Three Rivers Levee Improvement Authority (TRLIA)

200-year Goldfields Levee Project

Urban Flood Risk Reduction (UFRR) Funding Agreement #4600012115 Dated: October 4, 2017

Quarter 2 Report

January – March 2017

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March 26, 2018

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1. Background

As part of its 200-Year Goldfields Levee Project (Project), the Three Rivers Levee Improvement Authority (TRLIA) is constructing a new levee, approximately 3.6 miles long, to replace the deteriorating conditions of the high ground at the termination of the State Plan of Flood Control (SPFC) facility at the Yuba Goldfields. The Project is being funded by the State of California Urban Flood Risk Reduction (UFRR) Program via Funding Agreement #4600012115, which became effective on October 4, 2017. The cost of the Project, as reflected in the UFRR Funding Agreement, is \$41,265,000, with the State's cost share being \$32,600,000.

TRLIA finalized California Environmental Quality Act (CEQA) documentation and adopted a Mitigation Monitoring and Reporting Program (MMRP) on September 15, 2015. Teichert Inc. filed a CEQA lawsuit, and TRLIA subsequently entered into a CEQA settlement agreement in February 2017. Based on the settlement agreement, TRLIA is adjusting a portion of the selected alternative alignment and is completing a supplement to the original CEQA document.

A condition of the UFRR Funding Agreement is that, due to the requirements of the Proposition 1E General Obligation Bond (Pub. Resources Code, § 5096.821), the Project must be added to the SPFC. The California Department of Water Resources (DWR) has identified paths for the Project to be added to the SPFC, as well as activities that can be started, prior to the Project's inclusion into the SPFC. Specifically, as long as a clear path is identified and progress is made towards one of the paths identified, the Project will be conditionally funded for design, real estate support, CEQA/National Environmental Policy Act (NEPA) activities, and other related expenses. DWR will not commit funds for real estate acquisition or any construction activities prior to the Project's inclusion into the SPFC. If at any time Federal authorization is not reasonably foreseeable, all committed funding will be withdrawn and the Funding Agreement will be terminated. Given the time limitations of the bond funding, and the required duration for right-of-way acquisition, permitting, and construction activities, adequate progress on securing a path to the SPFC will need to be established by December 2018.

2. Summary

Ongoing erosion of the upstream high ground in the Goldfields area, which allows flood flows from the Yuba River to flank the existing TRLIA levee improvements, creates an urgent and critical need for this Project to be completed as quickly as possible. Therefore, TRLIA began work on tasks within Elements 2, 3, and 4 immediately after the submittal of the UFRR application. TRLIA submitted an initial credit request on October 23, 2017, covering eligible Project expenses that were incurred through August 31, 2017. On February 14, 2018 DWR

approved the initial credit request in the State's share of \$575,807.83. TRLIA has prepared a supplemental request covering the period after the initial credit request through October 3, 2017. The State's share is \$585,204.87. On June 20, 2018 TRLIA submitted a revised supplemental credit request adjusting ENGEO's reimbursable expenses markup from 20% down to 5%. The State's share of the supplemental request is \$561,909.92.

As shown in Table 2-1 and further detailed in Section 10, TRLIA is requesting an advance payment in the amount of: \$541,240, covering the 6-month period of January 1, 2018, through June 2018. TRLIA is also requesting a True-Up of Local Credit for Costs incurred in the 1st Quarter (October 4 through December 31, 2017).

Table 2-1. TRLIA- 200-Year Goldfields Levee Project: Advance Summary

Description	Amount
90% of State Share for Elements 1-7 [1] Local Credit True-Up [2]	\$489,202 \$52,038
Total Quarterly Advance Request	\$541,240

^[1] Represents Quarters 2 & 3 net of True-Up for previously advanced Quarter 1

Significant activities occurring in Quarter 2 (January – March 2018), include:

- Continue working to finalize the levee alignment;
- Continue collection of geotechnical field data;
- Begin preliminary levee design work;
- Finalize DWSE; and
- Continue working with the U.S. Army Corps of Engineers (USACE), DWR, and the Central Valley Flood Protection Board (CVFPB) to add the Project to the SPFC.

^[2] Represents Quarter 1 Local Credit True-Up

3. Project Scope of Work

Quarter 2 Report: This report covers the following quarters:

• Previous Quarter: October 4, 2017 – December 2017 (Quarter 1)

Current Quarter: January – March 2018 (Quarter 2)
 Next Quarter: April – June 2018 (Quarter 3)

The following is a discussion of the work completed in the prior quarter (Previous Quarter), work occurring in the Current Quarter, and work planned for the Next Quarter.

3.1. Element 1: Grant Application

Complete. Work was performed for the grant application from the time of initial application submittal in June 2015 until the execution of the final agreement in October 2017. This Element is completed.

3.2. Element 2: Program Management

Previous Quarter 1: TRLIA will support program implementation, which includes advancing design; acquiring permits; right of acquisition; performing public outreach; adding the Project to the SPFC; working towards execution of an Operation, Maintenance, Repair, Replacement, and Rehabilitation (OMRR&R) agreement; financial reporting; and grant and funding agreement administration, throughout the duration of the Project.

Current Quarter. Quarter 2: Same as previous quarter.

Next Quarter. Quarter 3: Same as previous quarter.

3.3. Element 3: Design and Right-of-Way Support

Previous Quarter. Quarter 1:

<u>Design</u>: The TRLIA team conducted activities related to Phase 2 geotechnical investigations scheduled to occur in Quarter 2. The first Safety Assurance Review (SAR) meeting is scheduled for December 5, 2017.

<u>Right-of-Way Support</u>: The TRLIA team will continue to quantify right-of-way needs for the Project (levee footprint, borrow site(s), ecological, and construction). TRLIA will continue to meet with the impacted property owners. TRLIA plans on submitting a property acquisition strategy to DWR during Quarter 1. This strategy is a precursor to the UFRR's Real Estate Plan agreement that will be submitted in 2018.

As previously reported, due to the family circumstances of the Chris and Sarah Ludwick, TRLIA actively pursued the acquisition of the Ludwick property, prior to the December 2018 UFRR Real Estate Plan agreement date.

Current Quarter. Quarter 2:

<u>Design</u>: The TRLIA team will continue to advance preliminary design of the Project. Activities will include executing the Phase 2 geotechnical investigations, beginning additional seepage and stability analyses to identify an effective levee cross-section (subject to data collection), evaluating borrow needs and sources, identifying and evaluating utility, irrigation and transportation challenges.

<u>Right-of-Way Support</u>: The TRLIA team will continue to quantify right-of-way needs for the Project (levee footprint, borrow site (s), ecological, and construction). TRLIA will continue to meet with the impacted property owners. As the levee alignment and borrow site locations become more formalized, TRLIA will begin preparation of the UFRR Real Estate Plan.

The Chris and Sarah Ludwick acquisition is complete. TRLIA understands that acquiring the property early is at TRLIA's risk, and the State will not cost share now and may opt not to cost share in the future.

Next Quarter. Quarter 3:

<u>Design</u>: The TRLIA team will continue to advance preliminary design of the Project. Activities will include completing the Phase 2 geotechnical investigations, performing additional seepage and stability analyses to identify an effective levee cross-section, evaluating borrow needs and sources, identifying and evaluating utility, irrigation and transportation challenges.

<u>Right-of-Way Support</u>: The TRLIA team will continue to quantify right-of-way needs for the Project (levee footprint, borrow site (s), ecological, and construction). TRLIA will continue to meet with the impacted property owners. As the levee alignment and borrow site locations become more formalized, TRLIA will begin preparation of the UFRR Real Estate Plan.

3.4. Element 4: Environmental Review and Permitting

Previous Quarter. Quarter 1:

<u>Environmental Review</u>: Limited activities occurred during Quarter 1. Activities were focused on evaluating differences among alignment options across the Wilbur property.

<u>Permitting</u>: Limited activities occurred during Quarter 1. Discussions with USACE on the wetland delineation continued. Discussions regarding a path toward adding the Project to the SPFC continued with CVFPB and DWR.

Current Quarter. Quarter 2:

<u>Environmental Review</u>: Limited activities are occurring during Quarter 2. Activities occurring include preliminary evaluation of differences between alternatives identified in the original EIR and the proposed alignment refinement.

<u>Permitting</u>: Limited activities are occurring during Quarter 2. Discussions will continue with DWR and CVFPB regarding addition of the Project to the SPFC.

Next Quarter. Quarter 3:

Environmental Review: Planned activities include development of NEPA and CEQA documents once a revised footprint has been finalized (i.e., pending preliminary seepage analyses). Preparation of A joint CEQA/NEPA Scoping meeting is anticipated to take place during February 2018. The TRLIA team will continue to work with the USACE on the NEPA documentation for the planned Section 404 permit and Section 408 permission.

<u>Permitting</u>: Limited activities are planned for Quarter 3. Planned activities include continued discussion with USACE, DWR and CVFPB regarding the addition of the project to the SPFC; revisions to consultation documents to reflect revised footprint (pending design activities); and development of Section 404 application.

3.5. Element 5: Right-of-Way Acquisition (Post Addition to SPFC)

Previous Quarter. Quarter 1: Activities related to acquisition of the Ludwick property occurred during the quarter.

Current Quarter. Quarter 2: Acquisition of the Ludwick property was completed in Quarter 2.

Next Quarter. Quarter 3. No activity.

3.6. Element 6: Construction, Mitigation, and other Project activities (Post Addition to SPFC)

Previous Quarter 1: No Activity

Current Quarter. Quarter 2: No Activity

Next Quarter. Quarter 3. No activity.

3.7. Element 7: Closeout Process (Post Addition to SPFC)

Previous Quarter. Quarter 1: No Activity

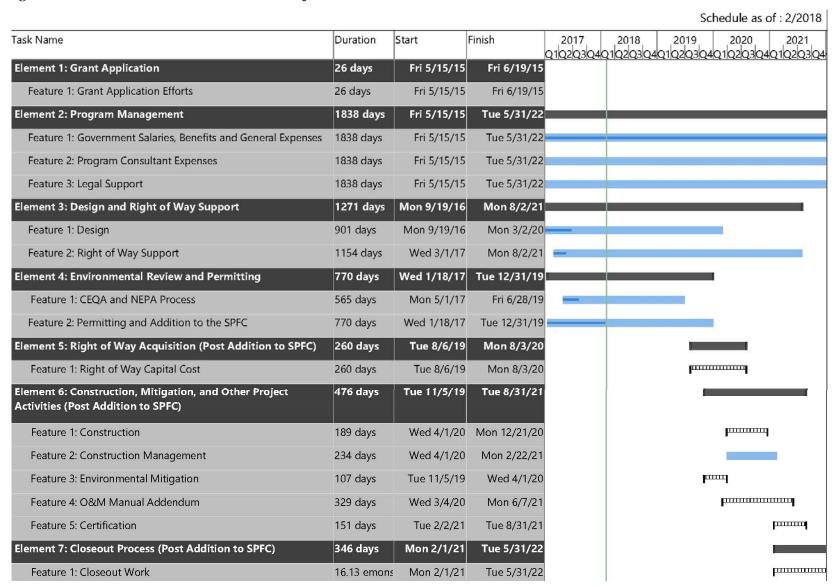
Current Quarter. Quarter 2: No Activity

Next Quarter. Quarter 3. No activity.

4. Project Schedule

Despite previous reported challenges in 2017, TRLIA anticipates delivering the Project within the original timeframe (2021), and prior to the expiration of the UFRR Funding Agreement (2022).

Figure 4-1. Schedule of 200-Year Goldfields Project



5. Project Budget

The current Overall Work Plan Budget is summarized in Table 5-1. There are no changes to the budget proposed within this Quarterly Report.

Table 5-1. TRLIA - 200-Year Goldfields Levee Project: Overall Work Plan Budget Summary

Element	Description	Funding Agreement Budget	Current Budget	State Share \$ [1]
1	Grant Application	\$25,100	\$25,100	\$19,829
2	Program Management	\$2,250,000	\$2,250,000	\$1,777,501
3	Design & ROW Support	\$5,892,300	\$5,892,300	\$4,654,920
4	Envrionmental Review & Permitting	\$1,015,700	\$1,015,700	\$802,403
5	ROW Acquisition (Post Add to SPFC)	\$8,327,100	\$8,327,100	\$6,578,413
6	Construction, Mitigation, & Other Project Activites	\$23,659,900	\$23,659,900	\$18,691,331
7	Closeout Process (Post Add to SPFC)	\$95,700	\$95,700	\$75,603
Total		\$41,265,800	\$41,265,800	\$32,600,000

^[1] State cost share is 85%. State Budget shown here is reduced to reflect State share of eligible portion of Total Budget capped proportionately reduced to reflect the funding Agreement Limit of \$32,600,000.

6. Deviations in Scope, Schedule, and Budget

There are no deviations at the time of this report. The Project schedule and costs will be evaluated during the quarter, and any deviations will be reported in the next quarterly report.

7. Risk Analysis and Impact Discussion

The UFRR Funding Agreement requires TRLIA to identify a clear path for adding the proposed levee to the SPFC by December 2018. The Section 408 process is a path that both TRLIA and the State believe should work; however, USACE representatives have been reluctant to allow the use of the Section 408 process to accomplish this action. The State (DWR & CVFPB) and TRLIA are exploring other options, including the option that the State add the Project to the SPFC using its own authority.

8. Legal Issues

No past, current, or future legal issues to report on at this time.

9. Actual and Projected Costs

Credit Period (Update): On October 23, 2017, TRLIA submitted an Initial Credit Request for the State's review and approval. A detailed statement of actual costs and a signed invoice were provided in the October 2017 TRLIA credit request. This initial request covered costs incurred through August 2017. On February 14, 2018 DWR approved the initial request in the State's share of \$575,807.83. A supplemental request has been prepared covering cost incurred after the initial credit request to October 3, 2017. The Total Expenses associated with the supplemental request is \$688,476.32 and the State's share is \$585,204.87. On June 20, 2018 TRLIA submitted a revised supplemental credit request adjusting ENGEO's reimbursable expenses markup from 20% down to 5%. The State's share of the supplemental request is \$561,909.92.

Table 9-1 on the following page provides a summary of the previously projected costs for Quarters 1 & 2 as compared to the actual Costs for Quarter 1 based on TRLIA's March 28, 2017 Statement of Cost. **Table 9-1** also shows the State Share True-Up amount and Local Credit True-Up amounts for the actual costs incurred for Quarter 1.

Table 9-2 provides a reconciliation of the approved credit and approved and projected credit payments.

Table 9-1. TRLIA - 200-Year Goldfields Levee Project Projected Cost

Element	Description	State Cost Share	Previously Projected Costs [1]	Actual Costs for Quarter 1 [2]	Difference between QTR and Actual	Actual State Cost Share	Local Creditable Cost Share
1	Grant Application	85%	\$0	\$0	\$0	\$0	\$0
2	Program Management	85%	\$242,386	\$69,933	\$172,453	\$59,443	\$10,490
3	Design & ROW Support	85%	\$920,365	\$254,517	\$665,848	\$216,339	\$38,178
4	Envrionmental Review & Permitting	85%	\$211,679	\$22,467	\$189,212	\$19,097	\$3,370
5	ROW Acquisition (Post Add to SPFC)	85%	\$0	\$0	\$0	\$0	\$0
6	Construction, Mitigation, & Other Project A	85%	\$0	\$0	\$0	\$0	\$0
7	Closeout Process (Post Add to SPFC)	85%	\$0	\$0	\$0	\$0	\$0
Total			\$1,374,430	\$346,917	\$1,027,513	\$294,880	\$52,038

^[1] Quarters 1 & 2 from Q1 Report

^[2] Reference Quarter 1 Statement of Cost (subject to DWR review)

Table 9-2. TRLIA – 200-Year Goldfields Levee Project Local Credit Reconciliation

Description	Amount
Total Use of Credit for Local Share this quarter	\$250,049
Total Local Share Eligible for Credit with Advance	
Total Use of Credit	
Initial Starting Credit Request	\$677,421
pending Supplemental Credit Request	\$688,476
Authorized Local Credit by DWR (to date)	\$677,421
less Credit Payments received (Credit Payment No. 1)	N/A
Remaining Authorized Local Credit	\$677,421

10. Payment Requested and State Disbursements

This section of the report has been updated (relative to the Quarter 1 report) to include an accounting of quarterly costs incurred from the prior quarter as documented within the submitted quarterly Statement of Cost and any requested true-up funding. This requested funding is summarized in the following four tables listed below.

Based on the projected costs for Quarter 2 and Quarter 3, TRLIA requests an advance of \$489,202 covering 90% of the State's share for the next two-quarters less funding received from the advance received from the prior Quarter Report (reference Tables 10-1 & 10-2 on the following page).

Table 10-1 shows projected costs and advance request relative to the true-up from prior advances.

Table 10-2 provides the detail of the excess funding shown on Table 10-1. Excess funding was determined based on the 90% of the State's share Quarters 1 & 2 Advance Payment less Quarter 1 State share True-up less retention.

Table 10-3 shows the remaining state budget after prior State payments as well as the projected remaining budget after the payment requests shown on Table 10-1.

Table 10-4 shows a ledger of payments made to date and the remaining grant balance.

Table 10-1. TRLIA- 200-Year Goldfields Levee Project: Advance Request

Element	Description	Projected Costs [1] A	State Share 85%	Advance State Share Funding Requested C = B * 90%	less Excess Funding from Prior Advances [2] D	Remaining Advanced Request
1	Grant Application	A \$0	\$0	\$0	\$0	\$0
2	Program Management	\$249,585	\$212,147	\$190,933	(\$131,927)	
3	Design & ROW Support	\$1,168,604	\$993,314	\$893,982	(\$509,374)	
4	Envrionmental Review & Permitting	\$248,803	\$211,483	\$190,335	(\$144,747)	\$45,587
5	ROW Acquisition (Post Add to SPFC)	\$0	\$0	\$0	\$0	\$0
6	Construction, Mitigation, & Other Project Activites	\$0	\$0	\$0	\$0	\$0
7	Closeout Process (Post Add to SPFC)	\$0	\$0	\$0	\$0	\$0
Total		\$1,666,993	\$1,416,944	\$1,275,250	(\$786,047)	\$489,202

^[1] Covers period from 1/1/2018 through 6/30/2018 (Q2 and Q3)

^[2] Reference Table 10-2

Table 10-2. TRLIA- 200-Year Goldfields Levee Project: Summary of True-Up Costs to Advances

Quarters 1 & 2 (to date)

		Qualities 2 & 2 (10 dute)							
				Advance					
Element	t Description	True-Up Costs (State Share)	Witheld Retention	Payments Received	True-Up Funding (Excess)				
		Α	В	С	C = A - C - B				
1	Grant Application	\$0	\$0	\$0	\$0				
2	Program Management	\$59,443	\$5,944	\$185,425	(\$131,927)				
3	Design & ROW Support	\$216,339	\$21,634	\$704,079	(\$509,374)				
4	Envrionmental Review & Permitting	\$19,097	\$1,910	\$161,935	(\$144,747)				
5	ROW Acquisition (Post Add to SPFC)	\$0	\$0	\$0	\$0				
6	Construction, Mitigation, & Other Project Activ	\$0	\$0	\$0	\$0				
7	Closeout Process (Post Add to SPFC)	\$0	\$0	\$0	\$0				
		\$294,880	\$29,488	\$1,051,439	(\$786,047)				

Table 10-3. TRLIA- 200-Year Goldfields Levee Project: Budget and Payment Reconciliation

Element	Description	Prior State Payments	State Share Budget	Remaining Budget (Prior State Payments)	Advanced Request Quarters 2 & 3	Remaining Budget
		Α	В	C=B-A	D	E=B-A-D
1	Grant Application	\$0	\$19,829	\$19,829	\$0	\$19,829
2	Program Management	\$185,425	\$1,777,501	\$1,592,076	\$59,006	\$1,533,070
3	Design & ROW Support	\$704,079	\$4,654,920	\$3,950,840	\$384,609	\$3,566,232
4	Envrionmental Review & Permitting	\$161,935	\$802,403	\$640,469	\$45,587	\$594,881
5	ROW Acquisition (Post Add to SPFC)	\$0	\$6,578,413	\$6,578,413	\$0	\$6,578,413
6	Construction, Mitigation, & Other Project Activites	\$0	\$18,691,331	\$18,691,331	\$0	\$18,691,331
7	Closeout Process (Post Add to SPFC)	\$0	\$75,603	\$75,603	\$0	\$75,603
Total		\$1,051,439	\$32,600,000	\$31,548,561	\$489,202	\$31,059,359

Table 10-4. TRLIA- 200-Year Goldfields Levee Project: Payment Request & State Disbursements

Report Justifying Payment	Payment Request Date	Payment Type	Payment Receipt Date	Payment Amount
Q1 Q2	2/23/2018 3/28/2018	Advance Advance	3/9/2018 TBD	\$1,051,439 TBD
Cumulative Payments				\$1,051,439
Total Grant Amount				\$32,600,000
Grant Amount Remaining				\$31,548,561

11. Tracking Tables and Deliverables Table

11.1. Earned Value Report by Element

Table 11-1 on the following page, provides a summary of the costs expended to date, as compared to earned value.

11.2. Earned Value

Chart 11-1 tracks the planned costs, earned value, and actual costs for the Project. Commencing with start of Quarter 1, the Planned Cost, Earned Value, and Actual Costs, as shown in the chart, have been aligned as a starting point for tracking. Moving forward, the chart will show the Earned Value and Actual Costs incurred, relative to Planned Costs over time.

11.3. 200-Year Deliverables

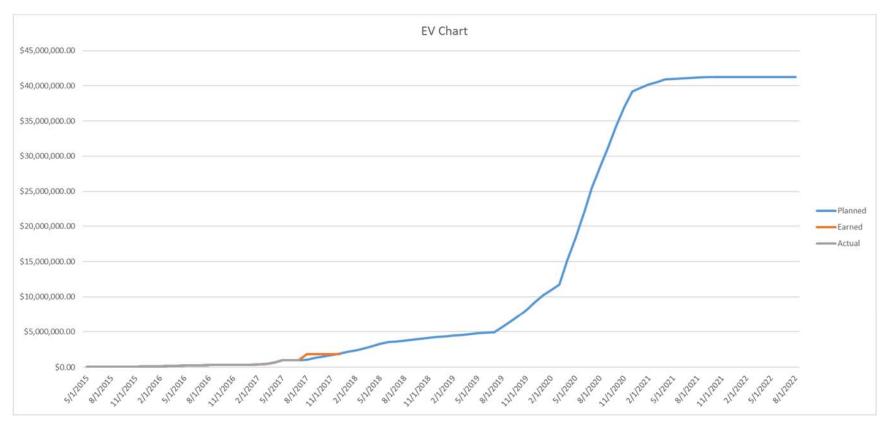
Table 11-2 lists the deliverables associated with the project and each deliverables planned date of submittal. The final two columns indicate placeholders for each deliverables' projected date of submittal and acceptance to DWR.

Table 11-1. Earned Value Report by Element

Element	Description	OAWP Budget	Cost incurred [1]	% Spent	% Progress	Planned Value	% Schedule Elapsed	Earned [1] Value	Cost Estimate at Completion
1	Grant Application	\$25,100	\$25,040	99.8%	100.0%	\$25,040	99.8%	\$25,100	\$25,100
2	Program Management	\$2,250,000	\$350,866	15.6%	39.0%	\$406,062	18.0%	\$877,500	\$2,250,000
3	Design & ROW Support	\$5,892,300	\$982,153	16.7%	12.0%	\$1,002,145	17.0%	\$707,076	\$5,892,300
4	Envrionmental Review & Permitting	\$1,015,700	\$392,556	38.6%	20.0%	\$427,542	42.1%	\$203,140	\$1,015,700
5	ROW Acquisition (Post Add to SPFC)	\$8,327,100	\$5,010	0.1%	0.0%	\$10	0.0%	\$0	\$8,327,100
6	Construction, Mitigation, & Other Project Act	\$23,659,900	\$0	0.0%	0.0%	\$0	0.0%	\$0	\$23,659,900
7	Closeout Process (Post Add to SPFC)	\$95,700	\$0	0.0%	0.0%	\$0	0.0%	\$0	\$95,700
		\$41,265,800	\$1,755,624	4.3%	4.4%	\$1,860,798	4.5%	\$1,812,816	\$39,963,929

^[1] As of December 2017

Chart 11-1. Earned Value



[1] As of December 2017 Planned, Earned, and Actual Costs are aligned.

Table 11-2. 200-Year Deliverables

Required Deliverable	Planned Date of Submittal	Date Submitted to DWR	Date DWR Accepted
Project Real Estate Plan	Q3. 2018	Not Submitted	Not Submitted
Real Estate Appraisals	Rolling. Q3-Q7. 2018-2019	Not Submitted	Not Submitted
Real Estate Environmental Site Assessments	Q7. 2019	Not Submitted	Not Submitted
Final Real Estate Accounting Packages (FAP's)	Rolling. Q6-Q17. 2019-2021	Not Submitted	Not Submitted
Property Transfer to SSJDD (via DWR & CVFPB)	Rolling. Q14-Q19. 2021-2022	Not Submitted	Not Submitted
Section 221 Credit MOU	Not applicable	Not Submitted	Not Submitted
Basis of Design Report	Q5. 2018	Not Submitted	Not Submitted
65% Design Drawings	Q7. 2019	Not Submitted	Not Submitted
90% Design Drawings	Q9. 2019	Not Submitted	Not Submitted
Final Design Drawings and Specifications	Q10. 2020	Not Submitted	Not Submitted
Construction Bid Documents	Q10. 2020	Not Submitted	Not Submitted
CEQA Supplement	Q7. 2019	Not Submitted	Not Submitted
AB 52 Consultation	Q7. 2019	Not Submitted	Not Submitted
RWQCB 401 Permit	Q9. 2019	Not Submitted	Not Submitted
DFW 1602 SAA	Q9. 2019	Not Submitted	Not Submitted
2081 Permit	Not Anticipated.	Not Submitted	Not Submitted
USFWS Section 7	Q8. 2019	Not Submitted	Not Submitted
SHPO Section 106	Q8. 2019	Not Submitted	Not Submitted
USACE NEPA Document	Q8. 2019	Not Submitted	Not Submitted
404 Permit	Q8. 2019	Not Submitted	Not Submitted
408 Permission	Q10. 2020	Not Submitted	Not Submitted
Encroachment Permit	Q10. 2020	Not Submitted	Not Submitted
Clear Path to Satisfying SPFC Requirement	Q5. 2018	Not Submitted	Not Submitted
Addition to the SPFC	Q9. 2019	Not Submitted	Not Submitted
OMRR&R Agreement		Not Submitted	Not Submitted
Interim OMRR&R Manual	Q12. 2020	Not Submitted	Not Submitted
OMRR&R Draft Manual	Q12. 2020	Not Submitted	Not Submitted
OMRR&R Final Manual	Q15. 2021	Not Submitted	Not Submitted
As-Built Drawings	Q15. 2021	Not Submitted	Not Submitted
Construction Completion Report	Q15. 2021	Not Submitted	Not Submitted
Project Completion Report	Q16. 2021	Not Submitted	Not Submitted
Flood Risk Resolution	Q4. 2018	Not Submitted	Not Submitted
Safety and Emergency Response Plan ("Flood Safety Plan")	Q15. 2021	Not Submitted	Not Submitted