

Request for Bid

Bear Creek Lower Meadow Restoration Project

Lead: Truckee River Watershed Council

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Amendments to this Request for Bid will be posted on www.truckeeriverwc.org within the “news” section, and distributed through our weekly E-Currents newsletter. Please subscribe to our E-Currents newsletter by clicking “Subscribe” link in lower left corner of our webpage.

RELEASE DATE: March 6, 2020

In 2020, TRWC will release several Requests For Proposals (RFP) and Requests For Bids (RFB) for restoration design, construction, environmental compliance, permit assistance, and the like. We appreciate that some firms may wish to respond to multiple RFPs & RFBs. To help with proposal and bid preparation, we offer the following:

1. **Responding to Multiple RFPs/RFBs.** Firms may respond to multiple RFPs and RFBs. In the vast majority of our projects, a firm will not be prevented from bidding on future work if they participate in current work. In the rare case where this prohibition exists, we will state the prohibition in the current RFP/RFB.

2. **Lead Firm vs. Subcontracted Firm.** We understand and accept a given firm may be the lead in one response and a subcontractor in another response.

3. **Respond Uniquely to Each RFP/RFB.** Each of our projects has a unique combination of partners, stakeholders, funders, constraints, opportunities, and timelines. Due to the characteristics of each project, we purposely release separate RFPs/RFBs. Firms must submit a response to each RFP or RFB to be considered. While we appreciate that a firm might be able to offer efficiencies if we combined projects, the unique blend of characteristics of each project prevent us from combining projects more than has already been done.

4. **Repeating Information Across Multiple Responses.** We understand and accept that information about the firm, its staff, past work, references, work approach, and the like may be repeated, perhaps even word for word, across multiple responses.

A. PROJECT DESCRIPTION

Location. The project is located on public lands managed by the U.S. Forest Service – Tahoe National Forest (USFS). It is located in Placer County between Truckee and Tahoe City, approximately 1 mile west of the intersection of State Highway 89 and Alpine Meadows Road.

Project Overview. The purpose of the Bear Creek Lower Meadow Restoration Project (Project) is to improve the hydrologic processes in the Lower Meadow. This will provide natural benefits including restored floodplain connectivity, groundwater storage, prolonged base stream flows, enhanced critical habitat, and reduced erosion and sedimentation.

In 2017, TRWC partnered with the USFS to complete the Bear Creek Watershed Assessment. The Bear Creek basin is impacted by both historic and current day land uses. Within the Lower Meadow, the reach converted from a multi-thread lacustrine outwash to a single-thread channel with active incision and eroding banks. Evidence shows that 20- to 25-year floods are contained within the active channel and not inundating the meadow surface. Today, meadow functions and habitats continue to degrade.

The current project was identified by the assessment as the top restoration priority with the greatest potential for substantial ecological gains. It will restore 30 acres of degraded montane meadow and 3,000 feet of incised channel in the headwaters of the Sierra Nevada. The project goals are:

- Restore channel and meadow functions
- Enhance meadow hydrology and habitat
- Reduce sources of instream sediment from bank erosion
- Protect existing spring-fed tributaries that provide hydrologic support to the meadow
- Protect and enhance an existing aspen stand

Work To Be Completed. The Project work is described in detail in the attached Bear Creek Lower Meadow Restoration 95% Design Plans (Attachment 1), Horse Trail Ramp Detail (Attachment 2), Performance Standards (Attachment 3), and Design Basis Memo (Attachment 4). In general, construction activities include:

- (1) Raise the bed level to encourage overbank flow and manage bank erosion. Utilize cobbles and boulders, natural features in the system, to augment the elevation of the channel at existing riffles. This will maintain the channel's ability to adjust or move if necessary, decrease flow velocities upstream, and encourage aggradation, further raising bed elevations and providing a growth medium for wetland plants.
- (2) Re-engage secondary flow paths across the meadow surface. Open topographic high points by selectively salvaging willows with their rootmass to re-activate remnant channels and allow natural processes to resume and recover.
- (3) Increase instream wood in tandem with other design elements. This will encourage sedimentation, provide for bank protection, and provide aquatic habitat. Logs with and

without rootwads are embedded in the bank, embedded into riffles, installed instream, and placed in narrow channel segments.

Project activities for (1), (2), and (3) above include, but are not limited to the following:

- Install and maintain Best Management Practices
- Establish temporary construction entrances, access routes, including temporary stream crossings, and staging areas
- Install and maintain stream diversion and dewatering systems
- Salvage and stockpile meadow vegetation, willow and trees
- Complete grading
- Construct riffle with boulder sill core at upper end of project
- Construct riffles downstream with and without logs with rootwads
- Install bank logs, in-channel log jams, and instream wood
- Install debris jams
- Trail improvement
- Aspen enhancement by hand felling select conifers under direction of the USFS
- Planting and revegetation with stockpiled material, container plants and upland seed mix
- Decommission access routes and staging areas
- Remove stream diversion
- Two year plant establishment period-warranty work

Refer to the Attachment 1-3 for construction detail, typicals of project features, materials requirements, staging, access, etc.

Stream Diversion Plan. The contractor will be responsible for submitting a detailed stream diversion plan 10 days prior to mobilization for approval by the Engineer's Representative. The diversion plan will include details on:

- Cofferdam, gravity system, and pump system construction details and locations of any associated BMPs
- Diversion pipe or channel construction details and locations, including energy dissipation and scour/sediment control features
- Monitoring plan and a repair/contingency plan if significant leakage or failure is observed, and
- Information on how the diversion system will be continuously operated outside of normal business hours, including contingency plans for fueling, unanticipated breakdowns, or other issues that may occur when staff are not present.

Scheduling instream work will avoid spawning and migration seasons of resident or migratory fish. TRWC and USFS are responsible for completing surveys for fish and other aquatic organisms prior to diversion, and for removing any from the area to be dewatered in accordance with a CDFW approved dewatering plan. Any localized water re-routing would be minimized in both time and space to the greatest extent possible. Temporary diversion construction activities would minimize downstream turbidity according to the Storm Water Pollution Protection Plan (SWPPP). A post-project erosion control plan would be developed and implemented. Where necessary a downstream siltation structures and sump stations would be placed to control sediment and provide for clear discharge out of the project area.

California Conservation Corps and Revegetation. The California Conservation Corps (CCC) will complete a portion of the revegetation activities required for the project. Specifically, the CCC will complete hand installation of container plants. The Contractor shall be responsible for all other revegetation activities. Debris jams

Permits and Environmental Compliance. The Project is covered by a number of regulatory permits and environmental compliance documents. These include:

- CEQA Categorical Exemption (Placer County) for the Bear Creek Lower Meadow Restoration Project
- NEPA Categorical Exclusion Decision Memo (USFS) for the Bear Creek Lower Meadow and Stream Restoration Project (Attachment 5)
- USACE Section 404 nationwide permit
- California Dept. of Fish and Wildlife Section 1602 Streambed Alteration Agreement
- State Water Resources Control Board NPDES Construction General Permit
- Stormwater Pollution Prevention Plan for Martis Wildlife Area Restoration Project (Attachment 6)
- Lahontan Regional Water Quality Control Board Section 401 Water Quality Certification
- Placer County Grading Permit
- Placer County Encroachment Permit

TRWC will make these documents available to the selected contractor.

Materials. Except as noted below, contractor will furnish all labor, materials, equipment, tools, and incidentals as necessary to complete the project and comply with permits.

Some native materials (logs, boulders, soil) are available onsite and noted in Attachment 1.

Materials provided by TRWC are:

- Revegetation container plants
- Seed mix

Construction Oversight. The Engineer or Engineer’s Representative will provide project oversight and inspection, as described in Attachment 1. All parts of this project, including soil preparation, earthwork, and planting, are subject to field design or refinement by the Engineer or Engineer’s Representative, according to field conditions. USFS staff will provide additional monitoring and oversight, particularly for hydrologic, wildlife and cultural purposes.

Expected Project Timeline.

Task	Deadline
Pre-bid meeting (mandatory)	March 19
Deadline for requests for additional information	March 23
Bids Due	April 3
Interviews	Week of April 13
Contract Award	April 24
Pre-Construction Meeting	June 1
Construction start (estimated)	July 1

Construction Completion	October 1
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B. WORK REQUIREMENTS

Work Schedule. The work schedule will be established between contractor and TRWC – either 10 hours/day for 4 days/week or 8 hours/day for 5 days/week. In either case, the work is expected to continue until the project is completed. No overtime charges can be accommodated.

Permits and Environmental Compliance. The Contractor shall be responsible for complying with the requirements of and maintaining on-site copies of all project permits and compliance documents during construction.

Personnel. TRWC reserves the right to have Contractor replace a non-performing operator. No change in personnel will occur without written agreement between the Contractor and TRWC.

Equipment. Equipment will be chosen to minimize resource impacts. Contractor must provide equipment in excellent operating condition. No leaks of any size will be allowed. Contractor will be required to secure replacement equipment if any equipment is inoperable for two (2) days or longer.

All equipment will be pressure washed prior to mobilizing to the site to remove any vegetative matter, soil, or other organic matter to prevent the spread of noxious weeds. Any equipment that leaves the site must be cleaned again before re-entry.

Contractor will be required to provide all fuel, servicing and repairs to maintain equipment in operating condition. All fueling, servicing and repairs will be done in designated fueling areas at a minimum of 100 feet from any water surface or drainage area to prevent accidental petroleum discharge in riparian and other sensitive areas. Please prohibit any storage of fuel on Forest Service land and keep it restricted to delivery from service trucks/pickups as necessary. Water quality concerns require that all equipment be free of all operating fluid leaks.

The Contractor will be required to follow an emergency spill plan, and is required to have the appropriate materials on-site to clean up any spills that may occur. The Contractor shall immediately take action to contain and clean up, without expense to the Government and TRWC, all petroleum products spills on or in the vicinity of the project which are caused by the Contractor's employees directly or indirectly as a result of contract operations. The Contractor may be held liable for all damages and costs of additional labor, subsistence, equipment, supplies, and transportation deemed necessary by the Government for the containment and cleanup of petroleum products spills caused by Contractor's employees or resulting from contract operations. The Contractor shall immediately report all petroleum products spills to the Forest Service and TRWC.

Spark arresters will be required on equipment for fire prevention. Work during fire season will require additional measures related to a Project Activity Level variance agreement. The contractor will need to address fire capabilities to the satisfaction of the Forest Service.

The contractor will be responsible to provide the materials for the erosion control and will have adequate materials available onsite to control erosion from any storm or non-stormwater discharge event.

Materials. All materials to be used in the project must meet the specifications stated in Attachment 1. The Engineer or Engineer's representative will approve all materials prior to installation.

Staging and Access. Equipment/site access will be limited to access routes designated in Attachment 1. All equipment staging and stockpiling will take place in designated staging areas. At least 30 days prior to mobilization, the Contractor shall submit a Staging and Access plan that includes the following details:

- Any proposed deviations from the access route alignments and staging area configuration from what is shown in Attachment 1
- Fuel and chemical storage areas
- Materials/equipment staging areas, and
- Employee parking areas.

Upon completion of the Project, all areas will be blended with the natural topography and treated through restorative actions.

Traffic Control. The Contractor shall be responsible for compliance with the Placer County Encroachment Permit, including all traffic control requirements and submittals necessary.

A portion of the work at the lower end of the project site follows an existing equestrian trail. Equestrian use typically ends in mid-September. The contractor will complete work in this area as late as possible during the construction schedule in order to minimize impacts to equestrian use.

The contractor shall prepare a traffic control safety plan, including measures anticipating use by motor vehicles, bicycles, pedestrians and equestrians along Alpine Meadows Road. This plan will be submitted no later than one week prior to mobilization.

Failure to perform these requirements is grounds for contract termination.

C. MANDATORY PRE-BID MEETING

A mandatory pre-bid meeting will be held on March 19, 2020 from 1:00 PM to 3:00 PM at the U.S. Forest Service Truckee Ranger Station, 10811 Stockrest Springs, Truckee CA 96161. Attendance at the pre-bid meeting is a prerequisite for submitting a bid.

If weather allows, we will lead a site tour...

D. REQUESTS FOR ADDITIONAL INFORMATION

All requests for additional information or clarifications after the pre-bid meeting shall be submitted via e-mail to mprestowitz@truckeeriverwc.org by 5PM March 23, 2020. Responses

will be sent via e-mail to all potential bidders that participated in the pre-bid meeting, posted at www.truckeeriverwc.org in the “News” section, and emailed in our weekly E-Currents newsletter.

E. BID SUBMISSION

Bids must be received **by NOON on April 3, 2020**. Bids must be submitted electronically in .pdf format. All materials must be contained in a single file. Send bids to mprestowitz@truckeeriverwc.org.

F. BID PACKAGE AND EVALUATION

In the Bid Package, the Contractor team shall document the following qualifying experience:

1. The Contractor shall have completed a minimum of three channel and meadow restoration projects as the prime contractor in the past ten years. Example projects must demonstrate experience working in sensitive wetland areas, natural channel restoration, floodplain restoration, dewatering system implementation, grade control construction, and revegetation.
2. The Contractor shall have experience with projects involving large amounts of fill placement and/or riffle construction.
3. The Contractor’s superintendent or foreman assigned to this project shall have at least three years’ experience supervising channel and meadow restoration projects which included significant earthwork, site stabilization, and stream diversion.
4. State of California Class A General Engineering Contractor’s license and Class C-27 Landscaping Contractor’s license, both in good standing.
5. Work experience – minimum three (3) example projects showing montane (>4000 feet elevation) meadow, floodplain, or riparian restoration work in the past 10 years. Submit a minimum of five (5) representative photographs showing operations for each project, including earthwork, revegetation/site stabilization, and stream diversion.
6. The Contractor shall have demonstrable experience implementing restoration projects within budget that were subject to field fit and design modifications during implementation.

Bid Completeness. All sections of this bid package are important and must be addressed. Bids must be submitted for the entirety of the work as described in this RFB and its attachments.

Bid Evaluation. Bids will be evaluated on the basis of cost, project experience, past performance, qualifications of proposed equipment operators, integrity and capability of bidders, and probable level of service and convenience to TRWC. TRWC will conduct interviews with select Contractor(s) or teams based on their evaluation of bids.

If in the sole opinion of the TRWC, the Contractor does not meet the required qualifications the bid will be non-responsive.

TRWC reserves the right to retain all bids for a period of 60 days for examination and comparison, and to delete any portion of work from the contract. TRWC reserves the right to reject any and all bids.

G. BID FORMAT

Bids should include the following:

- Scope of work and approach. Outline the proposed technical approach to project activities including work sequencing and equipment. The approach should include discussion of all major project components including but not limited to Best Management Practices, stream diversion/dewatering, earthwork, instream work and structures, and revegetation/site stabilization.
- Cost Estimate prepared on attached Bid Sheet (Attachment 7)
- Rate Sheet
- Proposed project schedule
- List of relevant project experience, with photographs and contact information for references
- List of current certifications of staff assigned to project (e.g. Class A Contractor's license)
- Experience of project manager, superintendent, foreman, and operators assigned to project
- Exact specifications of equipment to be used
- If you have completed work or submitted proposals to work with TRWC before, please list the most recent project or proposal.

No overhead or administration costs are allowed.

Bids must be submitted electronically in a single .pdf file, and should be no longer than 40 pages, including all attachments.

H. PAYMENT TERMS

Funding sources for this project allow invoices to be submitted once every 90 days (March 25, June 25, September 25, and December 15) for work completed. It is expected that payment can be made within 120 days of invoice(s) submittal; however payment will only be made to the Contractor once TRWC has received payment from the project funders. All efforts will be made by TRWC to expedite payment; however no interest will be paid on overdue payments.

I. CONTRACT REQUIREMENTS

Amendments. Once a contract has been executed, no changes to the agreed upon scope of work shall occur without written agreement between the Contractor and TRWC.

Bonding. Contractor must furnish a performance bond in favor of TRWC in the following amounts: faithful performance (100%) of contract value; labor and materials (100%) of contract value for any contract over \$25,000 (Civ. Code, § 3247 et seq.; Pub. Contract Code, § 7103).

Insurance. Contractor must provide insurance certificates covering \$2 Million per Each Occurrence and no less than \$4 Million Aggregate showing the Truckee River Watershed Council and the U.S. Forest Service – Tahoe National Forest as well as their principals,

directors, employees, mortgagees, agents, representatives, successors, and assigns as special endorsements to be added to the insurance policy.

Indemnification. TRWC and Contractor agree they shall attempt to settle any dispute arising out of this contract, to include allegations of professional negligence, through communication and negotiation in the spirit of mutual friendship and cooperation. If the dispute cannot be resolved in this manner, Contractor, at its expense, shall indemnify, hold harmless, and when requested by TRWC to do so, defend TRWC, its officers, agents, and employees from any and all claims, demands or charges and from any loss or liability, including attorney's fees and expenses of litigation, resulting from negligence or carelessness on the part of the Contractor, its employees, or agents in the execution of the work or delivery of materials and supplies, by or on account of any act or omission of the Contractor, its employees or agents, including damage or destruction of any property or properties arising from, caused by or connected with the performance of work by Contractor, its agents, subcontractors and employees, and any failure to fulfill the terms of any laws or regulations which apply to the contract.

Prevailing Wage. California prevailing wage is required as established by the California Department of Industrial relations (<http://www.dir.ca.gov/public-works/prevailing-wage.html>). Where applicable, rates for Placer County will apply.

Qualifications. Contractor must possess a valid California Class A General Engineering Contractor's license and Class C-27 Landscaping Contractor's license.

TRWC cannot contract with any party who is debarred or suspended or otherwise excluded from or ineligible for participation in federal assistance programs under Executive Order 12549, "Debarment and Suspension"; or any individual or organization on USEPA's List of Violating Facilities (40 CFR, Part 31.35, Gov. Code, §4477). Subcontractors are also subject to this provision.

Audit. Auditors of the State of California will have the right to examine the records of the Contractor relative to the goods, services, equipment, materials, supplies, or other assistance provided to TRWC for the Project for a period of three years after project completion.

Data Universal Numbering System (DUNS) Numbers. The selected Contractor must provide their DUNS number to TRWC prior to contract execution.

ATTACHMENTS

1. [Restoration Design](#)
2. [Horse Trail Ramp Detail](#)
3. [Performance Standards](#)
4. [Design Basis Memo](#)
5. [NEPA DM](#)
6. [SWPPP](#)
7. [Bid Sheet](#)
8. [Sample Contract](#)