



FISHERIES RESOURCE MANAGEMENT

P. O. Box 151 TOPPENISH, WA 98948 509-865-6262 FAX: 509-865-6293

Request for Proposals – Survey Analysis and Engineering Services for the Yakama Nation Chewuch River Mile 17 - 20 Fish Enhancement Project

Yakama Nation Upper Columbia Habitat Restoration Project – Methow Subbasin

Introduction

The Yakama Nation Department of Fisheries Resource Management is seeking an engineering services contractor to assist in restoration planning and engineered design efforts under the Upper Columbia Habitat Restoration Program (UCHRP). Justification for the project is founded upon the *Upper Columbia Spring Chinook and Steelhead Recovery Plan*, its associated *Biological Strategy* and the *Chewuch Reach Assessment*. All documents identify the Chewuch River area as a source for restoration of habitat and impeded river processes affecting listed salmonids in the Upper Columbia system. This reach, (see Figure 1) will require the winning bidder to analyze and assess the survey data and create a completed final stamped engineering set of designs for habitat restoration opportunities relating to Upper Columbia Basin salmon recovery goals to a final set of Construction Plans.

Objective

The objective of this project is to produce a final approved stamped engineering set of plans for the Chewuch River Mile 17-20 Fish Enhancement Project, (RM17-20). Conceptual plans, hydraulic modeling, and a report have been completed for this reach of the Chewuch River and pre-approved by both the land owner and the Yakama Nations project manager. Conducting and reporting on technical surveys and analyses of the river system to support the creation of high quality restoration construction documents will be required. All restoration plans within the project area are designed to collectively assist recovery goals for listed salmonids in the Upper Columbia system. The winning bidder will receive from the Yakama Nation, topographic survey points, (cross sections, *see Figure 2 example*), hydraulic modeling, reach report, wetland report, and conceptual developed designs, *see ChewuchRM17-20 for conceptual designs*.

Scope of Work

Phase 3: Draft Construction Plan

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

As agreed to by the Yakama Nations 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.

Task 9 - Stakeholder Meetings and Communications

If requested, the contractor will assist in presenting the Phase 3 Construction 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).

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.

Task 12.1 - Compilation of Data

The winning bidder will prepare, in a neat and compiled manner, all collected/produced information in both the paper and electronic format to the Yakama Nation upon completing Phases 3 and 4.

Deliverables: Report of findings, drawing set, planning estimates, and power point presentation for stakeholder meetings.

Anticipated Schedule

The Yakama Nation is seeking to have this work completed promptly upon issuance of a Notice to Proceed. The following deliverables is identified below and will be determined by the Yakama Nation.

Fall Survey

- Phase 3
- Task 7 October - November – 2016
- Task 8-9 November – January 16, 2017
- Phase 4
- Task 10 April 1st - 2017
- Task 11-12.1 July 1, 2017

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.

Proposal Requirements:

Selected proposal will have and demonstrate the following:

- Three references for the work described in phases 3-4. References should not be associated with the Yakama Nation
- 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)
- Ability to provide a report and drawings of findings
- Have on staff (not subcontracted) a Geologist, Hydrologist, and a Professional Engineer with at least 10 years' experience designing instream restoration projects. The Geologist and Engineer will be certified to work in the state of Washington and License numbers will be provided with this proposal
- Completion of at least 15 successful Large Woody Debris installation projects in the last 5 years
- Experience in field surveys

- Experience in reporting and designing
- Experience with the creation of creating side channel / off channel / back water channel habitat
- Experience with the creation of alcove habitat with a potential of using groundwater collection galleries to create flow
- Experience designing and constructing constructed riffles or roughened channels
- Completed bid sheet, *below pg. 6*

Proposal Submittals:

Proposals will only be accepted at the Toppenish Office, and must be submitted by close of business (5:00 p.m.) Tuesday, September 27, 2016.

Proposals must be valid for 90 days thereafter the submitted closing date.

Submit the proposal and a list of completed successful projects with references to:

Yakama Nation Fisheries
Attn: Jackie Olney (CRM17-20)
PO Box 151
Toppenish, WA 98948

FedEx Delivery:
401 Fort Rd
Toppenish, WA 98948
olnj@yakamafish-nsn.gov

Questions should be directed to:
Chris Butler
UCHRP Habitat Fisheries Biologist
509-996-5005 ext. 2
butlerc@yakamafish-nsn.gov

Figure 1. Yakama Nation Chewuch River Mile 17-20 Fish Enhancement Project Area



Figure 2. Example of Chewuch River Mile 17-20 Survey Data Collection Points



Bid Sheet

Description	Expense
<i>Task 7 - Design level survey</i>	
<i>Task 8 - Development of Permit level Construction Plan</i>	
<i>Task 9 - Stakeholder Meetings and Communications</i>	
<i>Task 10 - Development of Final Construction Plan</i>	
<i>Task 11 - Create and Provide a Design Report</i>	
<i>Task 12 - Stakeholder Meetings and Communications</i>	
<i>Task 12.1 - Compilation of Data</i>	