FIVE PEAKS CONSULTING
Monthly Engineering Report
Carson Truckee Water Conservancy District

October 12, 2026

MONTHLY ACTIVITIES- SEPTEMBER 2026

1) Completed bi-annual river inspection. The photo summary is complete and we are planning to wrap up the formal report in October. We have completed the fall debris removal scopes and work will begin this month. We are also working with Washoe County and the City of Reno on code enforcement letters for private properties with dead or dying trees that could threaten flood conveyance.
2) Construction is complete on the Riverside Drive Berm Restoration project. JUB is completing the as-built survey, modeling and plans. JUB has also kicked off design on the channel wall project. Geotech borings outside of the channel are scheduled for October 15-16.
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 to RTC/Jacobs. The proponent addressed these comments on April 22nd. USACE hydraulic reviewer had questions on some localized WSEL increases, so a technical meeting to discuss was held on September 2nd. Remainder of USACE review is still underway. RTC intends to start construction in Summer 2027.
4) Submitted the 408 application package for the TMWA Highlands Bridge replacement project on May 4th. We received USACE's Incomplete Submittal Determination on June 2nd and sent comments on to TMWA/HDR. The proponent addressed these comments on August 21st. We held a site meeting with RSIC and USACE on September 21st to discuss the tribe's concerns on the cultural report.
5) Keystone Avenue geotechnical borings have been completed. Continue to support RTC for preparation of 408 permit to support full bridge replacement. Received the 60% design in May and the hydraulic model in August for review. Pre-application meeting with USACE was held on September 17th. We are requesting Board approval of the application at the October meeting.
6) Submitted the 408 application package for the Trout Unlimited fish weir project. Received notice of incomplete submittal from USACE regarding missing cultural resources report. The project proponent submitted the report to USACE on June 15th. USACE is currently reviewing this application, and has requested clarification on the hydraulic model and the property ownership.
7) Provided current HEC-RAS modeling files to support the Truckee River Water Control Manual updates. HDR is completing this work for USACE.

8) Continue to review quarterly activities completed by One Truckee River as part of the Urban Tree Workforce Program. Followed up on City of Reno MOU that was discussed during that meeting.
9) Received One Truckee River's final design set for Brodhead Park restoration project in July. Based on review of the final plans, a 408 permit will not be required as work within the 14,000 cfs boundary is limited to bank stabilization activities.
10) Completed a site visit with One Truckee River to review their preliminary plans for the Idlewild Riverbank Repair project. They have received a Conserve Nevada grant and want to complete a very similar scope to what was proposed at Brodhead.
11) Followed up with RTC and City of Reno on areas of sedimentation that were left behind on the Arlington Bridges river construction. We have communicated that this needs to be addressed prior to flood season.
12) Received final design and hydraulic memo from City of Reno on the East River Path project between Lake Street and Brodhead Park. Currently reviewing to evaluate whether a 408 permit will be required.
13) Consulted with a private property owner building a single family home in Reno. Original design plans would have required a 408 permit but the design has been revised to keep all grading and excavation outside of the 14,000cfs inundation. This came out of improved processes with City of Reno planning.

UPCOMING ACTIVITIES

1) Complete bi-annual river inspection report and send to USACE.
2) Continue to support the review of the Trout Unlimited fish passage project.
3) Continue to support the review of One Truckee River's projects.
4) Continue to support Booth Street channel wall hydraulic modeling and design to support 408 application submittal. Schedule monthly meetings to track status.
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, 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

Construction of the Arlington Avenue Bridges Replacement Project is complete. Awaiting final as-builts and sedimentation removal to close permit. We have 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. We have also been contacted by the paddling community that have issues with the drop structure in the kayak park.

The Riverside Drive/Booth Street Channel Wall 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 berm project is complete - awaiting final survey and as-builts. There has been a conceptual design prepared for the Booth Street channel wall project. The channel wall project will require a 408 permit, as well as NEPA permitting. We met with USACE on May 20th to discuss the design and permitting requirements of the project. JUB is beginning to kick off the design, hydraulic modeling and permitting. Geotech exploration is scheduled in October to keep design moving forward.

The 408 application for the Sierra Street Bridge project was submitted on March 18th and we received USACE's Incomplete Submittal Determination on April 10th. USACE comments were addressed on April 22nd. USACE hydraulic reviewer had questions on some localized WSEL increases, so a technical meeting to discuss was held on September 2nd. USACE has followed up with additional questions regarding the hydraulic modeling. 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. We discussed the extension with USACE and they stated that this could be an environmental liability. After researching the project history, it was

determined that the biological and cultural studies were completed in 2019. A formal request has been sent to USACE for an extension of the permit.

The Keystone bridge geotechnical boring permit was issued in November and the borings were completed on February 10th. RTC/Parametrix submitted the 60% design due in June, but the hydraulic model was missing from that submittal. We received the model in August and provided comments. Pre-application meeting with USACE was held on September 17th. We are requesting Board approval to submit the application to USACE. Current construction schedule kicks off in June 2028.

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. The cultural report has now been submitted and the package is with USACE for review. USACE has followed up with additional questions on the hydraulics and the property ownership.

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.