



**TRI SAGE CONSULTING**  
**Monthly Report**  
**Carson Truckee Water Conservancy District**

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December 1, 2018

**MONTHLY ACTIVITIES- November**

- 1) Monitor debris removal work completed by DF Drumm Inc.
- 2) Prepare agreement for NV-ENV Debris removal work on the river; work was delayed due to winter storms and is scheduled to begin December 3<sup>rd</sup> weather permitting.
- 3) Met with State Lands and owner's contractor on site at 3 Elm Court to discuss river wall repairs; Reviewed model for 14,000cfs flow channel.
- 4) NDOT Spaghetti Bowl Improvements – USACE comment period closed with only clarifying comments from State of Nevada agencies regarding possible permits needed. NDOT has not yet submitted the additional model, survey and summary information for the District's review.
- 5) Discuss possible construction projects at Oxbow Park and possible encroachment permit requirements.

**UPCOMING ACTIVITIES**

- 1) Monitor debris removal work to be completed by NV-ENV;
- 2) Report to agencies regarding debris removal work by both contractors;
- 3) 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.
- 4) Renew the Nevada Division of State Lands Entry License for the Truckee River which expires December 31, 2018; The District will want the new agreement in place for 2019 removal needs.
- 5) Draft and mail letters to home owners along Idlewild Drive notifying them of encroachment requirements and limitations.
- 6) 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.
- 7) Communicate changes to the 408 Permit process with likely applicants including the City, and utilities; update on Categorical Permission review once in place.
- 8) 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.

- 9) Work with the City of Reno to pursue a permanent encroachment permit for the West Street Plaza and any associated projects.
- 10) 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.
- 11) 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.
- 12) 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.
- 13) Finalize the Equipment Access/Entry Point Documentation and Mapping for the District Jurisdiction;

## **SUMMARY REPORT**

Tri Sage has drafted a Service Agreement with NV-ENV for the removal of river debris not to exceed \$25,000 as directed by the Board. Tri Sage has also drafted a scope of work document for the contract which has photos and access information for each area where debris is to be removed and has field walked with this Contractor the high priority debris identified in this scope of work. Tri Sage has continued to pursue right of entry approvals from land owners. Work in this Phase 2 Debris Removal with NV-Env was delayed due to weather and is scheduled to start on Monday December 3rd, 2018 weather permitting. Tri Sage will monitor this Phase 2 work and draft the reporting for permit agencies.

Tri Sage has continued to work between the NDOT Spaghetti Bowl Project team and USACE for the 408 Permit for this project. The notice of the project issued by the USACE from their NEPA group has received minimal comment; only comments from Nevada State agencies alerting the applicant to possible permits required for the work. NDOT owes some additional information to the District for the engineer to review which includes survey data, model updates and a technical summary document; this information has not yet been submitted by NDOT. NDOT would like to construct the new bridge in 2019 if they can get all permits in hand.

During this period a potential project along the river downtown by Wingfield park at 3 Elm Court was reviewed on site with the Nevada State Lands and the owner's contractor. The owner would like to upgrade the wall along his property that is in and adjacent to the river because he believes the wall is being undermined. The contractor was told which permits would be required and that the upgrade would be subject to a USACE 408 Encroachment Permit. A 408 Application Form was emailed to the contractor. A portion of the existing wall at this property appears to be an unauthorized encroachment as we could find no record in the office files of a permit for upgrades to made to the original wall.

During this period, Tri Sage has followed 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. Last month DEM stated that our award is undergoing second level review. We have had only one inquiry to date regarding audited financial reports for the District. 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.