

CARSON TRUCKEE WATER CONSERVANCY DISTRICT

Board Meeting
August 12, 2014

DIRECTORS:

Todd Westergard
Karen Baggett
John Capurro
Ed James
Ron Penrose
Chuck Roberts
Ernie Schank
Greg Dennis

ABSENT:

Gwen Washburn
Mike Nevin

GUESTS:

Leo Bergin, Attorney
Lori Williams, Engineer
Chad Blanchard, FWM
Danielle Henderson, TRFMA
Jamie Souza, KTMB
Drew Rolley, KTMB
Bodie Monroe, KTMB

1. DETERMINATION OF QUORUM -

President Westergard called the Regular Meeting to order at 10:06 a.m.

2. PUBLIC COMMENT - None

3. APPROVAL OF MINUTES AND CHECKS WRITTEN –

Director Capurro made a motion to approve the minutes for June and checks written on Bank of America #9213 - #9225 and Nevada State Bank #2512 - #2528, motion seconded by Director Penrose, motion carried.

4. FEDERAL WATERMASTER'S REPORT – Chad Blanchard, FWM

Chad presented the Water Report a copy of which is available at District Offices.

Floriston Rates ran out on July 30, 2014. Tahoe should reach the natural rim in early late September or early October.

5. Update on Virginia Street Bridge 408 Encroachment Permit

See Engineer/Consultant Report

6. Discuss Status of USACE Inspection, related including SWIF application & action plan

See Engineer/Consultant Report

7. Discuss and approve working with TRMFA to pursue LIDAR aerial survey of the river channel while flows are reduced –

Lori Williams and Ron Penrose spoke with Jay Aldean, Eric Sheets and their contractor consultant HDR about the idea if the River Flows are going to subside in September/October it may be a unique opportunity to collect some aerial survey photos. A quote is being obtained for them to do the section from Mayberry downstream and we may want to contribute and do upriver. This data would then be translated into the model and CTWCD could have that model.

This item will be placed on next month's agenda with the exact costs and a determination of exactly which method will be used for the surveying and at this time the board can vote to contribute to the cost.

8. Discuss Keep Truckee Meadows Adopt-A-River possible sponsorship –

Jamie Souza, Keep Truckee Meadows Beautiful (KTMB) presented to the board the Adopt-A-River sponsorship program. KTMB has been in the area for 25 years and works on beautification of the rivers and is a 501C organization. KTMB is looking for support for the Adopt-A-River program.

Director Schank made a motion that CTWCD endorse KTMB, our endorsement be written by our legal counsel and we also ask counsel to look at any kind of documentation sent to CTWCD as to in-kind and he advise the board on that and if that works out Gwyn (staff) be authorized to fill out information for KTMB. Seconded by Director Roberts; motion carried.

9. ENGINEER/CONSULTANT REPORT - Lori Williams

A complete copy of the Engineer's Report is available at the District Offices or on the CTWCD website. Below is a summary of the report:

River flows have dropped as of July 29th and 30th when rate water was exhausted for supply to the river flows and the only waters entering the river are from the rim controlled Lake Tahoe and minor creek flows. The river flow is expected to continue to drop as Lake Tahoe levels drop toward the rim. CTWCD met with the TRFMA regarding the possibility of getting some aerial survey data for the river modeling during this low flow time. TRFMA is pursuing cost estimates for this work and CTWCD may be able to participate in some funding of this work in order to get some upstream survey data for river modeling that is within the CTWCD jurisdiction but outside the TRFMA jurisdiction. This is a unique opportunity with the river flows expected to be so low this fall.

The USACE has agreed to modifications to the Virginia Street Bridge encroachment permit with the allowance that the City can work within the channel from November to June with written authorization from the CTWCD Board. This condition is acceptable to the CTWCD as all other permit conditions are in place to insure the channel is cleared during an event of 8000cfs or more, that the 14,000cfs capacity of the channel is always maintained, and that the City is responsible for all potential issues. The permit has been revised to incorporate this USACE modified provision and has been executed by both the CTWCD and the City of Reno. The final permit execution by the USACE is waiting closure on some 404 Permit issues with the City and the USACE Regulatory Branch. Currently the schedule for Virginia Street Bridge construction will be for a start of work in 2015 as soon as river conditions permit.

Since the May 2014 monthly report, no further discussion has been had with the USACE regarding the determination of "Floodwalls" versus "Channel walls" through the downtown Reno river corridor; however this is an issue that will be pursued for some resolution as it impacts other inspection issues as noted below.

The Status of USACE inspection issues are noted below and the status remains unchanged since July's Monthly report except for the noted change in the river flow reduction from July to the current timeframe of mid-August:

- 1) Shoaling- the shoaling deposits identified by USACE have been included in the recent modeling and at the current stage are NOT impacting the 14,000cfs flow. The USACE requested sensitivity analyses have been performed and indicate that doubling the size of the shoaling deposits does NOT push the waters out of the banks in any of the four areas identified during the

inspection. There is a new area of possible shoaling identified downstream of Keystone Avenue Bridge that may be the cause of 14,000cfs flows leaving the banks along Riverside Drive; this area will be surveyed(probably once river flows drop out in mid-August) and deposits evaluated to get data for further evaluation in the model.

- 2) Flap-gates- Now that we have model water surface elevations in the downtown areas, the City of Reno will evaluate each penetration relative to the water surface elevation at 14,000cfs. Once we have the model updated and run at the reaches upstream and downstream of the downtown areas to produce water surface elevation data, the City of Reno will continue their evaluation on the storm-drain penetrations into the channel.
- 3) Vegetation- vegetation along the walls and growing from the walls was removed by the City of Reno as part of the 2013 Debris Removal Project; however during the inspection it was noted that vegetation is developing again. This will be cut back as part of the 2014 project work. Potential determination of the walls as channel walls, not floodwalls means that there is no “vegetation free zone” requirement and other than the short section that the USACE might determine to be floodwalls, vegetation may become a moot point once specific determination is confirmed.
- 4) Idlewild Box Culvert/Bank Erosion- the model needs to be evaluated and updated in this section; additional survey data (which will be collected in mid-August after the River flows drop) is required as the model *contains* minimal cross-sections in this reach. Once the model is updated with additional survey data, it will be run to determine the impact of the box and the need for removal. It is anticipated that this box will need to be removed to reduce the erosion of the Idlewild Drive bank. USACE is awaiting evaluation results and proposed solutions for this reach.
- 5) Flood Response- It appears from the current modeling that the 14,000cfs water surface elevation is below the horizontal surface in all areas downtown except for the West Street Plaza area. There was no approved encroachment by the USACE or the CTWCD for this project including the removal of the walls and railings along this section of river. The USACE has requested that the CTWCD work with the City of Reno to propose Interim Risk Reduction Measures that can be reviewed and approved by the USACE and incorporated into the City’s Flood Response Plan. It is not clear at this writing what the requirements will be relative to the placement of plywood along the railings and walls as called for in the Martis Creek Agreement now that it is apparent from the modeling that the 14,000cfs flow is below the top of wall and below the horizontal surface in all sections except the West Street Plaza.

Next steps include the evaluation and running of the model in reaches above and below the Keystone to Lake Street areas for the determination of water surface elevations. Additional survey data will be collected, once river flows drop in mid-August, at the sections below the Keystone Avenue Bridge where the water leaves the channel at 14,000cfs and at the Idlewild box culvert as well as other sections where the modeling efforts may require additional sections. The modelers will analyze the box culvert and also perform sensitivity on the shoaling areas to determine if and when these areas will become problematic to the flow. The City of Reno will work to address the flap-gate needs as well as the Interim Risk Reduction Measures for the West Street Plaza. At this time it is anticipated that work may need to be done to remove deposits in the river near Keystone Avenue and to remove the box culvert at Idlewild Drive. The exact requirements of these potential projects are still under evaluation.

The City of Reno has begun vegetation removal work in the channel in the shoaling upstream of Arlington Bridge and along the ditch intake downstream of Arlington. Modeling indicates that removal of vegetation from shoaling improve the channel capacity. Reno will also be removing some vegetation and possibly some tree debris behind the Riverfront Condos on Idlewild drive. Work continues by Tri Sage to identify debris that should be removed during 2014 prior to the

winter flows. It is anticipated that this requirement will be substantially less than the project completed in late 2013.

10. LEGAL COUNSEL REPORT – Leo Bergin

Nothing to report

11. Secretary/Treasurers Report – Gwyn Bergin

Nothing to report

12. PUBLIC COMMENT - None

13. BOARD COMMENTS and/or REQUEST FOR AGENDA ITEMS –

- Director Dennis – When we consider the Lidar we need to keep in mind the budget and the scope of the work and how it coincides with our responsibilities.
- Director Bagget – When is the presentation by Director James (CWSD) – this will be on next month’s agenda. Director Bagget requested clarification of part of the Water Master’s daily worksheet which was provided by Mr. Blanchard with regards to Fish & AG Water and Claims 1 & 2.
- Director Westergard – The Dept. of Taxation is still working on getting a presentation together to bring to the Board.

14. ADJOURNMENT -

There being no further business, President Westergard asked for a motion to adjourn the meeting. Director -Schank moved to adjourn, Director Capurro, seconded said motion; motion carried. Meeting adjourned at 11:41 a.m.

** The next regular meeting will be held Tuesday September 9, 2014 at 10:00 a.m. **

Todd Westergard,
President

Gwyn S. Bergin,
Secretary/Treasurer