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

# 200-year Goldfields Levee Project

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

**Quarter 3 Report** 

April – June 2018

Submitted by: Paul G. Brunner, P.E. Executive Director



June 12, 2018

Revised July 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 2.6 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 If at any time Federal authorization is not reasonably foreseeable, all committed funding will be withdrawn and the Funding Agreement will be terminated.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. The State's share of these

eligible expenses is \$597,062.03. TRLIA submitted a supplemental credit request for eligible Project expenses on March 31, 2018 covering the time period of September 1, 2017 to October 4, 2017. The State's share of the supplemental request eligible expenses 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 detail in Section 9, TRLIA is requesting an advance payment in the amount of: \$822,897, covering the period of April 1, 2017, through September 2018.

Description	Amount
90% of State Share for Elements 1-7 [1]	\$674,423
Local Credit True-Up [2]	\$148,474
Total Quarterly Advance Request	\$822,897

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

[1] Represents Quarters 3 & 4 net of True-Up for previously advanced Quarter 2[2] Represents Quarter 2 Local Credit True-Up

Significant activities and milestones occurring in Quarter 3 (April – June 2018), include:

- Completion of geotechnical investigations;
- Develop geotechnical remediation measures for levee reaches;
- Set preliminary levee alignment based on remediation measures;
- Continue preliminary levee design work;
- Finalize the DWSE;
- Continue working with the DWR to add the Project to the SPFC.
- Issue Notice of Preparation for CEQA Supplement

#### 3. Project Scope of Work

This report covers the following quarters:

- Previous Quarter: January March 2018 (Quarter 2)
- Current Quarter: April June 2018 (Quarter 3)

• Next Quarter: July – September 2018 (Quarter 4)

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 complete.

# 3.2. Element 2: Program Management

**Previous Quarter.** TRLIA continues to 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. Same as previous quarter.

Next Quarter. Same as previous quarter.

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

#### Previous Quarter.

<u>Design</u>: The TRLIA team continued to conduct Phase 2 geotechnical investigations on several properties and focused on evaluating levee alignment options across the Wilbur property. A preliminary DWSE was established.

<u>Right-of-Way Support</u>: The TRLIA team continued to coordinate and meet with the impacted property owners. TRLIA began appraisals of the full take parcels to help the property owners understand what they might be able to anticipate in compensation as they contemplate moving later this year or early next year.

#### **Current Quarter.**

<u>Design</u>: Design activities occurring during the current quarter include completing the Phase 2 geotechnical investigations and laboratory testing, compiling geotechnical data, reviewing and editing exploration logs, identifying levee reaches based on subsurface conditions and landform conditions, performing seepage analyses to identify exit gradients and areas requiring mitigation, developing preliminary mitigation schemes, evaluating borrow needs and sources, identifying and evaluating utility, irrigation and transportation challenges. The DWSE continues to be refined. An approach memo will be submitted to the SAR to obtain their input on how the uncertainty in the Goldfields is captured in the modeling assumptions.

<u>Right-of-Way Support</u>: ROW activities occurring during the current quarter include securing remaining rights-of-entry for geotechnical investigations (Wilbur), meeting with the impacted property owner, and obtaining appraisals. Once the levee alignment and borrow site locations become more formalized, TRLIA will begin preparation of the UFRR Real Estate Plan.

#### Next Quarter.

<u>Design</u>: Design activities planned for the next quarter include completing the laboratory testing for Phase 2 geotechnical investigations on Wilbur, preparing the Geotechnical Data Report, performing other geotechnical analyses, preparing the Geotechnical Basis of Design Report, evaluating and identifying preferred mitigation measures, setting the levee alignment (i.e., establishing the tentative-65% footprint and cross-section), determining borrow need, conducting wind-wave analysis, developing the hydraulic basis of design, and other tasks associated with early engineering and design (e.g., identification of drainage needs, borrow sources, utility conflicts, etc).

<u>Right-of-Way Support</u>: ROW activities planned for the next quarter include quantifying right-of-way needs for the Project (levee footprint, borrow site (s), ecological, and construction) based on a tentative footprint. Meetings with impacted property owners will continue as more information is known.

#### 3.4. Element 4: Environmental Review and Permitting

#### **Previous Quarter.**

Environmental Review: Very limited activities occurred during previous quarter.

<u>Permitting</u>: Very limited activities occurred during previous quarter. Discussions regarding a path toward adding the Project to the SPFC continued with CVFPB and DWR.

#### Current Quarter.

<u>Environmental Review</u>: Development and issuance of the CEQA NOP was completed on May 10. No scoping meeting is being conducted for the supplemental EIR, although written public comments will be accepted for 30 days once the NOP is issued; due date is June 11<sup>th</sup>.

On May 18, 2018 Richard G. Wilbur, and Wilbur Packing Company filed a petition for writ of mandate and complaint for declaratory and injunctive relief with Yuba County Superior Court regarding TRLIA's compliance with CEQA. TRLIA's legal council is evaluating the petition and will be providing a response this quarter.

<u>Permitting</u>: TRLIA was verbally notified by DWR that DWR legal is in the process of drafting an internal memo and subsequent letter to TRLIA that documents that TRLIA has demonstrated how the proposed project can meet Prop 1E funding requirements, and a clear path to the State Plan of Flood Control has been identified. This means that once TRLIA receives the DWR letter and completes CEQA, TRLIA can accomplish ROW acquisition and construction activities.

# Next Quarter.

<u>Environmental Review</u>: Environmental review (CEQA/NEPA) activities planned for the next quarter include development of the CEQA document and initiation of the NEPA process. It is anticipated that Admin Draft will be completed during this quarter for internal review. The TRLIA team will continue to work with the USACE on the NEPA compliance approach for the planned Section 404 permit and Section 408 permission.

TRLIA legal council will be responding to the Wilbur CEQA litigation.

<u>Permitting</u>: Planned activities include finalizing DWR's conclusion that TRLIA has demonstrated a clear path for the project to be added 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. Acquisition of the Ludwick property was completed.

**Current Quarter.** TRLIA continued meeting with anticipated impacted property owners. Many of the property owners were anxious about property valuations, so TRLIA began appraisals on some of the potentially impacted properties to respond to those concerns. No acquisitions will be made prior to TRLIA completing the project CEQA documentation.

Next Quarter. TRLIA will continue discussions with property owners.

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

Previous Quarter. No Activity

Current Quarter. No Activity

Next Quarter. No activity.

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

Previous Quarter. No Activity

Current Quarter. No Activity

Next Quarter. No activity.

#### 4. Project Schedule

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

	GOLDFIEL	DS 20	0-YEAI	R PROJ	ECT		
D	Task Name	Duration	Start	Finish	2017 010203040		19 2020 2021 Q3Q4Q1Q2Q3Q4Q1Q2Q3
1	Element 1: Grant Application	26 days	Fri 5/15/15				
2	Feature 1: Grant Application Efforts	26 days	Fri 5/15/15	Fri 6/19/15			
3	Element 2: Program Management	1838 days	Fri 5/15/15	Tue 5/31/22		-	
4	Feature 1: Government Salaries, Benefits and General Expenses	1838 days	Fri 5/15/15	Tue 5/31/22		+	
5	Feature 2: Program Consultant Expenses	1838 days	Fri 5/15/15	Tue 5/31/22			
6	Feature 3: Legal Support	1838 days	Fri 5/15/15	Tue 5/31/22			
7	Element 3: Design and Right of Way Support	1271 days	Mon 9/19/16	Mon 8/2/21			
8	Feature 1: Design	901 days	Mon 9/19/16	Mon 3/2/20			
9	Feature 2: Right of Way Support	1154 days	Wed 3/1/17	Mon 8/2/21	-		
10	Element 4: Environmental Review and Permitting	770 days	Wed 1/18/17	Tue 12/31/19			
11	Feature 1: CEQA and NEPA Process	565 days	Mon 5/1/17	Fri 6/28/19	_		E
12	Feature 2: Permitting and Addition to the SPFC	770 days	Wed 1/18/17	Tue 12/31/19			
13	Element 5: Right of Way Acquisition (Post Addition to SPFC)	260 days	Tue 8/6/19	Mon 8/3/20			
14	Feature 1: Right of Way Capital Cost	260 days	Tue 8/6/19	Mon 8/3/20			
15	Element 6: Construction, Mitigation, and Other Project Activities (Post Addition to SPFC)	476 days	Tue 11/5/19	Tue 8/31/21			
16	Feature 1: Construction	189 days	Wed 4/1/20	Mon 12/21/20			pumming
17	Feature 2: Construction Management	234 days	Wed 4/1/20	Mon 2/22/21			
18	Feature 3: Environmental Mitigation	107 days	Tue 11/5/19	Wed 4/1/20			<b>I</b> mmil
19	Feature 4: O&M Manual Addendum	329 days	Wed 3/4/20	Mon 6/7/21			F
20	Feature 5: Certification	151 days	Tue 2/2/21	Tue 8/31/21			huma
21	Element 7: Closeout Process (Post Addition to SPFC)	346 days	Mon 2/1/21	Tue 5/31/22			
22	Feature 1: Closeout Work	16.13 emons	Mon 2/1/21	Tue 5/31/22			punna

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

#### 5. Project Budget

The current Overall Work Plan Budget is summarized in Table 2. There are no changes to the budget proposed within this Quarterly Report.

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. TRLIA was verbally notified by DWR that DWR legal is in the process of drafting an internal memo and subsequent letter to TRLIA that documents that TRLIA has demonstrated how the proposed project can meet Prop 1E funding requirements, and a clear path to the State Plan of Flood Control has been identified. The resolution of this requirement greatly reduces the risk of this project being accomplished.

#### 8. Legal Issues

Access to Wilbur Property. TRLIA requested and was denied right of entry to the Wilbur property for the purposes of performing Phase 2 geotechnical investigations. Shortly

thereafter, TRLIA petitioned the court to provide the requested access. This access was granted by the court in May 2018.

On May 18, 2018 Richard G. Wilbur, and Wilbur Packing Company filed a petition for writ of mandate and complaint for declaratory and injunctive relief with Yuba County Superior Court regarding TRLIA's compliance with CEQA. TRLIA's legal council is evaluating the petition and will be providing a response this quarter. Resolution of this petition is anticipated in the 4<sup>th</sup> quarter, or 5<sup>th</sup> quarter.

# 9. Actual and Projected Costs

**Credit Period:** On October 23, 2017, TRLIA submitted a credit request totaling \$597.062.03 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. A supplemental request was submitted on March 31, 2018 covering costs after the initial credit request to October 3, 2017. The State's share was \$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 The following page provides a summary of the previously projected costs for Quarters as compared to the actual Costs for Quarters 1 and 2 based on TRLIA's June 10, 2018 Statement of Cost. This SOC presents the costs for both Quarter 1 and Quarter 2. Table 9-1 also shows the State Share True-Up amount and Local Credit True-Up amounts for the actual costs incurred for Quarters 1 and 2.

**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 Actual Costs

Element	Description	State Cost Share	Previously Projected Costs [1]	Actual Costs for Quarters 1 & 2 [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%	\$249,585	\$200,087	\$49,498	\$170,074	\$30,013
3	Design & ROW Support	85%	\$1,168,604	\$743,545	\$425,060	\$632,013	\$111,532
4	Envrionmental Review & Permitting	85%	\$248,803	\$46,195	\$202,608	\$39,266	\$6,929
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			\$1,666,993	\$989,826	\$677,166	\$841,352	\$148,474

[1] Quarters 2 & 3 from Q2 Report

[2] Reference Quarter 3 Statement of Cost (subject to DWR review)

Description	Amount
Total Use of Credit for Local Share this quarter	\$189,930
Total Local Share Eligible for Credit with Advance	
Total Use of Credit	
Initial Starting Credit Request	\$677,421
pending Supplemental Credit Request	\$661,070
Authorized Local Credit by DWR (to date)	\$677,421
less Credit Payments received (Credit Payment No. 1)	N/A
less Requested Payments 1 and 2	\$1,051,439
Remaining Authorized Local Credit	-\$374,018

#### Table 9-2. TRLIA - 200-Year Goldfields Levee Project Remaining Authorized Local Credit

#### **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 3 and Quarter 4, TRLIA requests an advance of \$674,423 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 fundingwas determined based on the 90% of the State's share Quarters 1 & 2 Advance Payment lessQuarter 1 & 2 combined 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: 3<sup>rd</sup> and 4<sup>th</sup> Quarter Projected Cost

Element	Description	Projected Costs [1]	State Share 85%	Advance State Share Funding Requested	less Excess Funding from Prior Advances [2]	Remaining Advanced Request
		A	В	C = B * 90%	D	E = C + D
1	Grant Application	\$0	\$0	\$0	\$0	\$0
2	Program Management	\$248,837	\$211,512	\$190,360	(\$32,359)	\$158,002
3	Design & ROW Support	\$802,249	\$681,911	\$613,720	(\$135,267)	\$478,453
4	Envrionmental Review & Permitting	\$215,116	\$182,849	\$164,564	(\$126,595)	\$37,969
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		\$1,266,202	\$1,076,272	\$968,645	(\$294,222)	\$674,423

[1] Covers period from 4/1/2018 through 9/30/2018 (Q3 and Q4)

[2] Reference Table 10-2

		Quarters 1 & 2 (to date)						
				Advance				
Element	t Description	True-Up Costs (State Share)	Witheld Retention	Payments Received	True-Up Funding (Excess)			
		A [1]	В	В	C = A - B			
1	Grant Application	\$0	\$0	\$0	\$0			
2	Program Management	\$170,074	\$17,007	\$185,425	(\$32,359)			
3	Design & ROW Support	\$632,013	\$63,201	\$704,079	(\$135,267)			
4	Envrionmental Review & Permitting	\$39,266	\$3,927	\$161,935	(\$126,595)			
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			
Total		\$841,352	\$84,135	\$1,051,439	(\$294,222)			

#### Table 10-2. TRLIA - 200-Year Goldfields Levee Project: True-Up Funding

[1] Represents Quarter 1 and 2 combined True-Up costs (October 4, 2017 through March 31, 2018) reported on the Quarterly Statement of Costs subject to DWR review and final approval. Reference Table 9-1 from report Q1 and this Q2 report.

#### Table 10-3. TRLIA - 200-Year Goldfields Levee Project: Summary of Payment Request and Comparison to State Share Budget

Element	Description	Prior State Payments	State Share Budget	Remaining Budget (Prior State Payments)	Advanced Request Quarters 2 & 3	Remaining Budget
		A	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	\$158,002	\$1,434,074
3	Design & ROW Support	\$704,079	\$4,654,920	\$3,950,840	\$478,453	\$3,472,388
4	Envrionmental Review & Permitting	\$161,935	\$802,403	\$640,469	\$37,969	\$602,500
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	\$674,423	\$30,874,138

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

Report Justifying Payment	Payment Request Date	Payment Type	Payment Receipt Date	Payment Amount
Q1 Q2 Q3	2/23/2018 3/28/2018 6/12/2018	Advance Advance Advance	3/9/2018 TBD TBD	\$1,051,439 TBD 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

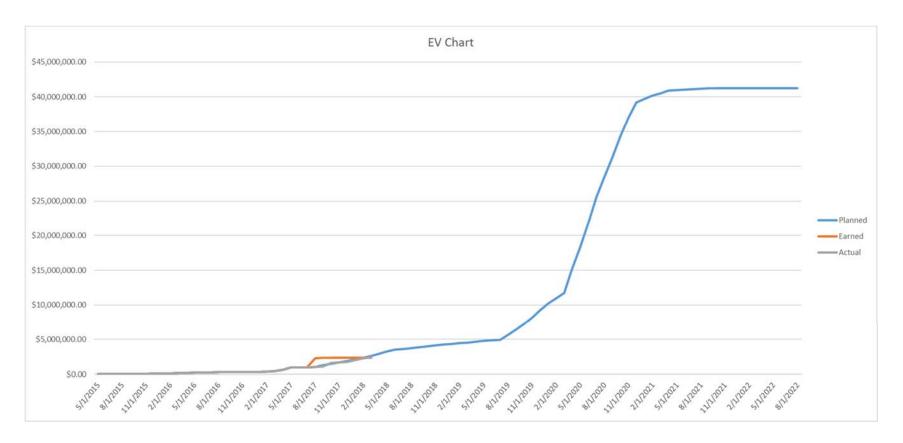
Table 11-2 lists the deliverables associated with the project and each deliverables planned date of submittal. The final two columns indicate placeholders for each deliverables' projected date of submittal and acceptance to DWR.

#### 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	\$481,020	21.4%	39.0%	\$527,255	23.4%	\$877,500	\$2,250,000
3	Design & ROW Support	\$5,892,300	\$1,478,762	25.1%	21.0%	\$1,530,128	26.0%	\$1,237,383	\$5,892,300
4	Envrionmental Review & Permitting	\$1,015,700	\$416,284	41.0%	20.0%	\$557,123	54.9%	\$203,140	\$1,015,700
5	ROW Acquisition (Post Add to SPFC)	\$8,327,100	\$10,010	0.1%	0.0%	\$10	0.0%	\$0	\$8,327,100
6	Construction, Mitigation, & Other Project Acti	\$23,659,900	\$750	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	\$2,411,865	5.8%	5.7%	\$2,639,555	6.4%	\$2,343,123	\$42,476,453

[1] As of March 2018

#### Chart 11-1. Earned Value



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

Required Deliverable	Planned Date of Submittal	Date Submitted to DWR	Date DWR Accepted	
Project Real Estate Plan	Q7. 2019	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	Q10. 2020	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	

# Table 11-2. 200-Year Deliverables