

Three Rivers Levee Improvement Authority

200-year Goldfields Levee Project

**Urban Flood Risk Reduction
Funding Agreement #4600012115
dated: October 4, 2017**

Quarter 19 Report

April – June 2022

**Submitted by:
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Executive Director**



May 13, 2022

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1. Background

As part of its 200-Year Goldfields Levee Project (Project), the Three Rivers Levee Improvement Authority (TRLIA) constructed 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) near the Yuba Goldfields.

The Project is being funded through the Urban Flood Risk Reduction Program via Funding Agreement #4600012115, effective on October 4, 2017. Three amendments have been executed. The first amendment was executed in April 2020 and increased the budget to its current amount. The second amendment was executed in January 2021 and incorporated work at Crossing 21 and Site J Saddle, but without a change to the budget. A third amendment in August 2021 incorporated the 500-year effort, again, without a change to the budget.

2. Summary

This report represents Quarter 19, April - June 2022.

Activity during the current quarter is limited to outstanding construction and construction documentation effort for the GF200 project; adding the GF200 project to the SPFC and SRFCP; and completing environmental and design efforts for the 500-Year project.

Table 2-1 on the following page summarizes the total payment requested with this report.

Table 2-1 Quarterly Payment Summary

Description	Amount
90% of True-Up Request for Elements 1-4, 6-8 [1]	\$888,886
Total Quarterly Payment Request	\$888,886

[1] Represents Quarter 21. Excludes ROW Capital Costs (Element 5)

3. Project Scope of Work

This report covers the following quarters:

- Previous Quarter January – March 2022 (Quarter 18)
- Current Quarter April – June 2022 (Quarter 19)
- Next Quarter July – September (Quarter 20)

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

3.1. Element 1: Grant Application

Complete.

3.2. Element 2: Program Management

Previous Quarter. TRLIA program management activities were focused on project completion for the GF200 project and design and environmental review of the 500-yr project. Typical administration activities continued.

Current Quarter. Activities in the current quarter are similar to the previous quarter. Activities associated with the 500-year project will end in the current quarter.

Next Quarter. Activities in the next quarter will be similar to the current quarter and continue to gradually reduce and focus on close-out of remaining activities.

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

Previous Quarter.

Design: Design activities for the GF200 project, Crossing 21, and Site J Saddle are complete. Design of the 500-year project focused on the 65% design.

Right-of-Way Support: ROW activities for the GF200 were focused on development and completion of final accounting packages, which were submitted.

Current Quarter.

Design: 65% design of the 500-year project is being completed in the quarter. All other design activities are complete.

Right-of-Way Support: ROW activities for the GF200 are limited to responding to DWR information requests.

Next Quarter.

Design: No design activities are planned.

Right-of-Way Support: ROW activities for the GF200 will be limited to responding to DWR information requests.

3.4. Element 4: Environmental Review and Permitting

Environmental review activities for GF200, Crossing 21, and Site J Saddle are complete. No permitting will occur with the 500-year project.

Previous Quarter.

Environmental Review: Environmental review activities in support of the 500-year project continued with development of the Final EIR.

Permitting: Permitting activities for GF200 are limited and focused on close-out and amending the 1953 MOU.

Current Quarter.

Environmental Review: Environmental review activities for the 500-year project continued. The FEIR and MMRP were adopted by the TRLIA board in May 2022.

Permitting: Permitting activities for GF200 continue to be limited and focused on close-out and amending the 1953 MOU.

Next Quarter.

Environmental Review: No activities.

Permitting: Permitting activities for GF200 will continue to be limited and focused amending the 1953 MOU.

3.5. Element 5: Right-of-Way Acquisition

Acquisitions for the GF200, Crossing 21, and Site J Saddle project are complete. There are no acquisitions for the 500-year project. TRLIA has submitted all documentation required to support transfer of the lands to the State and is awaiting State action.

3.6. Element 6: Construction, Mitigation, and other Project activities

Previous Quarter. Construction and construction-related activities for the GF200 continued during the quarter and including completion of the monitoring wells and punch list items. Construction documentation was submitted to the agencies for review.

being completed with SAR. The agricultural mitigation contract negotiation was initiated.

Current Quarter. Construction-related activities for the GF200 continue and are primarily related to responding to RD 784 requests, and close-out items such as coordination for access with the power companies. The levee contractor's work is complete. Construction documentation will be shared with the SAR. The agricultural mitigation contract negotiation will be completed and executed.

Next Quarter. Construction and construction-related activities will be extremely limited, and focused on final documentation.

3.7. Element 7: Closeout Process

Previous Quarter. No Activity

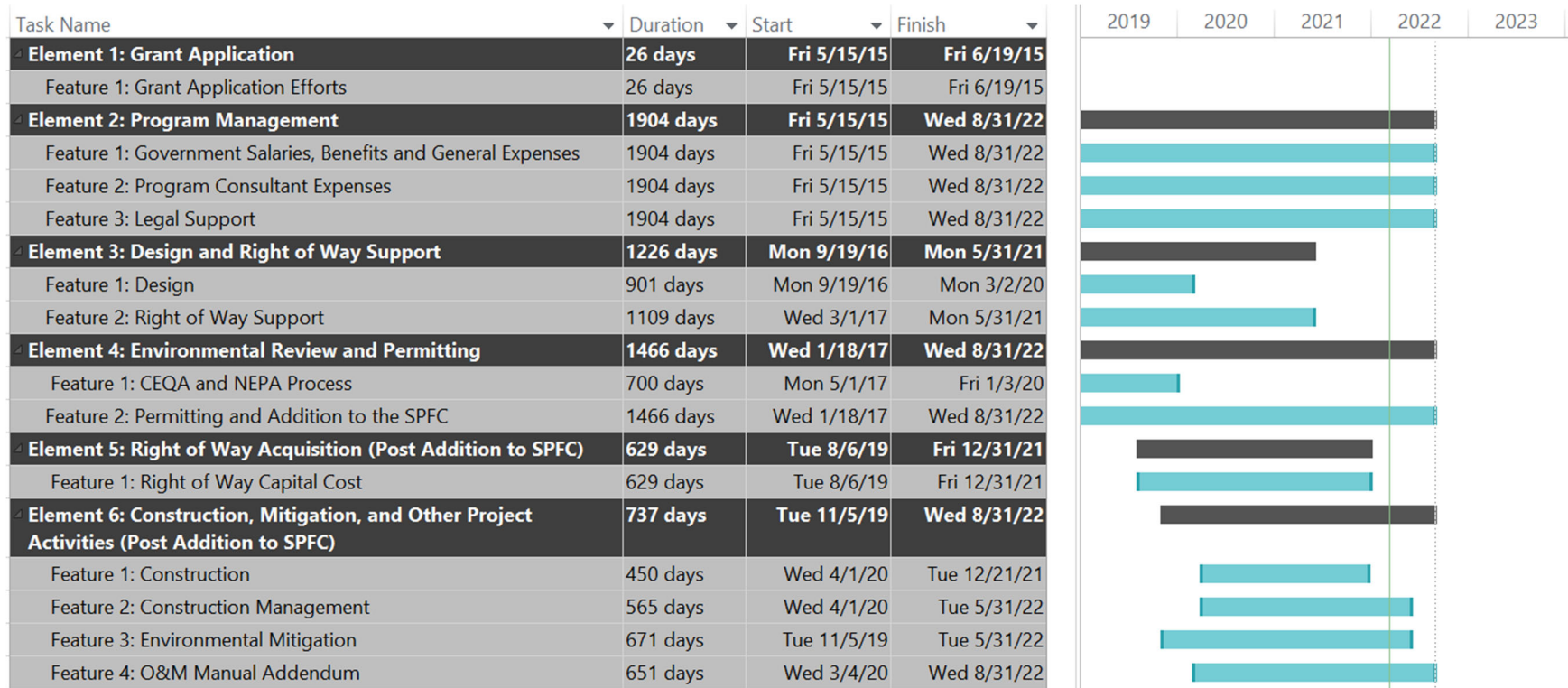
Current Quarter. No Activity

Next Quarter. Close-out activity will begin in the next quarter.

4. Project Schedule

The project schedule was updated to reflect the two-year construction sequence for GF200, certification to 2022, and the 500-year project.

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



5. Project Budget

The current *Overall Work Plan Budget* reflective of Amendment No. 3 to the Funding Agreement is summarized in Table 5-1.

The current State funding commitment of \$42,529,251 is 79% of the projected project cost. The allowable State cost share for this project is 85%, which is \$45,864,665. The current and amended funding agreement allow the State to increase the State funding to the full 85% amount should funding become available.

Table 5-1. Overall Work Plan Budget

Element	Description	Current Budget	State Share \$ [1]
1	Grant Application	\$25,100	\$19,783
2	Program Management	\$3,500,000	\$2,758,649
3	Design & ROW Support	\$5,865,000	\$4,622,708
4	Envrionmental Review & Permitting	\$1,605,000	\$1,265,038
5	ROW Acquisition (Post Add to SPFC)	\$8,500,000	\$6,699,577
6	Construction, Mitigation, & Other Project Activites	\$31,498,330	\$24,826,526
7	Closeout Process (Post Add to SPFC)	\$111,000	\$86,700
8	500-Year Project	\$2,855,000	\$2,250,270
Total		\$53,959,430	\$42,529,251

[1] State cost share is 85%. The State share shown in this Table is reflective of Amendment No. 3 to the Funding Agreement.

6. Deviations in Scope, Schedule, and Budget

Per letter dated February 2, 2022, TRLIA has reduced the anticipated project cost from \$53.9M to \$44M.

7. Special Topics

7.1. Federal Authorization of the Project and Additional to the SPFC

A draft amendment to the 1953 MOU has been prepared and reviewed by the USACE Sacramento District (SPK). SPK is awaiting CVFPB approval to move forward with processing of the amendment. The amendment will require review and approval by the

USACE South Pacific Division (SPD), and their signature. Following SPD review, the MOU will be taken to the CVFPB board for signature, then proceed to SPD for final signature.

8. Legal Issues

There are currently no legal issues associated with the project.

9. Actual and Projected Costs

Table 9-1 provides a summary of the actual Costs for the Quarter (refer to SOC's included with this report dated May 13, 2022). **Table 9-1** also shows the State Share True-Up amount and Local Credit True-Up amounts for the actual costs incurred during the prior quarter.

For a reconciliation of the approved credit and approved and projected credit payments, refer to QPR13. As of QPR13 the authorized initial and supplemental credit of \$1,137,718 in state dollars has been complete.

Table 9-1. TRLIA - 200-Year Goldfields Levee Project Prior Quarter Actual Cost Comparison and True-Up

Element	Description	State Cost Share A	Actual Costs for the Request C	Actual State Cost Share E = C x A	Retention on		True Up Payment By State G = E - F	Local Creditable Cost Share H = C x (1 - A)
					Actual State Cost Share (10%) F = E x 10%			
1	Grant Application	85%	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
2	Program Management	85%	\$ 793,015	\$ 674,062	\$ 67,406	\$ 606,656	\$ 118,952	
3	Design & ROW Support	85%	\$ 3,711	\$ 3,154	\$ 315	\$ 2,839	\$ 557	
4	Environmental Review & Permitting	85%	\$ 4,327	\$ 3,678	\$ 368	\$ 3,310	\$ 649	
5	ROW Acquisition	85%	N/A	N/A	N/A	N/A	N/A	
6	Construction, Mitigation, & Other Project Aspects	85%	\$ 601,673	\$ 511,422	\$ 51,142	\$ 460,280	\$ 90,251	
7	Closeout Process	85%	\$ -	\$ -	\$ -	\$ -	\$ -	
8	500-Year Project	85%	\$ 516,698	\$ 439,194	\$ 43,919	\$ 395,274	\$ 77,505	
			\$ 1,919,424	\$ 1,631,510	\$ 163,151	\$ 1,468,359	\$ 287,914	

[1] Reference the 19 QPR SOC dated May 13, 2022 subject to DWR Review

10. Payment Requested and State Disbursements

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

Table 10-1 shows the retention held to date.

Table 10-2 provides the detail of any excess funding (or funding due). Excess funding (or funding due) is determined based on the State's share of the prior Advance Payments as compared to the State's Share of expenses documented within TRLIA's Statement of Costs.

Table 10-3 shows a ledger of payments made to date, their use (either Local Credit or State Share Advance or True-Up) and the remaining grant balance.

Table 10-4 presents the requested State Share payments by Project element as well as retention held.

In addition, in letter dated February 21, 2022, TRLIA requested the outstanding local share of \$854,774 for real estate, which includes relocation costs previously requested.

Table 10-1. TRLIA - 200-Year Goldfields Levee Project: Held Retention

Element	Description	True Up Costs	True Up Cost	Total True Up	State Share of
		This Request [1]	QTR 1-18 [2]	Costs	True Up Costs
		A	B	C = A + B	D = 0.85 * C
1	Grant Application	\$ -	\$ -	\$ -	\$ -
2	Program Management	\$ 793,015	\$ 2,551,821	\$ 3,344,836	\$ 2,843,110
3	Design & ROW Support	\$ 3,711	\$ 4,113,190	\$ 4,116,900	\$ 3,499,365
4	Environmental Review & Permitting	\$ 4,327	\$ 972,464	\$ 976,791	\$ 830,273
5	ROW Acquisition	N/A	N/A	N/A	N/A
6	Construction, Mitigation, & Other Project Aspects	\$ 601,673	\$ 23,740,409	\$ 24,342,082	\$ 20,690,770
7	Closeout Process	\$ -	\$ -	\$ -	\$ -
8	500-Year Project	\$ 516,698	\$ 858,713	\$ 1,375,411	\$ 1,169,100
		\$ 1,919,424	\$ 32,236,597	\$ 34,156,021	\$ 29,032,618

[1] Reference **Table 9-1**, Total Subject to DWR Review

[2] Reference Previously Approved DWR Statement of Costs for QTR1-18

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

Element	Description	Total True Up		Initial &	Total Costs to	State Share of	DWR Payments	True-Up Funding
		Costs This	True Up Cost	Supplemental				
		A	B	C	D = A + B + C	E = 0.85 * D	E	F = D - E
1	Grant Application	\$ -	\$ -	\$ 25,040	\$ 25,040	\$ 21,284	\$ 21,284	\$ -
2	Program Management	\$ 793,015	\$ 2,551,821	\$ 276,517	\$ 3,621,353	\$ 3,078,150	\$ 1,773,891	\$ 1,304,258
3	Design & ROW Support	\$ 3,711	\$ 4,113,190	\$ 673,429	\$ 4,790,329	\$ 4,071,780	\$ 4,566,347	\$ (494,567)
4	Environmental Review & Permitting	\$ 4,327	\$ 972,464	\$ 363,506	\$ 1,340,297	\$ 1,139,252	\$ 1,265,308	\$ (126,056)
5	ROW Acquisition	N/A	N/A	N/A	N/A	N/A	N/A	N/A
6	Construction, Mitigation, & Other Project Aspects	\$ 601,673	\$ 23,740,409	\$ -	\$ 24,342,082	\$ 20,690,770	\$ 21,555,854	\$ (865,084)
7	Closeout Process	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
8	500-Year Project	\$ 516,698	\$ 858,713	\$ -	\$ 1,375,411	\$ 1,169,100	\$ -	\$ 1,169,100
		\$ 1,919,424	\$ 32,236,597	\$ 1,338,491	\$ 35,494,512	\$ 30,170,335	\$ 29,182,684	\$ 987,652

[1] Reference **Table 9-1**, Total Subject to DWR Review

[2] Reference Previously Approved DWR Statement of Costs for QTR 1-18

Table 10-3. TRLIA - 200-Year Goldfields Levee Project: Payment Requests and State Disbursements

Report	Payment Request Date	Payment Receipt Date	Credit Portion	State Portion	Total Payment Amount
QPR1	2/23/2018	3/9/2018	\$0	\$1,051,439	\$1,051,439
QPR2	3/28/2018	9/17/2018	\$52,037	\$489,201	\$541,238
QPR3	6/12/2018	8/21/2018	\$96,436	\$674,422	\$770,858
QPR4	12/28/2018	2/7/2019	\$104,449	\$0	\$104,449
QPR5	1/23/2019	3/28/2019	\$122,466	\$216,715	\$339,181
QPR6	7/1/2019	8/22/2019	\$80,551	\$5,310,252	\$5,390,803
QPR7	8/1/2019	7/6/2020	\$107,683	\$0	\$107,683
QPR8	12/20/2019	7/6/2020	\$64,826	\$0	\$64,826
QPR9	2/7/2020	5/4/2020	\$100,052	\$9,146,462	\$9,246,514
QPR10	5/4/2020	7/30/2020	\$84,531	\$4,805,725	\$4,890,256
QPR11	8/3/2020	10/30/2020	\$81,302	\$2,505,701	\$2,587,003
QPR12	11/9/2020	12/28/2020	\$225,741	\$2,991,600	\$3,217,341
QPR13	2/16/2021	4/2/2021	\$17,644	\$0	\$17,644
QPR14-18	6/9/2021 - 3/14/2022	None Due	\$0	\$0	\$0
Ag Mitigation	2/2/2022	2/17/2022	\$0	\$853,449	\$853,449
QPR18	This Report	In Progress	\$0	\$888,886	\$888,886
Cumulative Payments			\$1,137,718	\$28,933,853	\$30,071,571
[1] Subject to DWR Review					
State Payments Received Less ROW					\$30,071,571
Spent to Date Less ROW					\$30,170,335
Current \$ Held In Retention					\$98,765
Real Estate Payments Received					\$6,514,716
Total Payments Received					\$36,586,287
Total Grant Amount					\$42,529,251
[1] Grant Amount Remaining					\$5,942,965

Table 10-4. TRLIA - 200-Year Goldfields Levee Project: State Advance Payments by Element

Element Description	QPR1	QPR2	QPR3	QPR5	QPR6	QPR9	QPR10	QPR11	QPR12	Ag Mitig [2]	Advance Payments Received	Init & Supp Credit [2]	Total Received
1 Grant Application	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$21,284	\$21,284
2 Program Management	\$185,425	\$59,006	\$158,002	\$132,847	\$17,802	\$204,613	\$278,209	\$112,948	\$390,000	\$0	\$1,538,852	\$235,039	\$1,773,891
3 Design & ROW Support	\$704,079	\$384,609	\$478,453	-\$50,046	\$211,693	\$815,819	\$1,203,799	\$223,927	\$21,600	\$0	\$3,993,932	\$572,415	\$4,566,347
4 Environmental Review & Permitting	\$161,935	\$45,587	\$37,969	\$133,914	\$7,850	\$59,107	\$177,351	\$152,615	\$180,000	\$0	\$956,328	\$308,980	\$1,265,308
5 ROW Acquisition (Post Add to SPFC)	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	\$6,514,716
6 Construction, Mitigation, & Other Project A	\$0	\$0	\$0	\$0	\$5,072,906	\$8,066,923	\$3,146,365	\$2,016,212	\$2,400,000	\$853,449	\$21,555,856	\$0	\$21,555,856
7 Closeout Process (Post Add to SPFC)	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
8 500-Year Project	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
Total	\$1,051,439	\$489,202	\$674,423	\$216,715	\$5,310,251	\$9,146,462	\$4,805,725	\$2,505,701	\$2,991,600	\$853,449	\$28,044,967	\$1,137,718	\$35,697,400

[1] Advanced Funding received to Date

[2] Authorized Initial & Supplemental Credit complete as of QPR13

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 the planned or actual date of submittal.

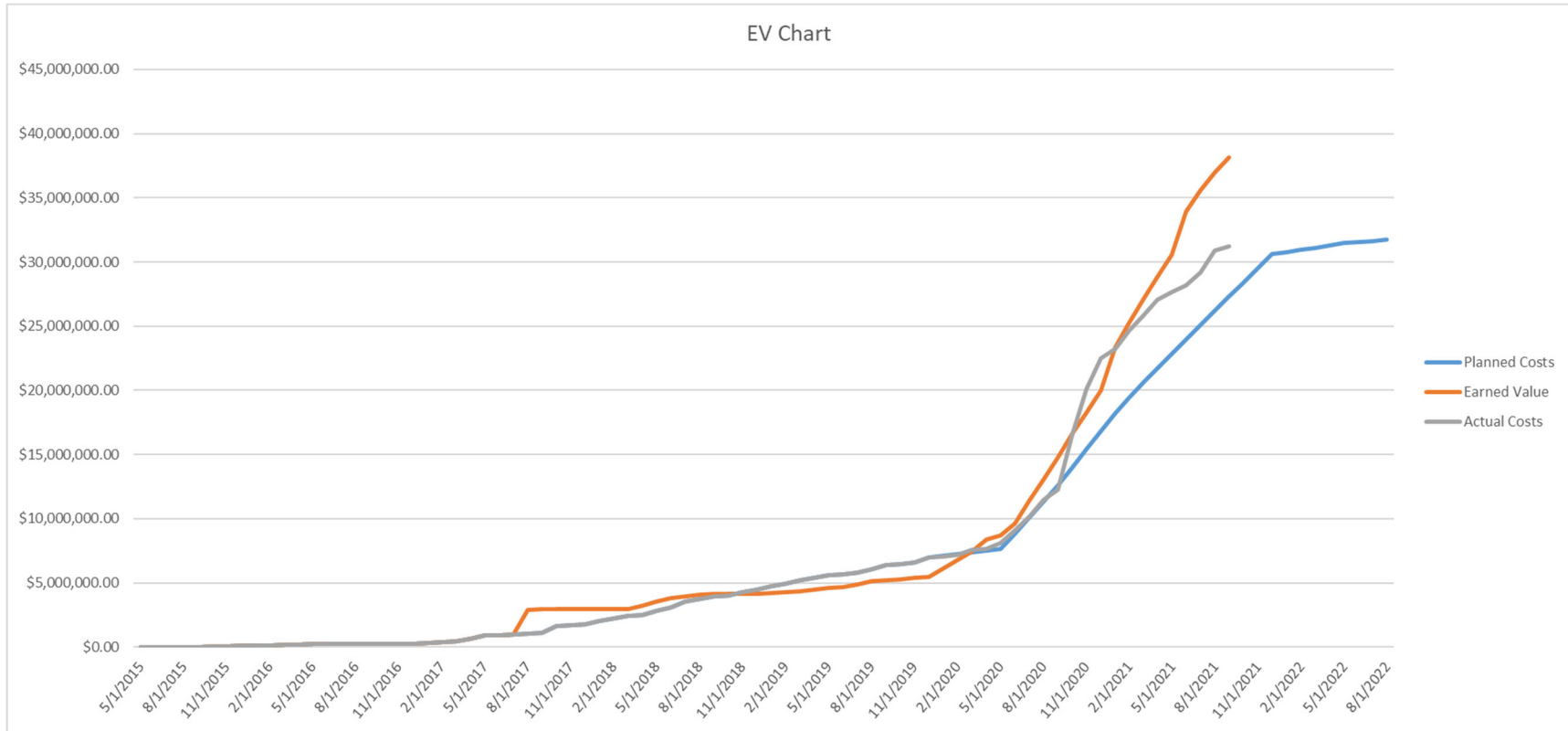
Table 11-1. Earned Value Report by Element

Element	Description	OAWP Budget	Cost incurred	% Spent	% Progress	Earned Value
			[1]			
1	Grant Application	\$25,100	\$0	0.0%	100.0%	\$25,100
2	Program Management	\$3,500,000	\$3,344,836	95.6%	87.0%	\$3,045,000
3	Design & ROW Support	\$5,865,000	\$4,116,900	70.2%	99.0%	\$5,806,350
4	Environmental Review & Permitting	\$1,605,000	\$976,791	60.9%	96.0%	\$1,540,800
6	Construction, Mitigation, & Other Project Act	\$31,498,330	\$24,342,082	77.3%	90.0%	\$28,348,497
7	Closeout Process (Post Add to SPFC)	\$111,000	\$0	0.0%	0.0%	\$0
8	500-Year Project	\$2,855,000	\$1,375,411	48.2%	90.0%	\$2,569,500
5	ROW Acquisition (Post Add to SPFC) [2]	N/A	N/A	N/A	N/A	N/A
		\$45,459,430	\$34,156,021	75.1%	90.9%	\$41,335,247

[1] Total Cost As of December 2021 excludes Initial & Supplemental Credit

[2] Element 5 ROW Tracked Separately.

Chart 11-1. Earned Value



[1] Prior to January 2020 Planned and Actual Costs are aligned.

Table 11-2. 200-Year Deliverables

Required Deliverable	Planned Date of Submittal	Date Submitted to DWR
OMRR&R Draft Manual	Q19. 2022	
Safety and Emergency Response Plan (Flood Safety Plan)	Q20 2022	
OMRR&R Final Manual	Q21. 2022	
Project Completion Report	Q21. 2022	
Addition to the SPFC	Q23. 2022	
OMRR&R Agreement		Q19. 2022
Interim OMRR&R Manual		Not Submitted.
Flood Risk Resolution		
Property Transfer to SSJDD		Q17.
Final Real Estate Accounting Packages		Q17
As-Built Drawings		Q16 (10/2021)
Construction Completion Report		Q16 (10/2021)
RWQCB 401 Permit		Q11. 2020.
Encroachment Permit		Q11. 2020.
Construction Bid Documents		Q10. 2020
Final Design Drawings and Specifications		Q10. 2020
DFW 1602 SAA		Q10. 2020
90% Design Package		Q8. 2019
RE Environmental Site Assessments		Q8. 2019
Project Real Estate Plan		Q7. 2019
Real Estate Appraisals		Started in Q7.
65% Design Package		Q6. 2018
AB 52 Consultation		Q6. 2018
CEQA Supplement		Q6. 2018
Clear Path to SPFC Requirement		Q5. 2018
USFWS Section 7		Not Required.
SHPO Section 106		Not Required.
USACE NEPA Document		Not Required.
404 Permit		Not Required.
408 Permission		Not Required.
Section 221 Credit MOU		NA
2081 Permit		Not Required.