



FIVE PEAKS CONSULTING
Monthly Engineering Report
Carson Truckee Water Conservancy District

January 12, 2026

MONTHLY ACTIVITIES- NOVEMBER & DECEMBER 2025

- 1) Completed the fall debris removal report and bi-annual inspection. Currently preparing the bi-annual inspection report to submit to USACE.
- 2) The construction bid window for the Riverside Drive Berm Restoration project has closed. The City of Reno has approved the contract with Powerhouse Construction. Final contract documents and notice to proceed have been delayed - construction is expected to begin by the end of January.
- 3) Held a pre-application meeting on September 18th for the Sierra Street Bridge Replacement project. We received the application permit fee. We are planning to submit 90% design comments this week. RTC intends to start construction in Summer 2027.
- 4) Continue to coordinate with TMWA for the Highlands Bridge replacement project. It is likely that Section 408 will be the lead federal agency as no regulatory permit will be required. The proponent is currently working on the hydraulic modeling.
- 5) Phone call with USACE on December 16th to discuss permit status for all current projects. Followed up with project proponents.
- 6) Discussed the violation at 365 River Pines in Verdi with the USACE Section 408 Chief. They confirmed that USACE Regulatory withdrew their enforcement action as they determined that the rip rap was placed by hand and did not violate the Clean Water Act. They are supportive of CTWCD moving forward with enforcement and have provided a letter of support. Lucas and Traci have been instrumental in moving this further forward with state and local agencies.
- 7) The permit has been executed for the Keystone Avenue geotechnical borings. Both proposed borings were drilled in December but not able to reach the required depth due to significant challenges with the cobbles and boulders. They have requested a waiver to the flood season moratorium so that they can redrill one of the borings in late January/early February.
- 8) Received application from Trout Unlimited for a fish weir project to support habitat for LCTs. Pre-application meeting with USACE was held on February 27th. After initial review of the submittal package, it was discovered that the proposed improvements increase the WSEL by 0.3 feet which is not allowable so project proponent is preparing a new design to minimize the WSEL rise. Received resubmittal on August 26th that addresses WSEL rise – application currently under review. This has been submitted to USACE for review.
- 9) Met with One Truckee River to provide feedback on the Urban Tree Workforce Program.

- 10) Followed up with RTC and City of Reno on areas of sedimentation that were left behind on the Arlington Bridges river construction. Discussions still ongoing.
- 11) Meet on-site with City of Reno to review the 30% plans for the East River Path project between Lake Street and Brodhead Park.

UPCOMING ACTIVITIES

- 1) Continue to support the review of the Trout Unlimited fish passage project.
- 2) Complete the biannual river inspection report.
- 3) Schedule meeting with Congressman Amodei's office to request 2025 meeting to discuss current CTWCD priorities. Todd & Ernie have been communicating with Amodei's office.
- 4) Continue to support One Truckee River's Urban Tree Workforce Program with quarterly meetings to identify opportunities for collaboration.
- 5) Support the Riverside Drive berm restoration project through the end of construction.
- 6) Support TMWA on upcoming projects that require 408 permitting.
- 7) Work with JUB to prepare for floodwall 408 submittal.
- 8) Follow up with City of Reno on the meeting that was held in 2024 to confirm that West Street Plaza is included in their Flood Response Action Plan (FRAP) and pursue a final encroachment permit.
- 9) Continue to participate in monthly check in meeting with USACE. These are scheduled for the third Tuesday of every month.
- 10) Continue to collaborate with the City Forester for the removal of hazard trees within the 14,000cfs flood channel if budget dollars permit.
- 11) Continue working with project proponents for encroachment permit applications for One Truckee River Brodhead Park, TMWA maintenance projects, City of Reno East River Path, City of Reno Water's Edge project, USFWS fish passage projects, NDOT I-80 Verdi Bridge Replacement Project, Keystone/Sierra Bridges replacement project, NV Energy powerline rebuilds and other projects within the 14,000cfs flow channel.
- 12) Schedule informational meetings with potential entities with river crossings to inform them of CTWCD maintenance activities/capabilities and 408 Encroachment Permit requirements for projects along and across the river. Communicate changes to the 408 Permit process with likely applicants including the City, and utilities; update on Categorical Permission review and differences. Communicate updated fees and Fee Policy for 408 Permit Review.
- 13) Continued coordination with City of Reno for 1) Flood Response evaluation and incorporation of Interim Risk Reduction Measures into their Flood Response Plan for West Street Plaza, Oxbow Park Platform and Riverside Drive, and 2) Flap-gate Installation Phase 2 needs assessment and installation project.

SUMMARY REPORT

The permit for the Arlington Avenue Bridges Replacement Project was issued to RTC in April, as well as a variance to access the flood channel early. Construction began on May 5th and is expected to continue through Spring 2026. RTC/Granite completed work in the flood channel before the end of the year. Construction is currently on schedule. Five Peaks completes regular inspections to ensure that the project is being completed as scoped. At the latest inspection, we identified deposition upstream of the island that was under the Aquadam during construction. This was not removed prior to demobilization from the river channel. We have followed up with RTC and City of Reno to ensure that this is prioritized.

The Riverside Drive project continues to move forward to address the existing inundation during 14,000 cfs flows. This will be a two phase project with berm maintenance proposed downstream of Booth Street and a new floodwall upstream of Booth Street. The City of Reno has awarded the berm project to Powerhouse Construction which was the lower bid of the five submitted offers. The low bid came in below the engineer's estimate. Work is expected to begin in January. There has been a conceptual design prepared for the floodwall. The floodwall project will require a 408 permit, as well as NEPA permitting. This is currently underway and expected to be submitted to USACE in Q2 2026. We have a project meeting scheduled next week with City of Reno and TRFMA to ensure that the agencies are in alignment.

We received a 90% design package from RTC to support 408 permitting for the Sierra Street Bridge Replacement project. JUB and Five Peaks are currently reviewing the plan set and the hydraulic model and plan to provide comments this week. Once the comments are addressed, this will be presented to the Board for statement of no objection and submitted to USACE. We have received the \$10,000 permit fee.

We received a draft application from RTC/Parametrix to support 408 permitting for the geotechnical borings for the Keystone Bridge. A pre-application meeting with USACE was held on August 27th 2024. The boring permit was issued in November and the borings were attempted in December. The two proposed borings were not able to achieve full depth due to significant challenges encountering cobbles and boulders. They have requested a waiver to the construction window so that they can redrill one of the borings in late January/early February.

The bi-annual river inspection was completed in December, as well as the 2025 debris removal report. Both reports will be sent to USACE in January.

JUB recently recommended that CTWCD consider updating the HEC-RAS model to accommodate 2D modeling in the downtown river stretch from Booth Street to Lake Street. After careful consideration, we suggest waiting until many downtown river projects are completed and then using the submitted models to improve the CTWCD overall model. These projects include Keystone bridge, Riverside berm

and floodwall, Sierra Street bridge, Arlington bridges and the east river path. These projects are intended to be completed by 2029.

Tri Sage accompanied USACE on a field inspection of the Truckee River during the week of June 13th. Federal projects are supposed to be completed every 5 years, but the last inspection of the Truckee River was in 2013. The inspection kicked off on Monday, June 13th at Idlewild Park continuing east to the East 2nd Street bridge. The inspection continued on Tuesday, June 14th at Glendale Bridge to John Champion Park to inspect east end of the CTWCD jurisdiction. A draft report was received via email on June 27th. Five Peaks has provided comments to USACE. We are also working on developing an action/follow up plan for the “unacceptable” ratings and maintenance items.