

**Three Rivers Levee Improvement Authority**

**200-year Goldfields Levee Project**

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

**Quarter 20 Report**

**July – September 2022**

**Submitted by:  
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Executive Director**



**August 19, 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 20, July - September 2022.

Activity during the current quarter is focused on land transfers, O&M manual updates, FEMA/ULDC certification packages, and adding the GF200 project to the SPFC and SRFCP.

TRLIA is not requesting an advance or true-up payment this quarter. Table 2-1 summarizes the total payment requested with this report.

**Table 2-1 Quarterly Payment Summary**

Description	Amount
Advance Request for Elements 1-4, 6-8 [1]	\$0
True-Up Request for Elements 1-4, 6-8 [2]	\$0
<b>Total Quarterly Payment Request</b>	<b>\$0</b>

[1] Represents Quarter 22. Excludes ROW Capital Costs (Element 5)

[2] Represents QPR 20 True-Up for Apr-Jun 2022

## 3. Project Scope of Work

This report covers the following quarters:

- Previous Quarter      April – June 2022 (Quarter 19)
- Current Quarter        July – September (Quarter 20)

- Next Quarter                      October – December (Quarter 21)

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. Typical administration activities continued.

**Current Quarter.** Activities in the current quarter are similar to the previous 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: Completed design activities for the 500-year project.

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

**Current Quarter.**

Design: Design activities are complete.

Right-of-Way Support: ROW activities for the GF200 are limited to responding to DWR information requests and completing transfers to RD784.

**Next Quarter.**

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**

**Previous Quarter.**

Environmental Review: The FEIR and MMRP were adopted by the TRLIA board in May 2022.

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

**Current Quarter.**

Environmental Review: *Environmental review activities are complete.*

Permitting: Permitting activities are similar to the previous quarter.

**Next Quarter.**

Permitting: Permitting activities are similar to the previous quarter.

**3.5. Element 5: Right-of-Way Acquisition**

*Complete.*

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

**Previous Quarter.** Construction-related activities for the GF200 were completed and the construction documentation package was submitted to DWR and USACE and is final. The agricultural mitigation contract negotiation continued. Other project activities such as certification and O&M manual revisions began.

**Current Quarter.** Construction-related and agricultural activities are complete. Other project activities including certification and O&M manual revisions continue.

**Next Quarter.** Activities will be extremely limited and primarily in response to USACE request.

**3.7. Element 7: Closeout Process**

**Previous Quarter.** No Activity

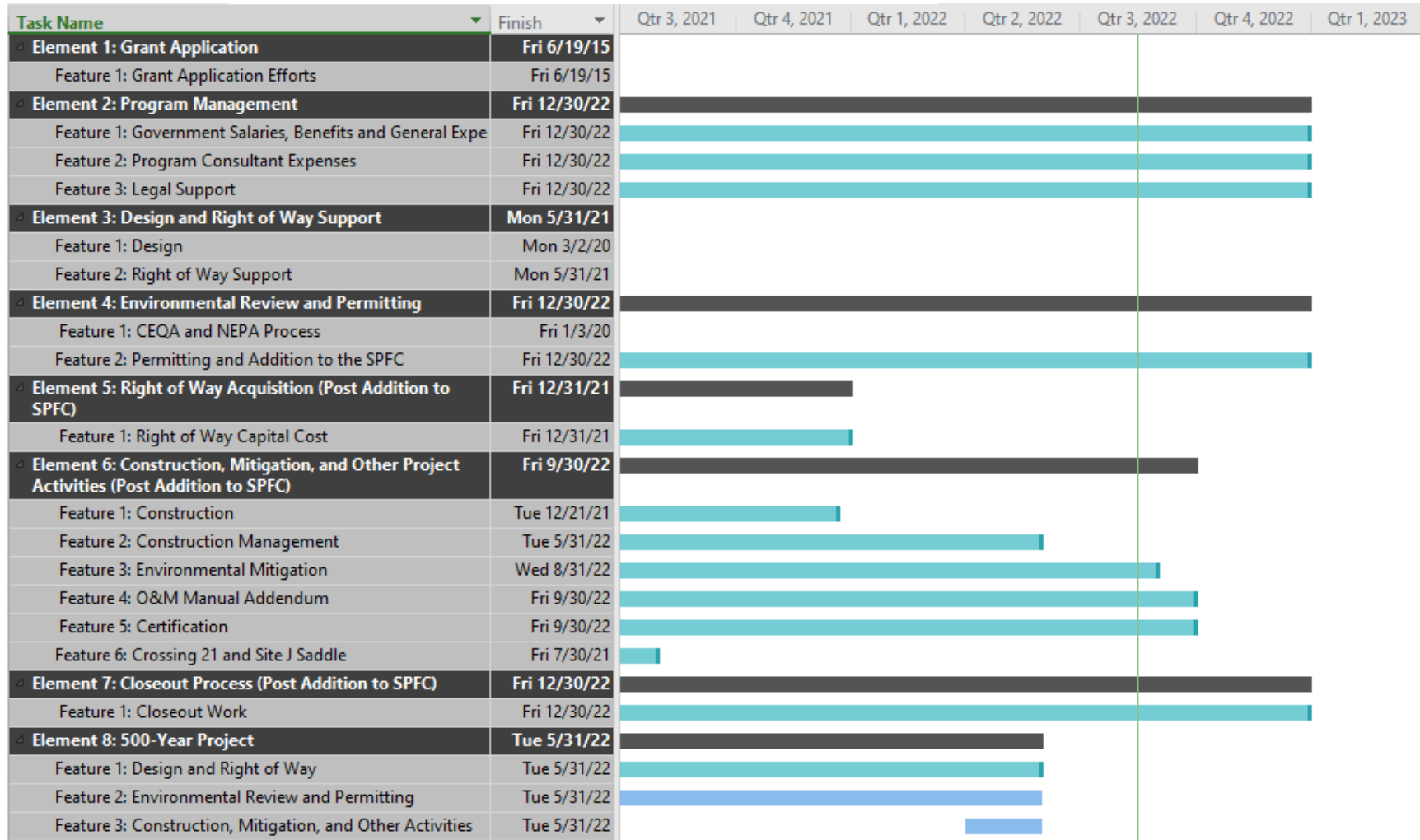
**Current Quarter.** Close-out reporting will begin during the current quarter.

**Next Quarter.** Close-out activity will continue in the next quarter. Close-out report will be submitted by December 31, 2022 per DWR instruction.

**4. Project Schedule**



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	Environmental 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 Activities	\$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
<b>Total</b>		<b>\$53,959,430</b>	<b>\$42,529,251</b>

[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) and CVFPB. 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. At this time, there is no action for TRLIA, DWR, or CVFPB.

## 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 August 19, 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%	\$ 132,705	\$ 112,799	\$ 11,280	\$ 101,519	\$ 19,906	
3	Design & ROW Support	85%	\$ 9,894	\$ 8,410	\$ 841	\$ 7,569	\$ 1,484	
4	Environmental Review & Permitting	85%	\$ 1,899	\$ 1,614	\$ 161	\$ 1,453	\$ 285	
5	ROW Acquisition	85%	N/A	N/A	N/A	N/A	N/A	
6	Construction, Mitigation, & Other Project Aspects I	85%	\$ 659,395	\$ 560,485	\$ 56,049	\$ 504,437	\$ 98,909	
6.3	Environmental Mitigation	85%	N/A	N/A	N/A	N/A	N/A	
7	Closeout Process	85%	\$ -	\$ -	\$ -	\$ -	\$ -	
8	500-Year Project	85%	\$ 227,569	\$ 193,434	\$ 19,343	\$ 174,090	\$ 34,135	
			\$ 1,031,462	\$ 876,742	\$ 87,674	\$ 789,068	\$ 154,719	

## 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** provides a breakdown of the advance requested.

**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: Advance Request**

N/A

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

Element	Description	True Up Costs	True Up Cost	Total True Up	State Share of	Retention on	State Share of	DWR Payments	Overfunded
		This Request [1]	QTR 1-19 [2]	Costs	True Up Costs	State Share of True Up Costs (10%) [3]	State Share of True Up Costs to be Immediately Funded	Received to Date	Balance
		A	B	C = A + B	D = 0.85 * C	E = D x 10%	F = D - E	G	H = G - F
1	Grant Application	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
2	Program Management	\$ 132,705	\$ 3,345,707	\$ 3,478,412	\$ 2,956,650	\$ 295,665	\$ 2,660,985	\$ 1,538,852	\$ 1,122,133
3	Design & ROW Support	\$ 9,894	\$ 4,115,821	\$ 4,125,715	\$ 3,506,858	\$ 350,686	\$ 3,156,172	\$ 3,993,932	\$ (837,760)
4	Environmental Review & Permitting	\$ 1,899	\$ 976,791	\$ 978,690	\$ 831,887	\$ 83,189	\$ 748,698	\$ 956,328	\$ (207,630)
5	ROW Acquisition	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
6	Construction, Mitigation, & Other Project Aspects I	\$ 659,395	\$ 23,680,354	\$ 24,339,748	\$ 20,688,786	\$ 2,068,879	\$ 18,619,907	\$ 20,702,407	\$ (2,082,499)
6.3	Environmental Mitigation	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
7	Closeout Process	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
8	500-Year Project	\$ 227,569	\$ 1,375,174	\$ 1,602,743	\$ 1,362,332	\$ 136,233	\$ 1,226,099	\$ -	\$ 1,226,099
		\$ 1,031,462	\$ 33,493,847	\$ 34,525,309	\$ 29,346,512	\$ 2,934,651	\$ 26,411,861	\$ 27,191,519	\$ (779,658)

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

[2] Reference Previously Approved DWR Statement of Costs for QTR1-19

**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
QPR14-19	6/9/2021 - 6/30/2022	None Due	\$0	\$0	\$0
Ag Mitigation [1]	2/2/2022	2/17/2022	\$0	*853,449	*853,449
QPR20[2]	This Report	In Progress	\$0	\$0	\$0
[1] Tracked Separate					
[2] Subject to DWR Review					
<b>Cumulative Payments</b>			<b>\$1,137,718</b>	<b>\$27,191,518</b>	<b>\$28,329,235</b>
<b>State Payments Received Less ROW &amp; Ag Mitigation &amp; Credit</b>					<b>\$27,191,518</b>
<b>TRLIA Spent to Date Less ROW &amp; Ag Mitigation &amp; Retention</b>					<b>\$26,411,861</b>
<b>State Funding Held</b>					<b>(\$779,658)</b>
<b>Real Estate Payments Received</b>					<b>\$6,534,830</b>
<b>Ag Mitigation Advance</b>					<b>\$853,449</b>
<b>Total Payments Received</b>					<b>\$35,717,515</b>
<b>Total Grant Amount</b>					<b>\$42,529,251</b>
<b>[1] Grant Amount Remaining</b>					<b>\$6,811,737</b>

**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 [1]	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	N/A
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	*853449	\$20,702,407	\$0	\$20,702,407
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
<b>Total</b>	<b>\$1,051,439</b>	<b>\$489,202</b>	<b>\$674,423</b>	<b>\$216,715</b>	<b>\$5,310,251</b>	<b>\$9,146,462</b>	<b>\$4,805,725</b>	<b>\$2,505,701</b>	<b>\$2,991,600</b>	<b>\$0</b>	<b>\$27,191,519</b>	<b>\$1,137,718</b>	<b>\$28,329,235</b>

[1] Tracked Separate

[1] Subject to DWR Review

[3] 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.

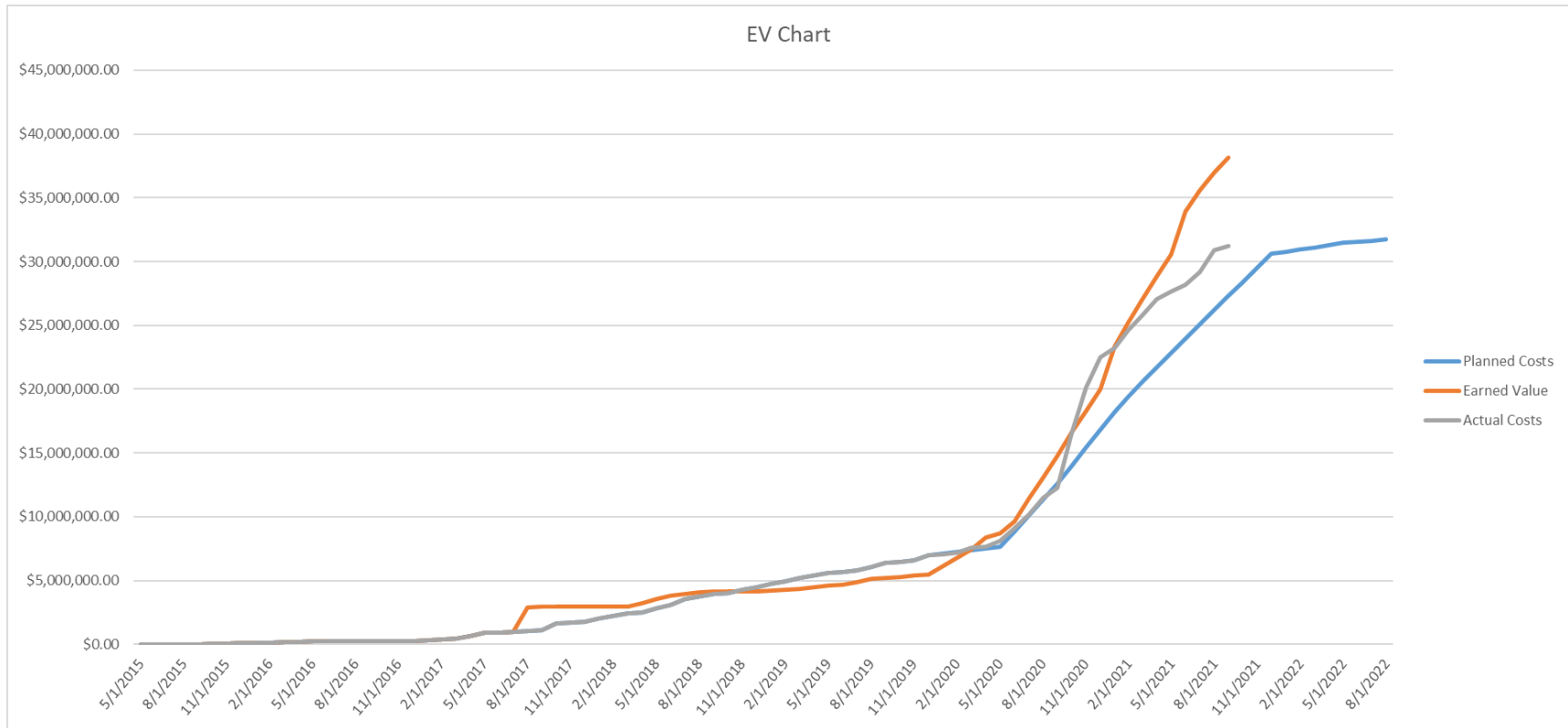
**Table 11-1. Earned Value Report by Element**

Element	Description	Cost incurred		% Spent	% Progress	Earned Value
		OAWP Budget	[1]			
1	Grant Application	\$25,100	\$0	0.0%	100.0%	\$25,100
2	Program Management	\$3,500,000	\$3,478,412	99.4%	95.0%	\$3,325,000
3	Design & ROW Support	\$5,865,000	\$4,125,715	70.3%	99.0%	\$5,806,350
4	Environmental Review & Permitting	\$1,605,000	\$978,690	61.0%	96.0%	\$1,540,800
6	Construction, Mitigation, & Other Project Acti	\$31,498,330	\$24,339,748	77.3%	97.0%	\$30,553,380
7	Closeout Process (Post Add to SPFC)	\$111,000	\$0	0.0%	0.0%	\$0
8	500-Year Project	\$2,855,000	\$1,602,743	56.1%	98.0%	\$2,797,900
5	ROW Acquisition (Post Add to SPFC) [2]	N/A	N/A	N/A	N/A	N/A
		<b>\$45,459,430</b>	<b>\$34,525,309</b>	<b>75.9%</b>	<b>96.9%</b>	<b>\$44,048,530</b>

[1] Total Cost As of June 2022 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
<b>Safety and Emergency Response Plan (Flood Safety Plan)</b>	Q20 2022	
<b>OMRR&amp;R Final Manual</b>	Q21. 2022	
<b>Project Completion Report</b>	Q21. 2022	
<b>Addition to the SPFC</b>	Q23. 2022	
OMRR&R Draft Manual		Q20 to USACE
OMRR&R Agreement		Q19. 2022
Interim OMRR&R Manual		Not Submitted.
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.