



Finance & Audit Committee

CENTRAL VALLEY STATUS REPORT

April 11, 2024 Report (data through February 29, 2024)

Executive Summary

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

- February 2024 Expenditures totaled \$71.5M:
 - Construction Package 1 (Page 14) - Expenditures totaled \$20.4M.
 - Construction Package 2-3 (Page 23) - Expenditures totaled \$38.1M.
 - Construction Package 4 (Page 32) - Expenditures totaled \$13.1M.
- Total CP Cumulative Actual Expenditures (Pages 12, 22, and 31) – \$5,729.2M.
- Total Cumulative Current Contract Amount (Pages 12, 22, and 31) – \$7,875.8M.

Change Orders

- Executed Change Orders this period – 21 for a total of \$38.0M:
 - Construction Package 1 (Page 15) – Nine for a total of \$6.3M.
 - Construction Package 2-3 (Page 24) – Five for a total of \$17.5M.
 - Construction Package 4 (Page 33) – Seven for a total of \$14.1M.

Risk Contingency ([Page 5](#))

- Approved Contingency – \$6,103.9M budgeted contract contingency. Contingency balance is \$1,030.9M as of data date.
 - Construction Package 1 (Page 16) – \$2,853.4M budgeted contract contingency. Contingency balance is \$397.6M as of data date.
 - Construction Package 2-3 (Page 25) – \$2,712.5M budgeted contract contingency. Contingency balance is \$581.1M as of data date.
 - Construction Package 4 (Page 34) – \$538.0M budgeted contract contingency. Contingency balance is \$52.1M as of data date.

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

- February 2024, Average Daily Site Workers (by Week) – 1,247 workers. A decrease of 68 workers from the previous period (1,315):
 - Construction Package 1 (Page 17) – 323 workers. An increase of 11 workers from the previous month (312).
 - Construction Package 2-3 (Page 26) – 796 workers. A decrease of 55 workers from the previous month (851).
 - Construction Package 4 (Page 35) – 128 workers. A decrease of 24 workers from the previous month (152).
- 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 – 78 underway/construction complete (33 underway, 45 completed) compared to 93 structures total (84%). No change from the previous period.
 - Construction Package 1 – 28 structures underway/construction complete (10 underway, 18 completed).
 - Construction Package 2-3 – 39 structures underway/construction complete (23 underway, 16 completed).
 - Construction Package 4 – 11 of 11 structures completed.
- Guideway – 91 miles underway/construction complete (35 underway, 56 completed) 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 (16 underway, 33 completed).
 - Construction Package 4 – 22 miles underway/construction complete (1 underway, 21 completed).

Utility Relocations Status ([Pages 8 - 9](#))

- Relocated: 1,284 (70%); In Progress: 274 (15%); Approved to Start: 0 (0%); Not Started: 278 (15%); Total: 1,836. A total of 34 relocated in February 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: 643 (65%); In Progress: 192 (19%); Approved to Start: 0 (0%); Not Started: 157 (16%); Total: 992.
 - Construction Package 2-3 – Relocated: 512 (73%); In Progress: 68 (10%); Approved to Start: 0 (0%); Not Started: 121 (17%); Total: 701.
 - Construction Package 4 – Relocated: 129 (90%); In Progress: 14 (10%); 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 – 2,261 parcels compared to an estimated 2,287 parcels needed.
- Parcels Delivered to Design-Builder (DB) – One parcel from CP 2-3 in February 2024.
- Construction Packages 1-4 – Zero parcels added for CP 1-4, four parcels removed in CP 1 and three parcels removed in CP 2-3. The Authority continues to receive requests for additional parcels primarily related to third-party requirements. The Authority reviews these as received and if merit is found, those parcels will be added and acquired per contractual terms.
- Total Railroad Parcels Delivered to Date – 153 parcels delivered compared to an estimated 176 total railroad parcels needed.
- Railroad Parcels Delivered to Design-Builder – Zero parcels in February 2024.

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

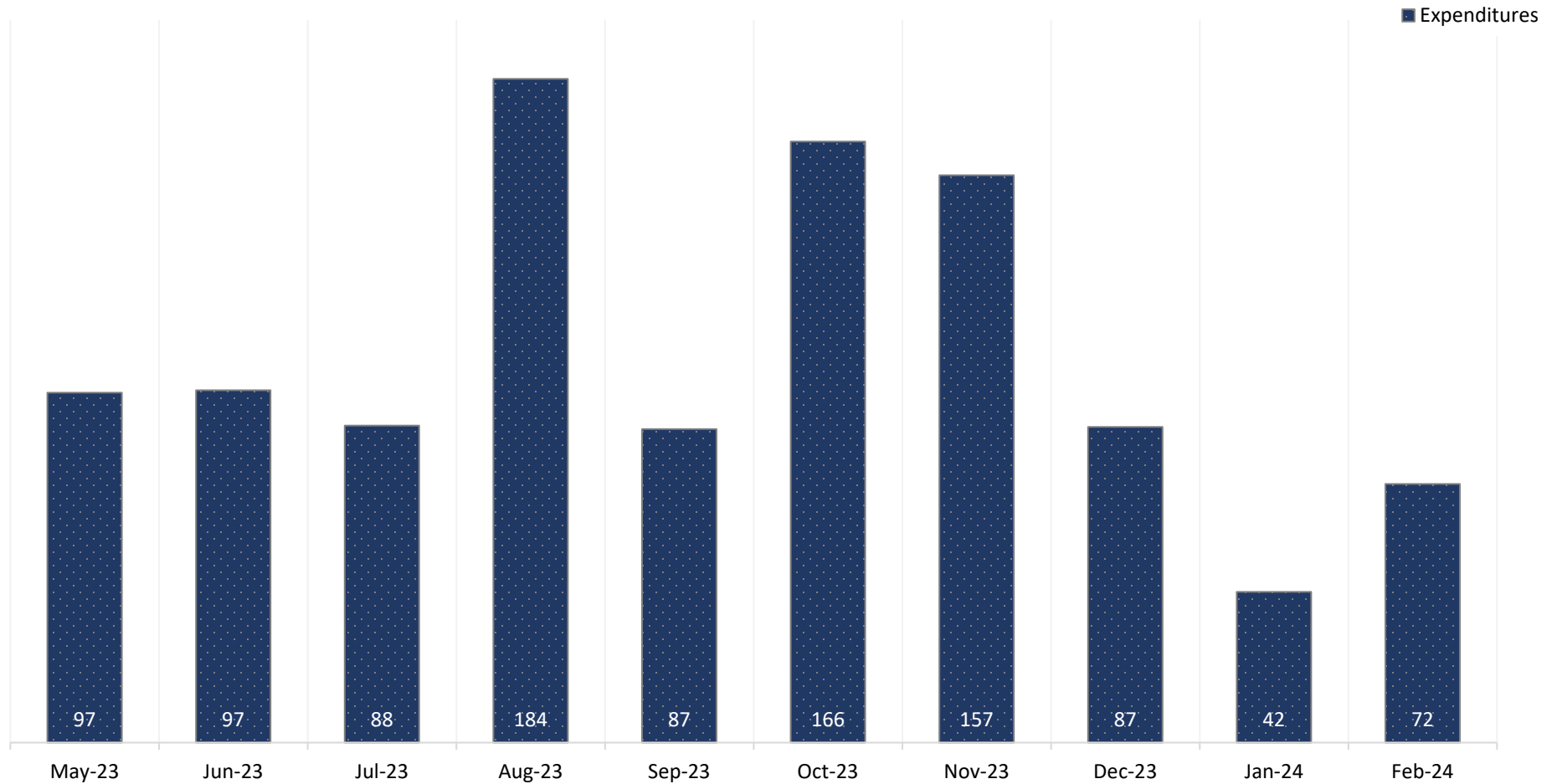
- San Francisco to San Jose – Work through NOD/ROD has been completed. Staff finalizing the Administrative Record.
- San Jose to Merced – Work through NOD/ROD has been completed. Staff finalizing the Administrative Record.
- Bakersfield to Palmdale – Work through NOD/ROD has been completed. Continued meeting with key stakeholders, including the Center for Biological Diversity.
- Palmdale to Burbank – After addressing the comments from the Cooperating Agencies on the Administrative Final Environmental Impact Report (EIR)/Environmental Impact Statement (EIS), Sener submitted all 4 volumes of the Final EIR/EIS documents on February 15, 2024 for Authority review. Major activities on this project section included finalizing response to comments, preparing the Final EIR/EIS, and preparing permitting documents.
- Burbank to Los Angeles – Work through NOD/ROD has been completed. Project closeout activities are ongoing.
- Los Angeles to Anaheim – Administrative Draft EIR/EIS scheduled for Spring 2024. NOD/ROD anticipated in late 2025.

Project Development (Post-Record of Decision) Schedule ([Pages 41 - 42](#))

- Merced Extension (Merced to Madera) – Stantec Inc., under Agreement HSR22-02, continues to make progress on the 30% design goals of this Project. 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). NTP-2 (to advance to 100% design and construction ready documents in Stage 4) was approved by the Board on January 18, 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 submitted to the Authority the Draft Configuration Footprint on December 29, 2023, and it was accepted by the Authority on January 16, 2024. NTP-2 (to advance to 100% design and construction ready documents in Stage 4) was approved by the Board on February 29, 2024.

CP 1-4 – Design-Build Expenditures

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

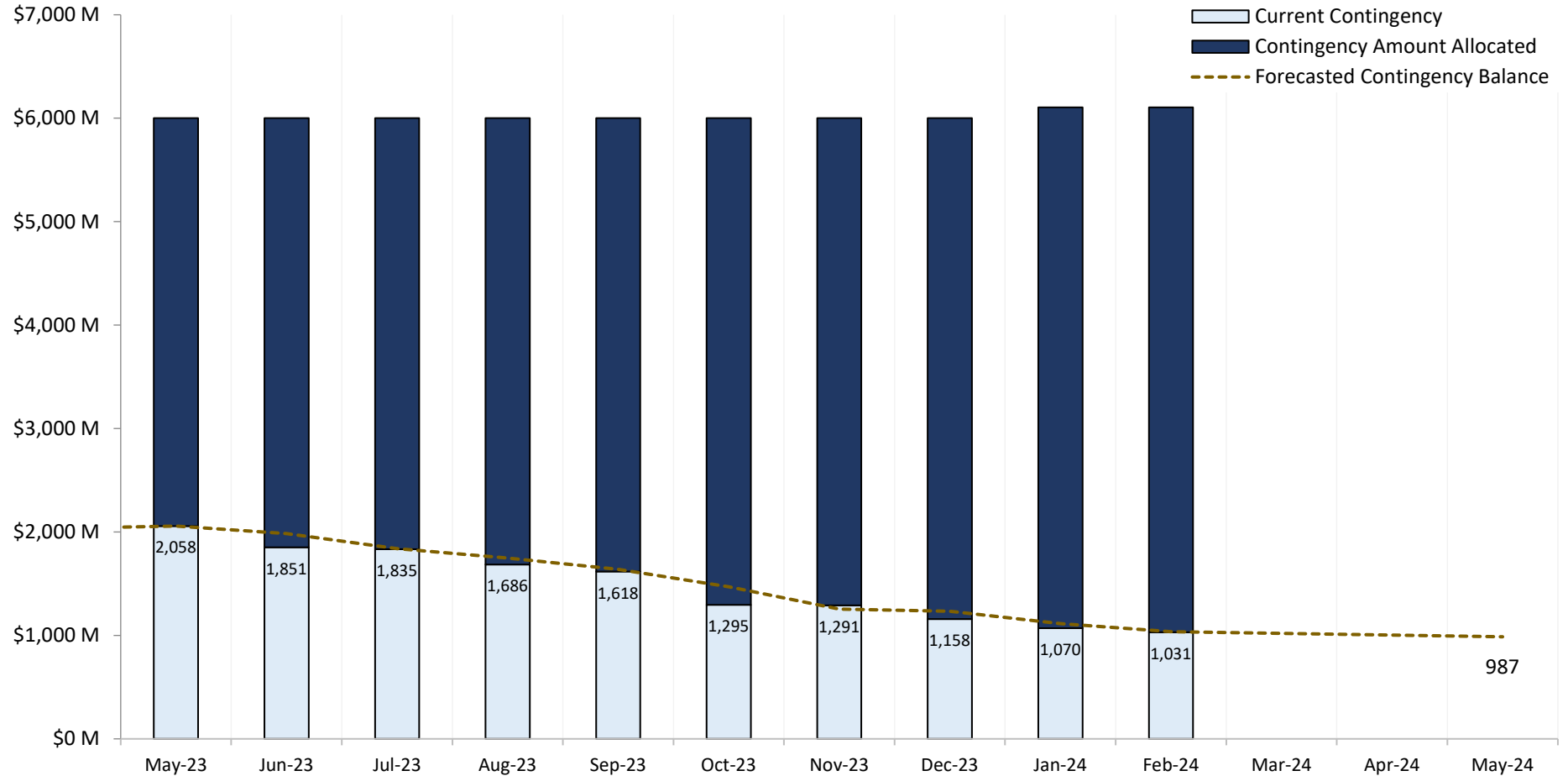


Notes:

1. February 2024 Expenditures totaled \$71.5M:
 - a. Construction Package 1 – Expenditures totaled \$20.4M.
 - b. Construction Package 2-3 – Expenditures totaled \$38.1M.
 - c. Construction Package 4 – Expenditures totaled \$13.1M.

CP 1-4 – Risk Contingency

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

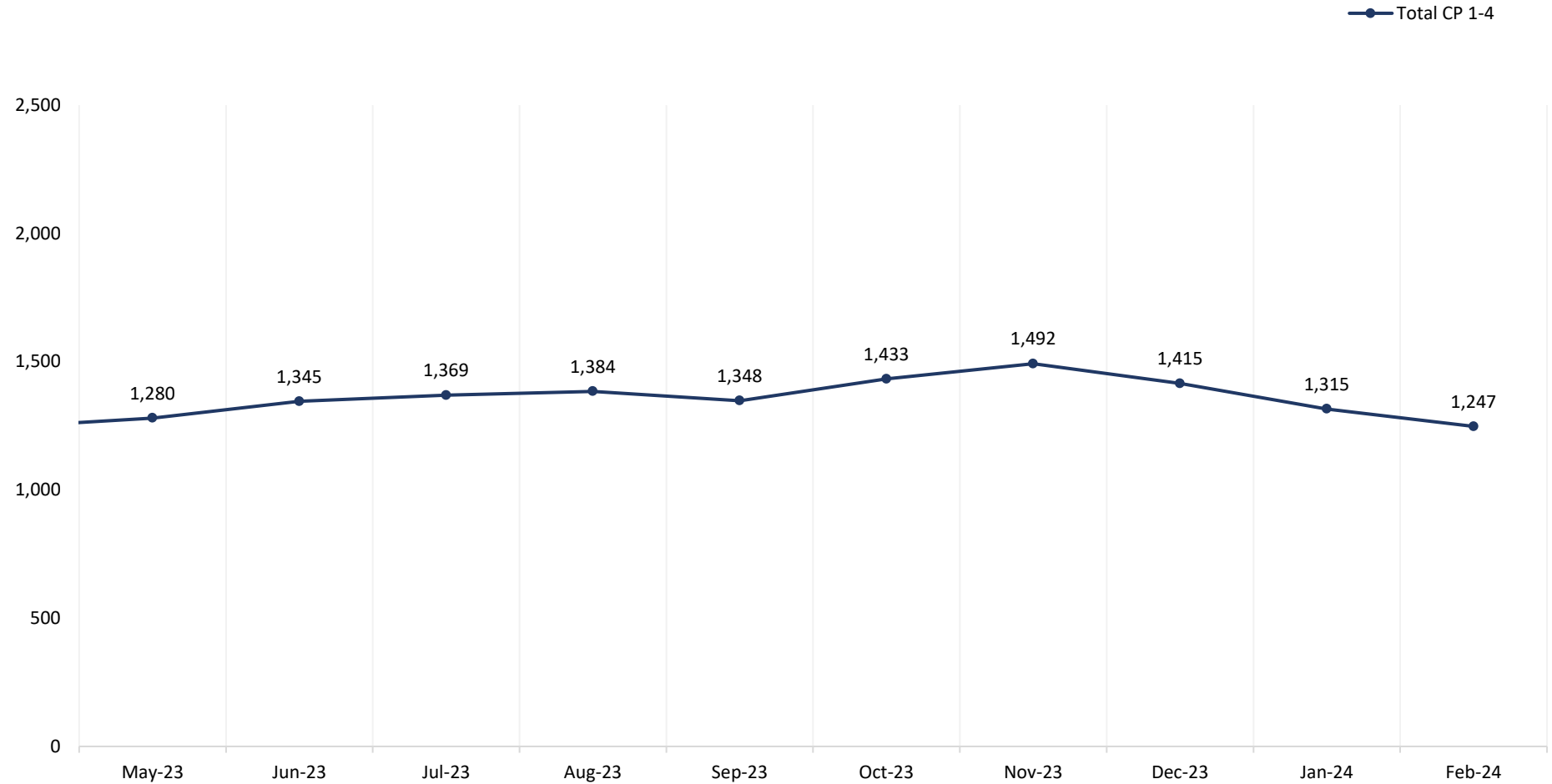


Notes:

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 – Construction Labor

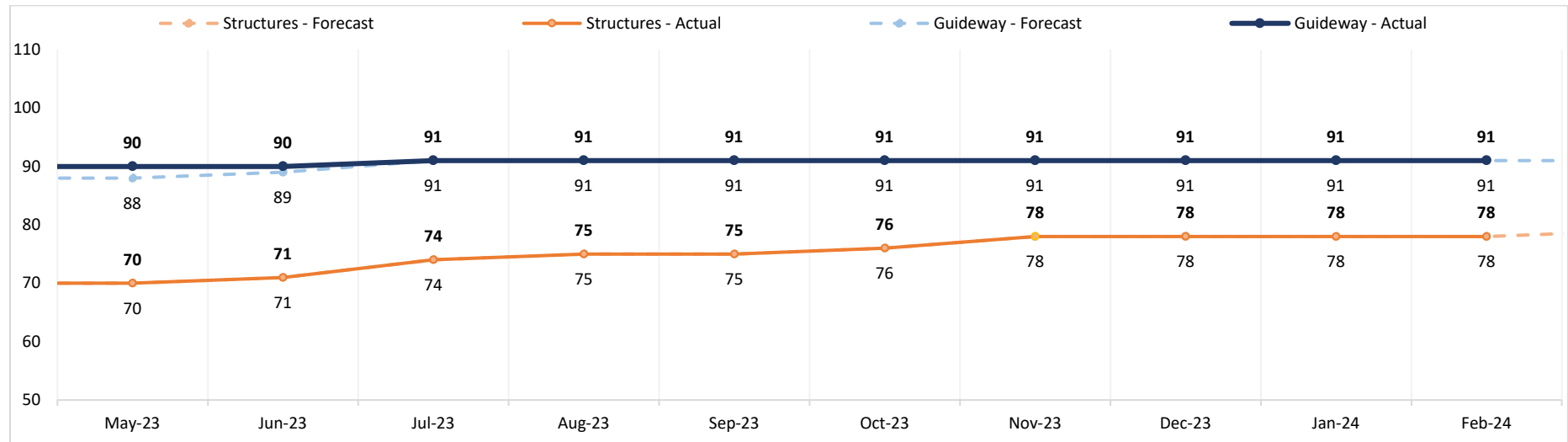
CP 1-4 – Monthly Construction Workforce Total – Actual (FTE)



- 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. February 2024, Average Daily Site Workers (by week) – 1,247 workers. A decrease of 68 workers from the previous period (1,315).
 - a. Construction Package 1 (Page 17) – 323 workers. An increase of 11 workers from the previous month (312).
 - b. Construction Package 2-3 (Page 26) – 796 workers. A decrease of 55 workers from the previous month (851).
 - c. Construction Package 4 (Page 36) – 128 workers. A decrease of 24 workers from the previous month (152).

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	16	33	1	21	35	56	91
Structures	10	18	23	16	0	11	33	45	78

Notes:

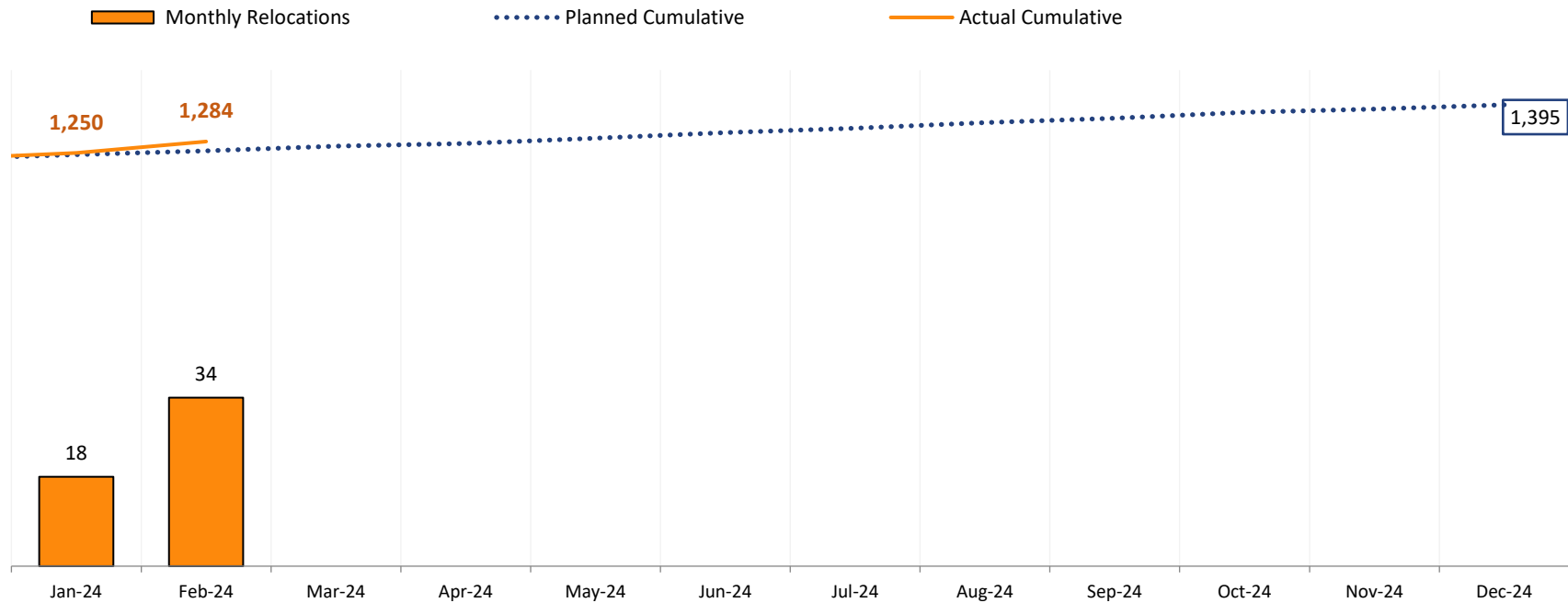
1. Construction Complete definition:
 - a. Structure Completion – all concrete work is complete.
 - b. Guideway Completion – earthworks complete with rough grading.
2. Total Structures: 93
3. Structures – 78 underway/construction complete compared to 93 structures total (84%).
 - a. CP 1 – 28 structures underway/construction complete.
 - b. CP 2-3 – 38 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 – Utility Relocation Summary

Construction Package	Total Relocations February 29, 2024	Total Utilities Relocated to Date February 29, 2024	Remaining Utility Relocations February 29, 2024
CP 1	992	643	349
CP 2-3	701	512	189
CP 4	143	129	14
Total	1,836	1,284	552

CP 1-4 – Utility Relocation Status Summary-Monthly



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	70	96	0	166	25%
	APPROVED TO START	0	0	0	0	0%
	IN PROGRESS	24	30	0	54	8%
	RELOCATED	122	258	62	442	67%
	TOTAL	216	384	62	662	100%
Gas	NOT STARTED	16	10	0	26	21%
	APPROVED TO START	0	0	0	0	0%
	IN PROGRESS	26	0	0	26	21%
	RELOCATED	48	17	7	72	58%
	TOTAL	90	27	7	124	100%
Telecom	NOT STARTED	32	2	0	34	5%
	APPROVED TO START	0	0	0	0	0%
	IN PROGRESS	53	23	0	76	11%
	RELOCATED	330	208	32	570	84%
	TOTAL	415	233	32	680	100%
Wet	NOT STARTED	39	13	0	52	14%
	APPROVED TO START	0	0	0	0	0%
	IN PROGRESS	89	15	14	118	32%
	RELOCATED	143	29	28	200	54%
	TOTAL	271	57	42	370	100%

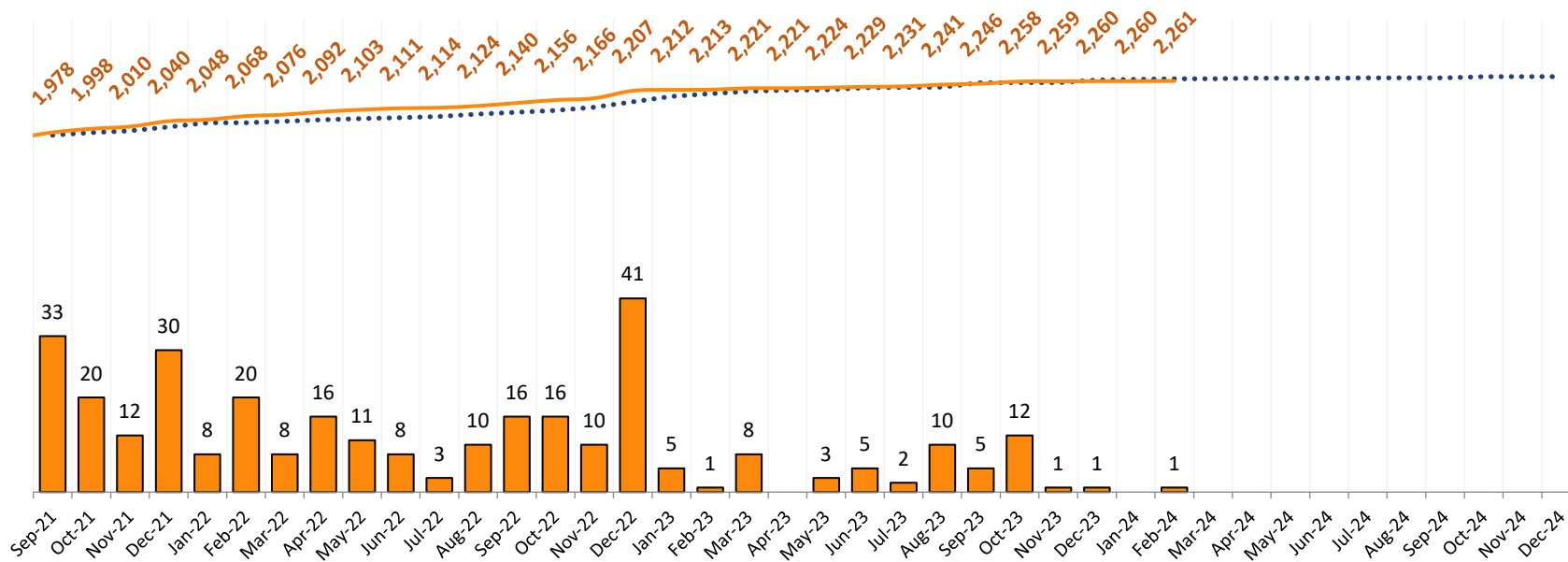
CP 1-4 – Real Property/Right-of-Way (ROW)

CP 1-4 – Right-of-Way (ROW) Summary

Construction Package	Total Needed Parcels February 29, 2024	Total Parcels Delivered to Date February 29, 2024	Remaining Parcels to be Delivered February 29, 2024	Percentage Delivered
CP 1	1,079	1,064	15	98%
CP 2-3	985	974	11	99%
CP 4	223	223	0	100%
Total	2,287	2,261	26	99%

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

■ Actual Delivery to DB
 ⋯ Planned Cumulative
 — Actual Cumulative



Notes:

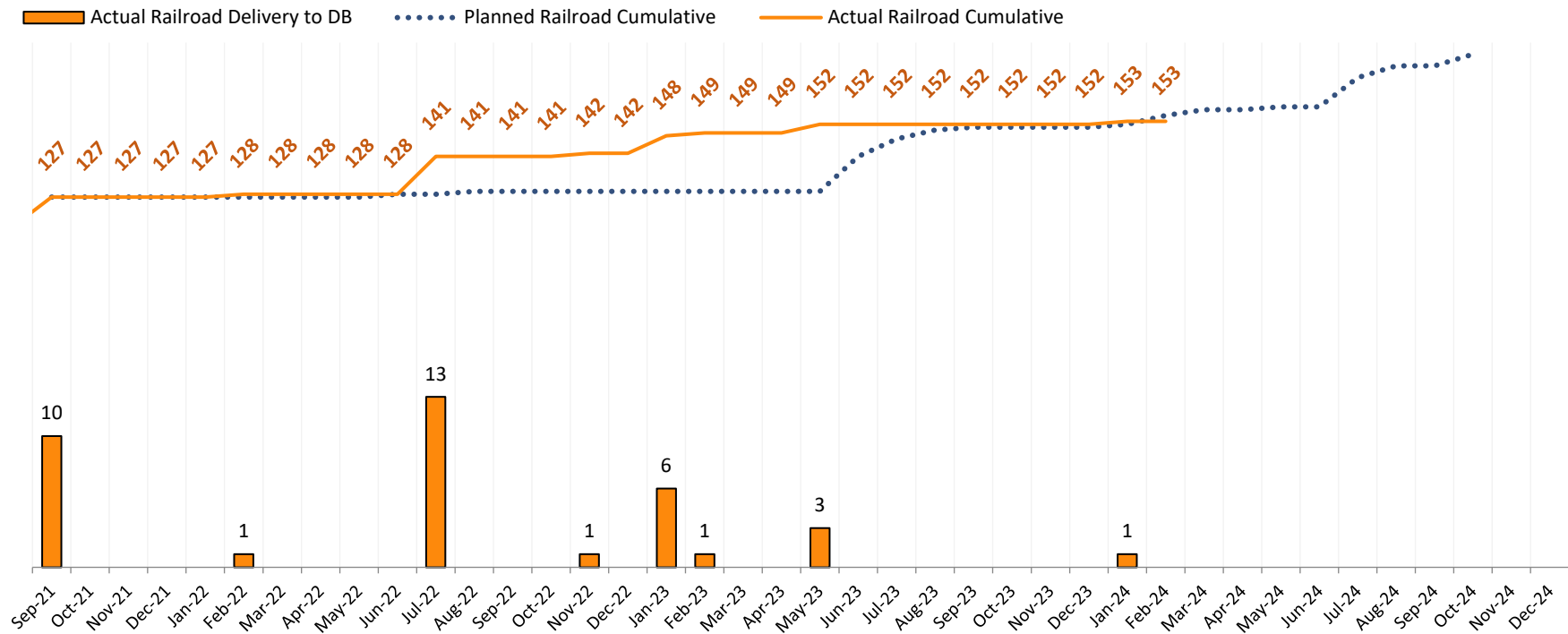
1. This reflects the actual parcels delivered to the Design-Builder by month and forecasts based on Revised Baseline Schedules (RBS) Revision 4.
2. Total Needed Parcels reduced by seven parcels, four in CP 1 and three in CP 2-3.

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 February 29, 2024	Total Railroad Parcels Delivered to Date February 29, 2024	Remaining Railroad Parcels to be Delivered February 29, 2024
CP 1	89	69	20
CP 2-3	58	55	3
CP 4	29	29	0
Total	176	153	23

CP 1-4 – 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.
2. Total Needed Railroad Parcels and Total Railroad Parcels Delivered increased by five parcels delivered in CP1 previously that were not reported.

CONSTRUCTION PACKAGE 1 (CP 1) OVERVIEW

CP 1 – Design-Build Contract Summary⁽¹⁾

Milestones

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

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:	\$2,664,339,547.72
Current Contract Amount:	\$3,687,327,547.72
Approved Invoices to Date:	\$2,457,558,535.03
Remaining Contract Balance:	\$1,229,769,012.69

Contract Time Status

Description	Duration
Original Contract Days:	1,628
Extension of Time Awarded ⁽³⁾ :	3,159
Current Forecast Contract Days ⁽³⁾ :	4,787
Calendar Days Worked (thru 2/29/2024):	3,789

Expended to Date

Description	Percentage
Time ⁽³⁾ :	79.2%
Dollars:	66.6%

Growth Percentage

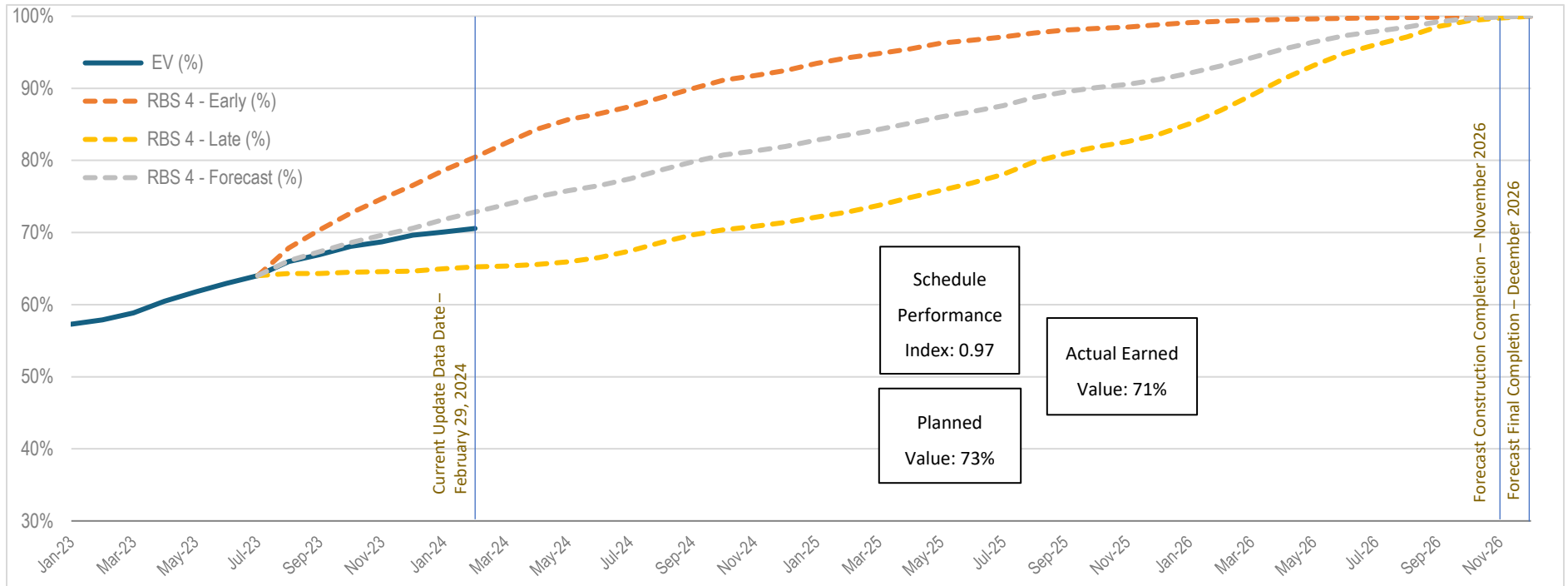
Description	Percentage
Time ⁽³⁾ :	194.0%
Dollars:	260.4%

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 Current Forecast Construction Completion Date.

CP 1 – Earned Value

CP 1 – Earned Value Summary (%)

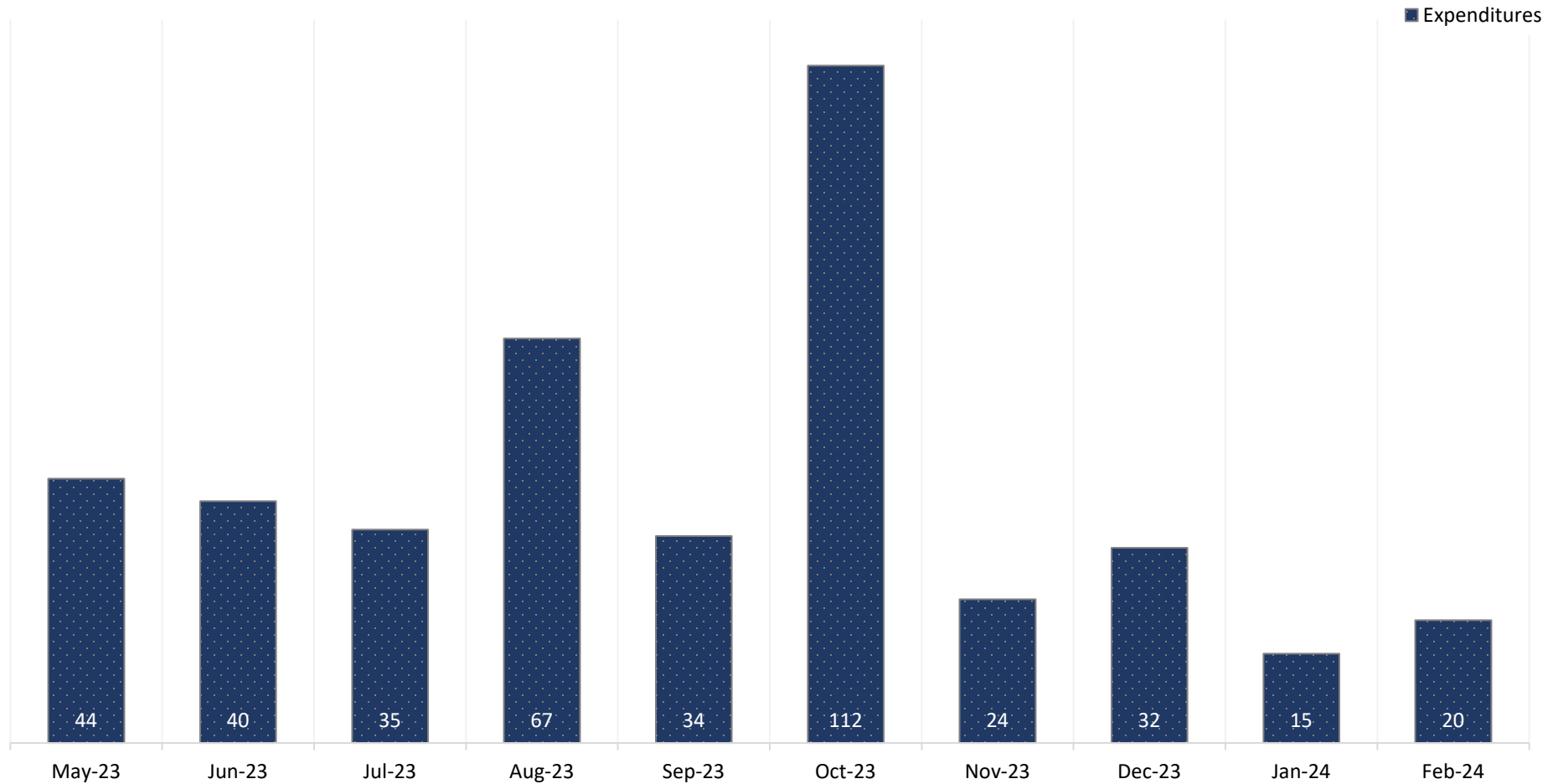


Notes:

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. To provide contingency, the Schedule Performance Index (SPI) is measured against the average graph.
5. Time contingency is not included in these forecasts. This is Authority owned contingency.

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 \$20.4M.

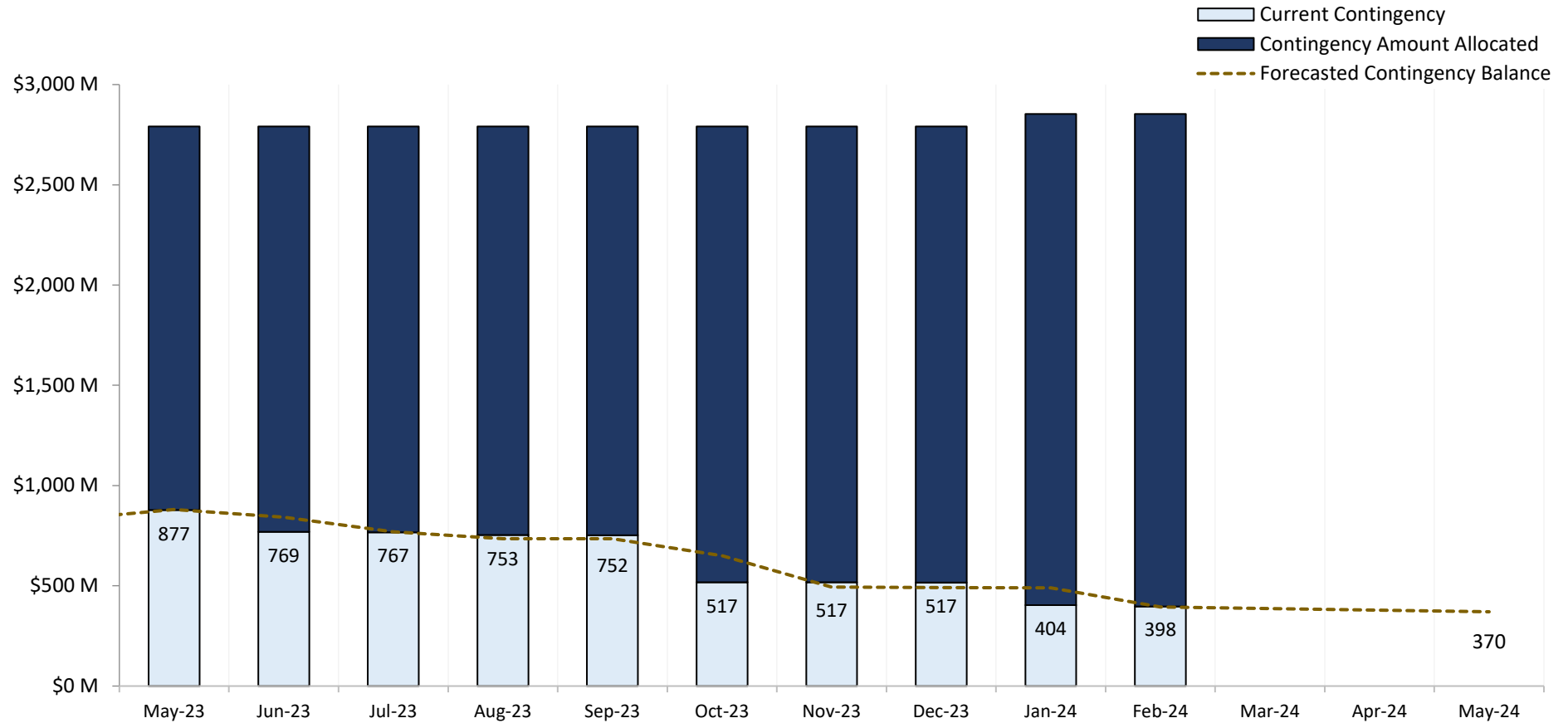
CP 1 – Change Orders (CO)

CP 1 – Change Order Status

CO Number	Title	Change Status	Amount	Executed Date
89.06	Comcast Avenue 17 Utility Relocation -Subtask 1.18 - Added Third-Party Costs	Executed	\$19,725.00	02-28-24
89.07	Comcast Relocation at Road 26, Hanover Dr., El Vado Dr. & Amtrak Station- 3rd Party Costs	Executed	\$134,210.00	02-16-24
340.1	Kern Street Cul-de-Sac	Executed	\$12,000.00	02-16-24
524	DL-0235 -Field Office Setup for Authority Furnished Trailer 6355 N Golden State Blvd	Executed	\$267,000.00	02-16-24
527	Baker Tanks for Road 27 Waterline Relocation for Madera Valley Water Company (MVWC)- Construction	Executed	\$42,530.00	02-16-24
529	Loading, Hauling, and Stockpile MSE Backfill from Vulcan Friant Plant to Herndon Yard	Executed	\$3,841,365.00	02-28-24
89.08	Comcast Relocation at Road 26, Hanover Dr., El Vado Dr. & Amtrak- Construction	Executed	\$1,658,967.00	02-29-24
528	DL-0238 Shaw Avenue UPRR requested Traffic Models- Design	Executed	\$12,723.00	02-29-24
530	DL-0228 - UPRR Drainage Adjacent to Fresno Trench - Construction	Executed	\$330,939.00	02-29-24
TOTAL			\$6,319,459.00	

CP 1 – Risk Contingency

CP 1 – Risk Contingency Status (\$ Millions)

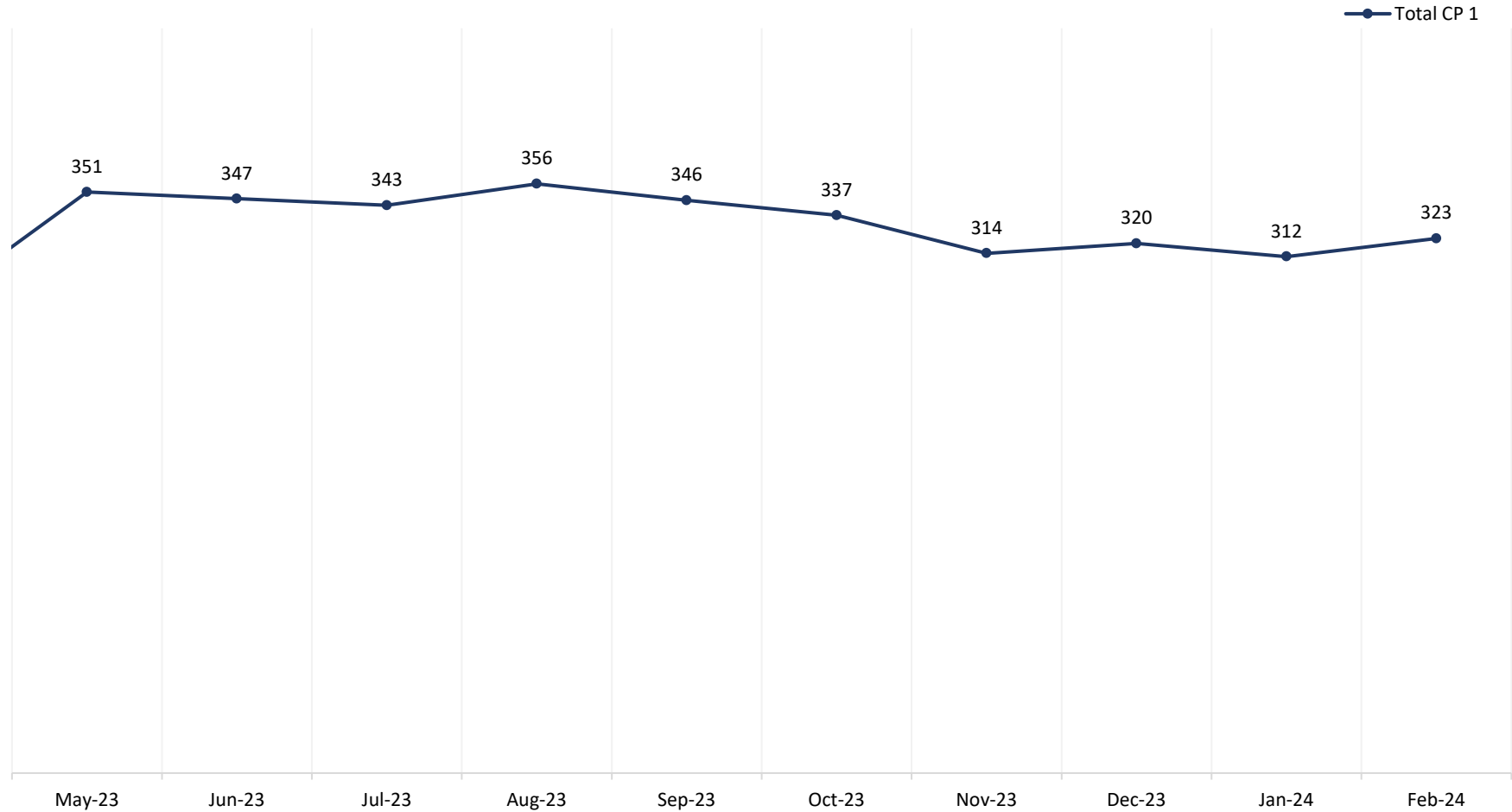


Notes:

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

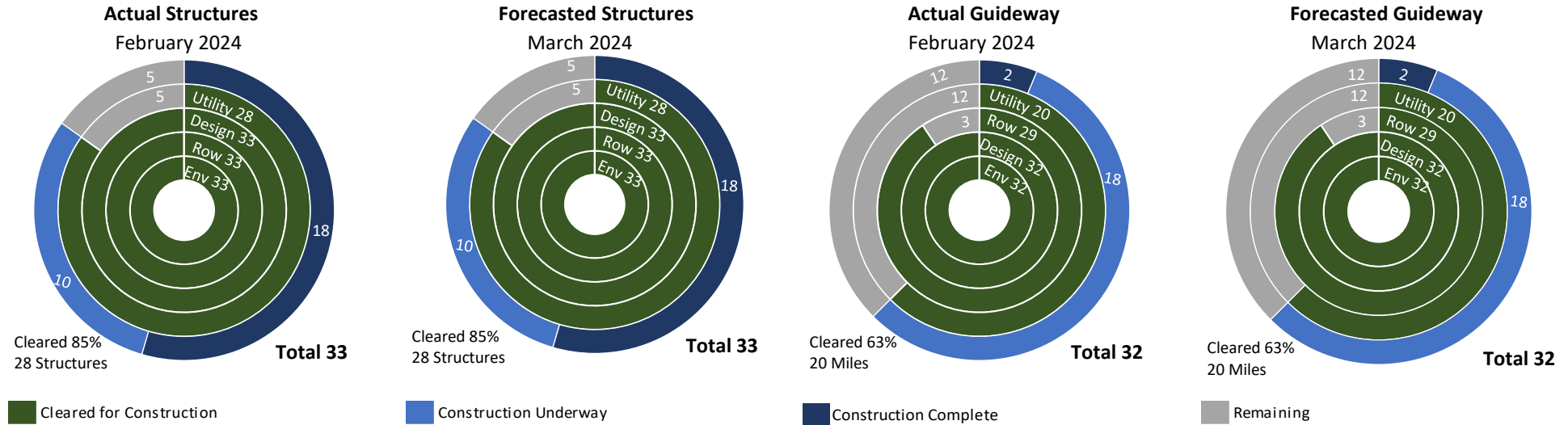
CP 1 – Monthly Construction Workforce Total – Actual (FTE)



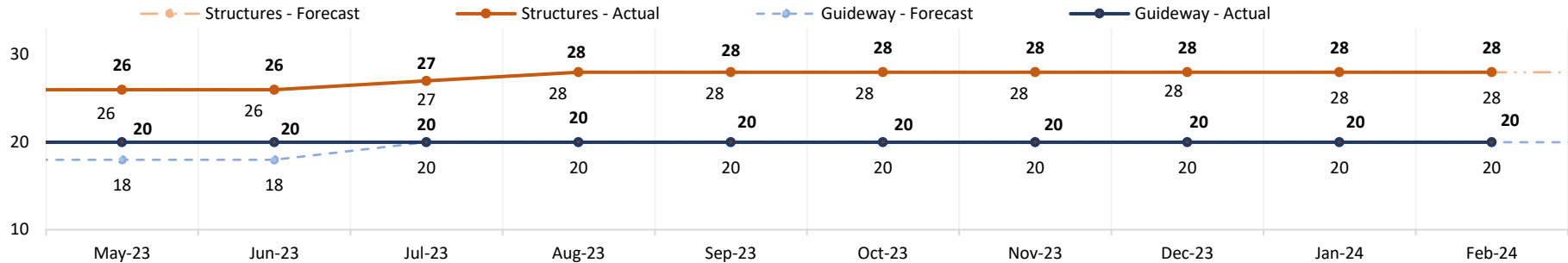
- Notes:**
1. The construction labor numbers (full-time employees) are based on the weekly totals divided by the number of weeks within the working calendar month and represents the Average Daily Site Workers (by week).
 2. An increase of 11 workers from the previous month (312).

CP 1 – Construction Progress

CP 1 – Construction Progress



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



- Notes:**
- The circle charts above incorporate Revised Baseline Schedules (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.
 - 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.
 - Late finish dates are being used to estimate forecast numbers.

CP 1 – Utility Relocation Summary

CP 1 - High Level Summary

Status	Utility Relocations	Percentage
Total Utilities Not Started	157	16%
Total Utilities Approved to Start	0	0%
Total Utilities in Progress	192	19%
Total Utilities Relocated	643	65%
Total	992	100%

CP 1 – Summary by Utility Type

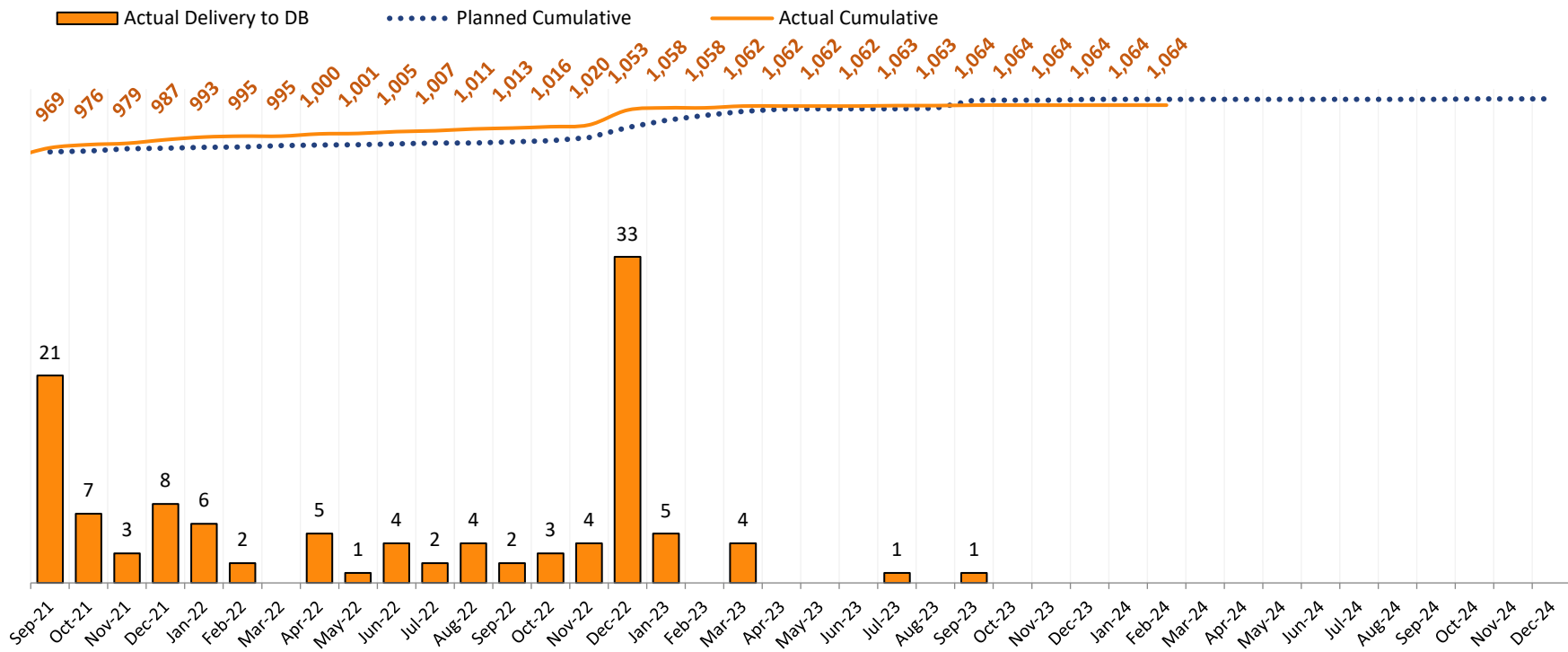
Utility	Status	Utility Relocations	Percentage
Electric	NOT STARTED	70	32%
	APPROVED TO START	0	0%
	IN PROGRESS	24	12%
	RELOCATED	122	56%
	TOTAL	216	100%
Gas	NOT STARTED	16	18%
	APPROVED TO START	0	0%
	IN PROGRESS	26	29%
	RELOCATED	48	53%
	TOTAL	90	100%
Telecom	NOT STARTED	32	8%
	APPROVED TO START	0	0%
	IN PROGRESS	53	13%
	RELOCATED	330	79%
	TOTAL	415	100%
Wet	NOT STARTED	39	14%
	APPROVED TO START	0	0%
	IN PROGRESS	89	33%
	RELOCATED	143	53%
	TOTAL	271	100%

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

CP 1 – Right-of-Way (ROW) Summary

Construction Package	Total Needed Parcels February 29, 2024	Total Parcels Delivered to Date February 29, 2024	Remaining Parcels to be Delivered February 29, 2024
CP 1	1,079	1,064	15

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



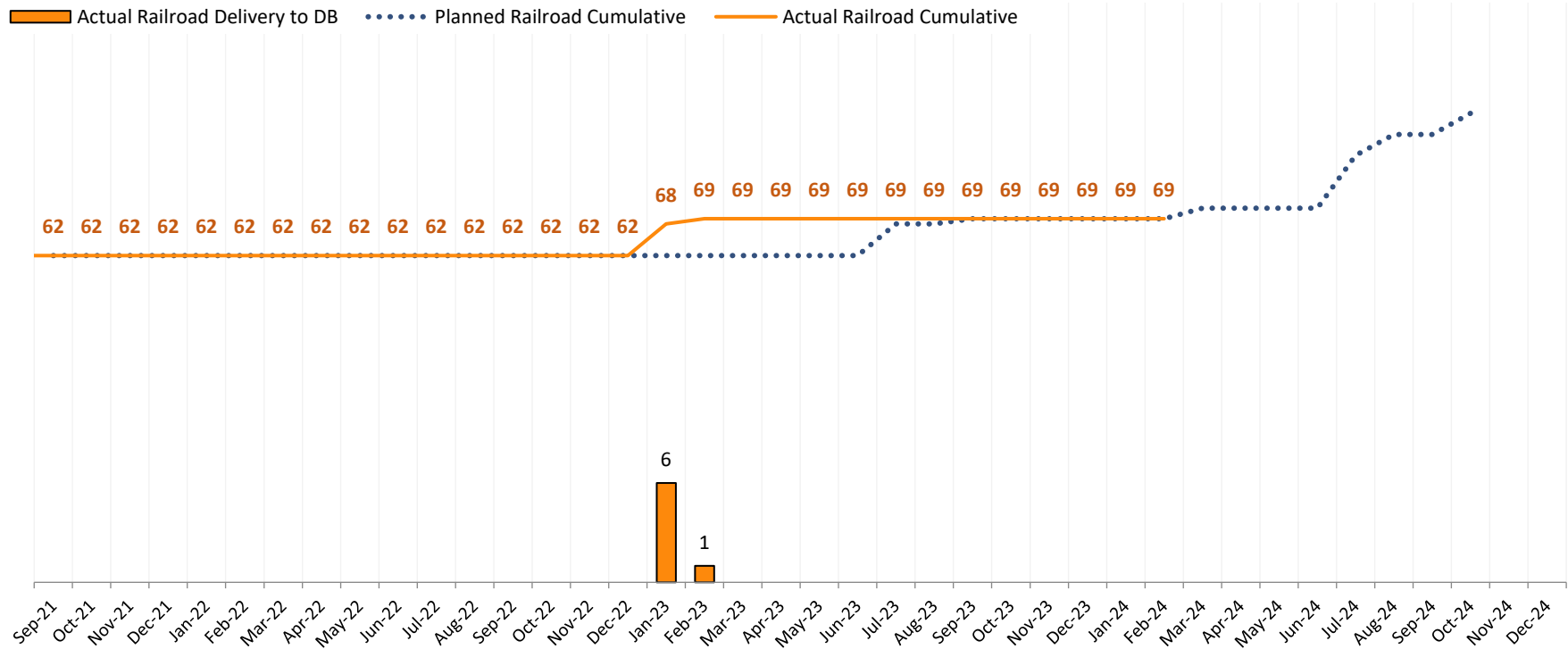
- Notes:**
- This reflects the actual parcels delivered to the Design-Builder by month and forecasts based on Revised Baseline Schedules (RBS) Revision 4.
 - Total Needed Parcels reduced by four parcels in CP 1.

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

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

Construction Package	Total Needed Railroad Parcels February 29, 2024	Total Railroad Parcels Delivered to Date February 29, 2024	Remaining Railroad Parcels to be Delivered February 29, 2024
CP 1	89	69	20

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



Note:

1. This reflects the actual Railroad parcels delivered to Design-Builder by month and updated forecast dates.
2. Total Needed Railroad Parcels and Total Railroad Parcels Delivered increased by five parcels delivered in CP1 previously that were not reported.

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

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

Milestones

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

Contract Value

Description	Amount
Fixed Bid Price:	\$1,205,335,890.00
Provisional Sums:	\$160,000,000.00
Original Contract Price:	\$1,365,335,890.00
Executed Change Orders:	\$2,015,048,420.59
Current Contract Amount:	\$3,380,384,310.59
Approved Invoices to Date:	\$2,483,189,830.07
Remaining Contract Balance:	\$897,194,480.52

Contract Time Status

Description	Duration
Original Contract Days:	1,486
Extension of Time Awarded ⁽³⁾ :	2,406
Current Forecast Contract Days ⁽³⁾ :	3,892
Calendar Days Worked (thru 2/29/2024):	3,141

Expended to Date Percentage

Description	Percentage
Time ⁽³⁾ :	80.7%
Dollars:	73.5%

Growth Percentage

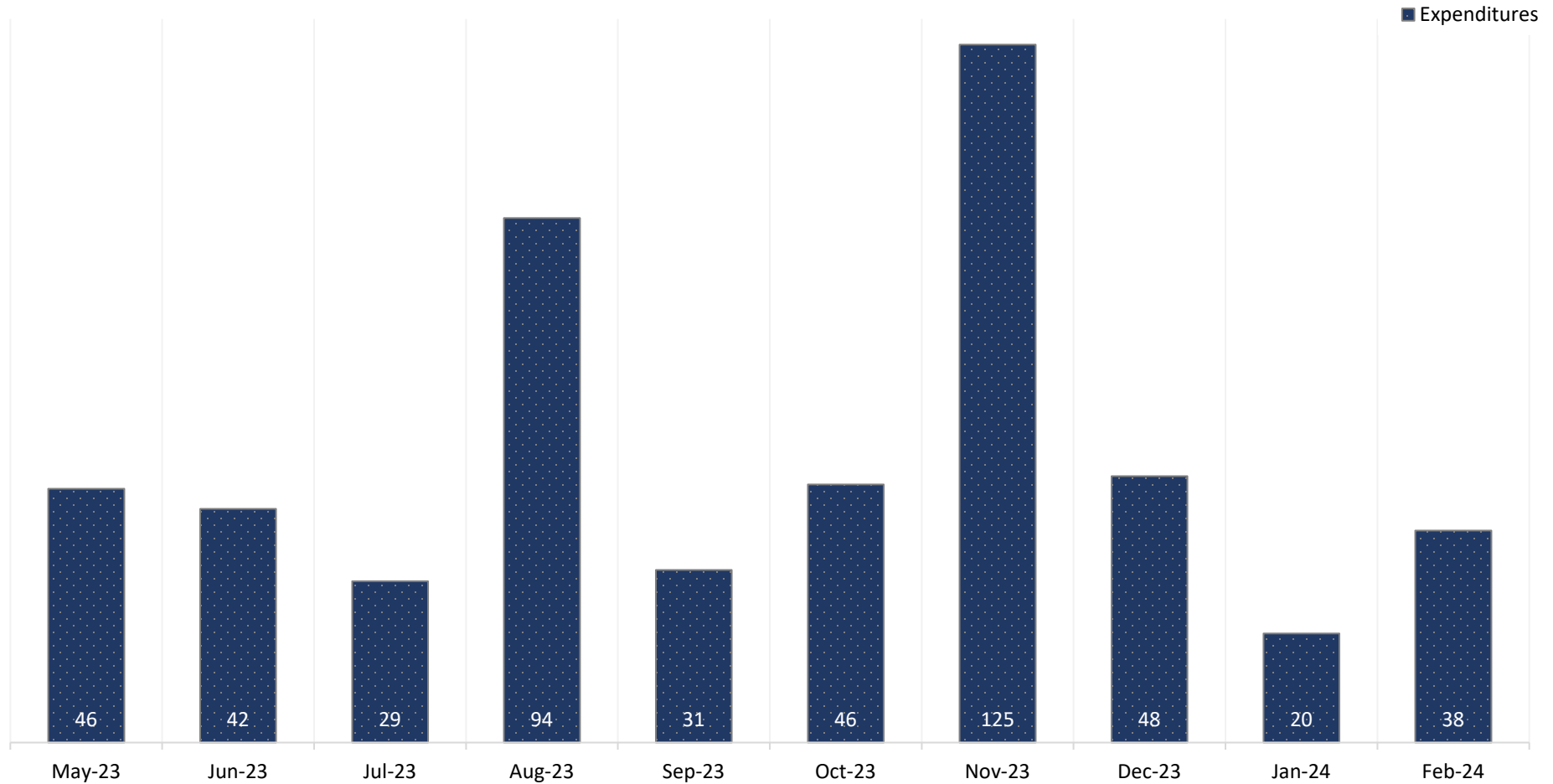
Description	Percentage
Time ⁽³⁾ :	161.9%
Dollars:	147.6%

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 \$38.1M.

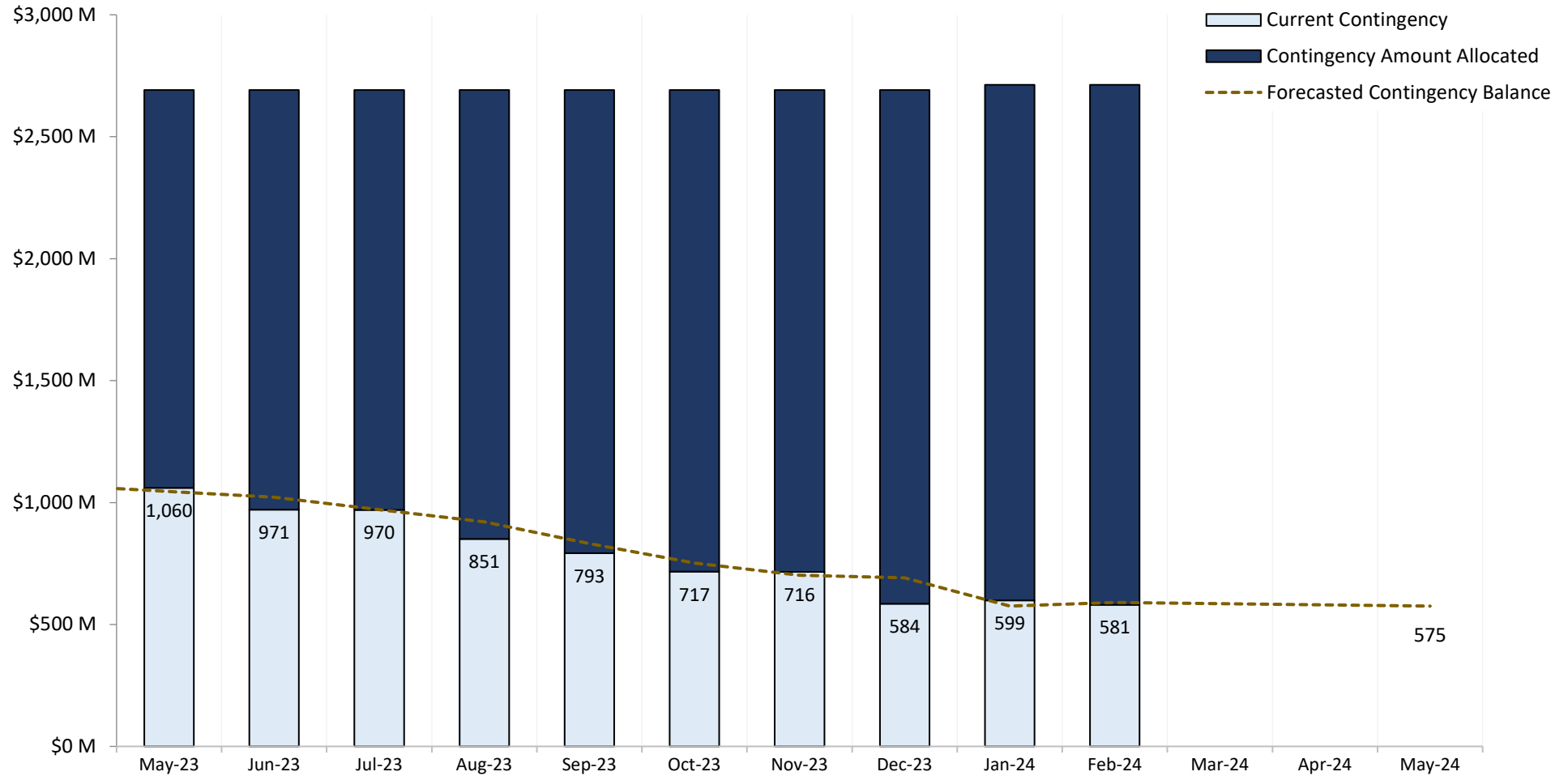
CP 2-3 – Change Orders (CO)

CP 2-3 – Change Order Status

CO Number	Title	Change Status	Amount	Executed Date
336.2	Floral Avenue OH Structure Acceleration	Executed	\$714,525.00	02-13-24
148.4	Hanford Viaduct Substructure Impacts – SR-198 and SJVRR	Executed	\$4,507,640.00	02-27-24
226.1	Nebraska Ave Overhead Additional Spans – Construction	Executed	\$11,476,010.00	02-16-24
259.1	Coopers Ditch RCBC - DL 172 - Construction	Executed	\$537,010.00	02-15-24
336.1	Floral Avenue OH Acceleration – T&M	Executed	\$300,000.00	02-13-24
TOTAL			\$17,535,185.00	

CP 2-3 – Risk Contingency

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

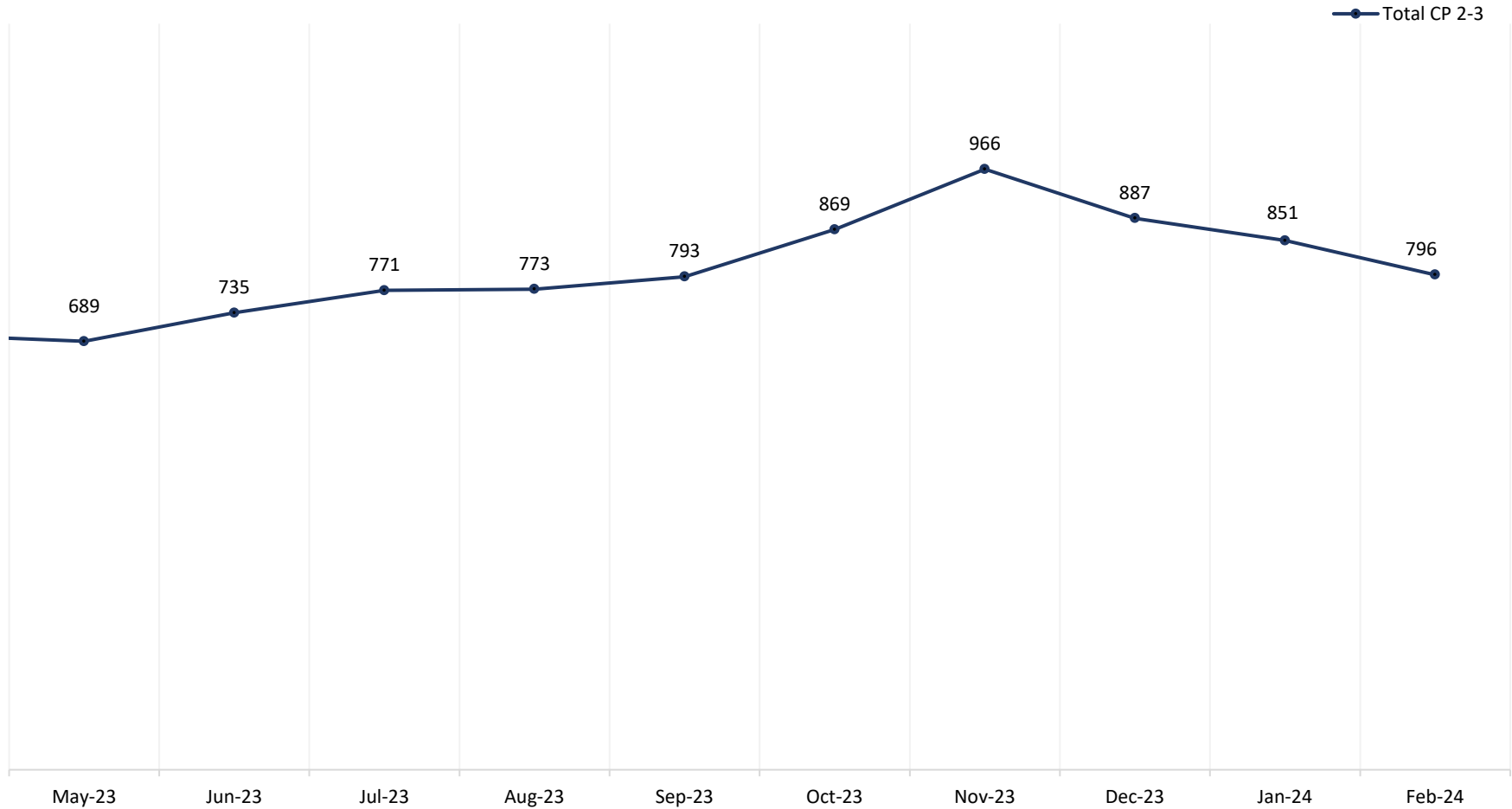


Notes:

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)

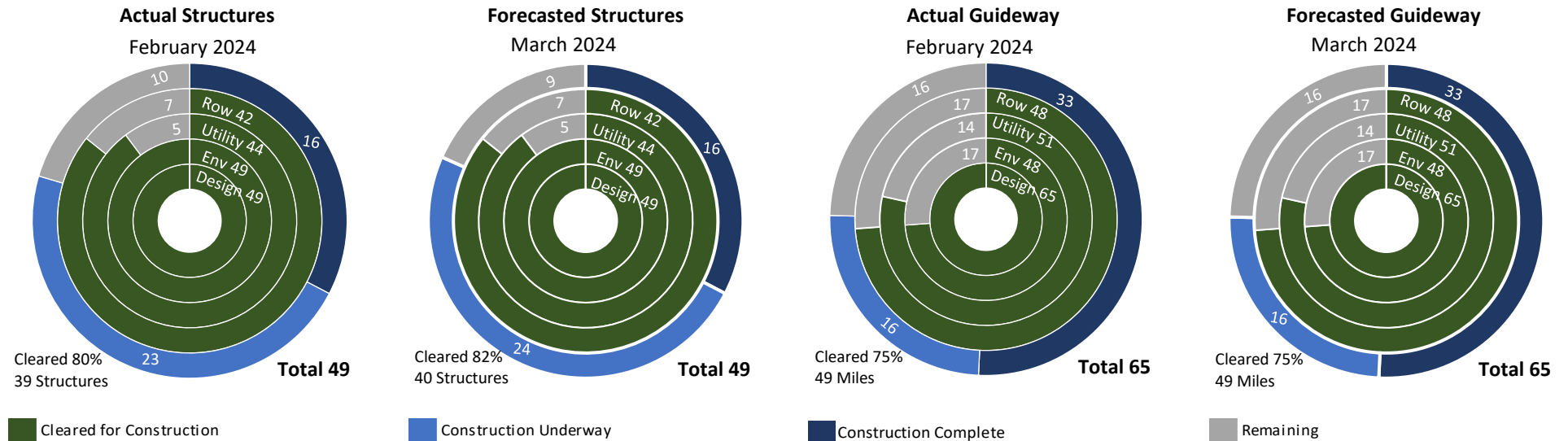


Notes:

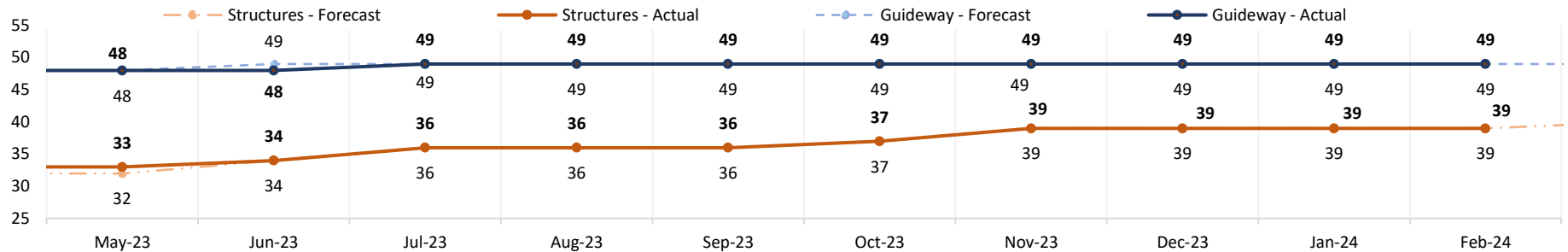
1. The construction labor numbers (full-time employees) are based on the weekly totals divided by the number of weeks within the working calendar month and represents the Average Daily Site Workers (by week).
2. A decrease of 55 workers from the previous month (851).

CP 2-3 – Construction Progress

CP 2-3 – Construction Progress



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



Notes:

- The circle charts above incorporate Revised Baseline Schedules (RBS) Revision 4 data as of September 2022, pending final approval.
- The line chart above incorporates provisional forecast numbers as of September 2022, pending final approval of RBS Revision 4.
- Construction Complete definition:
 - Structure Completion – all concrete work is complete.
 - Guideway Completion – earthworks complete with rough grading.
- Total Structures: 49:
 - 39 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	121	17%
Total Utilities Approved to Start	0	0%
Total Utilities in Progress	68	10%
Total Utilities Relocated	512	73%
Total	701	100%

CP 2-3 – Summary by Utility Type

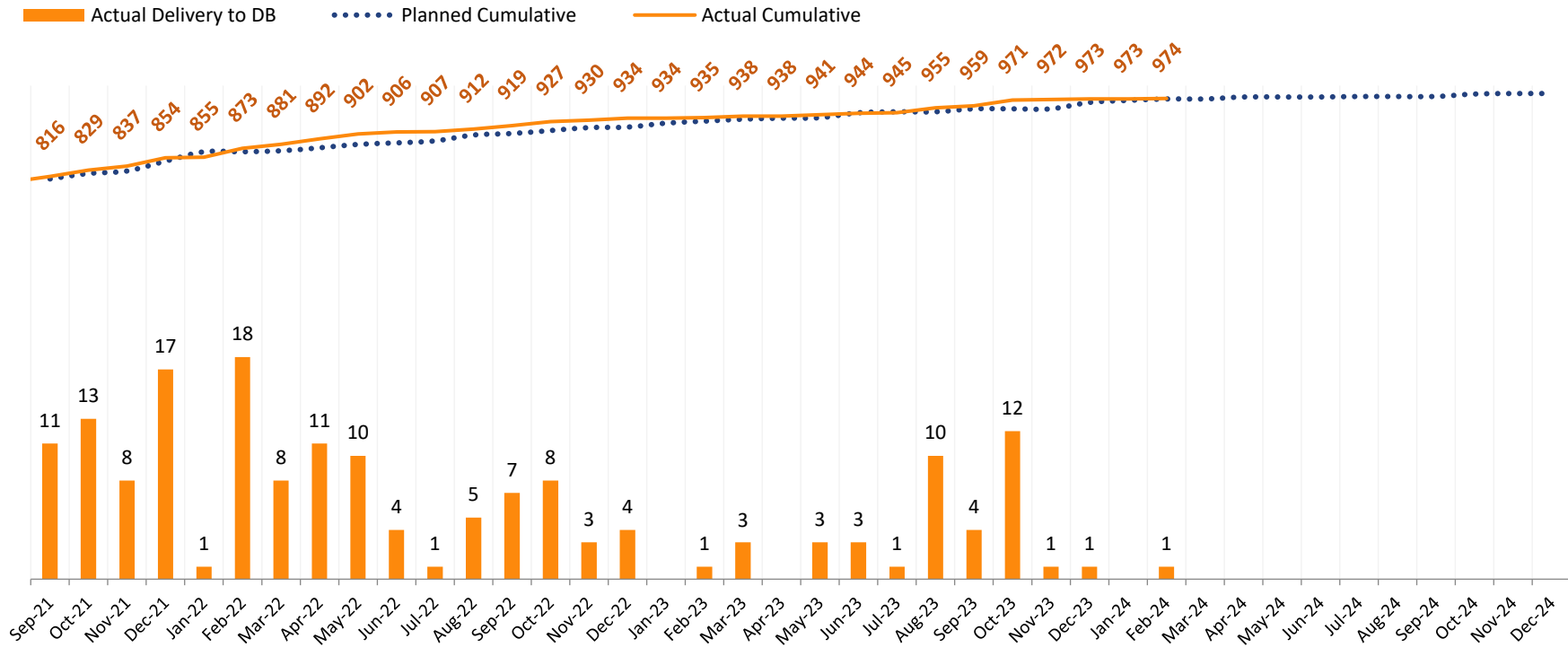
Utility	Status	Utility Relocations	Percentage
Electric	NOT STARTED	96	25%
	APPROVED TO START	0	0%
	IN PROGRESS	30	8%
	RELOCATED	258	67%
	TOTAL	384	100%
Gas	NOT STARTED	10	37%
	APPROVED TO START	0	0%
	IN PROGRESS	0	0%
	RELOCATED	17	63%
	TOTAL	27	100%
Telecom	NOT STARTED	2	1%
	APPROVED TO START	0	0%
	IN PROGRESS	23	10%
	RELOCATED	208	89%
	TOTAL	233	100%
Wet	NOT STARTED	13	23%
	APPROVED TO START	0	0%
	IN PROGRESS	15	26%
	RELOCATED	29	51%
	TOTAL	57	100%

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

CP 2-3 – Right-of-Way (ROW) Summary

Construction Package	Total Needed Parcels February 29, 2024	Total Parcels Delivered to Date February 29, 2024	Remaining Parcels to be Delivered February 29, 2024
CP 2-3	985	974	11

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



Notes:

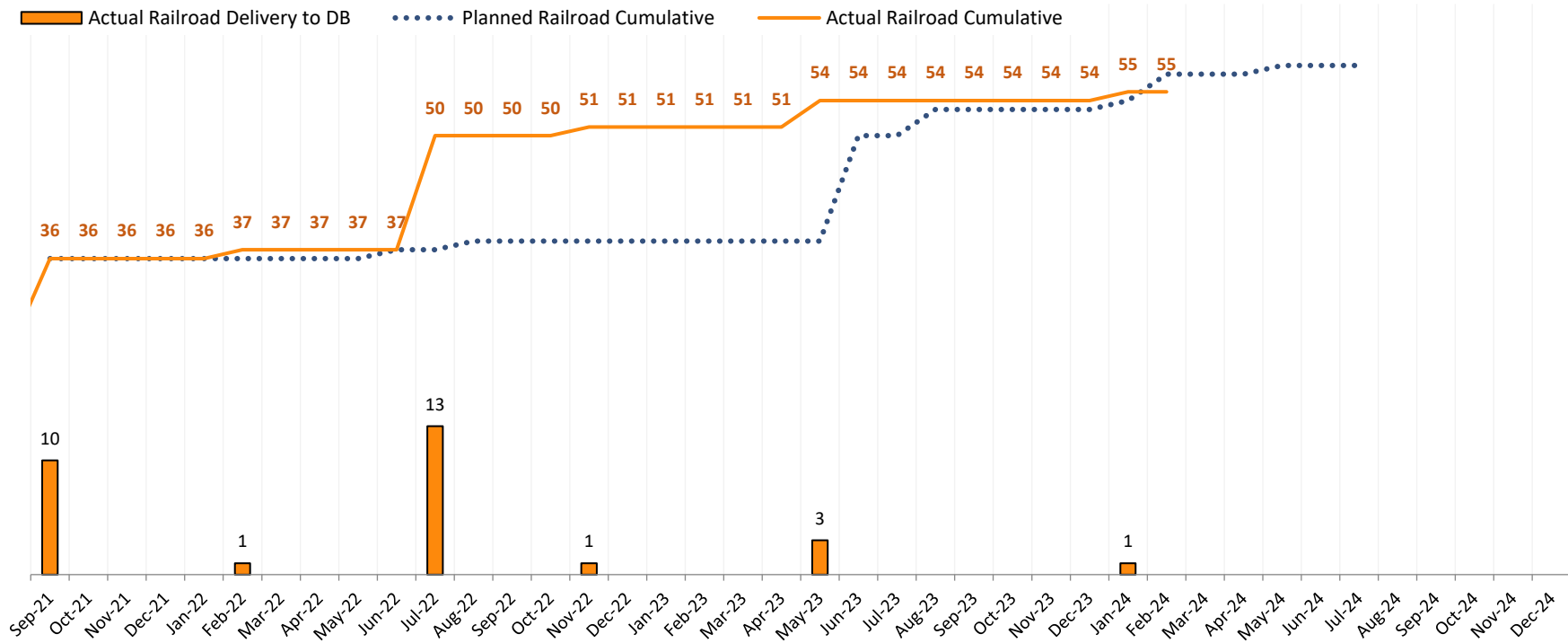
1. This reflects the actual parcels delivered to the Design-Builder by month and forecasts based on Revised Baseline Schedules (RBS) Revision 4.
2. Total Needed Parcels reduced by three parcels in CP 2-3.

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 February 29, 2024	Total Railroad Parcels Delivered to Date February 29, 2024	Remaining Railroad Parcels to be Delivered February 29, 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 forecast dates.

CONSTRUCTION PACKAGE 4 (CP 4) OVERVIEW

CP 4 – Design-Build Contract Summary⁽¹⁾

Milestones

Milestone	Date
Request for Quote (RFQ) Date:	11/20/2014
Statement of Qualification (SOQ) Date:	01/30/2015
Request for Proposal (RFP) Date:	05/27/2015
Proposal:	11/25/2015
Bid Open Date:	01/05/2016
Award Date:	02/29/2016
Late Notice to Proceed (LNTP) Date:	03/01/2016
Notice to Proceed (NTP) Date:	04/15/2016
Original Completion Date:	06/03/2019
Construction Substantial Completion Date⁽²⁾:	Jan 2024
Current Forecast Contract Completion Date ⁽²⁾ :	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:	\$363,883,944.81
Current Contract Amount:	\$808,130,944.81
Approved Invoices to Date:	\$788,497,112.44
Remaining Contract Balance:	\$19,633,832.37

Current Time Status

Description	Duration
Original Contract Days:	1,144
Extension of Time Awarded ⁽³⁾ :	1,680
Current Forecast Contract Days ⁽³⁾ :	2,824
Calendar Days Worked (thru 2/29/2024):	2,876

Expended to Date

Description	Percentage
Time ⁽³⁾ :	101.8%
Dollars:	97.6%

Growth Percentage

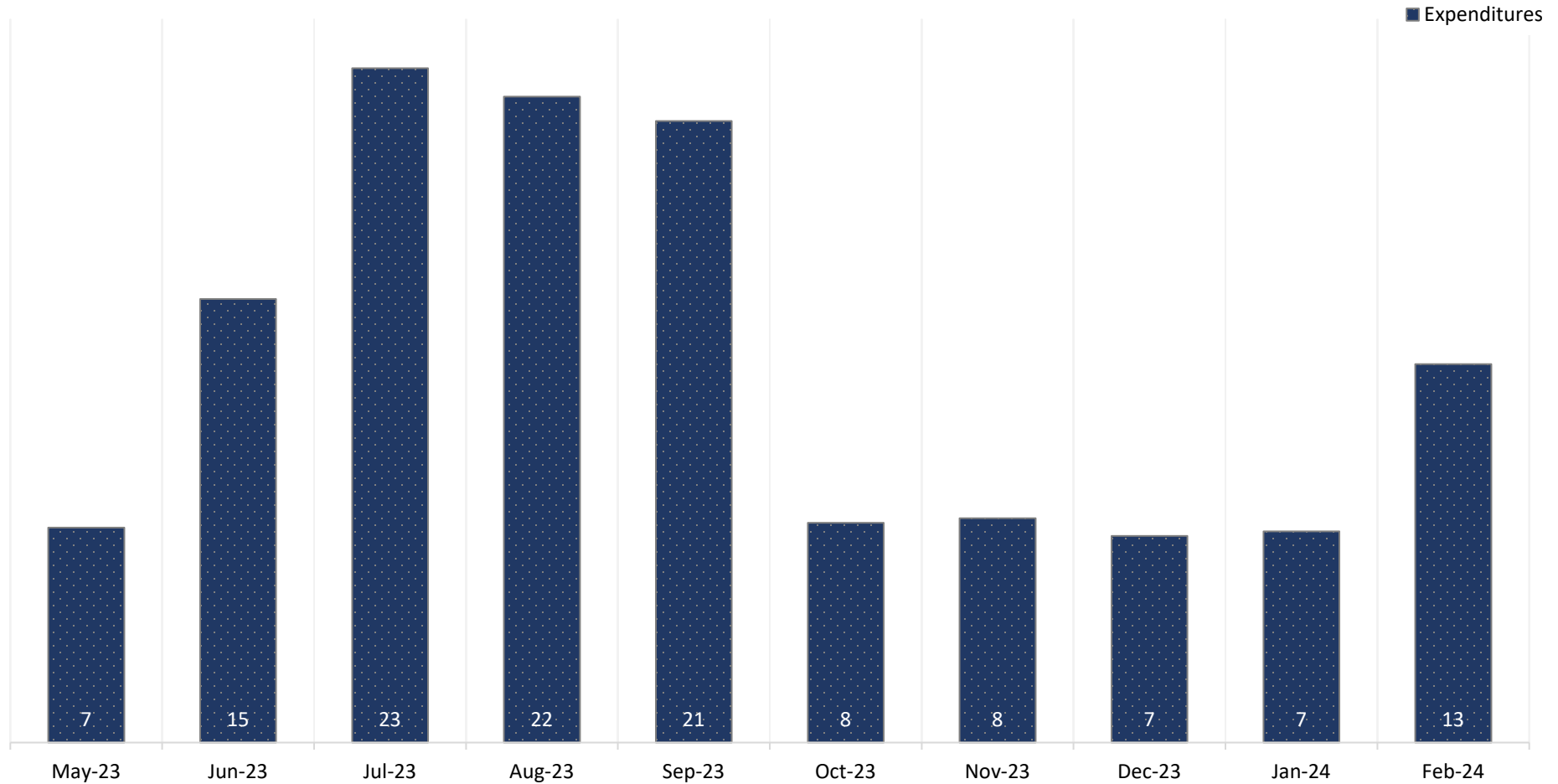
Description	Percentage
Time ⁽³⁾ :	146.9%
Dollars:	81.9%

Notes:

1. Data in this section is sourced from data provided by the PCM – Monthly Status Report.
2. Updated to align with current projected milestone dates of guideway completion while substantial and final completion are pending the agreement of design with the final third-party on canal 9-22 relocation.
3. Contract Time Status (Extension of Time Awarded and Current Forecast Contract Days), Expended to Date (Time), and Growth Percentage (Time) calculation is based on the Current Construction Completion Date.

CP 4 – 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 \$13.1M.

CP 4 – Change Orders (CO)

CP 4 – Change Order Status

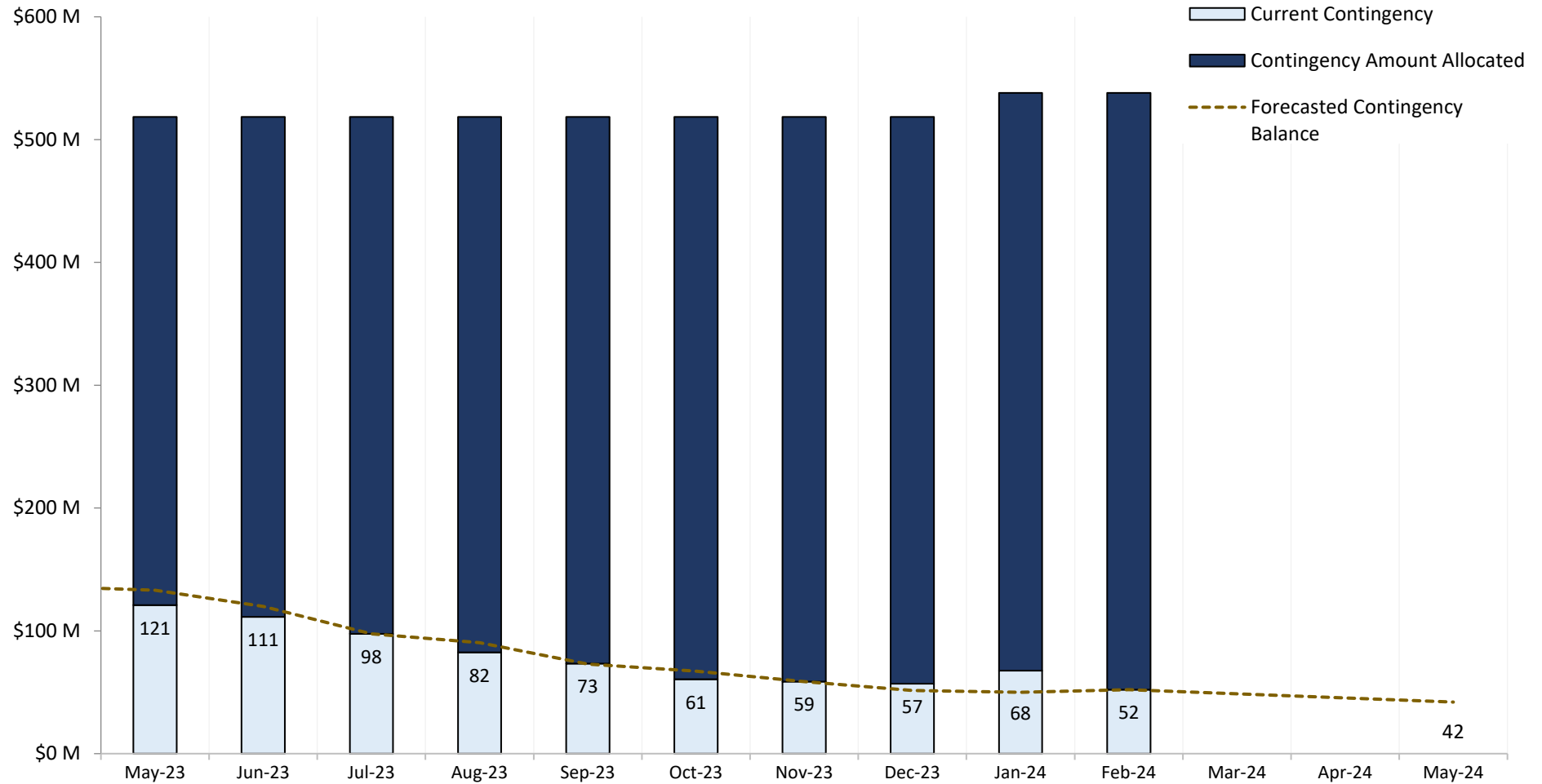
CO Number	Title	Change Status	Amount	Executed Date
163.1	Temporary bypass for Canal 9-22 Realignment	Executed	\$4,039,398.69	02-09-24
92	Differential of Cost for the Construction of Realignment of Canal 9-22	Executed	(\$2,300,805.19)	02-09-24
222	Environmental Monitoring Additional Costs from August 2023 to September 2023	Executed	\$539,010.17	02-20-24
210	North Kern Water Storage District Additional Costs Not Covered Under the Contract - 11th Submission	Executed	\$10,241.54	02-21-24
215	North Kern Water Storage District Additional Costs Not Covered Under the Contract - 12th Submission	Executed	\$22,350.16	02-21-24
165.2	Semitropic Water Storage District Construction Costs Ceiling Increase Request	Executed	\$11,038,462.32	02-23-24
220	Environmental Monitoring Additional Costs from July 2023 to August 2023	Executed	\$752,237.11	02-23-24
TOTAL			\$14,100,894.80	

Notes:

1. On February 9, 2024, CO163.1 was executed in the amount of \$4,039,398.69. Part of the amount for CO163.1 includes a transfer of \$2,300,805.19 of unspent funds that were originally included in CO92, which was executed on 7/27/2021. To capture the transfer in funds, CO92 is being revised and the original amount of \$2,632,327.07 is being reduced to \$331,521.88, which is the amount of funds heretofore spent under CO92.

CP 4 – Risk Contingency

CP 4 – Risk Contingency Status (\$ Millions)

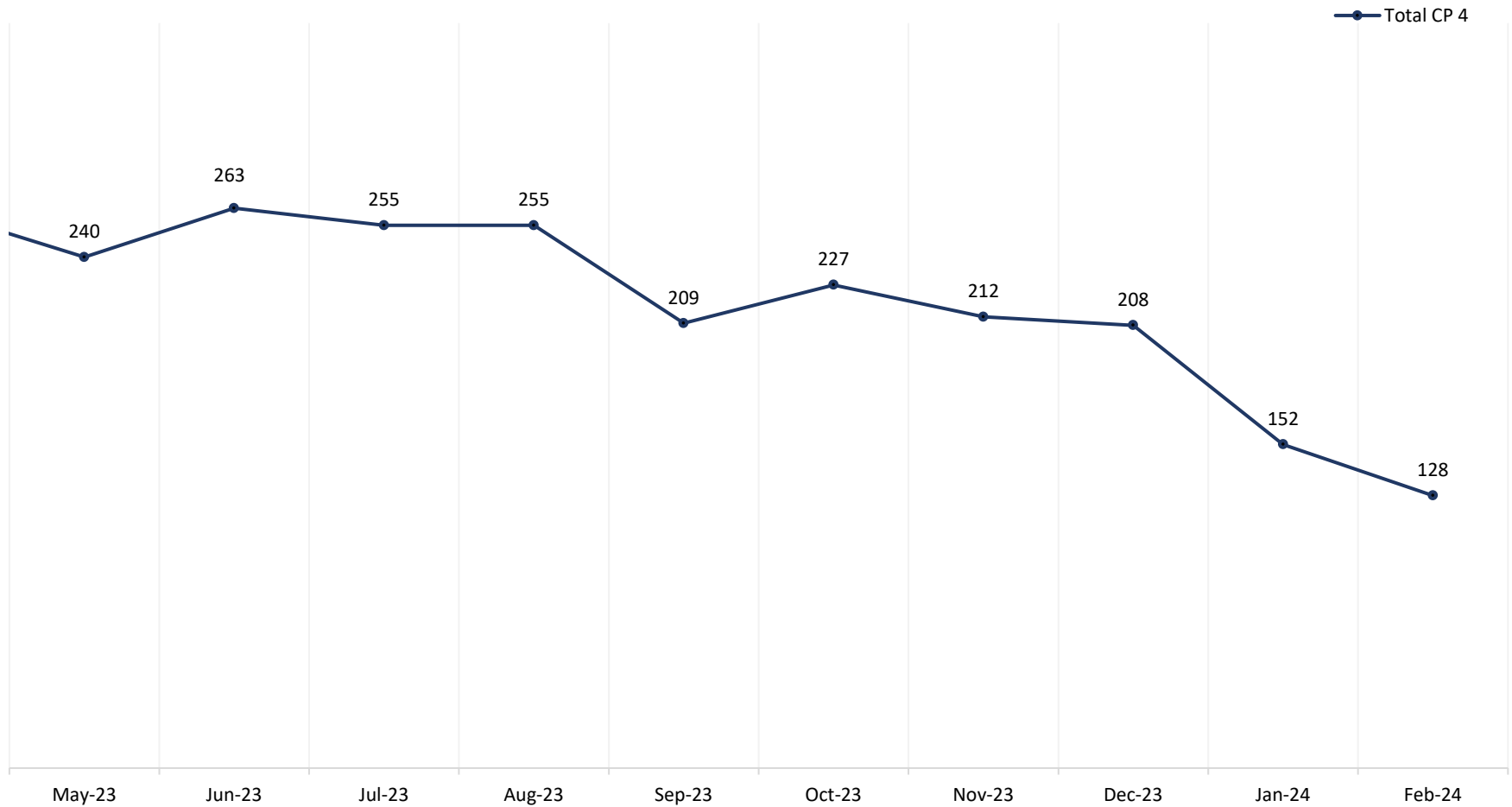


Notes:

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

CP 4 – Monthly Construction Labor

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

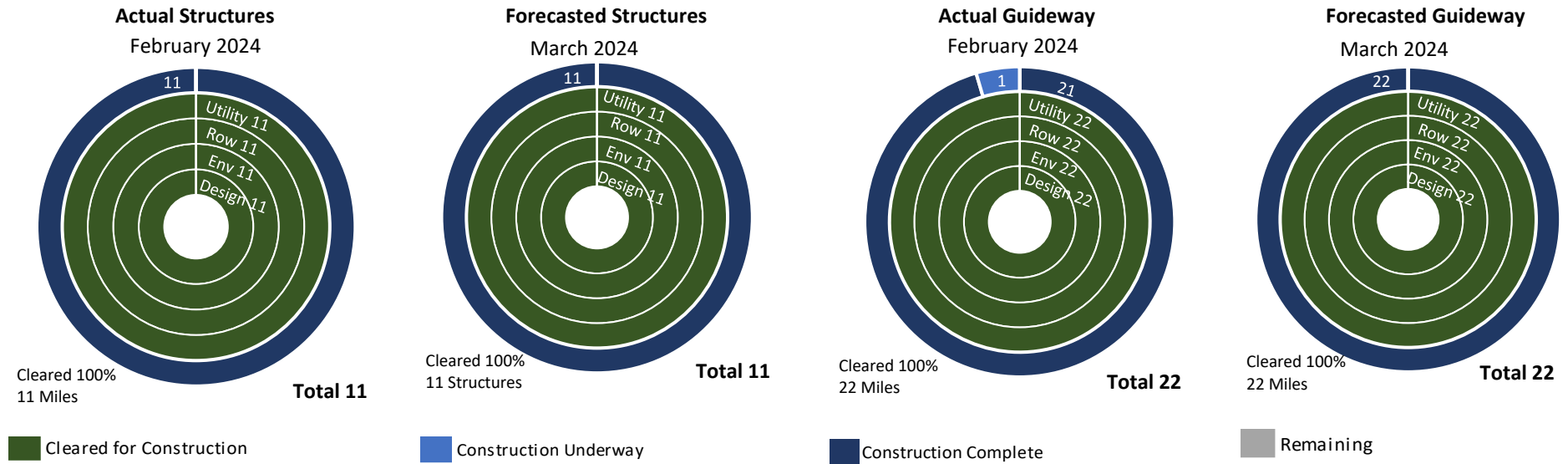


Notes:

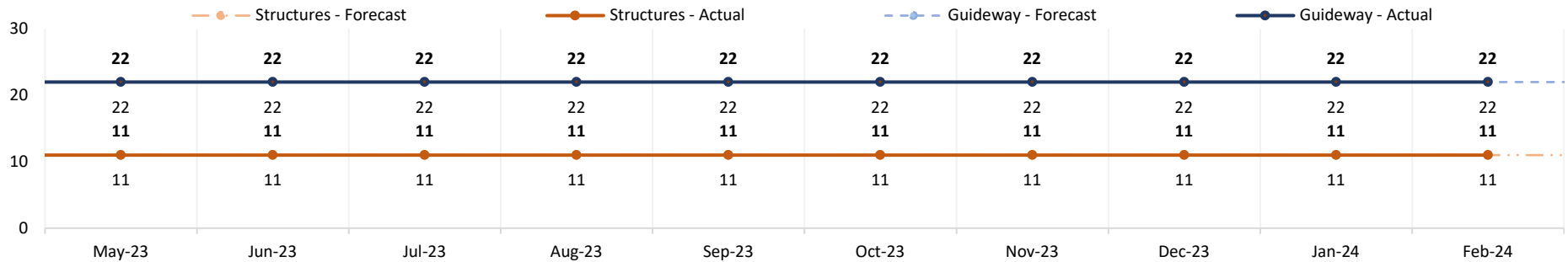
1. The construction labor numbers (full-time employees) are based on the weekly totals divided by the number of weeks within the working calendar month and represents the Average Daily Site Workers (by week).
2. A decrease of 24 from the previous month (152).

CP 4 – Construction Progress

CP 4 – Construction Progress



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



Notes:

1. The circle charts above incorporate Revised Baseline Schedules (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 actual miles for CP 4 are 21.5 miles but rounded to 22 miles for consistency in reporting:
 - a. 22 miles underway/construction complete.

CP 4 – Utility Relocation Summary

CP 4 – High Level Summary

Status	Utility Relocations	Percentage
Total Utilities Not Started	0	0%
Total Utilities Approved to Start	0	0%
Total Utilities in Progress	14	10%
Total Utilities Relocated	129	90%
Total	143	100%

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%
	TOTAL	62	100%
Gas	NOT STARTED	0	0%
	APPROVED TO START	0	0%
	IN PROGRESS	0	0%
	RELOCATED	7	100%
	TOTAL	7	100%
Telecom	NOT STARTED	0	0%
	APPROVED TO START	0	0%
	IN PROGRESS	0	0%
	RELOCATED	32	100%
	TOTAL	32	100%
Wet	NOT STARTED	0	0%
	APPROVED TO START	0	0%
	IN PROGRESS	14	33%
	RELOCATED	28	67%
	TOTAL	42	100%

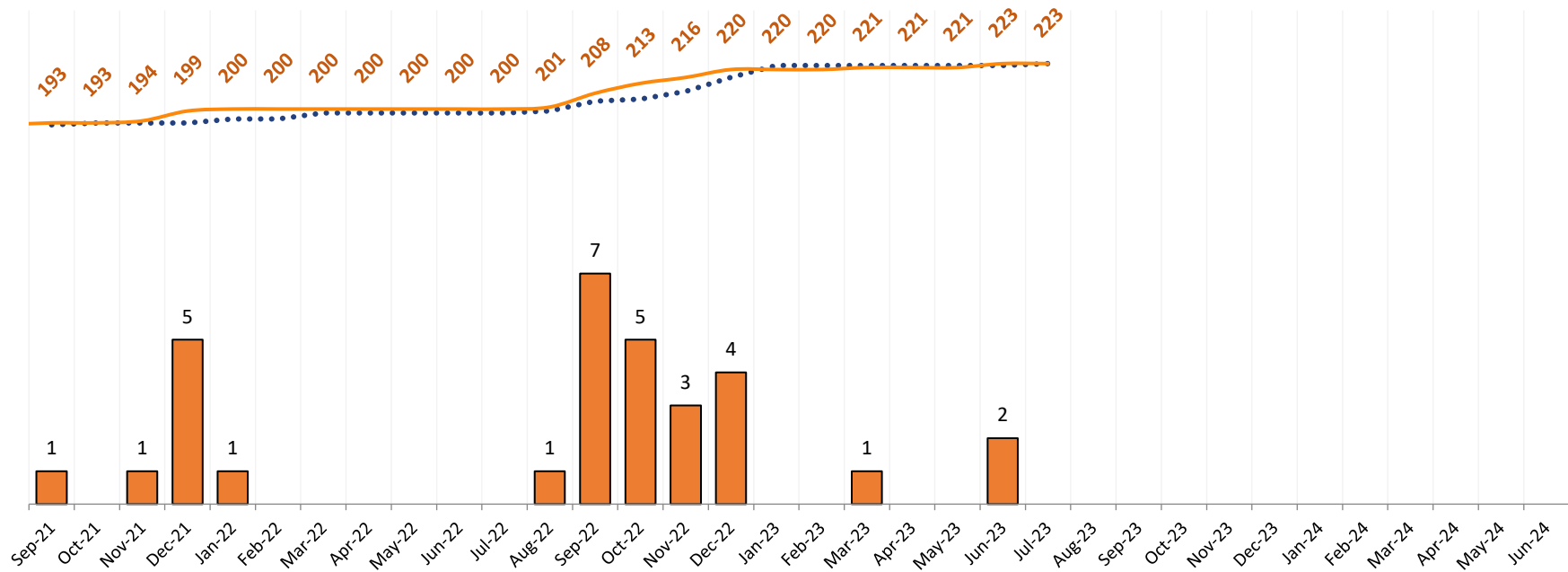
CP 4 – Real Property/Right-of-Way (ROW)

CP 4 – Right-of-Way (ROW) Summary

Construction Package	Total Needed Parcels February 29, 2024	Total Parcels Delivered to Date February 29, 2024	Remaining Parcels to be Delivered February 29, 2024
CP 4	223	223	0

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

█ Actual Delivery to DB
 ⋯ Planned Cumulative
 — Actual Cumulative



Notes:

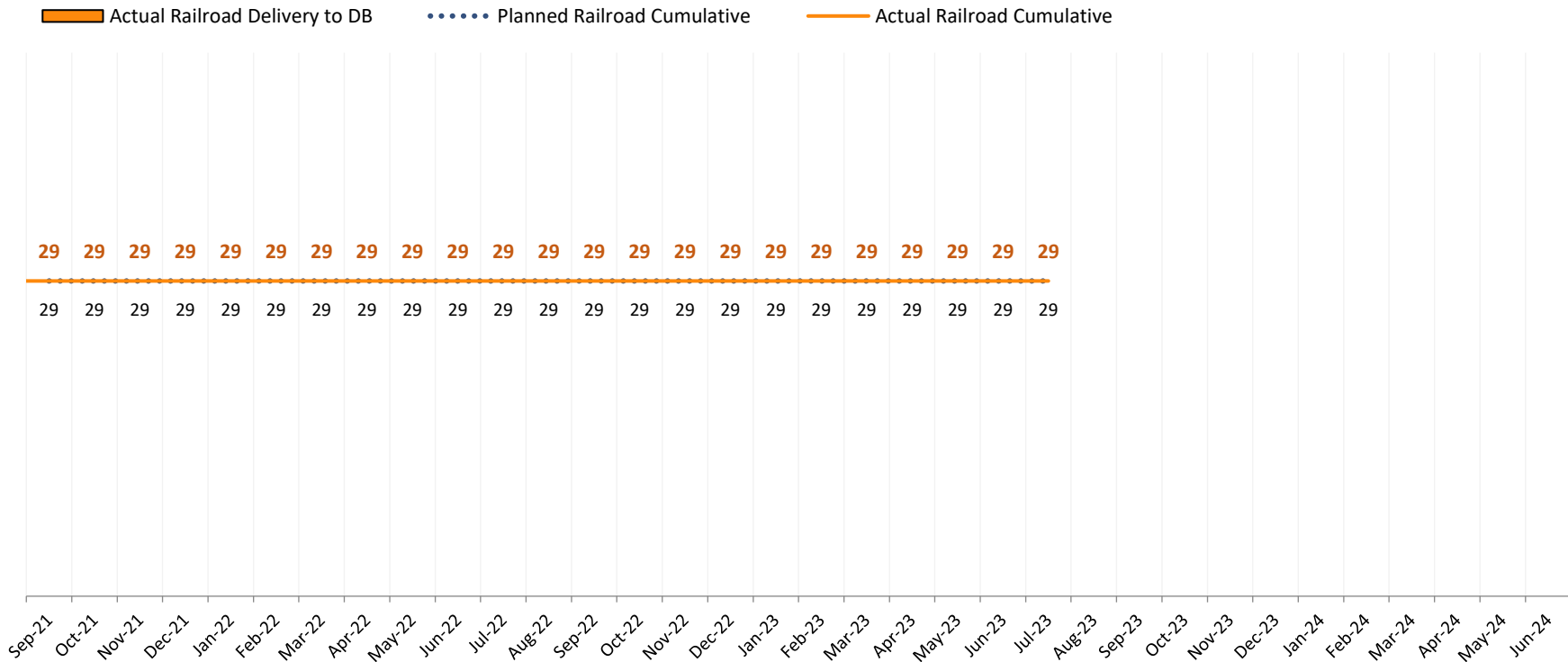
1. This reflects the actual parcels delivered to the Design-Builder by month compared to the Revised Baseline Schedule (RBS) Revision 3.

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

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

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

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



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

Project Development Schedule (to ROD)

Program Priority	Segment	Progress	Complete Purpose and Need Statement		Complete Alternatives Analysis		Board Concurrence of Preliminary Preferred Alt. Draft EIR/EIS		Publish Draft EIR/EIS		Publish Final EIS and Obtain ROD		Date EIR/EIS To Be Completed	
			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 ¹	Oct-24 Oct-24 ¹	Nov-25 Nov-25 ¹	Nov-25 Nov-25 ¹	Dec-25 ¹	Dec-25 ¹
2	Palmdale to Burbank	Plan Forecast % Complete	Complete 100%	Complete 100%	Complete 100%	Complete 100%	Complete 100%	Complete 100%	Complete 100%	Complete 100%	Dec-23 Apr-24	Dec-23 Apr-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

Note:

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
San Francisco To San Jose	Environmental Clearance activities complete. Authority is currently in settlement discussions for ongoing litigation activities.
San Jose To Merced	Environmental Clearance activities complete. The Authority is participating in post-Record of Decision (ROD) coordination with external stakeholders such as the Transportation Authority of Monterey County, Grasslands Water District, City of San Jose, and others.
Central Valley Wye	Conducted monthly progress meeting with County of Madera on Fairmead mitigation projects. Environmental Clearance activities complete. Transition to Merced Extension (Merced to Madera).
Locally Generated Alternative	Environmental Clearance activities complete. Transition to Bakersfield Extension (LGA).
Bakersfield To Palmdale	Work through Notice of Determination/Record of Decision (NOD/ROD) has been completed. The Authority has continued to meet with key stakeholders (e.g., Center for Biological Diversity, City of Palmdale) as necessary.
Palmdale To Burbank	After addressing comments from the Cooperating Agencies on the Administrative Final EIR/EIS, Sener submitted all 4 volumes of the Final EIR/EIS on February 16, 2024 for Authority review. Major activities on this project section included finalizing response to comments, preparing the Final EIR/EIS, and preparing permitting documents.
Burbank To Los Angeles	Work through NOD/ROD has been completed. Project closeout activities are ongoing. Authority is currently in settlement discussions for ongoing litigation activities.
Los Angeles To Anaheim	During the month of February 2024, the LA-A project team held virtual information sessions / project briefings with: LA Metro, Riverside County Transportation Commission (RCTC), Orange County Transportation Authority (OCTA), the City of Pico Rivera, the City of Buena Park and the City of Fullerton and participated in on-going monthly meetings with HSR LA-A Regulatory Agencies and Caltrans. Other activities included: continued reviewing deliverables and advancing documentation in support of the Staff Recommended Preferred Alternative towards completion and presentation to the HSR Board for approval during Q2 2024.

Project Development (Post-ROD) – Key Actions Summary

Project Section	Key Actions
Merced Extension (Merced to Madera)	Stantec Inc., under agreement HSR 22-02, continues to make progress on the 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 is evaluating the recommendations that came through the Value Engineering (VE) and Value Analysis (VA) process. Final direction will be provided to the consultant in mid-April 2024, which will be incorporated into the design. On January 18, 2024, the Board approved NTP-2 to advance to 100% design and construction ready documents in stage 4.

**Fresno to Bakersfield
Locally Generated
Alternative (LGA)**

HNTB Corporation (HNTB), under agreement HSR 22-01, continues to make progress on the 30% design goals for this Project. The LGA and HNTB teams have been holding various over the shoulder design reviews with the HSR Engineering Team to assist with design progression. The LGA team has met with the FRA for the first monthly update meeting related to the CRISI Grant award for 6 BNSF grade separations through the City of Shafter. The ROW acquisition plan, priority parcels acquisition and sequencing of full-takes and partial takes, and anticipated impacts to the project schedule are currently under development for both the Shafter area associated with the recent grant award and the remainder of the alignment from Riverside St to the F St Station. Third Party coordination is continuing to advance with the local agencies and utility companies, and reimbursement agreements are in various stages of negotiations with these stakeholders. The LGA team has completed the Value Analysis Study and is evaluating the proposed options for potential recommendations for inclusion into the design package. HNTB submitted the Draft Configuration Footprint to the Authority on December 29, 2023, and it was accepted by the Authority on January 16, 2024.