



THREE RIVERS LEVEE IMPROVEMENT AUTHORITY

1114 Yuba Street, Suite 218
Marysville, CA 95901
(530) 749-7841 Fax (530) 749-6990

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Project Status Report dated January 4, 2008

(Submitted to The Central Valley Flood Protection Board for the February 15, 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. 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 detention basin as approved at the February 2007 Reclamation Board meeting. There is no change to this item since the last TRLIA 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 planed 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 will not be able to meet it's commitment to the Corps to attempt to locate this culvert by November 1 of this year. TRLIA will take any necessary actions in 2008 to obtain the needed right of entry so that it can meet its commitment next year. There is no change to this item since the last TRLIA report.
- 3) This same landside landowner (see 1a2) has 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. A member of the Reclamation Board has volunteered to help TRLIA resolve differences with this landowner. RD 784 has reported to TRLIA that cows grazing on the levee behind these fences are damaging the levee surface due to the winter wet soil conditions. TRLIA has contacted the landowner (attorney to attorney) to have the cows moved off the levee during the wet season. The cows are currently not on the levee and are prevented from accessing the levee by high water in the WPIC. The levees will

have to assessed to determine repairs required due to damage from the cattle during the wet weather.

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 and the Corps have met to discuss hydraulic modeling differences. TRLIA has agreed to investigate several different assumptions with respect to flow from the Goldfields and the Corps will evaluate other assumptions with respect to flows from the Yuba River. Erosion occurred in this area during the 1997 event. There is no change to this item since the last TRLIA report.

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

1) Segment 1 & 3:

- a) Construction bids for TRLIA Segments 1 and 3 have been opened. Bids were below the Engineer's Estimate. The encroachment permit for this work was approved at the June 8 special Reclamation Board meeting. TRLIA issued an initial Notice to Proceed for \$2.6 million (combination of Landowner and TRLIA funding) of Segment 3 construction. Late notification of potential additional funding from Propositions 1E and 84 did not allow additional construction during this construction season. The remainder of Segment 3 and Segment 1 will be constructed in 2008. As reported during the October Reclamation Board TRLIA monthly update, on October 4 it became apparent that portions of the trench wall had collapsed into the slurry wall trench that was under construction. Excavation was terminated and placement of the slurry wall initiated. Because of concerns of how well the trench may have filled, TRLIA has constructed a reinforcement berm in this reach while a final repair for this area is determined during the winter. This incident and the proposed temporary repair were coordinated with Reclamation Board staff and the existing encroachment permit (No. 18170 BD) was modified to encompass this change. Construction of the Segment 3 portion that received the notice to proceed, including the reinforcement berm, was completed. The completed levee work is being inspected for erosion damage during winter rains and erosion prevention measures are being maintained as a routine operations and maintenance activity. There were no problems during the recent weather storms.

2) Segment 2:

- a) Design and land acquisition for the setback levee continues. On 27 July 2007 TRLIA issued 60% design drawing and specifications to DWR, Corp of Engineers, and Reclamation Board Staff for review and comment. On 10 August 2007 TRLIA conducted an onboard technical review of the plans and specification at which DWR, Corp of Engineers, and Reclamation Board staffs were in attendance. Topics such as levee alignment and geotechnical information were discussed and evaluated. TRLIA has received comments

from DWR and the Corps of Engineers. TRLIA distributed responses to all comments on October 15, 2007. TRLIA met with DWR and the Corps on November 19 to discuss comment resolution. That meeting focused on comments and responses pertaining to the proposed alignment north of Plumas Avenue and revisions on the Rice property. Other information pertaining to the issues raised in the Reclamation Board November 16 staff report were also discussed. TRLIA supplied a white paper to DWR and the Corps on November 30 describing how the northern alignment was selected, the engineering properties of the northern alignment and the impacts of moving the alignment more to the east. DWR and the Corps have informed TRLIA that they are satisfied with the current alignment as proposed and that they see no problems with the proposed minor alignment revisions on the Rice property. Acceptance of the current alignment and this revision allows TRLIA to complete acquisition negotiations with the Rice Family. TRLIA delivered additional design information to DWR and the Corps on December 3, 2007 to further address the issues raised in the staff report. TRLIA believes the recent submittal provides adequate information to address the design issues raised at the last Reclamation Board meeting and will continue to meet with DWR and the Corps to complete final design details for the setback levee. TRLIA held a meeting on December 19, 2007 to discuss the most recent additional design analysis information. DWR did attend but the Corps and Reclamation Board staff could not attend. DWR agreed that the most recent information addressed most of their comments. The "Issued for Approval" design documents and plans and specifications were completed and delivered January 31. TRLIA will hold a Board of Senior Consultants Meeting on February 19. The Corps, DWR, and Board staff will be invited to also attend this meeting to hopefully identify and resolve any remaining design issues.

- b) TRLIA advertised the construction contract for Segment 2 on August 15, 2007. TRLIA opened bids for this contract on October 12. The apparent responsible low bidder was Teichert Construction. Award of Schedule A (Contractor involvement in design finalization) was approved by the TRLIA Board on October 30. TRLIA plans to award Schedules B thru E once funding is available from Prop 1E, necessary authorizations are received, and weather indicates that construction can begin. The delay in State Prop 1E/84 funding has impacted the schedule for land acquisition for segment 2 and the overall schedule. Even with these delays, if Corps of Engineers Section 408 approval is provided in a timely fashion and if the winter is a dry one, TRLIA is confident that it can complete construction of the setback levee in 2008. Under schedule A TRLIA continues to meet with Teichert Construction in order to obtain and incorporate its construction expertise into the final plans.
- c) Corps HQ has directed that Section 408 approval be obtained before any Section 404 permits are issued for the setback levee construction. The Board approved letting the General Manager send the Corps a Section 408 request once the Corps determined that adequate information is available to make the request. TRLIA has submitted a Summary Report in support of the Section 408 request and a Draft EA for the setback levee to the Corps and Reclamation Board for their early review. In December 2007 the General Manager sent the 408 request letter to the Corp. TRLIA is working with the

Corps to address its comments on the EA and 408 Summary Report. TRLIA anticipates that the Corp will forward the 408 request to Headquarters by February 2008. Timely approval by the Corps is needed to maintain TRLIA's construction schedule. TRLIA has supplied a revised EA to the Corps and will meet with them on February 6th to discuss the adequacy of the NEPA documentation.

- d) At the December 2007 Reclamation Board meeting the Reclamation Board authorized the General Manager to provide an encroachment permit for the setback levee once the final plans have been reviewed and approved. The final plans were submitted at the end of January, so hopefully the encroachment permit will be issued by mid February. During the December Reclamation Board meeting the Board staff were asked to place a draft of the proposed encroachment permit on the web for public review. TRLIA understands that this posting of the draft permit will occur early the week of 4 February.

2. 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. No response has been received from these utilities and no markers have been provided. 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. It is unknown if Qwest obtained an encroachment permit for this crossing. The information on the Quest crossing has been supplied to the Reclamation Board staff with a request to determine if an encroachment permit was issued and to obtain their opinion as to what needs to be done due to the low crossing invert. An email follow up request on this issue was made to the General Manager on January 17th.

3. Funding Update:

- a) The 1st amendment to the Second funding agreement is nearing completion and is anticipated to be approved at the February 19th TRLIA Board meeting. This amendment outlines the source of local funding for the EIP TRLIA project.
- b) DWR and TRLIA are nearing completion of the EIP funding agreement. Approval of the agreement by the TRLIA Board is projected to occur at the February 19th Board meeting, with State sign off coming quickly there after.

In response to DWR's EIP notification to provide TRLIA \$138.51 Million of State Prop 1E/84 funding for the Feather River project, Three Rivers has presented a financial plan demonstrating local share (\$53.3 Million) to DWR. Local share consists of \$30 Million in future capital calls from Participating Landowners, and \$23.3 Million from the County of Yuba. TRLIA anticipates that DWR will be ready to provide Prop 1E/84 funds for proceeding with work along the Feather River levee in December. This delay in funding is a significant challenge to our schedule and causing us to have to re-evaluate our schedule. We continue making strides in obtaining rights of entry which allow us to move ahead with some land access without significant current budget expenditures. 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.

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 4 building permits have so far been issued in 2008.

Plumas Lake Specific Plan Area and North Arboga Study Area - Building Permits Issued in 2008

Developer/Builder	Monthly Building Permits Issued for Plumas Lake and North Arboga Study								Total (By Builder)
	Jan-08		Feb-08		Mar-08		Apr-08		
	Plumas	NASA	Plumas	NASA	Plumas	NASA	Plumas	NASA	
KB Homes North Bay									0
Cresleigh Homes									0
Forecast Homes/K Hovnanian	3								3
Homes by Towne/HBT Constr.									0
Beazer Homes									0
California Homes/Home Builders									0
Cassano Kamilos Homes									0
D.R. Horton/Western Pacific									0
Other		1							1
Monthly Totals	4		0		0		0		4

Total Permits for 2008 4

Building Permits Issued in TRLIA Project Area

