

## Exhibit A

### Modified (9-14-10) Overall Work Plan

#### Three Rivers Levee Improvement Authority (TRLIA)

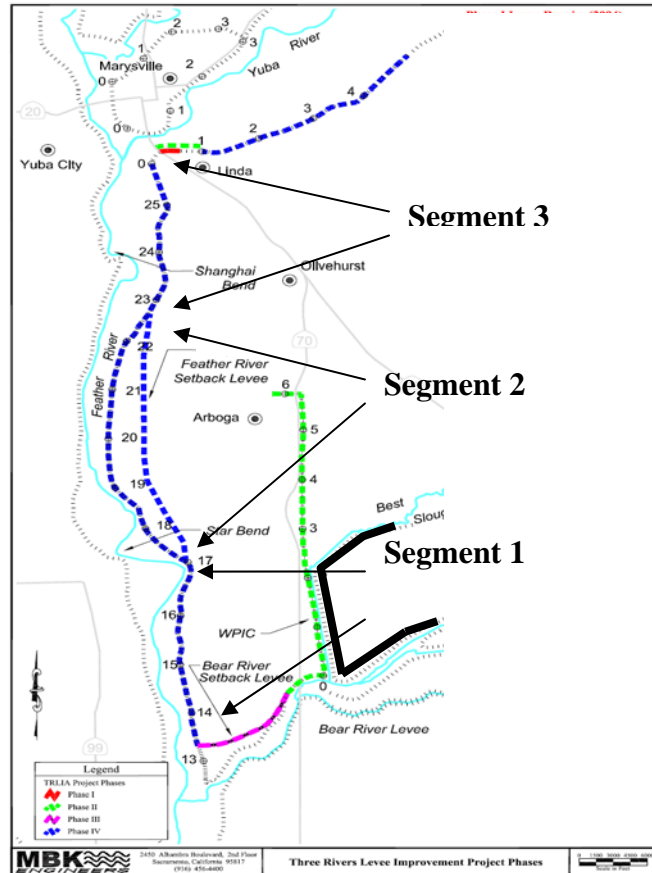
**Project Background:** TRLIA has embarked on a four phase program to provide 200 year flood protection to South Yuba County. The four phase program summarized below:

### RD784

- Non TRLIA Levees (black): WPIC, and Bear River

### TRLIA & RD784 Levees

- Phase 1 (red): Yuba River
- Phase 2 (green): Yuba River, Western Pacific Interceptor Canal (WPIC), and Bear River
- Phase 3 (purple): Bear River Setback
- Phase 4 (blue): Yuba River, and Feather River



Phases 1, 2, and 3 have been completed and were certified by the Corp of Engineers on May 8<sup>th</sup>, 2007 for FEMA 100 year flood protection.

TRLIA applied to the State-Federal Flood Control System Modifications Program for Fiscal Year 2007-08, Early Implementation Projects (EIP) Program in May of 2007 for Phase 4 (Segments 1, 2, and 3) of the Feather River Levee Improvement Project (FRLIP). TRLIA was notified on August 30, 2007, that only Segments 2 and 3 of the FRLIP had passed the initial screening. Segment 1 was determined to be ineligible for funding because TRLIA's application did not adequately address Criteria 6 regarding "fix-in-place" repairs rather than constructing a set back levee. Although Segment 1 was originally not funded in this project, the State EIP decision documents stated that

Segment 1 must be completed as part of TRLIA's Early Implementation Project (EIP). On August 18, 2008 TRLIA requested DWR reconsider its decision on Segment 1. DWR has opted to change Segment 1 from an Associated Project Element to a Project Element. On April 7, 2009 TRLIA requested DWR to add Erosion Site 2 work within Segment 3 as a Project Element to this contract, which DWR has agreed to. DWR has also agreed to add project funding for regulatory design changes described in TRLIA letter dated April 6, 2009.

All terms and reporting guidelines set forth in TRLIA's EIP funding agreement will apply to this project.

**The TRLIA Early Implementation Project (EIP):** The TRLIA EIP project is the Phase 4 *Feather River* levee work that is shown in the above graphic. The Phase 4 Feather River levee work is broken into three segments.

- a. Segment 1: Bear River to approximately Star Bend
- b. Segment 2: Setback between Star Bend and approximately Shanghai Bend
- c. Segment 3: Approximately Shanghai Bend to Yuba River (HWY 70)

TRLIA has updated the cash flow originally submitted on October 3, 2007 to reflect actual expenses incurred through November 2007 and match the project elements and features, schedule, and budget provided in Tab A, B, C, D, E, and F.

Outlined below is a high level review of the TRLIA EIP Project:

Project Work:

- **Land Acquisition:** Land acquisition actions are required for Segments 1, 2, and 3. Land acquisition actions for Segments 1 and 3 are complete or nearly completed. Approximately 1600 acres are being acquired for the expanded floodway for Segment 2 (Setback levee). Segment 2 land acquisitions have been completed to allow levee construction – final ownership for some parcels is projected to occur in 2011 due to eminent domain court settlement timelines
- **Added to Contract as Project work (originally Associated Project Work) - Segment 1 Construction (April 2008 – December 2009):** TRLIA started Segment 1 construction in late May 2008 and completed this segment of work in 2008; except for a portion of levee near Star Bend that developed a crack during construction. All construction permits and environmental documentation have been completed (see Tab D). The crack repair is scheduled to be completed in 2009. It is expected that construction information and expenditures will be submitted as late as December 2009.

- **Segment 2 Setback Construction (April 2008 - 2009):** The setback will be constructed in three phases. TRLIA started construction in May 2008. Work is anticipated to be completed in 2009.
  - In the **first phase** Three Rivers plans to construct the portions of the new levee which do not require any federal approval. Three Rivers will construct approximately 80% of the setback levee, including Pump Station No. 3, and will avoid the tie-ins to the existing levee (which would require Section 408 approval) and avoid construction in and around waters of the United States (which would require a 404 permit). All construction permits and environmental documentation were completed (see Tab D).
  - In the **second phase** TRLIA, after obtaining all necessary documentation, started to incur construction related expenses for the segment 2 work that requires both federal action (ex. NEPA EIS completion, 408 approval, 404 permit, and 104 approval) and Reclamation Board action (ex. encroachment permits) in May 2009 (see Tab D for permits).
  - In the **third phase** TRLIA expects to begin to degrade the existing Segment 2 levee in August of 2009 and complete by November 1, 2009. This work requires both federal action and Reclamation Board action. All construction permits and environmental documentation is anticipated to be completed in the summer/fall 2009 (see Tab D). It is expected that construction invoices will be submitted as late as June 2010.
- **Segments 3 Construction (April 2008 – December 2009):** TRLIA completed the original work planned for Segment 3 in 2008. Erosion Site 2 has been **added** to Segment 3 and is expected to be completed in 2009. All construction permits and environmental documentation have been completed for the original Segment 3 work (see Tab D). Permits and environmental documentation for Erosion Site 2 is scheduled to be completed by July 2009. It is expected that construction invoices will be submitted as late as Dec 2009.

**Project Associated Work:** Segment 1 work was deleted from the work plan as Project Associated work and added to the work plan as Project Work.

**The Exhibit A overall work plan contains the following modified sections:**

- Project Work Elements and Features – Tab A
- Project Work Element and Features Budget – Tab B
- Project Element and Features Schedule – Tab C
- Project Element and Features Permits & Environmental Documents – Tab D
- Associated Project Work Elements and Features – Tab E (Deleted)
- Associated Project Work Element and Features Budget – Tab F (Deleted)
- Associated Project Element and Features Schedule – Tab G (Deleted)
- Associated Project Element and Features Permits & Environmental Documents – Tab H (Deleted)

## **Tab A: Modified Project Elements and Features**

### **Outline of Project Elements:**

1. Element 1: Land Acquisition (see real estate Acquisition Plan)
2. Element 2: Feather River Segment 2 setback levee w/o tie-ins and new levee construction requiring federal action (except as noted in features):
3. Element 3: Feather River Segment 2 tie-ins and new levee construction requiring federal action
4. Element 4: Feather River Segment 2 existing levee degrade
5. Element 5: Feather River Segment 3 levee improvement
6. Element 5A: Feather River Segment 3 Erosion Site 2 (**added to Work Plan**)
7. Element 6: Feather River Land Management
8. Element 7: Project Management, legal support, community relations support, land management support, and overhead
9. Element 8: Feather River Segment 1 land acquisition (**added to Work Plan; was Associated Project Element 1**)
10. Element 9: Feather River Segment 1 levee improvement (**added to Work Plan; was Associated Project Element 2**)
11. Element 9A: Feather River Segment 1 crack repair (**added to Work Plan**)
12. Element 9B: Feather River Segment 1 V-Ditch repair (**added to Work Plan Sept 2010**)

### **Description of Project Elements and Features:**

1. **Element 1:** Land Acquisition (see real estate acquisition plan for details)
  - 1.1. Feature 1: Feather River Segment 2: The proposed Segment 2 Levee Setback (levee footprint and floodway) will require right of way acquisition of roughly 1749 acres from 37 parcels controlled by 25 owners. Two households and three tenants will be relocated as part of the project. See TRLIA real estate plan for detail description of land acquisitions.

- 1.2. Feature 2: Feather Segment 3: The land acquisition phase of Segment 3 (PLM 23.6 to PLM 26.07) consists of temporary access rights and permanent rights necessary for the construction of a cut off wall and seepage berm. Ten property owners are affected by the project. Negotiations were completed with property owners in the spring of 2007.

**Deliverables:** Real Estate documents (see real estate acquisition plan)

**2. Element 2: Feather River Segment 2 setback levee w/o tie-ins, new levee construction requiring federal action (except as noted in features):**

2.1. Feature 1: *All* Segment 2 Design, permitting, right of way support, and environmental support activities

2.1.1. Design: In summary, the Segment 2 setback levee design includes the following activities:

- Geotechnical explorations and laboratory testing
- Preparation of site topographic mapping and other site surveys
- Preparation of a Phase 1 Environmental Site Assessment
- Geomorphic assessments
- Hydraulic modeling
- Evaluation of wind-driven erosion
- Engineering analyses, including seepage, stability, and settlement
- Preparation of a Design Report and Geotechnical Data Report
- Preparation of design drawings and specifications
- Preparation of cost estimates and schedules
- Preparation of bid documents and evaluation of contractor bids

2.1.2. Permitting: In summary, permitting activities for Segment 2 include:

- Wetland delineation
- Preparation of permit applications, including Reclamation Board encroachment, Corps Section 404, DFG Section 2081, and DFG Section 1602 permits and RWQCB Section 401 water quality certification
- Cultural resources site surveys; preparation of a Cultural Resource Assessment; coordination with the Corps, the State Historic Preservation Officer (SHPO), and local Native American groups in compliance with Section 106 of the National Historic Preservation Act (NHPA)
- Site survey for sensitive habitats and preparation of Biological Assessments for USFWS and NMFS
- Preparation of Section 408 documentation, including NEPA compliance.

- Consultation and coordination with resource agencies including the Corps, U.S. Fish and Wildlife Service, NMFS, DFG, and RWQCB.
- Preparation of a pre-construction notification

2.1.3. Right of way support for real estate acquisition (see real estate acquisition plan)

- Boundary Surveys
- Plat and Legal Descriptions
- Environmental Site Assessments
- Rights of Entry
- Appraisal
- Acquisition
- Relocation
- Title / Escrow Support
- Eminent Domain Support
- Legal Support
- Right of Way Management

2.2. Feature 2: *All* Construction Management: Construction management for Segment 2 levee repairs will include the following activities: Work includes

- Coordinate construction activities with DWR and Corps staff to communicate issues of concern, provide required information, and responding to questions.
- Conduct weekly construction meetings and prepare monthly progress reports.
- Construction contract administration, including review of work plans, schedules, budgets, and cash flow projections; evaluation of value engineering proposals; evaluation of change orders; and review of invoices for progress payment.
- Review and processing of contractor submittals and requests for information (RFIs).
- Construction inspections to ensure that Contractors' work is performed in accordance with construction plans and specifications, and is consistent with the intent of the design.
- Quality assurance (QA) testing to ensure compliance with the requirements of contract documents, and review of the effectiveness and adequacy of the contractor's quality control (QC) program.
- Implementing start-up, closeout and acceptance procedures for the systematic, orderly and timely completion, acceptance, and transfer of facilities constructed, as well as contract closeout.
- Preparing a construction summary report for construction activities, including a summary of the project history, problems encountered and resolutions made, summary of major changes, summary of bid and

final project costs, QA and QC testing results, photographs depicting construction work in progress, and project record drawings.

- Conducting preconstruction biological surveys, training, and construction monitoring for biological resources before and during construction.
- Conduct cultural resources monitoring near known cultural resource

2.3. Feature 3: Construction of setback: TRLIA's initial construction in areas outside of federal approval will include approximately 80% of the new levee alignment. The approximate limits are as follows: 200-ft north of Plumas lake canal to the southern limit of the north tie-in (approximate Sta 293+00). See Tab D for status of permits.

2.3.1. Foundation and related construction activities.

2.3.2. Embankment and related construction activities.

2.3.3. Relocation of PG&E Facilities

2.4. Feature 4: Environmental & Cultural Mitigation: The Feather River Repair Project, Segment 2 is expected to require compensatory mitigation for the direct loss of habitat and temporary impacts to species and habitats associated with USACE jurisdictional waters and habitats and federally listed species. These may include mitigation for:

2.4.1. Environmental Mitigation/Restoration

2.4.2. Cultural Mitigation: Work necessary to accomplish and comply with Section 106 consultation.

2.5. Feature 5: All Feather River Segment 2 O&M Manual: As levee degradation nears completion, an operations and maintenance (O&M) addendum will be prepared for use by Reclamation District (RD) 784 for the new setback levee, the local entity with responsibility for post construction operation and maintenance of Feather River Segment 2. Prior to this turn over to RD784 TRLIA will be responsible for levee's under construction along with the TRLIA construction contractor. The addendum will augment O&M directions already contained in the Corps of Engineers' *Standard Operation and Maintenance Manual for the Sacramento River Flood Control Project* and the *Supplement to Standard Operation and Maintenance Manual, Sacramento River Flood Control Project, Unit No. 145-Part No. 1*. The O&M addendum will be used by RD 784 as they continue to operate and maintain the repaired levee segment. Draft versions of the addendum will be reviewed by RD 784, the Corps of Engineers, and the DWR prior to being adopted for use. The addendum will address the following:

- Reinforcement of standard O&M practices for levees in the Sacramento River Flood Control System
- Identification of new features constructed as part of the repairs for Segment 2, and additional O&M efforts required for these new features
- Special surveillance efforts required in the first few years following construction
- As-built Plans
- Flood fighting techniques

**Deliverables:** Design Report, Design Drawings and Specifications used for Construction; Permits; CEQA and NEPA documents; O&M manual addendum: As-built drawings; and approximately 5.7 miles of set back levee constructed in accordance with the Plans, Specifications and Permits.

### **3. Element 3: Feather River Segment 2 tie-ins and new levee construction requiring federal action**

- 3.1. Feature 1: Construction:** Constructing the new levee (foundation and embankment in the following areas once federal approval has been obtained
- South tie-in with the existing levee
  - Plumas Lake Canal crossing at approximate Sta 19+00
  - Unnamed ditch crossing at approximate Sta 77+00
  - Cultural resource site CA-YUB-5 at approximate Sta 93+00 to 104+00
  - Cultural resource site CA-YUB-1677 near Star Bend
  - North tie-in with the existing levee

See Tab D for status of permits.

3.1.1. Foundation and related construction activities.

3.1.2. Embankment and related construction activities.

**Deliverables:** Design Report, Design Drawings and Specifications used for Construction; Permits; CEQA and NEPA documents; As-built drawings (if applicable, items can be included in element 2 deliverables); and new levee and levee tie-ins constructed in accordance with the Plans, Specifications and Permits.

### **4. Element 4: Feather River Segment 2 existing levee degrade:**

- 4.1. **Feature 1: Construction:** Once the new segment 2 setback levee and ties ins are constructed to sufficient height approved by the Corps, DWR, and CVFPB the existing levee will be degraded, floodplain swale and other related construction activities will occur. Existing levee degradation and floodplain swale construction is scheduled to begin mid August 2009 and be completed by



November 1, 2009. A summary of major levee degradation and floodplain swale construction activities includes the following:

- Clearing, grubbing, and stripping the proposed floodplain swale discharging to the Feather River.
- Stripping designated portions of the existing levee.
- Demolishing and removing the existing Pump Station No. 3.
- Reclaiming borrow pits with material excavated from the existing levee and floodplain swale.
- Revegetating and restoring the former levee footprint, floodplain swale, borrow areas, staging/lay down areas, and other areas disturbed by construction.

All applicable construction permits and environmental documents are anticipated to be completed for this feature by July 2009 (see Tab D).

**Deliverables:** Design Report, Design Drawings and Specifications used for construction; Permits; CEQA and NEPA documents; and As-built drawings (if applicable, items can be included in element 2 deliverables)

**5. Element 5: Feather River Segment 3 levee improvement:** Prior to State EIP funding being available to TRLIA project work segment 1 & segment 3 were managed as one TRLIA project. For EIP purposes TRLIA has separated the segments work into two Project Elements.

5.1. Feature 1: Design, permitting, right of way support:

5.1.1. Design: In summary, the design of Segment 3 levee repairs included the following activities:

- Geotechnical explorations and laboratory testing
- Preparation of site mapping and other site surveys
- Preparation of a Phase 1 Environmental Site Assessment
- Geomorphic assessment
- Hydraulic modeling
- Evaluation of wind-driven erosion
- Engineering analyses, including seepage, stability, and settlement
- Preparation of a Design Report and Geotechnical Data Report
- Preparation of design drawings and specifications
- Preparation of cost estimates and schedules
- Preparation of bid documents and evaluation of contractor bids

Permitting: In summary, permitting activities included the following:

- Preparation of Reclamation Board encroachment permit application
- Cultural resources and sensitive habitats assessment

- Wetland delineation
- Preparation of a pre-construction notification
- Preparation of Section 408 documentation, including an Environmental Assessment (EA) for NEPA compliance.
- Consultation and coordination with resource agencies including the Corps, U.S. Fish and Wildlife Service, National Marine Fisheries Service, and DFG.

5.1.2. Right of way support for real estate acquisition (see real estate acquisition plan)

- Boundary Surveys
- Plat and Legal Descriptions
- Environmental Site Assessments
- Rights of Entry
- Appraisal
- Acquisition
- Relocation
- Title / Escrow Support
- Eminent Domain Support
- Legal Support
- Right of Way Management

5.2. Feature 2: Construction Management: Construction management for Segment 3 levee repairs will include the following activities:

- Coordinate construction activities with DWR and Corps staff to communicate issues of concern, provide required information, and responding to questions.
- Conduct weekly construction meetings and prepare monthly progress reports.
- Construction contract administration, including review of work plans, schedules, budgets, and cash flow projections; evaluation of value engineering proposals; evaluation of change orders; and review of invoices for progress payment.
- Review and processing of contractor submittals and requests for information (RFIs).
- Construction inspections to ensure that Contractors' work is performed in accordance with construction plans and specifications, and is consistent with the intent of the design.
- Quality assurance (QA) testing to ensure compliance with the requirements of contract documents, and review of the effectiveness and adequacy of the contractor's quality control (QC) program.

- Implementing start-up, closeout and acceptance procedures for the systematic, orderly and timely completion, acceptance, and transfer of facilities constructed, as well as contract closeout.
- Preparing a construction summary report for construction activities, including a summary of the project history, problems encountered and resolutions made, summary of major changes, summary of bid and final project costs, QA and QC testing results, photographs depicting construction work in progress, and project record drawings.
- Conducting preconstruction biological surveys, training, and construction monitoring for biological resources before and during construction.
- Conduct cultural resources monitoring near known cultural resource

5.3. Feature 3: Construction: A summary of major construction activities includes the following:

- Clearing, grubbing, and stripping for earthwork construction and borrow areas.
- Partially degrading the existing Feather River levee embankment; constructing approximately 320,000 square feet of soil-cement-bentonite cutoff wall through the levee embankment; and reconstruction of the levee embankment.
- Constructing a berm against the landside levee slope along a reach of the levee.
- Reshaping the levee crown in several areas to restore levee freeboard.
- Re-constructing the levee patrol roads.
- Constructing a flood gate at the levee crossing with the Union Pacific Railroad.
- Removing and reconstructing the Linda County Water wastewater pipeline, including associated bypass facilities to prevent service outages.
- Removing an abandoned pipe that extends through the levee embankment.
- Installing vibrating wire and open standpipe piezometers.
- Final levee embankment and staging/lay down area restoration, including establishing erosion control vegetation on the embankment slopes and toe access corridors.

See Tab D for status of permits.

5.4. Feature 4: Feather River Segments 3 O&M Manual: As construction nears completion, an operations and maintenance (O&M) addendum will be prepared for use by Reclamation District (RD) 784, the local entity with responsibility for post construction operation and maintenance of Feather River Segment 3. Prior to this turn over to RD784 TRLIA will be responsible for levee's under construction along with the TRLIA construction contractor. The addendum will augment O&M directions already contained in the Corps of Engineers' *Standard*

*Operation and Maintenance Manual for the Sacramento River Flood Control Project and the Supplement to Standard Operation and Maintenance Manual, Sacramento River Flood Control Project, Unit No. 145-Part No. 1.* The O&M addendum will be used by RD 784 as they continue to operate and maintain the repaired levee segments. Draft versions of the addendum will be reviewed by RD 784, the Corps of Engineers, and the DWR prior to being adopted for use. The addendum will address the following:

- Reinforcement of standard O&M practices for levees in the Sacramento River Flood Control System
- Identification of new features constructed as part of the repairs for Segment 3 and additional O&M efforts required for these new features
- Special surveillance efforts required in the first few years following construction
- As-built Plans
- Flood fighting techniques

**Deliverables:** Design Report, Design Drawings and Specifications used for construction; Permits; CEQA and NEPA documents; O&M manual addendum; As-built drawings; and approximately 3.3 miles of improved levee repaired in accordance with the Plans, Specifications and Permits.

## **6. Element 5A: Feather River Segment 3 Erosion Site 2 levee improvement: Added to Work Plan**

### 5A.1. Feature 1: Design & permitting, right of way support:

5A.1.1.Design:

5A.1.2.Permitting: See Tab D for status of permits.

5A.1.3.Right of way support for real estate acquisition (see real estate acquisition plan)

### 5A.2. Feature 2: Construction Management:

5A.3. Feature 3: Construction: See Tab D for status of Permits

5A.4. Feature 4: Feather River Segments 3 for Erosion Site 2 O&M Manual:  
Will be added to Project Element 5 O&M manual as an addendum.

**Deliverables:** Design Report, Design Drawings and Specifications used for construction; Permits; CEQA and NEPA documents; O&M manual addendum; As-built drawings; and approximately 0.5 miles of improved levee repaired in accordance with the Plans, Specifications and Permits.

## **7. Element 6: Feather River Land Management:**

6.1. Feature 1: Environmental Maintenance Activities: The Feather River Repair Project, Segment 2, also anticipates providing short term and long term management for the area behind the new setback levee. This management will include an active and passive restoration plan for the onsite preserve, and a short and long term plan for continued agricultural operations in the setback area. The total amount of restoration provided in the setback will be largely determined by the final permit outcomes, however it is anticipated that approximately 800 acres of the total 1600 acre area will be devoted to either active species restoration or passive riparian and natural habitats in the form of an onsite preserve. Approximately 800 acres are expected to become part of a long term plan devoted to agricultural uses; including orchard and row crop plantings.

6.2. Feature 2: Lease back activities (e.g. farming)

6.3. Feature 3: Land Maintenance of setback area (e.g. security, etc.) post construction and prior to transfer of property to State

**8. Element 7: Project Management, legal support, community relations support, land management support, and overhead**

7.1. Feature 1: TRLIA and Yuba County Salaries & Benefits

7.2. Feature 2: TRLIA program consultant expenses (program manager, financial support, design manager, community relations support)

7.3. Feature 3: TRLIA legal support

7.4. Feature 4: TRLIA travel expenses

7.5. Feature 5: TRLIA general expenses (services, supplies, office)

7.6. Feature 6: TRLIA Insurance

7.7. Feature 7: TRLIA Travel

7.8. Feature 8: TRLIA Flood Control Memberships

**9. Element 8: Feather River EIP Land Acquisition (see real estate Acquisition Plan for details): Added to Work Plan – was Associated Project Element 1**

8.1. Feature 1: Feather Segment 1: The land acquisition phase of Segment 1 (PLM 13.3 to PLM 17.1) includes purchasing temporary access along the toe of the existing levee for construction of the cut off wall within this reach. Three

property owners will be affected by the construction. Negotiations have begun with all the property owners.

In addition, the Reclamation Board Permit No. 18170 requires TRLIA to purchase a 50' wide easement along the toe of the levee.

**Deliverables:** Real Estate documents (see real estate acquisition plan)

**10. Element 9: Feather River Segment 1 levee improvement: Added to Work Plan – was Associated Project Element 2**

9.1. Feature 1: Design, permitting, right of way support.

9.1.1. Design:

9.1.2. Permitting: See Tab D for status of permits

9.1.3. Right of way support for real estate acquisition (see real estate acquisition plan)

9.2. Feature 2: Construction Management: Construction management for Segment 1 levee repairs will include the following activities:

9.3. Feature 3: Construction: A summary of major construction activities includes the following:

- Clearing, grubbing, and stripping for earthwork construction and borrow areas.
- Partially degrading the existing Feather River levee embankment; constructing approximately 290,000 square feet of soil-cement-bentonite cutoff wall through the levee embankment; constructing approximately 220,000 square feet of soil-bentonite cutoff wall under the waterside toe of the levee embankment; and reconstruction of the levee embankment.
- Constructing a low permeability fill on the waterside slope along two reaches of the levee.
- Constructing approximately 16 relief wells and related drainage facilities.
- Re-constructing the levee patrol roads.
- Removing and reconstructing the Plumas Mutual Water Company water pipelines and removing the abandoned Plumas Mutual Water Company water pipeline that extends through the levee embankment.
- Installing vibrating wire and open standpipe piezometers.
- Final levee embankment and staging/lay down area restoration, including establishing erosion control vegetation on the embankment slopes and toe access corridors.

See Tab D for status of permits.

9.4. Feature 4: O&M: As construction nears completion, an operations and maintenance (O&M) addendum will be prepared for use by Reclamation District (RD) 784, the local entity with responsibility for post construction operation and maintenance of Feather River Segment 1. Prior to this turn over to RD784 TRLIA will be responsible for levee's under construction along with the TRLIA construction contractor. The addendum will augment O&M directions already contained in the Corps of Engineers' *Standard Operation and Maintenance Manual for the Sacramento River Flood Control Project* and the *Supplement to Standard Operation and Maintenance Manual, Sacramento River Flood Control Project, Unit No. 145-Part No. 1*. The O&M addendum will be used by RD 784 as they continue to operate and maintain the repaired levee segments. Draft versions of the addendum will be reviewed by RD 784, the Corps of Engineers, and the DWR prior to being adopted for use. The addendum will address the following:

- Reinforcement of standard O&M practices for levees in the Sacramento River Flood Control System
- Identification of new features constructed as part of the repairs for Segment 1 and additional O&M efforts required for these new features
- Special surveillance efforts required in the first few years following construction
- As-built Plans
- Flood fighting techniques

**Deliverables:** Design Report, Design Drawings and Specifications used for construction; Permits; CEQA and NEPA documents; O&M Manual addendum; As-built drawings; and approximately 4 miles of improved levee repaired in accordance with the Plans, Specifications and Permits.

## **11. Element 9A: Feather River Segment 1 Crack Repair: Added to Work Plan**

9A.1. Feature 1: Engineering, construction management & right of way support.

9A.1.1 Engineering & Construction Management

9A.1.2 Right of way support for real estate acquisition (see real estate acquisition plan)

9A.2 Feature 2: Construction:

All applicable construction permits and environmental documents have been completed for this feature (see Tab D).

9A.3 Feature 3: O&M: Will be added to Project Element 9 O&M manual as an addendum

**Deliverables:** Design Report, Design Drawings and Specifications used for construction; Permits; CEQA and NEPA documents; O&M Manual addendum; As-built drawings; and approximately 0,2 miles of improved levee repaired in accordance with the Plans, Specifications and Permits.

## **12. Element 9B:** Feather River Segment 1 V-Ditch Repair: Added to Work Plan

9B.1. Feature 1: Engineering, construction management & O&M Manual Addendum

9B.2. Feature 2: Construction:

**Deliverables:** Design Report, Design Drawings and Specifications used for construction; Permits; CEQA and NEPA documents; O&M Manual addendum; As-built drawings; and approximately 0.5 miles of improved levee repaired in accordance with the Plans, Specifications and Permits.



## **Tab B: Modified Project Element and Features Budget**

The EIP budget is broken out by project element and feature (see Tab A above).

TRLIA Proposed Overall Work Plan Budget Modifications

Project Elements and Features	Current Updated Budget [1]			Resulting State Cost Share	Proposed Budget Modification			Revised Overall Budget			Resulting State Cost Share
	State Budget (\$)	Local Budget (\$)	Total Budget (\$)		State Budget (\$)	Local Budget (\$)	Total Budget (\$)	State Budget (\$)	Local Budget (\$)	Total Budget (\$)	
<b>Element 1: Feather River EIP Land Acquisition (see real estate Acquisition Plan)</b>											
Feature 2 - Feather Segment 2	\$35,426,237	\$9,478,763	\$44,905,000	78.8915%	\$8,399	-\$2,130,656	-\$2,122,257	\$35,434,636	\$7,348,107	\$42,782,743	82.8246%
Feature 3 - Feather Segment 3	\$328,595	\$140,827	\$469,422	70.0000%	\$0	\$0	\$0	\$328,595	\$140,827	\$469,422	70.0000%
<b>Subtotal Element 1</b>	<b>\$35,754,832</b>	<b>\$9,619,590</b>	<b>\$45,374,422</b>	<b>78.7995%</b>	<b>\$8,399</b>	<b>-\$2,130,656</b>	<b>-\$2,122,257</b>	<b>\$35,763,231</b>	<b>\$7,488,934</b>	<b>\$43,252,165</b>	<b>82.6854%</b>
<b>Element 2: Feather River Segment 2 new levee (Excludes Levee Tie Ins and Existing Levee Degradation)</b>											
Feature 1.1 - Design	\$5,361,919	\$1,130,547	\$6,492,466	82.5868%	\$15,440	-\$15,440	\$0	\$5,377,359	\$1,115,107	\$6,492,466	82.8246%
Feature 1.2 - Permitting	\$2,165,581	\$449,079	\$2,614,659	82.8246%	\$108,500	\$22,500	\$131,000	\$2,274,081	\$471,578	\$2,745,659	82.8246%
Feature 1.3 - ROW Support	\$4,563,633	\$1,084,746	\$5,648,380	80.7954%	\$114,614	-\$114,614	\$0	\$4,678,248	\$970,132	\$5,648,380	82.8246%
Feature 2 - Construction Management	\$5,462,613	\$1,356,439	\$6,819,051	80.1081%	\$557,950	-\$107,950	\$450,000	\$6,020,563	\$1,248,489	\$7,269,051	82.8246%
Feature 3.1 - Foundation Construction	\$20,583,811	\$4,341,674	\$24,925,485	82.5814%	-\$1,098,922	-\$301,078	-\$1,400,000	\$19,484,889	\$4,040,596	\$23,525,485	82.8246%
Feature 3.2 - Embankment Construction	\$26,871,773	\$7,341,734	\$34,213,507	78.5414%	\$1,494,416	-\$1,459,416	\$35,000	\$28,366,189	\$5,882,318	\$34,248,507	82.8246%
Feature 3.3 - PG&E Relocation	\$2,401,913	\$649,981	\$3,051,894	78.7024%	-\$238,622	-\$201,378	-\$440,000	\$2,163,291	\$448,603	\$2,611,894	82.8246%
Feature 4.1 - Environmental Mitigation	\$4,141,457	\$858,543	\$5,000,000	82.8291%	\$579,545	\$120,455	\$700,000	\$4,721,002	\$978,998	\$5,700,000	82.8246%
Feature 4.2 - Cultural Mitigation	\$289,886	\$60,114	\$350,000	82.8246%	\$0	\$0	\$0	\$289,886	\$60,114	\$350,000	82.8246%
Feature 5 - O&M Segment 2	\$139,231	\$28,872	\$168,103	82.8246%	\$0	\$0	\$0	\$139,231	\$28,872	\$168,103	82.8246%
<b>Subtotal Element 2</b>	<b>\$71,981,817</b>	<b>\$17,301,730</b>	<b>\$89,283,546</b>	<b>80.6216%</b>	<b>\$1,532,922</b>	<b>-\$2,056,922</b>	<b>-\$524,000</b>	<b>\$73,514,739</b>	<b>\$15,244,808</b>	<b>\$88,759,546</b>	<b>82.8246%</b>
<b>Element 3: Feather River Segment 2 Levee Tie Ins</b>											
Feature 1.1 - Foundation Construction	\$5,546,048	\$1,153,298	\$6,699,347	82.7849%	-\$1,281,122	-\$268,878	-\$1,550,000	\$4,264,926	\$884,421	\$5,149,347	82.8246%
Feature 1.2 - Embankment Construction	\$4,560,827	\$949,878	\$5,510,705	82.7630%	-\$2,398,521	-\$501,479	-\$2,900,000	\$2,162,306	\$448,399	\$2,610,705	82.8246%
<b>Subtotal Element 3</b>	<b>\$10,106,875</b>	<b>\$2,103,177</b>	<b>\$12,210,052</b>	<b>82.7750%</b>	<b>-\$3,679,643</b>	<b>-\$770,357</b>	<b>-\$4,450,000</b>	<b>\$6,427,232</b>	<b>\$1,332,820</b>	<b>\$7,760,052</b>	<b>82.8246%</b>
<b>Element 4: Feather River Segment 2 Levee Degradation</b>											
Feature 1 - Existing Levee Degradation	\$11,806,236	\$5,909,977	\$17,716,213	66.6409%	\$3,032,796	-\$2,832,796	\$200,000	\$14,839,032	\$3,077,181	\$17,916,213	82.8246%
<b>Subtotal Element 4</b>	<b>\$11,806,236</b>	<b>\$5,909,977</b>	<b>\$17,716,213</b>	<b>66.6409%</b>	<b>\$3,032,796</b>	<b>-\$2,832,796</b>	<b>\$200,000</b>	<b>\$14,839,032</b>	<b>\$3,077,181</b>	<b>\$17,916,213</b>	<b>82.8246%</b>
<b>Element 5: Feather River Segment 3 Levee Improvement</b>											
Feature 1.1 - Design	\$635,031	\$320,052	\$955,083	66.4896%	\$5,527	-\$45,527	-\$40,000	\$640,558	\$274,525	\$915,083	70.0000%
Feature 1.2 - Permitting	\$219,167	\$93,929	\$313,096	70.0000%	-\$77,000	-\$33,000	-\$110,000	\$142,167	\$60,929	\$203,096	70.0000%
Feature 1.3 - ROW Support	\$199,695	\$144,126	\$343,821	58.0811%	\$40,979	-\$40,979	\$0	\$240,674	\$103,146	\$343,821	70.0000%
Feature 2 - Construction Management	\$775,809	\$349,854	\$1,125,663	68.9202%	\$12,155	-\$12,155	\$0	\$787,964	\$337,699	\$1,125,663	70.0000%
Feature 3 - Construction	\$5,966,867	\$2,592,336	\$8,559,203	69.7129%	-\$3,425	-\$36,575	-\$40,000	\$5,963,442	\$2,555,761	\$8,519,203	70.0000%
Feature 4 - O&M manual	\$55,336	\$23,716	\$79,052	70.0000%	-\$35,000	-\$15,000	-\$50,000	\$20,336	\$8,716	\$29,052	70.0000%
<b>Subtotal Element 5</b>	<b>\$7,851,905</b>	<b>\$3,524,012</b>	<b>\$11,375,917</b>	<b>69.0222%</b>	<b>-\$56,763</b>	<b>-\$183,237</b>	<b>-\$240,000</b>	<b>\$7,795,142</b>	<b>\$3,340,775</b>	<b>\$11,135,917</b>	<b>70.0000%</b>

"revisedbudget12"

[1] Reflects Revisions Made in the 10th Quarterly Work Plan dated April 26, 2010.

TRLIA Proposed Overall Work Plan Budget Modifications

Project Elements and Features	Current Updated Budget [1]			Resulting State Cost Share	Proposed Budget Modification			Revised Overall Budget			Resulting State Cost Share
	State Budget (\$)	Local Budget (\$)	Total Budget (\$)		State Budget (\$)	Local Budget (\$)	Total Budget (\$)	State Budget (\$)	Local Budget (\$)	Total Budget (\$)	
<b>Element 5A: Feather River Segment 3 Erosion Site 2</b>											
Feature 1.1 - Design	\$47,073	\$20,174	\$67,247	70.0000%	-\$9,100	-\$3,900	-\$13,000	\$37,973	\$16,274	\$54,247	70.0000%
Feature 1.2 - Permitting	\$94,711	\$40,591	\$135,302	70.0000%	-\$16,100	-\$6,900	-\$23,000	\$78,611	\$33,691	\$112,302	70.0000%
Feature 1.3 - ROW Support	\$14,000	\$6,000	\$20,000	70.0000%	\$0	\$0	\$0	\$14,000	\$6,000	\$20,000	70.0000%
Feature 2 - Construction Management	\$38,667	\$16,572	\$55,239	70.0000%	-\$11,200	-\$4,800	-\$16,000	\$27,467	\$11,772	\$39,239	70.0000%
Feature 3 - Construction	\$400,548	\$171,664	\$572,212	70.0000%	-\$63,000	-\$27,000	-\$90,000	\$337,548	\$144,664	\$482,212	70.0000%
Feature 4 - O&M manual addendum	\$3,500	\$1,500	\$5,000	70.0000%	-\$2,800	-\$1,200	-\$4,000	\$700	\$300	\$1,000	70.0000%
<b>Subtotal Element 5A</b>	<b>\$598,500</b>	<b>\$256,500</b>	<b>\$855,000</b>	<b>70.0000%</b>	<b>-\$102,200</b>	<b>-\$43,800</b>	<b>-\$146,000</b>	<b>\$496,300</b>	<b>\$212,700</b>	<b>\$709,000</b>	<b>70.0000%</b>
<b>Element 6: Feather River Land Management</b>											
Feature 1 - Environmental Restoration Activities	\$86,966	\$18,034	\$105,000	82.8246%	\$37,271	\$7,729	\$45,000	\$124,237	\$25,763	\$150,000	82.8246%
Feature 2 - Lease Back activities	\$41,412	\$8,588	\$50,000	82.8246%	\$0	\$0	\$0	\$41,412	\$8,588	\$50,000	82.8246%
Feature 3 - Operation And Maintenance	\$1,280,908	\$869,092	\$2,150,000	59.5771%	\$499,821	-\$499,821	\$0	\$1,780,729	\$369,271	\$2,150,000	82.8246%
<b>Subtotal Element 6</b>	<b>\$1,409,286</b>	<b>\$895,714</b>	<b>\$2,305,000</b>	<b>61.1404%</b>	<b>\$537,092</b>	<b>-\$492,092</b>	<b>\$45,000</b>	<b>\$1,946,378</b>	<b>\$403,622</b>	<b>\$2,350,000</b>	<b>82.8246%</b>
<b>Element 7: Project Management, legal support, community relations support, land management support, and overhead</b>											
Feature 1 - TRLIA Salaries/Benefits	\$953,797	\$295,940	\$1,249,737	76.3198%	\$45,792	\$14,208	\$60,000	\$999,589	\$310,148	\$1,309,737	76.3198%
Feature 2 - TRLIA Consultant Exp.	\$946,038	\$293,533	\$1,239,571	76.3198%	\$267,105	\$82,895	\$350,000	\$1,213,143	\$376,428	\$1,589,571	76.3198%
Feature 3 - TRLIA Legal Support	\$912,401	\$283,096	\$1,195,497	76.3198%	\$0	\$0	\$0	\$912,401	\$283,096	\$1,195,497	76.3198%
Feature 4 - TRLIA Travel Expenses	\$7,500	\$2,327	\$9,827	76.3198%	\$0	\$0	\$0	\$7,500	\$2,327	\$9,827	76.3198%
Feature 5 - TRLIA General Expenses	\$267,696	\$83,060	\$350,756	76.3198%	\$0	\$0	\$0	\$267,696	\$83,060	\$350,756	76.3198%
Feature 6 - TRLIA Insurance	\$535,288	\$166,087	\$701,375	76.3198%	\$0	\$0	\$0	\$535,288	\$166,087	\$701,375	76.3198%
Feature 7 - TRLIA Travel	\$20,051	\$6,221	\$26,273	76.3198%	\$0	\$0	\$0	\$20,051	\$6,221	\$26,273	76.3198%
Feature 8 - TRLIA Memberships	\$14,351	\$4,453	\$18,804	76.3198%	\$0	\$0	\$0	\$14,351	\$4,453	\$18,804	76.3198%
<b>Subtotal Element 7</b>	<b>\$3,657,123</b>	<b>\$1,134,718</b>	<b>\$4,791,840</b>	<b>76.3198%</b>	<b>\$312,897</b>	<b>\$97,103</b>	<b>\$410,000</b>	<b>\$3,970,020</b>	<b>\$1,231,821</b>	<b>\$5,201,840</b>	<b>76.3195%</b>
<b>Element 8: Segment 1 Feather River EIP Land Acquisition (Previously Associated Element 1)</b>											
Feature 1 - Feather River Segment 1	\$441,190	\$189,082	\$630,272	70.0000%	\$0	\$0	\$0	\$441,190	\$189,082	\$630,272	70.0000%
<b>Subtotal Element 8</b>	<b>\$441,190</b>	<b>\$189,082</b>	<b>\$630,272</b>	<b>70.0000%</b>	<b>\$0</b>	<b>\$0</b>	<b>\$0</b>	<b>\$441,190</b>	<b>\$189,082</b>	<b>\$630,272</b>	<b>70.0000%</b>
<b>Element 9: Feather River Segment 1 levee improvement (Previously Associated Element 2)</b>											
Feature 1.1 - Design	\$976,725	\$418,597	\$1,395,322	70.0000%	-\$140,000	-\$60,000	-\$200,000	\$836,725	\$358,597	\$1,195,322	70.0000%
Feature 1.2 - Permitting	\$249,154	\$106,780	\$355,934	70.0000%	-\$94,500	-\$40,500	-\$135,000	\$154,654	\$66,280	\$220,934	70.0000%
Feature 1.3 - ROW Support	\$172,047	\$73,734	\$245,781	70.0000%	\$35,000	\$15,000	\$50,000	\$207,047	\$88,734	\$295,781	70.0000%
Feature 2 - Construction Management	\$1,093,176	\$468,504	\$1,561,680	70.0000%	-\$105,000	-\$45,000	-\$150,000	\$988,176	\$423,504	\$1,411,680	70.0000%
Feature 3 - Construction	\$7,222,890	\$3,095,524	\$10,318,414	70.0000%	-\$840,000	-\$360,000	-\$1,200,000	\$6,382,890	\$2,735,524	\$9,118,414	70.0000%
Feature 4 - O&M manual	\$64,818	\$27,779	\$92,597	70.0000%	-\$56,000	-\$24,000	-\$80,000	\$8,818	\$3,779	\$12,597	70.0000%
<b>Subtotal Element 9</b>	<b>\$9,778,810</b>	<b>\$4,190,918</b>	<b>\$13,969,728</b>	<b>70.0000%</b>	<b>-\$1,200,500</b>	<b>-\$514,500</b>	<b>-\$1,715,000</b>	<b>\$8,578,310</b>	<b>\$3,676,418</b>	<b>\$12,254,728</b>	<b>70.0000%</b>

"revisedbudget12"

[1] Reflects Revisions Made in the 10th Quarterly Work Plan dated April 26, 2010.

TRLIA Proposed Overall Work Plan Budget Modifications

Project Elements and Features	Current Updated Budget [1]			Resulting State Cost Share	Proposed Budget Modification			Revised Overall Budget			Resulting State Cost Share
	State Budget (\$)	Local Budget (\$)	Total Budget (\$)		State Budget (\$)	Local Budget (\$)	Total Budget (\$)	State Budget (\$)	Local Budget (\$)	Total Budget (\$)	
<b>Element 9A: Feather River Segment 1 Crack Repair</b>											
Feature 1.1 - Engineering & CM	\$472,500	\$202,500	\$675,000	70.0000%	-\$385,000	-\$165,000	-\$550,000	\$87,500	\$37,500	\$125,000	70.0000%
Feature 1.2 - ROW Support	\$10,500	\$4,500	\$15,000	70.0000%	\$0	\$0	\$0	\$10,500	\$4,500	\$15,000	70.0000%
Feature 2 - Construction	\$910,000	\$390,000	\$1,300,000	70.0000%	-\$553,000	-\$237,000	-\$790,000	\$357,000	\$153,000	\$510,000	70.0000%
Feature 3 - O&M manual addendum	\$7,000	\$3,000	\$10,000	70.0000%	\$0	\$0	\$0	\$7,000	\$3,000	\$10,000	70.0000%
<b>Subtotal Element 9A</b>	<b>\$1,400,000</b>	<b>\$600,000</b>	<b>\$2,000,000</b>	<b>70.0000%</b>	<b>-\$938,000</b>	<b>-\$402,000</b>	<b>-\$1,340,000</b>	<b>\$462,000</b>	<b>\$198,000</b>	<b>\$660,000</b>	<b>70.0000%</b>
<b>Element 9B: Feather River Segment 1 V-Ditch Repair</b>											
Feature 1 - Eng., Des., & CM	\$0	\$0	\$0	N/A	\$133,000	\$57,000	\$190,000	\$133,000	\$57,000	\$190,000	70.0000%
Feature 2 - Construction	\$0	\$0	\$0	N/A	\$420,000	\$180,000	\$600,000	\$420,000	\$180,000	\$600,000	70.0000%
<b>Subtotal Element 9B</b>	<b>\$0</b>	<b>\$0</b>	<b>\$0</b>	<b>N/A</b>	<b>\$553,000</b>	<b>\$237,000</b>	<b>\$790,000</b>	<b>\$553,000</b>	<b>\$237,000</b>	<b>\$790,000</b>	<b>70.0000%</b>
<b>TOTAL ALL ELEMENTS</b>	<b>\$154,786,573</b>	<b>\$45,725,417</b>	<b>\$200,511,990</b>	<b>77.1957%</b>	<b>\$0</b>	<b>-\$9,092,257</b>	<b>-\$9,092,257</b>	<b>\$154,786,573</b>	<b>\$36,633,160</b>	<b>\$191,419,733</b>	<b>80.8624%</b>
							<b>Non Real Estate Budget</b>	<b>\$119,023,342</b>	<b>\$29,144,226</b>	<b>\$148,167,568</b>	

"revisedbudget12"

[1] Reflects Revisions Made in the 10th Quarterly Work Plan dated April 26, 2010.

## **Tab C: Modified Schedule shown by Project Element and Features**

The proposed EIP schedule below is broken out by project element and feature (see Tab A above).



**Tab D: Modified Project Element and Features Permits &  
 Environmental Documents**

<b><u>Project Element 2</u> Applicable Permit and Environmental Documentation (refer to exhibit A of overall TRLIA work plan)</b>			
<b>PERMITTING AGENCY</b>	<b>PERMIT</b>	<b>ACTION DONE</b>	<b>STATUS/COMMENTS</b>
The Central Valley Flood Protection Board	Encroachment Permits	Yes	The CVFPB General Manager issued a phased permit (#18227) on April 7, 2008 that allows construction in non-federal jurisdictional areas
California Central Valley Flood Protection Board	Encroachment Permit – Vegetated Wave Buffer	No	Application submitted in September 2009; <i>RD784 has agreed to perform maintenance. Anticipate permit to be issued in the 11<sup>th</sup> quarter</i>
California Central Valley Flood Protection Board	Encroachment Permit – Elderberry Mitigation Area	No	<i>Anticipate submission of application in 11<sup>th</sup> quarter. CVFPB may decide to not issue permit until safe harbor like agreements are in place for the Feather River floodway</i>
U.S. Fish and Wildlife Service	Endangered Species Act Compliance	Yes	Biological Opinion was approved on August 28, 2008
Native American Heritage Commission (NAHC)	Evaluation of effects on Native American burials or artifacts	Yes	Coordination with the NAHC was completed and MOA signed by all parties, on August 13, 2008
RWQCB, Region 5	National Pollution Discharge Elimination System (NPDES) Permit per Section 402 of the Clean Water Act	Yes	A NPDES permit (WDID # 5S5BC348901) was issued on 9/18/07 for Segments 1, 2, and 3.
Feather River Air Quality Management District (FRAQMD)	Authority to Construct	Yes	Contractor submitted Fugitive Dust Plan to FRAQMD
DFG	Streambed Alteration Agreement	Yes	The final Streambed Alteration Agreement was approved by DFG on January 2, 2008
Reclamation District 784 (RD 784)	Encroachment Permit	Yes	RD 784 is one of the project sponsors and coordination with RD 784 regarding levee encroachments is ongoing. RD 784 signed the

			application for the Central Valley Flood Protection Board encroachment permit with no objections.
Yuba County	Grading Permit	Yes	Grading permit was received in May 2008
State Mining and Geology Board (SMGB)	Reclamation Plan	Yes	The Reclamation Plan was approved and SMGB mining permit (No. 91-58-0026) issued for Ella and Platter/JTS Borrow sites on Sept 22, 2009.
CEQA	EIR	Yes	EIR certified by the TRLIA board on February 6, 2007 and a Notice of Determination filed with the State Clearinghouse (Number 2006062071) on February 8, 2007
CEQA	EIR Addendum #1	Yes	EIR addendum for offsite Platter Borrow site
CEQA	EIR Addendum #2	Yes	EIR addendum for Ella offsite borrow site
Section 104 Credit Application	Future federal projects cost Sharing	Yes	CVFPB submitted a request on June 15, 2007 for \$154.3M Section 104 credit to the Sacramento District.
Section 104 Credit Approval (N/A)	Future federal projects cost sharing	Yes	At the March 21 CVFPB meeting DWR stated it would waive the need for 104 credits – DWR waiver letter issued on May 2, 2008

<b>Project Element 3 Applicable Permit and Environmental Documentation (refer to exhibit A of overall TRLIA work plan)</b>			
<b>PERMITTING AGENCY</b>	<b>PERMIT</b>	<b>Action Done</b>	<b>STATUS/COMMENTS</b>
The Central Valley Flood Protection Board	Encroachment Permits	Yes	The CVFPB General Manager issued a phased permit (#18227) on April 7, 2008. The permit has two parts: Part A – Project Element 2 work to be done outside of jurisdictional waters of the U.S., and Part B – Project Element 3 work to be within jurisdictional waters of the U.S.
U.S. Army Corps of Engineers (Corps)	Section 10 Permit	Yes	Navigable waterways not affected
Corps	Section 404 Permit	Yes	Corps of Engineers signed the Feather River Setback Levee Environmental Impact Statement 404 permit Record of Decision on December 8, 2008 and



Modified Exhibit A - TRLIA  
 Agreement No. 4600008049

			the issued the final Feather River Setback 404 permit on December 15, 2008.
Corps	408 approval of project levee alteration	Yes	Corps of Engineers signed the Feather River Setback Levee Environmental Impact Statement 408 Authorization Record of Decision on December 8, 2008 and issued The Feather River Setback 408 Authorization on December 8, 2008.
Corps	Wetlands Delineation	Yes	Completed March 11, 2008
Corps	Wetlands Delineation	Yes	Amended September 30, 2008
Regional Water Quality Control Board (RWQCB); Central Valley Region (Region 5)	Section 401 Water Quality Certification	Yes	The Regional Water Quality Control Board signed the Section 401 Water Quality permit on November 24, 2008. Copy available on the
RWQCB, Region 5	National Pollution Discharge Elimination System (NPDES) Permit per Section 402 of the Clean Water Act	Yes	A NPDES permit (WDID # 5S5BC348901) was issued on 9/18/07 for Segments 1, 2, and 3.
Feather River Air Quality Management District (FRAQMD)	Authority to Construct	Yes	Contractor submitted a Fugitive Dust Plan to the FRAQMD prior to initiating construction on Segment 2.
U.S. Fish and Wildlife Service	Endangered Species Act Compliance	Yes	Biological Opinion was approved on August 28, 2008
National Marine Fisheries Service (NMFS)	Endangered Species Act Compliance	Yes	NMFS sent letter on December 13, 2007 concurring that setback levee is not likely to adversely affect any fish species under NMFS jurisdiction.
California Department of Fish and Game (DFG)	California Endangered Species Act Compliance	Yes	Section 2081 Permit received in August 2009
DFG	Streambed Alteration Agreement	Yes	The final Streambed Alteration Agreement was approved by DFG on January 2, 2008.
California State Lands Commission (SLC)	Encroachment Permit	Yes	All project facilities are outside SLC jurisdiction.
California Department of Forestry	Conversion of timberland to other uses.	Yes	No timberland conversion is required for the project.
The Resources Agency	Cancellation of Williamson Act Contract	Yes	No Williamson Act contract cancellations are required to implement the project.

Modified Exhibit A - TRLIA  
 Agreement No. 4600008049

California Department of Transportation (Caltrans)	Encroachment on or across a State highway	Yes	Project facilities do not encroach onto a State highway. However, construction equipment will likely use State Route 70 (SR 70). Development and implementation of a traffic control plan is being coordinated with Caltrans.
Native American Heritage Commission (NAHC)	Evaluation of effects on Native American burials or artifacts	Yes	Coordination with the NAHC was completed and MOA signed by all parties, on August 13, 2008.
State Office of Historic Preservation (SHPO)	Evaluation of effects on historic and cultural resources	Yes	Coordination with the SHPO was completed and MOA signed by all parties, on August 13, 2008.
Reclamation District 784 (RD 784)	Encroachment Permit	Yes	RD 784 is one of the project sponsors and coordination with RD 784 regarding levee encroachments is ongoing. RD 784 signed the application for the Reclamation Board encroachment permit with no objections.
Yuba County	Grading Permit	Yes	Grading permit was received in May 2008
State Mining and Geology Board (SMGB)	Reclamation Plan	Yes	The Reclamation Plan was approved and SMGB mining permit (No. 91-58-0026) issued for Ella and Platter/JTS Borrow sites on Sept 22, 2009.
CEQA	EIR	Yes	EIR certified by the TRLIA board on February 6, 2007 and a Notice of Determination filed with the State Clearinghouse (Number 2006062071) on February 8, 2007.
NEPA	EIS	Yes	Corps of Engineers Finalized the Environmental Impact Statement and signed the Record of Decision on December 8, 2008.
Section 104 Credit	Future federal projects cost Sharing	Yes	The Section 104 credit for this Project Element was issued by the Corps on April 3, 2009

<b>Project Element 4 Applicable Permit and Environmental Documentation (refer to exhibit A of overall TRLIA work plan)</b>			
<b>PERMITTING AGENCY</b>	<b>PERMIT</b>	<b>Action Done</b>	<b>STATUS/COMMENTS</b>
California Central Valley Flood Protection Board	Encroachment Permit	Yes	CVFPB issued permit No 18430 at the July 2009 Board meeting
U.S. Army Corps of Engineers (Corps)	Section 10 Permit	Yes	Navigable waterways not affected
Corps	Section 404 Permit	Yes	Corps of Engineers signed the Feather River Setback Levee Environmental Impact Statement 404 permit Record of Decision on December 8, 2008 and the issued the final Feather River Setback 404 permit on December 15, 2008.
Corps	408 approval of project levee alteration	Yes	Corps of Engineers signed the Feather River Setback Levee Environmental Impact Statement 408 Authorization Record of Decision on December 8, 2008 and issued The Feather River Setback 408 Authorization on December 8, 2008.
Corps	Wetlands Delineation	Yes	Completed March 11, 2008
Corps	Wetlands Delineation	Yes	Amended September 30, 2008
Regional Water Quality Control Board (RWQCB); Central Valley Region (Region 5)	Section 401 Water Quality Certification	Yes	The Regional Water Quality Control Board signed the Section 401 Water Quality permit on November 24, 2008.
RWQCB, Region 5	National Pollution Discharge Elimination System (NPDES) Permit per Section 402 of the Clean Water Act	Yes	A NPDES permit (WDID # 5S5BC348901) was issued on 9/18/07 for Segments 1, 2, and 3.
Feather River Air Quality Management District (FRAQMD)	Authority to Construct	Yes	Contractor submitted a Fugitive Dust Plan to the FRAQMD prior to initiating construction on Segment 2.
U.S. Fish and Wildlife Service	Endangered Species Act Compliance	Yes	Biological Opinion was approved on August 28, 2008
National Marine Fisheries Service (NMFS)	Endangered Species Act Compliance	Yes	NMFS sent letter on December 13, 2007 concurring that setback levee is not likely to adversely affect any fish species under NMFS jurisdiction.
California Department of Fish and Game (DFG)	California Endangered Species Act Compliance	Yes	Section 2081 Permit received in August 2009
DFG	Streambed Alteration	Yes	The final Streambed Alteration

Modified Exhibit A - TRLIA  
 Agreement No. 4600008049

	Agreement		Agreement was approved by DFG on January 2, 2008.
California State Lands Commission (SLC)	Encroachment Permit	Yes	All project facilities are outside SLC jurisdiction.
California Department of Forestry	Conversion of timberland to other uses.	Yes	No timberland conversion is required for the project.
The Resources Agency	Cancellation of Williamson Act Contract	Yes	No Williamson Act contract cancellations are required to implement the project.
California Department of Transportation (Caltrans)	Encroachment on or across a State highway	Yes	Project facilities do not encroach onto a State highway. However, construction equipment will likely use State Route 70 (SR 70). Development and implementation of a traffic control plan is being coordinated with Caltrans.
Native American Heritage Commission (NAHC)	Evaluation of effects on Native American burials or artifacts	Yes	Coordination with the NAHC was completed and MOA signed by all parties, on August 13, 2008.
State Office of Historic Preservation (SHPO)	Evaluation of effects on historic and cultural resources	Yes	Coordination with the SHPO was completed and MOA signed by all parties, on August 13, 2008.
Reclamation District 784 (RD 784)	Encroachment Permit	Yes	RD 784 is one of the project sponsors and coordination with RD 784 regarding levee encroachments is ongoing. RD 784 signed the application for the Reclamation Board encroachment permit with no objections.
Yuba County	Grading Permit	Yes	Grading permit was received in May 2008
State Mining and Geology Board (SMGB)	Reclamation Plan	Yes	The Reclamation Plan was approved and SMGB mining permit (No. 91-58-0026) issued for Ella and Platter/JTS Borrow sites on Sept 22, 2009.
CEQA	EIR	Yes	EIR certified by the TRLIA board on February 6, 2007 and a Notice of Determination filed with the State Clearinghouse (Number 2006062071) on February 8, 2007.
NEPA	EIS	Yes	Corps of Engineers Finalized the Feather River Setback Levee Environmental Impact Statement and

			signed the Record of Decision on December 8, 2008.
Section 104 Credit	Future federal projects cost Sharing	Yes	The Section 104 credit for this Project Element was issued by the Corps on April 3, 2009

<b>Project Element 5 Applicable Permit and Environmental Documentation (refer to exhibit A of overall TRLIA work plan)</b>			
<b>PERMITTING AGENCY</b>	<b>PERMIT</b>	<b>ACTION DONE</b>	<b>STATUS/COMMENT</b>
Central Valley Flood Protection Board (CVFPB)	Encroachment Permit	Yes	Permit No. 18170 BD issued on August 7, 2007.
Central Valley Flood Protection Board (CVFPB)	Encroachment Permit	Yes	Permit No. 18170 BD permit modified for seepage berm to provide final fix for cutoff wall trench cave-in, issued on 7/17/08
U.S. Army Corps of Engineers (Corps)	Section 10 Permit	Yes	Navigable waterways not affected
Corps	Section 404 Permit	Yes	No jurisdictional features affected. Corps issued "Letter of No Permit Required" on July 23, 2007
Corps	408 Approval of project levee alteration	Yes	Finding of No Significant Impact (FONSI) issued by Corps of Engineers on July 11, 2007. Corps approved Section 408 alteration on August 2, 2007.
Regional Water Quality Control Board (RWQCB); Central Valley Region (Region 5)	Section 401 Water Quality Certification	Yes	No 404 permit triggering 401 compliance. RWQCB sent email on August 15, 2007 verifying that 401 certification was not necessary
RWQCB, Region 5	National Pollution Discharge Elimination System (NPDES) Permit per Section 402 of the Clean Water Act	Yes	A NPDES permit (WDID # 5S5BC348901) was issued on 9/18/07. A Storm water Pollution Prevention Plan (SWPPP) has been developed and is being followed.
Feather River Air Quality Management District (FRAQMD)	Authority to Construct	Yes	Contractor's Fugitive Dust Plan has been developed and submitted to the FRAQMD.
U.S. Fish and Wildlife Service	Endangered Species Act Compliance	Yes	Project design and mitigation measures prevent take of threatened and endangered species. FWS sent a letter on May 7, 2007 agreeing that there were no impacts to any

Modified Exhibit A - TRLIA  
 Agreement No. 4600008049

			endangered species.
National Marine Fisheries Service	Endangered Species Act Compliance	Yes	Project will have no affect on fishery resources and habitats.
California Department of Fish and Game (DFG)	California Endangered Species Act Compliance	Yes	Project design and mitigation measures prevent take of threatened and endangered species.
DFG	Streambed Alteration Agreement	Yes	All ground disturbances is above the Feather River ordinary high water mark. Neither the bed nor bank of the river will be disturbed. DFG sent letter on May 2, 2007 verifying that a Streambed Alteration Agreement was not required.
California State Lands Commission (SLC)	Encroachment Permit	Yes	All ground disturbance is above the Feather River ordinary high water mark and outside SLC jurisdiction.
California Department of Forestry	Conversion of timberland to other uses.	Yes	No timberland conversion is required for the project.
The Resources Agency	Cancellation of Williamson Act Contract	Yes	No Williamson Act contract cancellations are required to implement the project.
California Department of Transportation (Caltrans)	Encroachment on or across a State highway	Yes	Project facilities do not encroach onto a State highway. However, construction equipment will likely use State Route 70 (SR 70). Development and implementation of a traffic control plan is being coordinated with Caltrans.
Caltrans	Encroachment on Caltrans property	Yes	A portion of a stability berm encroaches a short distance onto property owned by Caltrans used for habitat mitigation. A real estate easement for this berm was obtained from Caltrans. No adverse effects to protected habitats occur.
Native American Heritage Commission (NAHC)	Evaluation of effects on Native American burials or artifacts	Yes	Coordination with the NAHC has occurred and no known Native American sites or sensitive areas would be affected by the project
State Office of Historic Preservation (SHPO)	Evaluation of effects on historic and cultural resources	Yes	No known sensitive historic or cultural resources would be affected by the project. SHPO sent letter on July 16, 2007 agreeing that no impacts to historic or cultural resources were occurring.

Reclamation District 784 (RD 784)	Encroachment Permit	Yes	RD 784 is one of the project sponsors and coordination with RD 784 regarding levee encroachments is ongoing. RD 784 signed the application for a CVFPB encroachment permit
Yuba County	Grading Permit	Yes	Yuba County is one of the project sponsors and coordination with the County regarding construction of this project continues.
CEQA	EIR Processed for Various Permits	Yes	EIR certified by the TRLIA board on February 6, 2007 and a Notice of Determination filed with the State Clearinghouse (Number 2006062071) on February 8, 2007
CEQA	EIR Addendum # 2	Yes	EIR addendum for the Seepage berm addition needed to provide the final solution to the cutoff wall trench failure.
Section 104 Credit	Future federal projects cost sharing	Yes	\$32.7 M Section 104 credit approved by Corps HQ on August 7, 2007

**Project Element 5A: Feather River Erosion Site 2**

<b>PERMITTING AGENCY</b>	<b>PERMIT</b>	<b>ACTION DONE</b>	<b>STATUS/COMMENT</b>
Central Valley Flood Protection Board	Encroachment Permits	Yes	Encroachment permit No. 18479 issued on September 10, 2009
Corps	Section 404 Permit	Yes	Obtained Nationwide Permit, application submitted to Corps on June 25, 2009
Corps	Wetlands Delineation	Yes	Delineation submitted to Corps on May 27, 2009
Corps	408 approval of project levee alteration	Yes	Corps does not consider this as eligible under the Section 408 approval given for Segments 1 & 3. Per discussion with the Corps, they will approve work under Section 208 authority when they comment on the CVFPB Encroachment Permit Application.
Regional Water Quality Control Board (RWQCB); Central Valley Region (Region 5)	Section 401 Water Quality Certification	Yes	Obtained on July 9, 2009
RWQCB, Region 5	National Pollution	Yes	TRLIA has a current WDID #

Modified Exhibit A - TRLIA  
 Agreement No. 4600008049

	Discharge Elimination System (NPDES) Permit per Section 402 of the Clean Water Act		5S5BC348901 that was issued by the Regional Water Quality Control Board. The permit covers Feather River Segments 1, 2, and 3 and encompasses the Erosion Site. This permit is current.
Feather River Air Quality Management District (FRAQMD)	Authority to Construct	Yes	Used Documentation provided for Project Element 5
U.S. Fish and Wildlife Service	Endangered Species Act Compliance (Biological Opinion)	Yes	Biological opinion prepared, take avoided, no Incidental Take authorization needed.
National Marine Fisheries Service (NMFS)	Endangered Species Act Compliance	Yes	Biological opinion prepared, take avoided, no Incidental Take authorization needed.
California Department of Fish and Game (DFG)	California Endangered Species Act Compliance (2081)	Yes	No potential take of State listed species.
DFG	Streambed Alteration Agreement	Yes	Obtained on July 9, 2009
Native American Heritage Commission (NAHC)	Evaluation of effects on Native American burials or artifacts	Yes	Cultural resources surveys and consultation with Native American groups have found no evidence of burials or artifacts
State Office of Historic Preservation (SHPO)	Evaluation of effects on historic and cultural resources	Yes	Cultural resources surveys and consultation with Native American groups have found no evidence of significant historic or cultural resources
Reclamation District 784 (RD 784)	Encroachment Permit	Yes	RD 784 is one of the project sponsors and coordination with RD 784 regarding levee encroachments is ongoing. RD 784 signed the application for the Reclamation Board encroachment permit with minor conditions.
Yuba County	Grading Permit	Yes	Used Documentation provided for Project Element 5



State Mining and Geology Board (SMGB)	SMARA Permit	Yes	The Reclamation Plan was approved and SMGB mining permit (No. 91-58-0026) issued for Ella and Platter/JTS Borrow sites on Sept 22, 2009. Used Ella Site.
CEQA	EIR	Yes	ISIMND certified by TRLIA Board on 10/17/06
NEPA	EIS	Yes	No federal action constituting a NEPA trigger
Section 104 Credit	Future federal projects cost sharing	Yes	Work is not eligible for Section 104 Credit because it being accomplished under Section 208 authority and was not approved under Section 408 authority.

<b>Project Element 9, 9A, &amp; 9B Permit and Environmental Documentation</b>			
<b>PERMITTING AGENCY</b>	<b>PERMIT</b>	<b>ACTION DONE</b>	<b>STATUS/COMMENT</b>
The Central Valley Flood Protection Board	Encroachment Permit	Yes	Permit No. 18170 BD issued on August 7, 2007.
The Central Valley Flood Protection Board	Encroachment Permit	Yes	Permit No. 18170 BD modified for design changes, issued on 7/17/08
U.S. Army Corps of Engineers (Corps)	Section 10 Permit	Yes	Navigable waterways not affected
Corps	Section 404 Permit	Yes	No jurisdictional features affected. Corps issued "Letter of No Permit Required" on July 23, 2007. Subsequently, a Nationwide permit was received in July 2008 allowing repairs to sinkholes observed on the waterside toe of the existing levee in a reach of the Site 7 Extension segment of levee.
Corps	408 Approval of project levee alteration	Yes	Finding of No Significant Impact (FONSI) issued by Corps of Engineers on July 11, 2007. Corps approved Section 408 alteration on August 2, 2007. Subsequently, water quality certification was received in July 2008 allowing repairs to sinkholes observed on the waterside toe of the existing levee in a reach of the Site 7 Extension segment of levee.

Modified Exhibit A - TRLIA  
 Agreement No. 4600008049

Regional Water Quality Control Board (RWQCB); Central Valley Region (Region 5)	Section 401 Water Quality Certification	Yes	No 404 permit triggering 401 compliance. RWQCB sent email on August 15, 2007 verifying that 401 certification was not necessary
RWQCB, Region 5	National Pollution Discharge Elimination System (NPDES) Permit per Section 402 of the Clean Water Act	Yes	A NPDES permit (WDID # 5S5BC348901) was issued on 9/18/07. A Storm water Pollution Prevention Plan (SWPPP) has been developed and is being followed.
Feather River Air Quality Management District (FRAQMD)	Authority to Construct	Yes	Contractor's Fugitive Dust Plan has been developed and submitted to the FRAQMD.
U.S. Fish and Wildlife Service	Endangered Species Act Compliance	Yes	Project design and mitigation measures prevent take of threatened and endangered species. FWS sent a letter on May 7, 2007 agreeing that there were no impacts to any endangered species.
National Marine Fisheries Service	Endangered Species Act Compliance	Yes	Project will have no affect on fishery resources and habitats.
California Department of Fish and Game (DFG)	California Endangered Species Act Compliance	Yes	Project design and mitigation measures prevent take of threatened and endangered species.
DFG	Streambed Alteration Agreement	Yes	All ground disturbance is above the Feather River ordinary high water mark. Neither the bed nor bank of the river will be disturbed. DFG sent letter on May 2, 2007 verifying that a Streambed Alteration Agreement was not required. Subsequently, a streambed authorization permit was received in June 2008 allowing repairs to sinkholes observed on the waterside toe of the existing levee in a reach of the Site 7 Extension segment of levee.
California State Lands Commission (SLC)	Encroachment Permit	Yes	All ground disturbance is above the Feather River ordinary high water mark and outside SLC jurisdiction.
California Department of Forestry	Conversion of timberland to other uses.	Yes	No timberland conversion is required for the project.
The Resources Agency	Cancellation of Williamson Act Contract	Yes	No Williamson Act contract cancellations are required to implement the project.

Modified Exhibit A - TRLIA  
 Agreement No. 4600008049

California Department of Transportation (Caltrans)	Encroachment on or across a State highway	Yes	Project facilities do not encroach onto a State highway. However, construction equipment will likely use State Route 70 (SR 70). Development and implementation of a traffic control plan is being coordinated with Caltrans.
Caltrans	Encroachment on Caltrans property	Yes	A portion of a stability berm encroaches a short distance onto property owned by Caltrans used for habitat mitigation. A real estate easement for this berm was obtained from Caltrans. No adverse effects to protected habitats occur.
Native American Heritage Commission (NAHC)	Evaluation of effects on Native American burials or artifacts	Yes	Coordination with the NAHC has occurred and no known Native American sites or sensitive areas would be affected by the project
State Office of Historic Preservation (SHPO)	Evaluation of effects on historic and cultural resources	Yes	No known sensitive historic or cultural resources would be affected by the project. SHPO sent letter on July 16, 2007 agreeing that no impacts to historic or cultural resources were occurring.
Reclamation District 784 (RD 784)	Encroachment Permit	Yes	RD 784 is one of the project sponsors and coordination with RD 784 regarding levee encroachments is ongoing. RD 784 signed the application for a CVFPB encroachment permit with no objections.
Yuba County	Grading Permit	Yes	Yuba County is one of the project sponsors and coordination with the County regarding construction of this project continues.
CEQA	EIR Processed for Various Permits	Yes	EIR certified by the TRLIA board on February 6, 2007 and a Notice of Determination filed with the State Clearinghouse (Number 2006062071) on February 8, 2007
CEQA	CEQA Addendum #2	Yes	EIR addendum for the Water Blanket modifications.
Section 104 Credit	Future federal projects cost sharing	Yes	\$32.7 M Section 104 credit approved by Corps HQ on August 7, 2007