



# Request for Proposals: Lower Twisp River Large Wood Enhancement Project Design

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## Columbia River

Honor. Protect. Restore.

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The Yakama Nation Upper Columbia Habitat Restoration Project (UCHRP) is seeking proposals from qualified engineering firms to develop habitat restoration designs and construction level plan-sets for the Lower Twisp Large Wood Enhancement Project. The project location is between rivermile 3.4 and 2.2 on the Twisp River in the Methow Subbasin. The UCHRP works to restore and enhance habitat for ESA-listed salmon and steelhead in accordance with the Upper Columbia Spring Chinook Salmon and Steelhead Recovery Plan and

the associated Biological Strategy. The Yakama Nation completed the Lower Twisp Reach Assessment in 2010 which identified specific project areas based on environmental baseline conditions and recommended reach based restoration strategies.

The objective of this contract is to use data collected during concept development to identify discrete locations for installation of engineered log structures. The focus is to improve fish habitat in geomorphically appropriate locations throughout this reach. Concept development was completed in 2011. Additional topographic survey may be necessary to validate 2011 data and fill-in data gaps. Based upon the proposals received under this solicitation the Confederated Tribes and Bands of the Yakama Nation will award a design contract for Phases 3 and 4, as described in the appended Scope of Work.

## Scope of Work

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### Phase 3: Draft Construction Plan

#### Task 7 - Design level survey (if additional survey is needed)

As agreed to between the Yakama Nation project manager and the contractor, supplementary site survey may be completed to gather additional field data on existing conditions so that robust restoration designs can begin to be produced. Supplementary surveys may include further topographic survey, bathymetric surveys, groundwater testing, and/or geologic surveys, among other things.

#### Task 8 - Development of Permit level Construction Plan

The contractor will proceed with producing engineered designs of the preferred restoration concept(s) as directed by UCHRP staff. Design deliverables provided under this task will provide

suitable detail to allow for environmental permits to be acquired for the project (includes accurate depiction of areas being impacted and estimates of material quantities).

**Deliverables: Draft Complete Construction drawing set suitable for permitting.**

#### Task 9 - Stakeholder Meetings and Communications

If requested, the contractor will assist in presenting the Phase 3 Permitting Drawing Set to landowners and agency stakeholders for additional feedback and buy-in.

### **Phase 4: Final Construction Plan**

#### Task 10 - Development of Final Construction Plan

Based on further direction from UCHRP staff, the contractor will produce final stamped designs of the project (includes construction specs and engineer's stamp - should be usable for producing bid document).

**Deliverables: Produce Complete Construction drawing set suitable for bidding.**

#### Task 11 - Create and Provide a Design Report

Contractor will prepare a Design Report for each project that gets installed under this contract. The Design Report will summarize project goals, field data collection, and technical design of the project including site survey, hydrology, hydraulics, grading, anchoring, and quantities/totals. A draft report will be provided for review, comment, and feedback. Revisions will be made to finalize the report.

#### Task 12 - Stakeholder Meetings and Communications

If requested, the contractor will assist in presenting the Phase 4 Construction Drawing Set to landowners and agency stakeholders.

### **Anticipated Schedule**

The Yakama Nation is seeking to have this work initiated promptly upon issuance of a Notice to Proceed.

#### **Projected Timeline:**

Task 7: April – June 2015

Task 8: October 2015

Task 9: As requested by UCHRP Staff

Task 10: November 2015

Task 11: December 2015

Task 12: As requested by UCHRP Staff

### **Limitations**

The Yakama Nation reserves the right to accept or reject any and all of the proposals received as a result of this request, or to cancel in part or entirely this request if it is in the best interest of the Yakama

Nation to do so. This request does not commit the Yakama Nation to pay any costs incurred in the preparation of a proposal.

### **Baseline Qualifications**

To be considered competitive each firm's proposal must demonstrate the following:

- Field survey capabilities by in-house and local (Washington/Oregon based) design engineers
- Ability to effectively model hydraulics using HEC-RAS
- Ability to effectively model inundation using a program like Flow 2-D (or similar)
- Have on staff (not subcontracted) a Geologist, Hydrologist, and a Professional Engineer with at least 10 years experience designing instream restoration projects
- Completion of at least 15 successful Large Woody Debris installation projects in the last 5 years
- Experience with the creation of alcove habitat using groundwater collection galleries to create flow
- Experience designing and constructing constructed riffles or roughened channels

### **Bid Submittal Directions**

Each engineering firm seeking to be eligible for a contract award under this Request for Proposals must submit two hardcopies of their proposal in writing to:

#### **Yakama Nation Fisheries**

**Attn: Jackie Olney**

**PO Box 151**

**401 Fort Road (shipping service)**

**Toppenish, WA 98948**

**Proposals must be received by Close of Business, Thursday, March 12, 2015.**

Each proposal must include a detailed Statement of Qualifications pertaining to the listed Baseline Qualifications and cost estimates for completion of each Task as described in this Request for Proposals.

#### **Questions should be directed to:**

Jarred Johnson

UCHRP Habitat Biologist

509-996-5005

[johj@yakamafish-nsn.gov](mailto:johj@yakamafish-nsn.gov)



