



TRI-STATE STEELHEADERS

SALMON ENHANCEMENT GROUP

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Request for Proposal

Tri-State Steelheaders Mill Creek Passage Design - Gose St Conceptual Design

Due March 8, 2022, 12 noon

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SUMMARY

Tri-State Steelheaders (TSS) is seeking contracted services for an alternatives analysis and conceptual design for the Mill Creek channel near College Place, WA. Design alternatives will be developed with stakeholder input and review. Data collected during the project will help inform alternatives. The design alternatives will address a new fish passage barrier at the site, a fishway with maintenance needs, bridge and road infrastructure, incised channel conditions, and the outlet of a flood control channel. The completed project will provide an alternatives assessment report, a preferred alternative, and conceptual level plans of the preferred alternative.

This Request for Proposal (RFP) does not obligate TSS to pay any cost incurred by respondents in the preparation and submission of a proposal. Furthermore, this RFP does not obligate TSS to accept or contract for any expressed or implied services. TSS reserves the right to reject any and all proposals.

OUR ORGANIZATION

The Tri-State Steelheaders Regional Fisheries Enhancement Group is a 501(c) 3 non-profit corporation and one of fourteen Regional Fisheries Enhancement Groups in Washington. Our mission is to restore sustainable populations of native salmonids by enhancing habitat, providing public education, and promoting recreational angling.

Examples of our restoration activities throughout the years include removing fish passage barriers, planting riparian habitat on local streams, installing large wood structures for instream habitat. Our recent focus has been to improve fish passage through the non-federally owned section of the Mill Creek flood control channel.

PROJECT GOAL

Develop a conceptual plan for the Mill Creek channel at Gose St so that fish passage, flood protection, and secure infrastructure are provided in a long-term, low-maintenance manner.

PROJECT DESCRIPTION

Location:

The project reach is in Walla Walla County (Sec.S23, T 7N, R 35 E) where Gose Street crosses Mill Creek (see Appendix A). The Mill Creek flood control channel ends under the Gose Street bridge, and continues upstream for about seven miles. For the first two miles upstream, the flood channel is levee confined on both banks, with regularly spaced, energy dissipating channel stabilizers (concrete or sheet pile weirs). A fishway constructed in 2008 transitions the flood channel to a natural channel. The natural channel is deeply incised at the site. Mill Creek continues about five miles to its confluence with the Walla Walla River.

USGS operates a stream gage on Mill Creek east of Walla Walla near the upstream end of the flood control channel (https://waterdata.usgs.gov/wa/nwis/uv?site_no=14015000), and two more gages east of this one. WA Dept of Ecology operates gages on the Walla Walla River, including one just below the mouth of Mill Creek (<https://apps.ecology.wa.gov/ContinuousFlowAndWQ/StationDetails?sta=32A100>).

PROJECT DESCRIPTION (continued)

Problem Statement:

Flood control measures were constructed in the 1930s and 1940s on seven miles of Mill Creek in Walla Walla. The flood control channel creates a complex passage barrier for steelhead, bull trout, and spring chinook. In 2005, the Walla Walla County Conservation District sponsored a project (RCO #04-1605) to construct a fishway (completed 2008) at the transition between the flood control channel and the natural channel to improve passage at that location.

In February 2020, the flood of record in the Walla Walla watershed created a fish passage barrier at the fishway. The flood control channel operated at capacity (~4,000 cfs) for hours. During the flood flows, the streambed was scoured and downcut at the fishway below Gose Street bridge, resulting in a jump height of approximately five feet for fish trying to enter the fishway.

The co-managers, Confederated Tribes of the Umatilla Indian Reservation and Washington Department of Fish and Wildlife, were able to mobilize an emergency remedy in October 2020. The emergency repair built two weirs from ecology blocks, which breaks the five-foot jump into two smaller jumps. This solution was intended to be a short-term fix, not designed to withstand flow at the channel's capacity. Because the design had to be implemented quickly, there was not time to design a durable, long-lived solution.

The situation is complicated by the footings of the Gose Street bridge in the channel. One engineer inspecting the channel scour was of the opinion that the fishway prevented the bridge from washing out, though the county public works department noted no concerns following their post-flood inspection. Any long-term fix here must include the long term stability of bridge.

While we can envision a few design alternatives to address the project goal, these are not based on any data. Therefore, we believe an assessment process in which relevant data is collected will lead to informed alternatives based on data. We have chosen to develop the preferred alternative to the conceptual level because it poses the lowest level of risk to TSS, landowners, and stakeholders given the lack of lack of data for the site, and the likelihood that the preferred alternative has yet to be identified.

Stakeholders:

The Mill Creek flood control channel is responsibility of the Mill Creek Flood Control Zone District, and is operated and maintained by the Walla Walla County Public Works Department. Adjacent to the flood control channel upstream, and outside of the levees is private property. Downstream of the bridge, on both sides, is also private property.

The Mill Creek Work Group consists of representatives from the city, the county, US Army Corps of Engineers, NOAA Fisheries, USFWS, WDFW, CTUIR, non-governmental organizations, and interested citizens. We consider this to be the primary stakeholder group, after landowners. We also wish for the stakeholder group to be as inclusive as possible, and will likely include parties not yet identified.

DEFINITION OF CONCEPTUAL DESIGN

This project is partially funded by the Salmon Recovery Funding Board (SRFB). One of the project deliverables is a conceptual design of the preferred alternative. The following excerpt from the Salmon Recovery Funding Board Manual 18 (Appendix D-1, p.88) defines this design level. It is included here so that bidders may know what deliverables TSS is obligated to provide to SRFB.

Conceptual Design

The conceptual design is the first stage of developing site-specific restoration actions. This process should use available watershed- and reach-level assessment information to address one or more priorities within a watershed strategy. The conceptual design should be guided by specific desired outcomes (objectives). Adequate technical information must be collected from the site to evaluate existing conditions and develop concept-level restoration techniques (alternatives). The preferred alternative concept must be documented with detailed drawings and a written report sufficient to explain and support proposed actions as well as guide the next stages of design.

Conceptual Design Deliverables

Project Deliverables	Conceptual Design	Project Phase		
		Preliminary Design	Final Design	Construction Project ¹
Conceptual Design Report and Drawings	✓	Application	Application	Application
Preliminary Design Report and Drawings		✓	✓	✓
Landownership Certification Form	✓	✓	✓	✓
Permit Applications		Optional	Optional	✓
Design Review Comments		Optional	✓	✓
Final Design Report and Drawings			✓	✓
Technical Specifications			✓	✓
Construction Quantities and Costs	3	✓	✓	✓
Bidding Documents			✓	✓
Permits			Optional	✓
Cultural Resources Compliance	2	2	2	✓
Control and Tenure Documents				✓
As-Built				✓

¹Design-build construction projects have an abbreviated set of design requirements before construction. See Appendix D-4.

²Cultural resources compliance may be required if sponsor is conducting ground-disturbing activities during the design phases.

³Rough cost estimate of the preferred alternative.

Submit the following deliverables to the RCO grants manager along with any assessment and feasibility deliverables funded in the scope of work.

- Description of the project site and the problems within the context of salmon recovery.

- Identification of specific goals and objectives to address the problems.
- Identification and conceptual design of alternatives to achieve the project objectives. Each conceptual design alternative must include a description of the design and a plan view drawing of existing site conditions and the proposed project on accurately scaled site plans. The plan view drawing must include an area/location map, property boundaries (either surveyed or approximated based on assessor's data), landownership, roads or other infrastructure as appropriate, scale, north arrow, water bodies and direction of flow, bank-full width or mean high water line for marine waters, and approximate dimensions of proposed elements.
- Evaluation and discussion of stakeholder comments and the pros and cons of each alternative.
- Selection of the preferred alternative(s).
- Rough construction cost estimate of the preferred alternative(s).

WORK DESCRIPTION & SCOPE

Work Description:

The contractor will collaborate with TSS and stakeholders to develop design alternatives to address the project goal. A process for ranking alternatives will be developed. A preferred alternative will be selected by TSS and the stakeholders.

The contractor will provide all staff, labor, and materials necessary to complete the following scope of work.

Scope of Work:

This tentative scope of work may be modified during contract negotiations with the contractor. We will rely on the expertise of the consultant to determine the appropriate data collection and analyses. However, we expect this to include the following list.

- Kickoff meeting with TSS to visit the project area and review project schedule and tasks
- Introductory meeting, and up to six total meetings with stakeholders
- Regular check-in meetings with TSS staff (such as every-other-week, or monthly)
- Gathering of relevant background materials, such as maps, plans, history, inventories
- Topographic surveying
- Field investigations of geotechnical and other site conditions
- Hydraulic, hydrologic, and geomorphic analysis
- Sediment budget
- Structural engineering analysis of the bridge footings
- Consultation with archaeologists
- Data interpretation to inform alternatives
- Development of design alternatives
- Data analysis and preparation of drawings and designs
- Presentation materials, as necessary, for stakeholder meetings
- Final assessment report that includes a conceptual design of the preferred alternative

PROJECT TIMELINE

Request for Proposal announced	Monday, February 14, 2022
Proposals due	Tuesday, March 8, 2022
Notification of contract award	Friday, March 18, 2022
Start of work	April 1, 2022
Stakeholder meeting	Early April – Date TBD
Draft report	December 31, 2023
Final deliverables complete	May 31, 2024

CONTENTS OF THE PROPOSAL

Please submit your proposal in pdf format, limited to 20 pages, signed by a principal authorized to enter into binding terms. In your proposal, please address the following:

Project Team and Qualifications

- A brief profile of your firm, including legal status, year of organization, and tax identifier
- Organizational chart, identifying project team members
- Stated availability of staff for the project
- Statement of qualifications of the firm and the project team
- Project team’s experience with alternatives assessments
- Project team’s experience with stream restoration projects and fish passage projects pertaining to ESA species
- Project team’s experience with reach scale restoration design
- General & professional liability coverage (the awarded contractor will be asked to provide proof of coverage)
- Three pertinent references who are familiar with the respondent’s experience with reach scale restoration in a stream with sensitive salmon resources, and can respond to the respondent’s quality of work, timeliness and reliability.

Scope of Work and Schedule

- List what you see as required products for the alternatives assessment and the conceptual design
- List what products you will provide in addition to the minimum required products (if any)
- Provide a list of your project tasks and your schedule, including an estimated project completion date, and any opportunities to accelerate the above schedule
- List any subcontractors

Project Budgets:

- Please provide estimates for the total costs using the budget categories below.

Salary and Wages (list professional and hourly fees)
Estimated hours per person
Direct expenses
Contract labor
Travel
Overhead
Other

SUBMIT THE PROPOSAL TO: tssfish@tristatesteelheaders.com

SELECTION CRITERIA

All proposals received by the due date and time will be reviewed by TSS. Proposals will be evaluated by a review committee. The winning proposal will be notified by Tuesday, March 18, 2022.

The criteria that will be used to evaluate each proposal include, but are not limited to, the following:

- Qualifications and experience with design of reach-scale restoration, and alternatives assessments
- Completeness of the responses to requested proposal contents
- Understanding of project goal
- Estimated project timeline
- Ability to work in close cooperation with the stakeholders and TSS
- Cost breakdown
- Total cost
- Willingness to meet for an online interview, if deemed necessary by TSS

CONTRACT TERMS AND COMPENSATION

Funding:

This project is funded by a grant from the Salmon Recovery Funding Board. This grant is a reimbursement grant, and can be invoiced no more than once per month.

Invoicing & Reimbursement:

All invoices for contracted labor will be paid within 30 days of receipt by TSS.

Contract Duration:

The contract will begin when signed by both parties. The contract will expire with the satisfactory delivery of the assessment and conceptual design report or June 30, 2024, whichever occurs first.

ADDITIONAL INFORMATION OR QUESTIONS

All inquiries for additional information regarding this RFP should be directed to in writing only to:

Morgan Morris
Project Manager
morgan@tristatesteelheaders.com

TRI-STATE STEELHEADERS' RIGHTS AND OBLIGATIONS

TSS assumes no obligations, responsibilities, or liabilities, fiscal or otherwise, to reimburse all or part of the costs incurred or alleged to have been incurred by parties considering a response to and/or responding to this RFP. All of such costs shall be borne solely by each respondent and its team members.

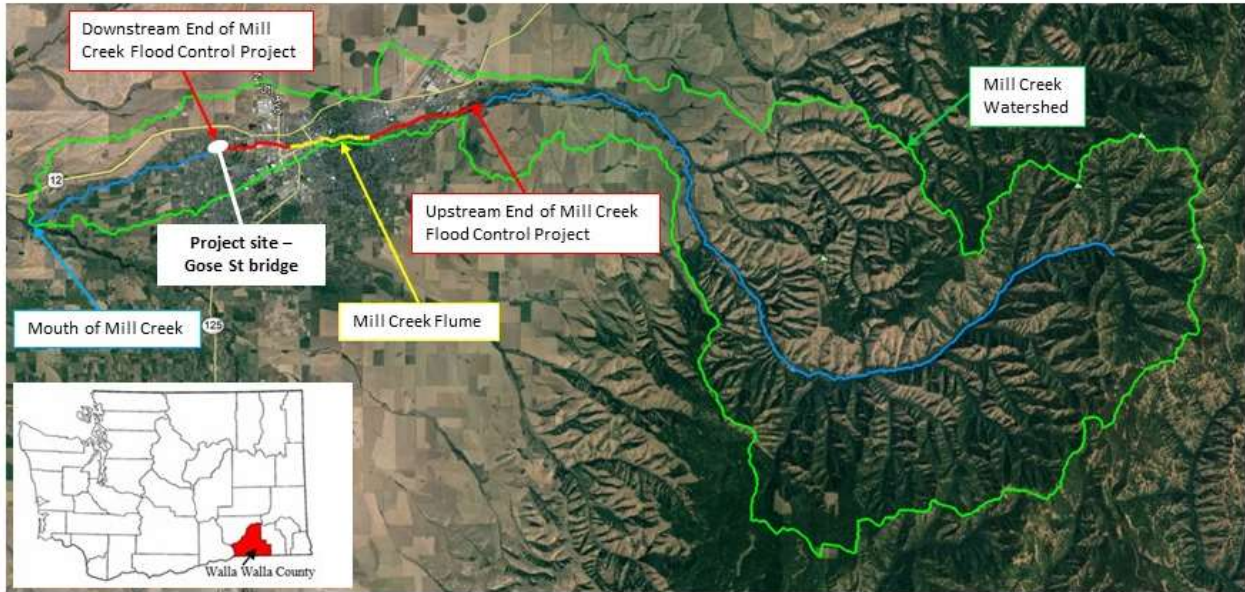
During the performance of this RFP, contract negotiation, and project implementation, Tri-State Steelheaders agrees to comply with all federal and state nondiscrimination laws, regulations, and policies.

TSS Retains The Right To:

- Cancel, withdraw, postpone, or extend this RFP in whole or in part at any time prior to the execution of a contract without incurring any obligations or liabilities
- Issue a new RFP
- Reject any and all proposals received at any time
- Modify dates projected in this RFP
- Correspond or meet with respondents to seek clarification or improved understanding of their responses to the RFP
- Seek data that has the potential to improve understanding and evaluation of responses to the RFP

APPENDIX A – PROJECT LOCATION

Mill Creek Passage – Gose St Conceptual Design Region Map – Mill Creek Watershed



Mill Creek Passage – Gose St Conceptual Design Aerial Photo



APPENDIX B – SITE PHOTOS

Mill Creek Passage – Gose St Conceptual Design
Gose St fishway (project 04-1605)



Mill Creek Passage – Gose St Conceptual Design

Site Photos

Flood flow February 2020



Mill Creek Passage – Gose St Conceptual Design

Site Photo

View upstream to fishway and Gose St bridge



Mill Creek Passage – Gose St Conceptual Design

Site Photo

View downstream from below fishway. Channel is deeply incised.



Mill Creek Passage – Gose St Conceptual Design

Site Conditions

Downstream view from Gose St bridge. Temporary passage structures built in October 2020.



Upstream view toward Gose St bridge, showing the two weirs constructed in 2020.