



TRI SAGE CONSULTING
Monthly Report
Carson Truckee Water Conservancy District

February 27, 2020

MONTHLY ACTIVITIES- February 2020

- 1) Meet with City Assistant City Manager & Clean and Safe to discuss City assurances under the Martis Agreement, discuss encroachment permit process and limitations.
- 2) Draft letter to Assistant City Manager and distribute final letter.
- 3) Work with City Forester to protect trees threatening river; update City regarding damaged trees in Idlewild.
- 4) Coordinate modeling work for review of Wingfield Kayak Park and update of base model.
- 5) NDOT Spaghetti Bowl –Update District profile in Jacobs vendor system for District acceptance as a vendor for payment of the permit evaluation invoice; invoice has been paid in full.
- 6) Discuss 408 Permit requirements for planned City bridge maintenance work.
- 7) Respond to private property owner inquiry regarding vegetation removal along the banks.
- 8) Meet with TMWA to review maintenance and erosion repairs for portages at Washoe Diversion.
- 9) Work with model engineer to update flow model upstream of Booth Bridge as approved by the board and discuss field features and access.
- 10) Begin transitioning engineering support with review of encroachment applications, project and documents.

UPCOMING ACTIVITIES

- 1) Complete Debris/Tree Removal Work; depending upon access and coordination with City Team.
- 2) Continue working with project proponents for encroachment permit applications for RTC Mixed Use Path, Washoe County River Bend Trail, TMWA Washoe Diversion Portage, USFWS fish passage projects, Arlington Bridge replacement review and other projects within the 14,000cfs flow channel.
- 3) Continue transitioning Tri Sage Lead Engineer.
- 4) 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.

- 5) Draft and mail letters to homeowners along Idlewild Drive notifying them of encroachment requirements and limitations.
- 6) Discuss 2-D Model updates with TRFMA and opportunity for CTWCD to use this model update; when completed model will be made available to CTWCD by TRFMA.
- 7) Work with the City of Reno to pursue a permanent encroachment permit for the West Street Plaza and any associated projects.
- 8) Continue to evaluate and discuss temporary flood control measures including flow limitations, cost, storage, installation requirements and options for West Street Plaza and Booth-Riverside Drive areas.
- 9) Run 14,000cfs steady state HEC-RAS flow model to establish water surface elevations along key river locations to evaluate issues; complete sections upstream and downstream of downtown and produce inundation map layer for addition to County maps.
- 10) Continued coordination with City of Reno for 1) Flood Response evaluation and incorporation of Interim Risk Reduction Measures into their Flood Response Plan, and 2) Flap-gate Installation Phase 2 needs assessment and installation project.
- 11) Finalize the Equipment Access/Entry Point Documentation and Mapping for the District jurisdiction;

SUMMARY REPORT

Tri Sage continues to pursue Debris and Tree Removal project approved by the Board and has been coordinating the removal of dead trees from the riverbank. Tri Sage is awaiting confirmation from the City of Reno forester regarding the city priority of trees for removal. Additional trees were identified in Idlewild Park on the riverbank that have sustained serious beaver damage and are in need of removal prior to them entering the river. The District will work with the City to prioritize removals and gain access approvals from willing properties to spend the remaining authorized removal dollars.

Tri Sage and Superintendent Penrose met the City of Reno Assistant City Manager, the Clean and Safe Project Manager and other City project engineers to discuss the assurances that the City provided to the USACE as part of the District entering into the Martis Agreement. During this meeting, the Districts encroachment permit responsibility and the permitting process were discussed with staff so that future projects can be permitted as necessary. Following the meeting, Tri Sage drafted a letter regarding the assurances and requested the City comply with their assurances to prevent encroachments in the channel; the letter has been delivered to the City for their review and use. The District has requested the City respond to the letter with information regarding the regulations and ordinances to prevent encroachments and how these are being implemented.

The RTC project for the mixed-use path has yet to submit an encroachment application.

The District's entry license for access through City parcels along the river expired at the end of 2019. The City has agreed to issue the permit for an extended period of 5 years versus the two-year length of the prior agreements and this agreement was approved by City Council. The District is waiting on the final signed document from the City.

After identifying some model discrepancies in and around the City Kayak Park, the modeling engineer is continuing to evaluate the level of sedimentation that is allowable and does not force water to leave the 14,000cfs channel. This information will help both the District and the City maintain this project as may be needed. The Modeling Engineer is continuing to build the flow model upstream of the Booth Bridge and to refine river features using field photos and information for incorporation into the flow model.

Superintendent Penrose is participating in the RTC Arlington Bridge Working Group to evaluate bridge replacement options. Superintendent Penrose can update the Board on any outcomes. The modeling engineer will provide the updated base model with the updated kayak park to the project engineer for this RTC Project.

The District has finally received payment for the NDOT Spaghetti Bowl Xpress project 408 Permit review through the NDOT engineer Jacobs. The process was cumbersome and extensive so the Board may want to establish and consider how permit review fees will be paid on future projects.

Internally, the Tri Sage Team has been transitioning the District lead from Lori Williams to Kayla Dowty through the review of project files and the discussion of issues as they arise. This transitioning will continue for several months.

The section that pertained to the USACE April 2013 Inspection report has been eliminated from this report; and it is recommend the District continue to pursue improvements and correction of items noted in that last inspection report. The District has addressed or is currently addressing those items through its work.