



TRI SAGE CONSULTING
Monthly Report
Carson Truckee Water Conservancy District

November 1, 2017

MONTHLY ACTIVITIES- October

- 1) Continue efforts with DEM to finalize Grant Award for Project CTWCA04; awaiting approval of time extension and grant award verification.
- 2) Respond to DEM requests regarding quarterly reporting and reimbursement requests for projects CTWCA01-A03.
- 3) Meet with property owners at Chism/River West Resort and contractor working to restore river bank; document the completed work and submit restoration photos to USACE.
- 4) Calls with NDOT engineer regarding Verdi Bridge Scour application and request missing studies referenced in application; discuss river flows and dewatering related to channel capacity.
- 5) Draft letter to USACE regarding Categorical Permission process and inclusion of the District in review process.
- 6) Call with USACE Flood regarding Categorical Permissions status, schedule & process.
- 7) Begin effort to update the 14,000cfs flow model near the Spaghetti Bowl NDOT project reach.
- 8) Monitor City of Reno work to remove sediment in Kayak Park; completed with excellence.
- 9) Review project and issue a No Permit Required email to City of Reno for flood restoration/erosion protection work at Oxbow Park; monitor work.

UPCOMING ACTIVITIES

- 1) Complete FEMA quarterly reporting for CTWCA04 Grant Award and request reimbursement once DEM clarifies Grant requirements and extends grant period.
- 2) Assemble and submit final costs, invoices, project details, photos etc to NV DEM for reimbursement of flood related work final project.
- 3) Complete pre-flood season river inspection for USACE Semi- Annual reporting and possible end of 2017 debris removal needs.
- 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) Continue working with project proponents for encroachment permit applications for City of Reno Stoker Storm Drain Addition, USFWS fish passage and NDOT Verdi Bridge Scour Projects.
- 7) 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.
- 8) Work with the City of Reno to pursue a permanent encroachment permit for the West Street Plaza and any associated projects.
- 9) 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.
- 10) 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.
- 11) 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 project.
- 12) Finalize the Equipment Access/Entry Point Documentation and Mapping for the District Jurisdiction;

SUMMARY REPORT

Tri Sage has emailed twice and called NV DEM staff to resolve the final CTWCA04 project and associated Grant Award for this work. The District is waiting confirmation from the Project Change Request submitted to DEM in September requesting an extension of the grant period. In addition, the District has submitted some preliminary contract information to the DEM looking for confirmation as to the Grant Award amount and the ability to shift dollar estimates between categories and sites. Until this information is approved and confirmed by DEM, the District is not able to file the quarterly reports for this project and is unable to submit all the pertinent documents for reimbursement. Tri Sage will request a meeting with Staff to discuss the response needs if there is no response/confirmation in the coming week.

The City of Reno initiated the flood sediment removals from the Kayak Park at Wingfield Park on October 9, 2017 clearing the south channel first and then moving to the north channel with completion of the work during the last week of October. The City workers did a great job removing the maximum amount of deposits from all side of both channels to clear the flood channel and restore the 14,000cfs flow capacity in preparation for possible high flows this winter. The City was able to work in the continued lower/normal river flows during this work.

The City of Reno is planning some flood restoration work at the Oxbow Park; much of this park is within the 14,000cfs flood channel. The City engineer has provided general requirements for this work which generally includes the removal of flood deposits and the restoration of eroded areas using pre-flood materials. An email was issued to the City confirming that this work can be performed under the Martis Agreement as maintenance work within specific conditions of restoration and no additional fill or restriction of the flood channel through this work.

Tri Sage has drafted a letter requesting inclusion of the District in the review process for the 408 Permit Categorical Permissions. In addition, Tri Sage has discussed the timing and process development for this review process. The USACE was hoping to have this process in place by year end; however, critical USACE staffs have been deployed to the fires in CA and thus it is now expected that this review process will be in place in the spring of 2018. The USACE team has been in discussion regarding the review process and key triggers for projects being able to be reviewed under this Permission rather than the full, time consuming process. The USACE is working to have signing authorities for this process at lesser levels and to have much of the administrative reviews in place for project that qualify for this review. They are currently working to build this permit with a general NEPA Environmental Assessment that can be used for these projects generally; however, projects requiring a Section 7 Consultation or a Historic or Cultural report will likely not be able to be handled in this forum. USACE expects this Permission to be a step in a positive direction to improving the 408 Permitting process and timeline.

Tri Sage has been working with NDOT to update the submittals for their 408 Permit application with corrected information and study documents referenced in the application. Once these studies are provided the District will complete review of this project. This project is expected to be far down in the queue at the USACE for review and we have requested a status on where this lies in the queue.

Work has begun on the 14,000cfs model development for the Kietzke to Glendale section of the river that is needed for the “Spaghetti Bowl” project reviews. The modeling engineer has built the model and is currently working to integrate this section into the base model and to calibrate the new section based on known flows. The additional modeling needs discussed at the July Board meeting have not been dealt with as of yet due to other more pressing needs with the District (and a vacation). At that meeting of the Board, Tri Sage was directed to go out to the project proponents and impacted agencies and see if these parties are willing to contribute to the development of the flow model in areas that impact their jurisdictions. This will be done later this year when time permits.

The City of Reno is continuing with their review of the Flap-Gate requirements in order to address the USACE inspection issue; the city has engaged an engineering firm to design the flap-gates for installation at several locations and will pursue permitting and installations in the coming year. This project may be placed on hold due to high river flows and funding limitations following the flood.

The City is evaluating alternatives for the West Street Plaza interim risk reduction measures to be incorporated into the City’s Flood Response Plan while the City works with a potential developer who is

interested in the West Street Plaza. The City is working toward an application for a permanent encroachment permit for this project pending the outcome of work with the potential developer.

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.