



## On-Call Small Restoration Project Design and Engineering Services

### Request for Proposals

April 28, 2016

## Columbia River

Honor. Protect. Restore.

OFFICE  
P.O. Box 151  
401 Fort Road  
Toppenish, WA 98948

PHONE  
(509) 865-5121

FAX  
(509) 865-6293

EMAIL  
smih@yakamafish-nsn.gov

WEB  
Yakamafish-nsn.gov

Yakama Nation Fisheries is seeking proposals from qualified engineering firms to award an indefinite demand / indefinite quantity small project design and engineering services contract in support salmon habitat restoration activities taking place in the Upper Columbia salmon recovery region (Methow, Entiat, and Wenatchee Basins). Based upon the proposals received under this solicitation the Confederated Tribes and Bands of the Yakama Nation will award an up to two year on-call contract to the best quality bidder for the Scope of Work listed below:

### Scope of Work

The Contractor will be available at an on call basis to provide any of the following habitat restoration design and/or engineering tasks:

#### Concept Development

##### Task 1 – Development of Conceptual Report and Drawings

The contractor will provide restoration/enhancement strategies and options to benefit adult and juvenile salmonid habitats at range of discharges and where possible low summer river stage. These strategies will be detailed with drawings and a technical report describing the proposed restoration strategy. The contractor will work closely with Yakama Nation UCHRP staff through conceptual development.

##### Task 2 - Stakeholder Meetings and Communications

Based on the conceptual report, the contractor will create a power point presentation that explains all findings, assumptions, conclusions and project strategy options. The contractor will present such findings to landowners and agency stakeholders. The presentation will focus on existing river processes, future trends, project benefits, relative project costs, project risks, future river processes as they relate to each project opportunity and how each potential project fits within existing and likely future conditions.

#### Draft Construction Plan

##### Task 3 - Design level survey (if additional survey is needed)

Supplementary site survey may be completed to gather additional field data on existing conditions so that robust restoration designs can be produced. Supplementary surveys may include further topographic survey, bathymetric surveys, groundwater testing, and/or geologic surveys, among other things.

##### Task 4 - Development of Permit level Construction Plan

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).

### **Task 5 - Stakeholder Meetings and Communications**

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

### **Final Construction Plan**

#### **Task 6 - Development of Final Construction Plan**

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 7 - Create and Provide a Design Report**

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 8 - Stakeholder Meetings and Communications**

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

### **Construction Management**

#### **Task 9– Assistance during Bidding**

This task includes assistance to Yakama Nation staff with preparation of the construction bid package and review of contractor bids. The task includes any necessary pre-bid meetings with contractors at the project site or elsewhere.

#### **Task 10 – Engineer's Oversight during Project Construction**

This task will complete construction oversight duties for all construction projects related to the restoration designs. Contractor will work closely with selected construction contractors and Yakama Fisheries managers to implement the projects. Inspection and direction of construction activities will occur throughout the project. Any changes or in field adjustments that are required will be under the supervision of Contractor with the approval of Yakama Nation Fisheries staff. This work includes any pre-construction staking and/or identification of survey control.

A daily observation report will be produced by the contractor for all days during construction oversight activities. The report template will be provided to the contractor by the Designated Representative.

### **Monitoring**

#### **Task 11– Produce a Monitoring Plan**

Contractor will develop a Monitoring Plan for each project that gets installed under this contract. The Monitoring Plan will document post-construction conditions and will outline future monitoring activities that will be completed. Documentation of post-construction conditions will include a description of the completed project, preparation of as-built drawings, and results of initial post-construction monitoring. This information will serve as a baseline for comparison to future monitoring data. The plan will also identify specific future monitoring activities and schedule; however, actual future monitoring activities will be conducted under a separate scope of work. Monitoring activities to be described in the plan may include photos, notes/sketches, measurements, ocular sediment data, and other activities depending on the project type and objectives. The monitoring schedule will describe the plan for regular scheduled monitoring as well as for monitoring in response to high water events. There will also be a discussion of site conditions that would trigger action items or interventions/adaptive management. The Monitoring Plan will be submitted to Yakama Fisheries staff for review, comment, and feedback. Revisions will be made as necessary to finalize the plan.

## **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 a Geologist, Hydrologist, and a Professional Engineer with at least 10 years experience designing instream restoration projects
- Completion of at least 12 successful Engineered Large Wood Structures in the Upper Columbia Basin in 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 Directions**

Each company 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  
RE: UC On-Call Small Project Design Services Contract  
PO Box 151  
401 Fort Road (if using a shipping service)  
Toppenish, WA 98948

Proposals must be received by Close of Business, Wednesday, June 1, 2016. Faxed copies will not be accepted.

Each proposal must include a Statement of Qualifications pertaining to the bidder's qualifications to produce the Scope of Work items listed in this Request for Proposals. Please include resumes of key project staff. Each proposal must also include a completed bid schedule for the project staff (see attached form).

## **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.

# On-Call Small Project Design and Engineering Services RFP –

## Certified Hourly Rate Schedule

Firm Name: \_\_\_\_\_

Date Prepared: \_\_\_\_\_

| Employment Position | Hourly Billing Rate |
|---------------------|---------------------|
| Principal           | \$ .                |
| Project Manager     | \$ .                |
| Senior Staff        | \$ .                |
| Staff               | \$ .                |
| EIT/Tech            | \$ .                |
| CAD                 | \$ .                |
| Clerical            | \$ .                |
| (other - as needed) | \$ .                |
| (other - as needed) | \$ .                |
| (other - as needed) | \$ .                |
| (other - as needed) | \$ .                |
| (other - as needed) | \$ .                |

By signing and submitting this form you are agreeing to honor the completed hourly rate schedule as this firm's competitive bid for a period of up to 180 days from the date this form was prepared.

### Certification

\_\_\_\_\_  
Printed Name and Title

\_\_\_\_\_  
Signature