



FIVE PEAKS CONSULTING
Monthly Engineering Report
Carson Truckee Water Conservancy District

March 8, 2026

MONTHLY ACTIVITIES- FEBRUARY 2026

- 1) Finalized the bi-annual inspection report and submitted to USACE.
- 2) Construction is underway on the Riverside Drive Berm Restoration project. JUB is under contract with the city and completing weekly project inspections.
- 3) Met with City of Reno and TRFMA to discuss next steps for the flood wall project. Received draft scope of work from JUB to support the modeling and design.
- 4) Held a pre-application meeting on September 18th for the Sierra Street Bridge Replacement project. RTC has been working to address all final design/modeling comments and we plan to submit 408 application to USACE this week. RTC intends to start construction in Summer 2027.
- 5) Received 60% design from 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. Currently reviewing and preparing comments.
- 6) Met with City of Reno to discuss breakdown in process associated with unauthorized encroachment at 365 River Pines in Verdi. They will begin consultation requests with CTWCD for any permit applications adjacent to the river.
- 7) Keystone Avenue geotechnical borings have been completed. Continue to support RTC for preparation of 408 permit to support full bridge replacement.
- 8) Received application from Trout Unlimited for a fish weir project to support habitat for LCTs. This has been submitted to USACE for review. Received notice of incomplete submittal from USACE regarding missing cultural resources report. Proposing meeting this week with USACE and Trout Unlimited to discuss.
- 9) Phone discussion with TRFMA regarding proposed changes to USACE's Water Resources Development Act (WRDA). They are requesting deauthorization of the 408 program downstream of Glendale. This would not have any impact on the Martis Creek Agreement and CTWCD jurisdiction.
- 10) Met on-site with One Truckee River to review January and February activities completed as part of the Urban Tree Workforce Program. City of Reno developing Memorandum of Understanding to continue work if funding was to run out.
- 11) Reviewed One Truckee River's 90% design set for Brodhead Park restoration project and provided comments. Not expecting a 408 permit to be required.
- 12) 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.

- 13) Continue to support City of Reno and their design engineer on the East River Path project between Lake Street and Brodhead Park. Not expecting a 408 permit to be required. Construction planned for Fall 2026.

UPCOMING ACTIVITIES

- 1) Continue to support the review of the Trout Unlimited fish passage project.
- 2) 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.
- 3) Continue to support One Truckee River's Urban Tree Workforce Program with quarterly meetings to identify opportunities for collaboration.
- 4) Support the Riverside Drive berm restoration project through the end of construction.
- 5) Kick off flood wall hydraulic modeling and design to support 408 application submittal.
- 6) Review 60% design of the TMWA Highlands Bridge project. Support TMWA on upcoming projects that require 408 permitting.
- 7) Continue to participate in monthly check in meeting with USACE. These are scheduled for the third Tuesday of every month.
- 8) Continue to collaborate with the City Forester for the removal of hazard trees within the 14,000cfs flood channel if budget dollars permit.
- 9) 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.
- 10) 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.
- 11) 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.
- 12) 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 is 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. Construction is expected to be complete in late March/early April. 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 received a draft design scope or work for the full design that will be reviewed at the March board meeting.

We received a 90% design package from RTC to support 408 permitting for the Sierra Street Bridge Replacement project. JUB and Five Peaks provided comments and had follow up meetings on February 4th and 5th to address the comments. One of the biggest concerns is the opportunity for sedimentation after the new bridge is installed. At our request, City of Reno provided a letter that they would continue to monitor and maintain the sedimentation per the Martis Creek Agreement and City Ordinance. The Board approved a statement of no objection at the February Board meeting. RTC has addressed all outstanding comments and this will be submitted to USACE this week. Current construction schedule kicks off in June 2027.

The Keystone bridge geotechnical 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. The borings were completed on February 10th. RTC/Parametrix is advancing to 60% design due in May 2026. We anticipate the 408 permit for the construction of the bridge to be submitted to CTWCD for review in Fall 2026.

We have submitted the Trout Unlimited 408 application to USACE for review. They have two project locations – one in Verdi in CTWCD jurisdiction and one in Tracy in NVDWR jurisdiction. We received a notice of incomplete submittal due to missing cultural report. Trout Unlimited is also working on their cultural report and associated SHPO consultation.

The bi-annual river inspection was completed in December, as well as the 2025 debris removal report. The bi-annual report was finalized and sent to USACE in March. We are planning to remove a dead tree from Riverside Drive while the park is closed for construction. We also plan to remove vegetation from the gabion walls upstream of Arlington this spring.

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 2022 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.