



Finance & Audit Committee

# **CENTRAL VALLEY STATUS REPORT**

June 2024 Report (Data Through April 30, 2024)

## Executive Summary

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

- April 2024 Expenditures totaled \$70.4M.
  - Construction Package 1 – Expenditures totaled \$31.3M. (Page 14)
  - Construction Package 2-3 – Expenditures totaled \$37.1M. (Page 23)
  - Construction Package 4 – Expenditures totaled \$2.0M. (Page 32)
- Total CP Cumulative Actual Expenditures – \$5,867.7 M. (Pages 12, 22, 31)
- Total Cumulative Current Contract Amount – \$7,916.4 M. (Pages 12, 22, 31)

### Change Orders

- Executed Change Orders this period – 24 for a total of \$25.3 M:
  - Construction Package 1 – 13 for a total of \$13.0 M (Page 15)
  - Construction Package 2-3 – 6 for a total of \$10.9 M (Page 24)
  - Construction Package 4 – 5 for a total of \$1.3 M (Page 33)

### Risk Contingency (Page 5)

- Approved Contingency – \$6,103.9M budgeted contract contingency. Contingency balance is \$906.3M as of data date.
  - Construction Package 1 – \$2,853.4M budgeted contract contingency. Contingency balance is \$373.3M as of data date. (Page 16)
  - Construction Package 2-3 – \$2,712.5M budgeted contract contingency. Contingency balance is \$487.5M as of data date. (Page 25)
  - Construction Package 4 – \$538.0M budgeted contract contingency. Contingency balance is \$45.4M as of data date. (Page 34)

### CP Construction Labor (Page 6)

- April 2024, Average Daily Site Workers (by Week) – 1,538 workers. An increase of 39 workers from the previous period (1,499):
  - Construction Package 1 – 336 workers. A decrease of 16 workers from the previous month (352). (Page 17)
  - Construction Package 2-3 – 1,068 workers. An increase of 40 workers from the previous month (1,028). (Page 26)
  - Construction Package 4 – 134 workers. An increase of 15 workers from the previous month (119). (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 – 79 underway/construction complete compared to 93 structures total (85%). No change from the previous period.
  - Construction Package 1 – 28 structures underway/construction complete (10 underway, 18 completed).
  - Construction Package 2-3 – 40 structures underway/construction complete (24 underway, 16 completed).
  - Construction Package 4 – 11 of 11 structures completed.
- Guideway – 91 miles underway/construction complete compared to 119 miles total (76%). No change from the previous period.
  - Construction Package 1 – 20 miles underway/construction complete (18 underway, 2 completed).
  - Construction Package 2-3 – 49 miles underway/construction complete (15 underway, 34 completed).
  - Construction Package 4 – 22 miles underway/construction complete (1 underway, 21 completed).

**Utility Relocations Status (Page 8)**

- Relocated: 1,324 (72%); In Progress: 243 (13%); Approved to Start: 0 (0%); Not Started: 269 (15%); Total: 1,836. A total of 10 relocated in April 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: 668 (67%); In Progress: 175 (18%); Approved to Start: 0 (0%); Not Started: 149 (15%); Total: 992.
  - Construction Package 2-3 – Relocated: 524 (75%); In Progress: 57 (8%); Approved to Start: 0 (0%); Not Started: 120 (17%); Total: 701.
  - Construction Package 4 – Relocated: 132 (92%); In Progress: 11 (8%); 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 – 2,263 parcels compared to an estimated 2,288 parcels needed.
- Parcels Delivered to Design-Builder (DB) – One parcel from CP 1 in April 2024.
- Construction Packages 1-4 – Zero parcels added 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 April 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)**

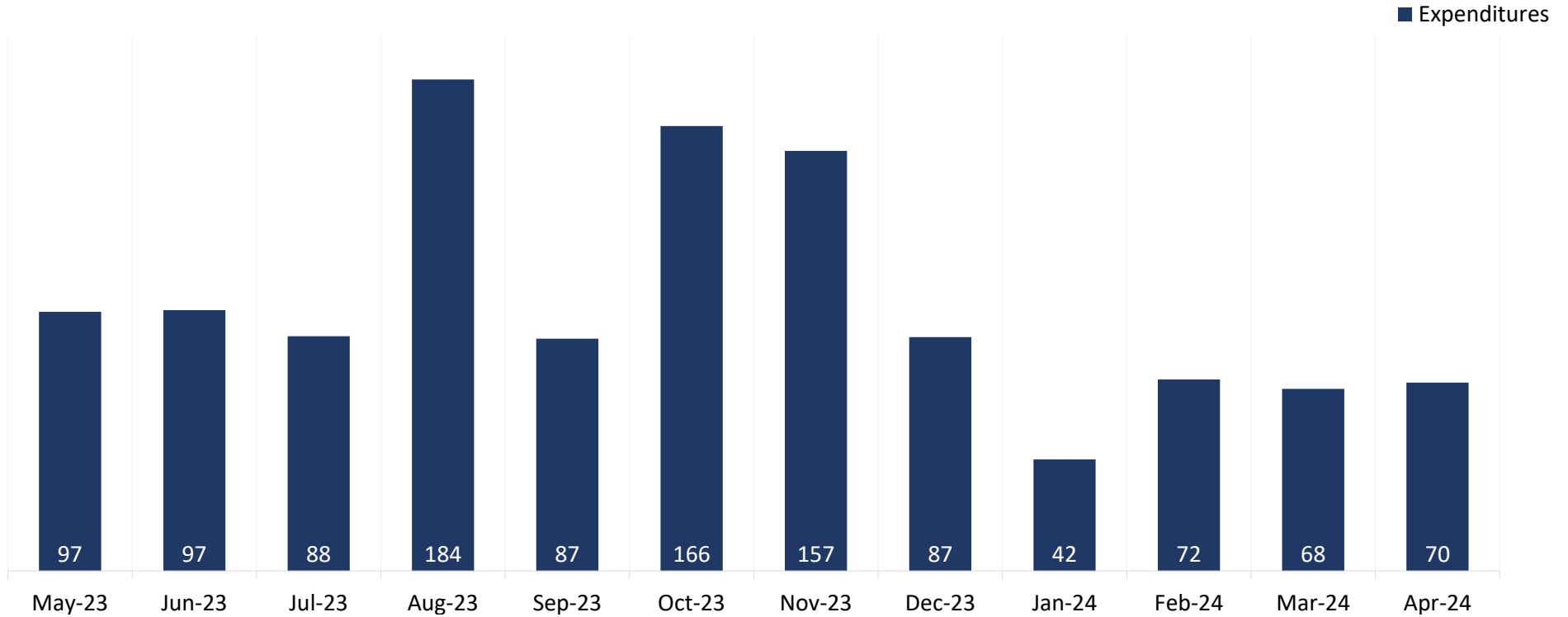
- San Francisco to San Jose – Work through NOD/ROD has been completed. Staff finalizing the Administrative Record.
- San Jose to Merced – Work through NOD/ROD has been completed. Staff finalizing the Administrative Record.
- Bakersfield to Palmdale – Work through NOD/ROD has been completed. Continued meeting with key stakeholders, including the Center for Biological Diversity.
- Palmdale to Burbank – The Authority and the Regional Consultant teams worked on resolving outstanding technical issues and finalizing the 4 Volumes of the Final EIR/EIS which is to be released to the public in May 2024. The Authority consulted with the Regulatory Agencies on obtaining the required Permits from them. The Team also started work on the preparation of the materials for the Executive Briefings and Board Presentations.
- Burbank to Los Angeles – Work through NOD/ROD has been completed. Project closeout activities are ongoing.
- Los Angeles to Anaheim – Admin Draft EIR/EIS scheduled for early summer 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 30, 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, 2023. NTP-2 (to advance to 100% design and construction ready documents in Stage 4) was issued on April 29, 2024.
- 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. HNTB has submitted the Preliminary alignment Footprint to the Authority and a workshop for Authority staff will be held in June 2024 to refine the design elements. Draft 30% Street Improvement Plan Package for Segment 1 has been received. Design Baseline Report is under development. CRISI-NTP -2: Final TSRs are being progressed. Geotech boring plan is being prepared and Geotech information will be paired with final TSRs.

## CP 1-4 – Design-Build Expenditures

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

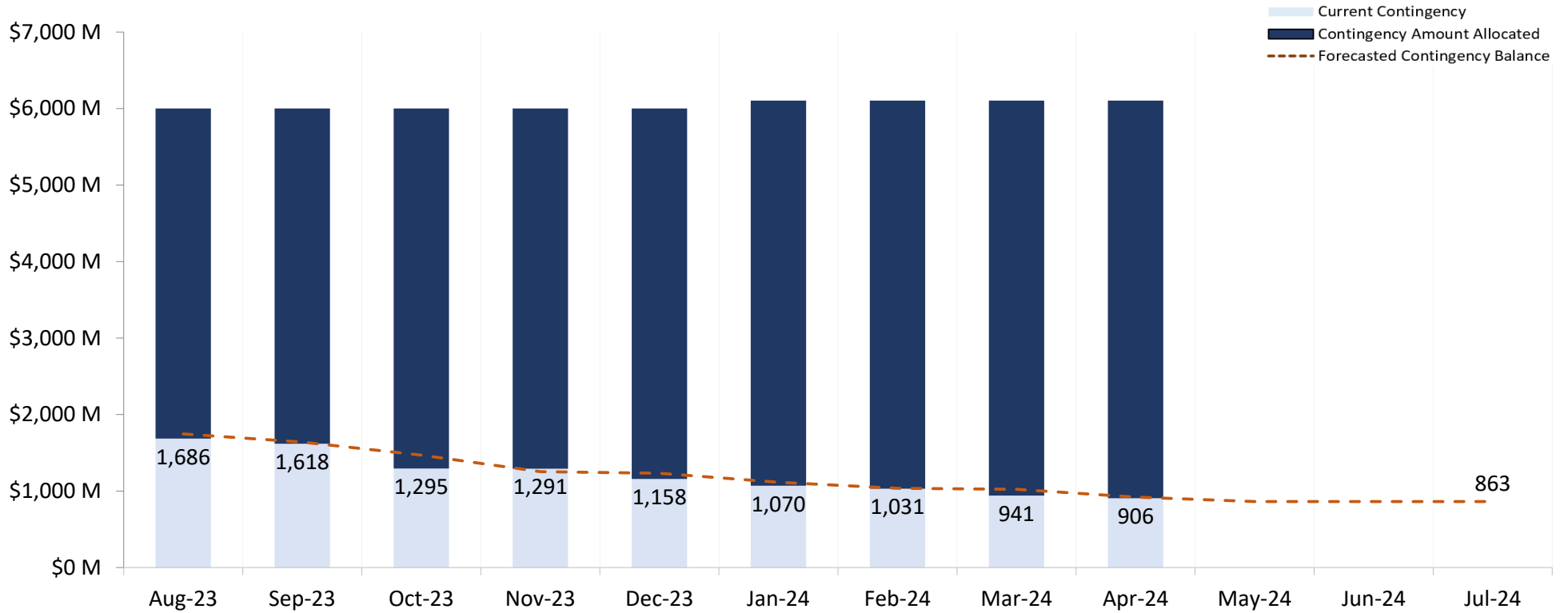


**Notes:**

1. April 2024 Expenditures totaled \$70.4M.
  - a. Construction Package 1 – Expenditures totaled \$31.3M.
  - b. Construction Package 2-3 – Expenditures totaled \$37.1M.
  - c. Construction Package 4 – Expenditures totaled \$2.0M.

## CP 1-4 – Risk Contingency

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

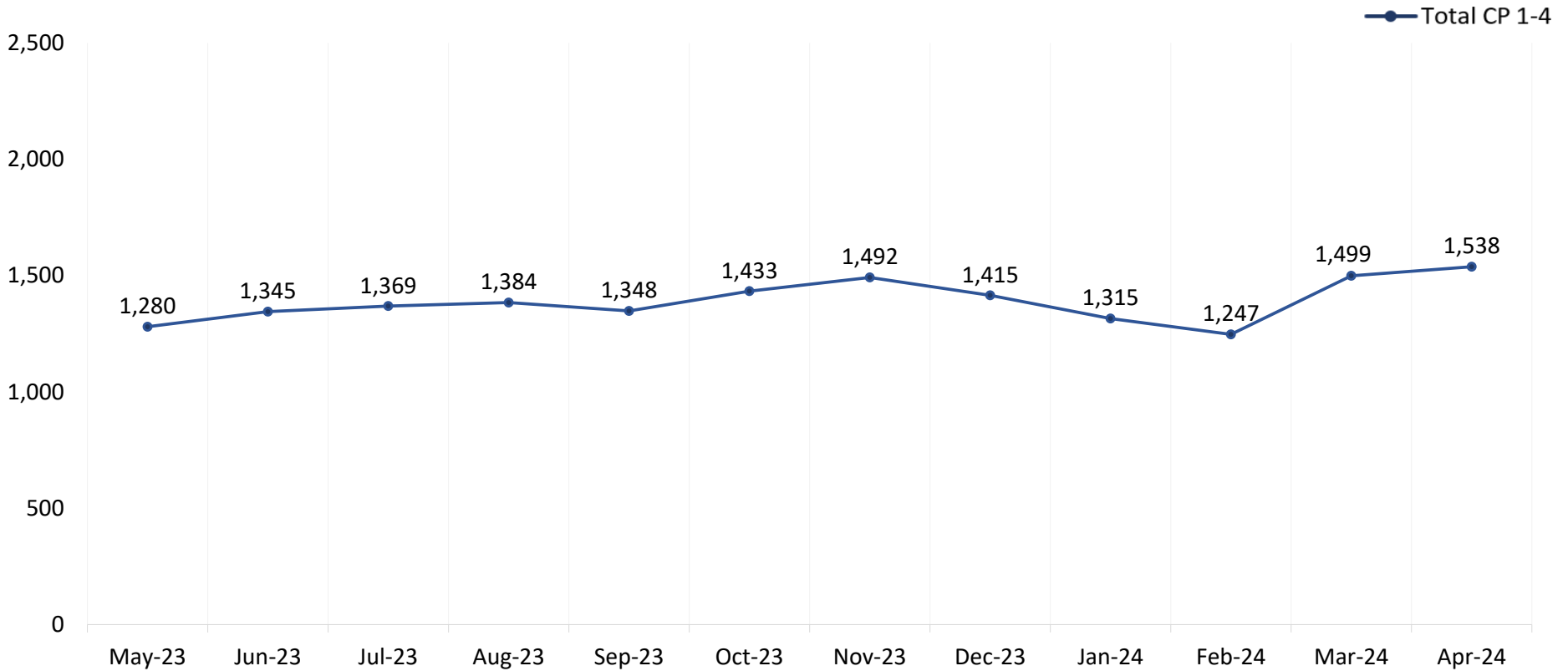


#### Notes:

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 \$6,103.9 M.
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)

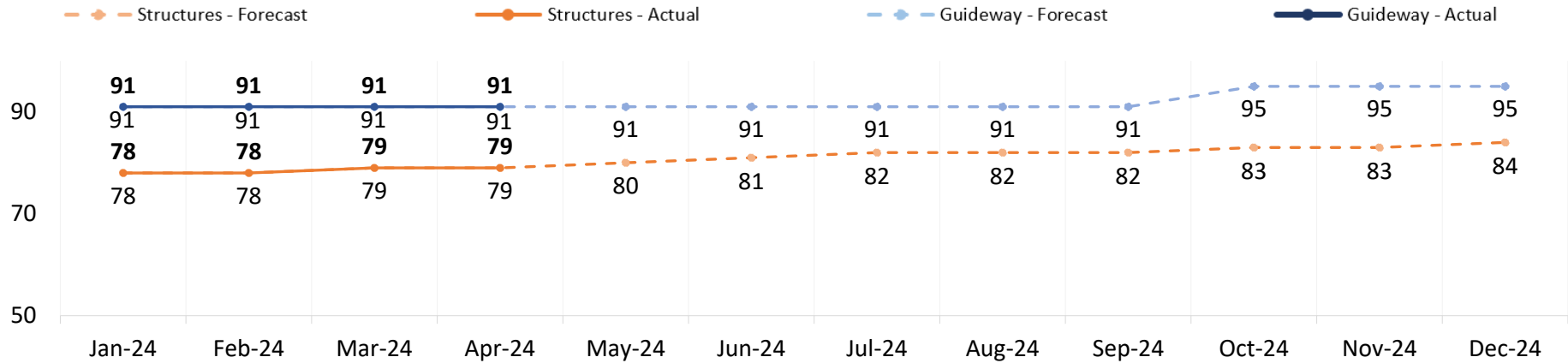


**Notes:**

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. April 2024, Average Daily Site Workers (by week) – 1,538 workers. An increase of 39 workers from the previous period (1,499).
  - a. Construction Package 1 (Page 17) – 336 workers. A decrease of 16 workers from the previous month (352).
  - b. Construction Package 2-3 (Page 26) – 1,068 workers. An increase of 40 workers from the previous month (1,028).
  - c. Construction Package 4 (Page 36) – 134 workers. An increase of 15 workers from the previous month (119).

## 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	34	1	21	34	57	91
Structures	10	18	24	16	0	11	34	45	79

**Notes:**

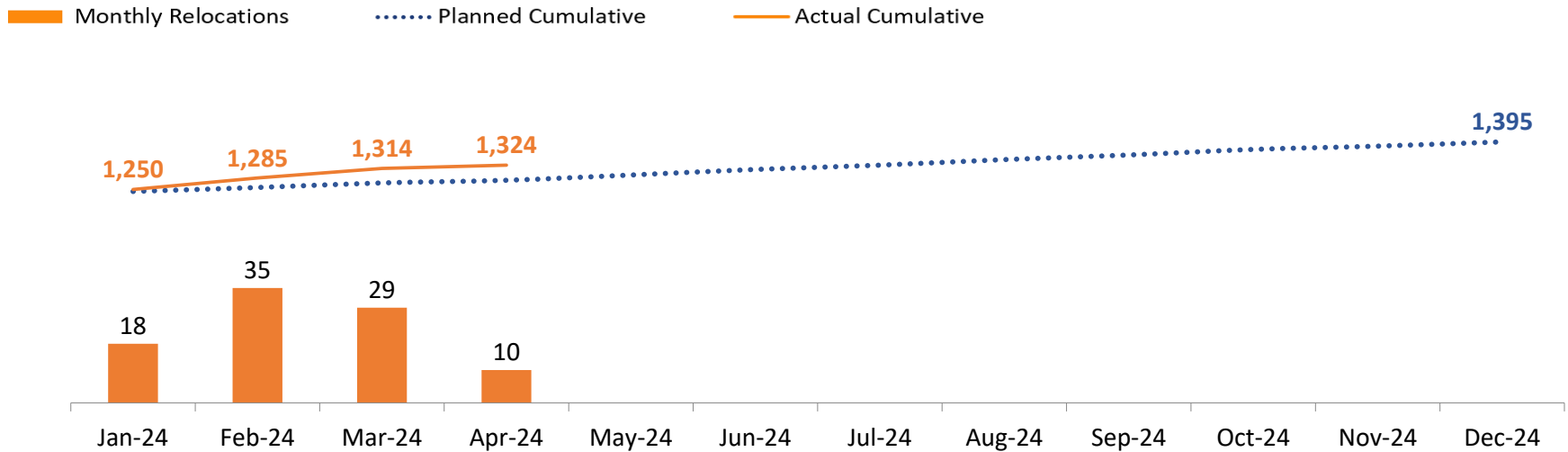
1. Construction Complete definition:
  - a. Structure Completion – all concrete work is complete.
  - b. Guideway Completion – earthworks complete with rough grading.
2. Total Structures: 93
3. Structures – 79 underway/construction complete compared to 93 structures total (85%).
  - a. CP 1 – 28 structures underway/construction complete.
  - b. CP 2-3 – 40 structures underway/construction complete.
  - c. CP 4 – 11 of 11 structures completed.
4. Total Guideway: approximately 119 miles
5. Guideway – 91 miles underway/construction complete compared to 119 miles total (76%).
  - a. CP 1 – 20 miles underway/construction complete.
  - b. CP 2-3 – 49 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 – Right-of-Way (ROW) Summary

Construction Package	Total Relocations April 30, 2024	Total Utilities Relocated to Date April 30, 2024	Remaining Utility Relocations April 30, 2024
CP 1	992	668	324
CP 2-3	701	524	177
CP 4	143	132	11
<b>Total</b>	<b>1,836</b>	<b>1,324</b>	<b>512</b>

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





## CP 1-4 – Construction Progress

### CP 1-4 – Summary by Utility Type

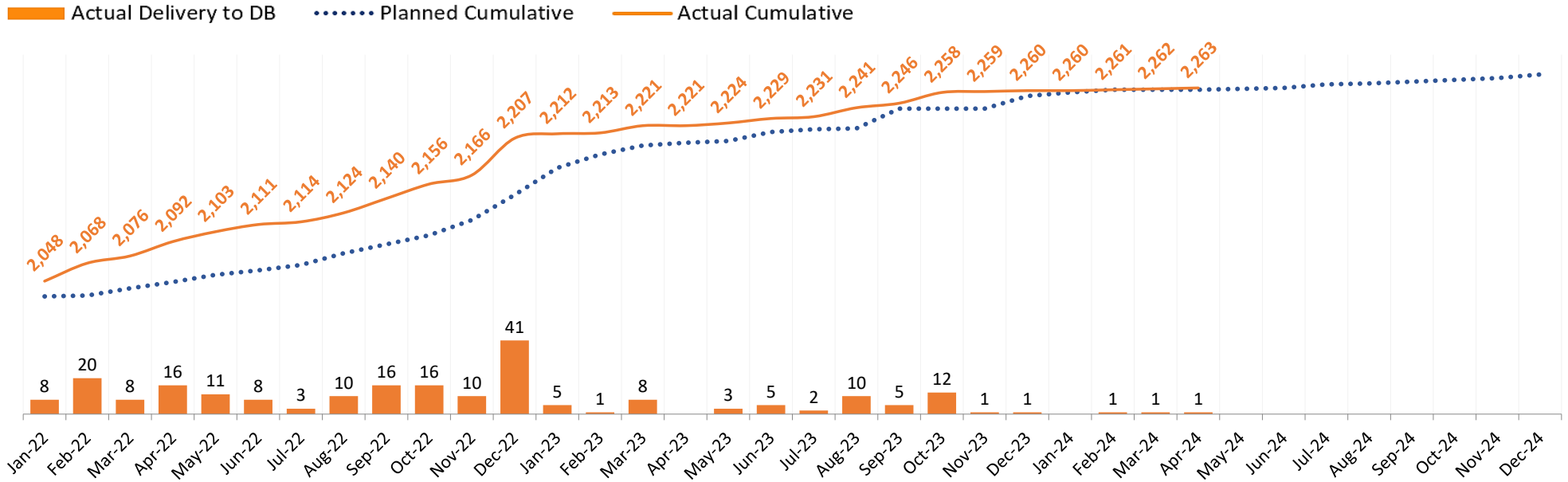
Utility	Status	CP 1	CP 2-3	CP 4	CP 1 - 4 Total	Percentage
<b>Electric</b>	NOT STARTED	62	96	0	158	24%
	APPROVED TO START	0	0	0	0	0%
	IN PROGRESS	18	30	0	48	7%
	RELOCATED	135	258	62	455	69%
	<b>TOTAL</b>	<b>215</b>	<b>384</b>	<b>62</b>	<b>661</b>	<b>100%</b>
<b>Gas</b>	NOT STARTED	17	9	0	26	21%
	APPROVED TO START	0	0	0	0	0%
	IN PROGRESS	26	0	0	26	21%
	RELOCATED	48	18	7	73	58%
	<b>TOTAL</b>	<b>91</b>	<b>27</b>	<b>7</b>	<b>125</b>	<b>100%</b>
<b>Telecom</b>	NOT STARTED	32	2	0	34	5%
	APPROVED TO START	0	0	0	0	0%
	IN PROGRESS	49	17	0	66	10%
	RELOCATED	334	214	32	580	85%
	<b>TOTAL</b>	<b>415</b>	<b>233</b>	<b>32</b>	<b>680</b>	<b>100%</b>
<b>Wet</b>	NOT STARTED	38	13	0	51	14%
	APPROVED TO START	0	0	0	0	0%
	IN PROGRESS	82	10	11	103	28%
	RELOCATED	151	34	31	216	58%
	<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 April 30, 2024	Total Parcels Delivered to Date April 30, 2024	Remaining Parcels to be Delivered April 30, 2024	Percentage Delivered
CP 1	1,078	1,066	12	99%
CP 2-3	987	974	13	99%
CP 4	223	223	0	100%
<b>Total</b>	<b>2,288</b>	<b>2,263</b>	<b>25</b>	<b>99%</b>

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



**Notes:**

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

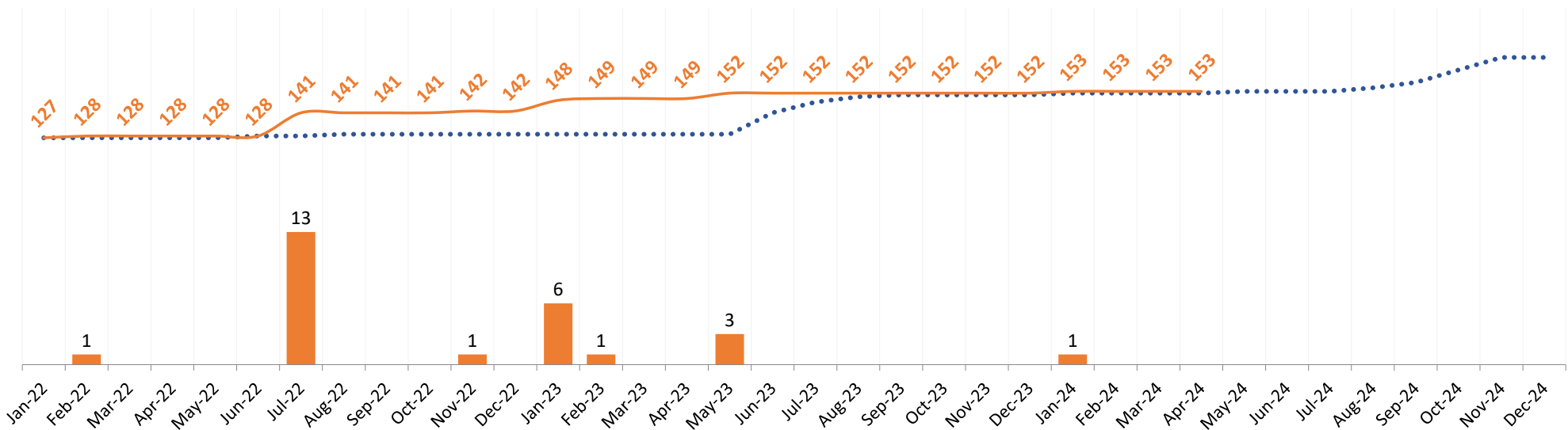
## CP 1-4 – Real Property/Right-of-Way (ROW) Railroad

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

Construction Package	Total Needed Railroad Parcels April 30, 2024	Total Railroad Parcels Delivered to Date April 30, 2024	Remaining Railroad Parcels to be Delivered April 30, 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:	\$2,679,644,972.85
Current Contract Amount:	\$3,702,632,972.85
Approved Invoices to Date:	\$2,507,760,719.94
<b>Remaining Contract Balance:</b>	<b>\$1,194,872,252.91</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 04/30/2024):	3,850

#### Expended to Date

Description	Percentage
Time <sup>(3)</sup> :	80.4%
Dollars:	67.7%

#### Growth Percentage

Description	Percentage
Time <sup>(3)</sup> :	194.0%
Dollars:	261.9%

#### Notes:

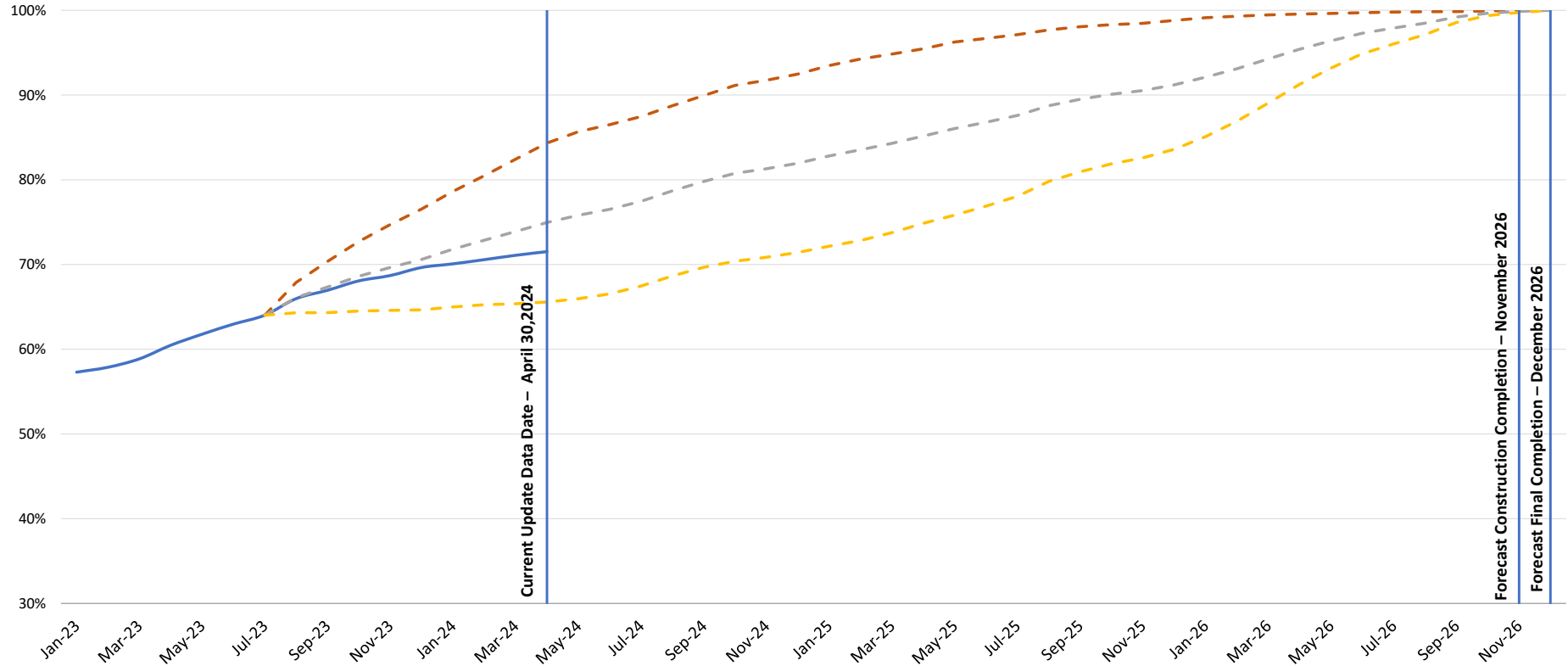
1. Data in this section is sourced from data provided by the PCM – Monthly Status Report.
2. Updated per the accepted Revised Baseline Schedule (RBS) Revision 4.
3. Contract Time Status (Extension of Time Awarded and Current Contract Days), Expended to Date (Time), and Growth Percentage (Time) calculation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

## CP 1 – Earned Value

### CP 1 – Earned Value Summary (%)

- Actual EV (%)
- RBS 4 - Early (%)
- RBS 4 - Planned (%)
- RBS 4 - Late (%)

Schedule Performance Index	Planned Value	Actual Earned Value
<b>0.95</b>	<b>75%</b>	<b>72%</b>

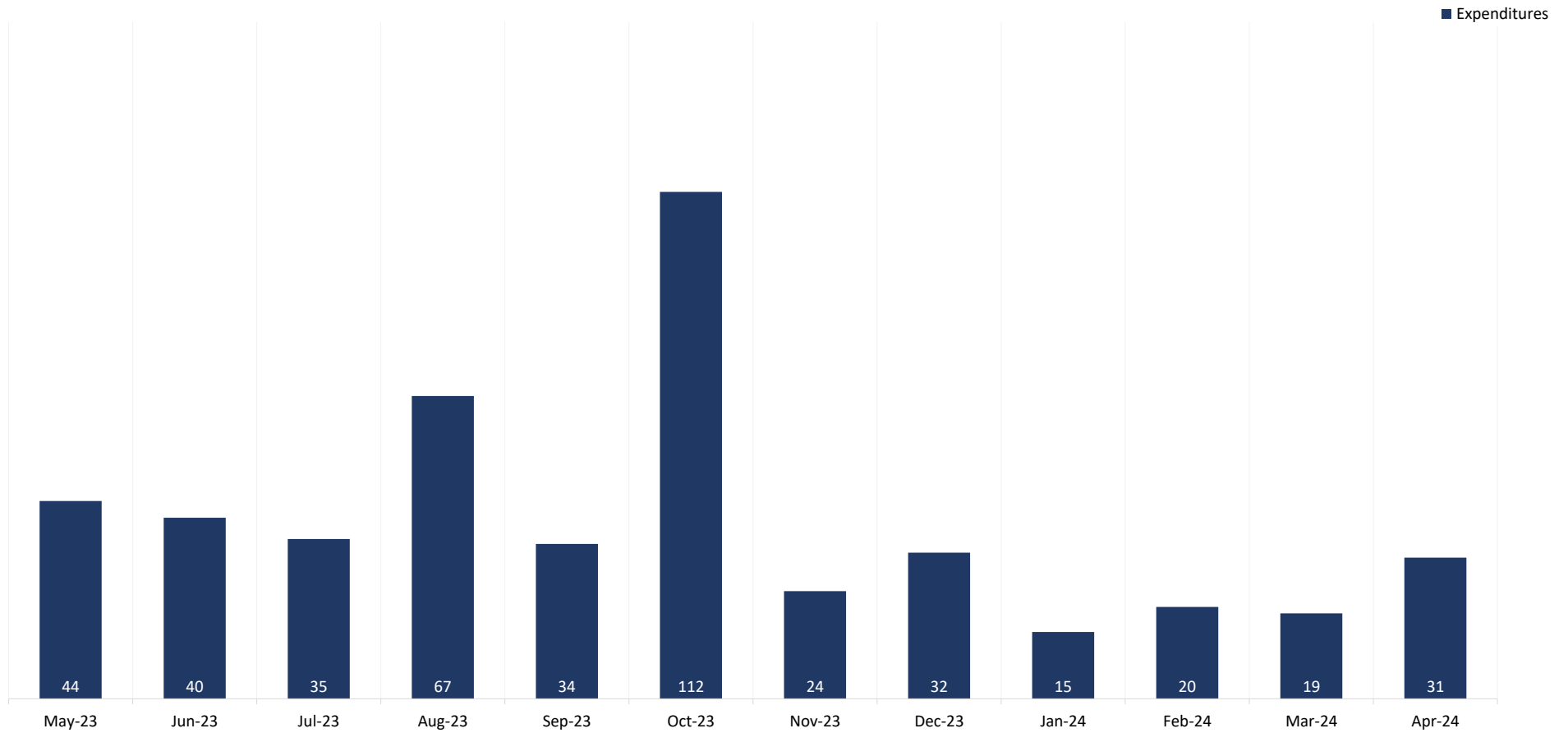


**Notes:**

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:**
- Expenditures in the chart above are specific to the Design-Builder production and based on the Capital Outlay and Expenditure Report.
  - Expenditures totaled \$31.3M.

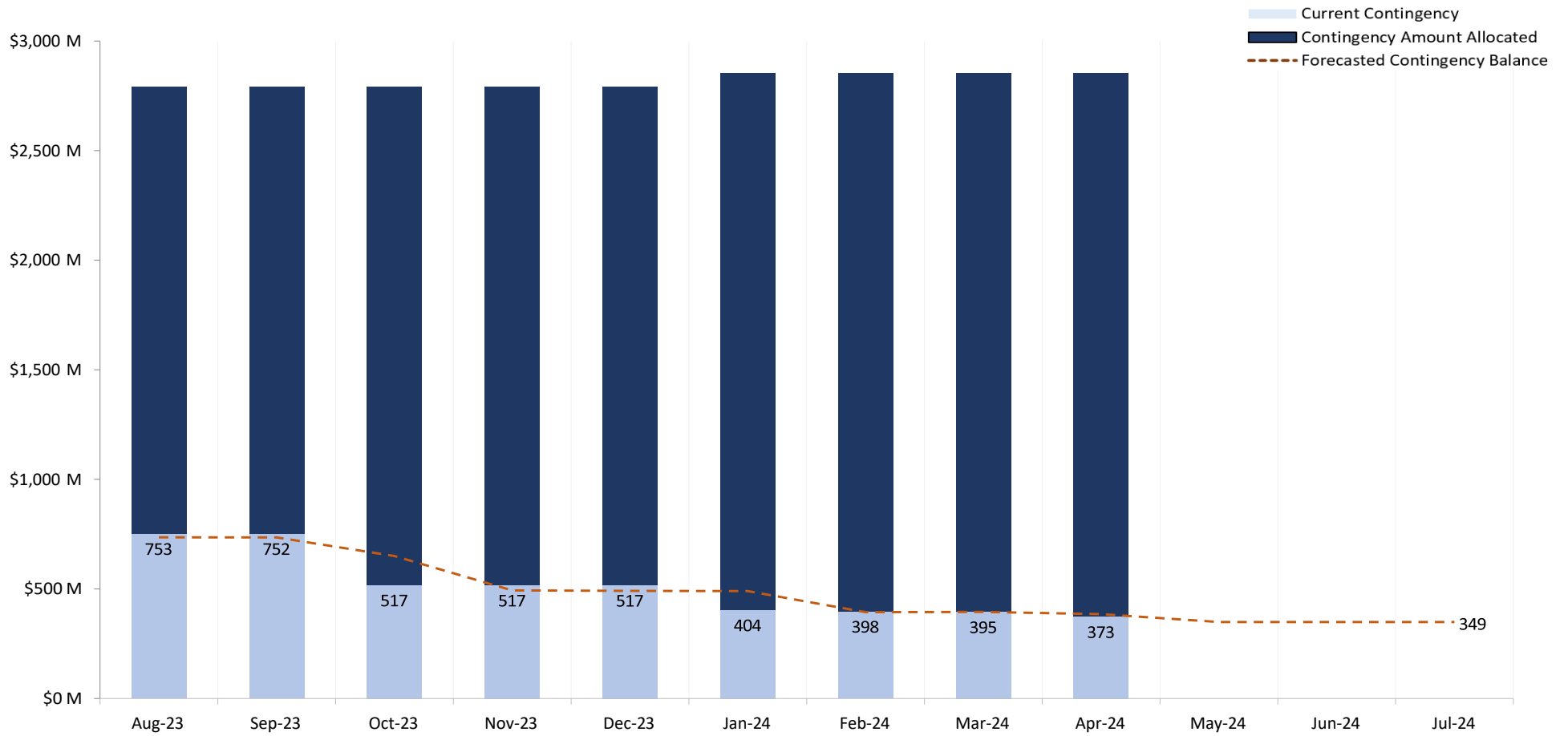
## CP 1 – Change Orders (CO)

### CP 1 – Change Order Status

CO Number	Title	Change Status	Amount	Executed Date
89.09	MVWC Waterline Relocation at Road 27 - Construction Phase 2	Executed	\$2,310,676.00	4/25/2024
89.1	Road 27 Fiber Optic Relocation for Level 3 Subtask 1.03 - Third Party Cost	Executed	\$1,045,158.00	4/25/2024
523	DL-0226 COF Intelligent Transport system (ITS) Fresno Street	Executed	\$22,798.00	4/2/2024
526	TIA Gap Additional Design Overhead and ESDC Costs	Executed	\$5,000,000.00	4/26/2024
533	Comcast at China Alley and Fresno Street	Executed	\$42,321.00	4/17/2024
534	Additional Light Plants for BNSF at SS1-109 and SDA-11083 Night Work	Executed	\$3,248.00	4/2/2024
535	FMFCD Drainage Fees, CP1 Drainage Facilities Deal Points at American Ave - Construction	Executed	\$2,284,230.00	4/12/2024
536	COF Bike Lane Comments at Church Ave & GSB Grade Separation	Executed	\$17,420.00	4/11/2024
537	UPRR Redesign Retaining Walls Herndon Avenue UPRR Bridge - Construction	Executed	\$174,689.00	4/25/2024
538	RR - UPRR - Kinder Morgan Utility Relocations @ Dry Creek	Executed	\$503,120.33	4/23/2024
539	Caltrans 2.5 Mile Segment Utility Grounding and Cathodic Protection	Executed	\$403,951.00	4/12/2024
540	Intrusion Protection Requirements - DL-122 R6 Construction Only	Executed	\$1,208,115.00	4/24/2024
541	COF Video Detection System and New Cabinet at Mariposa & H Streets	Executed	\$22,257.00	4/23/2024
<b>TOTAL</b>			<b>\$13,037,983.33</b>	

## CP 1 – Risk Contingency

### CP 1 – Risk Contingency Status (\$ Millions)



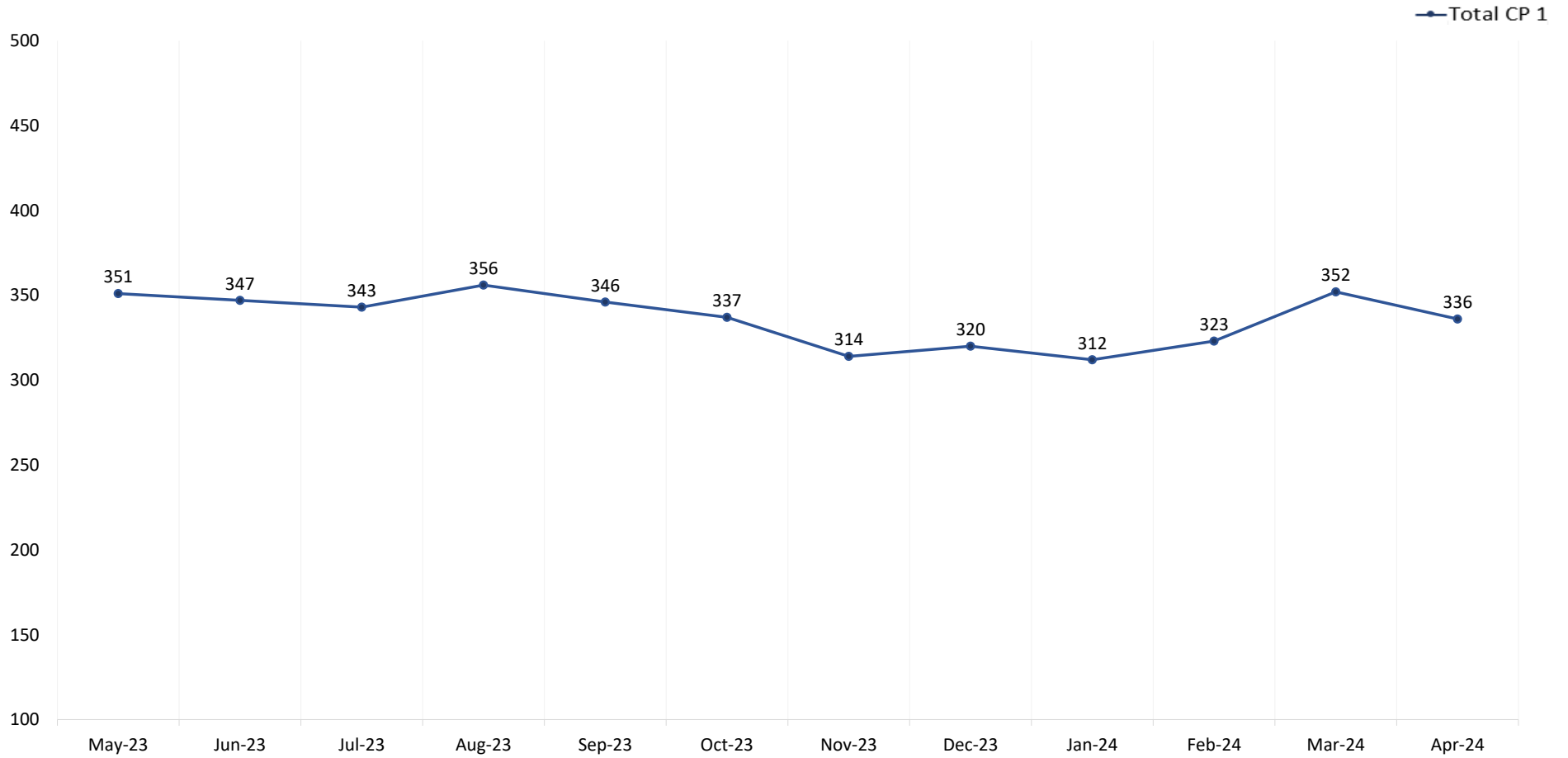
**Notes:**

1. January 2024 contingency data reflects the January 18, 2024 Board Total Expenditure Authorization which increased the total CP 1 budgeted contract contingency to \$2,853.4 M.
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)



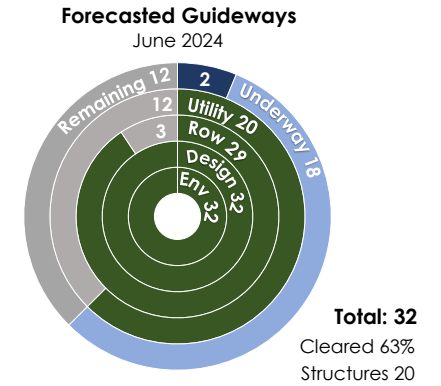
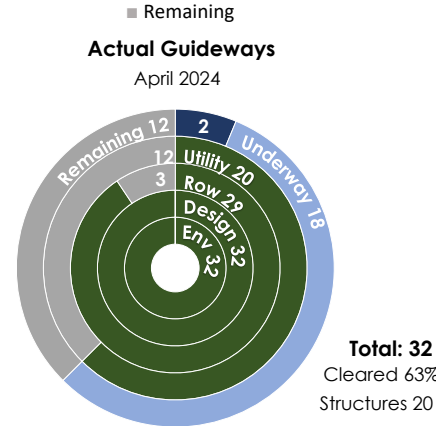
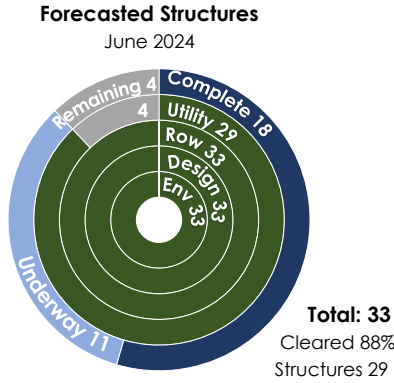
**Notes:**

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. A decrease of 16 workers from the previous month (352).

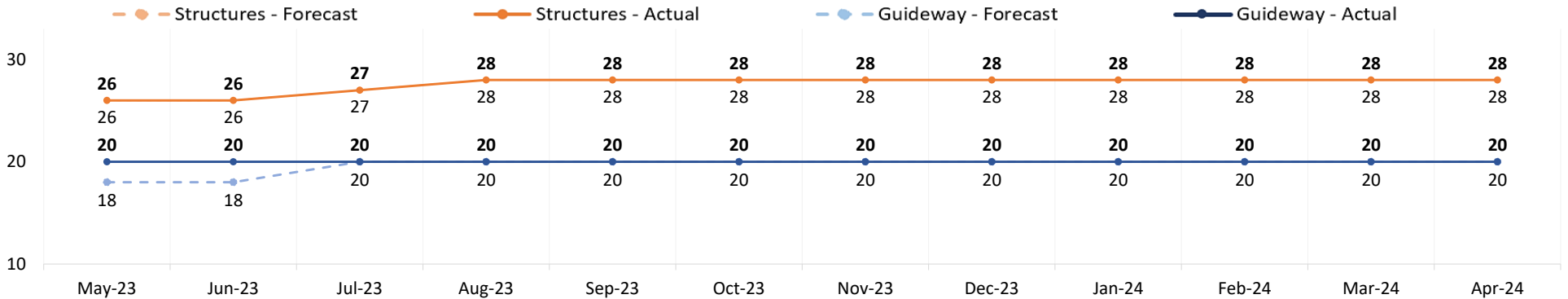
## CP 1 – Construction Progress

### 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
  - 28 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 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	149	15%
Total Utilities Approved to Start	0	0%
Total Utilities in Progress	175	18%
Total Utilities Relocated	668	67%
<b>Total</b>	<b>992</b>	<b>100%</b>

### CP 1 – Summary by Utility Type

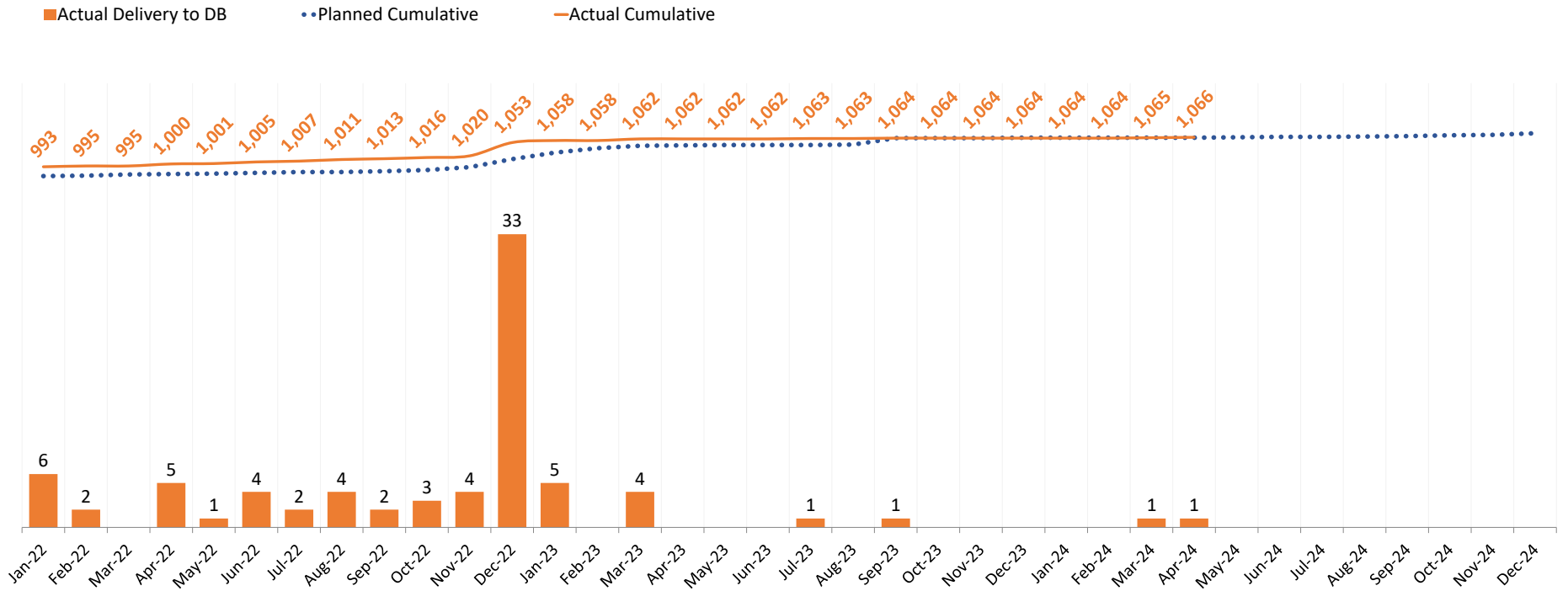
Utility	Status	Utility Relocations	Percentage
<b>Electric</b>	NOT STARTED	62	29%
	APPROVED TO START	0	0%
	IN PROGRESS	18	8%
	RELOCATED	135	63%
	<b>TOTAL</b>	<b>215</b>	<b>100%</b>
<b>Gas</b>	NOT STARTED	17	18%
	APPROVED TO START	0	0%
	IN PROGRESS	26	29%
	RELOCATED	48	53%
	<b>TOTAL</b>	<b>91</b>	<b>100%</b>
<b>Telecom</b>	NOT STARTED	32	8%
	APPROVED TO START	0	0%
	IN PROGRESS	49	12%
	RELOCATED	334	80%
	<b>TOTAL</b>	<b>415</b>	<b>100%</b>
<b>Wet</b>	NOT STARTED	38	14%
	APPROVED TO START	0	0%
	IN PROGRESS	82	30%
	RELOCATED	151	56%
	<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	Total Parcels Delivered to Date	Remaining Parcels to be Delivered
	April 30, 2024	April 30, 2024	April 30, 2024
CP 1	1,078	1,066	12

### 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.

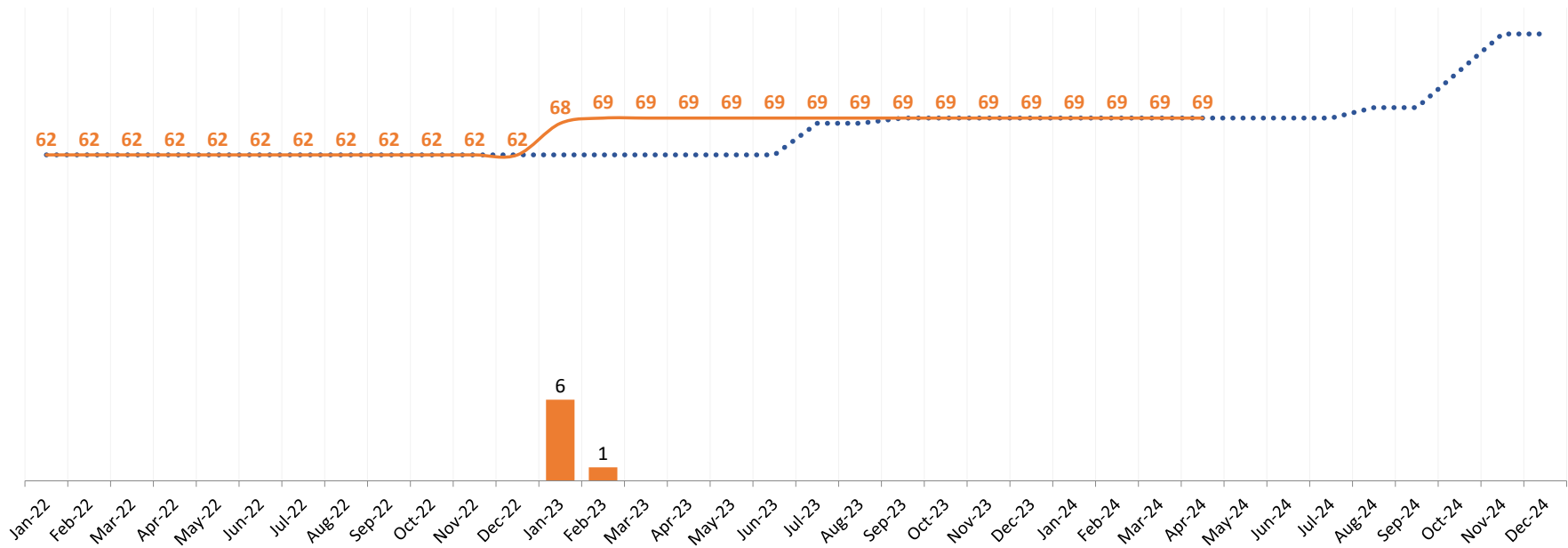
## CP 1 – Real Property/Right-of-Way (ROW) Railroad

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

Construction Package	Total Needed Railroad Parcels	Total Railroad Parcels Delivered to Date	Remaining Railroad Parcels to be Delivered
	April 30, 2024	April 30, 2024	April 30, 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:	\$2,033,631,674.59
Current Contract Amount:	\$3,398,967,564.59
Approved Invoices to Date:	\$2,559,377,570.59
<b>Remaining Contract Balance:</b>	<b>\$839,589,994.00</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 04/30/2024):	3,202

#### Expended to Date Percentage

Description	Percentage
Time <sup>(3)</sup> :	82.3%
Dollars:	75.3%

#### Growth Percentage

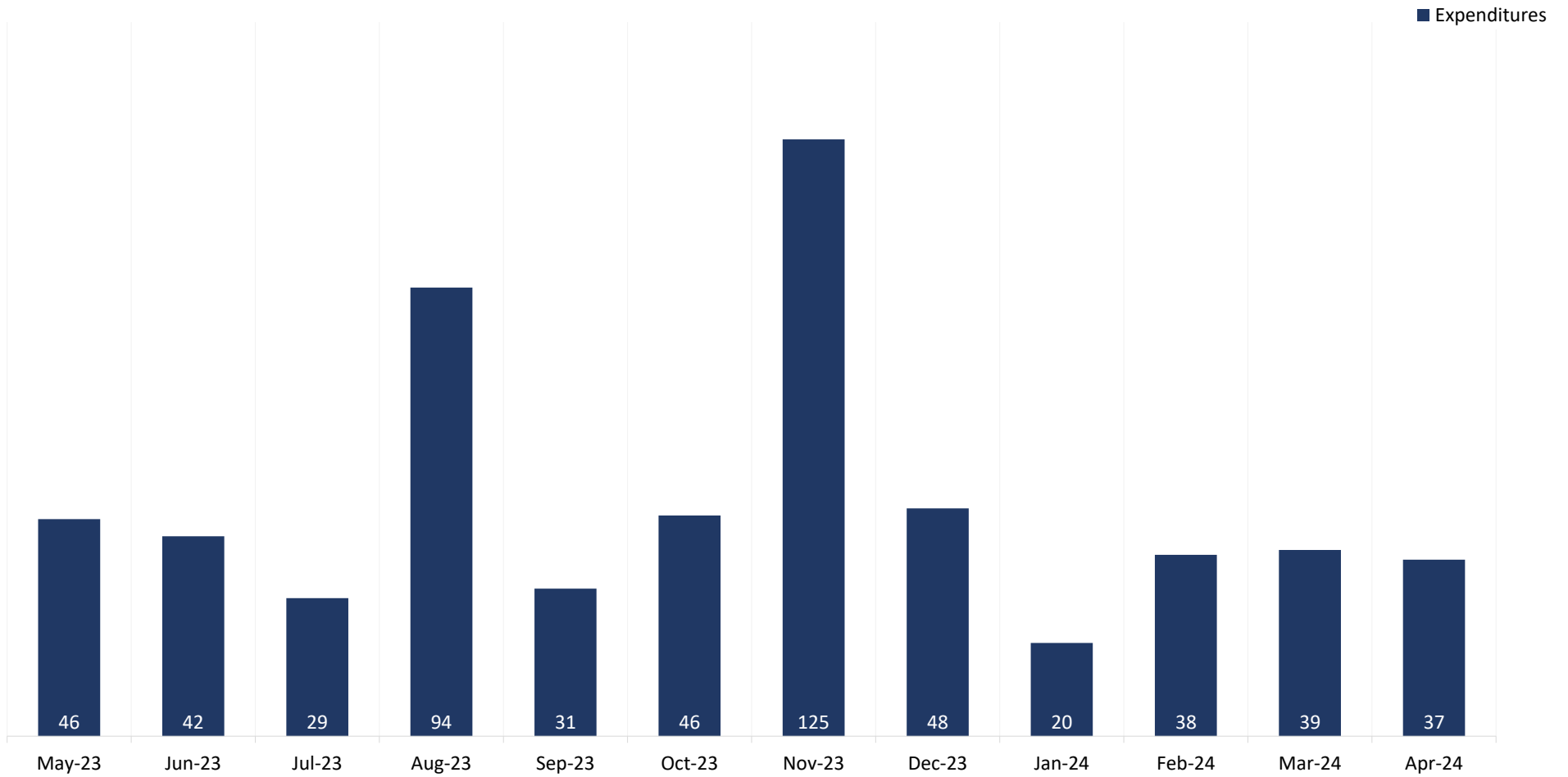
Description	Percentage
Time <sup>(3)</sup> :	161.9%
Dollars:	148.9%

#### 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:**
- Expenditures in the chart above are specific to the Design-Builder production and based on the Capital Outlay and Expenditure Report.
  - Expenditures totaled \$37.1M.

## CP 2-3 – Change Orders (CO)

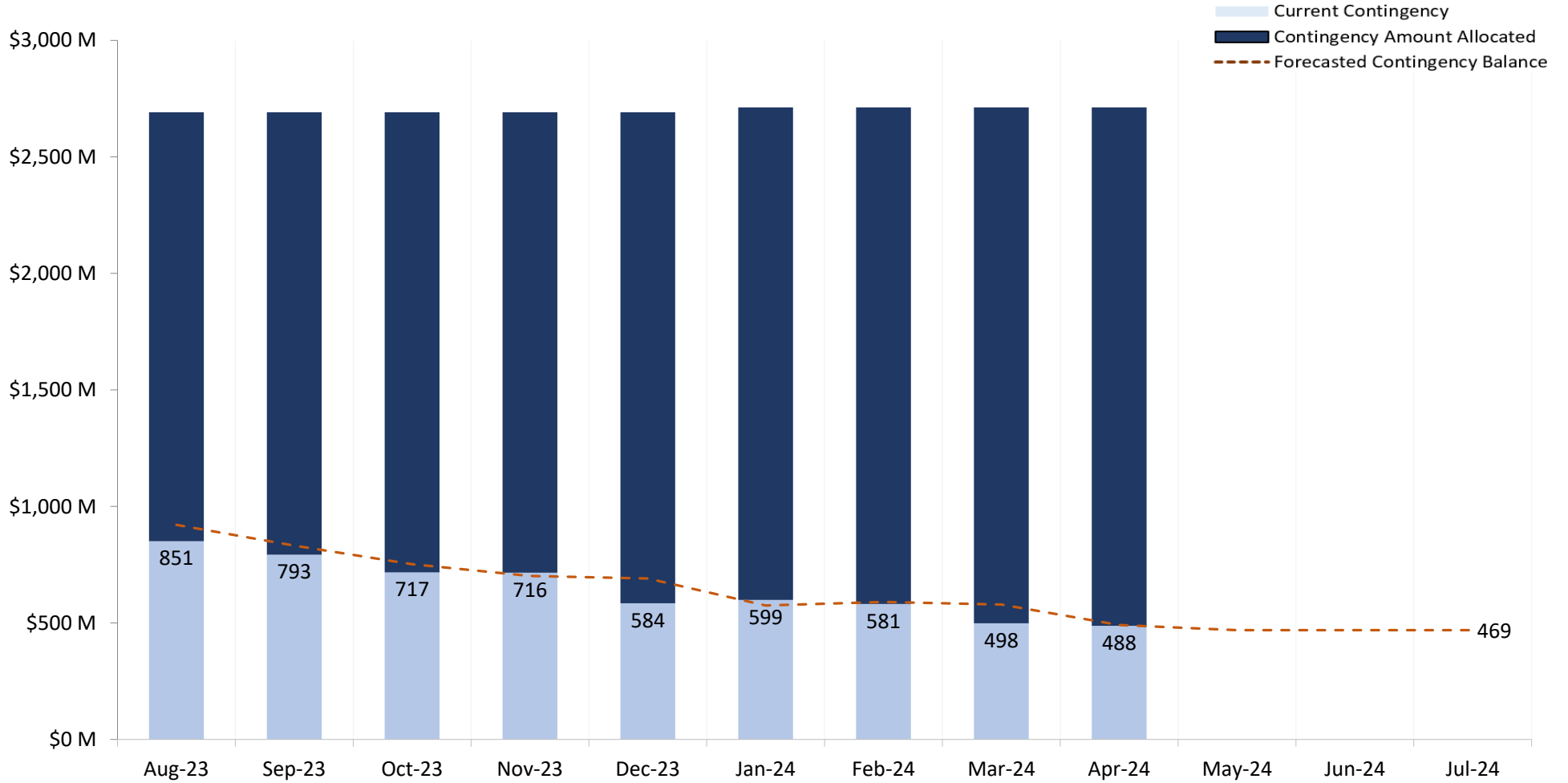
### CP 2-3 – Change Order Status

CO Number	Title	Change Status	Amount	Executed Date
369.5	Tule River Viaduct – PG&E Overhead Utility Impacts – Remobilization	Executed	\$391,028.00	4/29/2024
369.6	Tule River Viaduct – GBR-B vs. GRB-C Differences (Dispute 75)	Executed	\$7,437,500.00	4/27/2024
137.2	Secondary Storage Yard Additional Crane Rental and Loadout	Executed	\$1,828,156.00	4/23/2024
375.1	Lumen: Overholser to Kamm Ave Costs	Executed	\$681,840.00	4/18/2024
369.4	BNSF Track Maintenance Impacts – Tule River Viaduct	Executed	\$336,949.00	4/10/2024
372.1	Regrading at Kent and Kansas Avenue Overhead Structures	Executed	\$250,000.00	4/3/2024
<b>TOTAL</b>			<b>\$10,925,473.00</b>	



## CP 2-3 – Risk Contingency

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

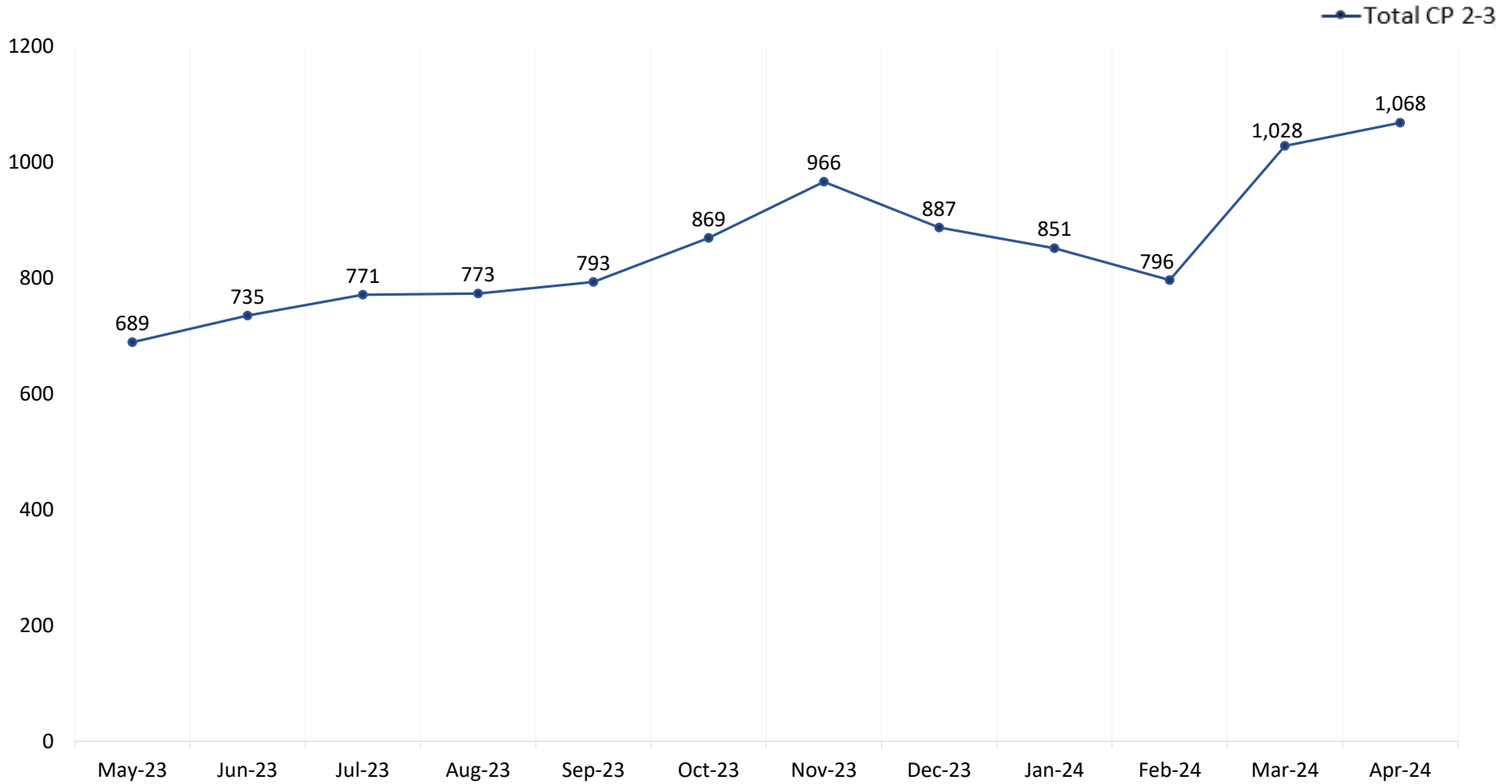


**Notes:**

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 \$2,712.5 M.
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)



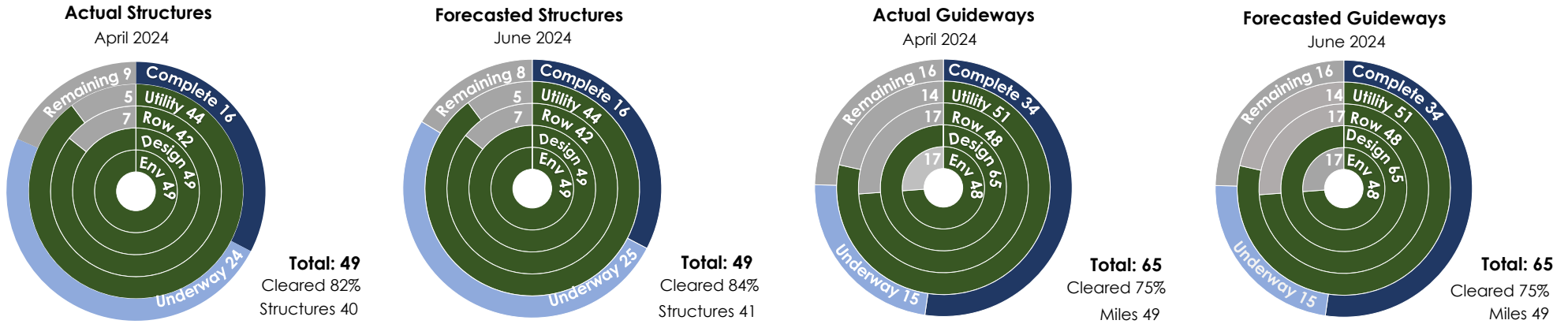
**Notes:**

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. An increase of 40 workers from the previous month (1,028).

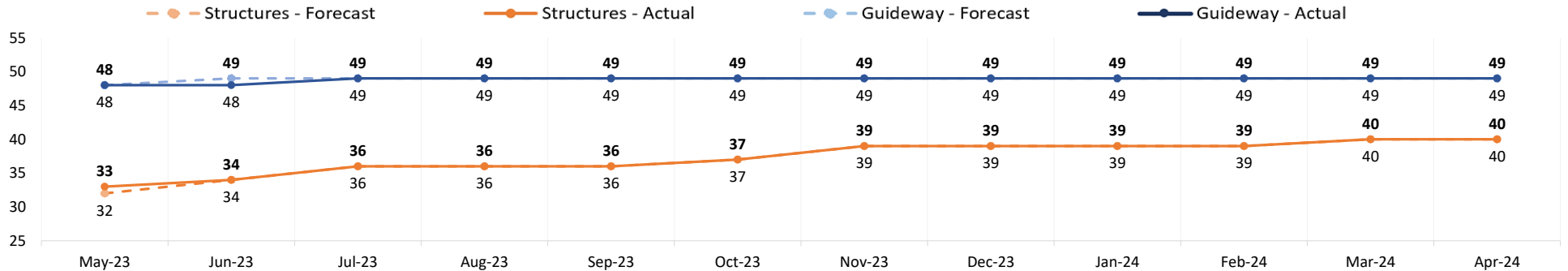
## CP 2-3 – Construction Progress

### 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:
  - 40 structures underway/construction complete.
- Total Guideway: 65 miles:
  - 49 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	120	17%
Total Utilities Approved to Start	0	0%
Total Utilities in Progress	57	8%
Total Utilities Relocated	524	75%
<b>Total</b>	<b>701</b>	<b>100%</b>

### CP 2-3 – Summary by Utility Type

Utility	Status	Utility Relocations	Percentage
Electric	NOT STARTED	96	25%
	APPROVED TO START	0	0%
	IN PROGRESS	30	8%
	RELOCATED	258	67%
	<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	10	17%
	RELOCATED	34	60%
	<b>TOTAL</b>	<b>57</b>	<b>100%</b>

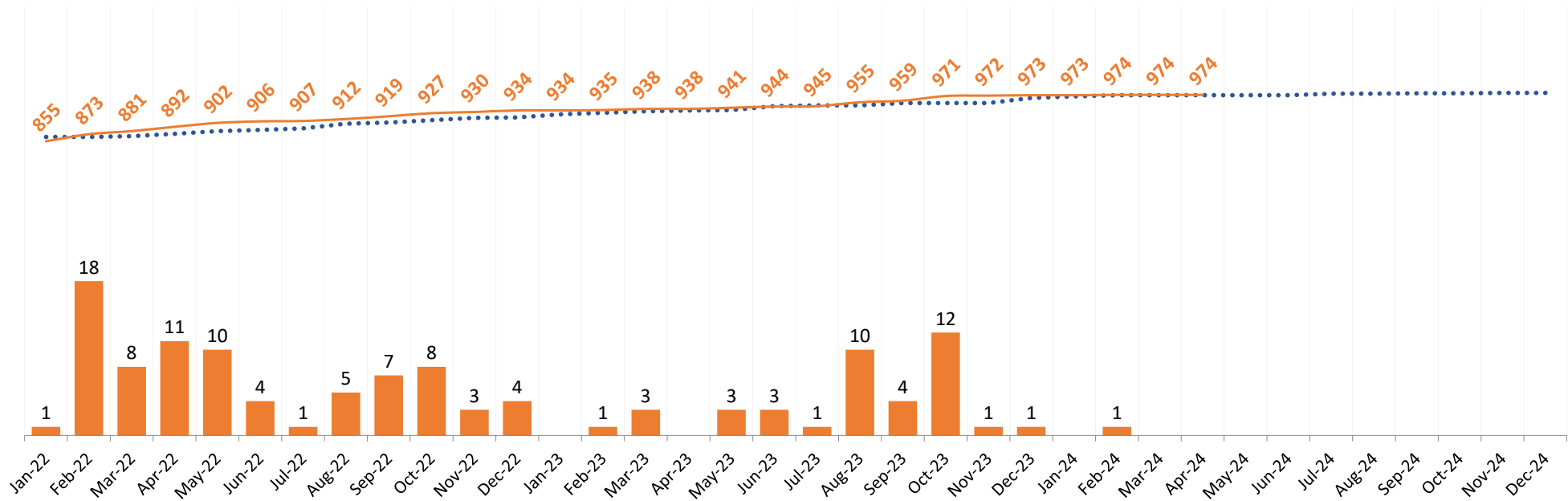
## CP 2-3 – Real Property/Right-of-Way (ROW)

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

Construction Package	Total Needed Parcels	Total Parcels Delivered to Date	Remaining Parcels to be Delivered
	April 30, 2024	April 30, 2024	April 30, 2024
CP 2-3	987	974	13

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

■ Actual Delivery to DB   
 ⋯ Planned Cumulative   
 — Actual Cumulative



**Notes:**

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

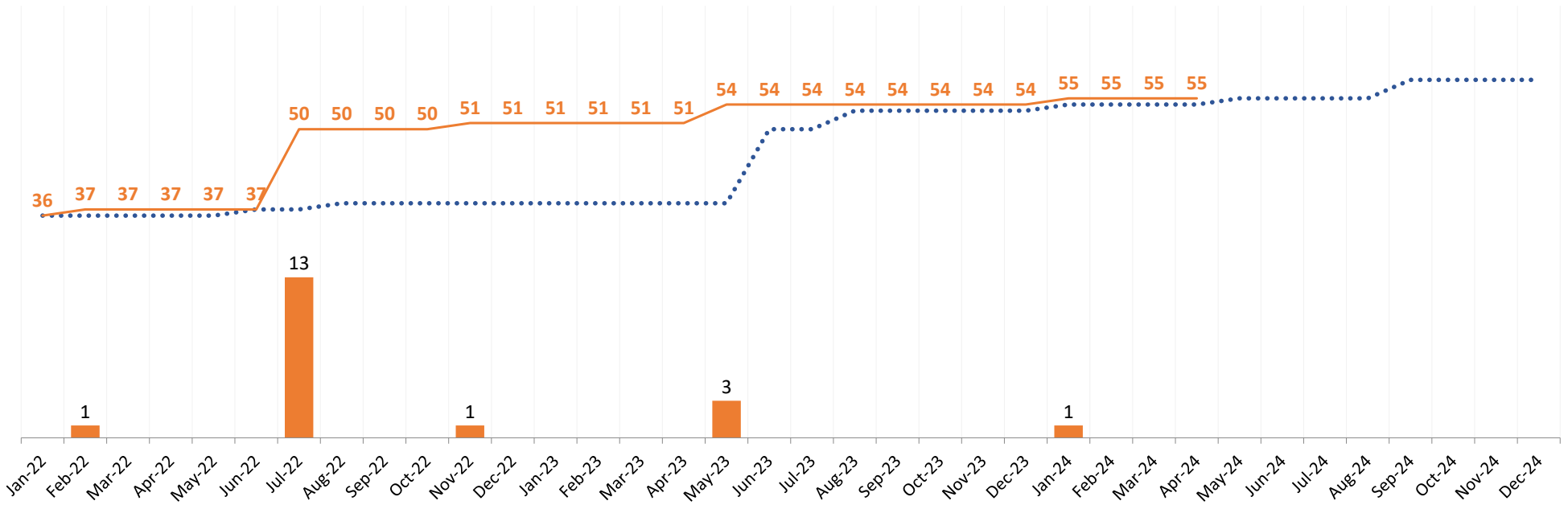
## CP 2-3 – Real Property/Right-of-Way (ROW) Railroad

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

Construction Package	Total Needed Railroad Parcels	Total Railroad Parcels Delivered to Date	Remaining Railroad Parcels to be Delivered
	April 30, 2024	April 30, 2024	April 30, 2024
CP 2-3	58	55	3

### CP 2-3 – 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 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
Award Date:	2/29/2016
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> :	May 2024

#### 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:	\$370,581,339.36
Current Contract Amount:	\$814,828,339.36
Approved Invoices to Date:	\$800,516,256.95
<b>Remaining Contract Balance:</b>	<b>\$14,312,082.41</b>

#### 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 04/30/2024):	2,937

#### Expended to Date

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

#### Growth Percentage

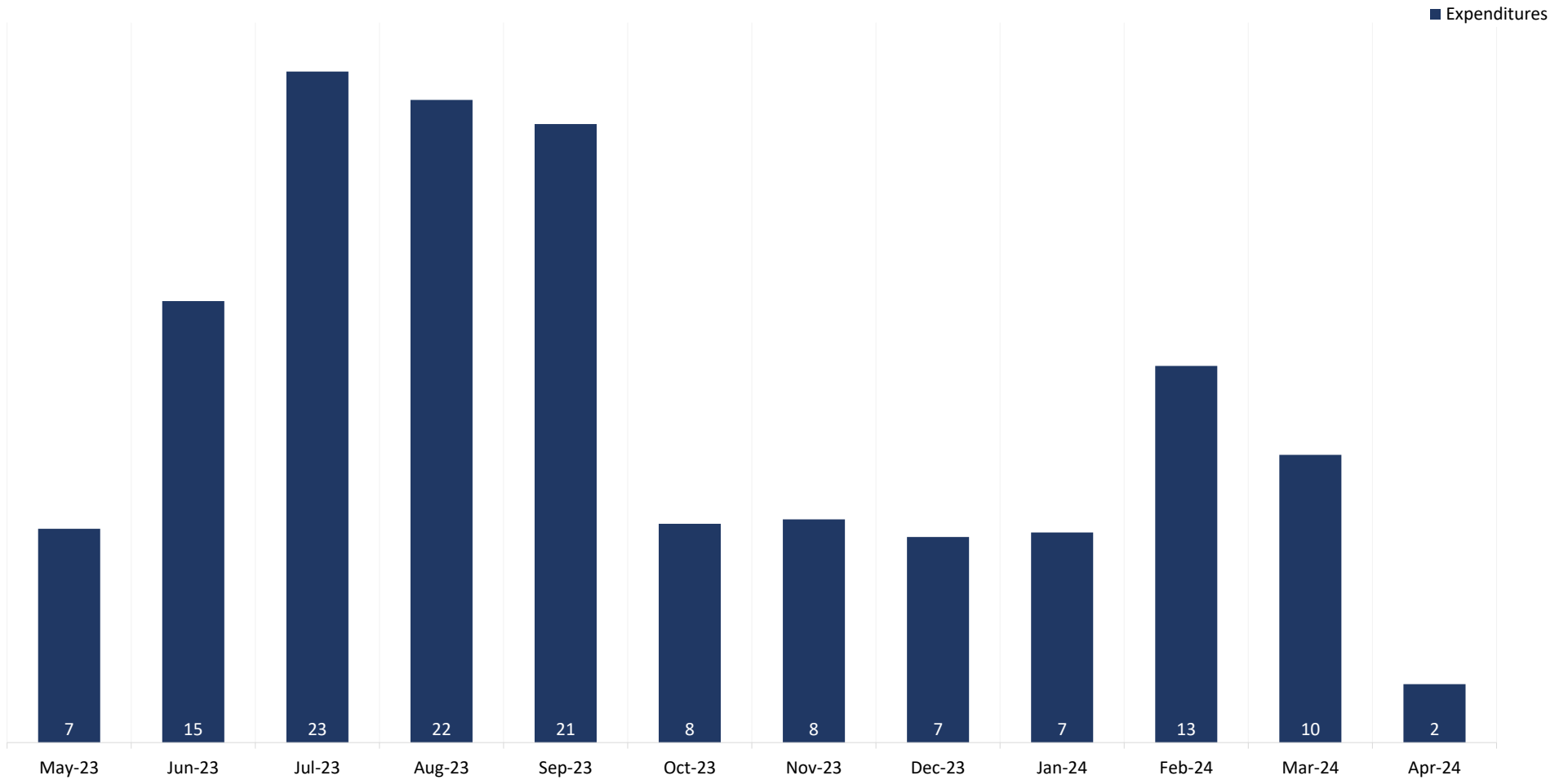
Description	Percentage
Time <sup>(3)</sup> :	146.9%
Dollars:	83.4%

#### 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 \$2.0M.



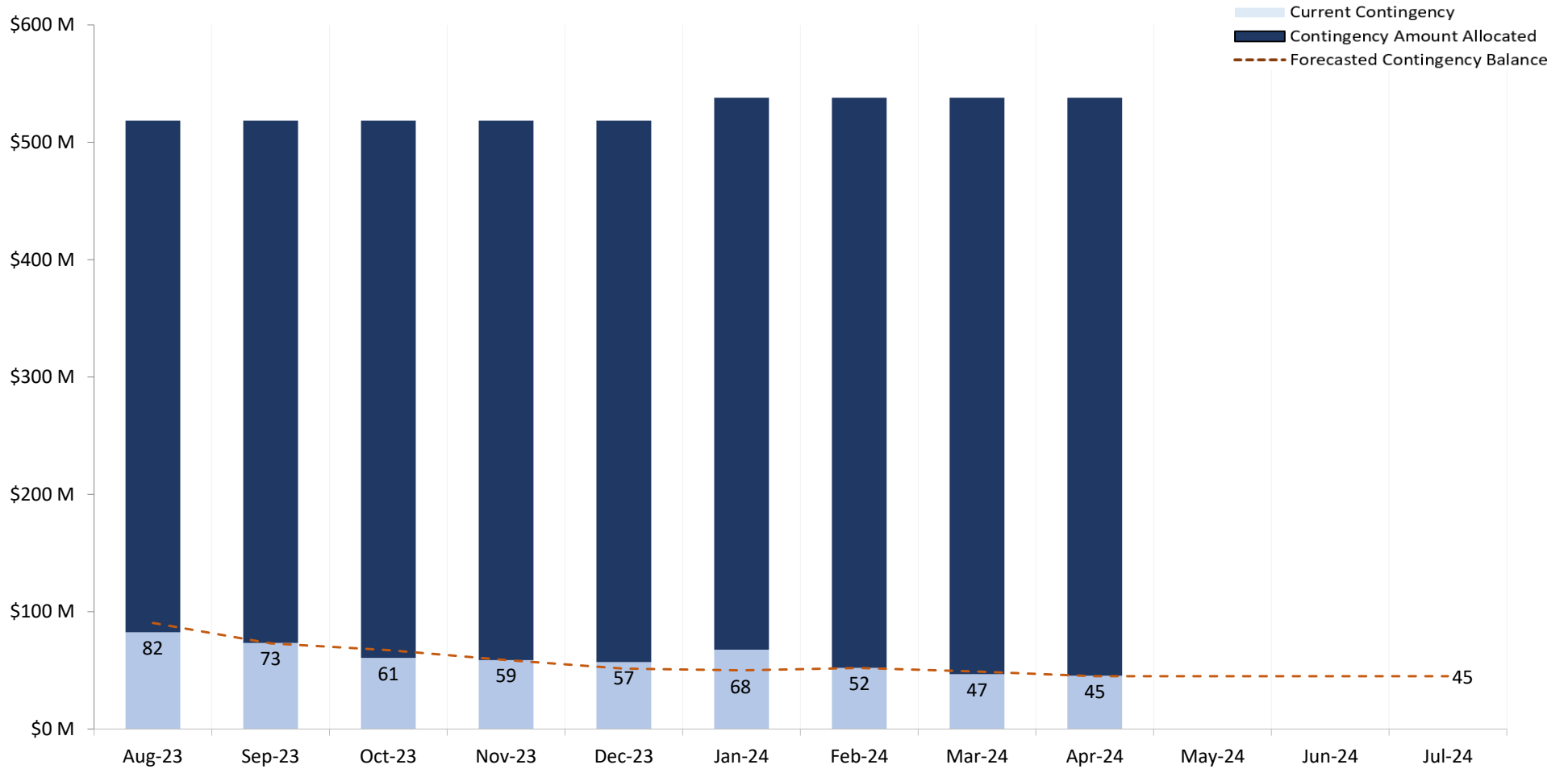
## CP 4 – Change Orders (CO)

### CP 4 – Change Order Status

CO Number	Title	Change Status	Amount	Executed Date
214.1	Crimson Midstream Additional Costs	Executed	\$72,073.26	4/30/2024
229	North Kern Water Storage District Additional Costs Not Covered Under the Contract - 13th, 14th and 15th Submissions	Executed	\$89,183.13	4/29/2024
224	Frontier Magnolia Pull Boxes Additional Work	Executed	\$45,341.25	4/17/2024
227	Removal and Disposal of BNSF Ties	Executed	\$816,439.38	4/9/2024
225	K-Rail Installation	Executed	\$274,591.45	4/8/2024
<b>TOTAL</b>			<b>\$1,297,628.47</b>	

## CP 4 – Risk Contingency

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

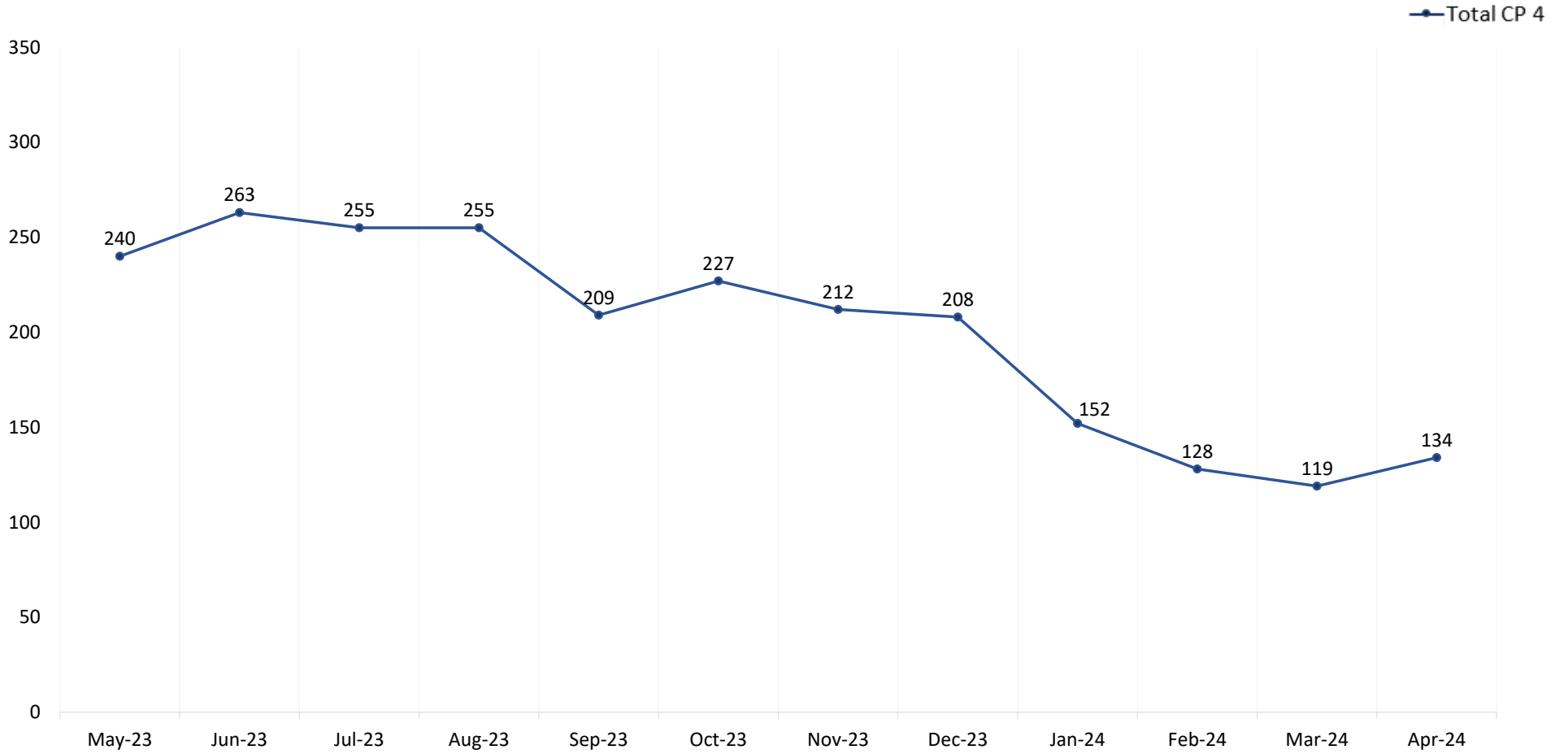


**Notes:**

1. January 2024 contingency data reflects the January 18, 2024 Board Total Expenditure Authorization which increased the total CP 4 budgeted contract contingency to \$538.0 M.
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)

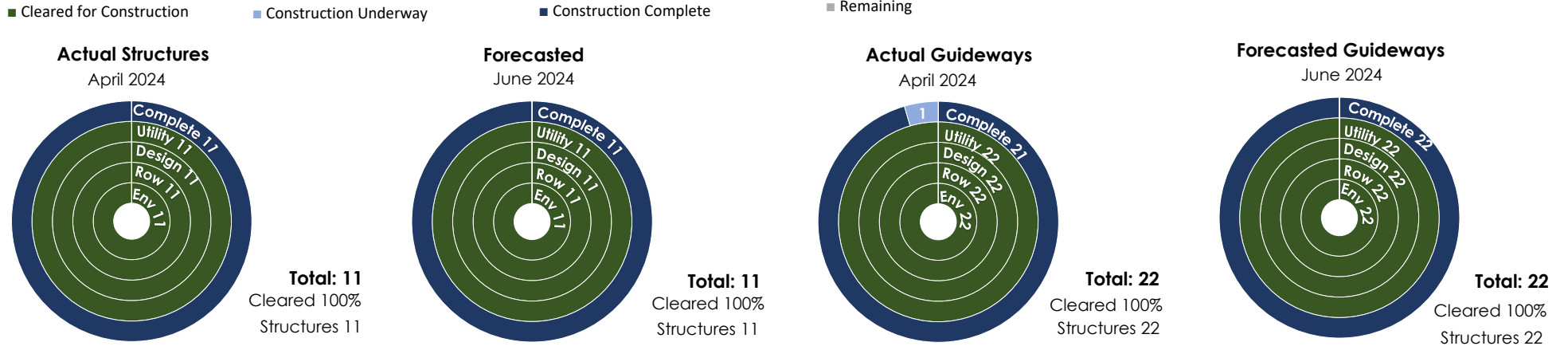


**Notes:**

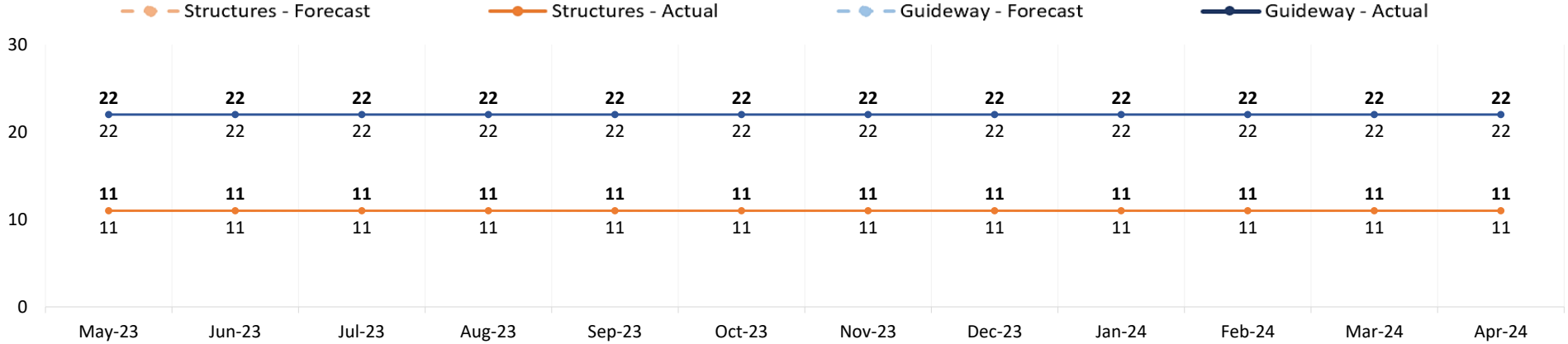
1. The construction labor numbers (full-time employees) are based on the weekly totals divided by the number of weeks within the working calendar month and represents the Average Daily Site Workers (by week).
2. An increase of 15 workers from the previous month (119).

## CP 4 – Construction Progress

### CP 4 – Construction Progress



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



**Notes:**

- The circle charts above incorporate Revised Baseline Schedules (RBS) Revision 4 approved schedule.
- Construction Complete definition:
  - Structure Completion – all concrete work is complete.
  - Guideway Completion – earthworks complete with rough grading.
- Total Structures: 11:
  - 11 of 11 structures completed.
- Total Guideway: 22 miles. The actual miles for CP 4 are 21.5 miles but rounded to 22 miles for consistency in reporting:
  - 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	11	8%
Total Utilities Relocated	132	92%
<b>Total</b>	<b>143</b>	<b>100%</b>

### CP 4 – Summary by Utility Type

Utility	Status	Utility Relocations	Percentage
<b>Electric</b>	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>
<b>Gas</b>	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>
<b>Telecom</b>	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>
<b>Wet</b>	NOT STARTED	0	0%
	APPROVED TO START	0	0%
	IN PROGRESS	11	26%
	RELOCATED	31	74%
	<b>TOTAL</b>	<b>42</b>	<b>100%</b>

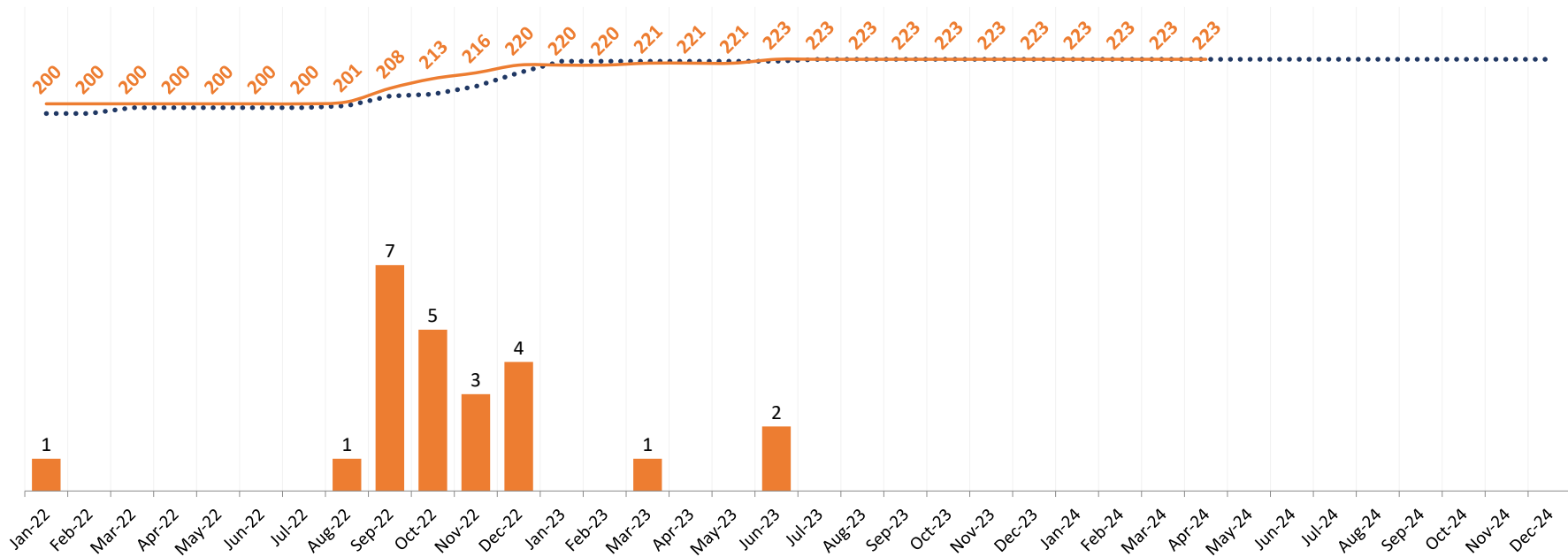
## CP 4 – Real Property/Right-of-Way (ROW)

### CP 4 – Right-of-Way (ROW) Summary

Construction Package	Total Needed Parcels	Total Parcels Delivered to Date	Remaining Parcels to be Delivered
	April 30, 2024	April 30, 2024	April 30, 2024
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.

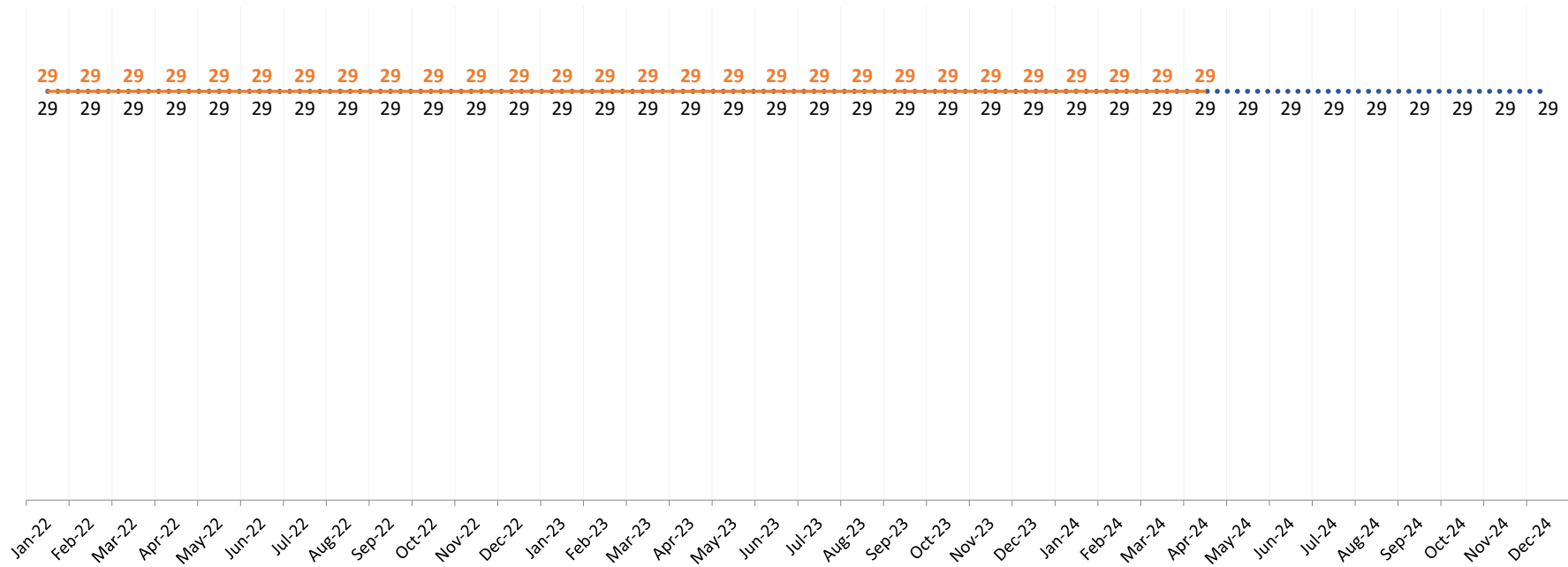
## CP 4 – Real Property/Right-of-Way (ROW) Railroad

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

Construction Package	Total Needed Railroad Parcels April 30, 2024	Total Railroad Parcels Delivered to Date April 30, 2024	Remaining Railroad Parcels to be Delivered April 30, 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
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 <sup>1</sup>	Oct-24 Oct-24 <sup>1</sup>	Nov-25 Nov-25 <sup>1</sup>	Nov-25 Nov-25 <sup>1</sup>	Dec-25 <sup>1</sup>	Dec-25 <sup>1</sup>
2	Palmdale to Burbank	Plan Forecast % Complete	Complete 100%	Complete 100%	Complete 100%	Complete 100%	Complete 100%	Complete 100%	Complete 100%	Complete 100%	Dec-23 Apr-24	Dec-23 May-24	Jun-24	Jun-24
3	Heavy Maintenance Facility (HMF)	Plan Forecast % Complete	Complete 100%	Complete 100%	Complete 100%	Complete 100%	TBD	TBD	TBD	TBD	TBD	TBD	TBD	TBD

**Notes:**

1. 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
<b>San Francisco To San Jose</b>	Environmental Clearance activities complete. 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>	The Authority and the Regional Consultant teams worked on resolving outstanding technical issues and finalizing the 4 Volumes of the Final EIR/EIS. In preparation for the release of the Final EIR/EIS documents in May 2024, the Regional Consultant worked on the 508 Remediation and preparation for the printing and publication of the documents. The Authority consulted with the Regulatory Agencies on obtaining the required Permits from them. The Team also started work on the preparation of the materials for the Executive Briefings and Board Presentations.
<b>Burbank To Los Angeles</b>	Work through NOD/ROD has been completed. Project closeout activities are ongoing. Authority is currently in settlement discussions for ongoing litigation activities.
<b>Los Angeles To Anaheim</b>	During the month of April 2024, the LA-A project team held a virtual public information session, joint with Caltrans, on the High Desert Staging Tracks projects that both agencies are working on. Other activities included: completed the review of the Draft Preliminary Engineering for Project Definition (PEPD) plans, delivered review comments to STV (Regional Consultant for LA-A Project Section) and held several comments resolution meetings to resolve disagreeing comments, and continued reviewing PEPD and environmental reports and advancing documentation in support of the Staff Recommended Preferred Alternative which is scheduled to be presented to the HSR Board for approval during the May 16, 2024 Board meeting.

### 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 on the 30% design goals for this Project. Third Party coordination is advancing with the local agencies and utility companies. Stantec submitted to the Authority the Draft Configuration Footprint on October 10, 2023, and it was accepted by the Authority on December 28, 2023. HSR 22-02 contract was amended to include NTP-3 (Merced Station Relocation) on October 11, 2023. A series of Value Engineering and Value Analysis Workshops were held in October 2023; and completed in November 2023. The Authority evaluated the recommendations that came through the Value Engineering (VE) and Value Analysis (VA) process. Final direction will be issued to Stantec on May 3, 2024 to implement the VE-VA design recommendations. On January 18, 2024, the Board approved NTP-2 to advance to the final design (100%) and construction ready documents in stage 4. Subsequently, NTP-2 was issued on April 29, 2024. Currently, the contract amending is in progress. The contract amendment is anticipated to be executed in June 2024.
<b>Fresno to Bakersfield Locally Generated Alternative (LGA)</b>	HNTB Corporation (HNTB), under agreement HSR 22-01, continues to make progress on the 30% design goals for this Project. 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. HNTB has submitted the Preliminary alignment Footprint to the Authority and a workshop for Authority staff will be held in June 2024 to refine the design elements. Draft 30% Street Improvement Plan Package for Segment 1 has been received. Design Baseline Report is under development. CRISI-NTP -2: Final TSRs are being progressed. Geotech boring plan is being prepared and Geotech information will be paired with final TSRs.