



THREE RIVERS LEVEE IMPROVEMENT AUTHORITY

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Project Status Report dated April 4, 2008

(Submitted to The Central Valley Flood Protection Board for the April 18, 2008 meeting)

A progress report of the various phases of the Three Rivers Levee Improvement Authority (TRLIA) project is provided in the followings sections of this document. Updates are indicated with italics and underline.

1. Funding Update:

- a) The landowners have decided that they cannot provide funding for the Feather setback levee at this time. TRLIA immediately began working with the Yuba County Water Agency (YCWA) and Yuba County to provide the additional funds that the landowners would have contributed. YCWA and Yuba County have agreed to provide additional funding. A local property owner and RD784 have also contributed funding to achieve the local share amount necessary for the Prop 1E funding agreement. TRLIA has provided the revised financial documents to DWR reflecting this new local funding arrangement.

TRLIA is preparing and will submit a memo to the CVFPB at the May 2008 meeting that will describe the proposed changes, if any, that are needed in the TRLIA 2nd Implementation Agreement and TRLIA's relationship with the CVFPB.

- b) DWR and TRLIA are nearing completion of the EIP funding agreement. This delay in funding has caused a significant challenge to our schedule especially in regards to acquiring the land needed to build the new levee on. Once we receive confirmation of our Proposition 1E award, we will be in a better position to brief you on the schedule implications from the delay in State funding.

2. Levee Design and Construction Work:

- a. **Phase 2 Levee Repair - Bear River Station 131 and easterly, Western Pacific Interceptor Canal and Yuba River from just east of Highway 70 to the Union Pacific Railroad:**
- 1) The State Reclamation Board staff is still processing the encroachment permit application submitted March 5, 2007 for the Caltrans retention basin as requested at the February 2007 Reclamation Board meeting. TRLIA completed the action requested by the Reclamation Board. Work on this feature is complete and this

reach of levee returned to Reclamation District 784 for maintenance. TRLIA considers this item to have been adequately addressed and will remove it from the status report.

- 2) TRLIA committed to the Corps of Engineers to conduct a field investigation and properly abandon, if required, the CMP located under the WPIC levee near Sta. 264+60. This work was planned to be completed jointly by TRLIA and RD 784 as normal maintenance no later than November 1, 2007. Environmental clearances were obtained to do this work. Negotiations with the landside landowner for right-of-entry along the toe of the levee were not successful. TRLIA was not able to meet its commitment to the Corps to locate this culvert by November 1, 2007. TRLIA has determined that for maintenance purposes and to clear up title to the land on which the levee was constructed, TRLIA must purchase the land under the levee, a waterside toe access corridor, and the landside strip of land between the levee and Highway 70. TRLIA is preparing to appraise the land under consideration as the first step in making an offer to the landowner. Acquisition of this land will also allow TRLIA to meet its commitment to the Corps. Acquisition of this land will be a joint venture between Reclamation District 784 and TRLIA. This item will now be considered a routine O&M item and not be reported on further in the TRLIA monthly updates.

- 3) This same landside landowner (see 1a2) constructed a fence across the WPIC levee that was not in place at the time TRLIA initiated the projects. This fence has not been permitted by the Reclamation Board. TRLIA understands that the property owner and the CVFPB staff have come to an agreement on the encroachment permit (i.e. the property will apply for the permit). Thus this item will be removed from TRLIA's monthly status report.

Under this item it has been reported that the property owners cows were grazing on the levee during wet weather, which created damage that will have to be repaired. TRLIA and RD784 are assessing the extent of damage and the repair required. Reclamation District 784 and TRLIA will repair the damage this summer and will also request reimbursement from the landowner allowed the cattle to damage the levee. This item will now be considered a routine O&M item and not be reported on further in the TRLIA monthly updates.

b. Phase 4 – Yuba River Levee between the Union Pacific Railroad and the Goldfields:

- 1) Design on the erosion problem that exists just downstream of the Goldfields has been placed on hold until agreement on the water surface profiles along this reach of the levee can be reached with the Corps of Engineers. TRLIA provided information to the Corps on river profiles assuming no training levee along the Yuba River. The Corps was to evaluate discharges from the Yuba Goldfields, but have not completed this task. Due to Corps resource constraints, TRLIA is in the process of accomplishing this analysis to determine the most likely profile along this reach of Yuba levee. When this effort is complete, TRLIA will coordinate with the Corps and DWR to determine the most likely profile to use for levee

evaluation and design of any needed repair measures. TRLIA expects to complete the hydraulic analysis and Corps coordination by the end of April 2008.

c. Phase 4 – Feather River Levee between Bear and Yuba Rivers:

1) Segment 1 & 3:

- a) Segment 1: The encroachment permit for this work was approved at the June 8, 2007 special Reclamation Board meeting. Once the Prop 1E funding agreement is executed TRLIA plans to award the contract to improve this portion of the Feather River levee. Award of the contract is anticipated to be in the May/June timeframe. Several variations to the original design are being proposed due to the phased construction decision on Segment 2 and also because of recent observations in the field. These variations were described to the CVFPB staff in letters sent in early April:
- a. The Waterside slurry wall at the north end of Segment 1 must be shortened to accommodate the revised tie-in to the setback levee.
 - b. The waterside impervious blanket in a 1,000 foot reach is proposed to be extended to repair two sinkholes discovered at the waterside toe of the levee in the Fall of 2007.
 - c. Updated hydraulic analysis requires raising of the levee at the north end of Segment 1 to provide 3 feet of freeboard above the 200-year profile. This levee raising will not violate Special Condition 22 of Encroachment Permit 18170 BD
- b) Segment 3: The encroachment permit for this work was approved at the June 8, 2007 special Reclamation Board meeting. In 2007 TRLIA issued an initial Notice to Proceed for \$2.6 million of Segment 3 improvements. TRLIA plans on issuing the Notice to Proceed for the remaining Segment 3 improvements (except for the 2007 trench collapse area) in April or May once the State funding agreement is signed.

TRLIA has requested the CVFPB approve a seepage berm as the permanent fix for the Segment 3 trench failure that occurred in 2007. This request is contained in a TRLIA letter that was sent to the CVFPB in early April 2008. This modification will be completely coordinated with the staff and will not be initiated until approval from the CVFPB is obtained.

2) Segment 2:

- a) The phased construction (Part A and B) encroachment permit for Segment 2 was issued on April 7, 2008.
- b) TRLIA has resolved all comments from the Corps and is revising the contract documents. TRLIA plans to issue the “Issued for Construction” plans and specifications and final addendum to the design documents by mid April. TRLIA plans to award (early to mid May) portions if not all Part A elements of the Segment 2 encroachment permit once funding is available from Prop 1E. The delay in State Prop 1E/84 funding has impacted the schedule for land acquisition for segment 2 and the overall schedule. TRLIA has requested

Teichert Construction to provide new pricing for the foundation and embankment schedules of the contract considering the delay in schedule and real estate acquisition

- c) Corps HQ has directed that Section 408 approval be obtained before any Section 404 permits are issued for the setback levee construction. The Corps has determined that an EIS is required to support the Section 404 and 408 approvals. TRLIA is working with the Corps to prepare and process an EIS. The schedule to complete this process and sign a Record of Decision (ROD) is September 20 to October 19, 2008 although TRLIA believes that certain efficiencies can result in a ROD being issued one to two months earlier. The Draft EIS has been submitted to the Corps and is under review. TRLIA continues to work with the Corps to expedite the EIS approval process as much as possible.

3. Levee utility crossings to meet current Corps and State of California Criteria:

TRLIA continues to work on updating utility crossings as a condition of certification from the Corp of Engineers. The following actions continue to be taken:

- a) Missing crossing markers at the utilities are being investigated and will be replaced as needed. Missing utility markers have been identified. Letters were sent to Sprint and AT&T asking them to field mark their utilities. Additional contacts have been made with the utilities to emphasize the importance of getting these crossings marked. AT&T and Sprint have agreed to mark their utilities. TRLIA will follow up to be certain that this does take place.
- b) Qwest crossing markers were found in the field but no record of this crossing is in the levee log. Qwest has supplied information on this utility crossing that is located in the UPRR right of way. This crossing is below the 100 year and 1957 design water surface elevation. Qwest did not obtain an encroachment permit for this crossing. Coordination with the Corps has determined that they would like to see the crossing invert raised above the flood design elevation. This information has been provided to the CVFPB staff. CVFPB Staff is considering what action to take considering all the other actions that are being processed with their limited resources. TRLIA has taken all actions it can on this item, thus this item will be removed from TRLIA's monthly status report.

4. Building Permits Issued in Plumas Lake Specific Plan Area and North Arboga Study Area in 2007:

- a) The attached table and graph provides information related to residential building permits issued for the Plumas Lake Plan Area (PLSPA) and the North Arboga Study Area (NASA) within Yuba County in 2008.
- b) As shown in the table, a total of 5 building permits have so far been issued in 2008. One permit was issued in March of 2008.