



Finance & Audit Committee

CENTRAL VALLEY STATUS REPORT

August 2023 Report (data through June 2023)

Executive Summary

Construction Packages (CP) Design-Build Expenditures ([Page 4](#))

- June 2023 Expenditures totaled \$97.5M:
 - Construction Package 1 (Page 13) - Expenditures totaled \$40.1M.
 - Construction Package 2-3 (Page 22) - Expenditures totaled \$42.0M.
 - Construction Package 4 (Page 32) - Expenditures totaled \$15.3M.
- Total CP Cumulative Actual Expenditures (Pages 12, 21, and 30) – \$4,849.2M.
- Total Cumulative Current Contract Amount (Pages 12, 21, and 30) – \$7,012.5M.

Change Orders

- Executed Change Orders this period – 34 for a total of \$99.1M:
 - Construction Package 1 (Page 14) – Two for a total of \$1.1M.
 - Construction Package 2-3 (Page 23) – 17 for a total of \$88.8M.
 - Construction Package 4 (Page 33) – 15 for a total of \$9.2M.

Risk Contingency ([Page 5](#))

- Approved Contingency – \$6,001.6M budgeted contract contingency. Contingency balance is \$1,851.5M as of data date.
 - Construction Package 1 (Page 15) – \$2,791.6M budgeted contract contingency. Contingency balance is \$769.2M as of data date.
 - Construction Package 2-3 (Page 24) – \$2,691.5M budgeted contract contingency. Contingency balance is \$970.8M as of data date.
 - Construction Package 4 (Page 34) – \$518.5M budgeted contract contingency. Contingency balance is \$111.4M as of data date.

CP Construction Labor ([Page 6](#))

- June 2023, Average Daily Site Workers (by Week) – 1,345 workers. An increase of 65 workers from the previous period (1,280):
 - Construction Package 1 (Page 16) – 347 workers. A decrease of 4 workers from the previous month (351).
 - Construction Package 2-3 (Page 25) – 735 workers. An increase of 46 workers from the previous month (689).
 - Construction Package 4 (Page 35) – 263 workers. An increase of 23 workers from the previous month (240).
- Contractors continued with construction while following safety protocols and guidelines from the Centers for Disease Control and Prevention (CDC) and Occupational Safety and Health Administration (OSHA).

CP Construction Progress ([Page 7](#))

- Structures – 71 underway/construction complete compared to 93 structures total (76%). An increase of one from the previous period.
 - Construction Package 1 – 26 structures underway/construction complete.
 - Construction Package 2-3 – 34 structures underway/construction complete. An increase of one in June 2023.
 - Construction Package 4 – 11 of 11 structures completed.
- Guideway – 90 miles underway/construction complete compared to 119 miles total (76%). No change from the previous period.
 - Construction Package 1 – 20 miles underway/construction complete.
 - Construction Package 2-3 – 48 miles underway/construction complete.
 - Construction Package 4 – 22 miles underway/construction complete.

Utility Relocations Status ([Page 8](#))

- Relocated: 1,070 (58%); In Progress: 369 (20%); Approved to Start: 12 (1%); Not Started: 385 (21%); Total: 1,836. A total of 25 relocated in June 2023. A sequence of activities must be completed to begin utility relocation work. These activities include environmental clearance, executed third-party agreement(s), design approval, construction work plans, pre-construction walkthroughs, acquisition of real property, and/or land right conveyances:
 - Construction Package 1 – Relocated: 484 (49%); In Progress: 296 (30%); Approved to Start: 0 (0%); Not Started: 212 (21%); Total: 992.
 - Construction Package 2-3 – Relocated: 469 (67%); In Progress: 59 (8%); Approved to Start: 0 (0%); Not Started: 173 (25%); Total: 701.
 - Construction Package 4 – Relocated: 117 (82%); In Progress: 14 (10%); Approved to Start: 12 (8%); Not Started: 0 (0%); Total: 143.

CP Real Property/Right-of-Way (ROW) ([Pages 10 - 11](#))

- Total Parcels Delivered to Date – 2,230 parcels compared to an estimated 2,292 parcels needed.
- Parcels Delivered to Design-Builder (DB) – Five parcels in June 2023.
- Construction Packages 1-4 – Zero parcels added and one parcel removed for CP 2-3. The Authority continues to receive requests for additional parcels primarily related to third-party requirements. The Authority reviews these as received and if merit is found, those parcels will be added and acquired per contractual terms.
- Total Railroad Parcels Delivered to Date – 147 parcels delivered compared to an estimated 171 total railroad parcels needed.
- Railroad Parcels Delivered to Design-Builder – Zero parcels in June 2023.

Project Development (Environmental Clearance) Schedule – Notice of Determination (NOD)/Record of Decision (ROD) ([Pages 40 - 41](#))

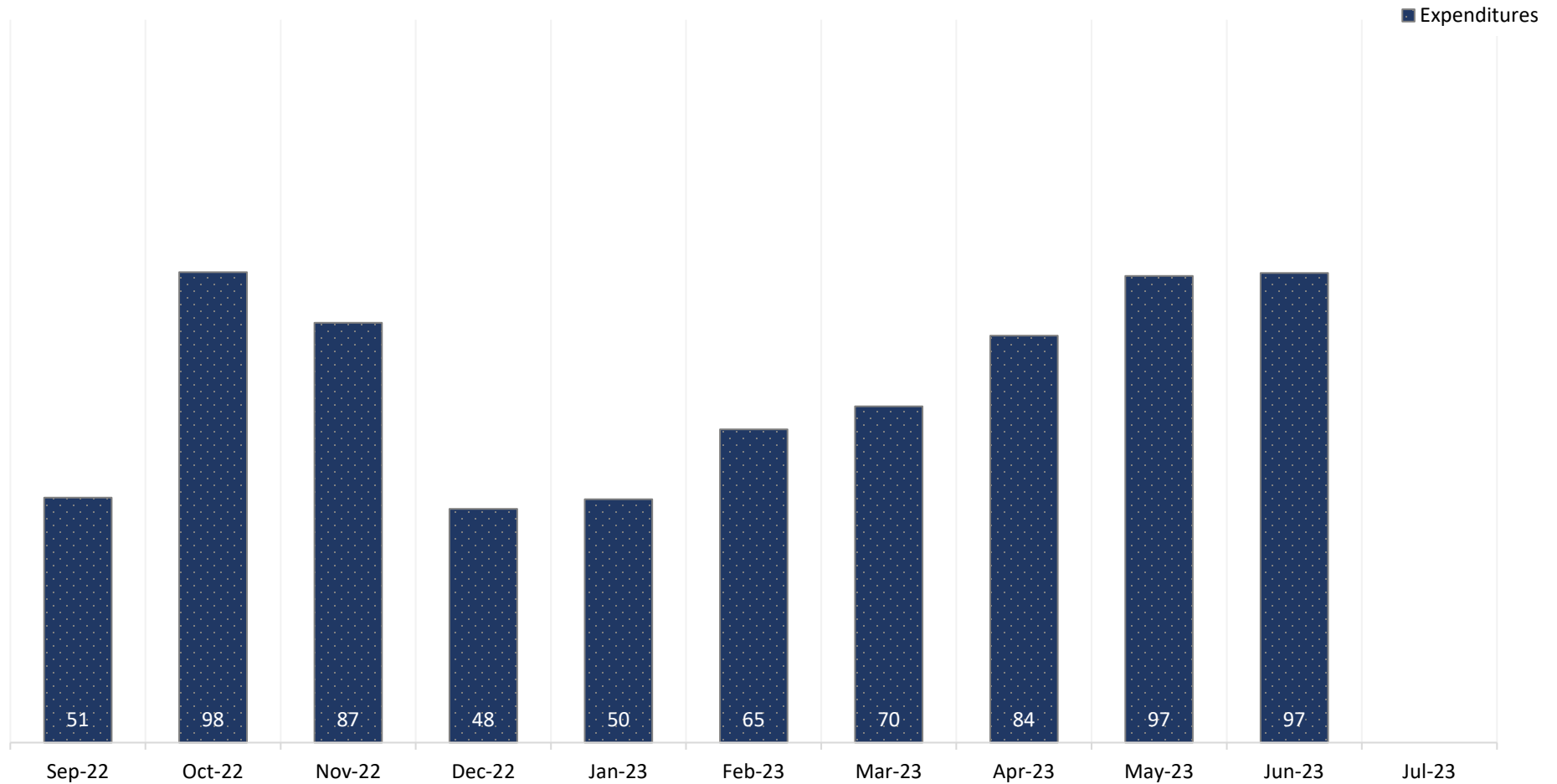
- San Francisco to San Jose – Work through NOD/ROD has been completed. Staff finalizing the Administrative Record.
- San Jose to Merced – Work through NOD/ROD has been completed. Staff finalizing the Administrative Record.
- Bakersfield to Palmdale – Work through NOD/ROD has been completed. Continued meeting with key stakeholders, including the Center for Biological Diversity.
- Palmdale to Burbank – Regional Consultant is preparing the Administrative Final Environmental Impact Report (EIR)/Environmental Impact Statement (EIS) for review and approval by the Authority prior to being submitted to the Cooperating Agencies. Major activities on this project section included preparing response to comments received on the Draft EIR/EIS and preparing permitting documents.
- Burbank to Los Angeles – Work through NOD/ROD has been completed. Project closeout activities are ongoing.
- Los Angeles to Anaheim – Admin Draft scheduled for Spring 2024. NOD/ROD anticipated in late 2025.

Project Development (Post-Record of Decision) Schedule ([Page 41](#))

- Merced Extension (Merced to Madera) – Stantec Inc., under Agreement HSR22-02, continues to make progress on the early actions of this Project. On June 30th, 2023, the Task Order #3 was issued to Stantec which is the roadmap for all deliverables in FY23-24. The Program Management Plan and the Annual Work Plan for FY23-24 was also approved on June 30th, 2023.
- Fresno to Bakersfield Locally Generated Alternative (LGA) – HNTB Corporation (HNTB), under agreement HSR22-01, continues to make progress on the early actions of this Project.

CP 1-4 – Design-Build Expenditures

CP 1-4 – Monthly Expenditures (\$ Millions)

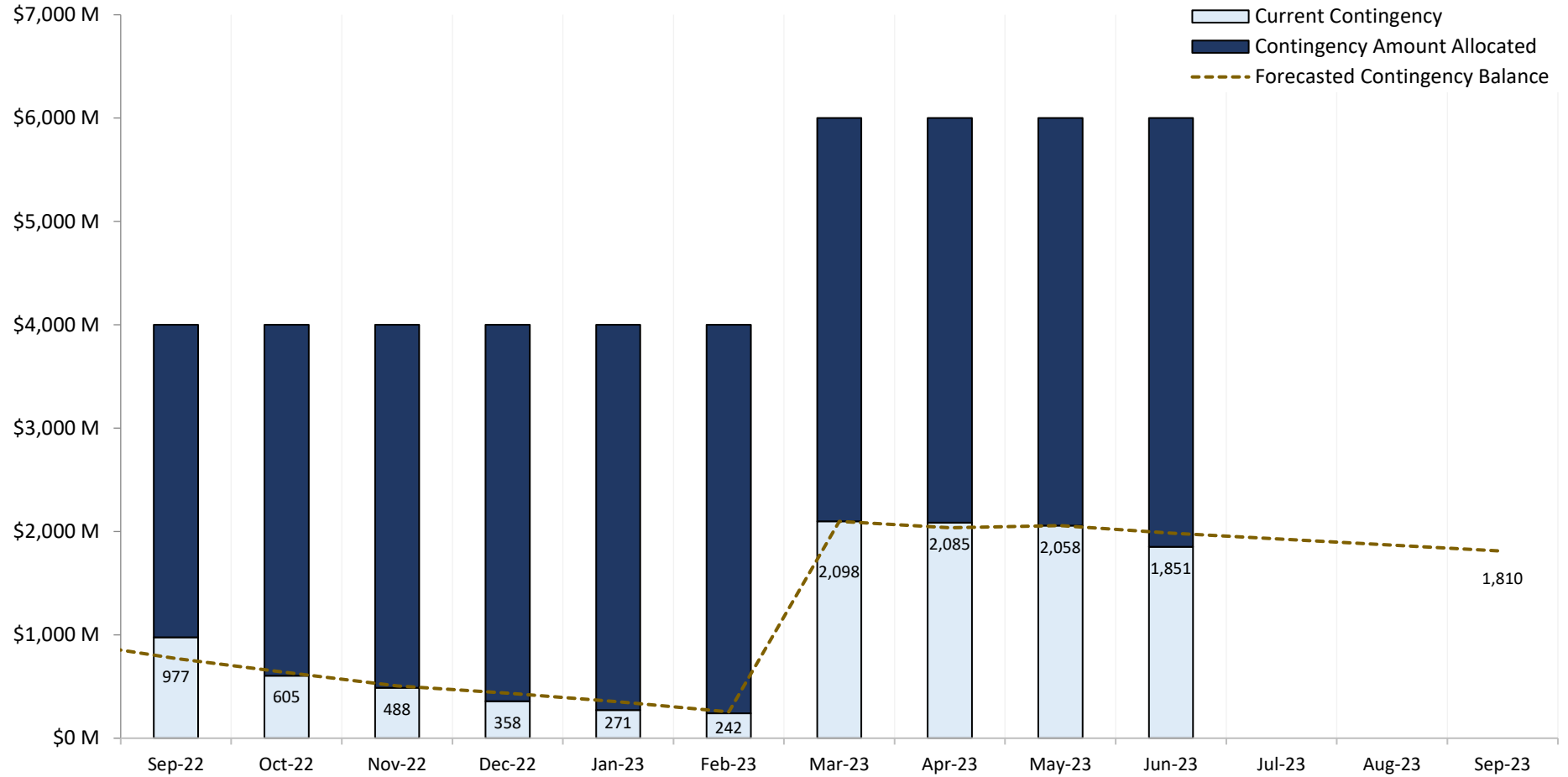


Notes:

1. June 2023 Expenditures totaled \$97.5M:
 - a. Construction Package 1 – Expenditures totaled \$40.1M.
 - b. Construction Package 2-3 – Expenditures totaled \$42.0M.
 - c. Construction Package 4 – Expenditures totaled \$15.3M.

CP 1-4 – Risk Contingency

CP 1-4 – Risk Contingency Status (\$ Millions)

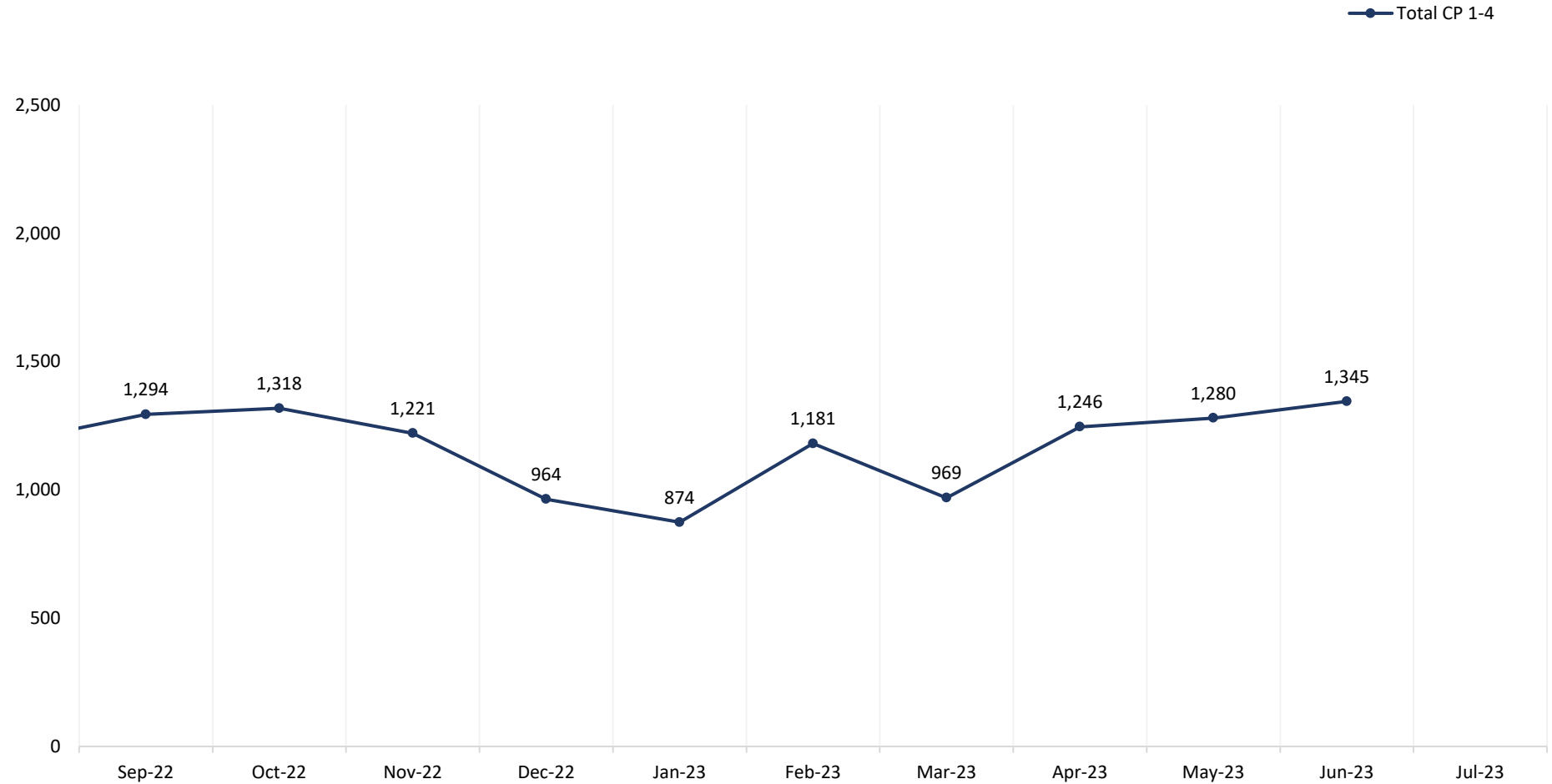


Notes:

1. March 2023 reflects the March 16, 2023 Board Expenditure Authorization which increased the total Program Contingency to \$6,001.6M.
2. Contingency balance updated to reflect the Board’s adoption of Resolution #HSR23-01 (Expenditure Authorization Increase).
3. Contingency Amount Allocated reflects all executed change orders and Business Oversight Committee (BOC) approved items for all CPs.
4. The Forecasted Contingency Balance drawdown curve is based only on agreed change orders expected to be executed within the three-month window. Due to change order negotiations, and dispute resolution, timing and value of Forecasted Contingency Balance is uncertain.

CP 1-4 – Construction Labor

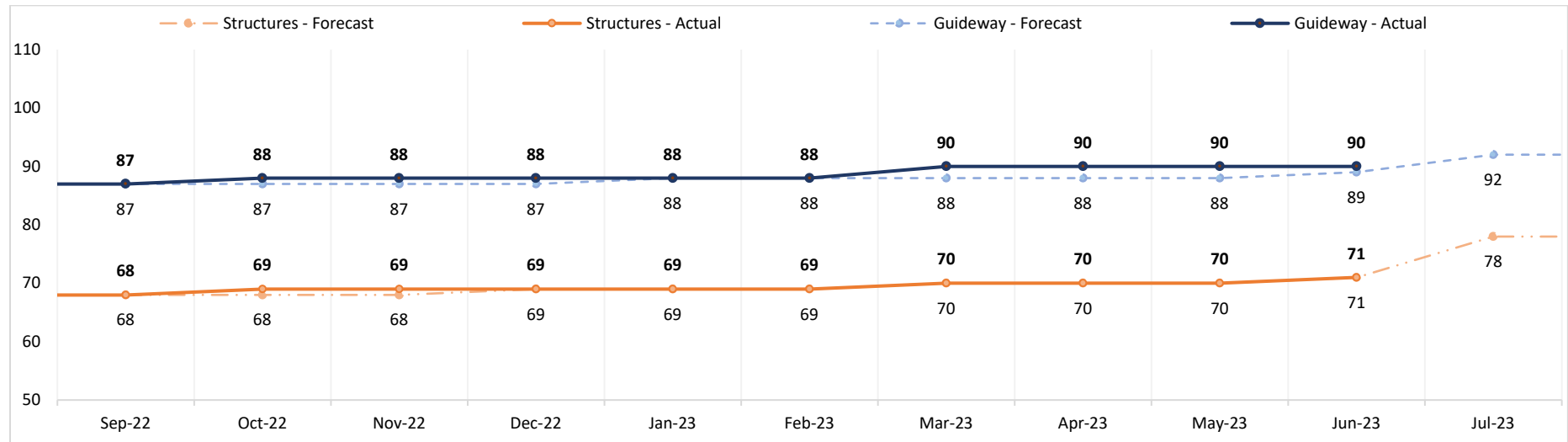
CP 1-4 – Monthly Construction Workforce Total – Actual (FTE)



- Notes:**
1. The construction labor numbers (full-time employees) are based on the weekly totals divided by the number of weeks within the working calendar month and represents the Average Daily Site Workers (by week).
 2. June 2023, Average Daily Site Workers (by week) – 1,345 workers. An increase of 65 workers from the previous period (1,280).
 - a. Construction Package 1 (Page 16) – 347 workers. A decrease of 4 workers from the previous month (351).
 - b. Construction Package 2-3 (Page 24) – 735 workers. An increase of 46 workers from the previous month (689).
 - c. Construction Package 4 (Page 34) – 263 workers. An increase of 23 workers from the previous month (240).

CP 1-4 – Construction Progress

CP 1-4 – Construction Progress to Completion – Forecast vs. Actual



Monthly Construction Status – In Progress vs. Completed

Construction	CP 1		CP 2-3		CP 4		Overall		Total
	In Progress	Completed	In Progress	Completed	In Progress	Completed	In Progress	Completed	
Guideway	18	2	15	33	6	16	39	51	90
Structures	9	17	20	14	0	11	29	42	71

Notes:

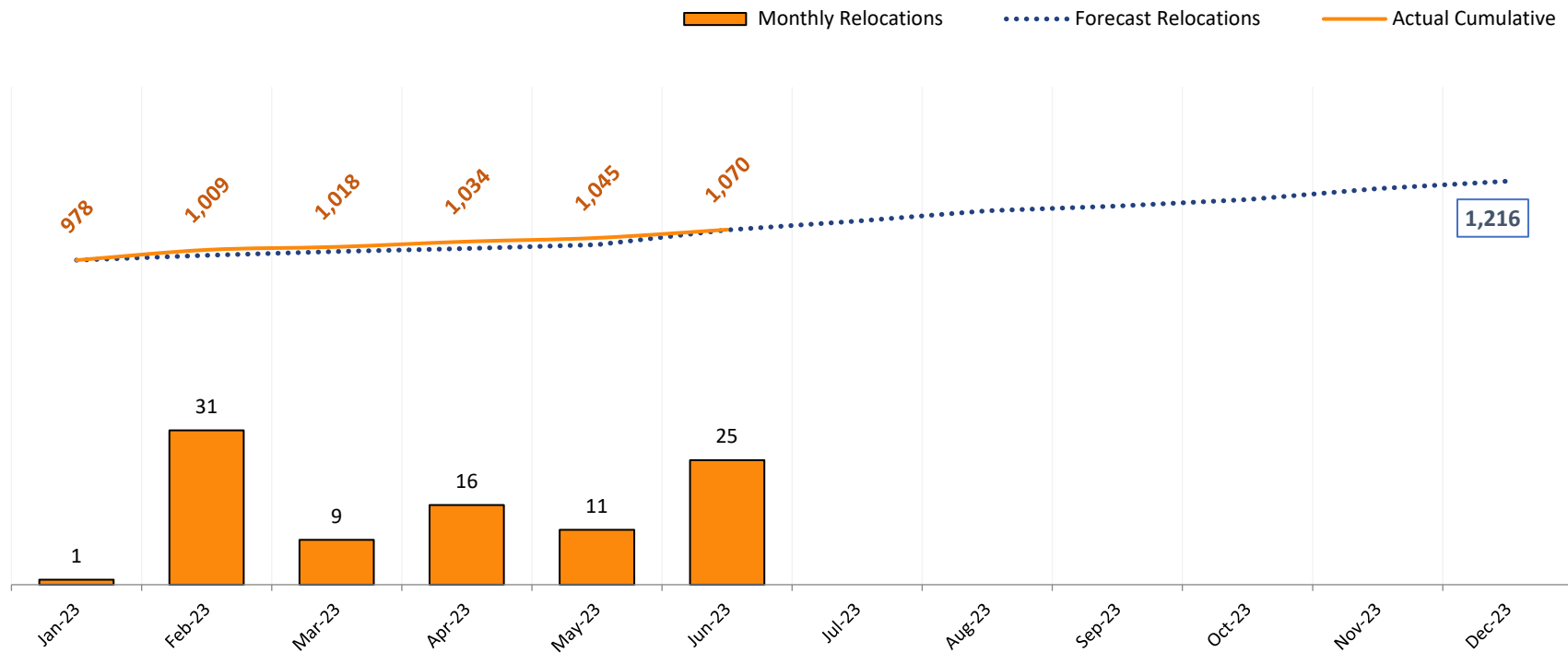
1. Construction Complete definition:
 - a. Structure Completion – all concrete work is complete.
 - b. Guideway Completion – earthworks complete with rough grading.
2. Total Structures: 93
3. Structures – 71 underway/construction complete compared to 93 structures total (76%). An increase of one from the previous period: Alpaugh Atwell Allensworth Trail started 06/13/2023.
 - a. CP 1 – 26 structures underway/construction complete.
 - b. CP 2-3 – 34 structures underway/construction complete. An increase of one in June 2023.
 - c. CP 4 – 11 of 11 structures completed.
4. Total Guideway: approximately 119 miles
5. Guideway – 90 miles underway/construction complete compared to 119 miles total (76%).
 - a. CP 1 – 20 miles underway/construction complete.
 - b. CP 2-3 – 48 miles underway/construction complete.
 - c. CP 4 – 22 miles underway/construction complete. The actual miles for CP 4 are 21.5 miles but rounded to 22 miles for consistency in reporting.

CP 1-4 – Utility Relocations

CP 1-4 – Utility Relocation Summary

Construction Package	Total Relocations June 30, 2023	Total Utilities Relocated to Date June 30, 2023	Remaining Utility Relocations June 30, 2023
CP 1	992	484	508
CP 2-3	701	469	232
CP 4	143	117	26
Total	1,836	1,070	766

CP 1-4 – Utility Relocation Status Summary-Monthly



Notes:

1. Updated utility goal numbers for 2023.

CP 1-4 – Utility Relocation Summary

CP 1-4 – Summary by Utility Type

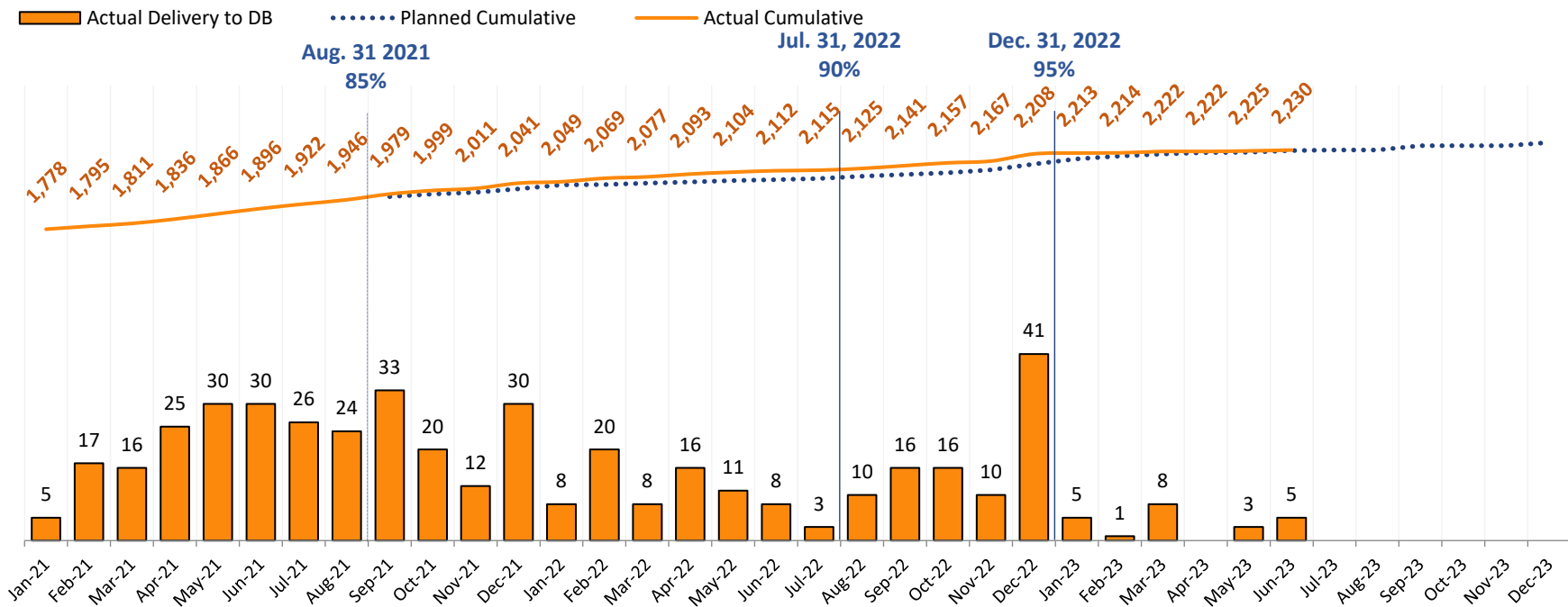
Utility	Status	CP-1	CP-2-3	CP-4	CP 1-4 Total	Percentage
Electric	NOT STARTED	93	102	0	195	30%
	APPROVED TO START	0	0	1	1	0%
	IN PROGRESS	14	51	2	67	10%
	RELOCATED	108	231	59	398	60%
	TOTAL	215	384	62	661	100%
Gas	NOT STARTED	25	12	0	37	29%
	APPROVED TO START	0	0	0	0	0%
	IN PROGRESS	22	0	0	22	18%
	RELOCATED	44	15	7	66	53%
	TOTAL	91	27	7	125	100%
Telecom	NOT STARTED	40	28	0	68	10%
	APPROVED TO START	0	0	0	0	0%
	IN PROGRESS	157	3	2	162	24%
	RELOCATED	218	202	30	450	66%
	TOTAL	415	233	32	680	100%
Wet	NOT STARTED	54	31	0	85	23%
	APPROVED TO START	0	0	11	11	3%
	IN PROGRESS	103	5	10	118	32%
	RELOCATED	114	21	21	156	42%
	TOTAL	271	57	42	370	100%

CP 1-4 – Real Property/Right-of-Way (ROW)

CP 1-4 – Right-of-Way (ROW) Summary

Construction Package	Total Needed Parcels June 30, 2023	Total Parcels Delivered to Date June 30, 2023	Remaining Parcels to be Delivered June 30, 2023
CP 1	1,083	1,062	21
CP 2-3	986	945	41
CP 4	223	223	0
Total	2,292	2,230	62

CP 1-4 – Parcel Delivery to Design-Builder (DB) Summary



Notes:

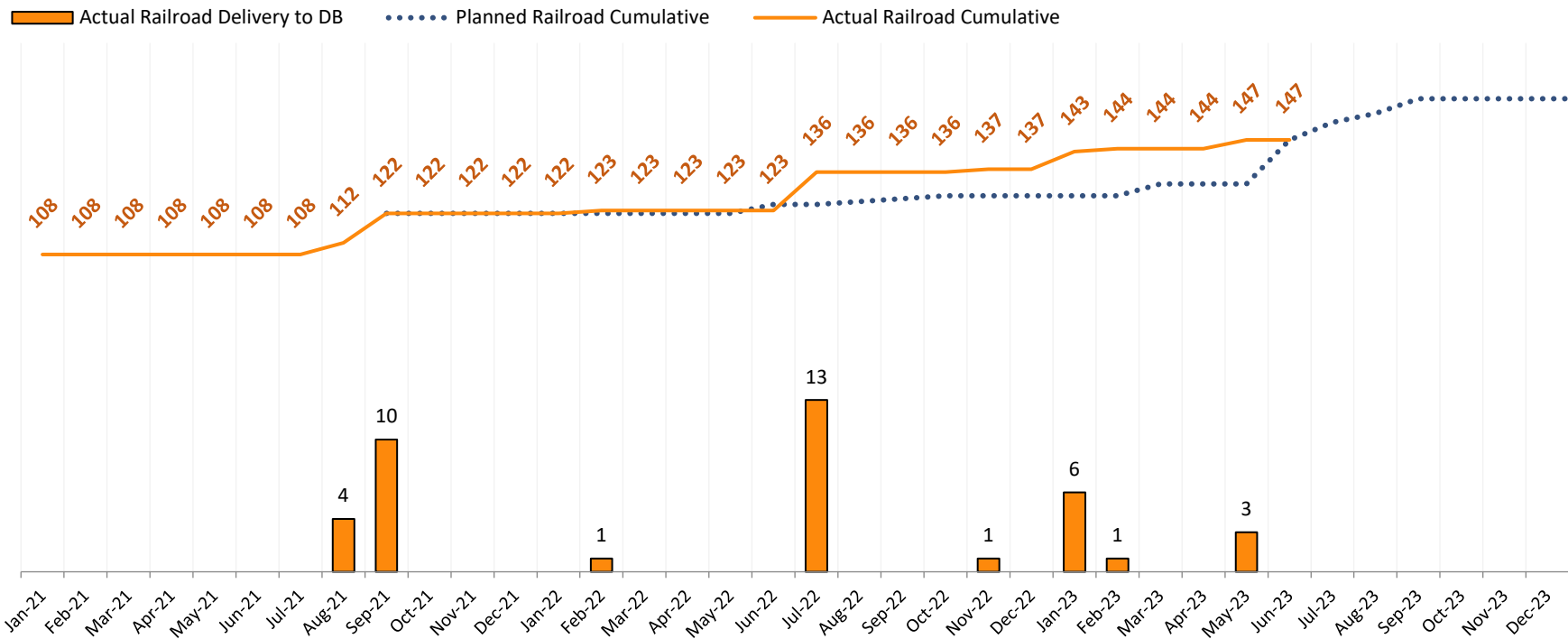
1. This reflects the actual parcels delivered to the Design-Builder by month compared to the planned delivery schedule which identifies 90% and 95% milestone completion for CP 1-4.
2. Delivery to Design Builder 90% milestone completion was achieved for CP 1-4 in March 2022 and 96% percent of parcels delivered by December 2022.

CP 1-4 – Real Property/Right-of-Way (ROW) Railroad

CP 1-4 – Right-of-Way (ROW) Railroad Summary

Construction Package	Total Needed Railroad Parcels June 30, 2023	Total Railroad Parcels Delivered to Date June 30, 2023	Remaining Railroad Parcels to be Delivered June 30, 2023
CP 1	84	64	20
CP 2-3	58	54	4
CP 4	29	29	0
Total	171	147	24

CP 1-4 – Railroad Parcel Delivery to Design-Builder (DB) Summary



Notes:

1. This reflects the actual Railroad parcels delivered to the Design-Builder by month and forecasts based on Revised Baseline Schedules (RBS) Revision 4.

CONSTRUCTION PACKAGE 1 (CP 1) OVERVIEW

CP 1 – Design-Build Contract Summary⁽¹⁾

Milestones

Milestone	Date
Request for Quote (RFQ) Date:	11/15/2011
Statement of Qualification (SOQ) Date:	12/19/2011
Request for Proposal (RFP) Date:	03/22/2012
Proposal:	01/18/2013
Bid Open Date:	04/13/2013
Award Date:	08/16/2013
Notice to Proceed (NTP) 1 Date:	10/15/2013
Notice to Proceed (NTP) 2 Date:	11/22/2013
Notice to Proceed (NTP) 3 Date:	07/11/2014
Original Completion Date:	03/31/2018
Current Forecast Contract Completion Date ⁽²⁾ :	03/05/2026
Current Forecast Construction Completion Date⁽²⁾:	12/31/2025

Contract Value

Description	Amount
Fixed Bid Price:	\$969,988,000.00
Provisional Sums:	\$53,000,000.00
Original Contract Price:	\$1,022,988,000.00
Executed Change Orders:	\$2,231,108,237.47
Current Contract Amount:	\$3,254,096,237.47
Approved Invoices to Date:	\$2,117,016,824.70
Remaining Contract Balance:	\$1,137,079,412.77

Contract Time Status

Description	Duration
Original Contract Days:	1,628
Extension of Time Awarded ⁽³⁾ :	2,832
Current Forecast Contract Days ⁽³⁾ :	4,460
Calendar Days Worked (thru 06/30/2023):	3,545

Expended to Date

Description	Percentage
Time ⁽³⁾ :	79.5%
Dollars:	65.1%

Growth Percentage

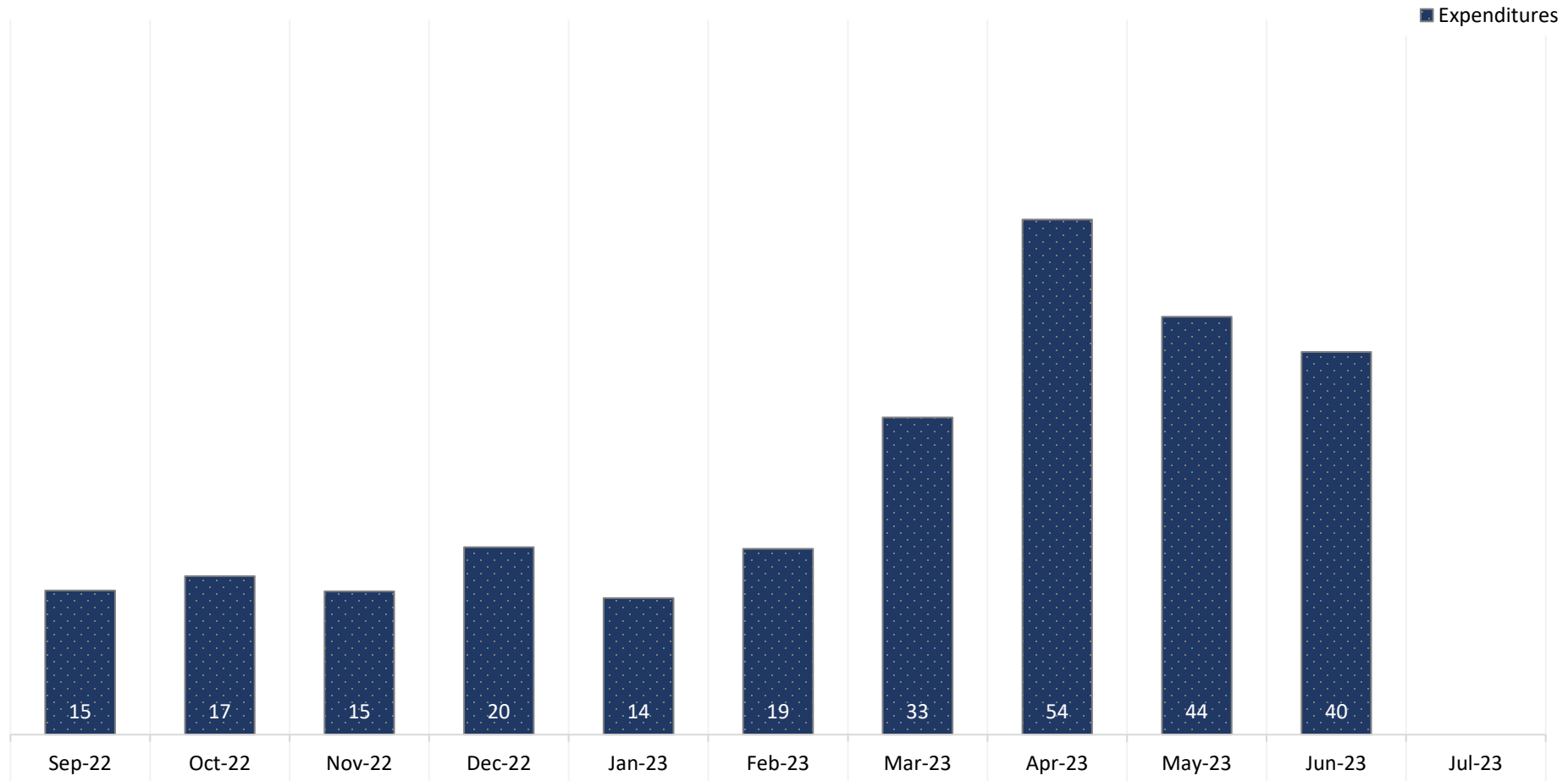
Description	Percentage
Time ⁽³⁾ :	174.0%
Dollars:	218.1%

Notes:

1. Data in this section is sourced from data provided by the PCM – Monthly Status Report.
2. Updated per the accepted Revised Baseline Schedule (RBS) Revision 4.
3. Contract Time Status (Extension of Time Awarded and Current Contract Days), Expended to Date (Time), and Growth Percentage (Time) calculation is based on the Current Forecast Construction Completion Date.

CP 1 – Design-Build Expenditures

CP 1 – Monthly Expenditures (\$ Millions)



Notes:

1. Expenditures in the chart above are specific to the Design-Builder production and based on the Capital Outlay and Expenditure Report.
2. Expenditures totaled \$40.1M.

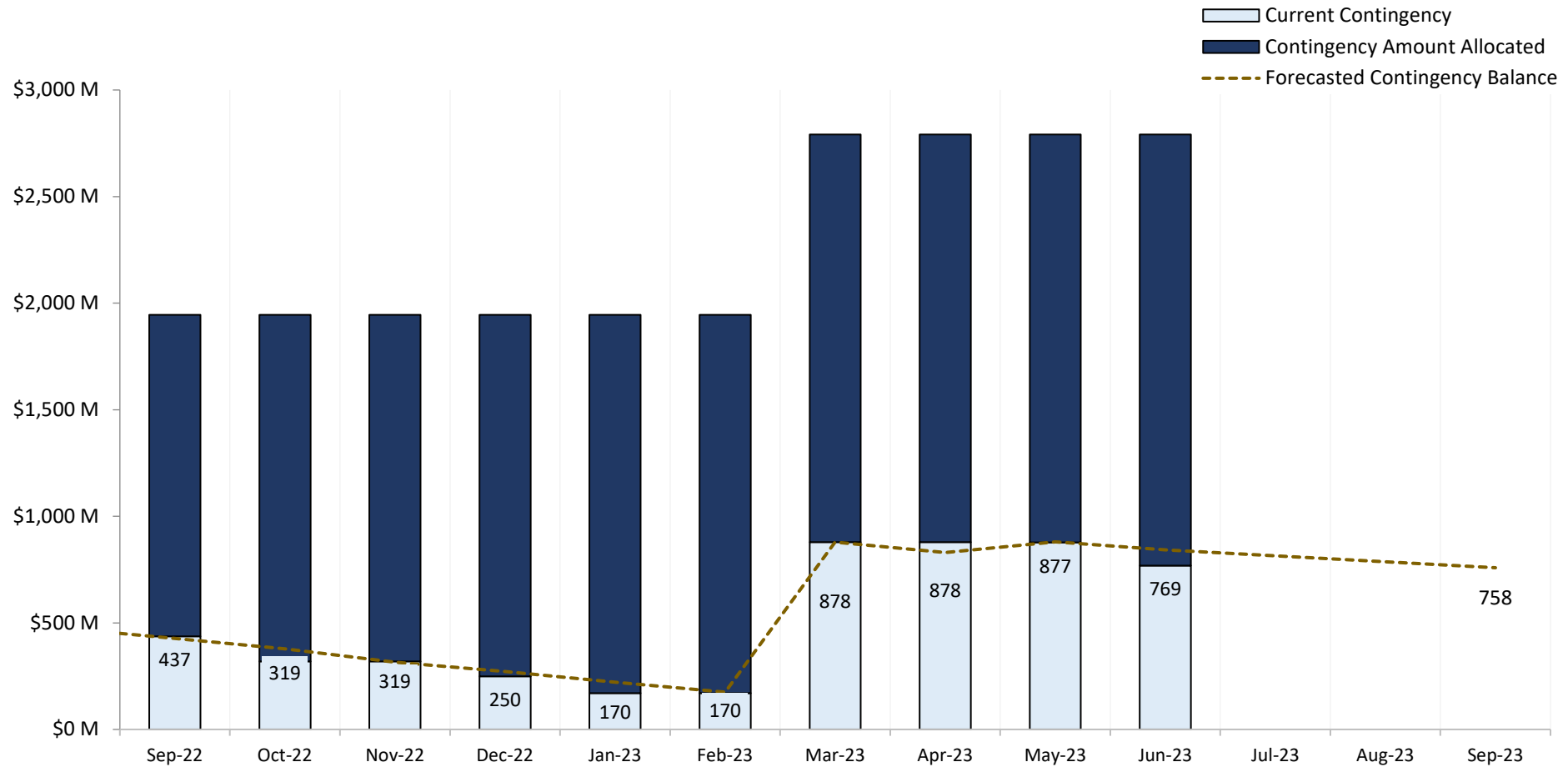
CP 1 – Change Orders (CO)

CP 1 – Change Order Status

CO Number	Title	Change Status	Amount	Executed Date
495	DL-0228 UPRR Drainage adjacent to Fresno Trench	Executed	\$51,496.00	06-29-23
500	DL-0163 - Ave 9 Retaining Wall Design Options for PG&E Relocation GT1-005 - Construction	Executed	\$1,065,130.00	06-02-23
TOTAL			\$1,116,626.00	

CP 1 – Risk Contingency

CP 1 – Risk Contingency Status (\$ Millions)

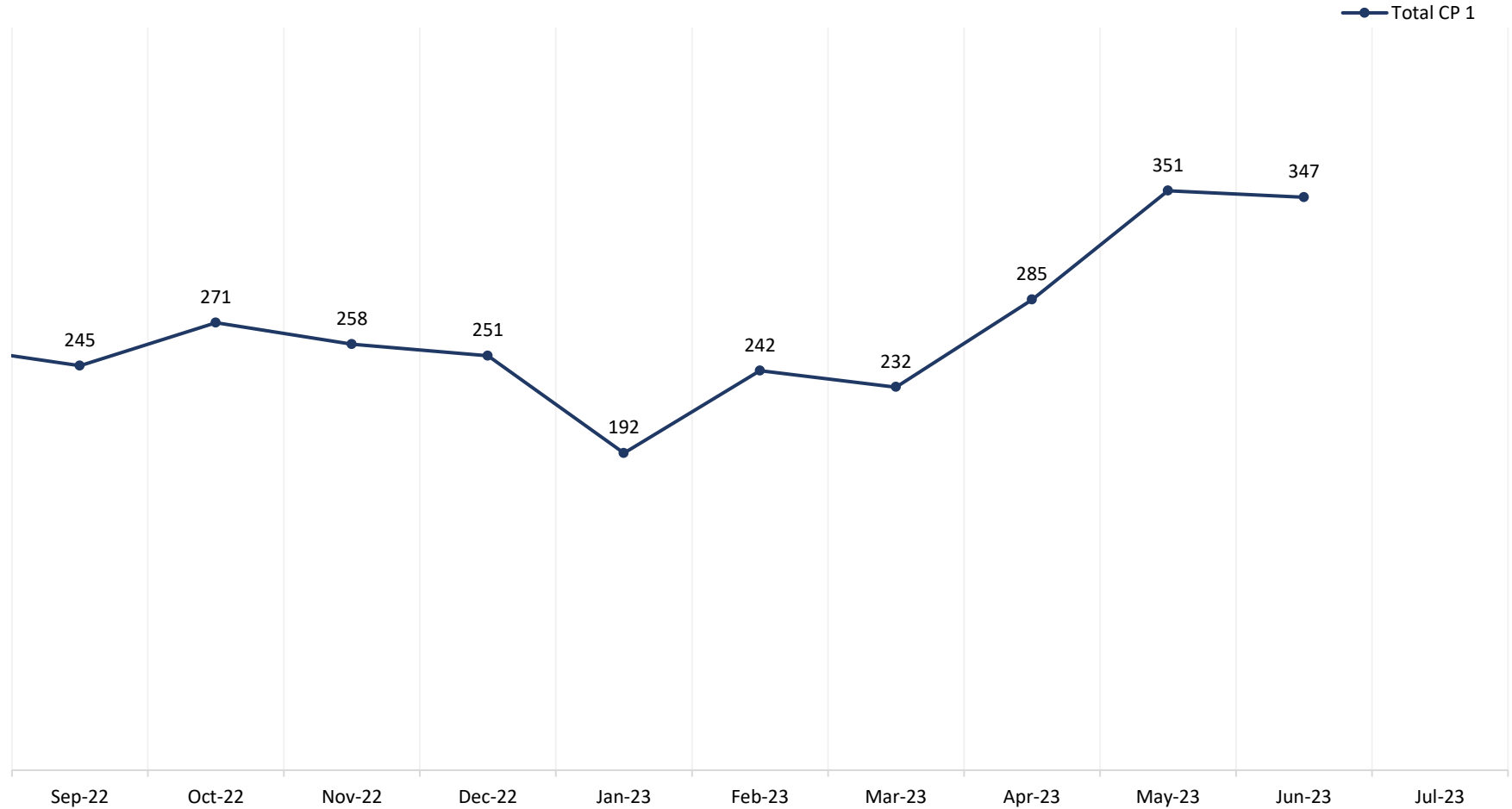


Notes:

1. March 2023 reflects the March 16, 2023 Board Expenditure Authorization which increased the total CP 1 Contingency to \$2,791.6M.
2. Contingency balance updated to reflect the Board’s adoption of Resolution #HSR23-01 (Expenditure Authorization Increase).
3. Contingency Amount Allocated reflects executed change orders and Business Oversight Committee (BOC) approved items.
4. The Forecasted Contingency Balance drawdown curve is based only on agreed change orders expected to be executed within the three-month window. Due to change order negotiations and dispute resolution, timing and value of Forecasted Contingency Balance can vary.

CP 1 – Monthly Construction Labor

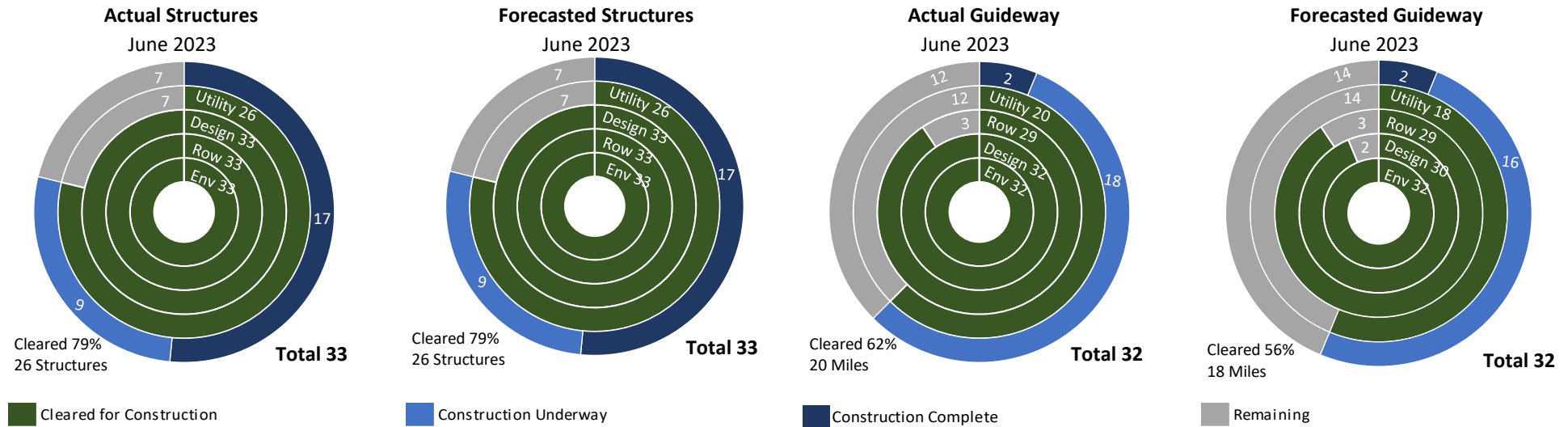
CP 1 – Monthly Construction Workforce Total – Actual (FTE)



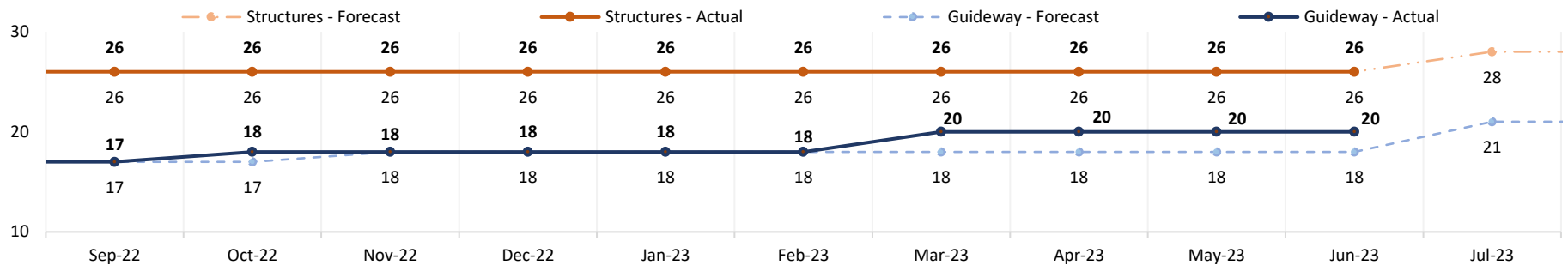
- Notes:**
1. The construction labor numbers (full-time employees) are based on the weekly totals divided by the number of weeks within the working calendar month and represents the Average Daily Site Workers (by week).
 2. A decrease of 4 workers from the previous month (351).

CP 1 – Construction Progress

CP 1 – Construction Progress



CP 1 – Structures and Guideway Progress – Forecast vs. Actual



- Notes:**
- The circle charts above incorporate Revised Baseline Schedules (RBS4) accepted schedule.
 - Construction Complete definition:
 - Structure Completion – all concrete work is complete.
 - Guideway Completion – earthworks complete with rough grading.
 - Total Structures: 33:
 - 26 structures underway/construction complete.
 - Total Guideway: 32 miles.
 - 20 miles underway/construction complete.
 - There are 32 miles of guideway approved by the Authority, but 2.5 miles (Caltrans section) has not been approved by Union Pacific Railroad (UPRR). Update: UPRR has approved the Caltrans 2.5 miles at 60% Design with 90% Design progressing. The Caltrans 2.5 mile IPB Work Plan has been approved and work commenced February 2023.
 - Late finish dates are being used to estimate forecast numbers.

CP 1 – Utility Relocation Summary

CP 1 - High Level Summary

Status	Utility Relocations	Percentage
Total Utilities Not Started	212	21%
Total Utilities Approved to Start	0	0%
Total Utilities in Progress	296	30%
Total Utilities Relocated	484	49%
Total	992	100%

CP 1 – Summary by Utility Type

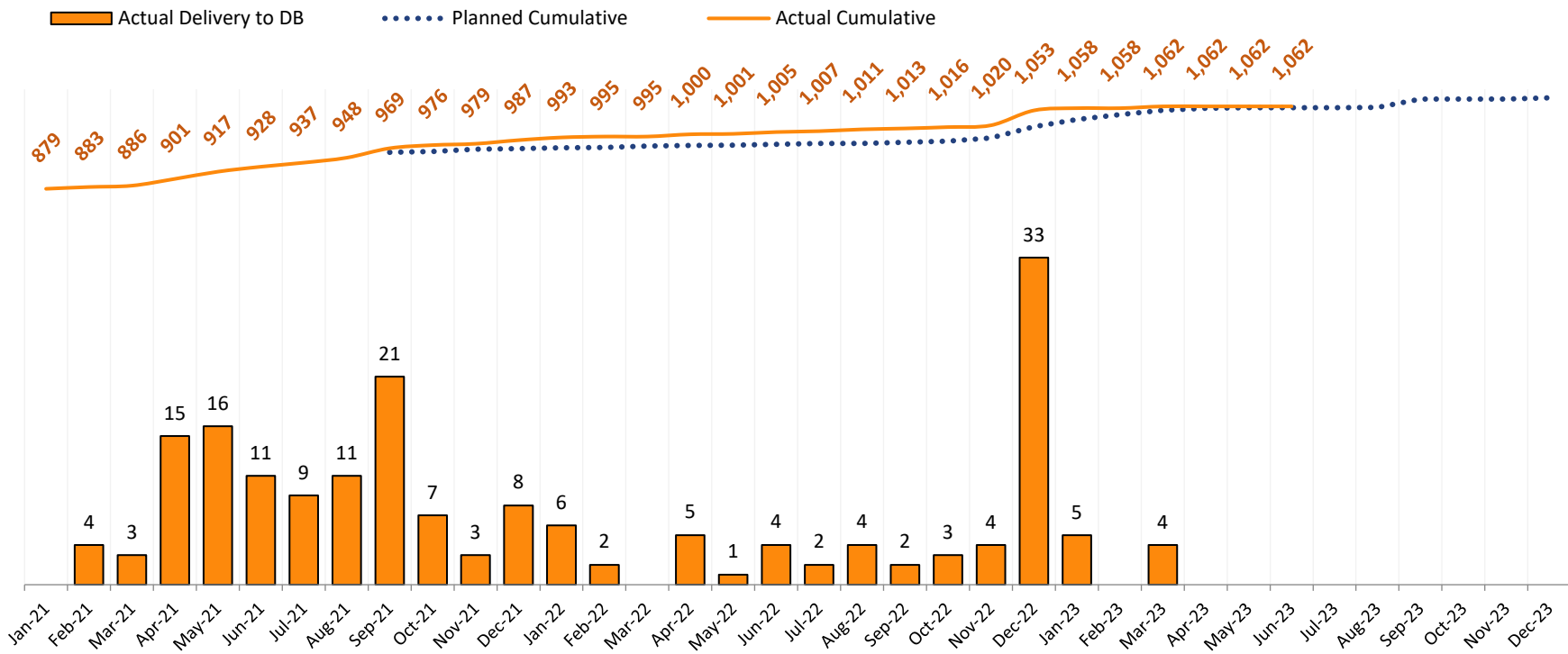
Utility	Status	Utility Relocations	Percentage
Electric	NOT STARTED	93	43%
	APPROVED TO START	0	0%
	IN PROGRESS	14	7%
	RELOCATED	108	50%
	TOTAL	215	100%
Gas	NOT STARTED	25	28%
	APPROVED TO START	0	0%
	IN PROGRESS	22	24%
	RELOCATED	44	48%
	TOTAL	91	100%
Telecom	NOT STARTED	40	10%
	APPROVED TO START	0	0%
	IN PROGRESS	157	38%
	RELOCATED	218	52%
	TOTAL	415	100%
Wet	NOT STARTED	54	20%
	APPROVED TO START	0	0%
	IN PROGRESS	103	38%
	RELOCATED	114	42%
	TOTAL	271	100%

CP 1– Real Property/Right-of-Way (ROW)

CP 1 – Right-of-Way (ROW) Summary

Construction Package	Total Needed Parcels June 30, 2023	Total Parcels Delivered to Date June 30, 2023	Remaining Parcels to be Delivered June 30, 2023
CP 1	1,083	1,062	21

CP 1 – Parcel Delivery to Design-Builder (DB) Summary



Notes:

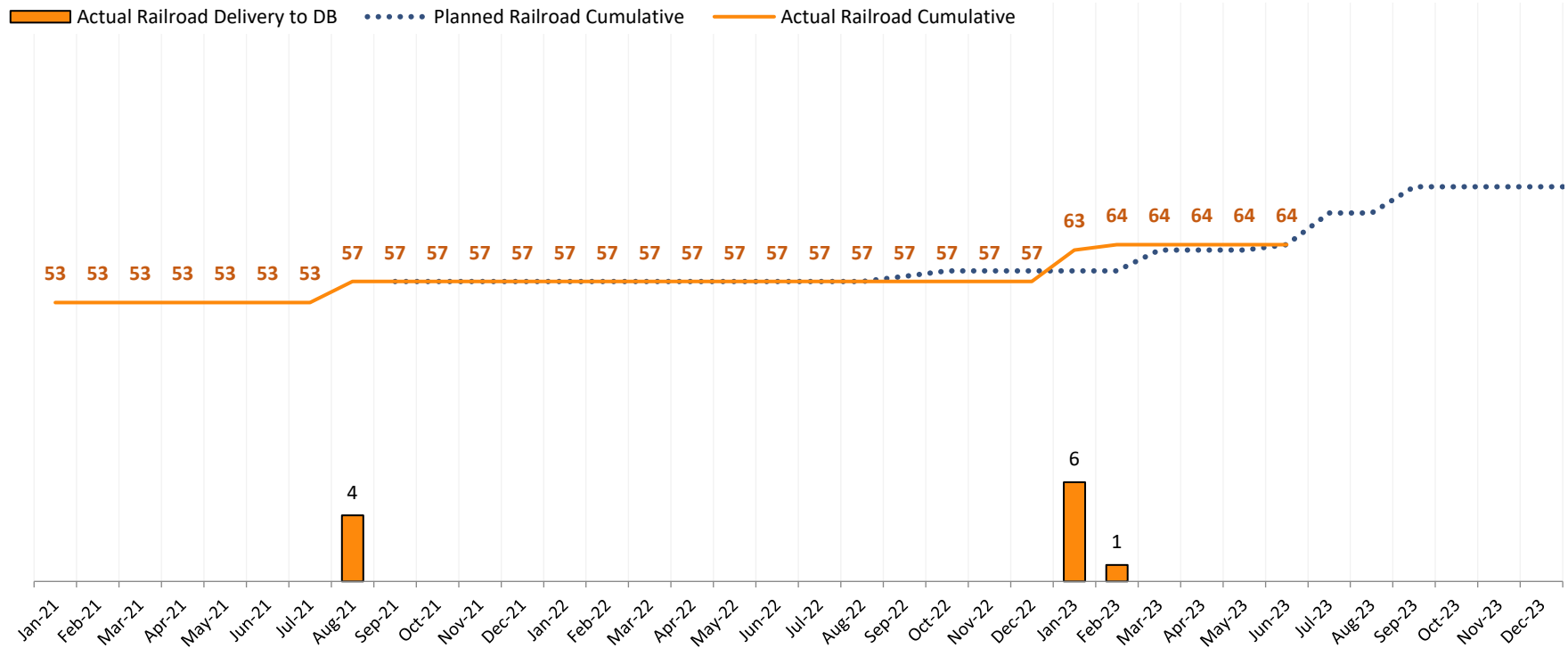
1. This reflects the actual parcels delivered to the Design-Builder by month and forecasts based on Revised Baseline Schedules (RBS) Revision 4.

CP 1 – Real Property/Right-of-Way (ROW) Railroad

CP 1 – Right-of-Way (ROW) Railroad Summary

Construction Package	Total Needed Railroad Parcels June 30, 2023	Total Railroad Parcels Delivered to Date June 30, 2023	Remaining Railroad Parcels to be Delivered June 30, 2023
CP 1	84	64	20

CP 1 – Railroad Parcel Delivery to Design-Builder (DB) Summary



Note:

- This reflects the actual Railroad parcels delivered to the Design-Builder by month and forecasts based on Revised Baseline Schedules (RBS) Revision 4.

CONSTRUCTION PACKAGE 2-3 (CP 2-3) OVERVIEW

CP 2-3 – Design-Build Contract Summary⁽¹⁾

Milestones

Milestone	Date
Request for Quote (RFQ) Date:	10/09/2013
Statement of Qualification (SOQ) Date:	12/13/2013
Request for Proposal (RFP) Date:	04/03/2014
Proposal:	10/30/2014
Bid Open Date:	12/11/2014
Award Date:	06/10/2015
Late Notice to Proceed (LNTP) Date:	06/12/2015
Notice to Proceed (NTP) Date:	07/25/2015
Original Completion Date:	08/19/2019
Current Forecast Contract Completion Date ⁽²⁾ :	05/21/2026
Current Forecast Construction Completion Date⁽²⁾:	03/21/2026

Contract Value

Description	Amount
Fixed Bid Price:	\$1,205,335,890.00
Provisional Sums:	\$160,000,000.00
Original Contract Price:	\$1,365,335,890.00
Executed Change Orders:	\$1,648,146,733.28
Current Contract Amount:	\$3,013,482,623.28
Approved Invoices to Date:	\$2,053,407,370.07
Remaining Contract Balance:	\$960,075,253.21

Contract Time Status

Description	Duration
Original Contract Days:	1,486
Extension of Time Awarded ⁽³⁾ :	2,406
Current Forecast Contract Days ⁽³⁾ :	3,892
Calendar Days Worked (thru 06/30/2023):	2,897

Expended to Date Percentage

Description	Percentage
Time ⁽³⁾ :	74.4%
Dollars:	68.1%

Growth Percentage

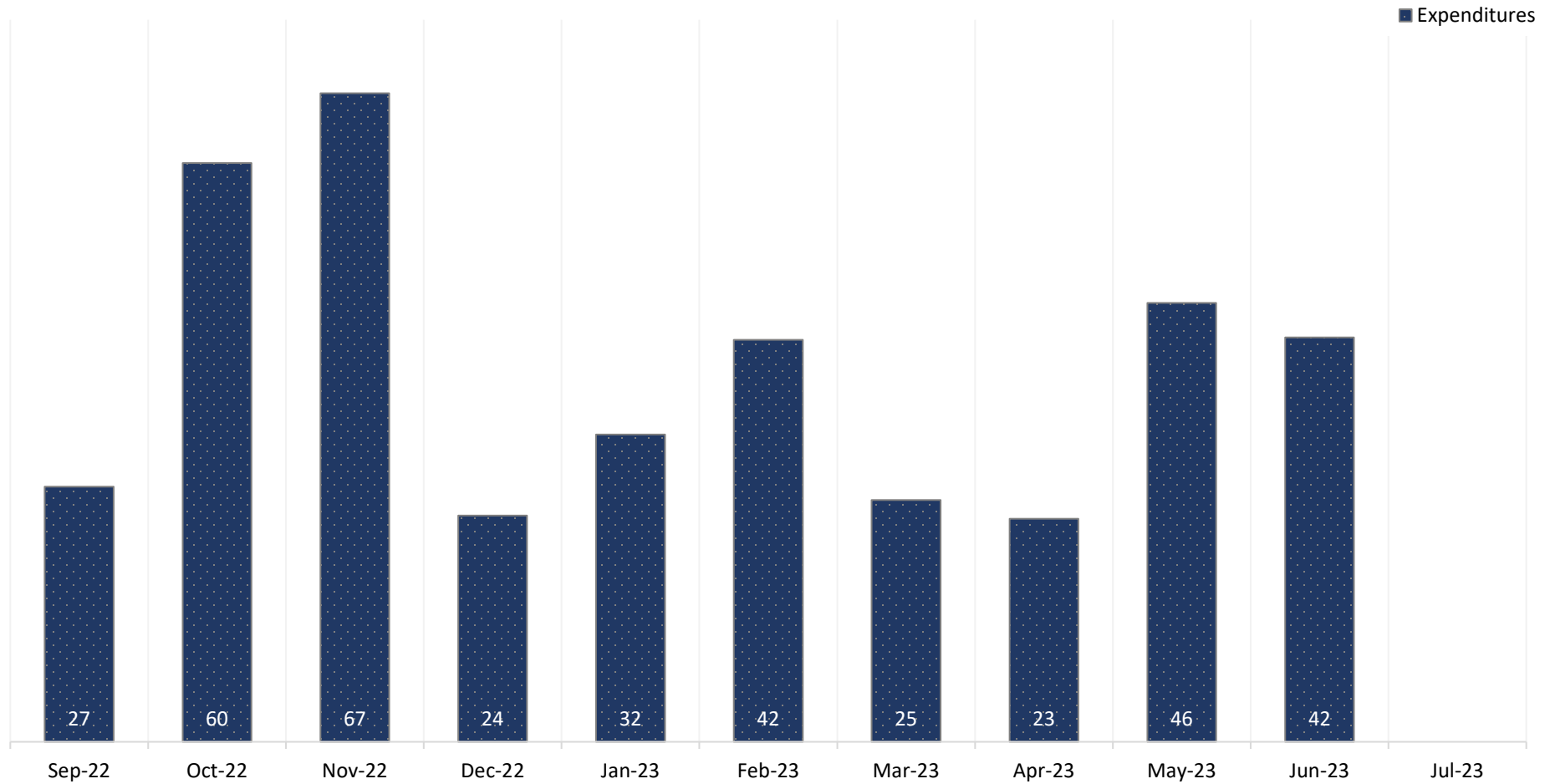
Description	Percentage
Time ⁽³⁾ :	161.9%
Dollars:	120.7%

Notes:

1. Data in this section is sourced from data provided by the PCM – Monthly Status Report.
2. Updated per the conditionally accepted Revised Baseline Schedule (RBS) Revision 4.
3. Contract Time Status (Extension of Time Awarded and Current Contract Days), Expended to Date (Time), and Growth Percentage (Time) calculation is based on the Current Forecast Construction Completion Date.

CP 2-3 – Design-Build Expenditures

CP 2-3 – Monthly Expenditures (\$ Millions)



Notes:

1. Expenditures in the chart above are specific to the Design-Builder production and based on the Capital Outlay and Expenditure Report.
2. Expenditures totaled \$42.0M.

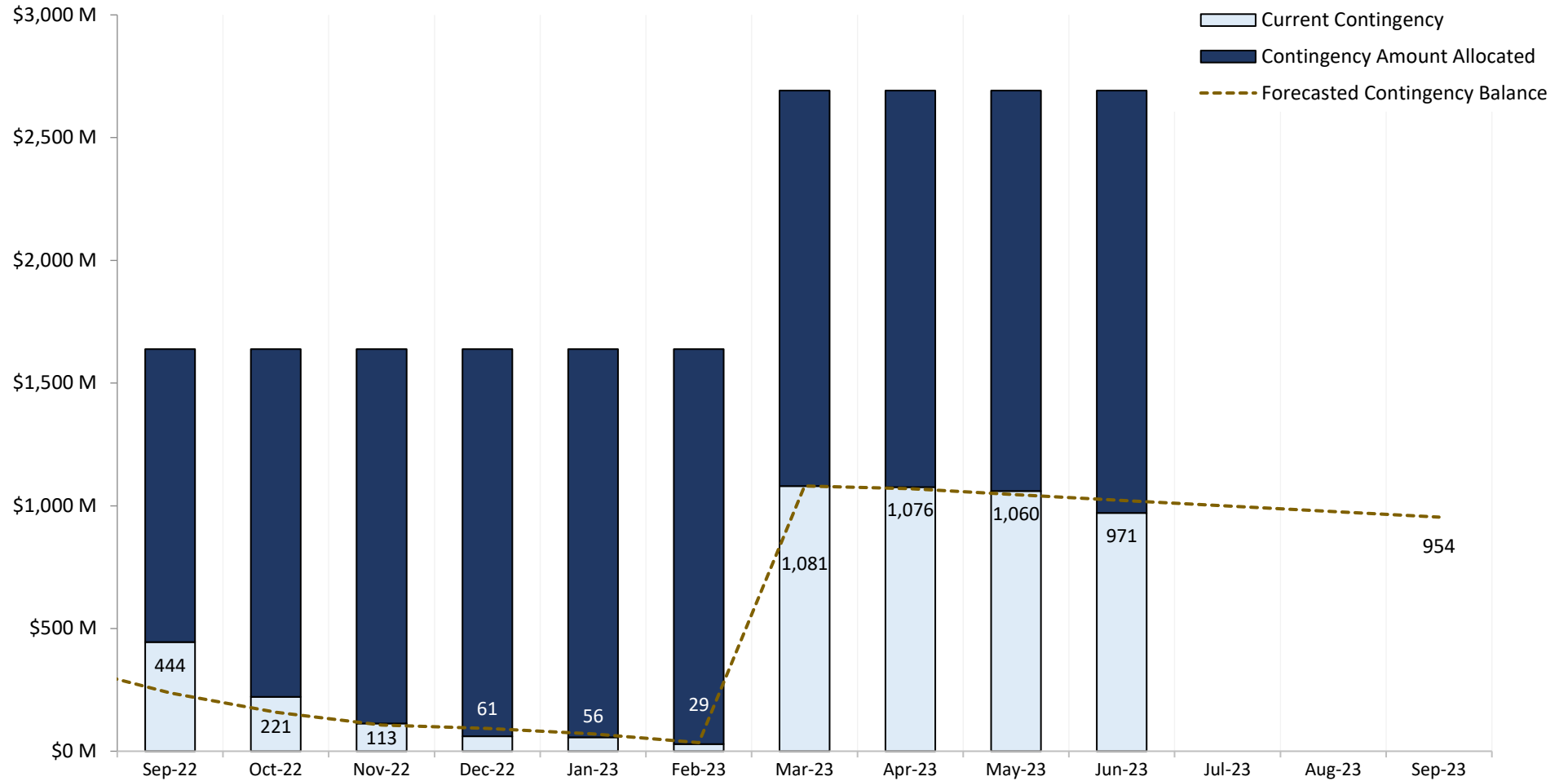
CP 2-3 – Change Orders (CO)

CP 2-3 – Change Order Status

CO Number	Title	Change Status	Amount	Executed Date
313	Intrusion Protection Barrier Design Revisions – Design Only	Executed	\$1,216,889.69	06-30-23
384	CID Temporary Bypass Systems – Design & Construction – T&M	Executed	\$2,657,661.00	06-23-23
51.1	OCS Structural Connections	Executed	\$6,229,237.00	06-22-23
339	Hanford Viaduct Maintenance of Traffic at SR 198	Executed	\$3,207,686.00	06-22-23
281	Mountain View Avenue Embankment Placement	Executed	\$1,160,000.00	06-22-23
168.9	Dudek - Prolonged Environmental Costs - March 2022 - October 2022	Executed	\$5,360,600.00	06-20-23
168.10	Dudek - Prolonged Environmental Costs - November 2022 - January 2023	Executed	\$1,845,690.00	06-19-23
336	Floral Avenue Embankment Placement	Executed	\$800,000.00	06-19-23
369	Tule River Viaduct – Interim Change Order	Executed	\$18,000,000.00	06-19-23
45.40	Escalation Costs - December 2022	Executed	\$1,013,359.00	06-12-23
45.39	Escalation Costs - November 2022	Executed	\$1,004,872.00	06-12-23
368	Curved Bridge Open Abutments – DL 44.1	Executed	\$1,429,006.00	06-12-23
381	Pacific Boring Underground Obstructions - Lawrence Ditch	Executed	\$58,203.00	06-12-23
289.1	Selma Building Lease Extension to September 30, 2023	Executed	\$138,043.00	06-06-23
380	Emergency Services Work – T&M	Executed	\$5,000,000.00	06-06-23
312.3	Interim Time Extension	Executed	\$16,020,251.00	06-04-23
349	Tied Arch Bridge Superstructure Construction	Executed	\$23,645,656.00	06-04-23
TOTAL			\$88,787,153.69	

CP 2-3 – Risk Contingency

CP 2-3 – Risk Contingency Status (\$ Millions)

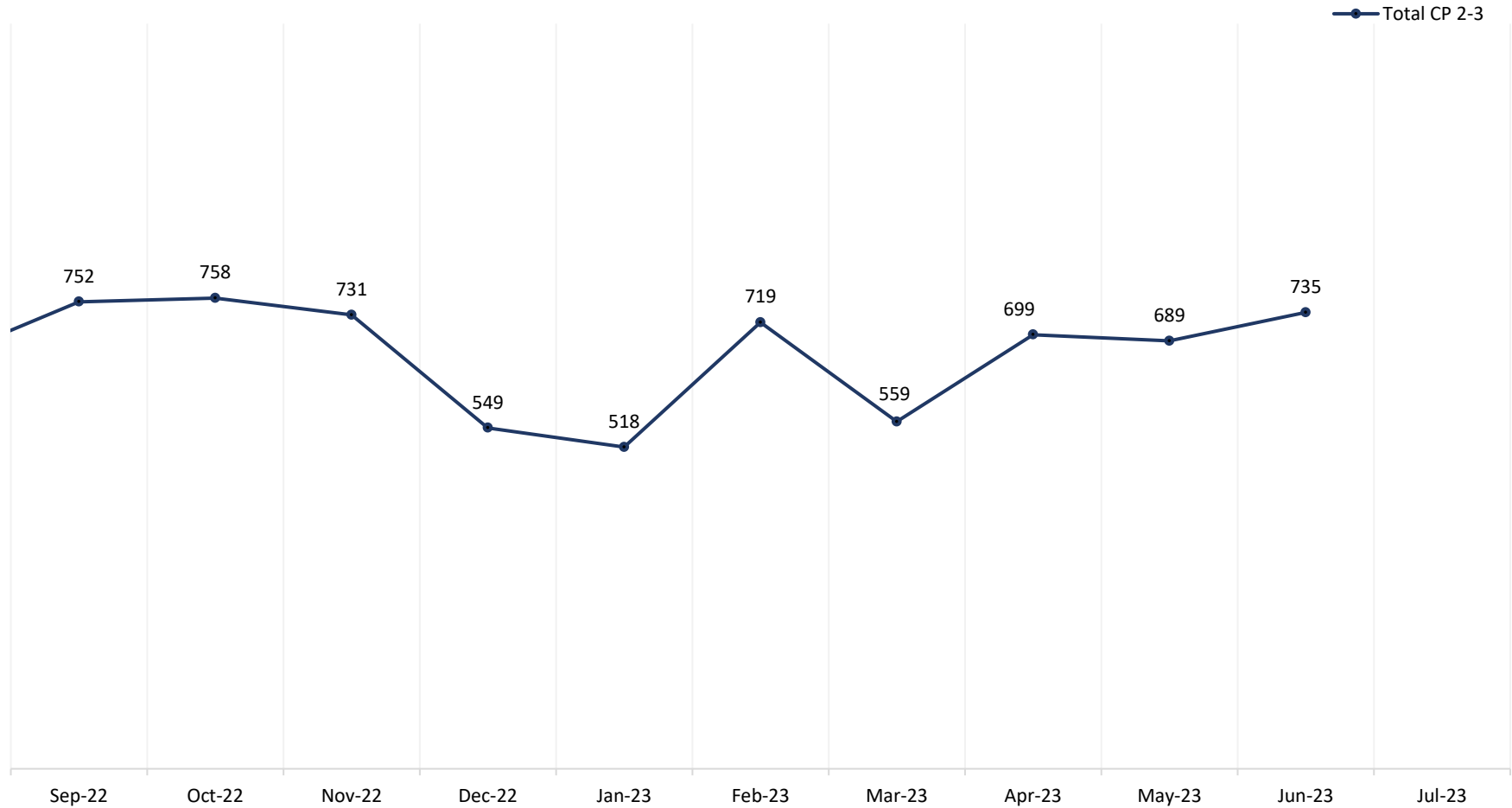


Notes:

1. March 2023 reflects the March 16, 2023 Board Expenditure Authorization which increased the total CP 2-3 Contingency to \$2,691.5M.
2. Contingency balance updated to reflect the Board’s adoption of Resolution #HSR23-01 (Expenditure Authorization Increase).
3. Contingency Amount Allocated reflects executed change orders and Business Oversight Committee (BOC) approved items.
4. The Forecasted Contingency Balance drawdown curve is based only on agreed change orders expected to be executed within the three-month window. Due to change order negotiations and dispute resolution, timing and value of Forecasted Contingency Balance is uncertain.

CP 2-3 – Monthly Construction Labor

CP 2-3 – Monthly Construction Workforce Total – Actual (FTE)

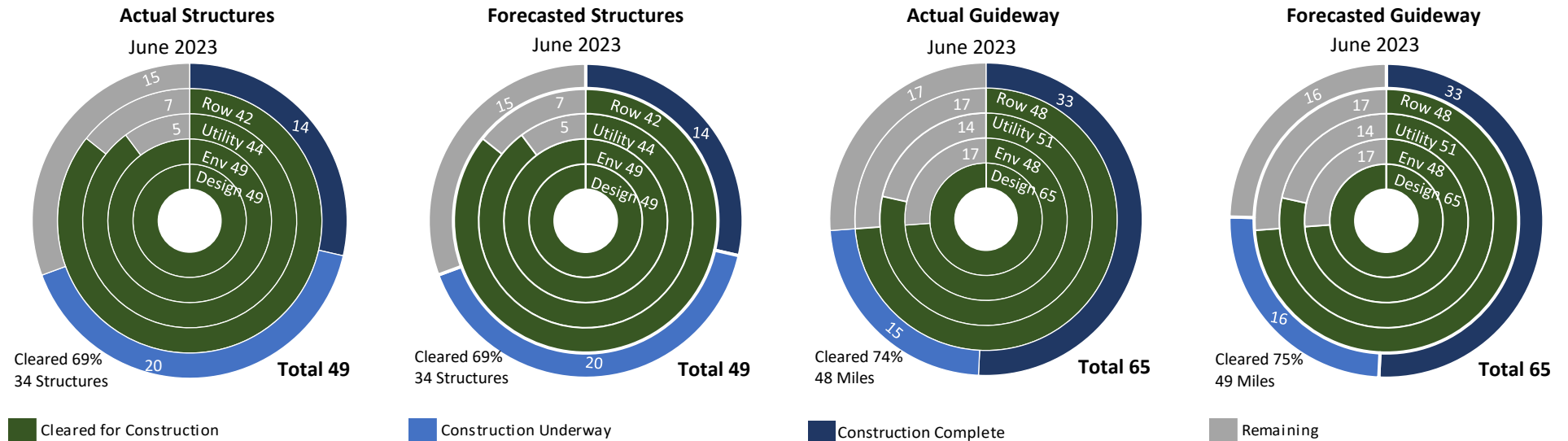


Notes:

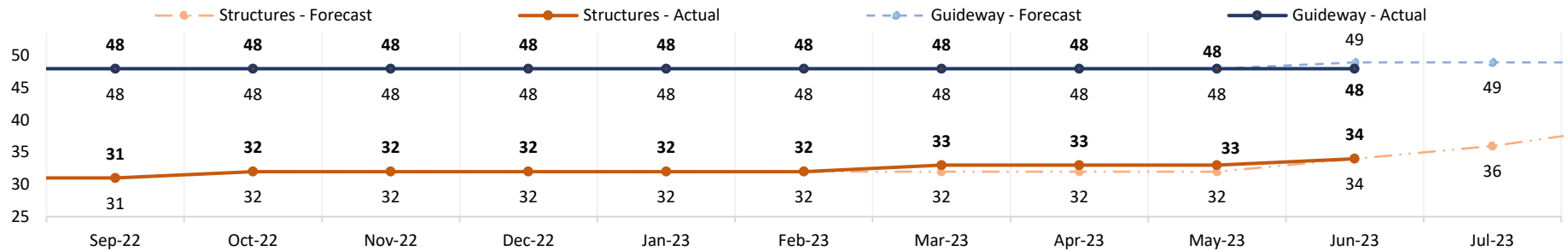
1. The construction labor numbers (full-time employees) are based on the weekly totals divided by the number of weeks within the working calendar month and represents the Average Daily Site Workers (by week).
2. An increase of 46 workers from the previous month (689).
3. Flood waters continue to impact labor numbers in Segment 3.

CP 2-3 – Construction Progress

CP 2-3 – Construction Progress



CP 2-3 – Structures and Guideway Progress – Forecast vs. Actual



Notes:

- The circle charts above incorporate Revised Baseline Schedules (RBS) Revision 4 data as of September 2022, pending final approval.
- The line chart above incorporates provisional forecast numbers as of September 2022, pending final approval of RBS Revision 4.
- Construction Complete definition:
 - Structure Completion – all concrete work is complete.
 - Guideway Completion – earthworks complete with rough grading.
- Total Structures: 49:
 - 34 structures underway/construction complete. An increase of one in June 2023: Alpaugh Atwell Allensworth Trail started 06/13/2023.
- Total Guideway: 65 miles:
 - 48 miles underway/construction complete.
- Late finish dates are being used to estimate forecast numbers.

CP 2-3 Utility Relocation Summary

CP 2-3 - High Level Summary

Status	Utility Relocations	Percentage
Total Utilities Not Started	173	25%
Total Utilities Approved to Start	0	0%
Total Utilities in Progress	59	8%
Total Utilities Relocated	469	67%
Total	701	100%

CP 2-3 – Summary by Utility Type

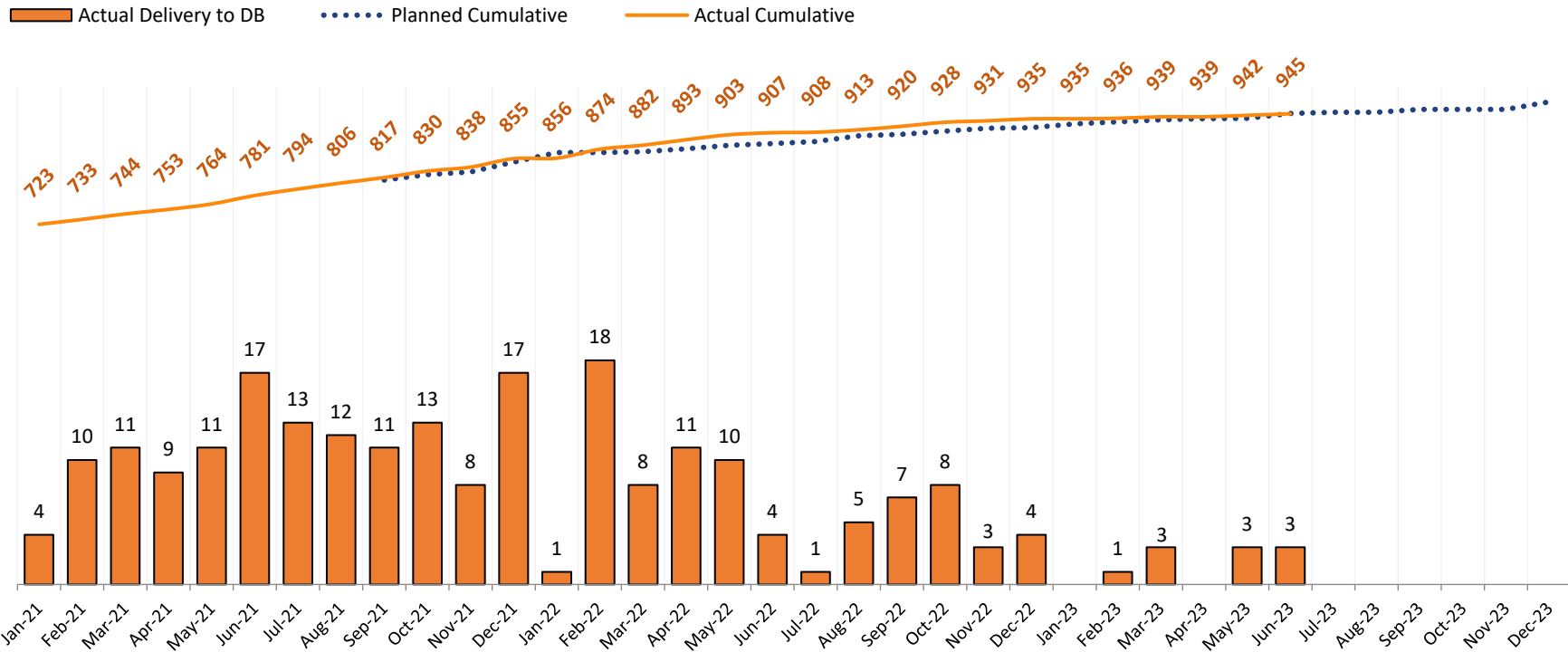
Utility	Status	Utility Relocations	Percentage
Electric	NOT STARTED	102	27%
	APPROVED TO START	0	0%
	IN PROGRESS	51	13%
	RELOCATED	231	60%
	TOTAL	384	100%
Gas	NOT STARTED	12	44%
	APPROVED TO START	0	0%
	IN PROGRESS	0	0%
	RELOCATED	15	56%
	TOTAL	27	100%
Telecom	NOT STARTED	28	12%
	APPROVED TO START	0	0%
	IN PROGRESS	3	1%
	RELOCATED	202	87%
	TOTAL	233	100%
Wet	NOT STARTED	31	54%
	APPROVED TO START	0	0%
	IN PROGRESS	5	9%
	RELOCATED	21	37%
	TOTAL	57	100%

CP 2-3 – Real Property/Right-of-Way (ROW)

CP 2-3 – Right-of-Way (ROW) Summary

Construction Package	Total Needed Parcels June 30, 2023	Total Parcels Delivered to Date June 30, 2023	Remaining Parcels to be Delivered June 30, 2023
CP 2-3	986	945	41

CP 2-3 – Parcel Delivery to Design-Builder (DB) Summary



Notes:

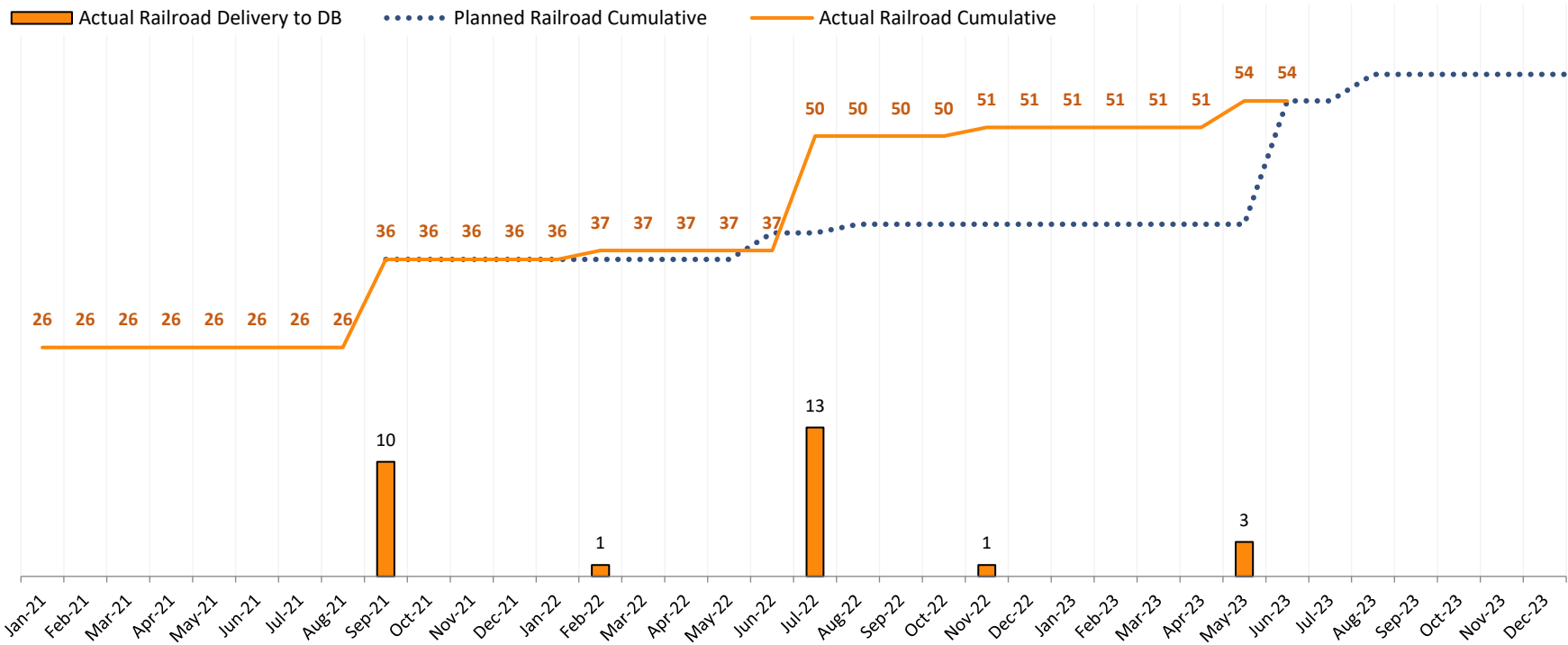
1. This reflects the actual parcels delivered to the Design-Builder by month and forecasts based on Revised Baseline Schedules (RBS) Revision 4.
2. Total Parcels Needed decreased by one parcel in June 2023.

CP 2-3 – Real Property/Right-of-Way (ROW) Railroad

CP 2-3 – Right-of-Way (ROW) Railroad Summary

Construction Package	Total Needed Railroad Parcels June 30, 2023	Total Railroad Parcels Delivered to Date June 30, 2023	Remaining Railroad Parcels to be Delivered June 30, 2023
CP 2-3	58	54	4

CP 2-3 – Railroad Parcel Delivery to Design-Builder (DB) Summary



Notes:

1. This reflects the actual Railroad parcels delivered to the Design-Builder by month and forecasts based on Revised Baseline Schedules (RBS) Revision 4.

CONSTRUCTION PACKAGE 4 (CP 4) OVERVIEW

CP 4 – Design-Build Contract Summary⁽¹⁾

Milestones

Milestone	Date
Request for Quote (RFQ) Date:	11/20/2014
Statement of Qualification (SOQ) Date:	01/30/2015
Request for Proposal (RFP) Date:	05/27/2015
Proposal:	11/25/2015
Bid Open Date:	01/05/2016
Award Date:	02/29/2016
Late Notice to Proceed (LNTP) Date:	03/01/2016
Notice to Proceed (NTP) Date:	04/15/2016
Original Completion Date:	06/03/2019
Current Forecast Contract Completion Date ⁽²⁾ :	Dec 2023
Current Forecast Construction Completion Date⁽²⁾:	Aug 2023

Contract Value

Description	Amount
Fixed Bid Price:	\$337,247,000.00
Provisional Sums:	\$107,000,000.00
Original Contract Price:	\$444,247,000.00
Executed Change Orders:	\$300,634,740.00
Current Contract Amount:	\$744,881,740.00
Approved Invoices to Date:	\$678,743,751.93
Remaining Contract Balance:	\$66,137,988.07

Current Time Status

Description	Duration
Original Contract Days:	1,144
Extension of Time Awarded ⁽³⁾ :	1,548
Current Forecast Contract Days ⁽³⁾ :	2,692
Calendar Days Worked (thru 06/30/2023):	2,632

Expended to Date

Description	Percentage
Time ⁽³⁾ :	97.8%
Dollars:	91.1%

Growth Percentage

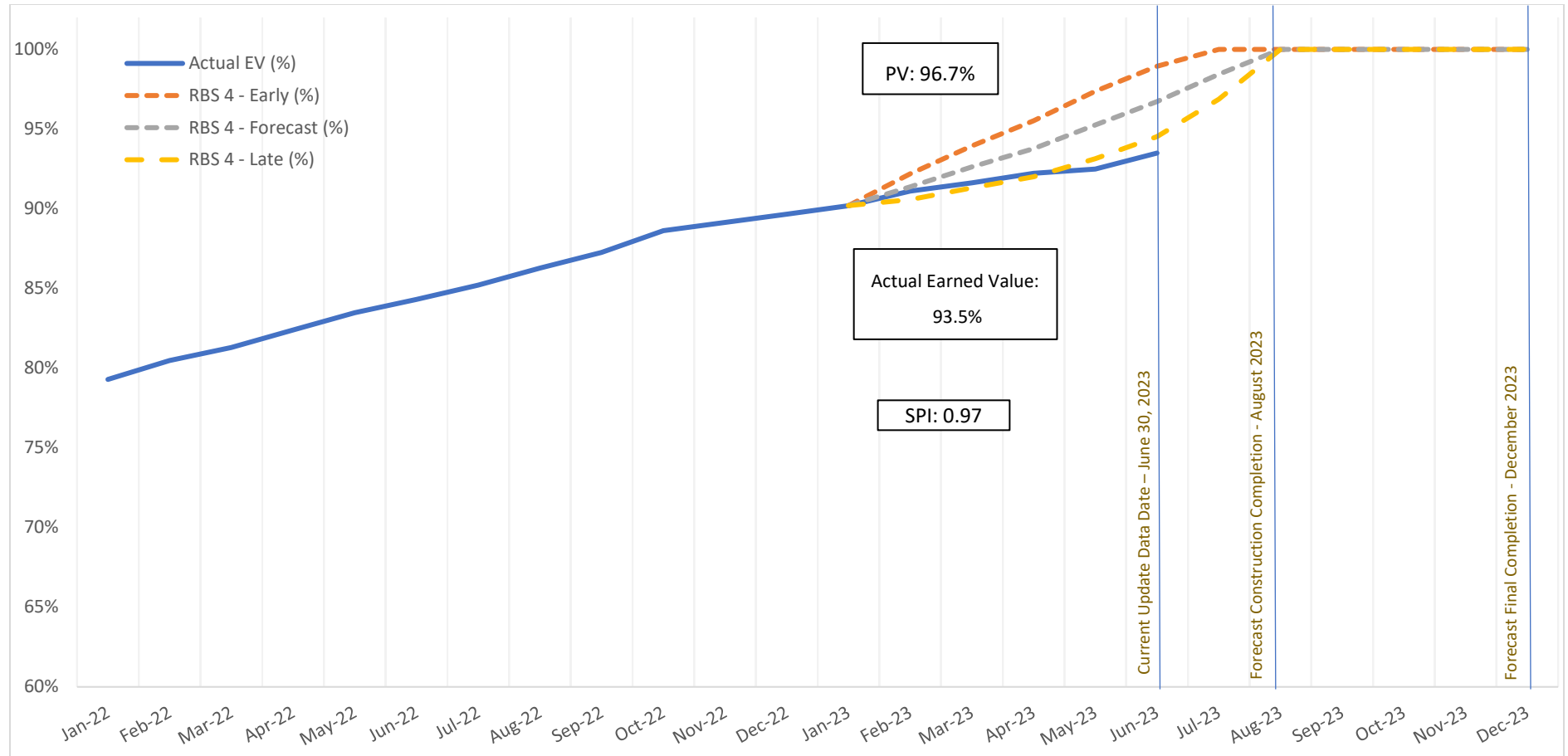
Description	Percentage
Time ⁽³⁾ :	135.3%
Dollars:	67.7%

Notes:

1. Data in this section is sourced from data provided by the PCM – Monthly Status Report.
2. Updated to align with Current Forecast Contract Completion Date based on Expenditure Authorization.
3. Contract Time Status (Extension of Time Awarded and Current Forecast Contract Days), Expended to Date (Time), and Growth Percentage (Time) calculation is based on the Current Construction Completion Date.

CP 4 – Earned Value

CP 4 – Earned Value Summary (%)

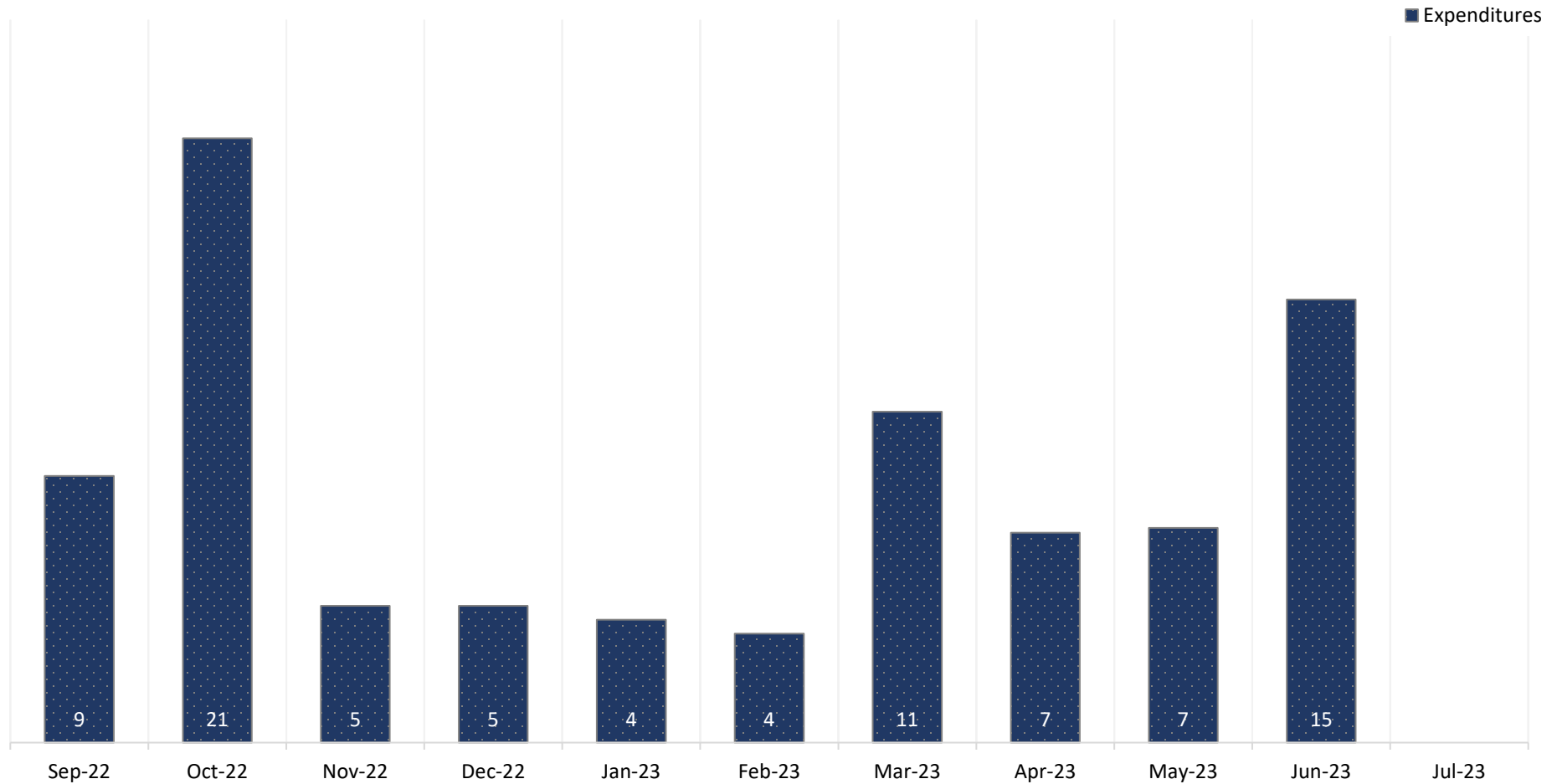


Notes:

1. Forecast periods are based on a revised forecast as of July 1, 2023. The baseline schedule finalization is under negotiation with the contractor.
2. Earned Value represents physical progress of site activities, which is based on project team verification of site progress measurements.
3. The early dates graph is optimistic and assumes activities will take place on the schedule early dates.
4. Average graph assumes non-critical path activities are taking place mid-way of early and late dates.
5. The late dates graph assumes activities will take place on the schedule late dates. If actuals fall below late graph, it indicates schedule slippage. To provide contingency, the Schedule Performance Index (SPI) is measured against the average graph.
6. Time contingency is not included in these forecasts. This is Authority owned contingency.

CP 4 – Design-Build Expenditures

CP 4 – Monthly Expenditures (\$ Millions)



Notes:

1. Expenditures in the chart above are specific to the Design-Builder production and based on the Capital Outlay and Expenditure Report.
2. Expenditures totaled \$15.3M.

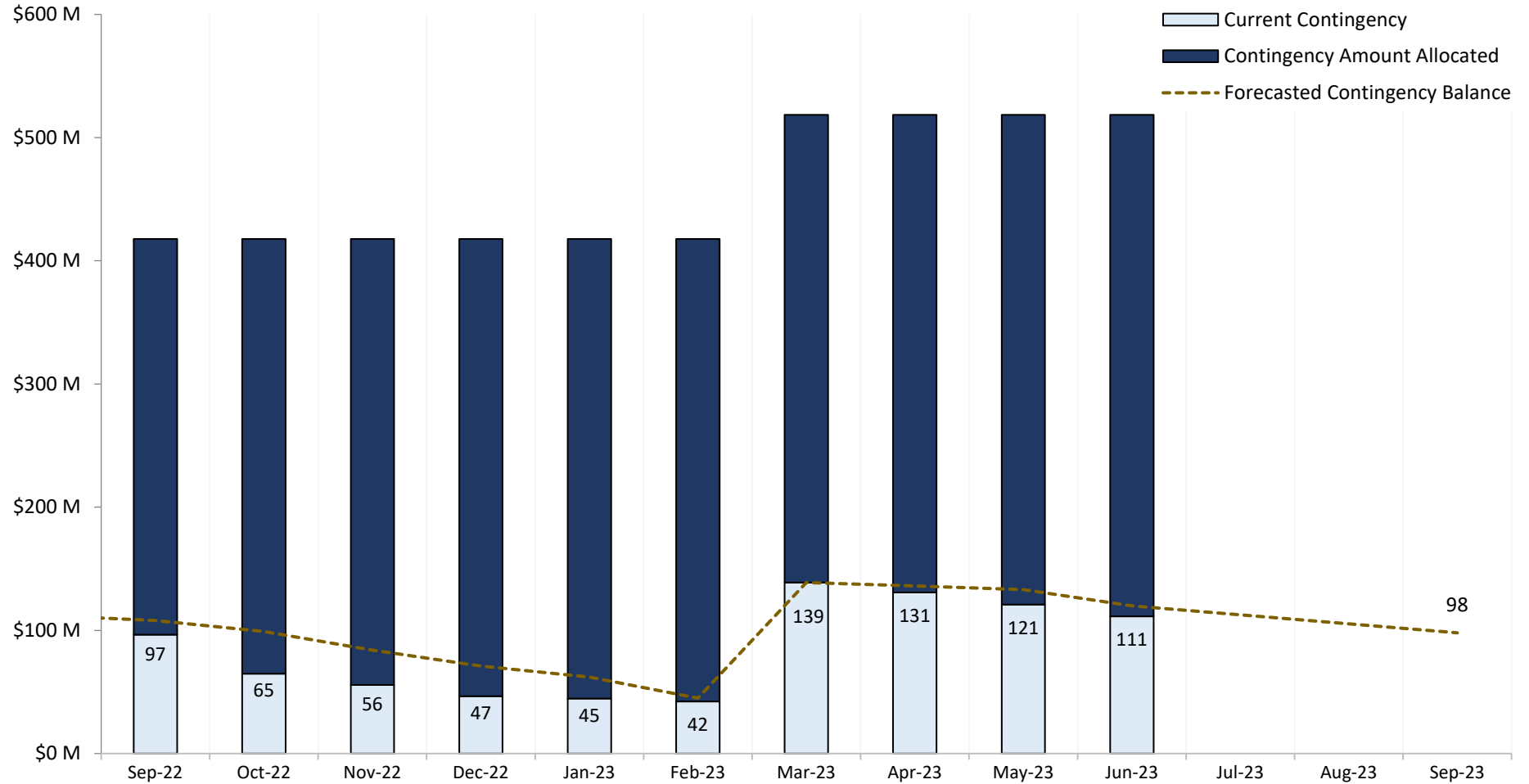
CP 4 – Change Orders (CO)

CP 4 – Change Order Status

CO Number	Title	Change Status	Amount	Executed Date
192	PG&E Conflict 12038 Out of Sequence Work	Executed	\$362,790.60	06-27-23
188	Kern County Roads Improvement	Executed	\$1,727,966.00	06-26-23
197	CRC Relocation Support	Executed	\$36,356.85	06-23-23
18.7	Additional Environmental Surveys & Investigations - R7	Executed	\$1,103,000.00	06-22-23
198	North Kern Water Storage District Additional Costs not Covered under the Contract	Executed	\$5,709.16	06-21-23
190	PG&E Conflicts 12039-12041 Out of Sequence Work	Executed	\$378,257.10	06-20-23
191	PG&E Conflict 12065 Out of Sequence Work	Executed	\$212,212.50	06-20-23
32.4	Interim Adjustment to Completion Deadlines and Contract Price	Executed	\$1,535,262.30	06-15-23
186	Environmental Monitoring Additional Costs from December 2022 through January 2023	Executed	\$394,304.36	06-15-23
141.2	Escalation Costs-TIA #13-December 1, 2022 thru March 1, 2023	Executed	\$767,291.00	06-14-23
193	Environmental Monitoring Additional Costs from January 2023 through February 2023	Executed	\$525,814.52	06-11-23
196	Additional Insurance Premium Costs-Workers' Compensation and Automobile Liability Insurance	Executed	\$223,100.33	06-09-23
11.2	Extension to Authority's Wasco Office Internet Upgrade to 20 Mbps	Executed	\$9,814.30	06-05-23
175	Additional Costs due to Delays on Vacations of Kern County Roads	Executed	\$1,875,000.00	06-05-23
195	North Kern Water Storage District Additional Costs not Covered under the Contract - 7th Submission	Executed	\$25,119.41	06-05-23
TOTAL			\$9,181,998.43	

CP 4 – Risk Contingency

CP 4 – Risk Contingency Status (\$ Millions)

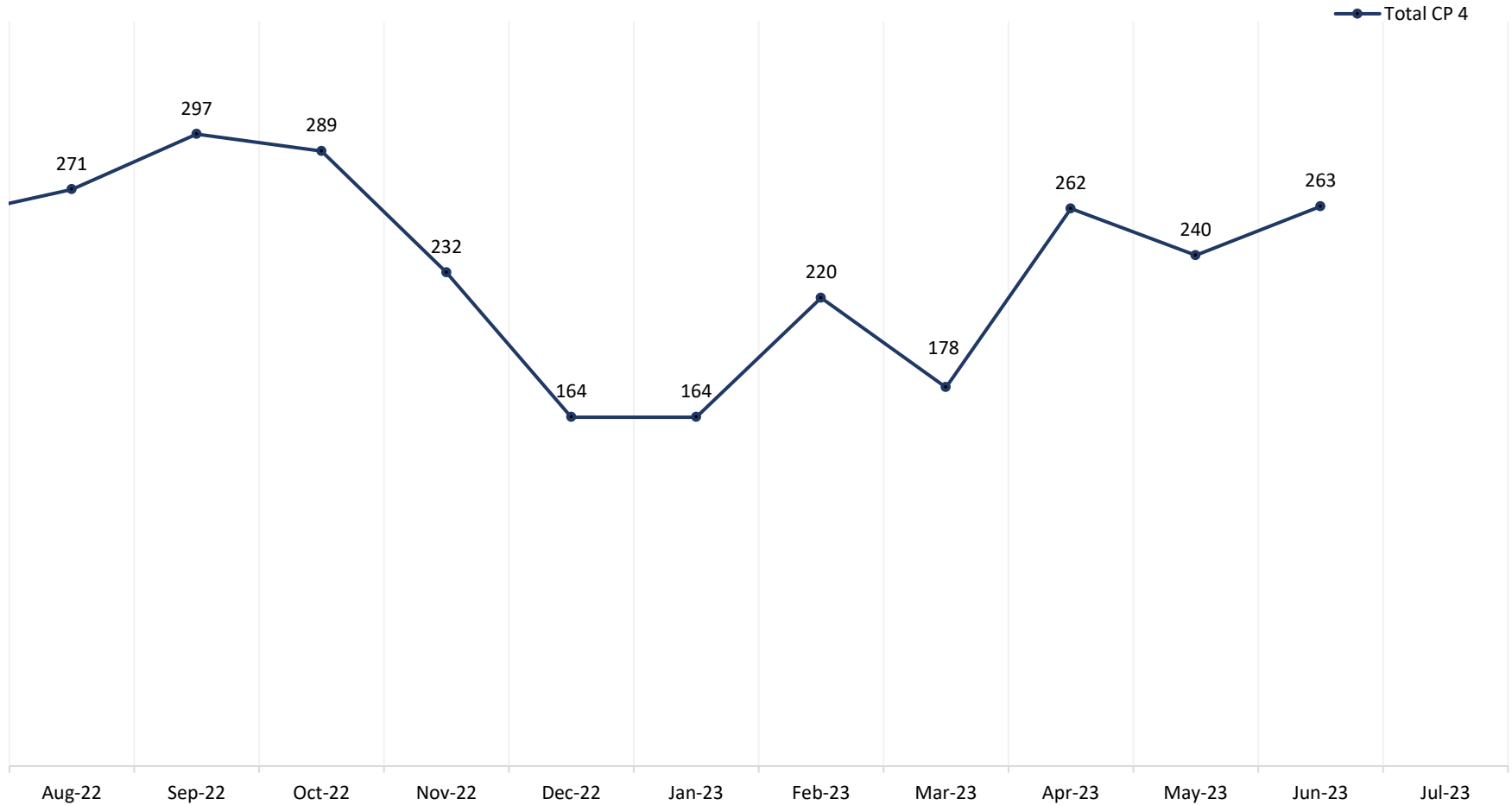


Notes:

1. March 2023 reflects the March 16, 2023 Board Expenditure Authorization which increased the total CP 4 Contingency to \$518.5M.
2. Contingency balance updated to reflect the Board's adoption of Resolution #HSR23-01 (Expenditure Authorization Increase).
3. Contingency Amount Allocated reflects executed change orders and Business Oversight Committee (BOC) approved items.
4. The Forecasted Contingency Balance drawdown curve is based only on agreed change orders expected to be executed within the three-month window. Due to change order negotiations and dispute resolution, timing and value of Forecasted Contingency Balance is uncertain.

CP 4 – Monthly Construction Labor

CP 4 – Monthly Construction Workforce Total – Actual (FTE)

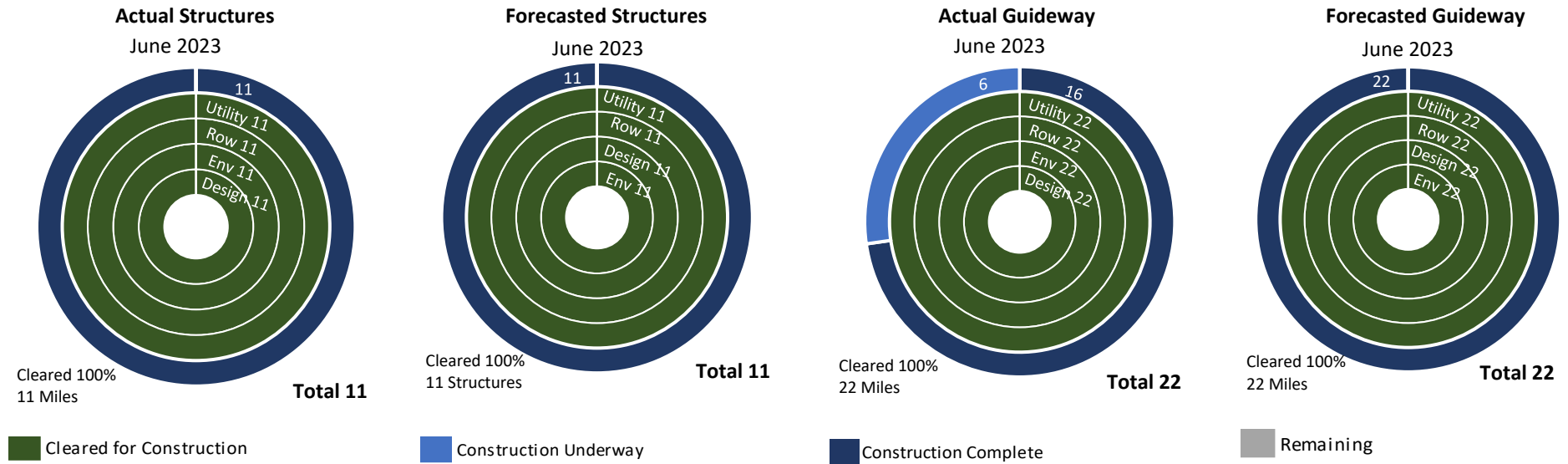


Notes:

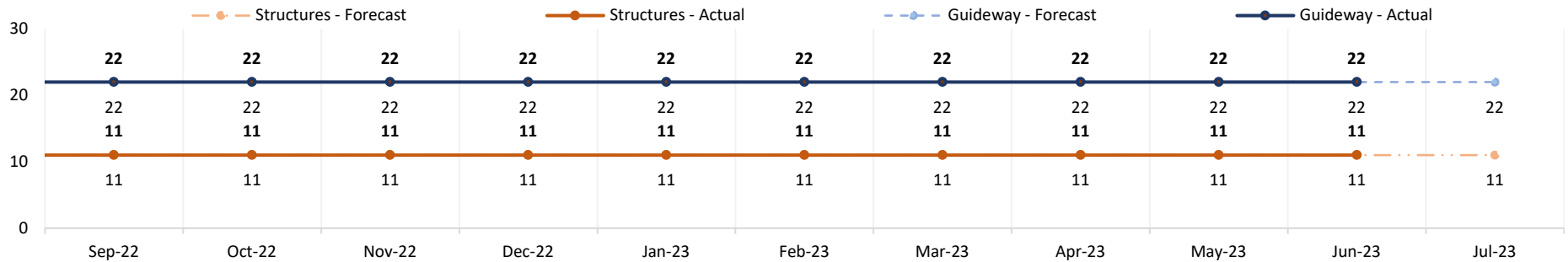
1. The construction labor numbers (full-time employees) are based on the weekly totals divided by the number of weeks within the working calendar month and represents the Average Daily Site Workers (by week).
2. An increase of 23 in the number of workers from the previous month (240).

CP 4 – Construction Progress

CP 4 – Construction Progress



CP 4 – Structures and Guideway Progress – Forecast vs. Actual



Notes:

1. The circle charts above incorporate Revised Baseline Schedules (RBS4) approved schedule.
2. Construction Complete definition:
 - a. Structure Completion – all concrete work is complete.
 - b. Guideway Completion – earthworks complete with rough grading.
3. Total Structures: 11:
 - a. 11 of 11 structures completed.
4. Total Guideway: 22 miles. The actual miles for CP 4 are 21.5 miles but rounded to 22 miles for consistency in reporting:
 - a. 22 miles underway/construction complete.

CP 4 – Utility Relocation Summary

CP 4 – High Level Summary

Status	Utility Relocations	Percentage
Total Utilities Not Started	0	0%
Total Utilities Approved to Start	12	8%
Total Utilities in Progress	14	10%
Total Utilities Relocated	117	82%
Total	143	100%

CP 4 – Summary by Utility Type

Utility	Status	Utility Relocations	Percentage
Electric	NOT STARTED	0	0%
	APPROVED TO START	1	2%
	IN PROGRESS	2	3%
	RELOCATED	59	95%
	TOTAL	62	100%
Gas	NOT STARTED	0	0%
	APPROVED TO START	0	0%
	IN PROGRESS	0	0%
	RELOCATED	7	100%
	TOTAL	7	100%
Telecom	NOT STARTED	0	0%
	APPROVED TO START	0	0%
	IN PROGRESS	2	6%
	RELOCATED	30	94%
	TOTAL	32	100%
Wet	NOT STARTED	0	0%
	APPROVED TO START	11	26%
	IN PROGRESS	10	24%
	RELOCATED	21	50%
	TOTAL	42	100%

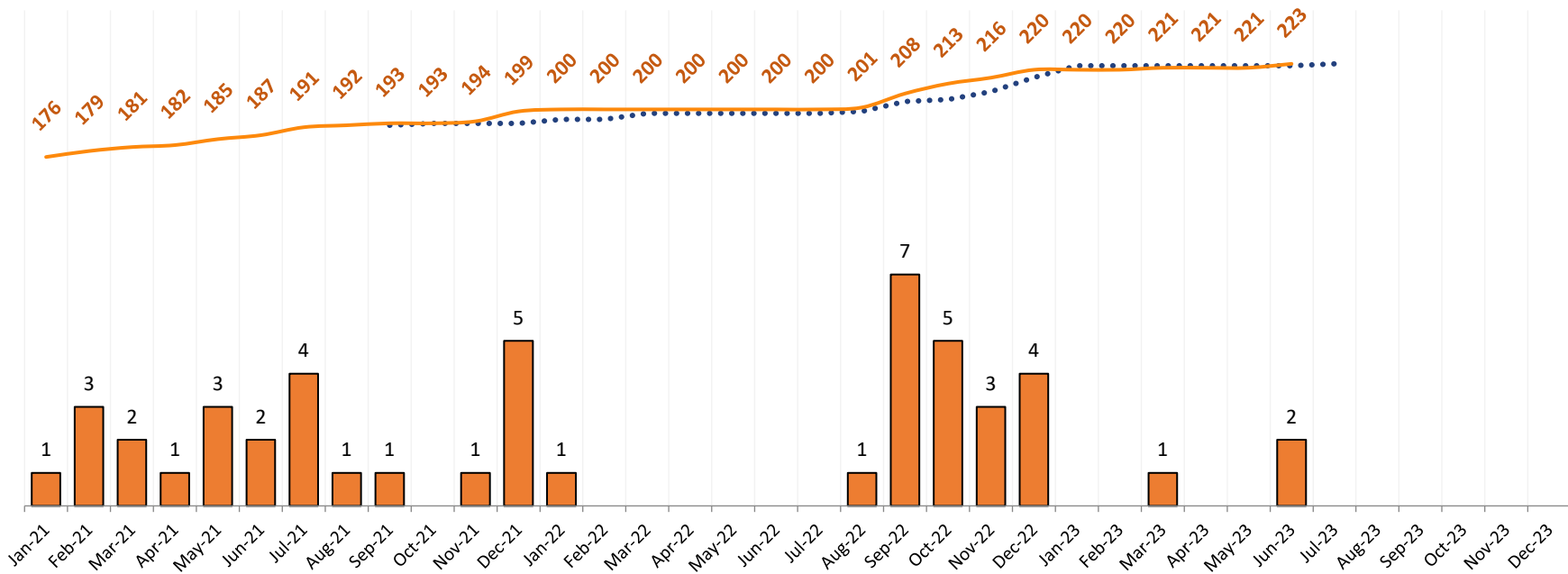
CP 4 – Real Property/Right-of-Way (ROW)

CP 4 – Right-of-Way (ROW) Summary

Construction Package	Total Needed Parcels June 30, 2023	Total Parcels Delivered to Date June 30, 2023	Remaining Parcels to be Delivered June 30, 2023
CP 4	223	223	0

CP 4 – Parcel Delivery to Design-Builder (DB) Summary

■ Actual Delivery to DB
 ●●●●● Planned Cumulative
 — Actual Cumulative



Notes:

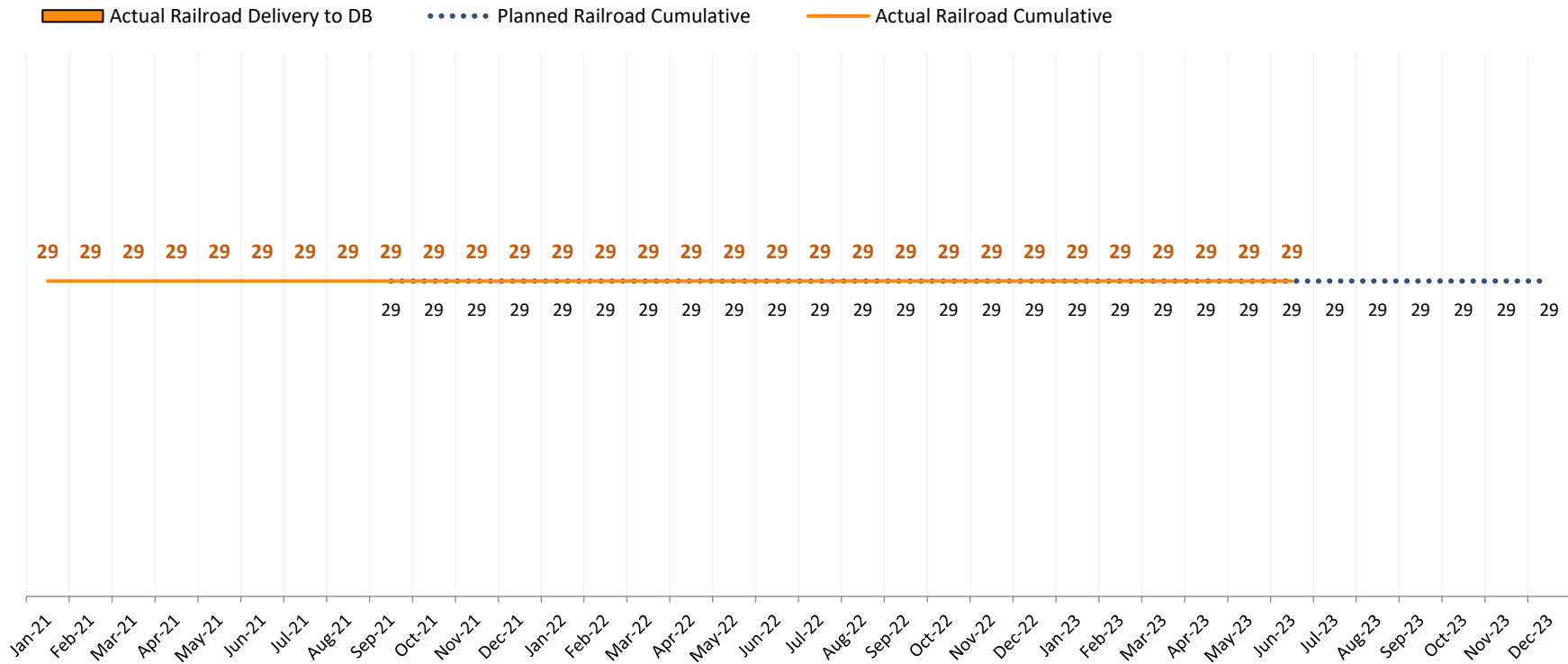
1. This reflects the actual parcels delivered to the Design-Builder by month compared to the Revised Baseline Schedule (RBS) Revision 3.

CP 4 – Real Property/Right-of-Way (ROW) Railroad

CP 4 – Right-of-Way (ROW) Railroad Summary

Construction Package	Total Needed Railroad Parcels June 30, 2023	Total Railroad Parcels Delivered to Date June 30, 2023	Remaining Railroad Parcels to be Delivered June 30, 2023
CP 4	29	29	0

CP 4 – Railroad Parcel Delivery to Design-Builder (DB) Summary



Project Development Schedule (Environmental Clearance) – Record of Decision (ROD)

Project Development Schedule (to ROD)

Program Priority	Segment	Progress	Complete Purpose and Need Statement		Complete Alternatives Analysis		Board Concurrence of Preliminary Preferred Alt. Draft EIR/EIS		Publish Draft EIR/EIS		Publish Final EIS and Obtain ROD		Date EIR/EIS To Be Completed	
			Last Month	Current	Last Month	Current	Last Month	Current	Last Month	Current	Last Month	Current	Last Month	Current
Document Complete	Merced to Fresno	Plan Forecast % Complete	Complete 100%	Complete 100%	Complete 100%	Complete 100%	Complete 100%	Complete 100%	Complete 100%	Complete 100%	Complete 100%	Complete 100%	Complete 100%	Complete 100%
Document Complete	Fresno to Bakersfield	Plan Forecast % Complete	Complete 100%	Complete 100%	Complete 100%	Complete 100%	Complete 100%	Complete 100%	Complete 100%	Complete 100%	Complete 100%	Complete 100%	Complete 100%	Complete 100%
Document Complete	CV Electrical Interconnections	Plan Forecast % Complete	Complete 100%	Complete 100%	Complete 100%	Complete 100%	Complete 100%	Complete 100%	Complete 100%	Complete 100%	Complete 100%	Complete 100%	Complete 100%	Complete 100%
Document Complete	Locally Generated Alternative (F-B)	Plan Forecast % Complete	Complete 100%	Complete 100%	Complete 100%	Complete 100%	Complete 100%	Complete 100%	Complete 100%	Complete 100%	Complete 100%	Complete 100%	Complete 100%	Complete 100%
Document Complete	Central Valley Wye (M-F)	Plan Forecast % Complete	Complete 100%	Complete 100%	Complete 100%	Complete 100%	Complete 100%	Complete 100%	Complete 100%	Complete 100%	Complete 100%	Complete 100%	Complete 100%	Complete 100%
Document Complete	Bakersfield to Palmdale	Plan Forecast % Complete	Complete 100%	Complete 100%	Complete 100%	Complete 100%	Complete 100%	Complete 100%	Complete 100%	Complete 100%	Complete 100%	Complete 100%	Complete 100%	Complete 100%
Document Complete	Burbank to Los Angeles	Plan Forecast % Complete	Complete 100%	Complete 100%	Complete 100%	Complete 100%	Complete 100%	Complete 100%	Complete 100%	Complete 100%	Complete 100%	Complete 100%	Complete 100%	Complete 100%
Document Complete	San Jose to Merced	Plan Forecast % Complete	Complete 100%	Complete 100%	Complete 100%	Complete 100%	Complete 100%	Complete 100%	Complete 100%	Complete 100%	Complete 100%	Complete 100%	Complete 100%	Complete 100%
Document Complete	San Francisco to San Jose	Plan Forecast % Complete	Complete 100%	Complete 100%	Complete 100%	Complete 100%	Complete 100%	Complete 100%	Complete 100%	Complete 100%	Complete 100%	Complete 100%	Complete 100%	Complete 100%
1	Los Angeles to Anaheim	Plan Forecast % Complete	Complete 100%	Complete 100%	Complete 100%	Complete 100%	Complete 100%	Complete 100%	Oct-24 Oct-24 ¹	Oct-24 Oct-24 ¹	Nov-25 Nov-25 ¹	Nov-25 Nov-25 ¹	Dec-25 ¹	Dec-25 ¹
2	Palmdale to Burbank	Plan Forecast % Complete	Complete 100%	Complete 100%	Complete 100%	Complete 100%	Complete 100%	Complete 100%	Complete 100%	Complete 100%	Sep-23 Nov-23	Sep-23 Nov-23	Dec-23	Dec-23
3	Heavy Maintenance Facility (HMF)	Plan Forecast % Complete	Complete 100%	Complete 100%	Complete 100%	Complete 100%	TBD	TBD	TBD	TBD	TBD	TBD	TBD	TBD

Note:

- For the Los Angeles to Anaheim project section, the schedule has been revised and the baseline re-established to account for supplemental alternative analysis.

Project Development – Key Actions

Project Development (Environmental Clearance) – Key Actions Summary

Project Section	Key Actions
San Francisco To San Jose	Environmental Clearance activities complete. Authority is currently in settlement discussions for ongoing litigation activities.
San Jose To Merced	Environmental Clearance activities complete. The Authority is participating in post-Record of Decision (ROD) coordination with external stakeholders such as the Transportation Authority of Monterey County, Grasslands Water District, City of San Jose, and others.
Central Valley Wye	Conducted monthly progress meeting with County of Madera on Fairmead mitigation projects. Environmental Clearance activities complete. Transition to Merced Extension (Merced to Madera).
Locally Generated Alternative	Environmental Clearance activities complete. Transition to Bakersfield Extension (LGA).
Bakersfield To Palmdale	Work through Notice of Determination/Record of Decision (NOD/ROD) has been completed. The Authority has continued to meet with key stakeholders (e.g., Center for Biological Diversity, City of Palmdale) as necessary.
Palmdale To Burbank	Regional Consultant is preparing the Administrative Final EIR/EIS for review and approval by the Authority prior to being submitted to the Cooperating Agencies. Major activities on this project section included preparing response to comments received on the Draft EIR/EIS and preparing permitting documents.
Burbank To Los Angeles	Work through NOD/ROD has been completed. Project closeout activities are ongoing. Authority is currently in settlement discussions for ongoing litigation activities.
Los Angeles To Anaheim	The LA-A team is finalizing a Supplemental Alternative Analysis which evaluates potential project alternatives and recommends alternatives or options to advance for further study in the Draft EIR/EIS.

Project Development (Post-ROD) – Key Actions Summary

Project Section	Key Actions
Merced Extension (Merced to Madera)	Stantec Inc. under agreement HSR 22-02, continues to make progress on the early actions of this Project. On June 30 th , 2023, the Task Order #3 was issued to Stantec which is the roadmap for all deliverables in FY23-24. The Program Management Plan and the Annual Work Plan for FY23-24 was also approved on June 30 th , 2023.
Fresno to Bakersfield Locally Generated Alternative (LGA)	The HNTB Corporation (HNTB), under agreement HSR 22-01, continues to make progress on the 30% design goals for this Project. Task Order #2 was completed on June 30 th , 2023, and Task Order #3 was executed on July 5 th , 2023. HNTB will have the Draft Configuration Footprint completed by December of 2023. A deliverable schedule for Task Order #3 has been memorialized, and all Milestones will be reflected in the updated Schedule.