning, sourcing, and coordination than dredging work. The materials to be dredged in the initial period are unknown. | Critical    | Likely     | 5          |
| CE-3   | Alt 3: Sediment Trap + Dredging and Disposal   | Rock placement not performed in the district recently/before. Unknown initial dredging materials. | The rock placement is not performed in the district (unlike dredging) and will narrow the pool of contractors. It will also take more planning, sourcing, and coordination than dredging work. The materials to be dredged in the initial period are unknown. | Critical    | Likely     | 5          |
| CE-4   | Alt 4 - Non-Structural: Seasonal Drawdown      |   |   | Negligible  | Unlikely   | 0          |
| CE-5   | Alt 5: Relocate and/or Reconfigure Affected    |   |   | Negligible  | Unlikely   | 0          |

|  |  |   |   |             |          |                               |            |
|--|--|---|---|-------------|----------|-------------------------------|------------|
| CE-6   | Alt 6: Combination of Alternatives 2, 4, and 5 | Rock placement not performed in the district recently/before. Unknown initial dredging materials. | The rock placement is not performed in the district (unlike dredging) and will narrow the pool of contractors. It will also take more planning, sourcing, and coordination than dredging work. The materials to be dredged in the initial period are unknown. | Critical    | Likely   | 5                             |            |
| <b>Specialty Construction or Fabrication</b> |  |   |   |             |          | <b>Maximum Project Growth</b> | <b>65%</b> |
| SC-1   | Alt 1 - No Action                              |   |   | Negligible  | Unlikely | 0                             |            |
| SC-2   | Alt 2 - In Water Training Structures           |   |   | Negligible  | Unlikely | 0                             |            |
| SC-3   | Alt 3: Sediment Trap + Dredging and Disposal   | Large submerged structures aren't common construction   | Constructing large underwater structures isn't common. Covered above.   | Negligible  | Unlikely | 0                             |            |
| SC-4   | Alt 4 - Non-Structural: Seasonal Drawdown      |   |   | Negligible  | Unlikely | 0                             |            |
| SC-5   | Alt 5: Relocate and/or Reconfigure Affected    |   |   | Negligible  | Unlikely | 0                             |            |
| SC-6   | Alt 6: Combination of Alternatives 2, 4, and 5 | Large submerged structures aren't common construction   | Constructing large underwater structures isn't common. Covered above.   | Negligible  | Unlikely | 0                             |            |
| <b>Technical Design &amp; Quantities</b>     |  |   |   |             |          | <b>Maximum Project Growth</b> | <b>30%</b> |
| T-1  | Alt 1 - No Action                              | Estimated O&M is based on past quantities   | Quantities could vary, but are likely marginal.   | Marginal    | Unlikely | 0                             |            |
| T-2  | Alt 2 - In Water Training Structures           | Construction tolerances. Estimated O&M.   | Construction tolerances could critically increase costs due to extra volume. Tight tolerances could critically increase costs due to nonpay and lowered productivity. O&M quantities could vary from estimates due to new system.                             | Critical    | Likely   | 5                             |            |
| T-3  | Alt 3: Sediment Trap + Dredging and Disposal   | Construction tolerances. Estimated O&M.   | Construction tolerances could critically increase costs due to extra volume. Tight tolerances could critically increase costs due to nonpay and lowered productivity. O&M quantities could vary from estimates due to new system.                             | Critical    | Likely   | 5                             |            |
| T-4  | Alt 4 - Non-Structural: Seasonal Drawdown      | Estimated O&M.  | O&M quantities could vary from estimates due to new system.   | Significant | Possible | 3                             |            |
| T-5  | Alt 5: Relocate and/or Reconfigure Affected    | Estimated O&M.  | O&M quantities could vary from estimates due to new system.   | Marginal    | Unlikely | 0                             |            |
| T-6  | Alt 6: Combination of Alternatives 2, 4, and 5 | Construction tolerances. Estimated O&M.   | Construction tolerances could critically increase costs due to extra volume. Tight tolerances could critically increase costs due to nonpay and lowered productivity. O&M quantities could vary from estimates due to new system.                             | Critical    | Likely   | 5                             |            |
| <b>Cost Estimate Assumptions</b>             |  |   |   |             |          | <b>Maximum Project Growth</b> | <b>35%</b> |
| EST-1  | Alt 1 - No Action                              | Parametric estimate.  | Exact project parameters will be a different cost (could also be an opportunity)  | Critical    | Possible | 4                             |            |
| EST-2  | Alt 2 - In Water Training Structures           | Parametric estimate.  | Exact project parameters will be a different cost (could also be an opportunity)  | Critical    | Possible | 4                             |            |
| EST-3  | Alt 3: Sediment Trap + Dredging and Disposal   | Parametric estimate.  | Exact project parameters will be a different cost (could also be an opportunity)  | Critical    | Possible | 4                             |            |
| EST-4  | Alt 4 - Non-Structural: Seasonal Drawdown      | Parametric estimate.  | Exact project parameters will be a different cost (could also be an opportunity)  | Critical    | Possible | 4                             |            |
| EST-5  | Alt 5: Relocate and/or Reconfigure Affected    | Parametric estimate.  | Exact project parameters will be a different cost (could also be an opportunity)  | Critical    | Possible | 4                             |            |
| EST-6  | Alt 6: Combination of Alternatives 2, 4, and 5 | Parametric estimate.  | Exact project parameters will be a different cost (could also be an opportunity)  | Critical    | Possible | 4                             |            |
| <b>External Project Risks</b>                |  |   |   |             |          | <b>Maximum Project Growth</b> | <b>40%</b> |
| EX-1   | Alt 1 - No Action                              | Long duration for O&M. Inflation higher than estimated.   | There is a long duration and there will likely be some years with higher than average inflation.  | Significant | Likely   | 4                             |            |
| EX-2   | Alt 2 - In Water Training Structures           | Long duration for O&M. Inflation higher than estimated.   | There is a long duration and there will likely be some years with higher than average inflation.  | Significant | Likely   | 4                             |            |
| EX-3   | Alt 3: Sediment Trap + Dredging and Disposal   | Long duration for O&M. Inflation higher than estimated.   | There is a long duration and there will likely be some years with higher than average inflation.  | Significant | Likely   | 4                             |            |

|      |  |   |  |             |        |          |
|------|--|---|--|-------------|--------|----------|
| EX-4 | Alt 4 - Non-Structural: Seasonal Drawdown      | Long duration for O&M. Inflation higher than estimated. | There is a long duration and there will likely be some years with higher than average inflation. | Significant | Likely | <b>4</b> |
| EX-5 | Alt 5: Relocate and/or Reconfigure Affected    | Long duration for O&M. Inflation higher than estimated. | There is a long duration and there will likely be some years with higher than average inflation. | Significant | Likely | <b>4</b> |
| EX-6 | Alt 6: Combination of Alternatives 2, 4, and 5 | Long duration for O&M. Inflation higher than estimated. | There is a long duration and there will likely be some years with higher than average inflation. | Significant | Likely | <b>4</b> |

260121 Confluence Alts

Estimated by Adam Mamrak - NWW Cost MCX  
Designed by NWW  
Prepared by Adam Mamrak - NWW Cost MCX

Preparation Date 1/23/2026  
Effective Date of Pricing 10/1/2025  
Estimated Construction Time Days

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| <b>Description</b>  | <b>Quantity</b> | <b>UOM</b> | <b>DirectCost</b>     | <b>CostToPrime</b>    | <b>ProjectCost</b>    |
|---|-----------------|------------|-----------------------|-----------------------|-----------------------|
| <b>Project Cost Summary Report</b>  |                 |            | <b>568,667,937</b>    | <b>568,667,937</b>    | <b>568,667,937</b>    |
|   |                 |            | <i>80,837,500.00</i>  | <i>80,837,500.00</i>  | <i>80,837,500.00</i>  |
| <b>Alt 1 - No Action</b>  | <b>1.00</b>     | <b>EA</b>  | <b>80,837,500</b>     | <b>80,837,500</b>     | <b>80,837,500</b>     |
|   |                 |            | <i>94,306,875.20</i>  | <i>94,306,875.20</i>  | <i>94,306,875.20</i>  |
| <b>Alt 2 - In Water Training Structures</b>   | <b>1.00</b>     | <b>EA</b>  | <b>94,306,875</b>     | <b>94,306,875</b>     | <b>94,306,875</b>     |
|   |                 |            | <i>215,949,500.00</i> | <i>215,949,500.00</i> | <i>215,949,500.00</i> |
| <b>Alt 3: Sediment Trap + Dredging and Disposal</b>   | <b>1.00</b>     | <b>EA</b>  | <b>215,949,500</b>    | <b>215,949,500</b>    | <b>215,949,500</b>    |
|   |                 |            | <i>56,830,000.00</i>  | <i>56,830,000.00</i>  | <i>56,830,000.00</i>  |
| <b>Alt 4 - Non-Structural: Seasonal Drawdown</b>  | <b>1.00</b>     | <b>EA</b>  | <b>56,830,000</b>     | <b>56,830,000</b>     | <b>56,830,000</b>     |
|   |                 |            | <i>59,420,392.50</i>  | <i>59,420,392.50</i>  | <i>59,420,392.50</i>  |
| <b>Alt 5: Relocate and/or Reconfigure Affected Federal Facilities + Dredging and Disposal</b> | <b>1.00</b>     | <b>EA</b>  | <b>59,420,393</b>     | <b>59,420,393</b>     | <b>59,420,393</b>     |
|   |                 |            | <i>61,323,669.70</i>  | <i>61,323,669.70</i>  | <i>61,323,669.70</i>  |
| <b>Alt 6: Combination of Alternatives 2, 4, and 5</b>   | <b>1.00</b>     | <b>EA</b>  | <b>61,323,670</b>     | <b>61,323,670</b>     | <b>61,323,670</b>     |

\*\*\*\* TOTAL PROJECT COST SUMMARY \*\*\*\*

PROJECT: Tiered Analysis From the Lower Snake River  
PROJECT NO: P2 xxxxxx  
LOCATION: Asotin, Whitman, and Garfield Counties

DISTRICT: NWW District  
POC: CHIEF, COST ENGINEERING, Derek Nelson

PREPARED: 1/23/2026

This Estimate reflects the scope and schedule in report; Tiered Environmental Impact Statement

| Civil Works Work Breakdown Structure |   | ESTIMATED COST     |                    |                  |                     | PROJECT FIRST COST<br>(Constant Dollar Basis) |                    |                    |                     |  | TOTAL PROJECT COST<br>(FULLY FUNDED) |                                   |                      |                    |                    |                    |
|--------------------------------------|---|--------------------|--------------------|------------------|---------------------|---|--------------------|--------------------|---------------------|--|--------------------------------------|-----------------------------------|----------------------|--------------------|--------------------|--------------------|
| WBS<br>NUMBER<br>A                   | Civil Works<br>Feature & Sub-Feature Description<br>B | COST<br>(\$K)<br>C | CNTG<br>(\$K)<br>D | CNTG<br>(%)<br>E | TOTAL<br>(\$K)<br>F | ESC<br>(%)<br>G                               | COST<br>(\$K)<br>H | CNTG<br>(\$K)<br>I | TOTAL<br>(\$K)<br>J | Program Year (Budget EC): 2026<br>Effective Price Level Date: 1 OCT 25 |                                      | TOTAL FIRST<br>COST<br>(\$K)<br>K | INFLATED<br>(%)<br>L | COST<br>(\$K)<br>M | CNTG<br>(\$K)<br>N | FULL<br>(\$K)<br>O |
|                                      |   |                    |                    |                  |                     |   |                    |                    |                     | Spent Thru:<br>1-Oct-25<br>(\$K)                                       |                                      |                                   |                      |                    |                    |                    |
| 09                                   | CHANNELS & CANALS                                     | \$80,838           | \$40,419           | 50.0%            | \$121,257           | 0.0%  | \$80,838           | \$40,419           | \$121,257           |  | \$0                                  | \$121,257                         | 110.6%               | \$170,279          | \$85,139           | \$255,418          |
|                                      | <b>CONSTRUCTION ESTIMATE TOTALS:</b>                  | \$80,838           | \$40,419           |                  | \$121,257           | 0.0%  | \$80,838           | \$40,419           | \$121,257           |  | \$0                                  | \$121,257                         | 110.6%               | \$170,279          | \$85,139           | \$255,418          |
| 01                                   | LANDS AND DAMAGES                                     | \$0                | \$0                |                  | \$0                 | -   | \$0                | \$0                | \$0                 |  | \$0                                  | \$0                               |                      | \$0                | \$0                | \$0                |
| 30                                   | PLANNING, ENGINEERING & DESIGN                        | \$20,614           | \$10,307           | 50.0%            | \$30,921            | 0.0%  | \$20,614           | \$10,307           | \$30,921            |  | \$0                                  | \$30,921                          | 144.2%               | \$50,330           | \$25,165           | \$75,495           |
| 31                                   | CONSTRUCTION MANAGEMENT                               | \$10,105           | \$5,052            | 50.0%            | \$15,157            | 0.0%  | \$10,105           | \$5,052            | \$15,157            |  | \$0                                  | \$15,157                          | 148.5%               | \$25,111           | \$12,556           | \$37,667           |
| <b>PROJECT COST TOTALS:</b>          |   | \$111,556          | \$55,778           | 50.0%            | \$167,335           |   | \$111,556          | \$55,778           | \$167,335           |  | \$0                                  | \$167,335                         | 120.3%               | \$245,720          | \$122,860          | \$368,580          |

CHIEF, COST ENGINEERING, Derek Nelson

ESTIMATED TOTAL PROJECT COST: \$368,580

PROJECT MANAGER, Kathryn Wenger

CHIEF, REAL ESTATE, Allison Needham

CHIEF, PLANNING, Cindy Boen

Alt 1 - No Action

CHIEF, ENGINEERING, Dwayne Weston

CHIEF, OPERATIONS, Paul Ocker

CHIEF, CONSTRUCTION, Duane West

CHIEF, CONTRACTING, Hillary Morgan

CHIEF, PM-PB, Julie Balten

CHIEF, DPM, Julie Balten

\*\*\*\* TOTAL PROJECT COST SUMMARY \*\*\*\*

\*\*\*\* CONTRACT COST SUMMARY \*\*\*\*

PROJECT: Tiered Analysis From the Lower Snake River  
 LOCATION: Asotin, Whitman, and Garfield Counties  
 This Estimate reflects the scope and schedule in report; Tiered Environmental Impact Statement

DISTRICT: NWW District  
 POC: CHIEF, COST ENGINEERING, Derek Nelson

PREPARED: 1/23/2026

| Civil Works Work Breakdown Structure |   | ESTIMATED COST                      |            |          |             | PROJECT FIRST COST<br>(Constant Dollar Basis) |            |            |             | TOTAL PROJECT COST (FULLY FUNDED) |              |            |            |            |
|--------------------------------------|---|-------------------------------------|------------|----------|-------------|---|------------|------------|-------------|-----------------------------------|--------------|------------|------------|------------|
|                                      |   | Estimate Prepared: <b>23-Jan-26</b> |            |          |             | Program Year (Budget EC): 2026                |            |            |             |                                   |              |            |            |            |
|                                      |   | Effective Price Level: 1-Oct-25     |            |          |             | Effective Price Level Date: 1 OCT 25          |            |            |             |                                   |              |            |            |            |
|                                      |   | RISK BASED                          |            |          |             |   |            |            |             |                                   |              |            |            |            |
| WBS NUMBER                           | Civil Works Feature & Sub-Feature Description | COST (\$K)                          | CNTG (\$K) | CNTG (%) | TOTAL (\$K) | ESC (%)                                       | COST (\$K) | CNTG (\$K) | TOTAL (\$K) | Mid-Point Date                    | INFLATED (%) | COST (\$K) | CNTG (\$K) | FULL (\$K) |
| A                                    | B   | C                                   | D          | E        | F           | G   | H          | I          | J           | P                                 | L            | M          | N          | O          |
| <b>09</b>                            | <b>Structures</b><br>CHANNELS & CANALS        | \$0                                 | \$0        | 50.0%    | \$0         | 0.0%  | \$0        | \$0        | \$0         | 0                                 | 0.0%         | \$0        | \$0        | \$0        |
| <b>CONSTRUCTION ESTIMATE TOTALS:</b> |   | \$0                                 | \$0        | 0.0%     | \$0         |   | \$0        | \$0        | \$0         |                                   |              | \$0        | \$0        | \$0        |
| <b>01</b>                            | LANDS AND DAMAGES                             | \$0                                 | \$0        | 0.0%     | \$0         | 0.0%  | \$0        | \$0        | \$0         | 0                                 | 0.0%         | \$0        | \$0        | \$0        |
| <b>30</b>                            | PLANNING, ENGINEERING & DESIGN                |                                     |            |          |             |   |            |            |             |                                   |              |            |            |            |
| 2.5%                                 | Project Management                            | \$0                                 | \$0        | 50.0%    | \$0         | 0.0%  | \$0        | \$0        | \$0         | 0                                 | 0.0%         | \$0        | \$0        | \$0        |
| 1.0%                                 | Planning & Environmental Compliance           | \$0                                 | \$0        | 50.0%    | \$0         | 0.0%  | \$0        | \$0        | \$0         | 0                                 | 0.0%         | \$0        | \$0        | \$0        |
| 10.0%                                | Engineering & Design                          | \$0                                 | \$0        | 50.0%    | \$0         | 0.0%  | \$0        | \$0        | \$0         | 0                                 | 0.0%         | \$0        | \$0        | \$0        |
| 1.0%                                 | Reviews, ATRs, IEPRs, VE                      | \$0                                 | \$0        | 50.0%    | \$0         | 0.0%  | \$0        | \$0        | \$0         | 0                                 | 0.0%         | \$0        | \$0        | \$0        |
| 1.0%                                 | Life Cycle Updates (cost, schedule, risks)    | \$0                                 | \$0        | 50.0%    | \$0         | 0.0%  | \$0        | \$0        | \$0         | 0                                 | 0.0%         | \$0        | \$0        | \$0        |
| 1.0%                                 | Contracting & Reprographics                   | \$0                                 | \$0        | 50.0%    | \$0         | 0.0%  | \$0        | \$0        | \$0         | 0                                 | 0.0%         | \$0        | \$0        | \$0        |
| 3.0%                                 | Engineering During Construction               | \$0                                 | \$0        | 50.0%    | \$0         | 0.0%  | \$0        | \$0        | \$0         | 0                                 | 0.0%         | \$0        | \$0        | \$0        |
| 2.0%                                 | Planning During Construction                  | \$0                                 | \$0        | 50.0%    | \$0         | 0.0%  | \$0        | \$0        | \$0         | 0                                 | 0.0%         | \$0        | \$0        | \$0        |
| 3.0%                                 | Adaptive Management & Monitoring              | \$0                                 | \$0        | 50.0%    | \$0         | 0.0%  | \$0        | \$0        | \$0         | 0                                 | 0.0%         | \$0        | \$0        | \$0        |
| 1.0%                                 | Project Operations                            | \$0                                 | \$0        | 50.0%    | \$0         | 0.0%  | \$0        | \$0        | \$0         | 0                                 | 0.0%         | \$0        | \$0        | \$0        |
|                                      | Real Estate (All Federal Labor)               | \$0                                 | \$0        | 0.0%     | \$0         | 0.0%  | \$0        | \$0        | \$0         | 0                                 | 0.0%         | \$0        | \$0        | \$0        |
| <b>31</b>                            | CONSTRUCTION MANAGEMENT                       |                                     |            |          |             |   |            |            |             |                                   |              |            |            |            |
| 8.0%                                 | Construction Management                       | \$0                                 | \$0        | 50.0%    | \$0         | 0.0%  | \$0        | \$0        | \$0         | 0                                 | 0.0%         | \$0        | \$0        | \$0        |
| 2.0%                                 | Project Operation:                            | \$0                                 | \$0        | 50.0%    | \$0         | 0.0%  | \$0        | \$0        | \$0         | 0                                 | 0.0%         | \$0        | \$0        | \$0        |
| 2.5%                                 | Project Management                            | \$0                                 | \$0        | 50.0%    | \$0         | 0.0%  | \$0        | \$0        | \$0         | 0                                 | 0.0%         | \$0        | \$0        | \$0        |
| <b>CONTRACT COST TOTALS:</b>         |   | \$0                                 | \$0        |          | \$0         |   | \$0        | \$0        | \$0         |                                   |              | \$0        | \$0        | \$0        |

\*\*\*\* TOTAL PROJECT COST SUMMARY \*\*\*\*

\*\*\*\* CONTRACT COST SUMMARY \*\*\*\*

PROJECT: Tiered Analysis From the Lower Snake River  
 LOCATION: Asotin, Whitman, and Garfield Counties  
 This Estimate reflects the scope and schedule in report; Tiered Environmental Impact Statement

DISTRICT: NWW District  
 POC: CHIEF, COST ENGINEERING, Derek Nelson

PREPARED: 1/23/2026

| Civil Works Work Breakdown Structure |   | ESTIMATED COST     |                    |                  |                     | PROJECT FIRST COST<br>(Constant Dollar Basis) |                    |                    |                     | TOTAL PROJECT COST (FULLY FUNDED) |                      |                    |                    |                    |
|--------------------------------------|---|--------------------|--------------------|------------------|---------------------|---|--------------------|--------------------|---------------------|-----------------------------------|----------------------|--------------------|--------------------|--------------------|
| WBS<br>NUMBER<br>A                   | Civil Works<br>Feature & Sub-Feature Description<br>B | COST<br>(\$K)<br>C | CNTG<br>(\$K)<br>D | CNTG<br>(%)<br>E | TOTAL<br>(\$K)<br>F | ESC<br>(%)<br>G                               | COST<br>(\$K)<br>H | CNTG<br>(\$K)<br>I | TOTAL<br>(\$K)<br>J | Mid-Point<br>Date<br>P            | INFLATED<br>(%)<br>L | COST<br>(\$K)<br>M | CNTG<br>(\$K)<br>N | FULL<br>(\$K)<br>O |
|                                      |   |                    |                    |                  |                     |   |                    |                    |                     |                                   |                      |                    |                    |                    |
| 09                                   | Initial Dredging<br>CHANNELS & CANALS                 | \$0                | \$0                | 50.0%            | \$0                 | 0.0%  | \$0                | \$0                | \$0                 | 0                                 | 0.0%                 | \$0                | \$0                | \$0                |
| <b>CONSTRUCTION ESTIMATE TOTALS:</b> |   | \$0                | \$0                | 0.0%             | \$0                 |   | \$0                | \$0                | \$0                 |                                   |                      | \$0                | \$0                | \$0                |
| 01                                   | LANDS AND DAMAGES                                     | \$0                | \$0                | 0.0%             | \$0                 | 0.0%  | \$0                | \$0                | \$0                 | 0                                 | 0.0%                 | \$0                | \$0                | \$0                |
| 30                                   | PLANNING, ENGINEERING & DESIGN                        |                    |                    |                  |                     |   |                    |                    |                     |                                   |                      |                    |                    |                    |
| 2.5%                                 | Project Management                                    | \$0                | \$0                | 50.0%            | \$0                 | 0.0%  | \$0                | \$0                | \$0                 | 0                                 | 0.0%                 | \$0                | \$0                | \$0                |
| 1.0%                                 | Planning & Environmental Compliance                   | \$0                | \$0                | 50.0%            | \$0                 | 0.0%  | \$0                | \$0                | \$0                 | 0                                 | 0.0%                 | \$0                | \$0                | \$0                |
| 10.0%                                | Engineering & Design                                  | \$0                | \$0                | 50.0%            | \$0                 | 0.0%  | \$0                | \$0                | \$0                 | 0                                 | 0.0%                 | \$0                | \$0                | \$0                |
| 1.0%                                 | Reviews, ATRs, IEPRs, VE                              | \$0                | \$0                | 50.0%            | \$0                 | 0.0%  | \$0                | \$0                | \$0                 | 0                                 | 0.0%                 | \$0                | \$0                | \$0                |
| 1.0%                                 | Life Cycle Updates (cost, schedule, risks)            | \$0                | \$0                | 50.0%            | \$0                 | 0.0%  | \$0                | \$0                | \$0                 | 0                                 | 0.0%                 | \$0                | \$0                | \$0                |
| 1.0%                                 | Contracting & Reprographics                           | \$0                | \$0                | 50.0%            | \$0                 | 0.0%  | \$0                | \$0                | \$0                 | 0                                 | 0.0%                 | \$0                | \$0                | \$0                |
| 3.0%                                 | Engineering During Construction                       | \$0                | \$0                | 50.0%            | \$0                 | 0.0%  | \$0                | \$0                | \$0                 | 0                                 | 0.0%                 | \$0                | \$0                | \$0                |
| 2.0%                                 | Planning During Construction                          | \$0                | \$0                | 50.0%            | \$0                 | 0.0%  | \$0                | \$0                | \$0                 | 0                                 | 0.0%                 | \$0                | \$0                | \$0                |
| 3.0%                                 | Adaptive Management & Monitoring                      | \$0                | \$0                | 50.0%            | \$0                 | 0.0%  | \$0                | \$0                | \$0                 | 0                                 | 0.0%                 | \$0                | \$0                | \$0                |
| 1.0%                                 | Project Operations                                    | \$0                | \$0                | 50.0%            | \$0                 | 0.0%  | \$0                | \$0                | \$0                 | 0                                 | 0.0%                 | \$0                | \$0                | \$0                |
|                                      | Real Estate (All Federal Labor)                       | \$0                | \$0                | 0.0%             | \$0                 | 0.0%  | \$0                | \$0                | \$0                 | 0                                 | 0.0%                 | \$0                | \$0                | \$0                |
| 31                                   | CONSTRUCTION MANAGEMENT                               |                    |                    |                  |                     |   |                    |                    |                     |                                   |                      |                    |                    |                    |
| 8.0%                                 | Construction Management                               | \$0                | \$0                | 50.0%            | \$0                 | 0.0%  | \$0                | \$0                | \$0                 | 0                                 | 0.0%                 | \$0                | \$0                | \$0                |
| 2.0%                                 | Project Operation:                                    | \$0                | \$0                | 50.0%            | \$0                 | 0.0%  | \$0                | \$0                | \$0                 | 0                                 | 0.0%                 | \$0                | \$0                | \$0                |
| 2.5%                                 | Project Management                                    | \$0                | \$0                | 50.0%            | \$0                 | 0.0%  | \$0                | \$0                | \$0                 | 0                                 | 0.0%                 | \$0                | \$0                | \$0                |
| <b>CONTRACT COST TOTALS:</b>         |   | \$0                | \$0                |                  | \$0                 |   | \$0                | \$0                | \$0                 |                                   |                      | \$0                | \$0                | \$0                |

\*\*\*\* TOTAL PROJECT COST SUMMARY \*\*\*\*

\*\*\*\* CONTRACT COST SUMMARY \*\*\*\*

PROJECT: Tiered Analysis From the Lower Snake River  
 LOCATION: Asotin, Whitman, and Garfield Counties  
 This Estimate reflects the scope and schedule in report; Tiered Environmental Impact Statement

DISTRICT: NWW District  
 POC: CHIEF, COST ENGINEERING, Derek Nelson

PREPARED: 1/23/2026

| Civil Works Work Breakdown Structure |   | ESTIMATED COST                      |            |          |             | PROJECT FIRST COST<br>(Constant Dollar Basis) |            |            |             | TOTAL PROJECT COST (FULLY FUNDED) |              |            |            |            |
|--------------------------------------|---|-------------------------------------|------------|----------|-------------|---|------------|------------|-------------|-----------------------------------|--------------|------------|------------|------------|
|                                      |   | Estimate Prepared: <b>23-Jan-26</b> |            |          |             | Program Year (Budget EC): 2026                |            |            |             |                                   |              |            |            |            |
|                                      |   | Effective Price Level: 1-Oct-25     |            |          |             | Effective Price Level Date: 1 OCT 25          |            |            |             |                                   |              |            |            |            |
| WBS NUMBER                           | Civil Works Feature & Sub-Feature Description | COST (\$K)                          | CNTG (\$K) | CNTG (%) | TOTAL (\$K) | ESC (%)                                       | COST (\$K) | CNTG (\$K) | TOTAL (\$K) | Mid-Point Date                    | INFLATED (%) | COST (\$K) | CNTG (\$K) | FULL (\$K) |
| A                                    | B   | C                                   | D          | E        | F           | G   | H          | I          | J           | P                                 | L            | M          | N          | O          |
| <b>09</b>                            | <b>O&amp;M Dredging</b><br>CHANNELS & CANALS  | \$80,838                            | \$40,419   | 50.0%    | \$121,257   | 0.0%  | \$80,838   | \$40,419   | \$121,257   | 2055Q1                            | 110.6%       | \$170,279  | \$85,139   | \$255,418  |
|                                      | <b>CONSTRUCTION ESTIMATE TOTALS:</b>          | \$80,838                            | \$40,419   | 50.0%    | \$121,257   |   | \$80,838   | \$40,419   | \$121,257   |                                   |              | \$170,279  | \$85,139   | \$255,418  |
| <b>01</b>                            | LANDS AND DAMAGES                             | \$0                                 | \$0        | 0.0%     | \$0         | 0.0%  | \$0        | \$0        | \$0         | 0                                 | 0.0%         | \$0        | \$0        | \$0        |
| <b>30</b>                            | PLANNING, ENGINEERING & DESIGN                |                                     |            |          |             |   |            |            |             |                                   |              |            |            |            |
| 2.5%                                 | Project Management                            | \$2,021                             | \$1,010    | 50.0%    | \$3,031     | 0.0%  | \$2,021    | \$1,010    | \$3,031     | 2054Q1                            | 140.8%       | \$4,867    | \$2,433    | \$7,300    |
| 1.0%                                 | Planning & Environmental Compliance           | \$808                               | \$404      | 50.0%    | \$1,213     | 0.0%  | \$808      | \$404      | \$1,213     | 2054Q1                            | 140.8%       | \$1,947    | \$973      | \$2,920    |
| 10.0%                                | Engineering & Design                          | \$8,084                             | \$4,042    | 50.0%    | \$12,126    | 0.0%  | \$8,084    | \$4,042    | \$12,126    | 2054Q1                            | 140.8%       | \$19,466   | \$9,733    | \$29,199   |
| 1.0%                                 | Reviews, ATRs, IEPRs, VE                      | \$808                               | \$404      | 50.0%    | \$1,213     | 0.0%  | \$808      | \$404      | \$1,213     | 2054Q1                            | 140.8%       | \$1,947    | \$973      | \$2,920    |
| 1.0%                                 | Life Cycle Updates (cost, schedule, risks)    | \$808                               | \$404      | 50.0%    | \$1,213     | 0.0%  | \$808      | \$404      | \$1,213     | 2054Q1                            | 140.8%       | \$1,947    | \$973      | \$2,920    |
| 1.0%                                 | Contracting & Reprographics                   | \$808                               | \$404      | 50.0%    | \$1,213     | 0.0%  | \$808      | \$404      | \$1,213     | 2054Q1                            | 140.8%       | \$1,947    | \$973      | \$2,920    |
| 3.0%                                 | Engineering During Construction               | \$2,425                             | \$1,213    | 50.0%    | \$3,638     | 0.0%  | \$2,425    | \$1,213    | \$3,638     | 2055Q1                            | 148.5%       | \$6,027    | \$3,013    | \$9,040    |
| 2.0%                                 | Planning During Construction                  | \$1,617                             | \$808      | 50.0%    | \$2,425     | 0.0%  | \$1,617    | \$808      | \$2,425     | 2055Q1                            | 148.5%       | \$4,018    | \$2,009    | \$6,027    |
| 3.0%                                 | Adaptive Management & Monitoring              | \$2,425                             | \$1,213    | 50.0%    | \$3,638     | 0.0%  | \$2,425    | \$1,213    | \$3,638     | 2056Q1                            | 156.5%       | \$6,220    | \$3,110    | \$9,329    |
| 1.0%                                 | Project Operations                            | \$808                               | \$404      | 50.0%    | \$1,213     | 0.0%  | \$808      | \$404      | \$1,213     | 2054Q1                            | 140.8%       | \$1,947    | \$973      | \$2,920    |
|                                      | Real Estate (All Federal Labor)               | \$0                                 | \$0        | 0.0%     | \$0         | 0.0%  | \$0        | \$0        | \$0         | 0                                 | 0.0%         | \$0        | \$0        | \$0        |
| <b>31</b>                            | CONSTRUCTION MANAGEMENT                       |                                     |            |          |             |   |            |            |             |                                   |              |            |            |            |
| 8.0%                                 | Construction Management                       | \$6,467                             | \$3,234    | 50.0%    | \$9,701     | 0.0%  | \$6,467    | \$3,234    | \$9,701     | 2055Q1                            | 148.5%       | \$16,071   | \$8,036    | \$24,107   |
| 2.0%                                 | Project Operation:                            | \$1,617                             | \$808      | 50.0%    | \$2,425     | 0.0%  | \$1,617    | \$808      | \$2,425     | 2055Q1                            | 148.5%       | \$4,018    | \$2,009    | \$6,027    |
| 2.5%                                 | Project Management                            | \$2,021                             | \$1,010    | 50.0%    | \$3,031     | 0.0%  | \$2,021    | \$1,010    | \$3,031     | 2055Q1                            | 148.5%       | \$5,022    | \$2,511    | \$7,533    |
|                                      | <b>CONTRACT COST TOTALS:</b>                  | \$111,556                           | \$55,778   |          | \$167,335   |   | \$111,556  | \$55,778   | \$167,335   |                                   |              | \$245,720  | \$122,860  | \$368,580  |

\*\*\*\* TOTAL PROJECT COST SUMMARY \*\*\*\*

PROJECT: Tiered Analysis From the Lower Snake River  
PROJECT NO: P2 xxxxxx  
LOCATION: Asotin, Whitman, and Garfield Counties

DISTRICT: NWW District  
POC: CHIEF, COST ENGINEERING, Derek Nelson

PREPARED: 1/23/2026

This Estimate reflects the scope and schedule in report; Tiered Environmental Impact Statement

| Civil Works Work Breakdown Structure |   | ESTIMATED COST     |                    |                  |                     | PROJECT FIRST COST<br>(Constant Dollar Basis) |                    |                    |                     |  | TOTAL PROJECT COST<br>(FULLY FUNDED) |                                   |                      |                    |                    |                    |
|--------------------------------------|---|--------------------|--------------------|------------------|---------------------|---|--------------------|--------------------|---------------------|--|--------------------------------------|-----------------------------------|----------------------|--------------------|--------------------|--------------------|
| WBS<br>NUMBER<br>A                   | Civil Works<br>Feature & Sub-Feature Description<br>B | COST<br>(\$K)<br>C | CNTG<br>(\$K)<br>D | CNTG<br>(%)<br>E | TOTAL<br>(\$K)<br>F | ESC<br>(%)<br>G                               | COST<br>(\$K)<br>H | CNTG<br>(\$K)<br>I | TOTAL<br>(\$K)<br>J | Program Year (Budget EC): 2026<br>Effective Price Level Date: 1 OCT 25 |                                      | TOTAL FIRST<br>COST<br>(\$K)<br>K | INFLATED<br>(%)<br>L | COST<br>(\$K)<br>M | CNTG<br>(\$K)<br>N | FULL<br>(\$K)<br>O |
|                                      |   |                    |                    |                  |                     |   |                    |                    |                     | Spent Thru:<br>1-Oct-25<br>(\$K)                                       |                                      |                                   |                      |                    |                    |                    |
| 09                                   | CHANNELS & CANALS                                     | \$94,307           | \$129,201          | 137.0%           | \$223,508           | 0.0%  | \$94,307           | \$129,201          | \$223,508           | \$0  | \$223,508                            | 68.1%                             | \$158,546            | \$217,208          | \$375,754          |                    |
|                                      | <b>CONSTRUCTION ESTIMATE TOTALS:</b>                  | \$94,307           | \$129,201          |                  | \$223,508           | 0.0%  | \$94,307           | \$129,201          | \$223,508           | \$0  | \$223,508                            | 68.1%                             | \$158,546            | \$217,208          | \$375,754          |                    |
| 01                                   | LANDS AND DAMAGES                                     | \$0                | \$0                | -                | \$0                 | -   | \$0                | \$0                | \$0                 | \$0  | \$0                                  | -                                 | \$0                  | \$0                | \$0                |                    |
| 30                                   | PLANNING, ENGINEERING & DESIGN                        | \$24,048           | \$32,946           | 137.0%           | \$56,994            | 0.0%  | \$24,048           | \$32,946           | \$56,994            | \$0  | \$56,994                             | 86.8%                             | \$44,929             | \$61,553           | \$106,482          |                    |
| 31                                   | CONSTRUCTION MANAGEMENT                               | \$11,788           | \$16,150           | 137.0%           | \$27,938            | 0.0%  | \$11,788           | \$16,150           | \$27,938            | \$0  | \$27,938                             | 90.7%                             | \$22,486             | \$30,806           | \$53,291           |                    |
| <b>PROJECT COST TOTALS:</b>          |   | \$130,144          | \$178,297          | 137.0%           | \$308,440           |   | \$130,144          | \$178,297          | \$308,440           | \$0  | \$308,440                            | 73.6%                             | \$225,961            | \$309,566          | \$535,527          |                    |

CHIEF, COST ENGINEERING, Derek Nelson

ESTIMATED TOTAL PROJECT COST: \$535,527

PROJECT MANAGER, Kathryn Wenger

CHIEF, REAL ESTATE, Allison Needham

CHIEF, PLANNING, Cindy Boen

Alt 2 - In Water Training Structures

CHIEF, ENGINEERING, Dwayne Weston

CHIEF, OPERATIONS, Paul Ocker

CHIEF, CONSTRUCTION, Duane West

CHIEF, CONTRACTING, Hillary Morgan

CHIEF, PM-PB, Julie Balten

CHIEF, DPM, Julie Balten

\*\*\*\* TOTAL PROJECT COST SUMMARY \*\*\*\*

\*\*\*\* CONTRACT COST SUMMARY \*\*\*\*

PROJECT: Tiered Analysis From the Lower Snake River  
 LOCATION: Asotin, Whitman, and Garfield Counties  
 This Estimate reflects the scope and schedule in report; Tiered Environmental Impact Statement

DISTRICT: NWW District  
 POC: CHIEF, COST ENGINEERING, Derek Nelson

PREPARED: 1/23/2026

| Civil Works Work Breakdown Structure |   | ESTIMATED COST                      |                    |  |                     | PROJECT FIRST COST<br>(Constant Dollar Basis) |                    |   |                     | TOTAL PROJECT COST (FULLY FUNDED) |                      |                    |                    |                    |
|--------------------------------------|---|-------------------------------------|--------------------|--|---------------------|---|--------------------|---|---------------------|-----------------------------------|----------------------|--------------------|--------------------|--------------------|
|                                      |   | Estimate Prepared: <b>23-Jan-26</b> |                    | Effective Price Level: <b>1-Oct-25</b> |                     | Program Year (Budget EC): <b>2026</b>         |                    | Effective Price Level Date: <b>1 OCT 25</b> |                     |                                   |                      |                    |                    |                    |
| WBS<br>NUMBER<br>A                   | Civil Works<br>Feature & Sub-Feature Description<br>B | RISK BASED                          |                    |  |                     | ESC<br>(%)<br>G                               | COST<br>(\$K)<br>H | CNTG<br>(\$K)<br>I                          | TOTAL<br>(\$K)<br>J | Mid-Point<br>Date<br>P            | INFLATED<br>(%)<br>L | COST<br>(\$K)<br>M | CNTG<br>(\$K)<br>N | FULL<br>(\$K)<br>O |
|                                      |   | COST<br>(\$K)<br>C                  | CNTG<br>(\$K)<br>D | CNTG<br>(%)<br>E                       | TOTAL<br>(\$K)<br>F |   |                    |   |                     |                                   |                      |                    |                    |                    |
| <b>09</b>                            | <b>Structures</b><br>CHANNELS & CANALS                | \$26,908                            | \$36,864           | 137.0%                                 | \$63,772            | 0.0%  | \$26,908           | \$36,864                                    | \$63,772            | 2030Q3                            | 12.3%                | \$30,228           | \$41,412           | \$71,640           |
| <b>CONSTRUCTION ESTIMATE TOTALS:</b> |   | \$26,908                            | \$36,864           | 137.0%                                 | \$63,772            |   | \$26,908           | \$36,864                                    | \$63,772            |                                   |                      | \$30,228           | \$41,412           | \$71,640           |
| <b>01</b>                            | LANDS AND DAMAGES                                     | \$0                                 | \$0                | 0.0%                                   | \$0                 | 0.0%  | \$0                | \$0   | \$0                 | 0                                 | 0.0%                 | \$0                | \$0                | \$0                |
| <b>30</b>                            | PLANNING, ENGINEERING & DESIGN                        |                                     |                    |  |                     |   |                    |   |                     |                                   |                      |                    |                    |                    |
| 2.5%                                 | Project Management                                    | \$673                               | \$922              | 137.0%                                 | \$1,594             | 0.0%  | \$673              | \$922                                       | \$1,594             | 2028Q4                            | 8.8%                 | \$732              | \$1,003            | \$1,735            |
| 1.0%                                 | Planning & Environmental Compliance                   | \$269                               | \$369              | 137.0%                                 | \$638               | 0.0%  | \$269              | \$369                                       | \$638               | 2028Q4                            | 8.8%                 | \$293              | \$401              | \$694              |
| 10.0%                                | Engineering & Design                                  | \$2,691                             | \$3,686            | 137.0%                                 | \$6,377             | 0.0%  | \$2,691            | \$3,686                                     | \$6,377             | 2028Q4                            | 8.8%                 | \$2,928            | \$4,011            | \$6,939            |
| 1.0%                                 | Reviews, ATRs, IEPRs, VE                              | \$269                               | \$369              | 137.0%                                 | \$638               | 0.0%  | \$269              | \$369                                       | \$638               | 2028Q4                            | 8.8%                 | \$293              | \$401              | \$694              |
| 1.0%                                 | Life Cycle Updates (cost, schedule, risks)            | \$269                               | \$369              | 137.0%                                 | \$638               | 0.0%  | \$269              | \$369                                       | \$638               | 2028Q4                            | 8.8%                 | \$293              | \$401              | \$694              |
| 1.0%                                 | Contracting & Reprographics                           | \$269                               | \$369              | 137.0%                                 | \$638               | 0.0%  | \$269              | \$369                                       | \$638               | 2028Q4                            | 8.8%                 | \$293              | \$401              | \$694              |
| 3.0%                                 | Engineering During Construction                       | \$807                               | \$1,106            | 137.0%                                 | \$1,913             | 0.0%  | \$807              | \$1,106                                     | \$1,913             | 2030Q3                            | 15.0%                | \$928              | \$1,272            | \$2,200            |
| 2.0%                                 | Planning During Construction                          | \$538                               | \$737              | 137.0%                                 | \$1,275             | 0.0%  | \$538              | \$737                                       | \$1,275             | 2030Q3                            | 15.0%                | \$619              | \$848              | \$1,466            |
| 3.0%                                 | Adaptive Management & Monitoring                      | \$807                               | \$1,106            | 137.0%                                 | \$1,913             | 0.0%  | \$807              | \$1,106                                     | \$1,913             | 2032Q3                            | 22.5%                | \$989              | \$1,355            | \$2,343            |
| 1.0%                                 | Project Operations                                    | \$269                               | \$369              | 137.0%                                 | \$638               | 0.0%  | \$269              | \$369                                       | \$638               | 2028Q4                            | 8.8%                 | \$293              | \$401              | \$694              |
|                                      | Real Estate (All Federal Labor)                       | \$0                                 | \$0                | 0.0%                                   | \$0                 | 0.0%  | \$0                | \$0   | \$0                 | 0                                 | 0.0%                 | \$0                | \$0                | \$0                |
| <b>31</b>                            | CONSTRUCTION MANAGEMENT                               |                                     |                    |  |                     |   |                    |   |                     |                                   |                      |                    |                    |                    |
| 8.0%                                 | Construction Management                               | \$2,153                             | \$2,949            | 137.0%                                 | \$5,102             | 0.0%  | \$2,153            | \$2,949                                     | \$5,102             | 2030Q3                            | 15.0%                | \$2,475            | \$3,391            | \$5,866            |
| 2.0%                                 | Project Operation:                                    | \$538                               | \$737              | 137.0%                                 | \$1,275             | 0.0%  | \$538              | \$737                                       | \$1,275             | 2030Q3                            | 15.0%                | \$619              | \$848              | \$1,466            |
| 2.5%                                 | Project Management                                    | \$673                               | \$922              | 137.0%                                 | \$1,594             | 0.0%  | \$673              | \$922                                       | \$1,594             | 2030Q3                            | 15.0%                | \$773              | \$1,060            | \$1,833            |
| <b>CONTRACT COST TOTALS:</b>         |   | \$37,133                            | \$50,872           |  | \$88,005            |   | \$37,133           | \$50,872                                    | \$88,005            |                                   |                      | \$41,755           | \$57,204           | \$98,959           |

\*\*\*\* TOTAL PROJECT COST SUMMARY \*\*\*\*

\*\*\*\* CONTRACT COST SUMMARY \*\*\*\*

PROJECT: Tiered Analysis From the Lower Snake River  
 LOCATION: Asotin, Whitman, and Garfield Counties  
 This Estimate reflects the scope and schedule in report; Tiered Environmental Impact Statement

DISTRICT: NWW District  
 POC: CHIEF, COST ENGINEERING, Derek Nelson

PREPARED: 1/23/2026

| Civil Works Work Breakdown Structure |   | ESTIMATED COST     |                    |                  |                     | PROJECT FIRST COST<br>(Constant Dollar Basis) |                    |                    |                     | TOTAL PROJECT COST (FULLY FUNDED) |                      |                    |                    |                    |
|--------------------------------------|---|--------------------|--------------------|------------------|---------------------|---|--------------------|--------------------|---------------------|-----------------------------------|----------------------|--------------------|--------------------|--------------------|
| WBS<br>NUMBER<br>A                   | Civil Works<br>Feature & Sub-Feature Description<br>B | COST<br>(\$K)<br>C | CNTG<br>(\$K)<br>D | CNTG<br>(%)<br>E | TOTAL<br>(\$K)<br>F | ESC<br>(%)<br>G                               | COST<br>(\$K)<br>H | CNTG<br>(\$K)<br>I | TOTAL<br>(\$K)<br>J | Mid-Point<br>Date<br>P            | INFLATED<br>(%)<br>L | COST<br>(\$K)<br>M | CNTG<br>(\$K)<br>N | FULL<br>(\$K)<br>O |
|                                      |   |                    |                    |                  |                     |   |                    |                    |                     |                                   |                      |                    |                    |                    |
| <b>09</b>                            | <b>Initial Dredging</b><br>CHANNELS & CANALS          | \$13,888           | \$19,027           | 137.0%           | \$32,915            | 0.0%  | \$13,888           | \$19,027           | \$32,915            | 2030Q3                            | 12.3%                | \$15,601           | \$21,374           | \$36,975           |
| <b>CONSTRUCTION ESTIMATE TOTALS:</b> |   | \$13,888           | \$19,027           | 137.0%           | \$32,915            |   | \$13,888           | \$19,027           | \$32,915            |                                   |                      | \$15,601           | \$21,374           | \$36,975           |
| <b>01</b>                            | LANDS AND DAMAGES                                     | \$0                | \$0                | 0.0%             | \$0                 | 0.0%  | \$0                | \$0                | \$0                 | 0                                 | 0.0%                 | \$0                | \$0                | \$0                |
| <b>30</b>                            | PLANNING, ENGINEERING & DESIGN                        |                    |                    |                  |                     |   |                    |                    |                     |                                   |                      |                    |                    |                    |
| 2.5%                                 | Project Management                                    | \$347              | \$476              | 137.0%           | \$823               | 0.0%  | \$347              | \$476              | \$823               | 2028Q4                            | 8.8%                 | \$378              | \$518              | \$895              |
| 1.0%                                 | Planning & Environmental Compliance                   | \$139              | \$190              | 137.0%           | \$329               | 0.0%  | \$139              | \$190              | \$329               | 2028Q4                            | 8.8%                 | \$151              | \$207              | \$358              |
| 10.0%                                | Engineering & Design                                  | \$1,389            | \$1,903            | 137.0%           | \$3,291             | 0.0%  | \$1,389            | \$1,903            | \$3,291             | 2028Q4                            | 8.8%                 | \$1,511            | \$2,070            | \$3,582            |
| 1.0%                                 | Reviews, ATRs, IEPs, VE                               | \$139              | \$190              | 137.0%           | \$329               | 0.0%  | \$139              | \$190              | \$329               | 2028Q4                            | 8.8%                 | \$151              | \$207              | \$358              |
| 1.0%                                 | Life Cycle Updates (cost, schedule, risks)            | \$139              | \$190              | 137.0%           | \$329               | 0.0%  | \$139              | \$190              | \$329               | 2028Q4                            | 8.8%                 | \$151              | \$207              | \$358              |
| 1.0%                                 | Contracting & Reprographics                           | \$139              | \$190              | 137.0%           | \$329               | 0.0%  | \$139              | \$190              | \$329               | 2028Q4                            | 8.8%                 | \$151              | \$207              | \$358              |
| 3.0%                                 | Engineering During Construction                       | \$417              | \$571              | 137.0%           | \$987               | 0.0%  | \$417              | \$571              | \$987               | 2030Q3                            | 15.0%                | \$479              | \$656              | \$1,135            |
| 2.0%                                 | Planning During Construction                          | \$278              | \$381              | 137.0%           | \$658               | 0.0%  | \$278              | \$381              | \$658               | 2030Q3                            | 15.0%                | \$319              | \$438              | \$757              |
| 3.0%                                 | Adaptive Management & Monitoring                      | \$417              | \$571              | 137.0%           | \$987               | 0.0%  | \$417              | \$571              | \$987               | 2032Q3                            | 22.5%                | \$510              | \$699              | \$1,209            |
| 1.0%                                 | Project Operations                                    | \$139              | \$190              | 137.0%           | \$329               | 0.0%  | \$139              | \$190              | \$329               | 2028Q4                            | 8.8%                 | \$151              | \$207              | \$358              |
|                                      | Real Estate (All Federal Labor)                       | \$0                | \$0                | 0.0%             | \$0                 | 0.0%  | \$0                | \$0                | \$0                 | 0                                 | 0.0%                 | \$0                | \$0                | \$0                |
| <b>31</b>                            | CONSTRUCTION MANAGEMENT                               |                    |                    |                  |                     |   |                    |                    |                     |                                   |                      |                    |                    |                    |
| 8.0%                                 | Construction Management                               | \$1,111            | \$1,522            | 137.0%           | \$2,633             | 0.0%  | \$1,111            | \$1,522            | \$2,633             | 2030Q3                            | 15.0%                | \$1,277            | \$1,750            | \$3,028            |
| 2.0%                                 | Project Operation:                                    | \$278              | \$381              | 137.0%           | \$658               | 0.0%  | \$278              | \$381              | \$658               | 2030Q3                            | 15.0%                | \$319              | \$438              | \$757              |
| 2.5%                                 | Project Management                                    | \$347              | \$476              | 137.0%           | \$823               | 0.0%  | \$347              | \$476              | \$823               | 2030Q3                            | 15.0%                | \$399              | \$547              | \$946              |
| <b>CONTRACT COST TOTALS:</b>         |   | \$19,165           | \$26,257           |                  | \$45,422            |   | \$19,165           | \$26,257           | \$45,422            |                                   |                      | \$21,551           | \$29,525           | \$51,075           |

\*\*\*\* TOTAL PROJECT COST SUMMARY \*\*\*\*

\*\*\*\* CONTRACT COST SUMMARY \*\*\*\*

PROJECT: Tiered Analysis From the Lower Snake River  
 LOCATION: Asotin, Whitman, and Garfield Counties  
 This Estimate reflects the scope and schedule in report; Tiered Environmental Impact Statement

DISTRICT: NWW District  
 POC: CHIEF, COST ENGINEERING, Derek Nelson

PREPARED: 1/23/2026

| Civil Works Work Breakdown Structure |   | ESTIMATED COST                      |            |          |             | PROJECT FIRST COST<br>(Constant Dollar Basis) |            |            |             | TOTAL PROJECT COST (FULLY FUNDED) |              |            |            |            |
|--------------------------------------|---|-------------------------------------|------------|----------|-------------|---|------------|------------|-------------|-----------------------------------|--------------|------------|------------|------------|
|                                      |   | Estimate Prepared: <b>23-Jan-26</b> |            |          |             | Program Year (Budget EC): 2026                |            |            |             |                                   |              |            |            |            |
|                                      |   | Effective Price Level: 1-Oct-25     |            |          |             | Effective Price Level Date: 1 OCT 25          |            |            |             |                                   |              |            |            |            |
| WBS NUMBER                           | Civil Works Feature & Sub-Feature Description | COST (\$K)                          | CNTG (\$K) | CNTG (%) | TOTAL (\$K) | ESC (%)                                       | COST (\$K) | CNTG (\$K) | TOTAL (\$K) | Mid-Point Date                    | INFLATED (%) | COST (\$K) | CNTG (\$K) | FULL (\$K) |
| A                                    | B   | C                                   | D          | E        | F           | G   | H          | I          | J           | P                                 | L            | M          | N          | O          |
| <b>09</b>                            | <b>O&amp;M Dredging</b><br>CHANNELS & CANALS  | \$53,511                            | \$73,310   | 137.0%   | \$126,821   | 0.0%  | \$53,511   | \$73,310   | \$126,821   | 2055Q1                            | 110.6%       | \$112,717  | \$154,422  | \$267,139  |
|                                      | <b>CONSTRUCTION ESTIMATE TOTALS:</b>          | \$53,511                            | \$73,310   | 137.0%   | \$126,821   |   | \$53,511   | \$73,310   | \$126,821   |                                   |              | \$112,717  | \$154,422  | \$267,139  |
| <b>01</b>                            | LANDS AND DAMAGES                             | \$0                                 | \$0        | 0.0%     | \$0         | 0.0%  | \$0        | \$0        | \$0         | 0                                 | 0.0%         | \$0        | \$0        | \$0        |
| <b>30</b>                            | PLANNING, ENGINEERING & DESIGN                |                                     |            |          |             |   |            |            |             |                                   |              |            |            |            |
| 2.5%                                 | Project Management                            | \$1,338                             | \$1,833    | 137.0%   | \$3,171     | 0.0%  | \$1,338    | \$1,833    | \$3,171     | 2054Q1                            | 140.8%       | \$3,221    | \$4,413    | \$7,635    |
| 1.0%                                 | Planning & Environmental Compliance           | \$535                               | \$733      | 137.0%   | \$1,268     | 0.0%  | \$535      | \$733      | \$1,268     | 2054Q1                            | 140.8%       | \$1,289    | \$1,765    | \$3,054    |
| 10.0%                                | Engineering & Design                          | \$5,351                             | \$7,331    | 137.0%   | \$12,682    | 0.0%  | \$5,351    | \$7,331    | \$12,682    | 2054Q1                            | 140.8%       | \$12,886   | \$17,653   | \$30,539   |
| 1.0%                                 | Reviews, ATRs, IEPRs, VE                      | \$535                               | \$733      | 137.0%   | \$1,268     | 0.0%  | \$535      | \$733      | \$1,268     | 2054Q1                            | 140.8%       | \$1,289    | \$1,765    | \$3,054    |
| 1.0%                                 | Life Cycle Updates (cost, schedule, risks)    | \$535                               | \$733      | 137.0%   | \$1,268     | 0.0%  | \$535      | \$733      | \$1,268     | 2054Q1                            | 140.8%       | \$1,289    | \$1,765    | \$3,054    |
| 1.0%                                 | Contracting & Reprographics                   | \$535                               | \$733      | 137.0%   | \$1,268     | 0.0%  | \$535      | \$733      | \$1,268     | 2054Q1                            | 140.8%       | \$1,289    | \$1,765    | \$3,054    |
| 3.0%                                 | Engineering During Construction               | \$1,605                             | \$2,199    | 137.0%   | \$3,805     | 0.0%  | \$1,605    | \$2,199    | \$3,805     | 2055Q1                            | 148.5%       | \$3,989    | \$5,465    | \$9,455    |
| 2.0%                                 | Planning During Construction                  | \$1,070                             | \$1,466    | 137.0%   | \$2,536     | 0.0%  | \$1,070    | \$1,466    | \$2,536     | 2055Q1                            | 148.5%       | \$2,660    | \$3,644    | \$6,303    |
| 3.0%                                 | Adaptive Management & Monitoring              | \$1,605                             | \$2,199    | 137.0%   | \$3,805     | 0.0%  | \$1,605    | \$2,199    | \$3,805     | 2056Q1                            | 156.5%       | \$4,117    | \$5,640    | \$9,757    |
| 1.0%                                 | Project Operations                            | \$535                               | \$733      | 137.0%   | \$1,268     | 0.0%  | \$535      | \$733      | \$1,268     | 2054Q1                            | 140.8%       | \$1,289    | \$1,765    | \$3,054    |
|                                      | Real Estate (All Federal Labor)               | \$0                                 | \$0        | 0.0%     | \$0         | 0.0%  | \$0        | \$0        | \$0         | 0                                 | 0.0%         | \$0        | \$0        | \$0        |
| <b>31</b>                            | CONSTRUCTION MANAGEMENT                       |                                     |            |          |             |   |            |            |             |                                   |              |            |            |            |
| 8.0%                                 | Construction Management                       | \$4,281                             | \$5,865    | 137.0%   | \$10,146    | 0.0%  | \$4,281    | \$5,865    | \$10,146    | 2055Q1                            | 148.5%       | \$10,638   | \$14,575   | \$25,213   |
| 2.0%                                 | Project Operation:                            | \$1,070                             | \$1,466    | 137.0%   | \$2,536     | 0.0%  | \$1,070    | \$1,466    | \$2,536     | 2055Q1                            | 148.5%       | \$2,660    | \$3,644    | \$6,303    |
| 2.5%                                 | Project Management                            | \$1,338                             | \$1,833    | 137.0%   | \$3,171     | 0.0%  | \$1,338    | \$1,833    | \$3,171     | 2055Q1                            | 148.5%       | \$3,325    | \$4,555    | \$7,879    |
|                                      | <b>CONTRACT COST TOTALS:</b>                  | \$73,845                            | \$101,168  |          | \$175,013   |   | \$73,845   | \$101,168  | \$175,013   |                                   |              | \$162,655  | \$222,838  | \$385,493  |

\*\*\*\* TOTAL PROJECT COST SUMMARY \*\*\*\*

PROJECT: Tiered Analysis From the Lower Snake River  
PROJECT NO: P2 xxxxxx  
LOCATION: Asotin, Whitman, and Garfield Counties

DISTRICT: NWW District  
POC: CHIEF, COST ENGINEERING, Derek Nelson

PREPARED: 1/23/2026

This Estimate reflects the scope and schedule in report; Tiered Environmental Impact Statement

| Civil Works Work Breakdown Structure |   | ESTIMATED COST     |                    |                  |                     | PROJECT FIRST COST<br>(Constant Dollar Basis) |                    |                    |                     |  | TOTAL PROJECT COST<br>(FULLY FUNDED) |                                   |                      |                    |                    |                    |
|--------------------------------------|---|--------------------|--------------------|------------------|---------------------|---|--------------------|--------------------|---------------------|--|--------------------------------------|-----------------------------------|----------------------|--------------------|--------------------|--------------------|
| WBS<br>NUMBER<br>A                   | Civil Works<br>Feature & Sub-Feature Description<br>B | COST<br>(\$K)<br>C | CNTG<br>(\$K)<br>D | CNTG<br>(%)<br>E | TOTAL<br>(\$K)<br>F | ESC<br>(%)<br>G                               | COST<br>(\$K)<br>H | CNTG<br>(\$K)<br>I | TOTAL<br>(\$K)<br>J | Program Year (Budget EC): 2026<br>Effective Price Level Date: 1 OCT 25 |                                      | TOTAL FIRST<br>COST<br>(\$K)<br>K | INFLATED<br>(%)<br>L | COST<br>(\$K)<br>M | CNTG<br>(\$K)<br>N | FULL<br>(\$K)<br>O |
|                                      |   |                    |                    |                  |                     |   |                    |                    |                     | Spent Thru:<br>1-Oct-25<br>(\$K)                                       |                                      |                                   |                      |                    |                    |                    |
| 09                                   | CHANNELS & CANALS                                     | \$215,950          | \$295,852          | 137.0%           | \$511,802           | 0.0%  | \$215,950          | \$295,852          | \$511,802           | \$0  | \$511,802                            | 97.7%                             | \$426,877            | \$584,821          | \$1,011,698        |                    |
|                                      | <b>CONSTRUCTION ESTIMATE TOTALS:</b>                  | \$215,950          | \$295,852          |                  | \$511,802           | 0.0%  | \$215,950          | \$295,852          | \$511,802           | \$0  | \$511,802                            | 97.7%                             | \$426,877            | \$584,821          | \$1,011,698        |                    |
| 01                                   | LANDS AND DAMAGES                                     | \$0                | \$0                | -                | \$0                 | -   | \$0                | \$0                | \$0                 | \$0  | \$0                                  | -                                 | \$0                  | \$0                | \$0                |                    |
| 30                                   | PLANNING, ENGINEERING & DESIGN                        | \$55,067           | \$75,442           | 137.0%           | \$130,509           | 0.0%  | \$55,067           | \$75,442           | \$130,509           | \$0  | \$130,509                            | 126.7%                            | \$124,823            | \$171,008          | \$295,831          |                    |
| 31                                   | CONSTRUCTION MANAGEMENT                               | \$26,994           | \$36,981           | 137.0%           | \$63,975            | 0.0%  | \$26,994           | \$36,981           | \$63,975            | \$0  | \$63,975                             | 130.9%                            | \$62,327             | \$85,388           | \$147,715          |                    |
| <b>PROJECT COST TOTALS:</b>          |   | \$298,011          | \$408,275          | 137.0%           | \$706,286           |   | \$298,011          | \$408,275          | \$706,286           | \$0  | \$706,286                            | 106.0%                            | \$614,027            | \$841,217          | \$1,455,245        |                    |

- \_\_\_\_\_ CHIEF, COST ENGINEERING, Derek Nelson
- \_\_\_\_\_ PROJECT MANAGER, Kathryn Wenger
- \_\_\_\_\_ CHIEF, REAL ESTATE, Allison Needham
- \_\_\_\_\_ CHIEF, PLANNING, Cindy Boen
- \_\_\_\_\_ CHIEF, ENGINEERING, Dwayne Weston
- \_\_\_\_\_ CHIEF, OPERATIONS, Paul Ocker
- \_\_\_\_\_ CHIEF, CONSTRUCTION, Duane West
- \_\_\_\_\_ CHIEF, CONTRACTING, Hillary Morgan
- \_\_\_\_\_ CHIEF, PM-PB, Julie Balten
- \_\_\_\_\_ CHIEF, DPM, Julie Balten

**ESTIMATED TOTAL PROJECT COST: \$1,455,245**

**Alt 3: Sediment Trap + Dredging and Disposal**

\*\*\*\* TOTAL PROJECT COST SUMMARY \*\*\*\*

\*\*\*\* CONTRACT COST SUMMARY \*\*\*\*

PROJECT: Tiered Analysis From the Lower Snake River  
 LOCATION: Asotin, Whitman, and Garfield Counties  
 This Estimate reflects the scope and schedule in report; Tiered Environmental Impact Statement

DISTRICT: NWW District  
 POC: CHIEF, COST ENGINEERING, Derek Nelson

PREPARED: 1/23/2026

| Civil Works Work Breakdown Structure |   | ESTIMATED COST                      |            |          |             | PROJECT FIRST COST<br>(Constant Dollar Basis) |            |            |             | TOTAL PROJECT COST (FULLY FUNDED) |              |            |            |            |
|--------------------------------------|---|-------------------------------------|------------|----------|-------------|---|------------|------------|-------------|-----------------------------------|--------------|------------|------------|------------|
|                                      |   | Estimate Prepared: <b>23-Jan-26</b> |            |          |             | Program Year (Budget EC): 2026                |            |            |             |                                   |              |            |            |            |
|                                      |   | Effective Price Level: 1-Oct-25     |            |          |             | Effective Price Level Date: 1 OCT 25          |            |            |             |                                   |              |            |            |            |
|                                      |   | RISK BASED                          |            |          |             |   |            |            |             |                                   |              |            |            |            |
| WBS NUMBER                           | Civil Works Feature & Sub-Feature Description | COST (\$K)                          | CNTG (\$K) | CNTG (%) | TOTAL (\$K) | ESC (%)                                       | COST (\$K) | CNTG (\$K) | TOTAL (\$K) | Mid-Point Date                    | INFLATED (%) | COST (\$K) | CNTG (\$K) | FULL (\$K) |
| A                                    | B   | C                                   | D          | E        | F           | G   | H          | I          | J           | P                                 | L            | M          | N          | O          |
| <b>09</b>                            | <b>Structures</b><br>CHANNELS & CANALS        | \$14,600                            | \$20,002   | 137.0%   | \$34,602    | 0.0%  | \$14,600   | \$20,002   | \$34,602    | 2030Q3                            | 12.3%        | \$16,401   | \$22,470   | \$38,871   |
| <b>CONSTRUCTION ESTIMATE TOTALS:</b> |   | \$14,600                            | \$20,002   | 137.0%   | \$34,602    |   | \$14,600   | \$20,002   | \$34,602    |                                   |              | \$16,401   | \$22,470   | \$38,871   |
| <b>01</b>                            | LANDS AND DAMAGES                             | \$0                                 | \$0        | 0.0%     | \$0         | 0.0%  | \$0        | \$0        | \$0         | 0                                 | 0.0%         | \$0        | \$0        | \$0        |
| <b>30</b>                            | PLANNING, ENGINEERING & DESIGN                |                                     |            |          |             |   |            |            |             |                                   |              |            |            |            |
| 2.5%                                 | Project Management                            | \$365                               | \$500      | 137.0%   | \$865       | 0.0%  | \$365      | \$500      | \$865       | 2028Q4                            | 8.8%         | \$397      | \$544      | \$941      |
| 1.0%                                 | Planning & Environmental Compliance           | \$146                               | \$200      | 137.0%   | \$346       | 0.0%  | \$146      | \$200      | \$346       | 2028Q4                            | 8.8%         | \$159      | \$218      | \$377      |
| 10.0%                                | Engineering & Design                          | \$1,460                             | \$2,000    | 137.0%   | \$3,460     | 0.0%  | \$1,460    | \$2,000    | \$3,460     | 2028Q4                            | 8.8%         | \$1,589    | \$2,177    | \$3,765    |
| 1.0%                                 | Reviews, ATRs, IEPRs, VE                      | \$146                               | \$200      | 137.0%   | \$346       | 0.0%  | \$146      | \$200      | \$346       | 2028Q4                            | 8.8%         | \$159      | \$218      | \$377      |
| 1.0%                                 | Life Cycle Updates (cost, schedule, risks)    | \$146                               | \$200      | 137.0%   | \$346       | 0.0%  | \$146      | \$200      | \$346       | 2028Q4                            | 8.8%         | \$159      | \$218      | \$377      |
| 1.0%                                 | Contracting & Reprographics                   | \$146                               | \$200      | 137.0%   | \$346       | 0.0%  | \$146      | \$200      | \$346       | 2028Q4                            | 8.8%         | \$159      | \$218      | \$377      |
| 3.0%                                 | Engineering During Construction               | \$438                               | \$600      | 137.0%   | \$1,038     | 0.0%  | \$438      | \$600      | \$1,038     | 2030Q3                            | 15.0%        | \$504      | \$690      | \$1,194    |
| 2.0%                                 | Planning During Construction                  | \$292                               | \$400      | 137.0%   | \$692       | 0.0%  | \$292      | \$400      | \$692       | 2030Q3                            | 15.0%        | \$336      | \$460      | \$796      |
| 3.0%                                 | Adaptive Management & Monitoring              | \$438                               | \$600      | 137.0%   | \$1,038     | 0.0%  | \$438      | \$600      | \$1,038     | 2032Q3                            | 22.5%        | \$536      | \$735      | \$1,271    |
| 1.0%                                 | Project Operations                            | \$146                               | \$200      | 137.0%   | \$346       | 0.0%  | \$146      | \$200      | \$346       | 2028Q4                            | 8.8%         | \$159      | \$218      | \$377      |
|                                      | Real Estate (All Federal Labor)               | \$0                                 | \$0        | 0.0%     | \$0         | 0.0%  | \$0        | \$0        | \$0         | 0                                 | 0.0%         | \$0        | \$0        | \$0        |
| <b>31</b>                            | CONSTRUCTION MANAGEMENT                       |                                     |            |          |             |   |            |            |             |                                   |              |            |            |            |
| 8.0%                                 | Construction Management                       | \$1,168                             | \$1,600    | 137.0%   | \$2,768     | 0.0%  | \$1,168    | \$1,600    | \$2,768     | 2030Q3                            | 15.0%        | \$1,343    | \$1,840    | \$3,183    |
| 2.0%                                 | Project Operation:                            | \$292                               | \$400      | 137.0%   | \$692       | 0.0%  | \$292      | \$400      | \$692       | 2030Q3                            | 15.0%        | \$336      | \$460      | \$796      |
| 2.5%                                 | Project Management                            | \$365                               | \$500      | 137.0%   | \$865       | 0.0%  | \$365      | \$500      | \$865       | 2030Q3                            | 15.0%        | \$420      | \$575      | \$995      |
| <b>CONTRACT COST TOTALS:</b>         |   | \$20,148                            | \$27,603   |          | \$47,751    |   | \$20,148   | \$27,603   | \$47,751    |                                   |              | \$22,656   | \$31,038   | \$53,694   |

\*\*\*\* TOTAL PROJECT COST SUMMARY \*\*\*\*

\*\*\*\* CONTRACT COST SUMMARY \*\*\*\*

PROJECT: Tiered Analysis From the Lower Snake River  
 LOCATION: Asotin, Whitman, and Garfield Counties  
 This Estimate reflects the scope and schedule in report; Tiered Environmental Impact Statement

DISTRICT: NWW District  
 POC: CHIEF, COST ENGINEERING, Derek Nelson

PREPARED: 1/23/2026

| Civil Works Work Breakdown Structure |   | ESTIMATED COST     |                    |                  |                     | PROJECT FIRST COST<br>(Constant Dollar Basis) |                    |                    |                     | TOTAL PROJECT COST (FULLY FUNDED) |                      |                    |                    |                    |
|--------------------------------------|---|--------------------|--------------------|------------------|---------------------|---|--------------------|--------------------|---------------------|-----------------------------------|----------------------|--------------------|--------------------|--------------------|
| WBS<br>NUMBER<br>A                   | Civil Works<br>Feature & Sub-Feature Description<br>B | COST<br>(\$K)<br>C | CNTG<br>(\$K)<br>D | CNTG<br>(%)<br>E | TOTAL<br>(\$K)<br>F | ESC<br>(%)<br>G                               | COST<br>(\$K)<br>H | CNTG<br>(\$K)<br>I | TOTAL<br>(\$K)<br>J | Mid-Point<br>Date<br>P            | INFLATED<br>(%)<br>L | COST<br>(\$K)<br>M | CNTG<br>(\$K)<br>N | FULL<br>(\$K)<br>O |
|                                      |   |                    |                    |                  |                     |   |                    |                    |                     |                                   |                      |                    |                    |                    |
| <b>09</b>                            | <b>Initial Dredging</b><br>CHANNELS & CANALS          | \$13,888           | \$19,027           | 137.0%           | \$32,915            | 0.0%  | \$13,888           | \$19,027           | \$32,915            | 2030Q3                            | 12.3%                | \$15,601           | \$21,374           | \$36,975           |
| <b>CONSTRUCTION ESTIMATE TOTALS:</b> |   | \$13,888           | \$19,027           | 137.0%           | \$32,915            |   | \$13,888           | \$19,027           | \$32,915            |                                   |                      | \$15,601           | \$21,374           | \$36,975           |
| <b>01</b>                            | LANDS AND DAMAGES                                     | \$0                | \$0                | 0.0%             | \$0                 | 0.0%  | \$0                | \$0                | \$0                 | 0                                 | 0.0%                 | \$0                | \$0                | \$0                |
| <b>30</b>                            | PLANNING, ENGINEERING & DESIGN                        |                    |                    |                  |                     |   |                    |                    |                     |                                   |                      |                    |                    |                    |
| 2.5%                                 | Project Management                                    | \$347              | \$476              | 137.0%           | \$823               | 0.0%  | \$347              | \$476              | \$823               | 2028Q4                            | 8.8%                 | \$378              | \$518              | \$895              |
| 1.0%                                 | Planning & Environmental Compliance                   | \$139              | \$190              | 137.0%           | \$329               | 0.0%  | \$139              | \$190              | \$329               | 2028Q4                            | 8.8%                 | \$151              | \$207              | \$358              |
| 10.0%                                | Engineering & Design                                  | \$1,389            | \$1,903            | 137.0%           | \$3,291             | 0.0%  | \$1,389            | \$1,903            | \$3,291             | 2028Q4                            | 8.8%                 | \$1,511            | \$2,070            | \$3,582            |
| 1.0%                                 | Reviews, ATRs, IEPs, VE                               | \$139              | \$190              | 137.0%           | \$329               | 0.0%  | \$139              | \$190              | \$329               | 2028Q4                            | 8.8%                 | \$151              | \$207              | \$358              |
| 1.0%                                 | Life Cycle Updates (cost, schedule, risks)            | \$139              | \$190              | 137.0%           | \$329               | 0.0%  | \$139              | \$190              | \$329               | 2028Q4                            | 8.8%                 | \$151              | \$207              | \$358              |
| 1.0%                                 | Contracting & Reprographics                           | \$139              | \$190              | 137.0%           | \$329               | 0.0%  | \$139              | \$190              | \$329               | 2028Q4                            | 8.8%                 | \$151              | \$207              | \$358              |
| 3.0%                                 | Engineering During Construction                       | \$417              | \$571              | 137.0%           | \$987               | 0.0%  | \$417              | \$571              | \$987               | 2030Q3                            | 15.0%                | \$479              | \$656              | \$1,135            |
| 2.0%                                 | Planning During Construction                          | \$278              | \$381              | 137.0%           | \$658               | 0.0%  | \$278              | \$381              | \$658               | 2030Q3                            | 15.0%                | \$319              | \$438              | \$757              |
| 3.0%                                 | Adaptive Management & Monitoring                      | \$417              | \$571              | 137.0%           | \$987               | 0.0%  | \$417              | \$571              | \$987               | 2032Q3                            | 22.5%                | \$510              | \$699              | \$1,209            |
| 1.0%                                 | Project Operations                                    | \$139              | \$190              | 137.0%           | \$329               | 0.0%  | \$139              | \$190              | \$329               | 2028Q4                            | 8.8%                 | \$151              | \$207              | \$358              |
|                                      | Real Estate (All Federal Labor)                       | \$0                | \$0                | 0.0%             | \$0                 | 0.0%  | \$0                | \$0                | \$0                 | 0                                 | 0.0%                 | \$0                | \$0                | \$0                |
| <b>31</b>                            | CONSTRUCTION MANAGEMENT                               |                    |                    |                  |                     |   |                    |                    |                     |                                   |                      |                    |                    |                    |
| 8.0%                                 | Construction Management                               | \$1,111            | \$1,522            | 137.0%           | \$2,633             | 0.0%  | \$1,111            | \$1,522            | \$2,633             | 2030Q3                            | 15.0%                | \$1,277            | \$1,750            | \$3,028            |
| 2.0%                                 | Project Operation:                                    | \$278              | \$381              | 137.0%           | \$658               | 0.0%  | \$278              | \$381              | \$658               | 2030Q3                            | 15.0%                | \$319              | \$438              | \$757              |
| 2.5%                                 | Project Management                                    | \$347              | \$476              | 137.0%           | \$823               | 0.0%  | \$347              | \$476              | \$823               | 2030Q3                            | 15.0%                | \$399              | \$547              | \$946              |
| <b>CONTRACT COST TOTALS:</b>         |   | \$19,165           | \$26,257           |                  | \$45,422            |   | \$19,165           | \$26,257           | \$45,422            |                                   |                      | \$21,551           | \$29,525           | \$51,075           |

\*\*\*\* TOTAL PROJECT COST SUMMARY \*\*\*\*

\*\*\*\* CONTRACT COST SUMMARY \*\*\*\*

PROJECT: Tiered Analysis From the Lower Snake River  
 LOCATION: Asotin, Whitman, and Garfield Counties  
 This Estimate reflects the scope and schedule in report; Tiered Environmental Impact Statement

DISTRICT: NWW District  
 POC: CHIEF, COST ENGINEERING, Derek Nelson

PREPARED: 1/23/2026

| Civil Works Work Breakdown Structure |   | ESTIMATED COST                      |            |  |             | PROJECT FIRST COST<br>(Constant Dollar Basis) |            |   |             | TOTAL PROJECT COST (FULLY FUNDED) |              |            |            |             |
|--------------------------------------|---|-------------------------------------|------------|--|-------------|---|------------|---|-------------|-----------------------------------|--------------|------------|------------|-------------|
|                                      |   | Estimate Prepared: <b>23-Jan-26</b> |            | Effective Price Level: <b>1-Oct-25</b> |             | Program Year (Budget EC): <b>2026</b>         |            | Effective Price Level Date: <b>1 OCT 25</b> |             |                                   |              |            |            |             |
| WBS NUMBER                           | Civil Works Feature & Sub-Feature Description | COST (\$K)                          | CNTG (\$K) | CNTG (%)                               | TOTAL (\$K) | ESC (%)                                       | COST (\$K) | CNTG (\$K)                                  | TOTAL (\$K) | Mid-Point Date                    | INFLATED (%) | COST (\$K) | CNTG (\$K) | FULL (\$K)  |
| A                                    | B   | C                                   | D          | E                                      | F           | G   | H          | I   | J           | P                                 | L            | M          | N          | O           |
| <b>09</b>                            | <b>O&amp;M Dredging</b><br>CHANNELS & CANALS  | \$187,462                           | \$256,823  | 137.0%                                 | \$444,285   | 0.0%  | \$187,462  | \$256,823                                   | \$444,285   | 2055Q1                            | 110.6%       | \$394,874  | \$540,977  | \$935,851   |
| <b>CONSTRUCTION ESTIMATE TOTALS:</b> |   | \$187,462                           | \$256,823  | 137.0%                                 | \$444,285   |   | \$187,462  | \$256,823                                   | \$444,285   |                                   |              | \$394,874  | \$540,977  | \$935,851   |
| <b>01</b>                            | LANDS AND DAMAGES                             | \$0                                 | \$0        | 0.0%                                   | \$0         | 0.0%  | \$0        | \$0   | \$0         | 0                                 | 0.0%         | \$0        | \$0        | \$0         |
| <b>30</b>                            | PLANNING, ENGINEERING & DESIGN                |                                     |            |  |             |   |            |   |             |                                   |              |            |            |             |
| 2.5%                                 | Project Management                            | \$4,687                             | \$6,421    | 137.0%                                 | \$11,107    | 0.0%  | \$4,687    | \$6,421                                     | \$11,107    | 2054Q1                            | 140.8%       | \$11,285   | \$15,461   | \$26,746    |
| 1.0%                                 | Planning & Environmental Compliance           | \$1,875                             | \$2,568    | 137.0%                                 | \$4,443     | 0.0%  | \$1,875    | \$2,568                                     | \$4,443     | 2054Q1                            | 140.8%       | \$4,514    | \$6,184    | \$10,699    |
| 10.0%                                | Engineering & Design                          | \$18,746                            | \$25,682   | 137.0%                                 | \$44,428    | 0.0%  | \$18,746   | \$25,682                                    | \$44,428    | 2054Q1                            | 140.8%       | \$45,142   | \$61,844   | \$106,986   |
| 1.0%                                 | Reviews, ATRs, IEPRs, VE                      | \$1,875                             | \$2,568    | 137.0%                                 | \$4,443     | 0.0%  | \$1,875    | \$2,568                                     | \$4,443     | 2054Q1                            | 140.8%       | \$4,514    | \$6,184    | \$10,699    |
| 1.0%                                 | Life Cycle Updates (cost, schedule, risks)    | \$1,875                             | \$2,568    | 137.0%                                 | \$4,443     | 0.0%  | \$1,875    | \$2,568                                     | \$4,443     | 2054Q1                            | 140.8%       | \$4,514    | \$6,184    | \$10,699    |
| 1.0%                                 | Contracting & Reprographics                   | \$1,875                             | \$2,568    | 137.0%                                 | \$4,443     | 0.0%  | \$1,875    | \$2,568                                     | \$4,443     | 2054Q1                            | 140.8%       | \$4,514    | \$6,184    | \$10,699    |
| 3.0%                                 | Engineering During Construction               | \$5,624                             | \$7,705    | 137.0%                                 | \$13,329    | 0.0%  | \$5,624    | \$7,705                                     | \$13,329    | 2055Q1                            | 148.5%       | \$13,976   | \$19,147   | \$33,123    |
| 2.0%                                 | Planning During Construction                  | \$3,749                             | \$5,136    | 137.0%                                 | \$8,886     | 0.0%  | \$3,749    | \$5,136                                     | \$8,886     | 2055Q1                            | 148.5%       | \$9,317    | \$12,765   | \$22,082    |
| 3.0%                                 | Adaptive Management & Monitoring              | \$5,624                             | \$7,705    | 137.0%                                 | \$13,329    | 0.0%  | \$5,624    | \$7,705                                     | \$13,329    | 2056Q1                            | 156.5%       | \$14,423   | \$19,760   | \$34,183    |
| 1.0%                                 | Project Operations                            | \$1,875                             | \$2,568    | 137.0%                                 | \$4,443     | 0.0%  | \$1,875    | \$2,568                                     | \$4,443     | 2054Q1                            | 140.8%       | \$4,514    | \$6,184    | \$10,699    |
|                                      | Real Estate (All Federal Labor)               | \$0                                 | \$0        | 0.0%                                   | \$0         | 0.0%  | \$0        | \$0   | \$0         | 0                                 | 0.0%         | \$0        | \$0        | \$0         |
| <b>31</b>                            | CONSTRUCTION MANAGEMENT                       |                                     |            |  |             |   |            |   |             |                                   |              |            |            |             |
| 8.0%                                 | Construction Management                       | \$14,997                            | \$20,546   | 137.0%                                 | \$35,543    | 0.0%  | \$14,997   | \$20,546                                    | \$35,543    | 2055Q1                            | 148.5%       | \$37,269   | \$51,058   | \$88,327    |
| 2.0%                                 | Project Operation:                            | \$3,749                             | \$5,136    | 137.0%                                 | \$8,886     | 0.0%  | \$3,749    | \$5,136                                     | \$8,886     | 2055Q1                            | 148.5%       | \$9,317    | \$12,765   | \$22,082    |
| 2.5%                                 | Project Management                            | \$4,687                             | \$6,421    | 137.0%                                 | \$11,107    | 0.0%  | \$4,687    | \$6,421                                     | \$11,107    | 2055Q1                            | 148.5%       | \$11,647   | \$15,956   | \$27,602    |
| <b>CONTRACT COST TOTALS:</b>         |   | \$258,698                           | \$354,416  |  | \$613,113   |   | \$258,698  | \$354,416                                   | \$613,113   |                                   |              | \$569,821  | \$780,654  | \$1,350,475 |

\*\*\*\* TOTAL PROJECT COST SUMMARY \*\*\*\*

PROJECT: Tiered Analysis From the Lower Snake River  
PROJECT NO: P2 xxxxxx  
LOCATION: Asotin, Whitman, and Garfield Counties

DISTRICT: NWW District  
POC: CHIEF, COST ENGINEERING, Derek Nelson

PREPARED: 1/23/2026

This Estimate reflects the scope and schedule in report; Tiered Environmental Impact Statement

| Civil Works Work Breakdown Structure |   | ESTIMATED COST     |                    |                  |                     | PROJECT FIRST COST<br>(Constant Dollar Basis) |                    |                    |                     |  | TOTAL PROJECT COST<br>(FULLY FUNDED) |                                   |                      |                    |                    |                    |
|--------------------------------------|---|--------------------|--------------------|------------------|---------------------|---|--------------------|--------------------|---------------------|--|--------------------------------------|-----------------------------------|----------------------|--------------------|--------------------|--------------------|
| WBS<br>NUMBER<br>A                   | Civil Works<br>Feature & Sub-Feature Description<br>B | COST<br>(\$K)<br>C | CNTG<br>(\$K)<br>D | CNTG<br>(%)<br>E | TOTAL<br>(\$K)<br>F | ESC<br>(%)<br>G                               | COST<br>(\$K)<br>H | CNTG<br>(\$K)<br>I | TOTAL<br>(\$K)<br>J | Program Year (Budget EC): 2026<br>Effective Price Level Date: 1 OCT 25 |                                      | TOTAL FIRST<br>COST<br>(\$K)<br>K | INFLATED<br>(%)<br>L | COST<br>(\$K)<br>M | CNTG<br>(\$K)<br>N | FULL<br>(\$K)<br>O |
|                                      |   |                    |                    |                  |                     |   |                    |                    |                     | Spent Thru:<br>1-Oct-25<br>(\$K)                                       |                                      |                                   |                      |                    |                    |                    |
| 09                                   | CHANNELS & CANALS                                     | \$56,830           | \$51,147           | 90.0%            | \$107,977           | 0.0%  | \$56,830           | \$51,147           | \$107,977           | \$0  | \$107,977                            | 110.6%                            | \$119,708            | \$107,737          | \$227,445          |                    |
|                                      | <b>CONSTRUCTION ESTIMATE TOTALS:</b>                  | \$56,830           | \$51,147           |                  | \$107,977           | 0.0%  | \$56,830           | \$51,147           | \$107,977           | \$0  | \$107,977                            | 110.6%                            | \$119,708            | \$107,737          | \$227,445          |                    |
| 01                                   | LANDS AND DAMAGES                                     | \$0                | \$0                |                  | \$0                 | -   | \$0                | \$0                | \$0                 | \$0  | \$0                                  |                                   | \$0                  | \$0                | \$0                |                    |
| 30                                   | PLANNING, ENGINEERING & DESIGN                        | \$14,492           | \$13,042           | 90.0%            | \$27,534            | 0.0%  | \$14,492           | \$13,042           | \$27,534            | \$0  | \$27,534                             | 144.2%                            | \$35,382             | \$31,844           | \$67,227           |                    |
| 31                                   | CONSTRUCTION MANAGEMENT                               | \$7,104            | \$6,393            | 90.0%            | \$13,497            | 0.0%  | \$7,104            | \$6,393            | \$13,497            | \$0  | \$13,497                             | 148.5%                            | \$17,654             | \$15,888           | \$33,542           |                    |
| <b>PROJECT COST TOTALS:</b>          |   | \$78,425           | \$70,583           | 90.0%            | \$149,008           |   | \$78,425           | \$70,583           | \$149,008           | \$0  | \$149,008                            | 120.3%                            | \$172,744            | \$155,469          | \$328,213          |                    |

- \_\_\_\_\_ CHIEF, COST ENGINEERING, Derek Nelson
- \_\_\_\_\_ PROJECT MANAGER, Kathryn Wenger
- \_\_\_\_\_ CHIEF, REAL ESTATE, Allison Needham
- \_\_\_\_\_ CHIEF, PLANNING, Cindy Boen
- \_\_\_\_\_ CHIEF, ENGINEERING, Dwayne Weston
- \_\_\_\_\_ CHIEF, OPERATIONS, Paul Ocker
- \_\_\_\_\_ CHIEF, CONSTRUCTION, Duane West
- \_\_\_\_\_ CHIEF, CONTRACTING, Hillary Morgan
- \_\_\_\_\_ CHIEF, PM-PB, Julie Balten
- \_\_\_\_\_ CHIEF, DPM, Julie Balten

**ESTIMATED TOTAL PROJECT COST: \$328,213**

**Alt 4 - Non-Structural: Seasonal Drawdown**

\*\*\*\* TOTAL PROJECT COST SUMMARY \*\*\*\*

\*\*\*\* CONTRACT COST SUMMARY \*\*\*\*

PROJECT: Tiered Analysis From the Lower Snake River  
 LOCATION: Asotin, Whitman, and Garfield Counties  
 This Estimate reflects the scope and schedule in report; Tiered Environmental Impact Statement

DISTRICT: NWW District  
 POC: CHIEF, COST ENGINEERING, Derek Nelson

PREPARED: 1/23/2026

| Civil Works Work Breakdown Structure |  | ESTIMATED COST                      |               |             |                | PROJECT FIRST COST<br>(Constant Dollar Basis) |               |               |                | TOTAL PROJECT COST (FULLY FUNDED) |                 |               |               |               |
|--------------------------------------|--|-------------------------------------|---------------|-------------|----------------|---|---------------|---------------|----------------|-----------------------------------|-----------------|---------------|---------------|---------------|
|                                      |  | Estimate Prepared: <b>23-Jan-26</b> |               |             |                | Program Year (Budget EC): 2026                |               |               |                |                                   |                 |               |               |               |
|                                      |  | Effective Price Level: 1-Oct-25     |               |             |                | Effective Price Level Date: 1 OCT 25          |               |               |                |                                   |                 |               |               |               |
| WBS<br>NUMBER                        | Civil Works<br>Feature & Sub-Feature Description | RISK BASED                          |               |             | TOTAL<br>(\$K) | ESC<br>(%)                                    | COST<br>(\$K) | CNTG<br>(\$K) | TOTAL<br>(\$K) | Mid-Point<br>Date                 | INFLATED<br>(%) | COST<br>(\$K) | CNTG<br>(\$K) | FULL<br>(\$K) |
|                                      |  | COST<br>(\$K)                       | CNTG<br>(\$K) | CNTG<br>(%) |                |   |               |               |                |                                   |                 |               |               |               |
| A                                    | B  | C                                   | D             | E           | F              | G   | H             | I             | J              |                                   |                 |               |               |               |
| <b>09</b>                            | <b>Structures</b><br>CHANNELS & CANALS           | \$0                                 | \$0           | 90.0%       | \$0            | 0.0%  | \$0           | \$0           | \$0            | 0                                 | 0.0%            | \$0           | \$0           | \$0           |
| <b>CONSTRUCTION ESTIMATE TOTALS:</b> |  | \$0                                 | \$0           | 0.0%        | \$0            |   | \$0           | \$0           | \$0            |                                   |                 | \$0           | \$0           | \$0           |
| <b>01</b>                            | LANDS AND DAMAGES                                | \$0                                 | \$0           | 0.0%        | \$0            | 0.0%  | \$0           | \$0           | \$0            | 0                                 | 0.0%            | \$0           | \$0           | \$0           |
| <b>30</b>                            | PLANNING, ENGINEERING & DESIGN                   |                                     |               |             |                |   |               |               |                |                                   |                 |               |               |               |
| 2.5%                                 | Project Management                               | \$0                                 | \$0           | 90.0%       | \$0            | 0.0%  | \$0           | \$0           | \$0            | 0                                 | 0.0%            | \$0           | \$0           | \$0           |
| 1.0%                                 | Planning & Environmental Compliance              | \$0                                 | \$0           | 90.0%       | \$0            | 0.0%  | \$0           | \$0           | \$0            | 0                                 | 0.0%            | \$0           | \$0           | \$0           |
| 10.0%                                | Engineering & Design                             | \$0                                 | \$0           | 90.0%       | \$0            | 0.0%  | \$0           | \$0           | \$0            | 0                                 | 0.0%            | \$0           | \$0           | \$0           |
| 1.0%                                 | Reviews, ATRs, IEPRs, VE                         | \$0                                 | \$0           | 90.0%       | \$0            | 0.0%  | \$0           | \$0           | \$0            | 0                                 | 0.0%            | \$0           | \$0           | \$0           |
| 1.0%                                 | Life Cycle Updates (cost, schedule, risks)       | \$0                                 | \$0           | 90.0%       | \$0            | 0.0%  | \$0           | \$0           | \$0            | 0                                 | 0.0%            | \$0           | \$0           | \$0           |
| 1.0%                                 | Contracting & Reprographics                      | \$0                                 | \$0           | 90.0%       | \$0            | 0.0%  | \$0           | \$0           | \$0            | 0                                 | 0.0%            | \$0           | \$0           | \$0           |
| 3.0%                                 | Engineering During Construction                  | \$0                                 | \$0           | 90.0%       | \$0            | 0.0%  | \$0           | \$0           | \$0            | 0                                 | 0.0%            | \$0           | \$0           | \$0           |
| 2.0%                                 | Planning During Construction                     | \$0                                 | \$0           | 90.0%       | \$0            | 0.0%  | \$0           | \$0           | \$0            | 0                                 | 0.0%            | \$0           | \$0           | \$0           |
| 3.0%                                 | Adaptive Management & Monitoring                 | \$0                                 | \$0           | 90.0%       | \$0            | 0.0%  | \$0           | \$0           | \$0            | 0                                 | 0.0%            | \$0           | \$0           | \$0           |
| 1.0%                                 | Project Operations                               | \$0                                 | \$0           | 90.0%       | \$0            | 0.0%  | \$0           | \$0           | \$0            | 0                                 | 0.0%            | \$0           | \$0           | \$0           |
|                                      | Real Estate (All Federal Labor)                  | \$0                                 | \$0           | 0.0%        | \$0            | 0.0%  | \$0           | \$0           | \$0            | 0                                 | 0.0%            | \$0           | \$0           | \$0           |
| <b>31</b>                            | CONSTRUCTION MANAGEMENT                          |                                     |               |             |                |   |               |               |                |                                   |                 |               |               |               |
| 8.0%                                 | Construction Management                          | \$0                                 | \$0           | 90.0%       | \$0            | 0.0%  | \$0           | \$0           | \$0            | 0                                 | 0.0%            | \$0           | \$0           | \$0           |
| 2.0%                                 | Project Operation:                               | \$0                                 | \$0           | 90.0%       | \$0            | 0.0%  | \$0           | \$0           | \$0            | 0                                 | 0.0%            | \$0           | \$0           | \$0           |
| 2.5%                                 | Project Management                               | \$0                                 | \$0           | 90.0%       | \$0            | 0.0%  | \$0           | \$0           | \$0            | 0                                 | 0.0%            | \$0           | \$0           | \$0           |
| <b>CONTRACT COST TOTALS:</b>         |  | \$0                                 | \$0           |             | \$0            |   | \$0           | \$0           | \$0            |                                   |                 | \$0           | \$0           | \$0           |

\*\*\*\* TOTAL PROJECT COST SUMMARY \*\*\*\*

\*\*\*\* CONTRACT COST SUMMARY \*\*\*\*

PROJECT: Tiered Analysis From the Lower Snake River  
 LOCATION: Asotin, Whitman, and Garfield Counties  
 This Estimate reflects the scope and schedule in report; Tiered Environmental Impact Statement

DISTRICT: NWW District  
 POC: CHIEF, COST ENGINEERING, Derek Nelson

PREPARED: 1/23/2026

| Civil Works Work Breakdown Structure |   | ESTIMATED COST     |                    |                  |                     | PROJECT FIRST COST<br>(Constant Dollar Basis) |                    |                    |                     | TOTAL PROJECT COST (FULLY FUNDED) |                      |                    |                    |                    |
|--------------------------------------|---|--------------------|--------------------|------------------|---------------------|---|--------------------|--------------------|---------------------|-----------------------------------|----------------------|--------------------|--------------------|--------------------|
| WBS<br>NUMBER<br>A                   | Civil Works<br>Feature & Sub-Feature Description<br>B | COST<br>(\$K)<br>C | CNTG<br>(\$K)<br>D | CNTG<br>(%)<br>E | TOTAL<br>(\$K)<br>F | ESC<br>(%)<br>G                               | COST<br>(\$K)<br>H | CNTG<br>(\$K)<br>I | TOTAL<br>(\$K)<br>J | Mid-Point<br>Date<br>P            | INFLATED<br>(%)<br>L | COST<br>(\$K)<br>M | CNTG<br>(\$K)<br>N | FULL<br>(\$K)<br>O |
|                                      |   |                    |                    |                  |                     |   |                    |                    |                     |                                   |                      |                    |                    |                    |
| 09                                   | Initial Dredging<br>CHANNELS & CANALS                 | \$0                | \$0                | 90.0%            | \$0                 | 0.0%  | \$0                | \$0                | \$0                 | 0                                 | 0.0%                 | \$0                | \$0                | \$0                |
| <b>CONSTRUCTION ESTIMATE TOTALS:</b> |   | \$0                | \$0                | 0.0%             | \$0                 |   | \$0                | \$0                | \$0                 |                                   |                      | \$0                | \$0                | \$0                |
| 01                                   | LANDS AND DAMAGES                                     | \$0                | \$0                | 0.0%             | \$0                 | 0.0%  | \$0                | \$0                | \$0                 | 0                                 | 0.0%                 | \$0                | \$0                | \$0                |
| 30                                   | PLANNING, ENGINEERING & DESIGN                        |                    |                    |                  |                     |   |                    |                    |                     |                                   |                      |                    |                    |                    |
| 2.5%                                 | Project Management                                    | \$0                | \$0                | 90.0%            | \$0                 | 0.0%  | \$0                | \$0                | \$0                 | 0                                 | 0.0%                 | \$0                | \$0                | \$0                |
| 1.0%                                 | Planning & Environmental Compliance                   | \$0                | \$0                | 90.0%            | \$0                 | 0.0%  | \$0                | \$0                | \$0                 | 0                                 | 0.0%                 | \$0                | \$0                | \$0                |
| 10.0%                                | Engineering & Design                                  | \$0                | \$0                | 90.0%            | \$0                 | 0.0%  | \$0                | \$0                | \$0                 | 0                                 | 0.0%                 | \$0                | \$0                | \$0                |
| 1.0%                                 | Reviews, ATRs, IEPRs, VE                              | \$0                | \$0                | 90.0%            | \$0                 | 0.0%  | \$0                | \$0                | \$0                 | 0                                 | 0.0%                 | \$0                | \$0                | \$0                |
| 1.0%                                 | Life Cycle Updates (cost, schedule, risks)            | \$0                | \$0                | 90.0%            | \$0                 | 0.0%  | \$0                | \$0                | \$0                 | 0                                 | 0.0%                 | \$0                | \$0                | \$0                |
| 1.0%                                 | Contracting & Reprographics                           | \$0                | \$0                | 90.0%            | \$0                 | 0.0%  | \$0                | \$0                | \$0                 | 0                                 | 0.0%                 | \$0                | \$0                | \$0                |
| 3.0%                                 | Engineering During Construction                       | \$0                | \$0                | 90.0%            | \$0                 | 0.0%  | \$0                | \$0                | \$0                 | 0                                 | 0.0%                 | \$0                | \$0                | \$0                |
| 2.0%                                 | Planning During Construction                          | \$0                | \$0                | 90.0%            | \$0                 | 0.0%  | \$0                | \$0                | \$0                 | 0                                 | 0.0%                 | \$0                | \$0                | \$0                |
| 3.0%                                 | Adaptive Management & Monitoring                      | \$0                | \$0                | 90.0%            | \$0                 | 0.0%  | \$0                | \$0                | \$0                 | 0                                 | 0.0%                 | \$0                | \$0                | \$0                |
| 1.0%                                 | Project Operations                                    | \$0                | \$0                | 90.0%            | \$0                 | 0.0%  | \$0                | \$0                | \$0                 | 0                                 | 0.0%                 | \$0                | \$0                | \$0                |
|                                      | Real Estate (All Federal Labor)                       | \$0                | \$0                | 0.0%             | \$0                 | 0.0%  | \$0                | \$0                | \$0                 | 0                                 | 0.0%                 | \$0                | \$0                | \$0                |
| 31                                   | CONSTRUCTION MANAGEMENT                               |                    |                    |                  |                     |   |                    |                    |                     |                                   |                      |                    |                    |                    |
| 8.0%                                 | Construction Management                               | \$0                | \$0                | 90.0%            | \$0                 | 0.0%  | \$0                | \$0                | \$0                 | 0                                 | 0.0%                 | \$0                | \$0                | \$0                |
| 2.0%                                 | Project Operation:                                    | \$0                | \$0                | 90.0%            | \$0                 | 0.0%  | \$0                | \$0                | \$0                 | 0                                 | 0.0%                 | \$0                | \$0                | \$0                |
| 2.5%                                 | Project Management                                    | \$0                | \$0                | 90.0%            | \$0                 | 0.0%  | \$0                | \$0                | \$0                 | 0                                 | 0.0%                 | \$0                | \$0                | \$0                |
| <b>CONTRACT COST TOTALS:</b>         |   | \$0                | \$0                |                  | \$0                 |   | \$0                | \$0                | \$0                 |                                   |                      | \$0                | \$0                | \$0                |

\*\*\*\* TOTAL PROJECT COST SUMMARY \*\*\*\*

\*\*\*\* CONTRACT COST SUMMARY \*\*\*\*

PROJECT: Tiered Analysis From the Lower Snake River  
 LOCATION: Asotin, Whitman, and Garfield Counties  
 This Estimate reflects the scope and schedule in report; Tiered Environmental Impact Statement

DISTRICT: NWW District  
 POC: CHIEF, COST ENGINEERING, Derek Nelson

PREPARED: 1/23/2026

| Civil Works Work Breakdown Structure |   | ESTIMATED COST                      |            |          |             | PROJECT FIRST COST<br>(Constant Dollar Basis) |            |            |             | TOTAL PROJECT COST (FULLY FUNDED) |              |            |            |            |
|--------------------------------------|---|-------------------------------------|------------|----------|-------------|---|------------|------------|-------------|-----------------------------------|--------------|------------|------------|------------|
|                                      |   | Estimate Prepared: <b>23-Jan-26</b> |            |          |             | Program Year (Budget EC): 2026                |            |            |             |                                   |              |            |            |            |
|                                      |   | Effective Price Level: 1-Oct-25     |            |          |             | Effective Price Level Date: 1 OCT 25          |            |            |             |                                   |              |            |            |            |
| WBS NUMBER                           | Civil Works Feature & Sub-Feature Description | COST (\$K)                          | CNTG (\$K) | CNTG (%) | TOTAL (\$K) | ESC (%)                                       | COST (\$K) | CNTG (\$K) | TOTAL (\$K) | Mid-Point Date                    | INFLATED (%) | COST (\$K) | CNTG (\$K) | FULL (\$K) |
| A                                    | B   | C                                   | D          | E        | F           | G   | H          | I          | J           | P                                 | L            | M          | N          | O          |
| <b>09</b>                            | <b>O&amp;M Dredging</b><br>CHANNELS & CANALS  | \$56,830                            | \$51,147   | 90.0%    | \$107,977   | 0.0%  | \$56,830   | \$51,147   | \$107,977   | 2055Q1                            | 110.6%       | \$119,708  | \$107,737  | \$227,445  |
| <b>CONSTRUCTION ESTIMATE TOTALS:</b> |   | \$56,830                            | \$51,147   | 90.0%    | \$107,977   |   | \$56,830   | \$51,147   | \$107,977   |                                   |              | \$119,708  | \$107,737  | \$227,445  |
| <b>01</b>                            | LANDS AND DAMAGES                             | \$0                                 | \$0        | 0.0%     | \$0         | 0.0%  | \$0        | \$0        | \$0         | 0                                 | 0.0%         | \$0        | \$0        | \$0        |
| <b>30</b>                            | PLANNING, ENGINEERING & DESIGN                |                                     |            |          |             |   |            |            |             |                                   |              |            |            |            |
| 2.5%                                 | Project Management                            | \$1,421                             | \$1,279    | 90.0%    | \$2,699     | 0.0%  | \$1,421    | \$1,279    | \$2,699     | 2054Q1                            | 140.8%       | \$3,421    | \$3,079    | \$6,500    |
| 1.0%                                 | Planning & Environmental Compliance           | \$568                               | \$511      | 90.0%    | \$1,080     | 0.0%  | \$568      | \$511      | \$1,080     | 2054Q1                            | 140.8%       | \$1,368    | \$1,232    | \$2,600    |
| 10.0%                                | Engineering & Design                          | \$5,683                             | \$5,115    | 90.0%    | \$10,798    | 0.0%  | \$5,683    | \$5,115    | \$10,798    | 2054Q1                            | 140.8%       | \$13,685   | \$12,316   | \$26,001   |
| 1.0%                                 | Reviews, ATRs, IEPRs, VE                      | \$568                               | \$511      | 90.0%    | \$1,080     | 0.0%  | \$568      | \$511      | \$1,080     | 2054Q1                            | 140.8%       | \$1,368    | \$1,232    | \$2,600    |
| 1.0%                                 | Life Cycle Updates (cost, schedule, risks)    | \$568                               | \$511      | 90.0%    | \$1,080     | 0.0%  | \$568      | \$511      | \$1,080     | 2054Q1                            | 140.8%       | \$1,368    | \$1,232    | \$2,600    |
| 1.0%                                 | Contracting & Reprographics                   | \$568                               | \$511      | 90.0%    | \$1,080     | 0.0%  | \$568      | \$511      | \$1,080     | 2054Q1                            | 140.8%       | \$1,368    | \$1,232    | \$2,600    |
| 3.0%                                 | Engineering During Construction               | \$1,705                             | \$1,534    | 90.0%    | \$3,239     | 0.0%  | \$1,705    | \$1,534    | \$3,239     | 2055Q1                            | 148.5%       | \$4,237    | \$3,813    | \$8,050    |
| 2.0%                                 | Planning During Construction                  | \$1,137                             | \$1,023    | 90.0%    | \$2,160     | 0.0%  | \$1,137    | \$1,023    | \$2,160     | 2055Q1                            | 148.5%       | \$2,825    | \$2,542    | \$5,367    |
| 3.0%                                 | Adaptive Management & Monitoring              | \$1,705                             | \$1,534    | 90.0%    | \$3,239     | 0.0%  | \$1,705    | \$1,534    | \$3,239     | 2056Q1                            | 156.5%       | \$4,372    | \$3,935    | \$8,308    |
| 1.0%                                 | Project Operations                            | \$568                               | \$511      | 90.0%    | \$1,080     | 0.0%  | \$568      | \$511      | \$1,080     | 2054Q1                            | 140.8%       | \$1,368    | \$1,232    | \$2,600    |
|                                      | Real Estate (All Federal Labor)               | \$0                                 | \$0        | 0.0%     | \$0         | 0.0%  | \$0        | \$0        | \$0         | 0                                 | 0.0%         | \$0        | \$0        | \$0        |
| <b>31</b>                            | CONSTRUCTION MANAGEMENT                       |                                     |            |          |             |   |            |            |             |                                   |              |            |            |            |
| 8.0%                                 | Construction Management                       | \$4,546                             | \$4,092    | 90.0%    | \$8,638     | 0.0%  | \$4,546    | \$4,092    | \$8,638     | 2055Q1                            | 148.5%       | \$11,298   | \$10,168   | \$21,467   |
| 2.0%                                 | Project Operation:                            | \$1,137                             | \$1,023    | 90.0%    | \$2,160     | 0.0%  | \$1,137    | \$1,023    | \$2,160     | 2055Q1                            | 148.5%       | \$2,825    | \$2,542    | \$5,367    |
| 2.5%                                 | Project Management                            | \$1,421                             | \$1,279    | 90.0%    | \$2,699     | 0.0%  | \$1,421    | \$1,279    | \$2,699     | 2055Q1                            | 148.5%       | \$3,531    | \$3,178    | \$6,708    |
| <b>CONTRACT COST TOTALS:</b>         |   | \$78,425                            | \$70,583   |          | \$149,008   |   | \$78,425   | \$70,583   | \$149,008   |                                   |              | \$172,744  | \$155,469  | \$328,213  |

\*\*\*\* TOTAL PROJECT COST SUMMARY \*\*\*\*

PROJECT: Tiered Analysis From the Lower Snake River  
PROJECT NO: P2 xxxxxx  
LOCATION: Asotin, Whitman, and Garfield Counties

DISTRICT: NWW District  
POC: CHIEF, COST ENGINEERING, Derek Nelson

PREPARED: 1/23/2026

This Estimate reflects the scope and schedule in report; Tiered Environmental Impact Statement

| Civil Works Work Breakdown Structure |   | ESTIMATED COST     |                    |                  |                     | PROJECT FIRST COST<br>(Constant Dollar Basis)                          |                    |                    |                     |                                  | TOTAL PROJECT COST<br>(FULLY FUNDED) |                      |                    |                    |                    |
|--------------------------------------|---|--------------------|--------------------|------------------|---------------------|--|--------------------|--------------------|---------------------|----------------------------------|--------------------------------------|----------------------|--------------------|--------------------|--------------------|
| WBS<br>NUMBER<br>A                   | Civil Works<br>Feature & Sub-Feature Description<br>B | COST<br>(\$K)<br>C | CNTG<br>(\$K)<br>D | CNTG<br>(%)<br>E | TOTAL<br>(\$K)<br>F | Program Year (Budget EC): 2026<br>Effective Price Level Date: 1 OCT 25 |                    |                    |                     | Spent Thru:<br>1-Oct-25<br>(\$K) | TOTAL FIRST<br>COST<br>(\$K)<br>K    | INFLATED<br>(%)<br>L | COST<br>(\$K)<br>M | CNTG<br>(\$K)<br>N | FULL<br>(\$K)<br>O |
|                                      |   |                    |                    |                  |                     | ESC<br>(%)<br>G  | COST<br>(\$K)<br>H | CNTG<br>(\$K)<br>I | TOTAL<br>(\$K)<br>J |                                  |                                      |                      |                    |                    |                    |
| 09                                   | CHANNELS & CANALS                                     | \$59,420           | \$48,724           | 82.0%            | \$108,144           | 0.0%   | \$59,420           | \$48,724           | \$108,144           | \$0                              | \$108,144                            | 94.8%                | \$115,722          | \$94,892           | \$210,615          |
|                                      | <b>CONSTRUCTION ESTIMATE TOTALS:</b>                  | \$59,420           | \$48,724           |                  | \$108,144           | 0.0%   | \$59,420           | \$48,724           | \$108,144           | \$0                              | \$108,144                            | 94.8%                | \$115,722          | \$94,892           | \$210,615          |
| 01                                   | LANDS AND DAMAGES                                     | \$0                | \$0                | -                | \$0                 | -  | \$0                | \$0                | \$0                 | \$0                              | \$0                                  | -                    | \$0                | \$0                | \$0                |
| 30                                   | PLANNING, ENGINEERING & DESIGN                        | \$15,152           | \$12,425           | 82.0%            | \$27,577            | 0.0%   | \$15,152           | \$12,425           | \$27,577            | \$0                              | \$27,577                             | 122.7%               | \$33,749           | \$27,674           | \$61,424           |
| 31                                   | CONSTRUCTION MANAGEMENT                               | \$7,428            | \$6,091            | 82.0%            | \$13,518            | 0.0%   | \$7,428            | \$6,091            | \$13,518            | \$0                              | \$13,518                             | 126.9%               | \$16,855           | \$13,821           | \$30,676           |
| <b>PROJECT COST TOTALS:</b>          |   | \$82,000           | \$67,240           | 82.0%            | \$149,239           |  | \$82,000           | \$67,240           | \$149,239           | \$0                              | \$149,239                            | 102.8%               | \$166,327          | \$136,388          | \$302,715          |

- \_\_\_\_\_ CHIEF, COST ENGINEERING, Derek Nelson
- \_\_\_\_\_ PROJECT MANAGER, Kathryn Wenger
- \_\_\_\_\_ CHIEF, REAL ESTATE, Allison Needham
- \_\_\_\_\_ CHIEF, PLANNING, Cindy Boen
- \_\_\_\_\_ CHIEF, ENGINEERING, Dwayne Weston
- \_\_\_\_\_ CHIEF, OPERATIONS, Paul Ocker
- \_\_\_\_\_ CHIEF, CONSTRUCTION, Duane West
- \_\_\_\_\_ CHIEF, CONTRACTING, Hillary Morgan
- \_\_\_\_\_ CHIEF, PM-PB, Julie Balten
- \_\_\_\_\_ CHIEF, DPM, Julie Balten

**ESTIMATED TOTAL PROJECT COST: \$302,715**

**Alt 5: Relocate and/or Reconfigure Affected  
Federal Facilities + Dredging and Disposal**

\*\*\*\* TOTAL PROJECT COST SUMMARY \*\*\*\*

\*\*\*\* CONTRACT COST SUMMARY \*\*\*\*

PROJECT: Tiered Analysis From the Lower Snake River  
 LOCATION: Asotin, Whitman, and Garfield Counties  
 This Estimate reflects the scope and schedule in report; Tiered Environmental Impact Statement

DISTRICT: NWW District  
 POC: CHIEF, COST ENGINEERING, Derek Nelson

PREPARED: 1/23/2026

| Civil Works Work Breakdown Structure |   | ESTIMATED COST                      |            |          |             | PROJECT FIRST COST<br>(Constant Dollar Basis) |            |            |             | TOTAL PROJECT COST (FULLY FUNDED) |              |            |            |            |
|--------------------------------------|---|-------------------------------------|------------|----------|-------------|---|------------|------------|-------------|-----------------------------------|--------------|------------|------------|------------|
|                                      |   | Estimate Prepared: <b>23-Jan-26</b> |            |          |             | Program Year (Budget EC): 2026                |            |            |             |                                   |              |            |            |            |
|                                      |   | Effective Price Level: 1-Oct-25     |            |          |             | Effective Price Level Date: 1 OCT 25          |            |            |             |                                   |              |            |            |            |
|                                      |   | RISK BASED                          |            |          |             |   |            |            |             |                                   |              |            |            |            |
| WBS NUMBER                           | Civil Works Feature & Sub-Feature Description | COST (\$K)                          | CNTG (\$K) | CNTG (%) | TOTAL (\$K) | ESC (%)                                       | COST (\$K) | CNTG (\$K) | TOTAL (\$K) | Mid-Point Date                    | INFLATED (%) | COST (\$K) | CNTG (\$K) | FULL (\$K) |
| A                                    | B   | C                                   | D          | E        | F           | G   | H          | I          | J           | P                                 | L            | M          | N          | O          |
| <b>09</b>                            | <b>Structures</b><br>CHANNELS & CANALS        | \$0                                 | \$0        | 82.0%    | \$0         | 0.0%  | \$0        | \$0        | \$0         | 0                                 | 0.0%         | \$0        | \$0        | \$0        |
| <b>CONSTRUCTION ESTIMATE TOTALS:</b> |   | \$0                                 | \$0        | 0.0%     | \$0         |   | \$0        | \$0        | \$0         |                                   |              | \$0        | \$0        | \$0        |
| <b>01</b>                            | LANDS AND DAMAGES                             | \$0                                 | \$0        | 0.0%     | \$0         | 0.0%  | \$0        | \$0        | \$0         | 0                                 | 0.0%         | \$0        | \$0        | \$0        |
| <b>30</b>                            | PLANNING, ENGINEERING & DESIGN                |                                     |            |          |             |   |            |            |             |                                   |              |            |            |            |
| 2.5%                                 | Project Management                            | \$0                                 | \$0        | 82.0%    | \$0         | 0.0%  | \$0        | \$0        | \$0         | 0                                 | 0.0%         | \$0        | \$0        | \$0        |
| 1.0%                                 | Planning & Environmental Compliance           | \$0                                 | \$0        | 82.0%    | \$0         | 0.0%  | \$0        | \$0        | \$0         | 0                                 | 0.0%         | \$0        | \$0        | \$0        |
| 10.0%                                | Engineering & Design                          | \$0                                 | \$0        | 82.0%    | \$0         | 0.0%  | \$0        | \$0        | \$0         | 0                                 | 0.0%         | \$0        | \$0        | \$0        |
| 1.0%                                 | Reviews, ATRs, IEPRs, VE                      | \$0                                 | \$0        | 82.0%    | \$0         | 0.0%  | \$0        | \$0        | \$0         | 0                                 | 0.0%         | \$0        | \$0        | \$0        |
| 1.0%                                 | Life Cycle Updates (cost, schedule, risks)    | \$0                                 | \$0        | 82.0%    | \$0         | 0.0%  | \$0        | \$0        | \$0         | 0                                 | 0.0%         | \$0        | \$0        | \$0        |
| 1.0%                                 | Contracting & Reprographics                   | \$0                                 | \$0        | 82.0%    | \$0         | 0.0%  | \$0        | \$0        | \$0         | 0                                 | 0.0%         | \$0        | \$0        | \$0        |
| 3.0%                                 | Engineering During Construction               | \$0                                 | \$0        | 82.0%    | \$0         | 0.0%  | \$0        | \$0        | \$0         | 0                                 | 0.0%         | \$0        | \$0        | \$0        |
| 2.0%                                 | Planning During Construction                  | \$0                                 | \$0        | 82.0%    | \$0         | 0.0%  | \$0        | \$0        | \$0         | 0                                 | 0.0%         | \$0        | \$0        | \$0        |
| 3.0%                                 | Adaptive Management & Monitoring              | \$0                                 | \$0        | 82.0%    | \$0         | 0.0%  | \$0        | \$0        | \$0         | 0                                 | 0.0%         | \$0        | \$0        | \$0        |
| 1.0%                                 | Project Operations                            | \$0                                 | \$0        | 82.0%    | \$0         | 0.0%  | \$0        | \$0        | \$0         | 0                                 | 0.0%         | \$0        | \$0        | \$0        |
|                                      | Real Estate (All Federal Labor)               | \$0                                 | \$0        | 0.0%     | \$0         | 0.0%  | \$0        | \$0        | \$0         | 0                                 | 0.0%         | \$0        | \$0        | \$0        |
| <b>31</b>                            | CONSTRUCTION MANAGEMENT                       |                                     |            |          |             |   |            |            |             |                                   |              |            |            |            |
| 8.0%                                 | Construction Management                       | \$0                                 | \$0        | 82.0%    | \$0         | 0.0%  | \$0        | \$0        | \$0         | 0                                 | 0.0%         | \$0        | \$0        | \$0        |
| 2.0%                                 | Project Operation:                            | \$0                                 | \$0        | 82.0%    | \$0         | 0.0%  | \$0        | \$0        | \$0         | 0                                 | 0.0%         | \$0        | \$0        | \$0        |
| 2.5%                                 | Project Management                            | \$0                                 | \$0        | 82.0%    | \$0         | 0.0%  | \$0        | \$0        | \$0         | 0                                 | 0.0%         | \$0        | \$0        | \$0        |
| <b>CONTRACT COST TOTALS:</b>         |   | \$0                                 | \$0        |          | \$0         |   | \$0        | \$0        | \$0         |                                   |              | \$0        | \$0        | \$0        |

\*\*\*\* TOTAL PROJECT COST SUMMARY \*\*\*\*

\*\*\*\* CONTRACT COST SUMMARY \*\*\*\*

PROJECT: Tiered Analysis From the Lower Snake River  
 LOCATION: Asotin, Whitman, and Garfield Counties  
 This Estimate reflects the scope and schedule in report; Tiered Environmental Impact Statement

DISTRICT: NWW District  
 POC: CHIEF, COST ENGINEERING, Derek Nelson

PREPARED: 1/23/2026

| Civil Works Work Breakdown Structure |   | ESTIMATED COST     |                    |                  |                     | PROJECT FIRST COST<br>(Constant Dollar Basis) |                    |                    |                     | TOTAL PROJECT COST (FULLY FUNDED) |                      |                    |                    |                    |
|--------------------------------------|---|--------------------|--------------------|------------------|---------------------|---|--------------------|--------------------|---------------------|-----------------------------------|----------------------|--------------------|--------------------|--------------------|
| WBS<br>NUMBER<br>A                   | Civil Works<br>Feature & Sub-Feature Description<br>B | COST<br>(\$K)<br>C | CNTG<br>(\$K)<br>D | CNTG<br>(%)<br>E | TOTAL<br>(\$K)<br>F | ESC<br>(%)<br>G                               | COST<br>(\$K)<br>H | CNTG<br>(\$K)<br>I | TOTAL<br>(\$K)<br>J | Mid-Point<br>Date<br>P            | INFLATED<br>(%)<br>L | COST<br>(\$K)<br>M | CNTG<br>(\$K)<br>N | FULL<br>(\$K)<br>O |
|                                      |   |                    |                    |                  |                     |   |                    |                    |                     |                                   |                      |                    |                    |                    |
| <b>09</b>                            | <b>Initial Dredging</b><br>CHANNELS & CANALS          | \$9,604            | \$7,875            | 82.0%            | \$17,479            | 0.0%  | \$9,604            | \$7,875            | \$17,479            | 2030Q3                            | 12.3%                | \$10,789           | \$8,847            | \$19,636           |
| <b>CONSTRUCTION ESTIMATE TOTALS:</b> |   | \$9,604            | \$7,875            | 82.0%            | \$17,479            |   | \$9,604            | \$7,875            | \$17,479            |                                   |                      | \$10,789           | \$8,847            | \$19,636           |
| <b>01</b>                            | LANDS AND DAMAGES                                     | \$0                | \$0                | 0.0%             | \$0                 | 0.0%  | \$0                | \$0                | \$0                 | 0                                 | 0.0%                 | \$0                | \$0                | \$0                |
| <b>30</b>                            | PLANNING, ENGINEERING & DESIGN                        |                    |                    |                  |                     |   |                    |                    |                     |                                   |                      |                    |                    |                    |
| 2.5%                                 | Project Management                                    | \$240              | \$197              | 82.0%            | \$437               | 0.0%  | \$240              | \$197              | \$437               | 2028Q4                            | 8.8%                 | \$261              | \$214              | \$476              |
| 1.0%                                 | Planning & Environmental Compliance                   | \$96               | \$79               | 82.0%            | \$175               | 0.0%  | \$96               | \$79               | \$175               | 2028Q4                            | 8.8%                 | \$105              | \$86               | \$190              |
| 10.0%                                | Engineering & Design                                  | \$960              | \$788              | 82.0%            | \$1,748             | 0.0%  | \$960              | \$788              | \$1,748             | 2028Q4                            | 8.8%                 | \$1,045            | \$857              | \$1,902            |
| 1.0%                                 | Reviews, ATRs, IEPs, VE                               | \$96               | \$79               | 82.0%            | \$175               | 0.0%  | \$96               | \$79               | \$175               | 2028Q4                            | 8.8%                 | \$105              | \$86               | \$190              |
| 1.0%                                 | Life Cycle Updates (cost, schedule, risks)            | \$96               | \$79               | 82.0%            | \$175               | 0.0%  | \$96               | \$79               | \$175               | 2028Q4                            | 8.8%                 | \$105              | \$86               | \$190              |
| 1.0%                                 | Contracting & Reprographics                           | \$96               | \$79               | 82.0%            | \$175               | 0.0%  | \$96               | \$79               | \$175               | 2028Q4                            | 8.8%                 | \$105              | \$86               | \$190              |
| 3.0%                                 | Engineering During Construction                       | \$288              | \$236              | 82.0%            | \$524               | 0.0%  | \$288              | \$236              | \$524               | 2030Q3                            | 15.0%                | \$331              | \$272              | \$603              |
| 2.0%                                 | Planning During Construction                          | \$192              | \$158              | 82.0%            | \$350               | 0.0%  | \$192              | \$158              | \$350               | 2030Q3                            | 15.0%                | \$221              | \$181              | \$402              |
| 3.0%                                 | Adaptive Management & Monitoring                      | \$288              | \$236              | 82.0%            | \$524               | 0.0%  | \$288              | \$236              | \$524               | 2032Q3                            | 22.5%                | \$353              | \$289              | \$642              |
| 1.0%                                 | Project Operations                                    | \$96               | \$79               | 82.0%            | \$175               | 0.0%  | \$96               | \$79               | \$175               | 2028Q4                            | 8.8%                 | \$105              | \$86               | \$190              |
|                                      | Real Estate (All Federal Labor)                       | \$0                | \$0                | 0.0%             | \$0                 | 0.0%  | \$0                | \$0                | \$0                 | 0                                 | 0.0%                 | \$0                | \$0                | \$0                |
| <b>31</b>                            | CONSTRUCTION MANAGEMENT                               |                    |                    |                  |                     |   |                    |                    |                     |                                   |                      |                    |                    |                    |
| 8.0%                                 | Construction Management                               | \$768              | \$630              | 82.0%            | \$1,398             | 0.0%  | \$768              | \$630              | \$1,398             | 2030Q3                            | 15.0%                | \$883              | \$724              | \$1,608            |
| 2.0%                                 | Project Operation:                                    | \$192              | \$158              | 82.0%            | \$350               | 0.0%  | \$192              | \$158              | \$350               | 2030Q3                            | 15.0%                | \$221              | \$181              | \$402              |
| 2.5%                                 | Project Management                                    | \$240              | \$197              | 82.0%            | \$437               | 0.0%  | \$240              | \$197              | \$437               | 2030Q3                            | 15.0%                | \$276              | \$226              | \$502              |
| <b>CONTRACT COST TOTALS:</b>         |   | \$13,254           | \$10,868           |                  | \$24,121            |   | \$13,254           | \$10,868           | \$24,121            |                                   |                      | \$14,903           | \$12,221           | \$27,124           |

\*\*\*\* TOTAL PROJECT COST SUMMARY \*\*\*\*

\*\*\*\* CONTRACT COST SUMMARY \*\*\*\*

PROJECT: Tiered Analysis From the Lower Snake River  
 LOCATION: Asotin, Whitman, and Garfield Counties  
 This Estimate reflects the scope and schedule in report; Tiered Environmental Impact Statement

DISTRICT: NWW District  
 POC: CHIEF, COST ENGINEERING, Derek Nelson

PREPARED: 1/23/2026

| Civil Works Work Breakdown Structure |   | ESTIMATED COST                      |            |  |             | PROJECT FIRST COST<br>(Constant Dollar Basis) |            |   |             | TOTAL PROJECT COST (FULLY FUNDED) |              |            |            |            |
|--------------------------------------|---|-------------------------------------|------------|--|-------------|---|------------|---|-------------|-----------------------------------|--------------|------------|------------|------------|
|                                      |   | Estimate Prepared: <b>23-Jan-26</b> |            | Effective Price Level: <b>1-Oct-25</b> |             | Program Year (Budget EC): <b>2026</b>         |            | Effective Price Level Date: <b>1 OCT 25</b> |             |                                   |              |            |            |            |
| WBS NUMBER                           | Civil Works Feature & Sub-Feature Description | COST (\$K)                          | CNTG (\$K) | CNTG (%)                               | TOTAL (\$K) | ESC (%)                                       | COST (\$K) | CNTG (\$K)                                  | TOTAL (\$K) | Mid-Point Date                    | INFLATED (%) | COST (\$K) | CNTG (\$K) | FULL (\$K) |
| A                                    | B   | C                                   | D          | E                                      | F           | G   | H          | I   | J           | P                                 | L            | M          | N          | O          |
| <b>09</b>                            | <b>O&amp;M Dredging</b><br>CHANNELS & CANALS  | \$49,816                            | \$40,849   | 82.0%                                  | \$90,665    | 0.0%  | \$49,816   | \$40,849                                    | \$90,665    | 2055Q1                            | 110.6%       | \$104,934  | \$86,045   | \$190,979  |
| <b>CONSTRUCTION ESTIMATE TOTALS:</b> |   | \$49,816                            | \$40,849   | 82.0%                                  | \$90,665    |   | \$49,816   | \$40,849                                    | \$90,665    |                                   |              | \$104,934  | \$86,045   | \$190,979  |
| <b>01</b>                            | LANDS AND DAMAGES                             | \$0                                 | \$0        | 0.0%                                   | \$0         | 0.0%  | \$0        | \$0   | \$0         | 0                                 | 0.0%         | \$0        | \$0        | \$0        |
| <b>30</b>                            | PLANNING, ENGINEERING & DESIGN                |                                     |            |  |             |   |            |   |             |                                   |              |            |            |            |
| 2.5%                                 | Project Management                            | \$1,245                             | \$1,021    | 82.0%                                  | \$2,267     | 0.0%  | \$1,245    | \$1,021                                     | \$2,267     | 2054Q1                            | 140.8%       | \$2,999    | \$2,459    | \$5,458    |
| 1.0%                                 | Planning & Environmental Compliance           | \$498                               | \$408      | 82.0%                                  | \$907       | 0.0%  | \$498      | \$408                                       | \$907       | 2054Q1                            | 140.8%       | \$1,200    | \$984      | \$2,183    |
| 10.0%                                | Engineering & Design                          | \$4,982                             | \$4,085    | 82.0%                                  | \$9,067     | 0.0%  | \$4,982    | \$4,085                                     | \$9,067     | 2054Q1                            | 140.8%       | \$11,996   | \$9,837    | \$21,833   |
| 1.0%                                 | Reviews, ATRs, IEPRs, VE                      | \$498                               | \$408      | 82.0%                                  | \$907       | 0.0%  | \$498      | \$408                                       | \$907       | 2054Q1                            | 140.8%       | \$1,200    | \$984      | \$2,183    |
| 1.0%                                 | Life Cycle Updates (cost, schedule, risks)    | \$498                               | \$408      | 82.0%                                  | \$907       | 0.0%  | \$498      | \$408                                       | \$907       | 2054Q1                            | 140.8%       | \$1,200    | \$984      | \$2,183    |
| 1.0%                                 | Contracting & Reprographics                   | \$498                               | \$408      | 82.0%                                  | \$907       | 0.0%  | \$498      | \$408                                       | \$907       | 2054Q1                            | 140.8%       | \$1,200    | \$984      | \$2,183    |
| 3.0%                                 | Engineering During Construction               | \$1,494                             | \$1,225    | 82.0%                                  | \$2,720     | 0.0%  | \$1,494    | \$1,225                                     | \$2,720     | 2055Q1                            | 148.5%       | \$3,714    | \$3,045    | \$6,759    |
| 2.0%                                 | Planning During Construction                  | \$996                               | \$817      | 82.0%                                  | \$1,813     | 0.0%  | \$996      | \$817                                       | \$1,813     | 2055Q1                            | 148.5%       | \$2,476    | \$2,030    | \$4,506    |
| 3.0%                                 | Adaptive Management & Monitoring              | \$1,494                             | \$1,225    | 82.0%                                  | \$2,720     | 0.0%  | \$1,494    | \$1,225                                     | \$2,720     | 2056Q1                            | 156.5%       | \$3,833    | \$3,143    | \$6,976    |
| 1.0%                                 | Project Operations                            | \$498                               | \$408      | 82.0%                                  | \$907       | 0.0%  | \$498      | \$408                                       | \$907       | 2054Q1                            | 140.8%       | \$1,200    | \$984      | \$2,183    |
|                                      | Real Estate (All Federal Labor)               | \$0                                 | \$0        | 0.0%                                   | \$0         | 0.0%  | \$0        | \$0   | \$0         | 0                                 | 0.0%         | \$0        | \$0        | \$0        |
| <b>31</b>                            | CONSTRUCTION MANAGEMENT                       |                                     |            |  |             |   |            |   |             |                                   |              |            |            |            |
| 8.0%                                 | Construction Management                       | \$3,985                             | \$3,268    | 82.0%                                  | \$7,253     | 0.0%  | \$3,985    | \$3,268                                     | \$7,253     | 2055Q1                            | 148.5%       | \$9,904    | \$8,121    | \$18,025   |
| 2.0%                                 | Project Operation:                            | \$996                               | \$817      | 82.0%                                  | \$1,813     | 0.0%  | \$996      | \$817                                       | \$1,813     | 2055Q1                            | 148.5%       | \$2,476    | \$2,030    | \$4,506    |
| 2.5%                                 | Project Management                            | \$1,245                             | \$1,021    | 82.0%                                  | \$2,267     | 0.0%  | \$1,245    | \$1,021                                     | \$2,267     | 2055Q1                            | 148.5%       | \$3,095    | \$2,538    | \$5,633    |
| <b>CONTRACT COST TOTALS:</b>         |   | \$68,746                            | \$56,372   |  | \$125,118   |   | \$68,746   | \$56,372                                    | \$125,118   |                                   |              | \$151,424  | \$124,167  | \$275,591  |

\*\*\*\* TOTAL PROJECT COST SUMMARY \*\*\*\*

PROJECT: Tiered Analysis From the Lower Snake River  
PROJECT NO: P2 xxxxxx  
LOCATION: Asotin, Whitman, and Garfield Counties

DISTRICT: NWW District  
POC: CHIEF, COST ENGINEERING, Derek Nelson

PREPARED: 1/23/2026

This Estimate reflects the scope and schedule in report; Tiered Environmental Impact Statement

| Civil Works Work Breakdown Structure |   | ESTIMATED COST     |                    |                  |                     | PROJECT FIRST COST<br>(Constant Dollar Basis)                          |                    |                    |                     |                                  | TOTAL PROJECT COST<br>(FULLY FUNDED) |                      |                    |                    |                    |
|--------------------------------------|---|--------------------|--------------------|------------------|---------------------|--|--------------------|--------------------|---------------------|----------------------------------|--------------------------------------|----------------------|--------------------|--------------------|--------------------|
| WBS<br>NUMBER<br>A                   | Civil Works<br>Feature & Sub-Feature Description<br>B | COST<br>(\$K)<br>C | CNTG<br>(\$K)<br>D | CNTG<br>(%)<br>E | TOTAL<br>(\$K)<br>F | Program Year (Budget EC): 2026<br>Effective Price Level Date: 1 OCT 25 |                    |                    |                     | Spent Thru:<br>1-Oct-25<br>(\$K) | TOTAL FIRST<br>COST<br>(\$K)<br>K    | INFLATED<br>(%)<br>L | COST<br>(\$K)<br>M | CNTG<br>(\$K)<br>N | FULL<br>(\$K)<br>O |
|                                      |   |                    |                    |                  |                     | ESC<br>(%)<br>G  | COST<br>(\$K)<br>H | CNTG<br>(\$K)<br>I | TOTAL<br>(\$K)<br>J |                                  |                                      |                      |                    |                    |                    |
| 09                                   | CHANNELS & CANALS                                     | \$61,323           | \$84,013           | 137.0%           | \$145,336           | 0.0%   | \$61,323           | \$84,013           | \$145,336           | \$0                              | \$145,336                            | 70.9%                | \$104,775          | \$143,542          | \$248,317          |
|                                      | <b>CONSTRUCTION ESTIMATE TOTALS:</b>                  | \$61,323           | \$84,013           |                  | \$145,336           | 0.0%   | \$61,323           | \$84,013           | \$145,336           | \$0                              | \$145,336                            | 70.9%                | \$104,775          | \$143,542          | \$248,317          |
| 01                                   | LANDS AND DAMAGES                                     | \$0                | \$0                | -                | \$0                 | -  | \$0                | \$0                | \$0                 | \$0                              | \$0                                  |                      | \$0                | \$0                | \$0                |
| 30                                   | PLANNING, ENGINEERING & DESIGN                        | \$15,637           | \$21,423           | 137.0%           | \$37,061            | 0.0%   | \$15,637           | \$21,423           | \$37,061            | \$0                              | \$37,061                             | 90.5%                | \$29,793           | \$40,816           | \$70,609           |
| 31                                   | CONSTRUCTION MANAGEMENT                               | \$7,665            | \$10,502           | 137.0%           | \$18,167            | 0.0%   | \$7,665            | \$10,502           | \$18,167            | \$0                              | \$18,167                             | 94.5%                | \$14,907           | \$20,422           | \$35,329           |
| <b>PROJECT COST TOTALS:</b>          |   | \$84,626           | \$115,937          | 137.0%           | \$200,563           |  | \$84,626           | \$115,937          | \$200,563           | \$0                              | \$200,563                            | 76.6%                | \$149,474          | \$204,780          | \$354,254          |

CHIEF, COST ENGINEERING, Derek Nelson

ESTIMATED TOTAL PROJECT COST: **\$354,254**

PROJECT MANAGER, Kathryn Wenger

CHIEF, REAL ESTATE, Allison Needham

CHIEF, PLANNING, Cindy Boen

Alt 6: Combination of Alternatives 2, 4, and 5

CHIEF, ENGINEERING, Dwayne Weston

CHIEF, OPERATIONS, Paul Ocker

CHIEF, CONSTRUCTION, Duane West

CHIEF, CONTRACTING, Hillary Morgan

CHIEF, PM-PB, Julie Balten

CHIEF, DPM, Julie Balten

\*\*\*\* TOTAL PROJECT COST SUMMARY \*\*\*\*

\*\*\*\* CONTRACT COST SUMMARY \*\*\*\*

PROJECT: Tiered Analysis From the Lower Snake River  
 LOCATION: Asotin, Whitman, and Garfield Counties  
 This Estimate reflects the scope and schedule in report; Tiered Environmental Impact Statement

DISTRICT: NWW District  
 POC: CHIEF, COST ENGINEERING, Derek Nelson

PREPARED: 1/23/2026

| Civil Works Work Breakdown Structure |   | ESTIMATED COST                      |            |  |             | PROJECT FIRST COST<br>(Constant Dollar Basis) |            |   |             | TOTAL PROJECT COST (FULLY FUNDED) |              |            |            |            |
|--------------------------------------|---|-------------------------------------|------------|--|-------------|---|------------|---|-------------|-----------------------------------|--------------|------------|------------|------------|
|                                      |   | Estimate Prepared: <b>23-Jan-26</b> |            | Effective Price Level: <b>1-Oct-25</b> |             | Program Year (Budget EC): <b>2026</b>         |            | Effective Price Level Date: <b>1 OCT 25</b> |             |                                   |              |            |            |            |
|                                      |   | RISK BASED                          |            |  |             |   |            |   |             |                                   |              |            |            |            |
| WBS NUMBER                           | Civil Works Feature & Sub-Feature Description | COST (\$K)                          | CNTG (\$K) | CNTG (%)                               | TOTAL (\$K) | ESC (%)                                       | COST (\$K) | CNTG (\$K)                                  | TOTAL (\$K) | Mid-Point Date                    | INFLATED (%) | COST (\$K) | CNTG (\$K) | FULL (\$K) |
| A                                    | B   | C                                   | D          | E                                      | F           | G   | H          | I   | J           | P                                 | L            | M          | N          | O          |
| <b>09</b>                            | <b>Structures</b><br>CHANNELS & CANALS        | \$14,708                            | \$20,150   | 137.0%                                 | \$34,858    | 0.0%  | \$14,708   | \$20,150                                    | \$34,858    | 2030Q3                            | 12.3%        | \$16,523   | \$22,636   | \$39,159   |
| <b>CONSTRUCTION ESTIMATE TOTALS:</b> |   | \$14,708                            | \$20,150   | 137.0%                                 | \$34,858    |   | \$14,708   | \$20,150                                    | \$34,858    |                                   |              | \$16,523   | \$22,636   | \$39,159   |
| <b>01</b>                            | LANDS AND DAMAGES                             | \$0                                 | \$0        | 0.0%                                   | \$0         | 0.0%  | \$0        | \$0   | \$0         | 0                                 | 0.0%         | \$0        | \$0        | \$0        |
| <b>30</b>                            | PLANNING, ENGINEERING & DESIGN                |                                     |            |  |             |   |            |   |             |                                   |              |            |            |            |
| 2.5%                                 | Project Management                            | \$368                               | \$504      | 137.0%                                 | \$871       | 0.0%  | \$368      | \$504                                       | \$871       | 2028Q4                            | 8.8%         | \$400      | \$548      | \$948      |
| 1.0%                                 | Planning & Environmental Compliance           | \$147                               | \$201      | 137.0%                                 | \$349       | 0.0%  | \$147      | \$201                                       | \$349       | 2028Q4                            | 8.8%         | \$160      | \$219      | \$379      |
| 10.0%                                | Engineering & Design                          | \$1,471                             | \$2,015    | 137.0%                                 | \$3,486     | 0.0%  | \$1,471    | \$2,015                                     | \$3,486     | 2028Q4                            | 8.8%         | \$1,600    | \$2,193    | \$3,793    |
| 1.0%                                 | Reviews, ATRs, IEPRs, VE                      | \$147                               | \$201      | 137.0%                                 | \$349       | 0.0%  | \$147      | \$201                                       | \$349       | 2028Q4                            | 8.8%         | \$160      | \$219      | \$379      |
| 1.0%                                 | Life Cycle Updates (cost, schedule, risks)    | \$147                               | \$201      | 137.0%                                 | \$349       | 0.0%  | \$147      | \$201                                       | \$349       | 2028Q4                            | 8.8%         | \$160      | \$219      | \$379      |
| 1.0%                                 | Contracting & Reprographics                   | \$147                               | \$201      | 137.0%                                 | \$349       | 0.0%  | \$147      | \$201                                       | \$349       | 2028Q4                            | 8.8%         | \$160      | \$219      | \$379      |
| 3.0%                                 | Engineering During Construction               | \$441                               | \$604      | 137.0%                                 | \$1,046     | 0.0%  | \$441      | \$604                                       | \$1,046     | 2030Q3                            | 15.0%        | \$507      | \$695      | \$1,202    |
| 2.0%                                 | Planning During Construction                  | \$294                               | \$403      | 137.0%                                 | \$697       | 0.0%  | \$294      | \$403                                       | \$697       | 2030Q3                            | 15.0%        | \$338      | \$463      | \$802      |
| 3.0%                                 | Adaptive Management & Monitoring              | \$441                               | \$604      | 137.0%                                 | \$1,046     | 0.0%  | \$441      | \$604                                       | \$1,046     | 2032Q3                            | 22.5%        | \$540      | \$740      | \$1,281    |
| 1.0%                                 | Project Operations                            | \$147                               | \$201      | 137.0%                                 | \$349       | 0.0%  | \$147      | \$201                                       | \$349       | 2028Q4                            | 8.8%         | \$160      | \$219      | \$379      |
|                                      | Real Estate (All Federal Labor)               | \$0                                 | \$0        | 0.0%                                   | \$0         | 0.0%  | \$0        | \$0   | \$0         | 0                                 | 0.0%         | \$0        | \$0        | \$0        |
| <b>31</b>                            | CONSTRUCTION MANAGEMENT                       |                                     |            |  |             |   |            |   |             |                                   |              |            |            |            |
| 8.0%                                 | Construction Management                       | \$1,177                             | \$1,612    | 137.0%                                 | \$2,789     | 0.0%  | \$1,177    | \$1,612                                     | \$2,789     | 2030Q3                            | 15.0%        | \$1,353    | \$1,853    | \$3,206    |
| 2.0%                                 | Project Operation:                            | \$294                               | \$403      | 137.0%                                 | \$697       | 0.0%  | \$294      | \$403                                       | \$697       | 2030Q3                            | 15.0%        | \$338      | \$463      | \$802      |
| 2.5%                                 | Project Management                            | \$368                               | \$504      | 137.0%                                 | \$871       | 0.0%  | \$368      | \$504                                       | \$871       | 2030Q3                            | 15.0%        | \$423      | \$579      | \$1,002    |
| <b>CONTRACT COST TOTALS:</b>         |   | \$20,297                            | \$27,807   |  | \$48,104    |   | \$20,297   | \$27,807                                    | \$48,104    |                                   |              | \$22,823   | \$31,268   | \$54,091   |

\*\*\*\* TOTAL PROJECT COST SUMMARY \*\*\*\*

\*\*\*\* CONTRACT COST SUMMARY \*\*\*\*

PROJECT: Tiered Analysis From the Lower Snake River  
 LOCATION: Asotin, Whitman, and Garfield Counties  
 This Estimate reflects the scope and schedule in report; Tiered Environmental Impact Statement

DISTRICT: NWW District  
 POC: CHIEF, COST ENGINEERING, Derek Nelson

PREPARED: 1/23/2026

| Civil Works Work Breakdown Structure |   | ESTIMATED COST     |                    |                  |                     | PROJECT FIRST COST<br>(Constant Dollar Basis) |                    |                    |                     | TOTAL PROJECT COST (FULLY FUNDED) |                      |                    |                    |                    |
|--------------------------------------|---|--------------------|--------------------|------------------|---------------------|---|--------------------|--------------------|---------------------|-----------------------------------|----------------------|--------------------|--------------------|--------------------|
| WBS<br>NUMBER<br>A                   | Civil Works<br>Feature & Sub-Feature Description<br>B | COST<br>(\$K)<br>C | CNTG<br>(\$K)<br>D | CNTG<br>(%)<br>E | TOTAL<br>(\$K)<br>F | ESC<br>(%)<br>G                               | COST<br>(\$K)<br>H | CNTG<br>(\$K)<br>I | TOTAL<br>(\$K)<br>J | Mid-Point<br>Date<br>P            | INFLATED<br>(%)<br>L | COST<br>(\$K)<br>M | CNTG<br>(\$K)<br>N | FULL<br>(\$K)<br>O |
|                                      |   |                    |                    |                  |                     |   |                    |                    |                     |                                   |                      |                    |                    |                    |
| <b>09</b>                            | <b>Initial Dredging</b><br>CHANNELS & CANALS          | \$10,110           | \$13,851           | 137.0%           | \$23,961            | 0.0%  | \$10,110           | \$13,851           | \$23,961            | 2030Q3                            | 12.3%                | \$11,357           | \$15,560           | \$26,917           |
| <b>CONSTRUCTION ESTIMATE TOTALS:</b> |   | \$10,110           | \$13,851           | 137.0%           | \$23,961            |   | \$10,110           | \$13,851           | \$23,961            |                                   |                      | \$11,357           | \$15,560           | \$26,917           |
| <b>01</b>                            | LANDS AND DAMAGES                                     | \$0                | \$0                | 0.0%             | \$0                 | 0.0%  | \$0                | \$0                | \$0                 | 0                                 | 0.0%                 | \$0                | \$0                | \$0                |
| <b>30</b>                            | PLANNING, ENGINEERING & DESIGN                        |                    |                    |                  |                     |   |                    |                    |                     |                                   |                      |                    |                    |                    |
| 2.5%                                 | Project Management                                    | \$253              | \$346              | 137.0%           | \$599               | 0.0%  | \$253              | \$346              | \$599               | 2028Q4                            | 8.8%                 | \$275              | \$377              | \$652              |
| 1.0%                                 | Planning & Environmental Compliance                   | \$101              | \$139              | 137.0%           | \$240               | 0.0%  | \$101              | \$139              | \$240               | 2028Q4                            | 8.8%                 | \$110              | \$151              | \$261              |
| 10.0%                                | Engineering & Design                                  | \$1,011            | \$1,385            | 137.0%           | \$2,396             | 0.0%  | \$1,011            | \$1,385            | \$2,396             | 2028Q4                            | 8.8%                 | \$1,100            | \$1,507            | \$2,607            |
| 1.0%                                 | Reviews, ATRs, IEPs, VE                               | \$101              | \$139              | 137.0%           | \$240               | 0.0%  | \$101              | \$139              | \$240               | 2028Q4                            | 8.8%                 | \$110              | \$151              | \$261              |
| 1.0%                                 | Life Cycle Updates (cost, schedule, risks)            | \$101              | \$139              | 137.0%           | \$240               | 0.0%  | \$101              | \$139              | \$240               | 2028Q4                            | 8.8%                 | \$110              | \$151              | \$261              |
| 1.0%                                 | Contracting & Reprographics                           | \$101              | \$139              | 137.0%           | \$240               | 0.0%  | \$101              | \$139              | \$240               | 2028Q4                            | 8.8%                 | \$110              | \$151              | \$261              |
| 3.0%                                 | Engineering During Construction                       | \$303              | \$416              | 137.0%           | \$719               | 0.0%  | \$303              | \$416              | \$719               | 2030Q3                            | 15.0%                | \$349              | \$478              | \$826              |
| 2.0%                                 | Planning During Construction                          | \$202              | \$277              | 137.0%           | \$479               | 0.0%  | \$202              | \$277              | \$479               | 2030Q3                            | 15.0%                | \$232              | \$319              | \$551              |
| 3.0%                                 | Adaptive Management & Monitoring                      | \$303              | \$416              | 137.0%           | \$719               | 0.0%  | \$303              | \$416              | \$719               | 2032Q3                            | 22.5%                | \$371              | \$509              | \$880              |
| 1.0%                                 | Project Operations                                    | \$101              | \$139              | 137.0%           | \$240               | 0.0%  | \$101              | \$139              | \$240               | 2028Q4                            | 8.8%                 | \$110              | \$151              | \$261              |
|                                      | Real Estate (All Federal Labor)                       | \$0                | \$0                | 0.0%             | \$0                 | 0.0%  | \$0                | \$0                | \$0                 | 0                                 | 0.0%                 | \$0                | \$0                | \$0                |
| <b>31</b>                            | CONSTRUCTION MANAGEMENT                               |                    |                    |                  |                     |   |                    |                    |                     |                                   |                      |                    |                    |                    |
| 8.0%                                 | Construction Management                               | \$809              | \$1,108            | 137.0%           | \$1,917             | 0.0%  | \$809              | \$1,108            | \$1,917             | 2030Q3                            | 15.0%                | \$930              | \$1,274            | \$2,204            |
| 2.0%                                 | Project Operation:                                    | \$202              | \$277              | 137.0%           | \$479               | 0.0%  | \$202              | \$277              | \$479               | 2030Q3                            | 15.0%                | \$232              | \$319              | \$551              |
| 2.5%                                 | Project Management                                    | \$253              | \$346              | 137.0%           | \$599               | 0.0%  | \$253              | \$346              | \$599               | 2030Q3                            | 15.0%                | \$291              | \$398              | \$689              |
| <b>CONTRACT COST TOTALS:</b>         |   | \$13,952           | \$19,114           |                  | \$33,066            |   | \$13,952           | \$19,114           | \$33,066            |                                   |                      | \$15,688           | \$21,493           | \$37,181           |

\*\*\*\* TOTAL PROJECT COST SUMMARY \*\*\*\*

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PROJECT: Tiered Analysis From the Lower Snake River  
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DISTRICT: NWW District  
 POC: CHIEF, COST ENGINEERING, Derek Nelson

PREPARED: 1/23/2026

| Civil Works Work Breakdown Structure |   | ESTIMATED COST                      |            |  |             | PROJECT FIRST COST<br>(Constant Dollar Basis) |            |   |             | TOTAL PROJECT COST (FULLY FUNDED) |              |            |            |            |
|--------------------------------------|---|-------------------------------------|------------|--|-------------|---|------------|---|-------------|-----------------------------------|--------------|------------|------------|------------|
|                                      |   | Estimate Prepared: <b>23-Jan-26</b> |            | Effective Price Level: <b>1-Oct-25</b> |             | Program Year (Budget EC): <b>2026</b>         |            | Effective Price Level Date: <b>1 OCT 25</b> |             |                                   |              |            |            |            |
| WBS NUMBER                           | Civil Works Feature & Sub-Feature Description | COST (\$K)                          | CNTG (\$K) | CNTG (%)                               | TOTAL (\$K) | ESC (%)                                       | COST (\$K) | CNTG (\$K)                                  | TOTAL (\$K) | Mid-Point Date                    | INFLATED (%) | COST (\$K) | CNTG (\$K) | FULL (\$K) |
| A                                    | B   | C                                   | D          | E                                      | F           | G   | H          | I   | J           | P                                 | L            | M          | N          | O          |
| <b>09</b>                            | <b>O&amp;M Dredging CHANNELS &amp; CANALS</b> | \$36,505                            | \$50,012   | 137.0%                                 | \$86,517    | 0.0%  | \$36,505   | \$50,012                                    | \$86,517    | 2055Q1                            | 110.6%       | \$76,895   | \$105,346  | \$182,241  |
| <b>CONSTRUCTION ESTIMATE TOTALS:</b> |   | \$36,505                            | \$50,012   | 137.0%                                 | \$86,517    |   | \$36,505   | \$50,012                                    | \$86,517    |                                   |              | \$76,895   | \$105,346  | \$182,241  |
| <b>01</b>                            | <b>LANDS AND DAMAGES</b>                      | \$0                                 | \$0        | 0.0%                                   | \$0         | 0.0%  | \$0        | \$0   | \$0         | 0                                 | 0.0%         | \$0        | \$0        | \$0        |
| <b>30</b>                            | <b>PLANNING, ENGINEERING &amp; DESIGN</b>     |                                     |            |  |             |   |            |   |             |                                   |              |            |            |            |
| 2.5%                                 | Project Management                            | \$913                               | \$1,250    | 137.0%                                 | \$2,163     | 0.0%  | \$913      | \$1,250                                     | \$2,163     | 2054Q1                            | 140.8%       | \$2,198    | \$3,011    | \$5,208    |
| 1.0%                                 | Planning & Environmental Compliance           | \$365                               | \$500      | 137.0%                                 | \$865       | 0.0%  | \$365      | \$500                                       | \$865       | 2054Q1                            | 140.8%       | \$879      | \$1,204    | \$2,083    |
| 10.0%                                | Engineering & Design                          | \$3,651                             | \$5,001    | 137.0%                                 | \$8,652     | 0.0%  | \$3,651    | \$5,001                                     | \$8,652     | 2054Q1                            | 140.8%       | \$8,791    | \$12,043   | \$20,834   |
| 1.0%                                 | Reviews, ATRs, IEPRs, VE                      | \$365                               | \$500      | 137.0%                                 | \$865       | 0.0%  | \$365      | \$500                                       | \$865       | 2054Q1                            | 140.8%       | \$879      | \$1,204    | \$2,083    |
| 1.0%                                 | Life Cycle Updates (cost, schedule, risks)    | \$365                               | \$500      | 137.0%                                 | \$865       | 0.0%  | \$365      | \$500                                       | \$865       | 2054Q1                            | 140.8%       | \$879      | \$1,204    | \$2,083    |
| 1.0%                                 | Contracting & Reprographics                   | \$365                               | \$500      | 137.0%                                 | \$865       | 0.0%  | \$365      | \$500                                       | \$865       | 2054Q1                            | 140.8%       | \$879      | \$1,204    | \$2,083    |
| 3.0%                                 | Engineering During Construction               | \$1,095                             | \$1,500    | 137.0%                                 | \$2,596     | 0.0%  | \$1,095    | \$1,500                                     | \$2,596     | 2055Q1                            | 148.5%       | \$2,722    | \$3,729    | \$6,450    |
| 2.0%                                 | Planning During Construction                  | \$730                               | \$1,000    | 137.0%                                 | \$1,730     | 0.0%  | \$730      | \$1,000                                     | \$1,730     | 2055Q1                            | 148.5%       | \$1,814    | \$2,486    | \$4,300    |
| 3.0%                                 | Adaptive Management & Monitoring              | \$1,095                             | \$1,500    | 137.0%                                 | \$2,596     | 0.0%  | \$1,095    | \$1,500                                     | \$2,596     | 2056Q1                            | 156.5%       | \$2,809    | \$3,848    | \$6,656    |
| 1.0%                                 | Project Operations                            | \$365                               | \$500      | 137.0%                                 | \$865       | 0.0%  | \$365      | \$500                                       | \$865       | 2054Q1                            | 140.8%       | \$879      | \$1,204    | \$2,083    |
|                                      | Real Estate (All Federal Labor)               | \$0                                 | \$0        | 0.0%                                   | \$0         | 0.0%  | \$0        | \$0   | \$0         | 0                                 | 0.0%         | \$0        | \$0        | \$0        |
| <b>31</b>                            | <b>CONSTRUCTION MANAGEMENT</b>                |                                     |            |  |             |   |            |   |             |                                   |              |            |            |            |
| 8.0%                                 | Construction Management                       | \$2,920                             | \$4,001    | 137.0%                                 | \$6,921     | 0.0%  | \$2,920    | \$4,001                                     | \$6,921     | 2055Q1                            | 148.5%       | \$7,257    | \$9,943    | \$17,200   |
| 2.0%                                 | Project Operation:                            | \$730                               | \$1,000    | 137.0%                                 | \$1,730     | 0.0%  | \$730      | \$1,000                                     | \$1,730     | 2055Q1                            | 148.5%       | \$1,814    | \$2,486    | \$4,300    |
| 2.5%                                 | Project Management                            | \$913                               | \$1,250    | 137.0%                                 | \$2,163     | 0.0%  | \$913      | \$1,250                                     | \$2,163     | 2055Q1                            | 148.5%       | \$2,268    | \$3,107    | \$5,375    |
| <b>CONTRACT COST TOTALS:</b>         |   | \$50,377                            | \$69,016   |  | \$119,393   |   | \$50,377   | \$69,016                                    | \$119,393   |                                   |              | \$110,963  | \$152,019  | \$262,982  |