



Finance & Audit Committee

# **CENTRAL VALLEY STATUS REPORT**

September 26, 2024 Report (Data Through July 31, 2024)

## Executive Summary

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

- July 2024 Expenditures totaled \$77.7M.
  - Construction Package 1 – Expenditures totaled \$34.3M. (Page 14)
  - Construction Package 2-3 – Expenditures totaled \$36.0M. (Page 23)
  - Construction Package 4 – Expenditures totaled \$7.5M. (Page 32)
- Total CP Cumulative Actual Expenditures – \$6,176.2M. (Pages 12, 22, 31)
- Total Cumulative Current Contract Amount – \$8,153.0M. (Pages 12, 22, 31)

### Change Orders

- Executed Change Orders this period – 18 for a total of \$51.7M:
  - Construction Package 1 – 10 for a total of \$37.3M. (Page 15)
  - Construction Package 2-3 – 5 for a total of \$5.0M. (Page 24)
  - Construction Package 4 – 3 for a total of \$9.4M. (Page 33)

### Risk Contingency (Page 5)

- Approved Contingency – \$6,103.9M budgeted contract contingency. Contingency balance is \$659.9M as of data date.
  - Construction Package 1 – \$2,853.4M budgeted contract contingency. Contingency balance is \$324.3M as of data date. (Page 16)
  - Construction Package 2-3 – \$2,712.5M budgeted contract contingency. Contingency balance is \$313.5M as of data date. (Page 25)
  - Construction Package 4 – \$538.0M budgeted contract contingency. Contingency balance is \$22.2M as of data date. (Page 34)

### CP Construction Labor (Page 6)

- July 2024, Average Daily Site Workers (by Week) – 1,547 workers. An increase of 18 workers from the previous period (1,529):
  - Construction Package 1 – 376 workers. An increase of 11 workers from the previous month (365). (Page 17)
  - Construction Package 2-3 – 1,113 workers. An increase of 22 workers from the previous month (1,091). (Page 26)
  - Construction Package 4 – 58 workers. A decrease of 15 workers from the previous month (73). (Page 35)
- 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 – 82 underway/construction complete compared to 93 structures total (88%). No change from the previous period.
  - Construction Package 1 – 29 structures underway/construction complete (11 underway, 18 completed).
  - Construction Package 2-3 – 42 structures underway/construction complete (23 underway, 19 completed).
  - Construction Package 4 – 11 of 11 structures completed.
- Guideway – 92 miles underway/construction complete compared to 119 miles total (77%). No change from the previous period.
  - Construction Package 1 – 20 miles underway/construction complete (18 underway, 2 completed).
  - Construction Package 2-3 – 50 miles underway/construction complete (15 underway, 35 completed).
  - Construction Package 4 – 22 miles underway/construction complete (1 underway, 21 completed).

**Utility Relocations Status (Page 8)**

- Relocated: 1,395 (76%); In Progress: 214 (12%); Approved to Start: 0 (0%); Not Started: 227 (12%); Total: 1,836. A total of 9 relocated in July 2024. 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: 704 (71%); In Progress: 155 (16%); Approved to Start: 0 (0%); Not Started: 133 (13%); Total: 992.
  - Construction Package 2-3 – Relocated: 558 (80%); In Progress: 49 (7%); Approved to Start: 0 (0%); Not Started: 94 (13%); Total: 701.
  - Construction Package 4 – Relocated: 133 (93%); In Progress: 10 (7%); Approved to Start: 0 (0%); Not Started: 0 (0%); Total: 143.

**CP Real Property/Right-of-Way (ROW) (Pages 10 - 11)**

- Total Parcels Delivered to Date – 2,265 parcels compared to an estimated 2,290 parcels needed.
- Parcels Delivered to Design-Builder (DB) – One parcel from CP 2-3 in July 2024.
- Construction Packages 1-4 – One parcel added for CP 2-3 and zero parcels removed. 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 – 153 parcels delivered compared to an estimated 176 total railroad parcels needed.
- Railroad Parcels Delivered to Design-Builder – Zero parcels in July 2024.
- The Authority is tracking acquisition of eighteen parcels not needed for substantial completion of CP 4.

**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 – Work through NOD/ROD has been completed. Staff finalizing the Administrative Record.
- Burbank to Los Angeles – Work through NOD/ROD has been completed. Project closeout activities are ongoing.
- Los Angeles to Anaheim – Admin Draft Environmental Impact Report/Environmental Impact Statement (EIR/EIS) anticipated to be released by the end of Q3 2024. NOD/ROD anticipated in late 2025.

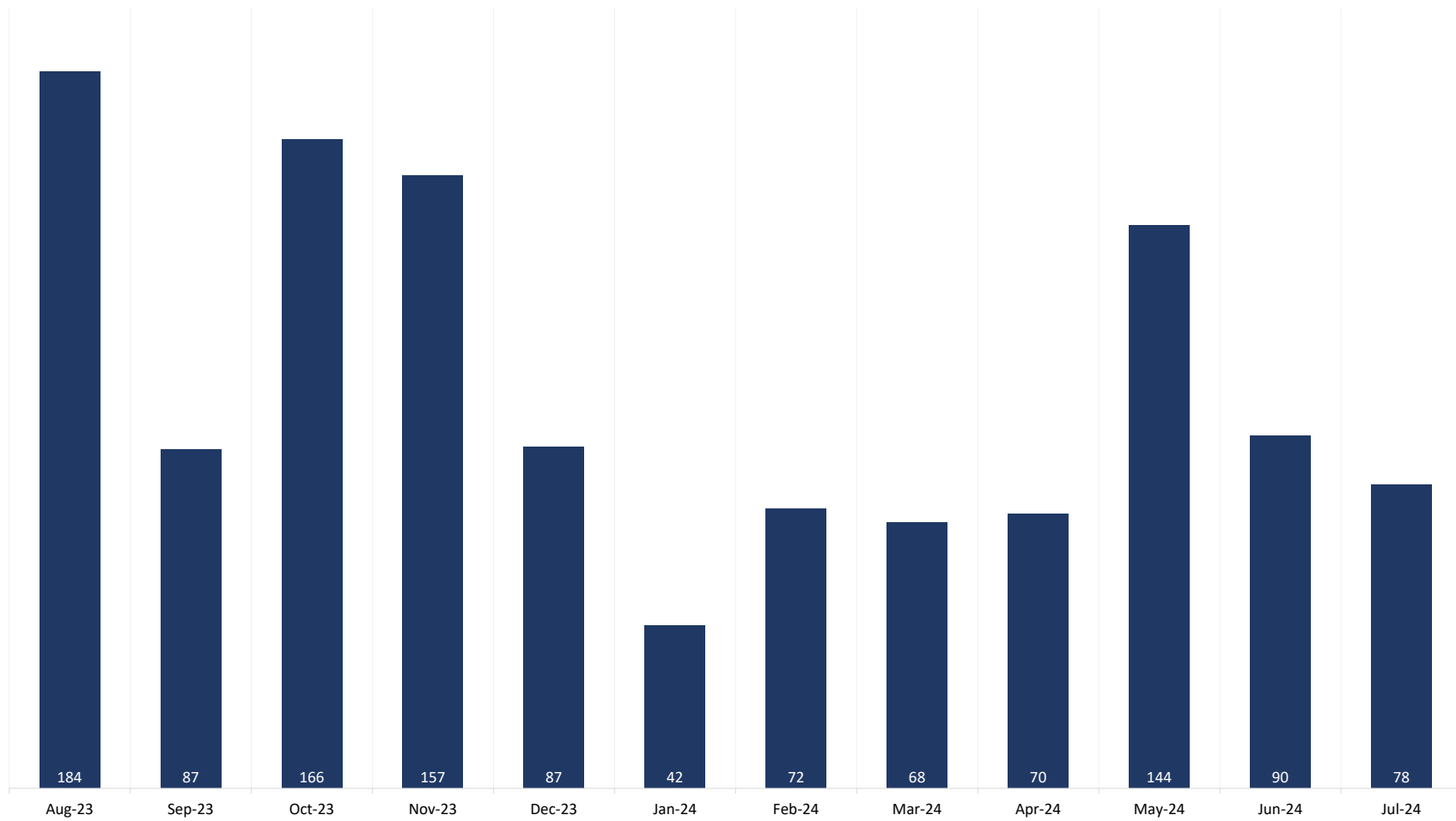
**Project Development (Post-Record of Decision) Schedule (Page 41)**

- Merced Extension (Merced to Madera) – Stantec Inc., under Agreement HSR22-02, continues to make progress. For the design purpose, this project is split into four segments. The 30% design for the North Segment was approved on June 28, 2024. The 30% design for the South segment is expected to be approved in September 2024.
- Fresno to Bakersfield Locally Generated Alternative (LGA) – The Authority and HNTB Corporation (HNTB) continue to make progress, with configuration footprint expected to be delivered by 11/30/24. The Authority has issued a task order to HNTB for a limited notice to proceed with design advancement to 60% in Segment 1 through Shafter in the section associated with the CRISI Grant.

**CP 1-4 – Design-Build Expenditures**

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

■ Expenditures

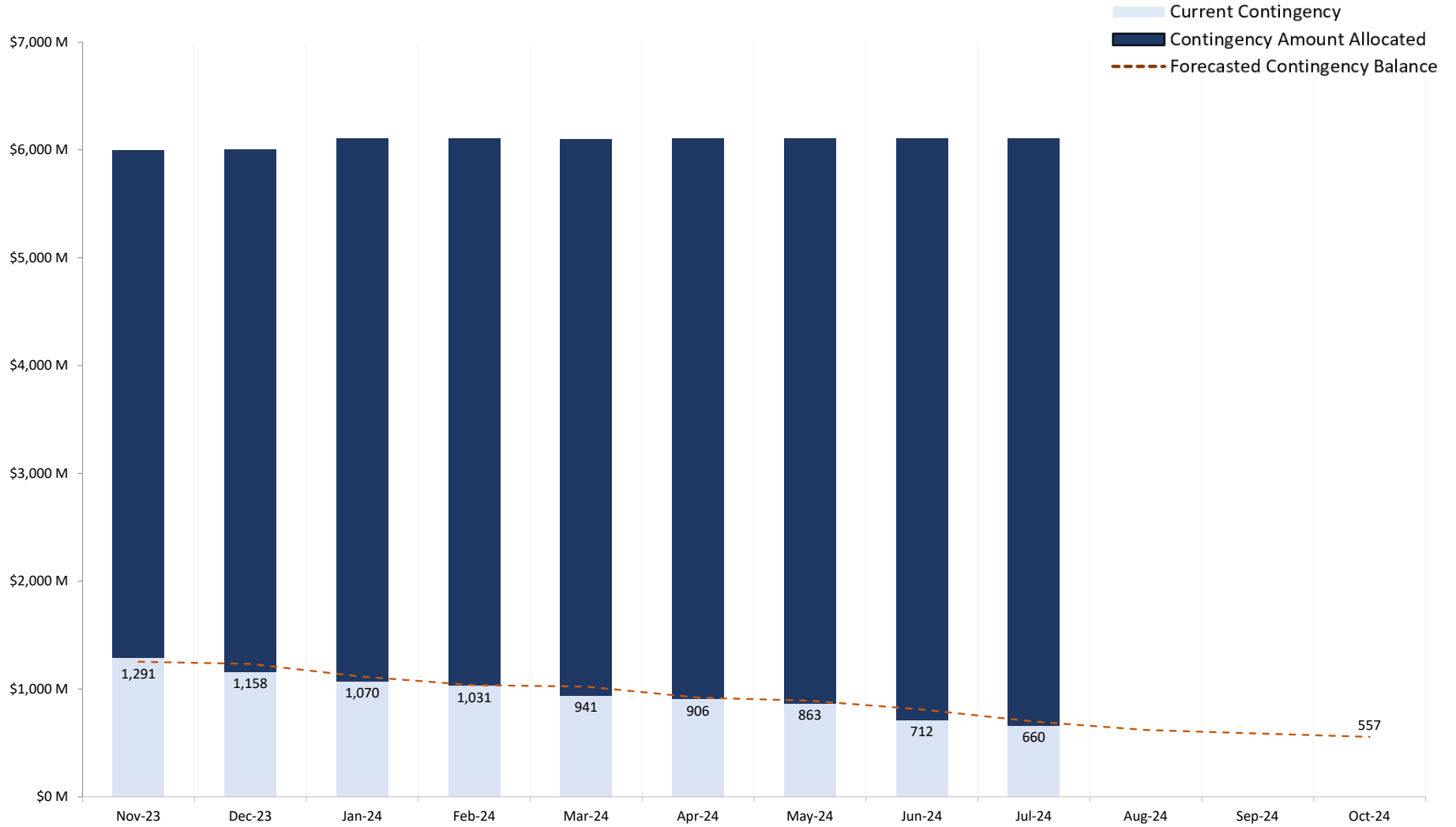


**Notes:**

1. July 2024 Expenditures totaled \$77.7M.
  - a. Construction Package 1 – Expenditures totaled \$34.3M.
  - a. Construction Package 2-3 – Expenditures totaled \$36.0M.
  - c. Construction Package 4 – Expenditures totaled \$7.5M.

### CP 1-4 – Risk Contingency

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

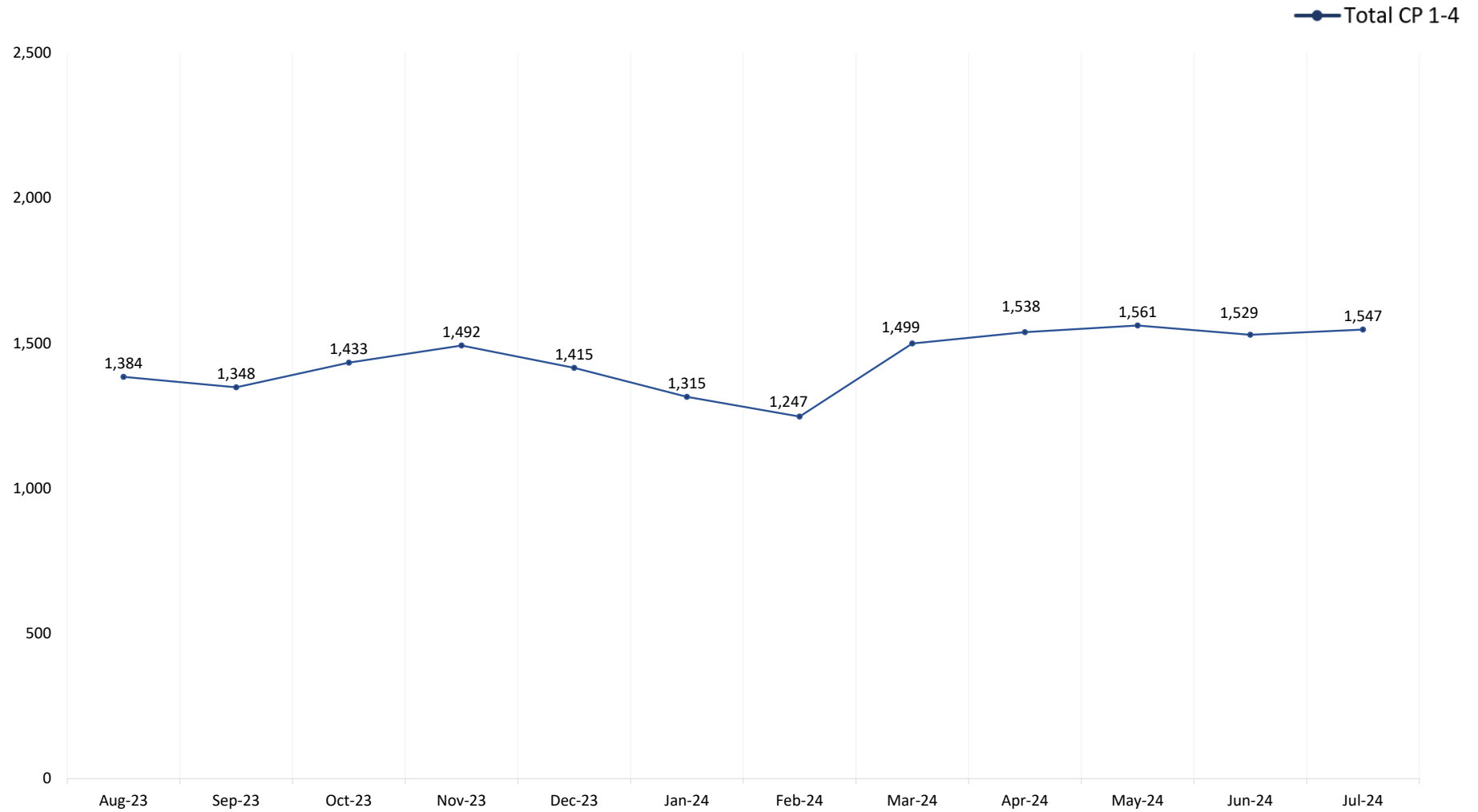


**Notes:**

1. January 2024 contingency data reflects the January 18, 2024 Board Total Expenditure Authorization which increased the total CP 1, CP 2-3, and CP 4 budgeted contract contingency to \$6,103.9M.
2. Contingency Amount Allocated reflects all executed change orders and Business Oversight Committee (BOC) approved items for all CPs.
3. 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 – Monthly Construction Labor

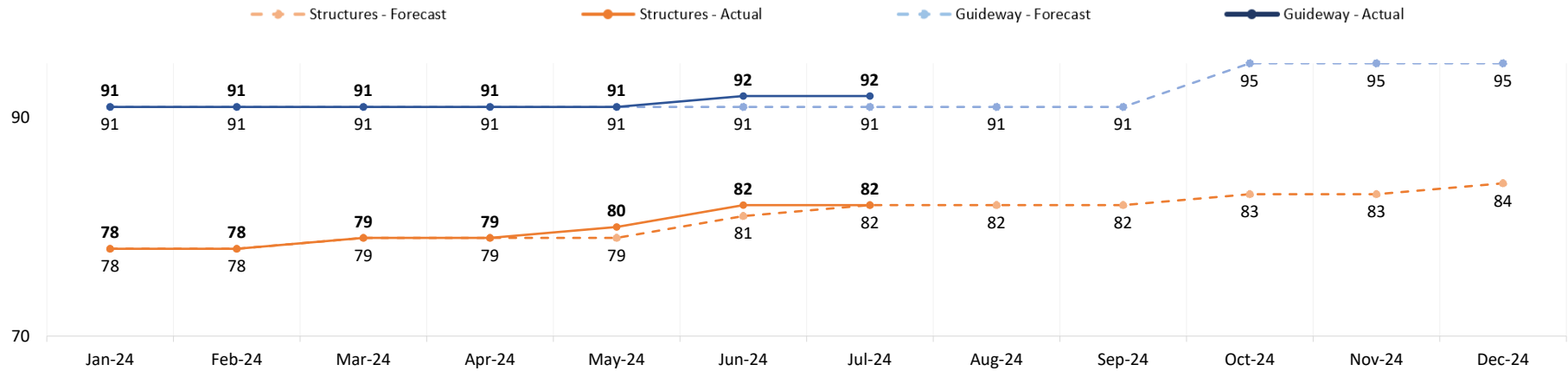
CP 1-4 – Monthly Construction Workforce Total – Actual (FTE)



- 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. July 2024, Average Daily Site Workers (by week) – 1,547 workers. An increase of 18 workers from the previous period (1,529).
    - a. Construction Package 1 (Page 17) – 376 workers. An increase of 11 workers from the previous month (365).
    - b. Construction Package 2-3 (Page 26) – 1,113 workers. An increase of 22 workers from the previous month (1,091).
    - c. Construction Package 4 (Page 36) – 58 workers. A decrease of 15 workers from the previous month (73).

## 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	35	1	21	34	58	92
Structures	11	18	23	19	0	11	34	48	82

**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 – 82 underway/construction complete compared to 93 structures total (88%).
  - a. CP 1 – 29 structures underway/construction complete.
  - b. CP 2-3 – 42 structures underway/construction complete.
  - c. CP 4 – 11 of 11 structures completed.
4. Total Guideway: approximately 119 miles.
5. Guideway – 92 miles underway/construction complete compared to 119 miles total (77%).
  - a. CP 1 – 20 miles underway/construction complete.
  - b. CP 2-3 – 50 miles underway/construction complete.
  - c. CP 4 – 22 miles underway/construction complete. The total miles for CP 4 are 21.5 miles but rounded to 22 miles for consistency in reporting.

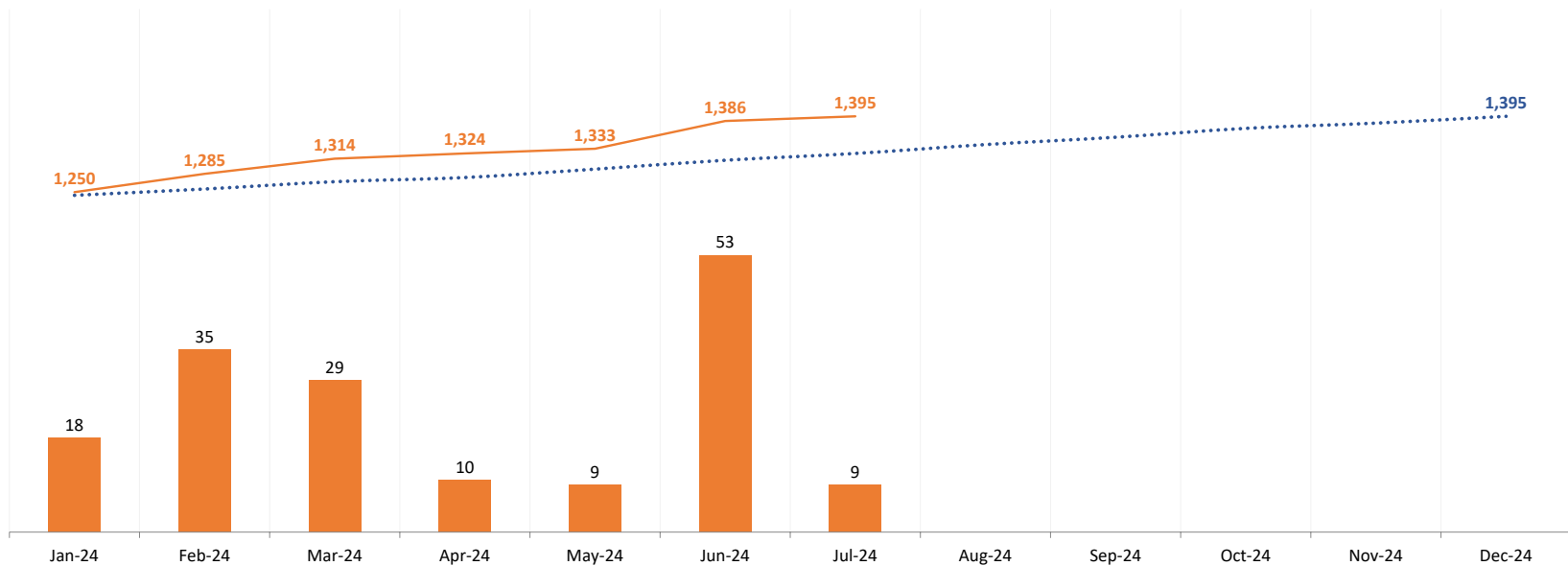
## CP 1-4 – Utility Relocations

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

Construction Package	Total Relocations Jul 31, 2024	Total Utilities Relocated to Date Jul 31, 2024	Remaining Utility Relocations Jul 31, 2024
CP 1	992	704	288
CP 2-3	701	558	143
CP 4	143	133	10
<b>Total</b>	<b>1,836</b>	<b>1,395</b>	<b>441</b>

### CP 1-4 – Utility Relocation Status Summary-Monthly

■ Monthly Relocations    
 ⋯ Planned Cumulative    
 — Actual Cumulative





## 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	62	70	0	132	20%
	APPROVED TO START	0	0	0	0	0%
	IN PROGRESS	17	25	0	42	6%
	RELOCATED	136	289	62	487	74%
	<b>TOTAL</b>	<b>215</b>	<b>384</b>	<b>62</b>	<b>661</b>	<b>100%</b>
Gas	NOT STARTED	15	9	0	24	19%
	APPROVED TO START	0	0	0	0	0%
	IN PROGRESS	11	0	0	11	9%
	RELOCATED	64	18	7	89	72%
	<b>TOTAL</b>	<b>90</b>	<b>27</b>	<b>7</b>	<b>124</b>	<b>100%</b>
PGE Telecom	NOT STARTED	1	0	0	1	100%
	APPROVED TO START	0	0	0	0	0%
	IN PROGRESS	0	0	0	0	0%
	RELOCATED	0	0	0	0	0%
	<b>TOTAL</b>	<b>1</b>	<b>0</b>	<b>0</b>	<b>1</b>	<b>100%</b>
Telecom	NOT STARTED	25	2	0	27	4%
	APPROVED TO START	0	0	0	0	0%
	IN PROGRESS	55	17	0	72	11%
	RELOCATED	335	214	32	581	85%
	<b>TOTAL</b>	<b>415</b>	<b>233</b>	<b>32</b>	<b>680</b>	<b>100%</b>
Wet	NOT STARTED	30	13	0	43	12%
	APPROVED TO START	0	0	0	0	0%
	IN PROGRESS	72	7	10	89	24%
	RELOCATED	169	37	32	238	64%
	<b>TOTAL</b>	<b>271</b>	<b>57</b>	<b>42</b>	<b>370</b>	<b>100%</b>

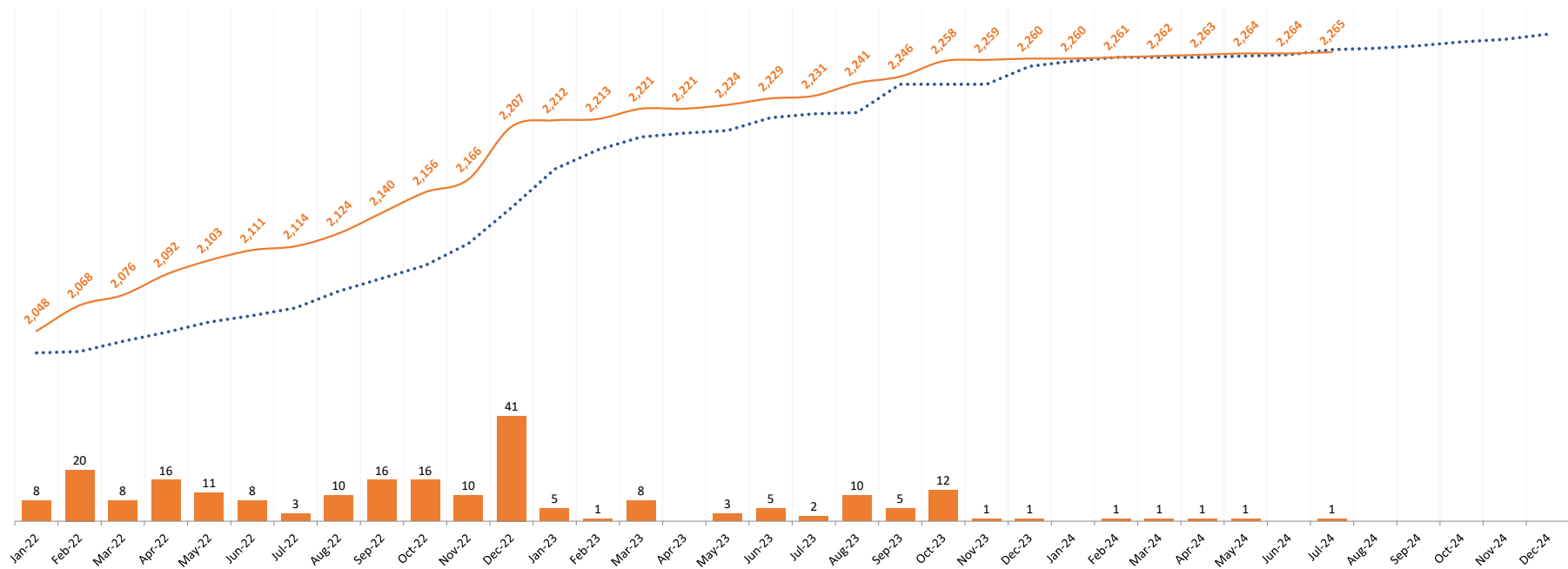
## CP 1-4 – Real Property/Right-of-Way (ROW)

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

Construction Package	Total Needed Parcels Jul 31, 2024	Total Parcels Delivered to Date Jul 31, 2024	Remaining Parcels to be Delivered Jul 31, 2024	Percentage Delivery
CP 1	1,079	1,066	13	99%
CP 2-3	988	976	12	99%
CP 4	223	223	0	100%
<b>Total</b>	<b>2,290</b>	<b>2,265</b>	<b>25</b>	<b>99%</b>

### CP 1-4 – 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 and forecast dates.
2. Total Parcels Needed increased by one parcel in CP 2-3.

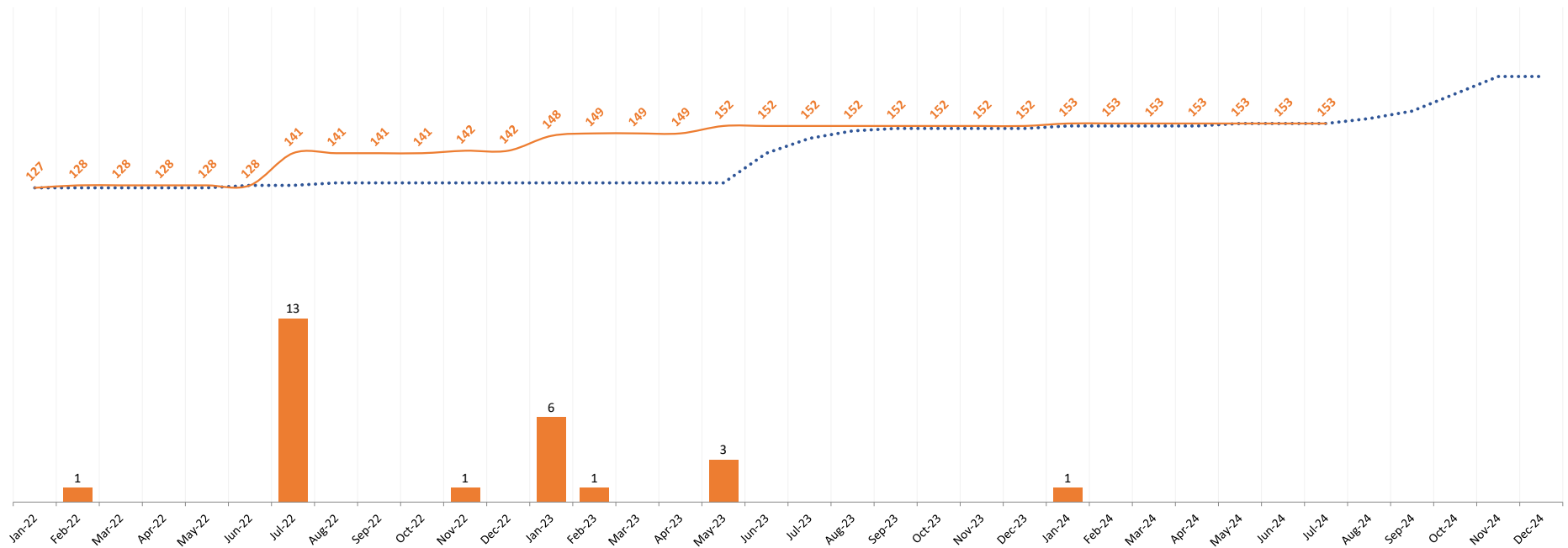
## CP 1-4 – Real Property/Right-of-Way (ROW) Railroad

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

Construction Package	Total Needed Railroad Parcels Jul 31, 2024	Total Railroad Parcels Delivered to Date Jul 31, 2024	Remaining Railroad Parcels to be Delivered Jul 31, 2024
CP 1	89	69	20
CP 2-3	58	55	3
CP 4	29	29	0
<b>Total</b>	<b>176</b>	<b>153</b>	<b>23</b>

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

■ Actual Railroad Delivery to DB   
 ⋯ Planned Railroad Cumulative   
 — Actual Railroad Cumulative



**Notes:**

1. This reflects the actual Railroad parcels delivered to Design-Builder by month and updated forecast dates.

## CONSTRUCTION PACKAGE 1 (CP 1) OVERVIEW

### CP 1 – Design-Build Contract Summary<sup>(1)</sup>

#### Milestones

Milestone	Date
Request for Quote (RFQ) Date:	11/15/2011
Statement of Qualification (SOQ) Date:	12/19/2011
Request for Proposal (RFP) Date:	3/22/2012
Proposal:	1/18/2013
Bid Open Date:	4/13/2013
Award Date:	8/16/2013
Notice to Proceed (NTP) 1 Date:	10/15/2013
Notice to Proceed (NTP) 2 Date:	11/22/2013
Notice to Proceed (NTP) 3 Date:	7/11/2014
Original Completion Date:	3/31/2018
Current Forecast Contract Completion Date <sup>(2)</sup> :	Dec 2026
<b>Current Forecast Construction Completion Date<sup>(2)</sup>:</b>	<b>Nov 2026</b>

#### 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:	\$2,728,691,936.40
Current Contract Amount:	\$3,751,679,936.40
Approved Invoices to Date:	\$2,617,741,311.92
<b>Remaining Contract Balance:</b>	<b>\$1,133,938,624.48</b>

#### Contract Time Status

Description	Duration
Original Contract Days:	1,628
Extension of Time Awarded <sup>(3)</sup> :	3,159
Current Forecast Contract Days <sup>(3)</sup> :	4,787
Calendar Days Worked (thru 07/31/2024):	3,942

#### Expended to Date

Description	Percentage
Time <sup>(3)</sup> :	82.3%
Dollars:	69.8%

#### Growth Percentage

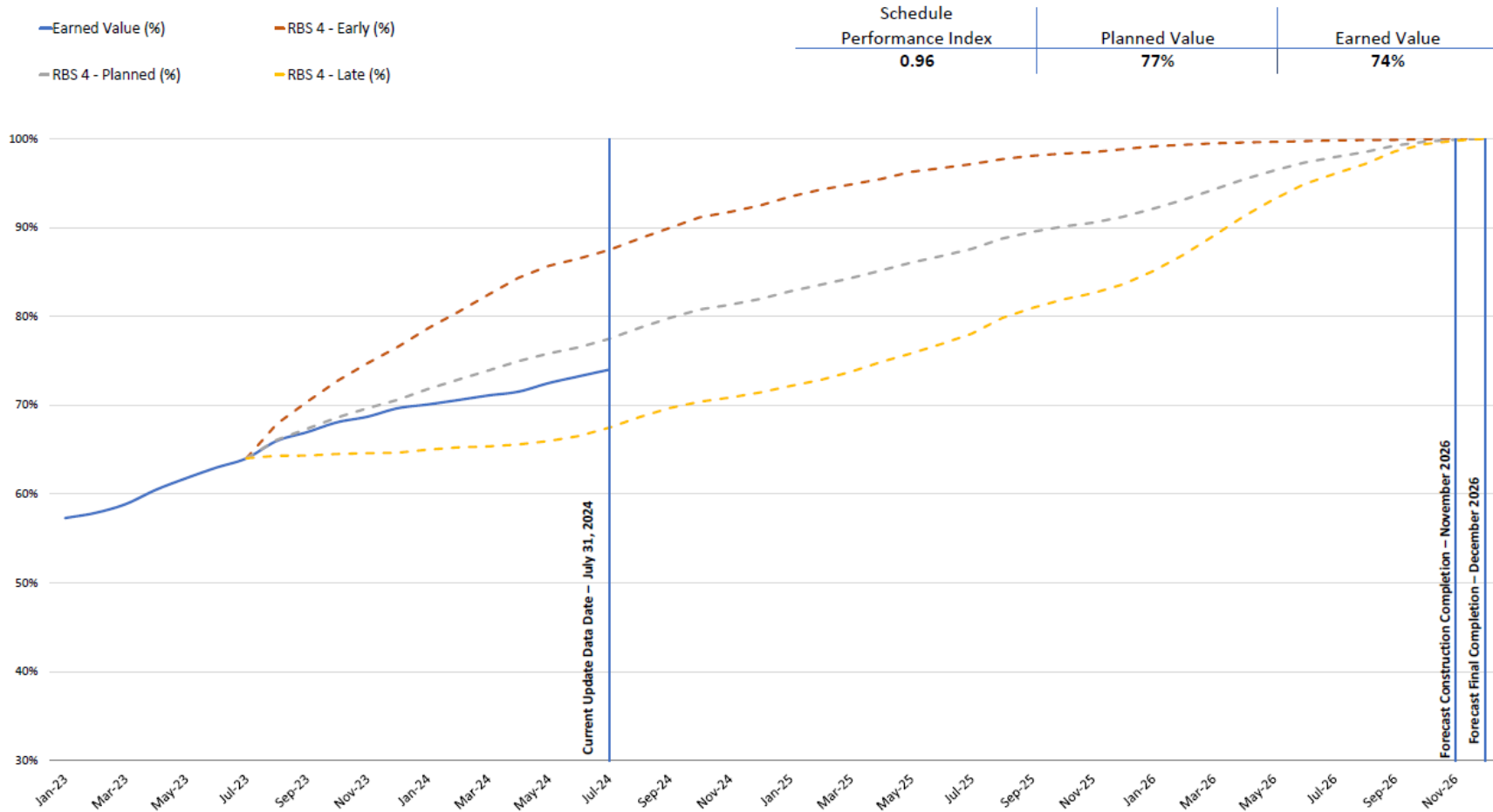
Description	Percentage
Time <sup>(3)</sup> :	194.0%
Dollars:	266.7%

#### 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 – Earned Value**

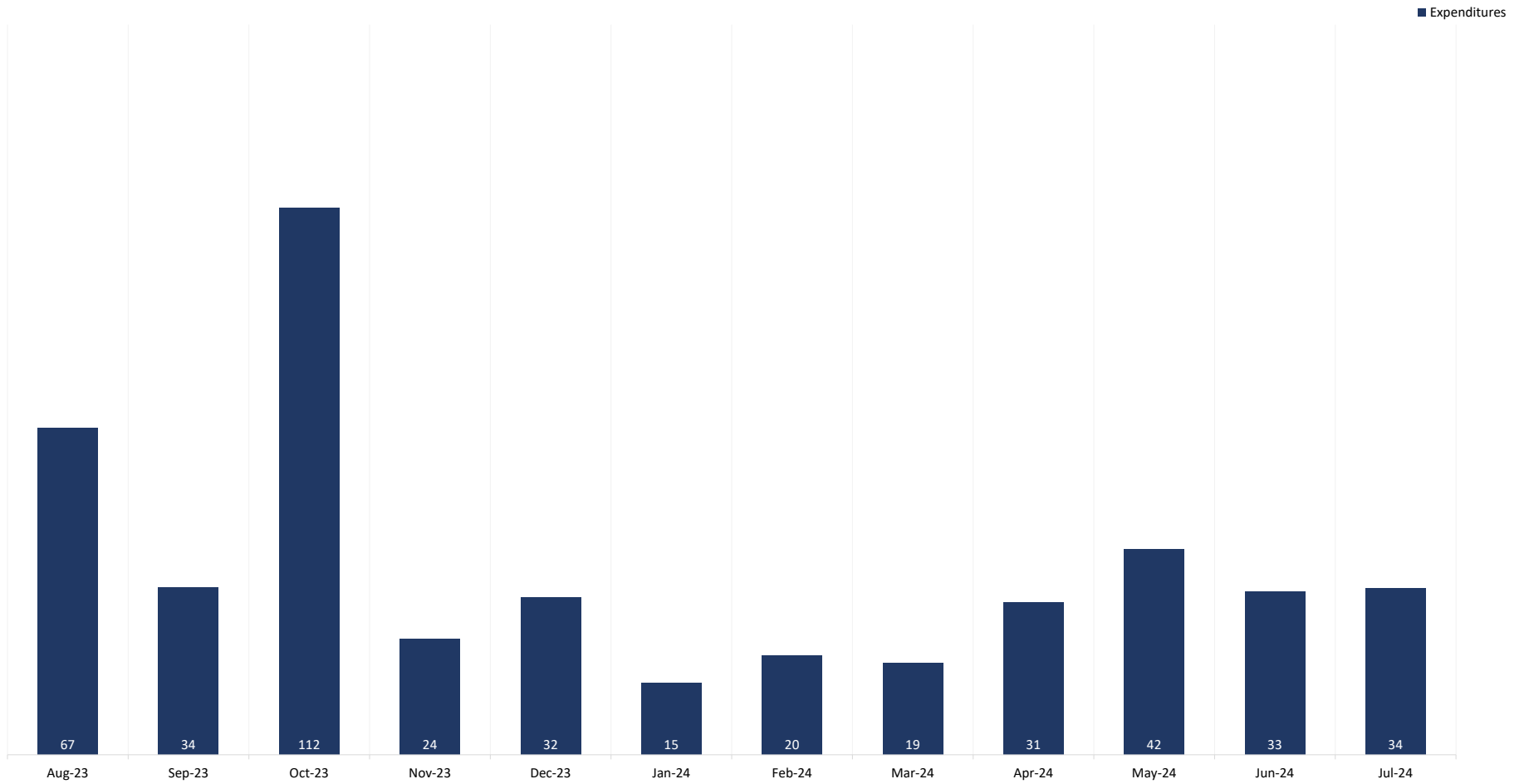
CP 1 – Earned Value Summary (%)



**Notes:**

1. Earned Value represents physical progress of site activities, which is based on project team verification of site progress measurements.
2. The early dates graph is optimistic and assumes activities will take place on the schedule early dates.
3. Average graph assumes non-critical path activities are taking place mid-way of early and late dates.
4. The late dates graph assumes activities will take place on the schedule late dates. If actuals fall below late graph, it indicates schedule slippage. The Schedule Performance Index (SPI) is measured against the average graph.

**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 \$34.3M.

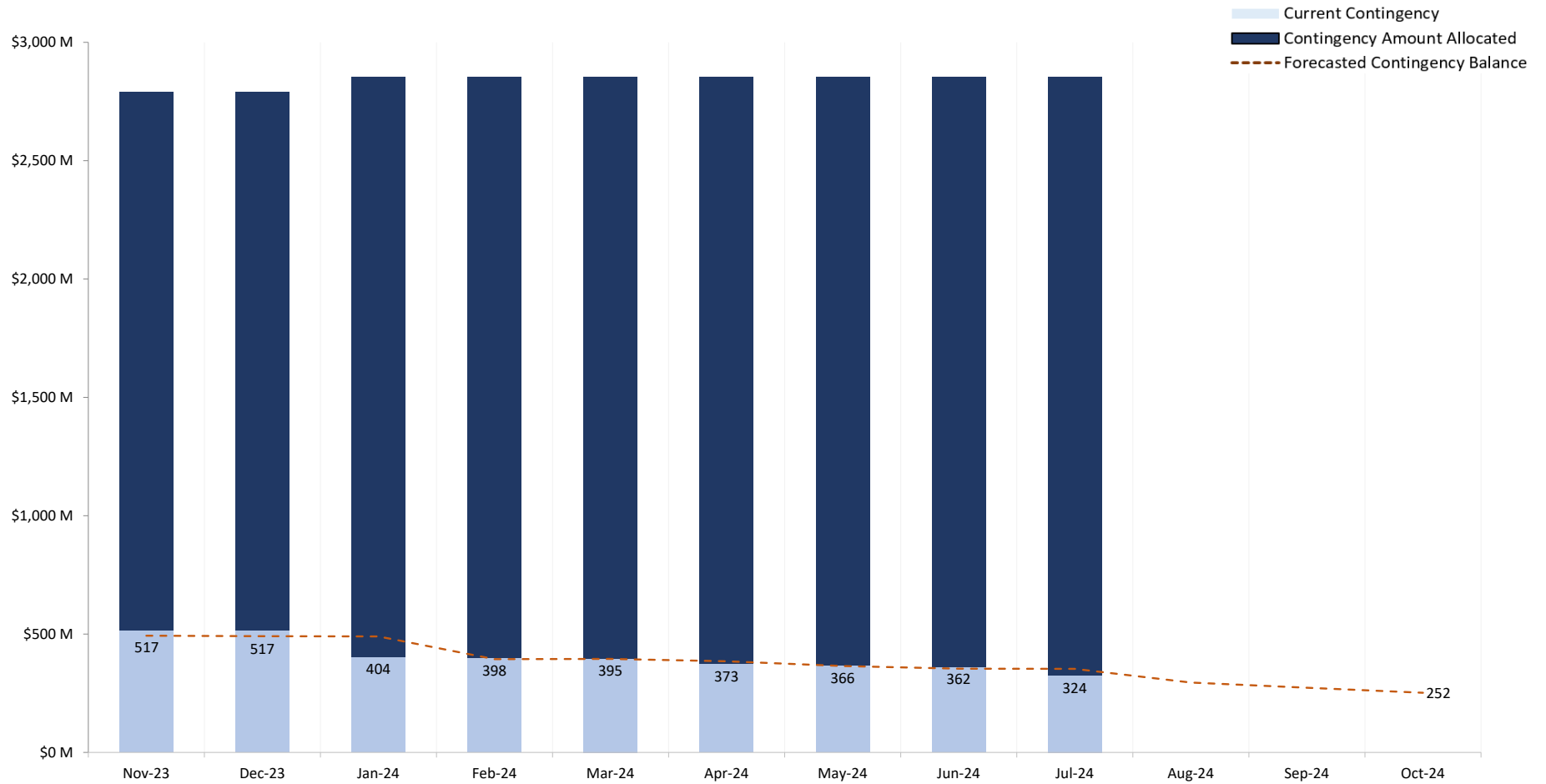
## CP 1 – Change Orders (CO)

### CP 1 – Change Order Status

CO Number	Title	Change Status	Amount	Executed Date
7.3	CL1 CL2 Hazardous Soil - Increase in Quantity	Executed	\$13,500,000.00	7/31/2024
467.1	HM-216 S1 MF-10-1001 Unknown Underground Septic Tank - Supplemental	Executed	\$410,907.00	7/26/2024
546	Madera County Overhead Structures Maintenance	Executed	\$350,000.00	7/30/2024
549	Private Property Connections at Golden State Boulevard	Executed	\$3,900,000.00	7/26/2024
550.01	DL-0234 Relocate Level 3 & Sprint at Olive to McKinley Subtask 1.08 - 3rd Party Cost	Executed	\$7,012,098.00	7/2/2024
550.02	DL-0234 Relocate Qwest from Clinton to Belmont Subtask 1.06 - 3rd Party Cost	Executed	\$9,111,556.00	7/2/2024
552	DL-0229 UPRR CSL Testing at Fresno Trench North and South Lid	Executed	\$1,217,899.00	7/26/2024
553	DL-0238 Herndon Ave MOT Redesign and Traffic Models - Design	Executed	\$681,090.00	7/2/2024
556	Level 3 BNSF ROW Redesign Between Road 26 and Road 27 - Supplementary	Executed	\$17,612.00	7/11/2024
557	TW Telecom Temp Relocation at Belmont Subtask 1.06 - 3rd Party Costs	Executed	\$1,143,444.00	7/23/2024
<b>Total</b>			<b>\$37,344,606.00</b>	

**CP 1 – Risk Contingency**

CP 1 – Risk Contingency Status (\$ Millions)



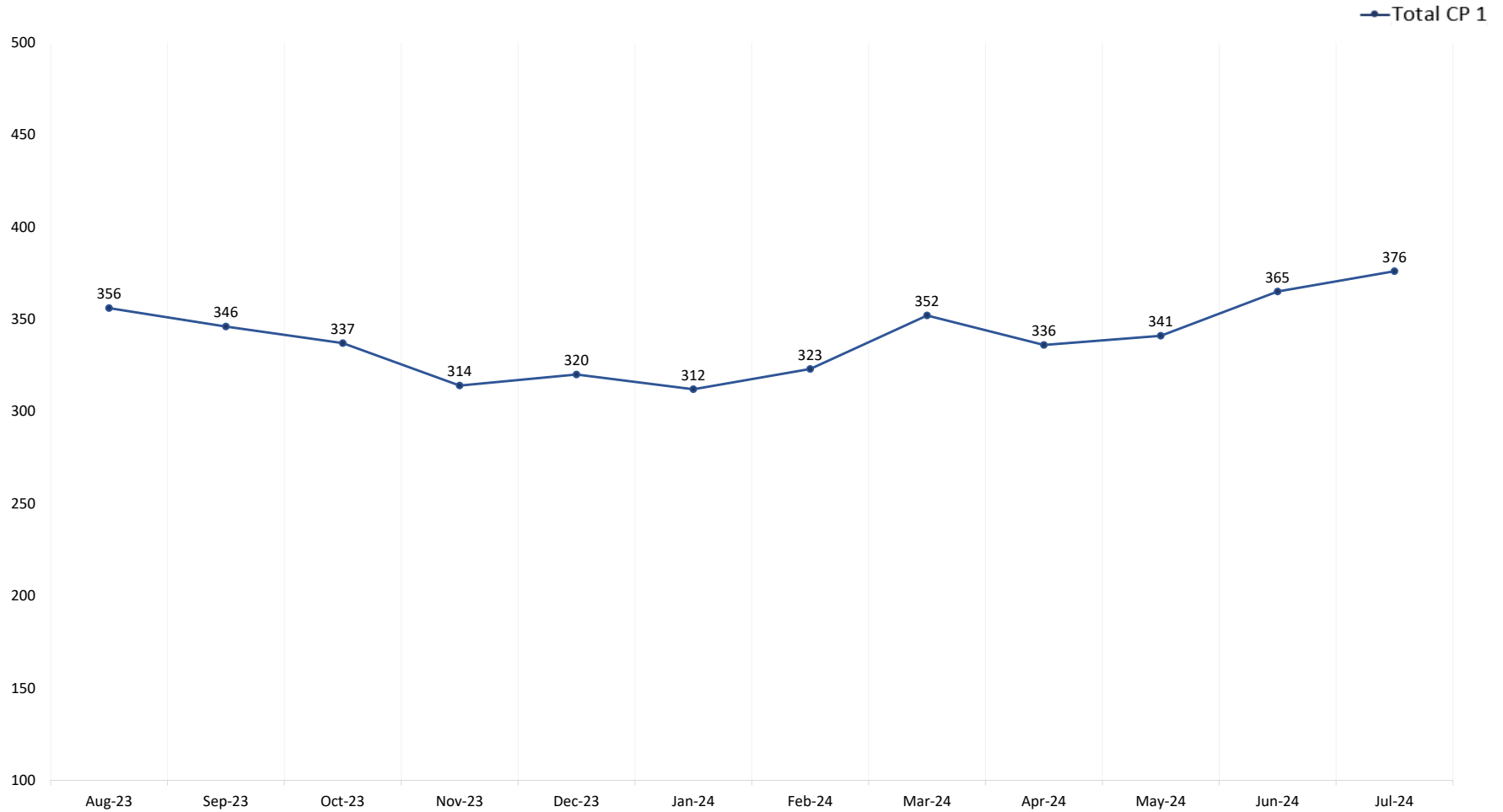
**Notes:**

1. January 2024 contingency data reflects the January 18, 2024 Board Total Expenditure Authorization which increased the total CP 1 budgeted contract contingency to \$2,853.4M.
2. Contingency Amount Allocated reflects executed change orders and Business Oversight Committee (BOC) approved items.
3. 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)



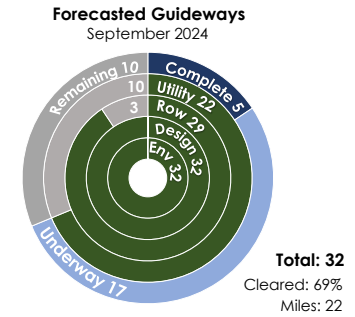
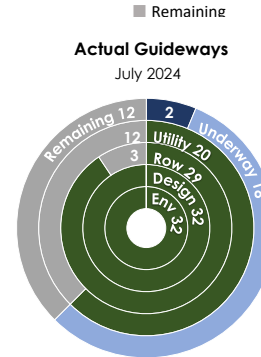
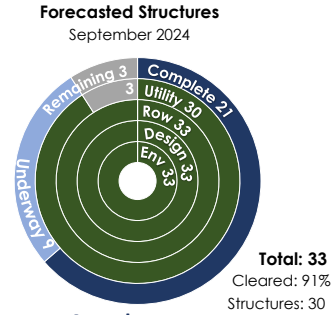
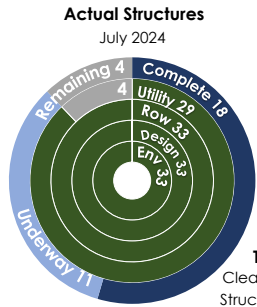
**Notes:**

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. At 376, it is an increase of 11 from the previous month (365).

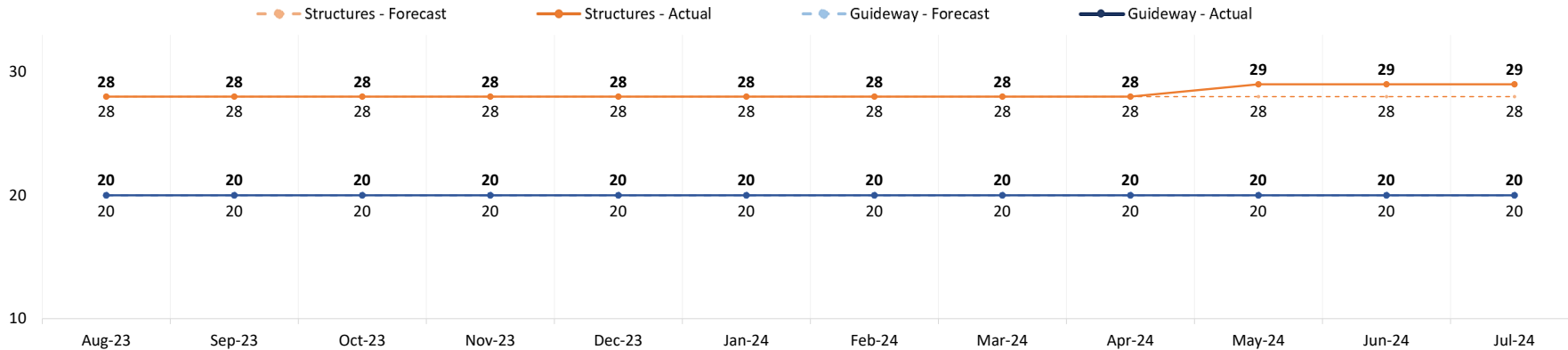
## CP 1 – Construction Progress

### CP 1 – Construction Progress

■ Cleared for Construction   ■ Construction Underway   ■ Construction Complete



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



**Notes:**

- The circle charts above incorporate Revised Baseline Schedules (RBS) Revision 4 accepted schedule.
- Construction Complete definition:
  - Structure Completion – all concrete work is complete.
  - Guideway Completion – earthworks complete with rough grading.
- Total Structures: 33.
  - 29 structures underway/construction complete.
- Total Guideway: 32 miles.
  - 20 miles underway/construction complete.
- Late finish dates are being used to estimate forecast numbers.
- 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). UPRR has approved the Caltrans 2.5 miles at 60% Design with 90% Design progressing. The Caltrans 2.5 mile Intrusion Protection Barriers (IPB) Work Plan has been approved and work commenced February 2023.

## CP 1 – Utility Relocation Summary

### CP 1 – High Level Summary

Status	Utility Relocations	Percentage
Total Utilities Not Started	133	13%
Total Utilities Approved to Start	0	0%
Total Utilities in Progress	155	16%
Total Utilities Relocated	704	71%
<b>Total</b>	<b>992</b>	<b>100%</b>

### CP 1 – Summary by Utility Type

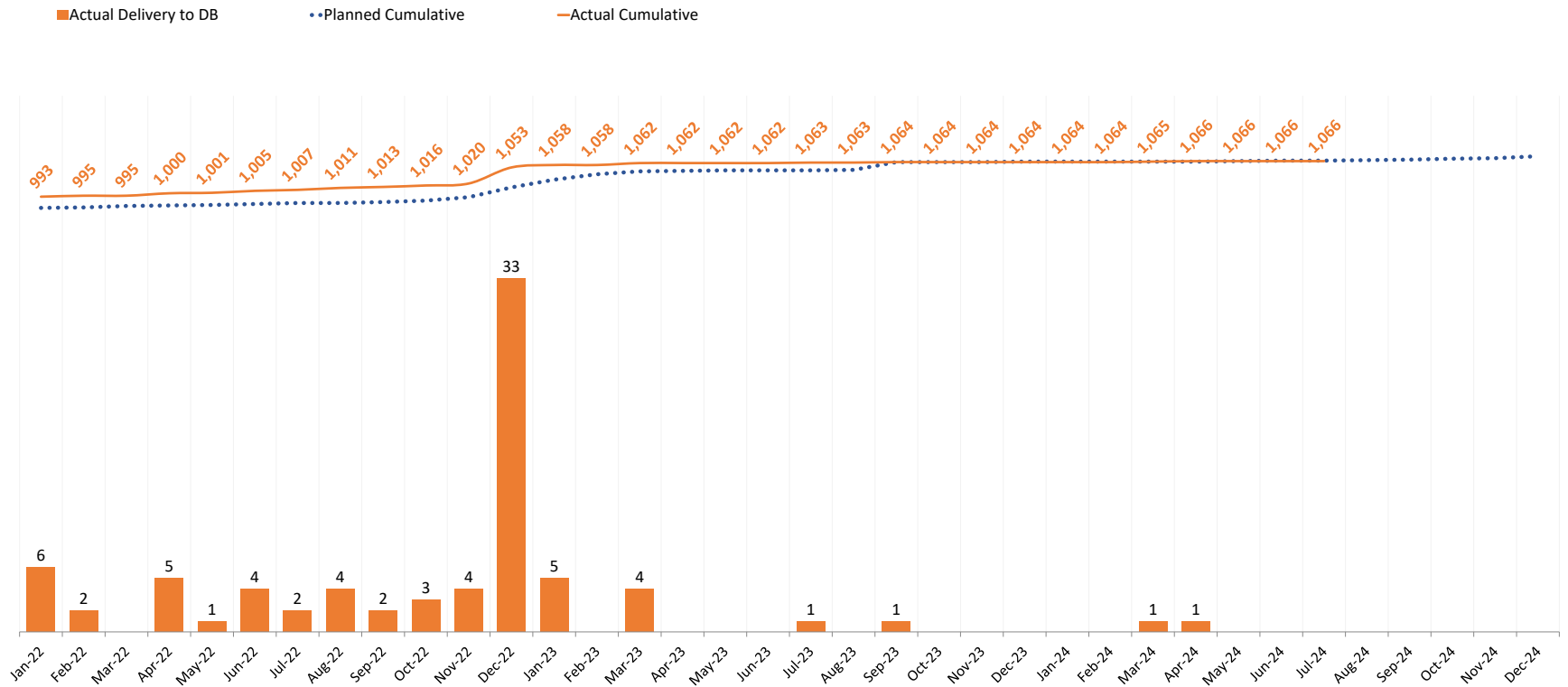
Utility	Status	Utility Relocations	Percentage
Electric	NOT STARTED	62	29%
	APPROVED TO START	0	0%
	IN PROGRESS	17	8%
	RELOCATED	136	63%
	<b>TOTAL</b>	<b>215</b>	<b>100%</b>
Gas	NOT STARTED	15	17%
	APPROVED TO START	0	0%
	IN PROGRESS	11	12%
	RELOCATED	64	71%
	<b>TOTAL</b>	<b>90</b>	<b>100%</b>
PGE Telecom	NOT STARTED	1	100%
	APPROVED TO START	0	0%
	IN PROGRESS	0	0%
	RELOCATED	0	0%
	<b>TOTAL</b>	<b>1</b>	<b>100%</b>
Telecom	NOT STARTED	25	6%
	APPROVED TO START	0	0%
	IN PROGRESS	55	13%
	RELOCATED	335	81%
	<b>TOTAL</b>	<b>415</b>	<b>100%</b>
Wet	NOT STARTED	30	11%
	APPROVED TO START	0	0%
	IN PROGRESS	72	27%
	RELOCATED	169	62%
	<b>TOTAL</b>	<b>271</b>	<b>100%</b>

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

### CP 1 – Right-of-Way (ROW) Summary

Construction Package	Total Needed Parcels Jul 31, 2024	Total Parcels Delivered to Date Jul 31, 2024	Remaining Parcels to be Delivered Jul 31, 2024
CP 1	1,079	1,066	13

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



**Notes:**

1. This reflects the actual parcels delivered to the Design-Builder by month and updated forecast dates.

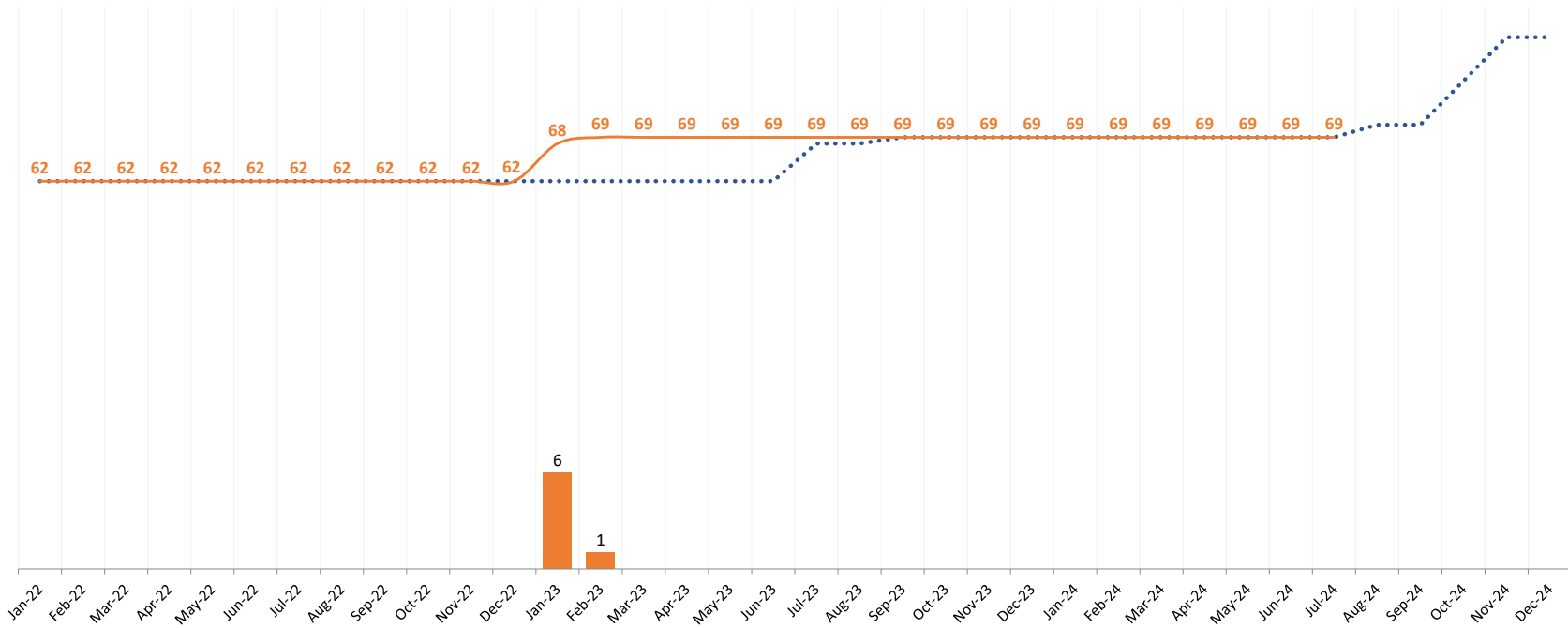
## CP 1 – Real Property/Right-of-Way (ROW) Railroad

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

Construction Package	Total Needed Railroad Parcels Jul 31, 2024	Total Railroad Parcels Delivered to Date Jul 31, 2024	Remaining Railroad Parcels to be Delivered Jul 31, 2024
CP 1	89	69	20

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

■ Actual Railroad Delivery to DB   
 ⋯ Planned Railroad Cumulative   
 — Actual Railroad Cumulative



**Notes:**

1. This reflects the actual Railroad parcels delivered to Design-Builder by month and updated forecast dates.

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

### CP 2-3 – Design-Build Contract Summary<sup>(1)</sup>

#### Milestones

Milestone	Date
Request for Quote (RFQ) Date:	10/9/2013
Statement of Qualification (SOQ) Date:	12/13/2013
Request for Proposal (RFP) Date:	4/3/2014
Proposal:	10/30/2014
Bid Open Date:	12/11/2014
Award Date:	6/10/2015
Late Notice to Proceed (LNTP) Date:	6/12/2015
Notice to Proceed (NTP) Date:	7/25/2015
Original Completion Date:	8/19/2019
Current Forecast Contract Completion Date <sup>(2)</sup> :	May 2026
<b>Current Forecast Construction Completion Date<sup>(2)</sup>:</b>	<b>March 2026</b>

#### 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:	\$2,200,443,131.59
Current Contract Amount:	\$3,565,779,021.59
Approved Invoices to Date:	\$2,737,955,788.37
<b>Remaining Contract Balance:</b>	<b>\$827,823,233.22</b>

#### Contract Time Status

Description	Duration
Original Contract Days:	1,486
Extension of Time Awarded <sup>(3)</sup> :	2,406
Current Forecast Contract Days <sup>(3)</sup> :	3,892
Calendar Days Worked (thru 07/31/2024):	3,294

#### Expended to Date Percentage

Description	Percentage
Time <sup>(3)</sup> :	84.6%
Dollars:	76.8%

#### Growth Percentage

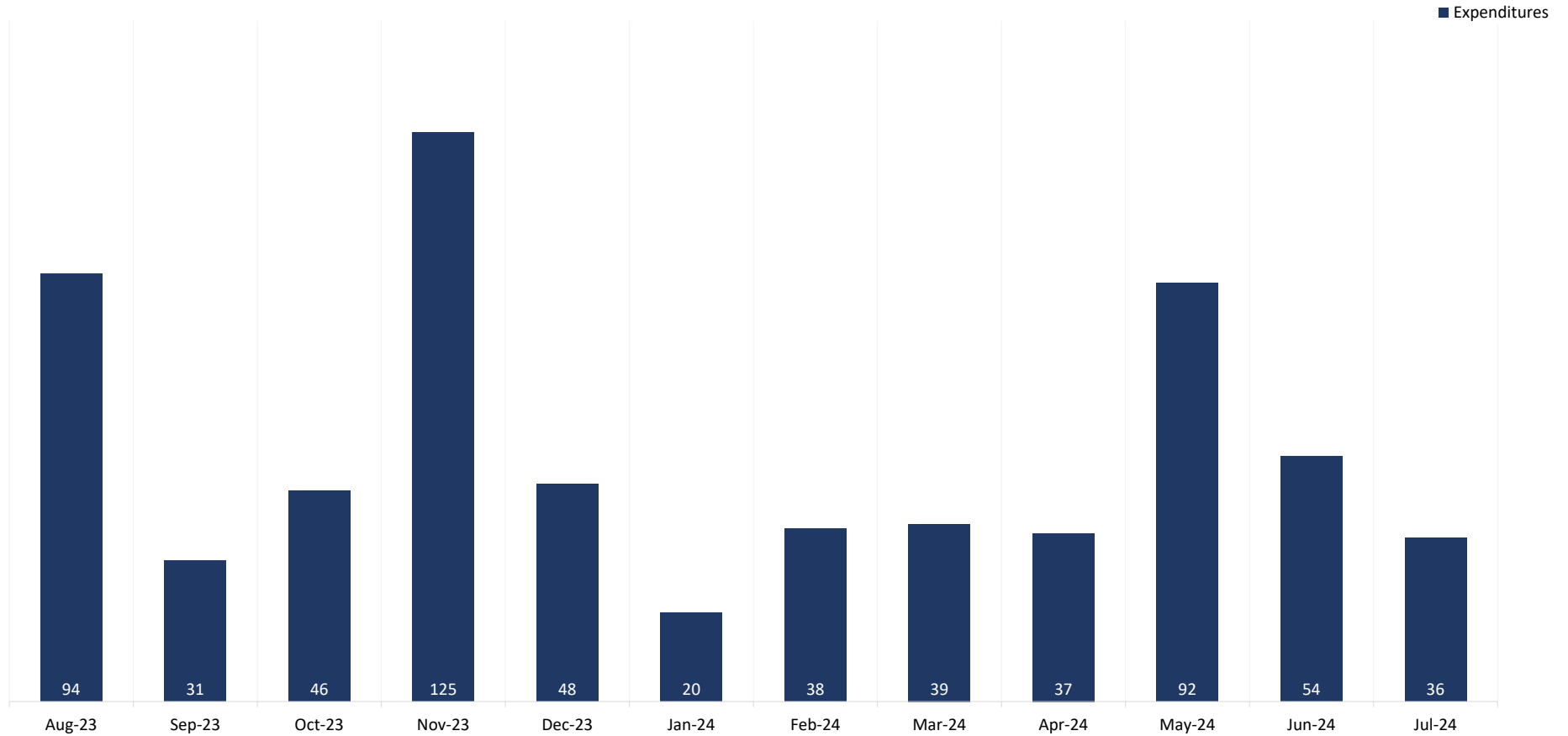
Description	Percentage
Time <sup>(3)</sup> :	161.9%
Dollars:	161.2%

#### 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 \$36.0M.

## CP 2-3 – Change Orders (CO)

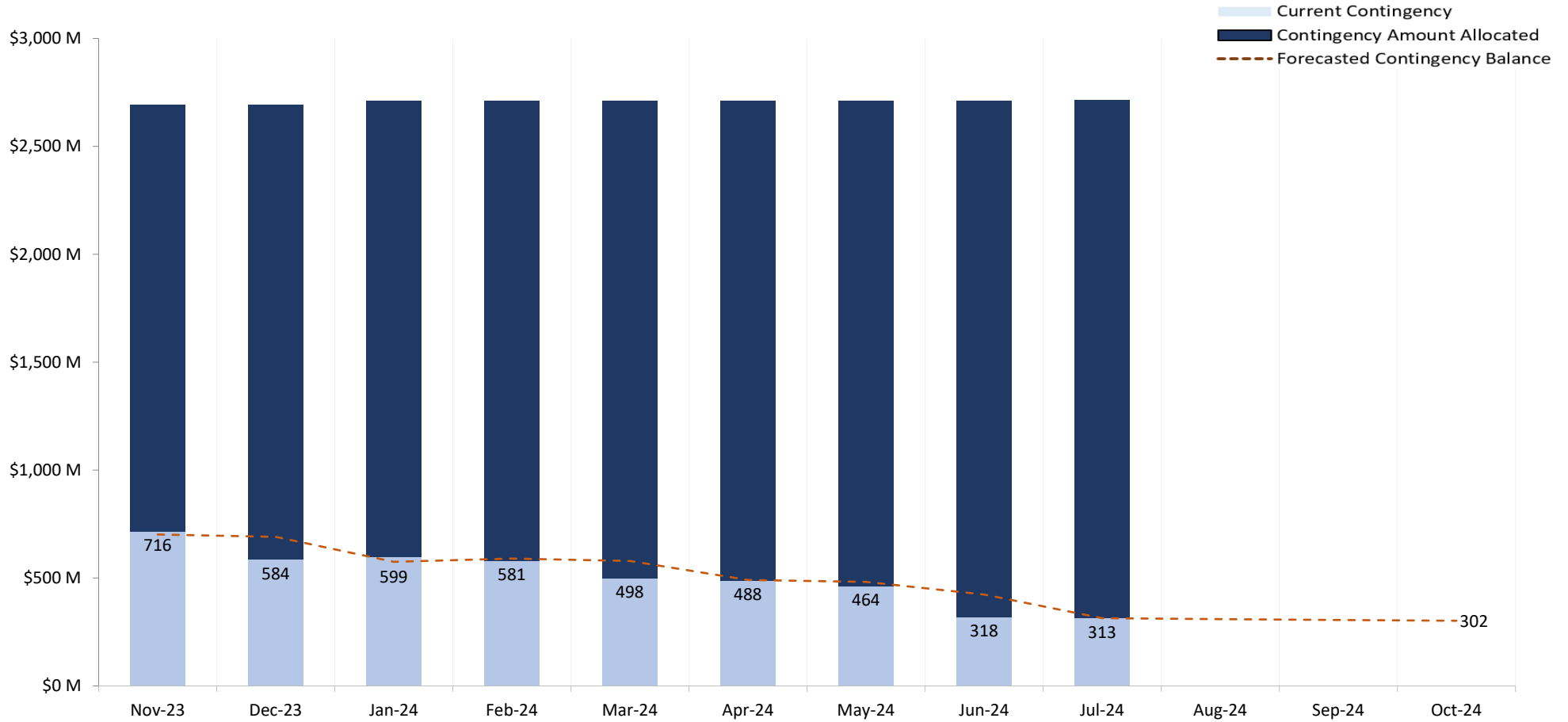
### CP 2-3 – Change Order Status

CO Number	Title	Change Status	Amount	Executed Date
104.1	Type 742 Concrete Barrier Change – Caltrans 2015 Specifications	Executed	\$256,067.00	7/31/2024
358.1	Fresno Irrigation District Eastside Access Roads – Construction Costs	Executed	\$950,000.00	7/31/2024
379.4	Vie-Del Boneyard – DL 217 – T&M	Executed	\$800,000.00	7/11/2024
408	Sempra PIP Mitigation at Nebraska Avenue	Executed	\$91,634.00	7/10/2024
406	PG&E Generators for Corcoran State Prison (PG&E Invoice No. 8281365)	Executed	\$2,855,074.00	7/10/2024
<b>Total</b>			<b>\$4,952,775.00</b>	



**CP 2-3 – Risk Contingency**

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

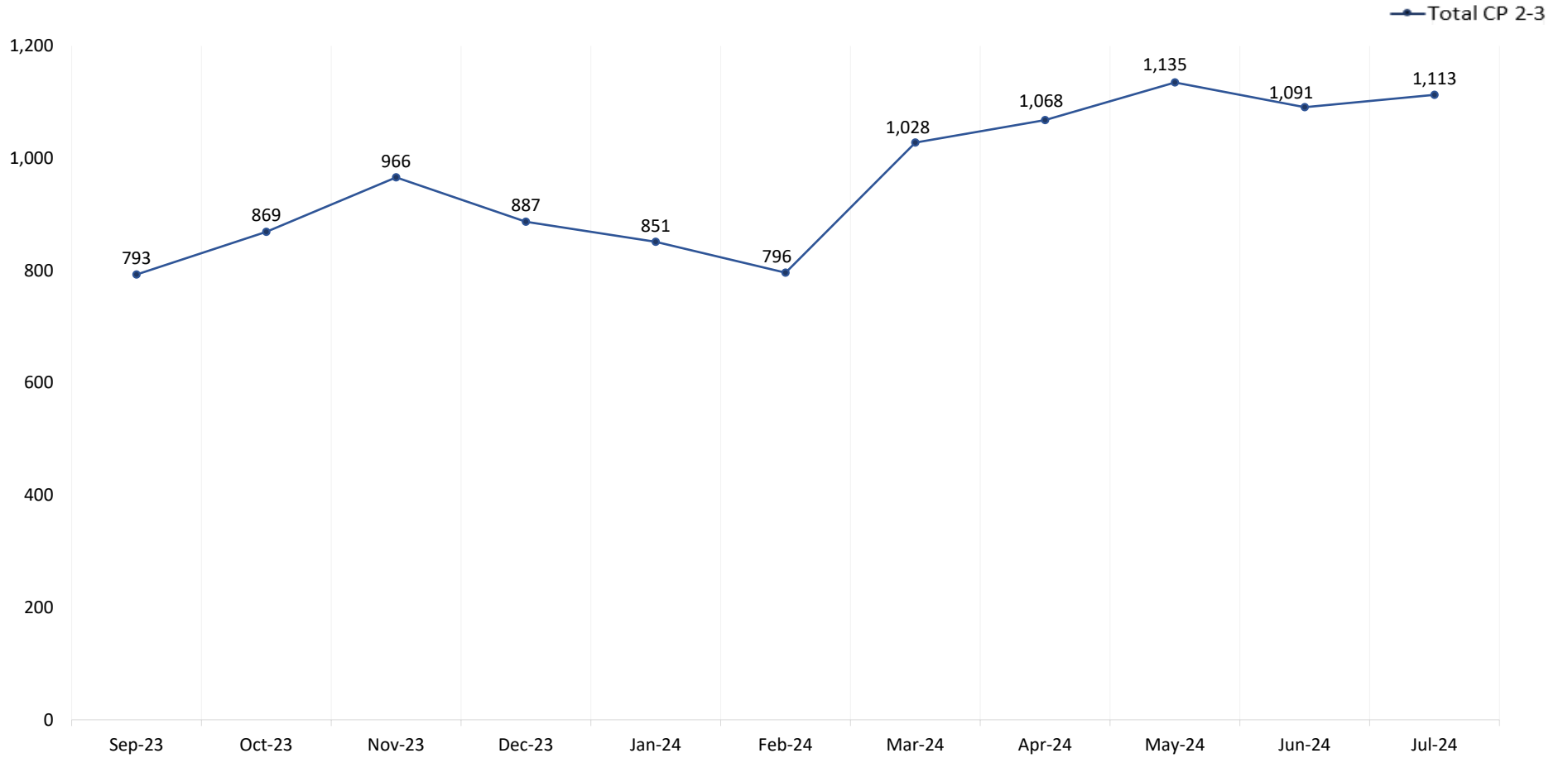


**Notes:**

1. January 2024 contingency data reflects the January 18, 2024 Board Total Expenditure Authorization which increased the total CP 2-3 budgeted contract contingency to \$2,712.5M.
2. Contingency Amount Allocated reflects executed change orders and Business Oversight Committee (BOC) approved items.
3. 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)



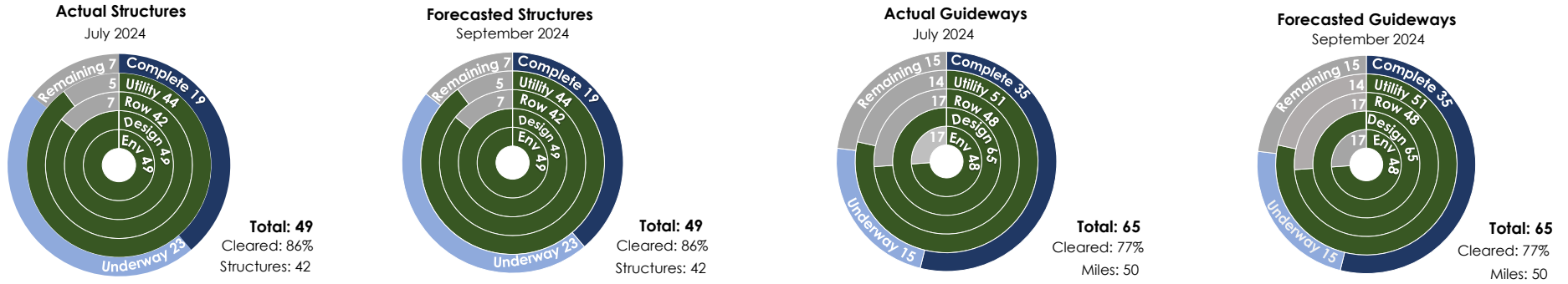
**Notes:**

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. At 1,113, it is an increase of 22 from the previous month (1,091).

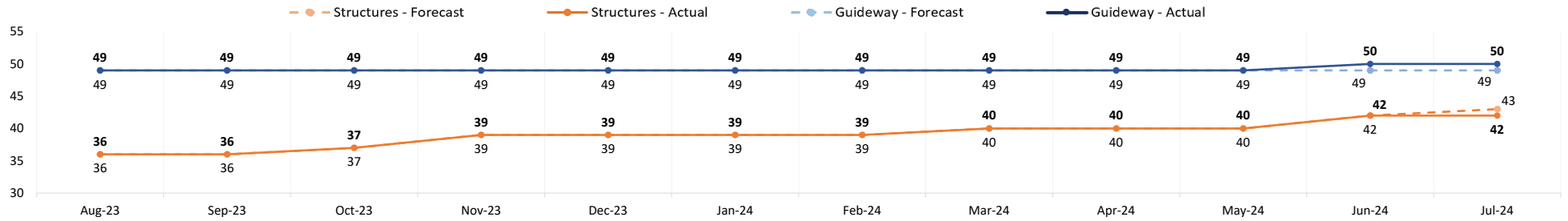
## CP 2-3 – Construction Progress

### CP 2-3 – Construction Progress

■ Cleared for Construction   ■ Construction Underway   ■ Construction Complete   ■ Remaining



### 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:
    - 42 structures underway/construction complete.
  - Total Guideway: 65 miles:
    - 50 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	94	13%
Total Utilities Approved to Start	0	0%
Total Utilities in Progress	49	7%
Total Utilities Relocated	558	80%
<b>Total</b>	<b>701</b>	<b>100%</b>

### CP 2-3 – Summary by Utility Type

Utility	Status	Utility Relocations	Percentage
Electric	NOT STARTED	70	18%
	APPROVED TO START	0	0%
	IN PROGRESS	25	7%
	RELOCATED	289	75%
	<b>TOTAL</b>	<b>384</b>	<b>100%</b>
Gas	NOT STARTED	9	33%
	APPROVED TO START	0	0%
	IN PROGRESS	0	0%
	RELOCATED	18	67%
	<b>TOTAL</b>	<b>27</b>	<b>100%</b>
Telecom	NOT STARTED	2	1%
	APPROVED TO START	0	0%
	IN PROGRESS	17	7%
	RELOCATED	214	92%
	<b>TOTAL</b>	<b>233</b>	<b>100%</b>
Wet	NOT STARTED	13	23%
	APPROVED TO START	0	0%
	IN PROGRESS	7	12%
	RELOCATED	37	65%
	<b>TOTAL</b>	<b>57</b>	<b>100%</b>

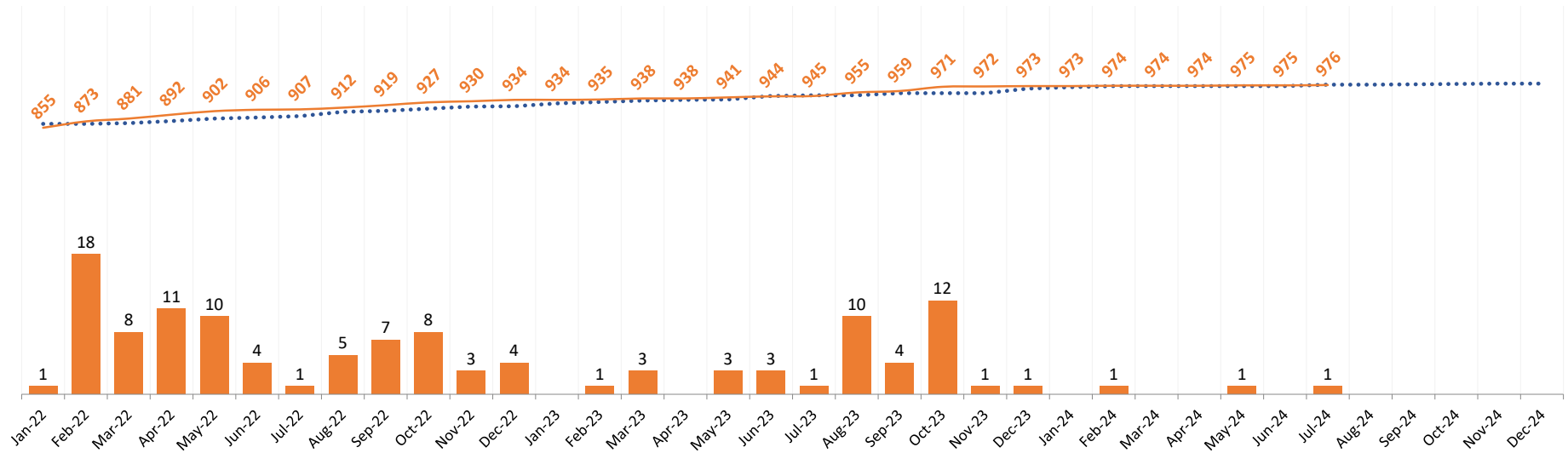
## CP 2-3 – Real Property/Right-of-Way (ROW)

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

Construction Package	Total Needed Parcels Jul 31, 2024	Total Parcels Delivered to Date Jul 31, 2024	Remaining Parcels to be Delivered Jul 31, 2024
CP 2-3	988	976	12

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

■ Actual Delivery to DB   
 ⋯ Planned Cumulative   
 — Actual Cumulative



**Notes:**

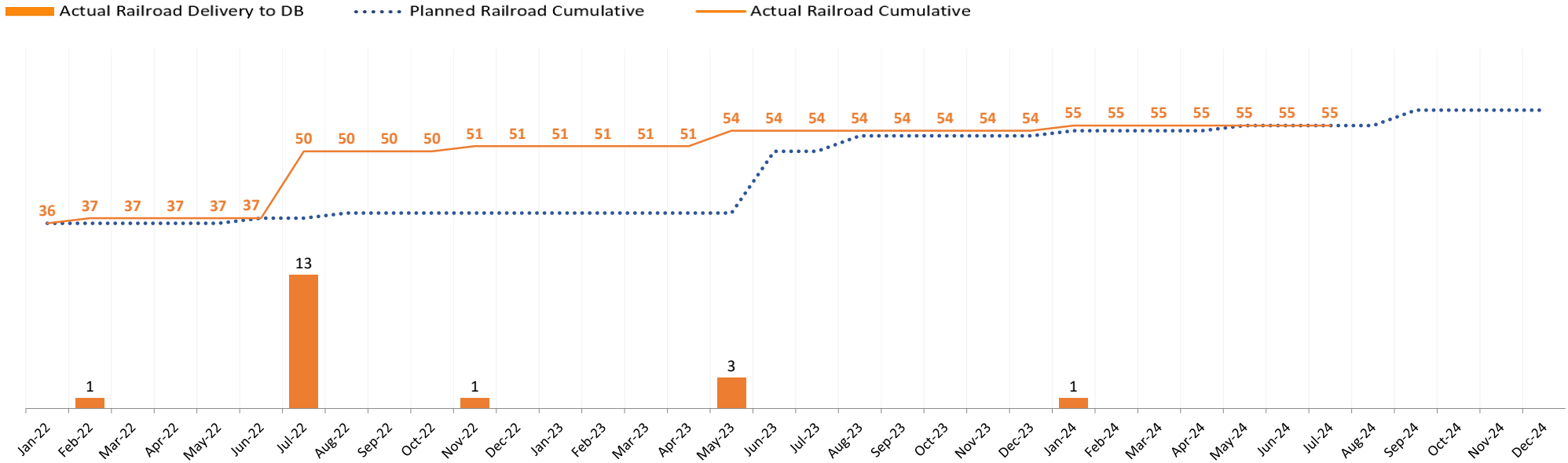
1. This reflects the actual parcels delivered to the Design-Builder by month and updated forecast dates.
2. Total Parcels Needed increased by one parcel in July 2024.

## 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 Jul 31, 2024	Total Railroad Parcels Delivered to Date Jul 31, 2024	Remaining Railroad Parcels to be Delivered Jul 31, 2024
CP 2-3	58	55	3

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



**Notes:**

1. This reflects the actual Railroad parcels delivered to Design-Builder by month and updated forecast dates.

## CONSTRUCTION PACKAGE 4 (CP 4) OVERVIEW

### CP 4 – Design-Build Contract Summary<sup>(1)</sup>

#### Milestones

Milestone	Date
Request for Quote (RFQ) Date:	11/20/2014
Statement of Qualification (SOQ) Date:	1/30/2015
Request for Proposal (RFP) Date:	5/27/2015
Proposal:	11/25/2015
Bid Open Date:	1/5/2016
Late Notice to Proceed (LNTP) Date:	3/1/2016
Notice to Proceed (NTP) Date:	4/15/2016
Original Completion Date:	6/3/2019
<b>Construction Substantial Completion Date<sup>(2)</sup>:</b>	<b>Jan 2024</b>
Current Forecast Contract Completion Date <sup>(2)</sup> :	Aug 2024

#### Contract Time Status

Description	Duration
Original Contract Days:	1,144
Extension of Time Awarded <sup>(3)</sup> :	1,680
Current Forecast Contract Days <sup>(3)</sup> :	2,824
Calendar Days Worked (thru 07/31/2024):	3,029

#### 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:	\$391,293,022.81
Current Contract Amount:	\$835,540,022.81
Approved Invoices to Date:	\$820,455,638.19
<b>Remaining Contract Balance:</b>	<b>\$15,084,384.62</b>

#### Expended to Date

Description	Percentage
Time <sup>(3)</sup> :	100.0%
Dollars:	98.2%

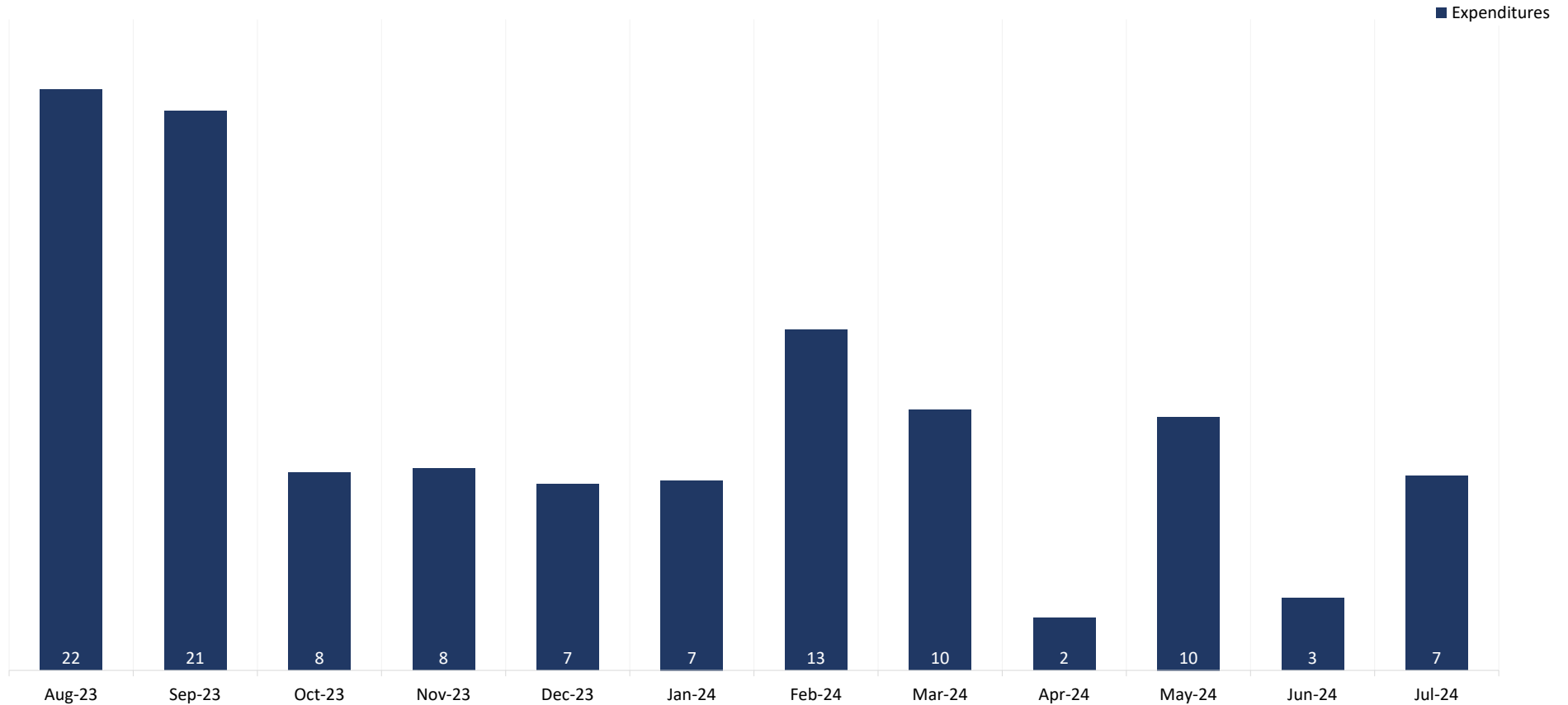
#### Growth Percentage

Description	Percentage
Time <sup>(3)</sup> :	146.9%
Dollars:	88.1%

#### 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 Construction Substantial Completion Date.

**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 \$7.5M.



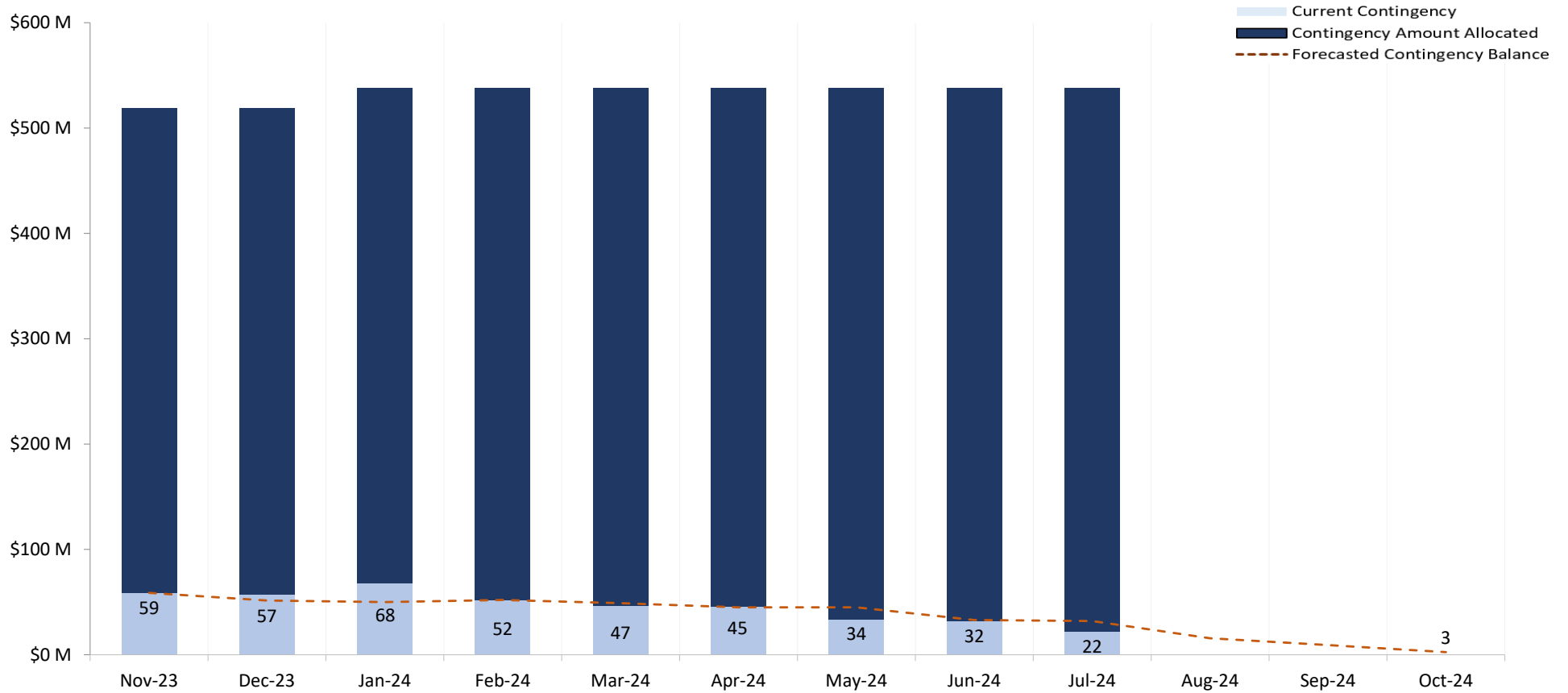
## CP 4 – Change Orders (CO)

### CP 4 – Change Order Status

CO Number	Title	Change Status	Amount	Executed Date
165.3	Semitropic Water Storage District Construction Costs Ceiling Increase Request	Executed	\$8,373,391.69	7/25/2024
234	Environmental Monitoring Additional Costs from December 2023 to January 2024	Executed	\$500,092.58	7/3/2024
32.5.6	Additional Insurance Premium Costs Beyond December 27, 2023 Second Submission	Executed	\$569,809.68	7/2/2024
<b>Total</b>			<b>\$9,443,293.95</b>	

## CP 4 – Risk Contingency

### CP 4 – Risk Contingency Status (\$ Millions)

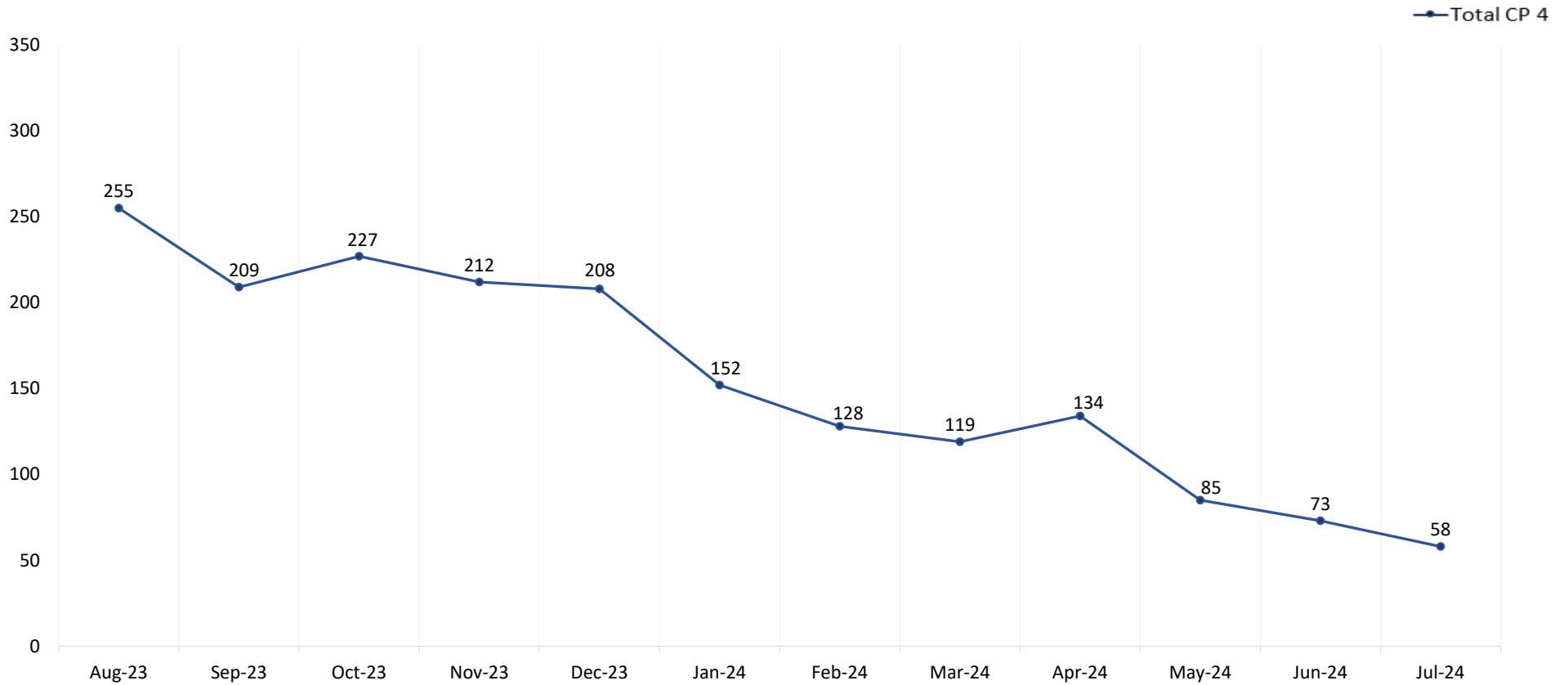


**Notes:**

1. January 2024 contingency data reflects the January 18, 2024 Board Total Expenditure Authorization which increased the total CP 4 budgeted contract contingency to \$538.0M.
2. Contingency Amount Allocated reflects executed change orders and Business Oversight Committee (BOC) approved items.
3. 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)



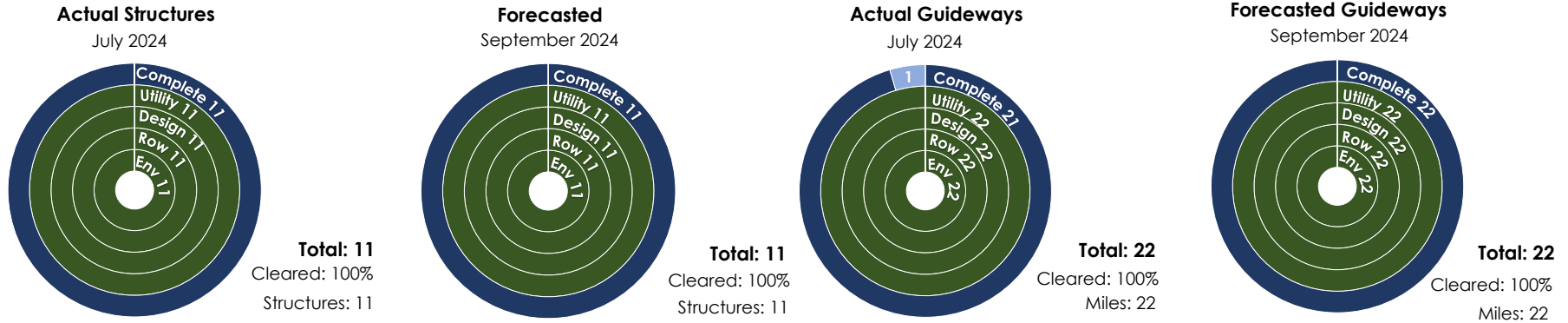
**Notes:**

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. At 58, it is a decrease of 15 from the previous month (73).

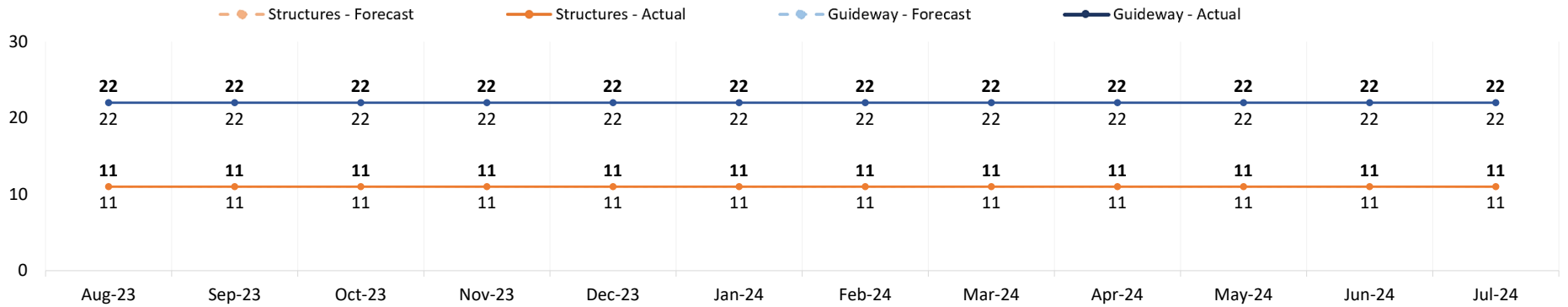
## CP 4 – Construction Progress

### CP 4 – Construction Progress

■ Cleared for Construction   ■ Construction Underway   ■ Construction Complete   ■ Remaining



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



**Notes:**

1. The circle charts above incorporate Revised Baseline Schedules (RBS) Revision 4 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 total 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	0	0%
Total Utilities in Progress	10	7%
Total Utilities Relocated	133	93%
<b>Total</b>	<b>143</b>	<b>100%</b>

### CP 4 – Summary by Utility Type

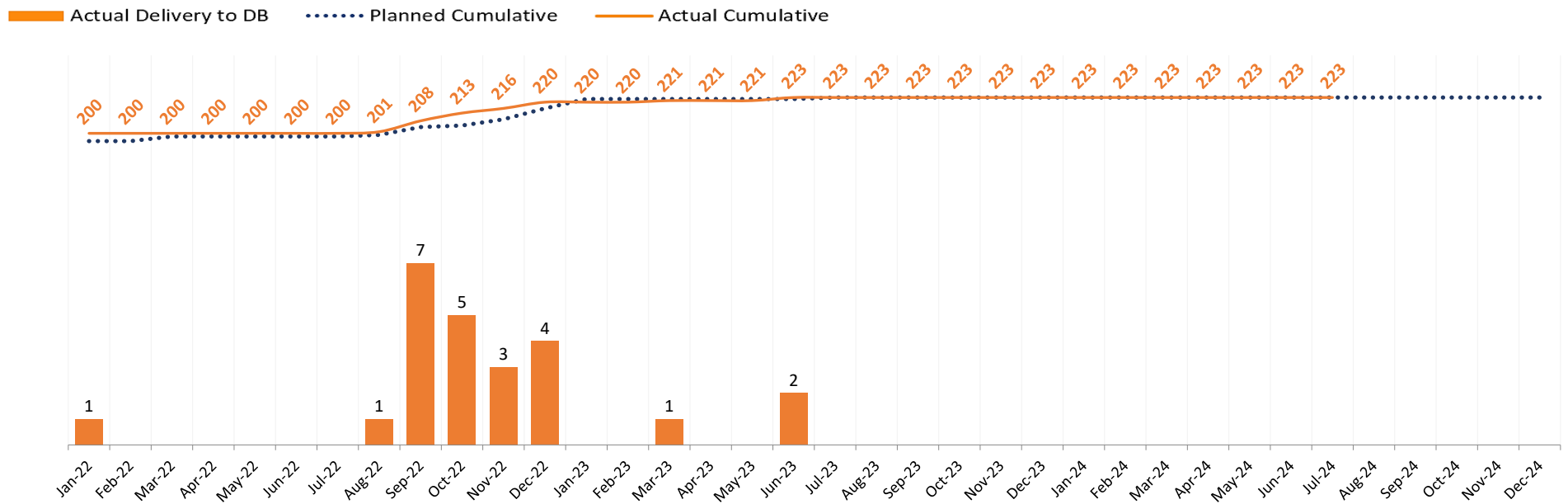
Utility	Status	Utility Relocations	Percentage
Electric	NOT STARTED	0	0%
	APPROVED TO START	0	0%
	IN PROGRESS	0	0%
	RELOCATED	62	100%
	<b>TOTAL</b>	<b>62</b>	<b>100%</b>
Gas	NOT STARTED	0	0%
	APPROVED TO START	0	0%
	IN PROGRESS	0	0%
	RELOCATED	7	100%
	<b>TOTAL</b>	<b>7</b>	<b>100%</b>
Telecom	NOT STARTED	0	0%
	APPROVED TO START	0	0%
	IN PROGRESS	0	0%
	RELOCATED	32	100%
	<b>TOTAL</b>	<b>32</b>	<b>100%</b>
Wet	NOT STARTED	0	0%
	APPROVED TO START	0	0%
	IN PROGRESS	10	24%
	RELOCATED	32	76%
	<b>TOTAL</b>	<b>42</b>	<b>100%</b>

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

### CP 4 – Right-of-Way (ROW) Summary

Construction Package	Total Needed Parcels Jul 31, 2024	Total Parcels Delivered to Date Jul 31, 2024	Remaining Parcels to be Delivered Jul 31, 2024
CP 4	223	223	0

### CP 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 Revised Baseline Schedule (RBS) Revision 3.

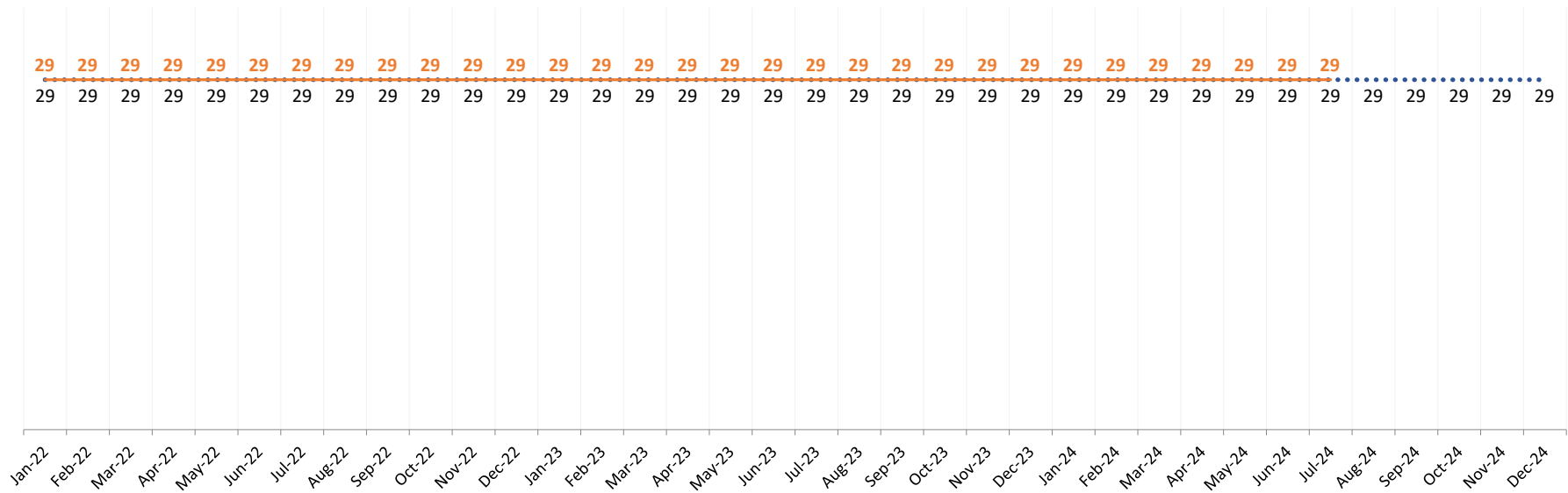
## CP 4 – Real Property/Right-of-Way (ROW) Railroad

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

Construction Package	Total Needed Railroad Parcels Jul 31, 2024	Total Railroad Parcels Delivered to Date Jul 31, 2024	Remaining Railroad Parcels to be Delivered Jul 31, 2024
CP 4	29	29	0

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

■ Actual Railroad Delivery to DB    
 ⋯⋯⋯ Planned Railroad Cumulative    
 — Actual Railroad Cumulative



# 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		
			Number	Section	Due Dates	Last Month	Current	Last Month	Current	Last Month	Current	Last Month	Current	Last Month	Current
Document Complete	Merced to Fresno	Plan Forecast % Complete	Complete Complete 100%	Complete Complete 100%	Complete Complete 100%	Complete Complete 100%	Complete Complete 100%	Complete Complete 100%	Complete Complete 100%	Complete Complete 100%	Complete Complete 100%	Complete Complete 100%	Complete Complete 100%	Complete Complete 100%	Complete Complete 100%
Document Complete	Fresno to Bakersfield	Plan Forecast % Complete	Complete Complete 100%	Complete Complete 100%	Complete Complete 100%	Complete Complete 100%	Complete Complete 100%	Complete Complete 100%	Complete Complete 100%	Complete Complete 100%	Complete Complete 100%	Complete Complete 100%	Complete Complete 100%	Complete Complete 100%	Complete Complete 100%
Document Complete	CV Electrical Interconnections	Plan Forecast % Complete	Complete Complete 100%	Complete Complete 100%	Complete Complete 100%	Complete Complete 100%	Complete Complete 100%	Complete Complete 100%	Complete Complete 100%	Complete Complete 100%	Complete Complete 100%	Complete Complete 100%	Complete Complete 100%	Complete Complete 100%	Complete Complete 100%
Document Complete	Locally Generated Alternative (F-B)	Plan Forecast % Complete	Complete Complete 100%	Complete Complete 100%	Complete Complete 100%	Complete Complete 100%	Complete Complete 100%	Complete Complete 100%	Complete Complete 100%	Complete Complete 100%	Complete Complete 100%	Complete Complete 100%	Complete Complete 100%	Complete Complete 100%	Complete Complete 100%
Document Complete	Central Valley Wye (M-F)	Plan Forecast % Complete	Complete Complete 100%	Complete Complete 100%	Complete Complete 100%	Complete Complete 100%	Complete Complete 100%	Complete Complete 100%	Complete Complete 100%	Complete Complete 100%	Complete Complete 100%	Complete Complete 100%	Complete Complete 100%	Complete Complete 100%	Complete Complete 100%
Document Complete	Bakersfield to Palmdale	Plan Forecast % Complete	Complete Complete 100%	Complete Complete 100%	Complete Complete 100%	Complete Complete 100%	Complete Complete 100%	Complete Complete 100%	Complete Complete 100%	Complete Complete 100%	Complete Complete 100%	Complete Complete 100%	Complete Complete 100%	Complete Complete 100%	Complete Complete 100%
Document Complete	Burbank to Los Angeles	Plan Forecast % Complete	Complete Complete 100%	Complete Complete 100%	Complete Complete 100%	Complete Complete 100%	Complete Complete 100%	Complete Complete 100%	Complete Complete 100%	Complete Complete 100%	Complete Complete 100%	Complete Complete 100%	Complete Complete 100%	Complete Complete 100%	Complete Complete 100%
Document Complete	San Jose to Merced	Plan Forecast % Complete	Complete Complete 100%	Complete Complete 100%	Complete Complete 100%	Complete Complete 100%	Complete Complete 100%	Complete Complete 100%	Complete Complete 100%	Complete Complete 100%	Complete Complete 100%	Complete Complete 100%	Complete Complete 100%	Complete Complete 100%	Complete Complete 100%
Document Complete	San Francisco to San Jose	Plan Forecast % Complete	Complete Complete 100%	Complete Complete 100%	Complete Complete 100%	Complete Complete 100%	Complete Complete 100%	Complete Complete 100%	Complete Complete 100%	Complete Complete 100%	Complete Complete 100%	Complete Complete 100%	Complete Complete 100%	Complete Complete 100%	Complete Complete 100%
Document Complete	Palmdale to Burbank	Plan Forecast % Complete	Complete Complete 100%	Complete Complete 100%	Complete Complete 100%	Complete Complete 100%	Complete Complete 100%	Complete Complete 100%	Complete Complete 100%	Complete Complete 100%	Complete Complete 100%	Complete Complete 100%	Complete Complete 100%	Complete Complete 100%	Complete Complete 100%
1	Los Angeles to Anaheim	Plan Forecast % Complete	Complete Complete 100%	Complete Complete 100%	Complete Complete 100%	Complete Complete 100%	Complete Complete 100%	Complete Complete 100%	Complete Complete 100%	Oct-24 Oct-24	Oct-24 Oct-24	Nov-25 Nov-25	Nov-25 Nov-25	Dec-25	Dec-25
2	Heavy Maintenance Facility (HMF)	Plan Forecast % Complete	Complete Complete 100%	Complete Complete 100%	Complete Complete 100%	Complete Complete 100%	Complete Complete 100%	TBD	TBD	TBD	TBD	TBD	TBD	TBD	TBD



# Project Development – Key Actions

## Project Development (Environmental Clearance) – Key Actions Summary

Project Section	Key Actions
<b>San Francisco To San Jose</b>	Environmental Clearance activities complete. The Authority is currently in settlement discussions for ongoing litigation activities.
<b>San Jose To Merced</b>	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.
<b>Central Valley Wye</b>	Conducted monthly progress meeting with County of Madera on Fairmead mitigation projects. Environmental Clearance activities complete. Transition to Merced Extension (Merced to Madera).
<b>Locally Generated Alternative</b>	Environmental Clearance activities complete. Transition to Bakersfield Extension (LGA).
<b>Bakersfield To Palmdale</b>	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.
<b>Palmdale To Burbank</b>	Work through NOD/ROD has been completed. Staff finalizing the Administrative Record and working towards the completion of the Final ROD.
<b>Burbank To Los Angeles</b>	Work through NOD/ROD has been completed. Project closeout activities are ongoing.
<b>Los Angeles To Anaheim</b>	During the month of July 2024 the LA-A project section team continued to work on the following Environmental and Engineering activities towards upcoming project milestones: reassessing and coordinating revisions to the project Risk Register and the project schedule, resolving outstanding comments on the basis of quantity report submitted by STV as part of the Draft Preliminary Engineering for Project Definition (PEPD), and reviewing environmental submittals and outreach documents.

## Project Development (Post-ROD) – Key Actions Summary

Project Section	Key Actions
<b>Merced Extension (Merced To Madera)</b>	Stantec Consulting Services Inc. (Stantec), under agreement HSR 22-02, continues to make progress. For the design purpose, this project is split into four segments. The 30% design for the North Segment was approved on June 28, 2024. The 30% design for the South segment is expected to be approved in September 2024. The design consultant, Stantec Inc., is consistently exceeding all three Small Business goals for this project.
<b>Fresno to Bakersfield Locally Generated Alternative (LGA)</b>	The LGA is progressing through design for the configuration footprint. The Authority and HNTB have divided the LGA Alignment into 3 specific segments. The 1st segment, Segment 1 (CRISI), identifies the corridor through Shafter associated with the CRISI Grant and parallels the BNSF facility where current at-grade crossings will be eliminated. The 2nd segment, Segment 2 (East/West Corridor), identifies the east/west alignment in Shafter between the BNSF and SR 99 Corridor up to 7th Std Rd. The 3rd segment, Segment 3 (South), captures the alignment as it tracks back to a north/south direction from 7th Std Rd, crossing the SR 99, and ending at the Station located at F St and SR 204 interchange in Bakersfield. HNTB has been issued a Limited Notice to Proceed (LNTP) for the work associated to advance the design to 60% in segment 1 and the work associated with the CRISI Grant in Shafter. The LGA team has differentiated the work to be performed under the CRISI and FSP grants respectively.