



## Aerial Image of Project Area



## Scope of Work

### *Phase 1 - Site investigation*

#### Task 1 –Existing data review

The contractor will review existing data to be provided by Yakama Nation Fisheries that would aid future analysis and design. It is assumed this data may consist of fish habitat survey, stream flow data, historical air photos, geomorphic field survey, hydrology, and hydraulic analysis. This will also consist of previous concept reports and drawings illustrating proposed restoration actions at the project site.

### *Phase 2: Draft Construction Plan*

#### Task 2 - Design level survey

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 3 - 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.**

### Task 4 - Stakeholder Meetings and Communications

If requested, the contractor will assist in presenting the Phase 2 Construction Drawing Set to landowners and agency stakeholders for additional feedback and buy-in.

### *Phase 3: Final Construction Plan*

### Task 5 - 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).

### Task 6 - 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 7 - Stakeholder Meetings and Communications

If requested, the contractor will assist in presenting the Phase 3 Construction Drawing Set to landowners and agency stakeholders.

## **Baseline Qualifications**

To be considered competitive each firm's proposal will have to demonstrate the following:

- Field survey capabilities by in-house and regionally 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 3 successful side channel restoration projects in the Upper Columbia Basin in last 5 years

## **Bid 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 (if using a shipping service)  
Toppenish, WA 98948

Proposals must be received by Close of Business, Wednesday, March 11, 2015. Only hand deliveries and/or mail or parcel delivery service submittals will be accepted.

Each proposal must include a detailed Statement of Qualifications pertaining to the listed Baseline Qualifications as stated in this Request for Proposals. Please also include a detailed cost proposal based upon the Scope of Work and certify the cost proposal as being valid for at least 90 days.

## **Project related questions should be directed to:**

Hans Smith, UCHRP Habitat Biologist  
Phone: 509-996-5005  
E-mail: [smih@yakamafish-nsn.gov](mailto:smih@yakamafish-nsn.gov)

## **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.

The contractor shall furnish all supervision, labor, equipment and tools necessary to complete the work as outlined in the Scope of Work.