

Carson Water Subconservancy District
(REVISED)
Request for Proposal for Professional Services
Virginia/Rocky Stream Bank Stabilization Projects

The Carson Water Subconservancy District (“CWSD”) is requesting written proposals for the design of two (2) bank stabilization project sites along the East Fork Carson River located within the Carson Valley area of Douglas County Nevada.

Background:

Over the past 20 years there has been a shift in the Carson River channel that has increased the bank erosion at two sites along the property owned by the Washoe Tribe of Nevada and California and could possibly impact the operation of the Virginia/Rocky Diversion. If the current trajectory of bank erosion continues, it is plausible that the channel could avulse, or change course, during a future major flood event, and flank the diversion structure completely. Flanking the diversion structure would not only affect the Washoe Tribe’s property but also impact the livelihood of community members reliant on irrigation water and potentially increase the flood hazard to infrastructure along Highway 395, including Carson Valley Golf Course, and the Carson Valley Medical Center. Though the Carson River is naturally a highly dynamic system with a natural tendency toward periodic channel migration, avulsion upstream of the Virginia Rocky Diversion presents a significant risk to property and infrastructure, which needs to be addressed in a way that balances the needs of the community with the function of the river system.

Primary Goals and Objectives:

The overall goal of this project is to design two river restoration projects to enhance the function of the river system and stabilize the stream bank along the Washoe Tribe’s property. Specific objectives of this river restoration design project are summarized as follows:

- Maintain consistency with local and regional watershed stewardship plans (<http://www.cwsd.org/carson-river-watershed-adaptive-stewardship-plan/>) and floodplain management plan (<http://www.cwsd.org/?s=floodplain+management+plan>);
- Ensure the project does not adversely affect reaches upstream or downstream of the project;

- Prepare a design that focuses on limiting further bank retreat and preventing avulsion without sacrificing natural river function;
- Maintain flood hydraulics and sediment transport dynamics; and
- Improve riparian habitat at the two project sites.

Scope of Work:

The CWSD is requesting a proposal to design two (2) stream bank stabilization project sites located along the East Fork Carson River within the Carson Valley area of Douglas County, Nevada. This request is seeking engineering design with technical specifications and estimated costs of construction for each of the two (2) stream bank stabilization project sites (see attached map for locations). The designs will be used for permitting, bidding and construction purposes. Design plans should include Survey Points and data; Estimated Quantities; Site and Grading Plan; and a Revegetation Plan. It will be the responsibility of the consultant hired to submit engineering design and specifications for each of the two (2) project sites for CWSD review.

A mandatory on-site tour of the project sites will be held on March 31, 2016 at 10:00 am. The tour group will gather at the Washoe Tribal Environmental Office, 950C Hwy. 395 South Gardnerville, NV and proceed to each of the project sites. The consultant should plan on driving to each project site. If you have any questions or comments, please contact Edwin James at 775-721-1026.

Contract Type:

Competitive negotiation.

Contract Term:

May 18, 2016 through September 30, 2016. At the discretion of CWSD an extension may be granted and agreed upon by both parties.

Contract Costs:

To be negotiated. As required by State law, a professional service consultant is to be selected based on qualifications. The fee for those services is then negotiated with the selected consultant. In the event that an agreement cannot be made with the preferred consultant, CWSD will contact and negotiate with the consultant determined to be next most qualified.

Proposals Due:

Proposals must be returned by Friday April 15, 2016 by 4:00 pm to the Carson Water Subconservancy District Office located at 777 E. William St., Suite 110A, Carson City Nevada 89701. Proposals received after 4:00 pm on April 15, 2016 will be considered non-responsive and will be eliminated from further consideration. Please submit two hard copies and one digital copy.

Qualified small minority and women-owned businesses and other similar businesses, are encouraged to submit proposals.

Proposal Length:

Not to exceed 20 pages total (double sided) including title page and staff resumes. Proposals exceeding 20 pages will be considered non-responsive and will be eliminated from further consideration.

Carson Water Subconservancy District Contact Information:

Edwin James, General Manager
Carson Water Subconservancy District
777 E. William St., Suite 110A
Carson City, Nevada 89701
Ph: 775.887-7450
Fax: 775.887-7457

Proposals evaluation should include the following:

1. Successful completion of at least three (3) similar projects within the last **ten (10)** years that were constructed. Include a brief description of the project, name of design engineer and the year design was performed for each project.
2. Must have a professional engineer currently registered in the State of Nevada that will stamp the plans and take responsibly for the design.
3. Organizational chart detailing the staff that will actually be responsible for performing the work and their resumes.
4. Ability to provide three (3) hard copies of design and workable construction plans with quantity estimates for each project and digital (CAD and PDF) copies of the work product.
5. Ability to apply appropriate best management practice to stream bank stabilization projects.

6. Experience and knowledge of the reach of the Carson River through Carson Valley.
7. Must include a discussion on how the proposed design will not cause or create upstream or downstream instability.
8. Ability of the consultant to comply with proposed project schedule.
9. Ability to meet with and assimilate CWSD and landowner input into final design.

Proposed Project Schedule:

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| 1. | Solicit for proposals: | March 17, 2016 |
| 2. | Site Visit | March 31, 2016 |
| 3. | Receive Proposals: | April 15, 2016 |
| 4. | Review Committee Selects Consultant: | April 28, 2016 |
| 5. | Negotiate Contract: | May 2-6, 2016 |
| 6. | CWSD Signs Contract: | May 18, 2016 |
| 8. | Commence Design: | May 19, 2016 |
| 9. | Draft Design: | August 26, 2016 |
| 10. | Comments due on Draft Design: | September 9, 2016 |
| 11. | Final Design: | September 30, 2016 |

CWSD will make the following information available on its website at www.cwsd.org:

1. [Copy of the Carson River Fluvial Geomorphic Assessment done in October 1996.](#)
[Part 2: Appendix A, E-1 to E-6 Reach Summaries pp. 57-110](#)
[Part 3: Appendix A, W-1, W-2 and B-1 to B- 6 Reach Summaries pp 111-126](#)
[Part 4: Appendix A, C-1 to C- 10 Reach Summaries pp 127 – 206](#)
[Part 5: Appendices B – F pp 207-229](#)
2. Conceptual project site plans prepared by NRCS.
 - a. [Rocky Diversion Bank Stabilization Site](#)
 - b. [Site 1- Scour Hole](#)
 - c. [Site2 – Gravel Bar](#)
3. [Carson River Project Summary report prepared by David Doughty with NRCS.](#)
4. [Copy of the HYDRAULIC AND GEOMORPHIC ANALYSIS OF THE EAST FORK OF THE CARSON RIVER WITH IMPLICATIONS FOR BANK STABILIZATION STRATEGIES, prepared by Balance Hydrologics, Inc.](#)
5. Copies of the [2007 Adaptive Carson Watershed Stewardship Plan](#) and the [2008 and 2013 Update of the Carson Watershed Regional Floodplain plan.](#)

Selection Process:

All proposals submitted prior to the deadline and in good order will be carefully evaluated by a review panel. At a minimum, this panel will consist of CWSD staff, representatives from the Washoe Tribe of California and Nevada, NDEP, Carson Valley Golf Course, Douglas County staff. CWSD reserves the right to add others to the review panel. Each firm will need to submit two (2) sealed separate documents. One document will include experience and qualifications, the other will include a sealed project cost proposal.

SITE LOCATION MAP

