



TRI SAGE CONSULTING
Monthly Report
Carson Truckee Water Conservancy District

February 2, 2019

MONTHLY ACTIVITIES- December 2018 & January 2019

- 1) Monitor NVENV Debris removal work and arrange right of entries with private properties.
- 2) Complete Semi-Annual USACE inspection and prepare report for submittal to USACE.
- 3) Prepare debris removal report for all Fourth-Quarter work and submit to agencies including NDEP, State Lands, USACE Regulatory and USACE Flood.
- 4) Prepared and submitted application to renew the Nevada Division of State Lands Entry License for the Truckee River which expired December 31, 2018; The District needs the entry agreement in place for 2019 removal needs. This is delayed due to backlog at State Lands.
- 5) Met with State Lands at Carson Sub-Conservancy to discuss changes to SB47 (and AB84) and possible impacts on District projects and work in the river; minimal impacts if State Lands renews 5yr entry authorization request submitted.
- 6) NDOT Spaghetti Bowl Improvements –Review additional NDOT submitted project information including the flow models, survey and summary information for recommendation of permit approval; submit additional information to USACE for their review.
- 7) Discuss project elements with landscaper for Idlewild Property owner and 408 Permit requirements for work within the flood channel.
- 8) Follow up with NV Division of Emergency Management regarding the outstanding FEMA Grant for 2017 Flood Repairs; no response at this writing.

UPCOMING ACTIVITIES

- 1) Continue working with project proponents for encroachment permit applications for NDOT Spaghetti Bowl Project, USFWS fish passage projects, and other projects within the 14,000cfs flow channel.
- 2) Meet with City of Reno regarding flood preparedness and Flood Response Plan, channel projects, model updates and permit applications.
- 3) Draft and mail letters to home owners along Idlewild Drive notifying them of encroachment requirements and limitations.

- 4) Follow-up with local agencies and project applicants on possible participation in the flow model updates for their impacted areas; bring findings back to District Board for discussion.
- 5) Communicate changes to the 408 Permit process with likely applicants including the City, and utilities; update on Categorical Permission review once in place.
- 6) Discuss 2-D Model updates with TRFMA and opportunity for CTWCD to use this model update; Model nearly completed and 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.
- 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 needs assessment and installation project.
- 11) Finalize the Equipment Access/Entry Point Documentation and Mapping for the District Jurisdiction;

SUMMARY REPORT

Tri Sage monitored the debris removal work performed by NV- ENV at 11 different locations; NV- ENV completed this work efficiently using a small mini-excavator and labor. The regulatory report for the debris removal was drafted for the work performed by both DF Drumm and NV-ENV and has been submitted to NDEP, State Lands, USACE Regulatory and USACE Flood (as an attachment to the Semi-Annual Inspection Report). All work was completed in compliance with the permit conditions.

Tri Sage completed the Semi Annual USACE Inspection as required under the Martis Creek Agreement and prepared the Semi-Annual Inspection Report which has been submitted to the USACE Flood Branch and copied to this Board. There were no additional findings during this inspection and the river was clear of debris to start the flood season.

During this period, Tri Sage prepared an application to NV Division of State Lands requesting a 5 year renewal of the authorization for the right of entry into the Truckee River for general maintenance work including debris removal work. The prior 5year authorization expired December 31, 2018. State Lands has acknowledged receipt of this application; however, the agency is currently not fully staffed and thus the application is waiting review. Should an emergency need arise to work in the river, the District will notify the State of this need and gain temporary verbal authorization. This type of authorization was discussed with State Lands during the review of SB47 as a possible solution for the conservation and irrigation districts who from time to time need to maintain structure on the rivers as this 5 year

authorization would allow implementation of maintenance work for many years with a single application.

Tri Sage has continued to work between the NDOT Spaghetti Bowl Project team and USACE for the 408 Permit for this project. NDOT submitted additional information to the District for the engineer to review which included survey data, model updates and a technical summary document; this information was complete and answered the questions generated from the initial application. Tri Sage expects to be able to recommend approval of this permit for the Spaghetti Bowl Project at the February meeting. NDOT would like to construct the new bridge in 2019 if they can get all permits in hand including authorization of the 408 Permit by the USACE Flood Branch.

During this period a potential project along the river at Idlewild Drive was discussed with the property owner and the landscaping company. The landscaper was seeking clarification as to where work can and cannot be completed on this property without needing a 408 Permit.

During this period, Tri Sage has once again emailed to follow up with the State DEM regarding the FEMA Grant Award CTWC A04 for work completed at last fall; DEM has not yet responded to this inquiry at this report writing. During December, DEM requested the District execute completion documents for all projects and stated that these agreements would allow funds to be released; documents were submitted. The amount of the pending award is \$52,162.50.

The City of Reno is preparing to initiate Phase I of the Flap-Gate installation project. This project will generally install inline check valves at penetrations into the flow channel along the Truckee River walls downtown with installations beginning in 2019. This project was initiated to address the USACE inspection issue; this project was delayed due to high flows and funding needs to deal with the 2017 Flood projects.

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.