



TRI SAGE CONSULTING
Monthly Report
Carson Truckee Water Conservancy District

March 1, 2019

MONTHLY ACTIVITIES- February 2019

- 1) NDOT Spaghetti Bowl Improvements –Meet with potential NDOT project Design Build Contractors to discuss permitting and impacts of changes to the project approach, as well as work periods and flood season limitations.
- 2) NDOT Spaghetti Bowl Improvements- notify USACE of District approval and draft permit for project; emails with USACE regarding outstanding NEPA items.
- 3) Email City of Reno Building Department for CTWCD no permit required for Idlewild Property owner project and 408 Permit requirements for work within the flood channel.
- 4) Follow up with NV Division of Emergency Management regarding the outstanding FEMA Grant for 2017 Flood Repairs; no response from emails or voicemails at this writing.
- 5) Monitor river for trees and debris in channel following storm events.
- 6) Meet with City of Reno regarding flood preparedness and Flood Response Plan, channel projects, model updates and permit applications.
- 7) Update RSIC Right of Entry Agreement and coordinate approvals with RSIC to renew this permit through December 2020.

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) Draft and mail letters to home owners along Idlewild Drive notifying them of encroachment requirements and limitations.
- 3) 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.
- 4) Communicate changes to the 408 Permit process with likely applicants including the City, and utilities; update on Categorical Permission review once in place.
- 5) 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.

- 6) Work with the City of Reno to pursue a permanent encroachment permit for the West Street Plaza and any associated projects.
- 7) 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.
- 8) 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.
- 9) 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.
- 10) Finalize the Equipment Access/Entry Point Documentation and Mapping for the District Jurisdiction;

SUMMARY REPORT

During this period, Tri Sage attended a workshop with NDOT and potential Design Build Contractors for the Spaghetti Bowl Xpress project. Contractors were able to ask questions about the 408 Permitting process, timing for this permit to be issued, limited work periods in the river channel and other related topics. NDOT expects to issue a contract to one contractor for this project in July and needs to have the 408 Permit in hand in July. Tri Sage notified the USACE that the Board of Directors has now approved this project and has requested a timeline for the USACE Authorization. In addition, any outstanding information needs were requested so that that NDOT could prepare a response. NDOT still needs to provide NV SHPO concurrence letter and findings as well as tribal consultation documentation to comply with the USACE NEPA review requirements. USACE has not responded as to the timeline for technical and hydraulic review by their office. Tri Sage also drafted a Permit for this project and sent such to the USACE for review and edit; USACE has responded that the permit will have several additions because they expect to approve this project under the new Categorical Permission process which allows for bridge construction as a permissible project. Finally, Tri Sage has suggested a meeting with USACE technical staff to move this project forward so that once the FHWA EIS is finalized the project can be sent for administrative review. As a reminder, the internal Administrative review has a 30 day period. In order to meet the needed July timeframe for the permit, the technical and NEPA reviews must be completed by early June and the internal Administrative review must be initiated in early June.

During this period a potential project along the river at Idlewild Drive was discussed with the property owner and the landscaping company and Tri Sage emailed the City of Reno Building Department that no 408 Permit is required for this project as presented. The City is now requiring the property owner to get an engineered review of no-rise in the FEMA Zone AE flood plain.

During this period, Tri Sage has left two voicemails to follow up the email sent last month to the State DEM regarding the FEMA Grant Award CTWC A04 for work completed at last fall; DEM has not yet responded to these inquiries 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.

As the winter storms with high winds have swept through the area, Tri Sage has spot surveyed the river channel to see if any notable debris or trees have gone down in the channel. To date no items have been identified for removal.

Tri Sage was notified by RSIC that our entry agreement has expired as of December 31, 2018. Tri Sage has updated the agreement dates and parcels and submitted this to the RSIC for Tribal Council Approvals to renew this agreement through December 31, 2020.

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.