



FIVE PEAKS CONSULTING
Monthly Engineering Report
Carson Truckee Water Conservancy District

October 13, 2025

MONTHLY ACTIVITIES- SEPTEMBER 2025

- 1) Completed the bi-annual river inspection. Finalized the report and photo documentation, and this will be sent to USACE this week.
- 2) Completed the first debris removal scope of work with Arbor Pros between Ivan Sack Park and Idlewild Park. The next phase will start late October/early November with Noah's Park and will begin at Brodhead and work east to Glendale.
- 3) Completed final reviews of the Issued For Bid drawings for the Riverside Drive Berm Restoration project. The City of Reno will advertise the project for construction this week.
- 4) Held a pre-application meeting on September 18th for the Sierra Street Bridge Replacement project. We expect to receive 90% design submittal this month and plan to submit to USACE in mid-November. RTC intends to start construction in Summer 2027.
- 5) Held a consultation meeting on September 10th with TMWA for the Highlands Bridge replacement project. It is likely that Section 408 will be the lead federal agency but this still needs to be confirmed with Regulatory.
- 6) Phone call with USACE on September 16th to discuss permit status for all current projects. Followed up with project proponents.
- 7) Discussed the violation at 365 River Pines in Verdi with the USACE Section 408 Chief. We requested more information on the USACE Regulatory decision to withdraw. They planned to review with staff and respond, but we did not receive further communication prior to the government shutdown.
- 8) Corresponded with project proponents for Keystone Avenue bridge replacement project and participated in design review meetings. All comments from USACE have been addressed. The project proponent had borings scheduled for September, but USACE confirmed that they will not be able to support this schedule – anticipating permission in November.
- 9) 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 – hydraulic modelers will review in October prior to submitting to USACE.
- 10) Received USACE Truckee River field inspection report on June 27, 2023. We received follow up from NV Energy that 1 of the 3 identified powerline crossings pre-dated the Martis Creek

agreement. Other 2 crossings will require as-built 408 applications. We had a meeting with the City of Reno on March 15th to discuss additional flap gates required. Continuing to follow up with USACE inspection team.

UPCOMING ACTIVITIES

- 1) Review resubmittal for Trout Unlimited fish passage project.
- 2) Complete the 2025 debris removal scopes.
- 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 to review 90% plans for Brodhead Park Restoration and provide guidance on whether a 408 permit will be required. Also provide guidance on their Urban Tree Workforce Program to ensure work does not require permitting.
- 5) Work with JUB to complete the Issued For Construction plans for the Riverside Drive berm restoration and prepare for floodwall 408 submittal.
- 6) 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.
- 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, 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) 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 on May 5th and is expected to

continue through Spring 2026. The late July rain event resulted in substantial runoff in the project area from adjacent storm drains which deposited approximately one foot of fine sediment throughout the overall project area. RTC has submitted a variance extension request to continue work in the flood channel through November 30th - Board approved at the August meeting. Construction is currently on schedule. Five Peaks completes regular inspections to ensure that the project is being completed as scoped.

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 berm design is currently at Issued For Bid and will be released by the City of Reno for public bidding on October 14th. Construction is currently scheduled for Fall 2025. There has been a conceptual design prepared for the floodwall. The floodwall project will require a 408 permit, as well as NEPA permitting. We have executed the Inter-Local Agreements to fund the Riverside Drive project and formalize the following roles/responsibilities:

1. CTWCD – Fund and manage final design and 408 permitting to achieve 14,000 cfs containment.
2. City of Reno – Fund and manage design of pedestrian path and landscape restoration, manage public outreach, issue bidding and construction documents, manage project construction.
3. TRFMA – Design review and construction funding.

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. USACE has determined that a Drilling & Invasive Program Plan (DIPP) will be required in this location due to the dike included in the original federal project. RTC received NEPA determination from NDOT/FHWA on September 9th. CTWCD Board approved the project at the September Board meeting, but will not be submitted until the DIPP is complete. We completed review of the updated application and sent to USACE on February 7th 2025. USACE provided a Notice of Incomplete Submittal and we have responded with the additional information. We received additional comments from the USACE Levee Safety Team regarding the Drilling & Invasive Program Plan (DIPP) on June 9th – project proponent has responded to all questions. Anticipating final permission in November.

The bi-annual river inspection was completed in late July. We are finalizing the report and photo documentation and plan to send to USACE this week. Debris removal scopes and proposals have been finalized. Arbor Pros has completed their scope of work for removal of standing dead trees and downed debris between Ivan Sack Park and Idlewild Park. Noah's Park will begin work late this month/early next month for scoped debris removal from Brodhead Park to Glendale. Debris removal reports will be sent to USACE with the winter bi-annual inspection.

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.