



FIVE PEAKS CONSULTING
Monthly Engineering Report
Carson Truckee Water Conservancy District

May 18, 2026

MONTHLY ACTIVITIES- APRIL 2026

- 1) Construction is underway on the Riverside Drive Berm Restoration project. JUB is under contract with the city and completing weekly project inspections. The project is expected to be complete by June 19th. There is a public ribbon cutting planned for the week of June 22nd. More details to follow.
- 2) Met with USACE to discuss the channel wall project and permitting requirements. We are planning to have a pre-application meeting with USACE's technical subject matter experts on May 20th. Received revised scope of work from JUB reducing the geotechnical costs by about \$20k for a total of \$371,600. The scope of work includes final hydraulic modeling, design and 408 permit support. We are recommending the Board approve the scope of work so we can move forward with permitting by the end of the year.
- 3) Submitted the 408 application for the Sierra Street Bridge Replacement project on March 18th. We received USACE's Incomplete Submittal Determination on April 10th and sent comments on the RTC/Jacobs. The proponent addressed these comments on April 22nd. RTC intends to start construction in Summer 2027.
- 4) Submitted the 408 application package from TMWA for the Highlands Bridge replacement project on May 4th. Awaiting initial comments from USACE.
- 5) Followed up with property owner at 365 River Pines in Verdi. We have revised the inundation maps in the Verdi area to reflect current aerial imagery. The River Pines HOA will circulate the CTWCD introduction letter and mapping to the homeowners.
- 6) Met with RSIC and RTC to discuss the mixed use path from John Champion Park to the Walmart on Glendale. The project received a 408 permit in 2021. The CTWCD approval for that project expired on 12/31/2022 and the USACE permission expired on 5/1/2026. RTC has requested to extend the permit with USACE approval, and also assign the permit to RSIC as they will be the owners and operators of the path. We have requested engineering confirmation that the design has not been modified from the original approved design.
- 7) Keystone Avenue geotechnical borings have been completed. Continue to support RTC for preparation of 408 permit to support full bridge replacement. Expecting 60% design in May and a pre-application meeting in late summer.
- 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. Awaiting response from the project proponent.

- 9) Met on-site with One Truckee River to review January and February activities completed as part of the Urban Tree Workforce Program. Followed up on City of Reno MOU that was discussed during that meeting.
- 10) Reviewed One Truckee River's 90% design set for Brodhead Park restoration project and provided comments. Not expecting a 408 permit to be required.
- 11) 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.
- 12) 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) Continue to support One Truckee River's Urban Tree Workforce Program with quarterly meetings to identify opportunities for collaboration.
- 3) Support the Riverside Drive berm restoration project through the end of construction.
- 4) Kick off channel wall hydraulic modeling and design to support 408 application submittal.
- 5) Support TMWA on upcoming projects that require 408 permitting.
- 6) Continue to participate in monthly check in meeting with USACE. These are scheduled for the third Tuesday of every month.
- 7) Continue to collaborate with the City Forester for the removal of hazard trees within the 14,000cfs flood channel if budget dollars permit.
- 8) 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/Lake Street Bridges replacement project, NV Energy powerline rebuilds and other projects within the 14,000cfs flow channel.
- 9) 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.
- 10) 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.
- 11) 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 in May 2025 and is currently on schedule for completion in early June 2026. RTC/Granite completed work in the flood channel before the end of 2025. Five Peaks completes regular inspections to ensure that the project is being completed as scoped. During a December 2025 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. A ribbon cutting event is planned for Monday June 8th at 11am.

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 channel wall upstream of Booth Street. The City of Reno has awarded the berm project to Powerhouse Construction. Construction is expected to be complete no later than June 19th. There is a public ribbon cutting planned for the week of June 22nd. More details to follow. There has been a conceptual design prepared for the channel wall. The channel wall project will require a 408 permit, as well as NEPA permitting. We met with USACE in March to discuss the design and permitting requirements of the project – they suggested a pre-application meeting with their technical experts as this project will modify the federal flood project. This is planned for May 20th. We were able to reduce the geotechnical scope by about \$20k and have received a revised scope of work from JUB to complete the design, hydraulic modeling and permitting.

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. The 408 application was submitted on March 18th and we received USACE's Incomplete Submittal Determination on April 10th. USACE comments were addressed on April 22nd. Current construction schedule kicks off in June 2027.

We received a meeting request from RSIC and RTC to discuss the mixed use path from John Champion Park to the Walmart on Glendale. The project received a 408 permit in 2021. The CTWCD approval for that project expired on 12/31/2022 and the USACE permission expired on 5/1/2026. RTC has requested to extend the permit with USACE approval, and also assign the permit to RSIC as they will be the owners and operators of the path. We have requested engineering confirmation that the design has

not been modified from the original approved design. The extension request will be discussed with the Board and USACE.

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. The City of Reno removed 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.