



Finance & Audit Committee

CENTRAL VALLEY STATUS REPORT

November 7, 2024 Report (Data Through August 31, 2024)

Executive Summary

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

- August 2024 Expenditures totaled \$97.8M.
 - Construction Package 1 – Expenditures totaled \$52.0M. (Page 13)
 - Construction Package 2-3 – Expenditures totaled \$38.9M. (Page 21)
 - Construction Package 4 – Expenditures totaled \$7.0M. (Page 29)
- Total CP Cumulative Actual Expenditures – \$6,274.0M. (Pages 11, 20, 28)
- Total Cumulative Current Contract Amount – \$8,176.7M. (Pages 11, 20, 28)

Change Orders

- Executed Change Orders this period – 19 for a total of \$23.7M:
 - Construction Package 1 – 12 for a total of \$15.9M. (Page 14)
 - Construction Package 2-3 – 3 for a total of \$2.3M. (Page 22)
 - Construction Package 4 – 4 for a total of \$5.6M. (Page 30)

Risk Contingency

- Program Contingency Remaining is 10.4%.

CP Construction Labor (Page 5)

- August 2024, Average Daily Site Workers (by week) – 1,535 workers. A decrease of 12 workers from the previous period (1,547).
 - Construction Package 1 - 437 workers. An increase of 61 workers from the previous month (376). (Page 15)
 - Construction Package 2-3 - 1,050 workers. A decrease of 63 workers from the previous month (1,113). (Page 23)
 - Construction Package 4 - 48 workers. A decrease of 10 workers from the previous month (58). (Page 31)
- 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 6)

- Structures – 83 underway/construction complete compared to 93 structures total (89%). One structure started and one structure completed in August 2024.
 - Construction Package 1 – 29 structures underway/construction complete (11 underway, 18 completed).
 - Construction Package 2-3 – 43 structures underway/construction complete (23 underway, 20 completed). One structure started (Corcoran Highway) and one structure completed (Ave. 24) in August 2024.
 - Construction Package 4 – 11 of 11 structures completed.
- Guideway – 94 miles underway/construction complete compared to 119 miles total (79%). Two miles started and one mile completed in August 2024.
 - Construction Package 1 – 20 miles underway/construction complete (18 underway, 2 completed).
 - Construction Package 2-3 – 52 miles underway/construction complete (16 underway, 36 completed). Two miles started (Ave. 88 to Deer Creek) and one mile completed (Houston Ave. to Idaho Ave.) in August 2024.
 - Construction Package 4 – 22 miles underway/construction complete (1 underway, 21 completed).

Utility Relocations Status (Page 7)

- Relocated: 1,412 (77%); In Progress: 212 (12%); Approved to Start: 0 (0%); Not Started: 212 (11%); Total: 1,836. A total of 17 relocated in August 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: 715 (72%); In Progress: 157 (16%); Approved to Start: 0 (0%); Not Started: 120 (12%); Total: 992.
 - Construction Package 2-3 – Relocated: 564 (81%); In Progress: 45 (6%); Approved to Start: 0 (0%); Not Started: 92 (13%); Total: 701.
 - Construction Package 4 – Relocated: 133 (93%); In Progress: 10 (7%); Approved to Start: 0 (0%); Not Started: 0 (0%); Total: 143.

CP Real Property/Right-of-Way (ROW) (Pages 9 - 10)

- Total Parcels Delivered to Date – 2,270 parcels compared to an estimated 2,289 parcels needed.
- Parcels Delivered to Design-Builder (DB) – Five parcels from CP 2-3 in August 2024.
- Construction Packages 1-4 – Zero parcels added and one parcel removed for CP 1. 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 August 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 36 - 37)

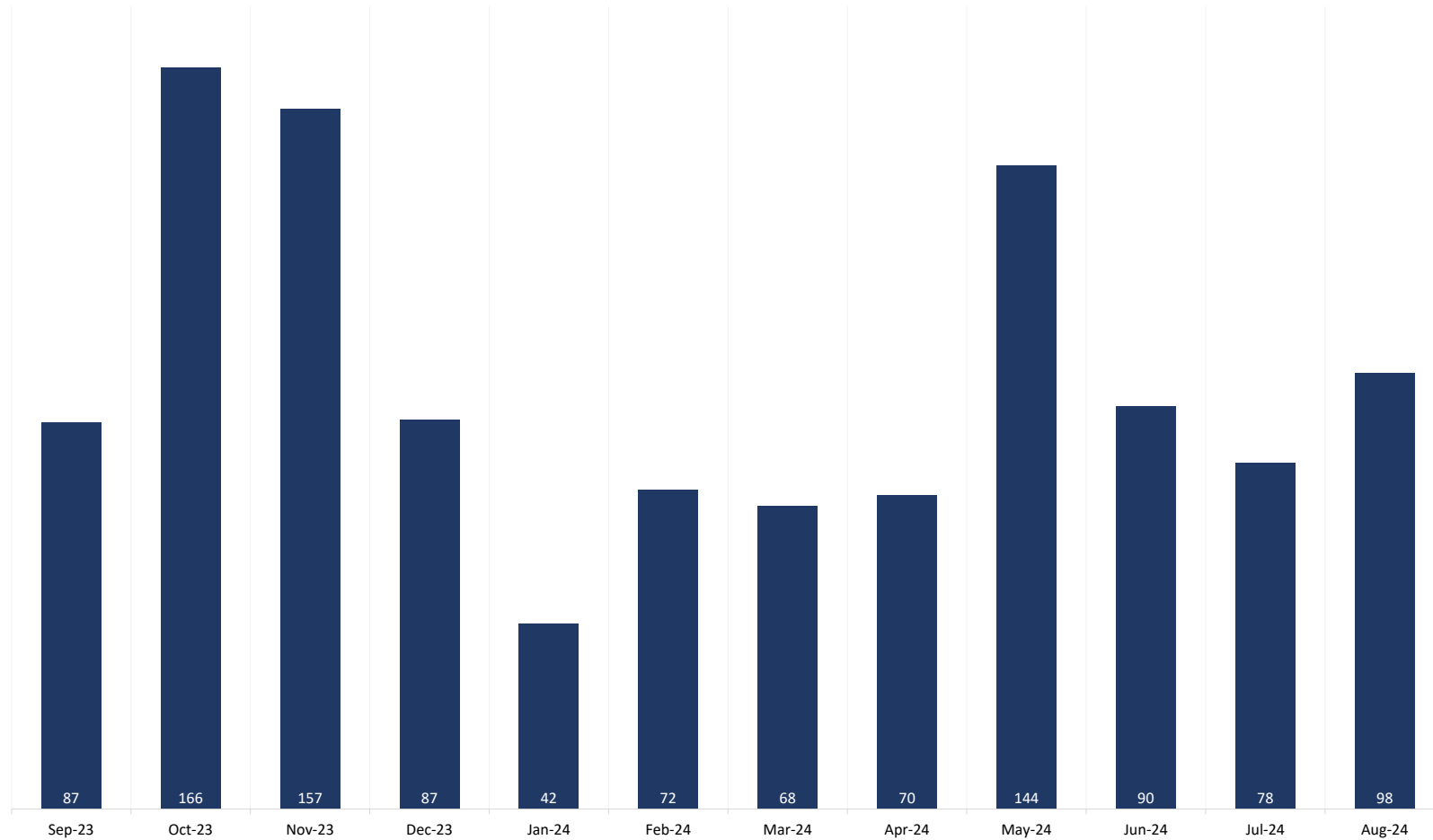
- San Francisco to San Jose – Work through NOD/ROD has been completed. Staff finalizing the Administrative Record.
- San Jose to Merced – Work through NOD/ROD has been completed. Staff finalizing the Administrative Record.
- Bakersfield to Palmdale – Work through NOD/ROD has been completed. Continued meeting with key stakeholders, including the Center for Biological Diversity.
- Palmdale to Burbank – Work through NOD/ROD has been completed. Staff finalizing the Administrative Record.
- Burbank to Los Angeles – Work through NOD/ROD has been completed. Project closeout activities are ongoing.
- Los Angeles to Anaheim – Admin Draft Environmental Impact Report/Environmental Impact Statement (EIR/EIS) anticipated to be released by the end of Q3 2024. NOD/ROD anticipated in late 2025.

Project Development (Post-Record of Decision) Schedule (Page 37)

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

CP 1-4 – Design-Build Expenditures

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

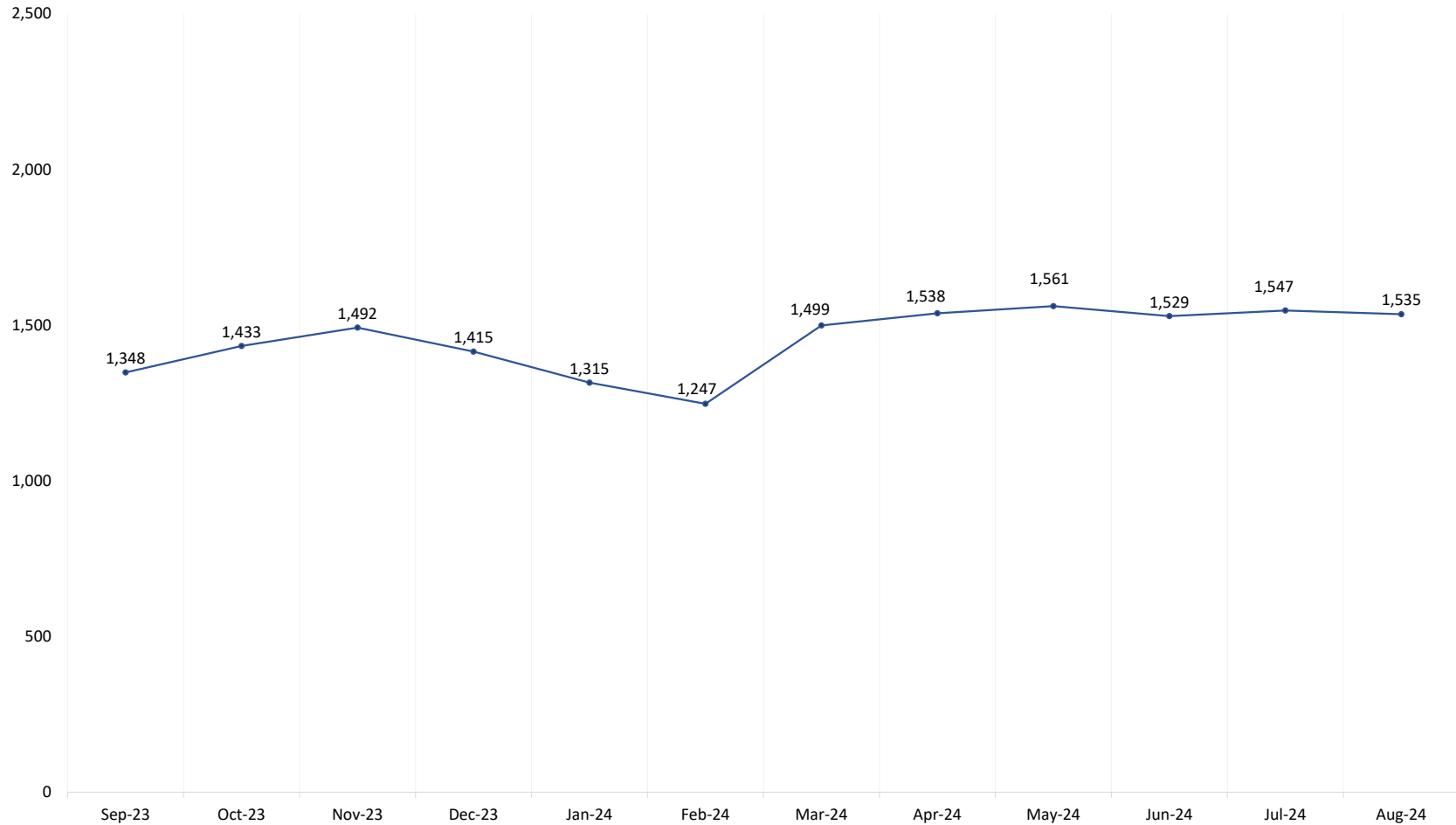


Notes:

1. August 2024 Expenditures totaled \$97.8M.
 - a. Construction Package 1 – Expenditures totaled \$52.0M.
 - b. Construction Package 2-3 – Expenditures totaled \$38.9M.
 - c. Construction Package 4 – Expenditures totaled \$7.0M.

CP 1-4 – Monthly Construction Labor

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

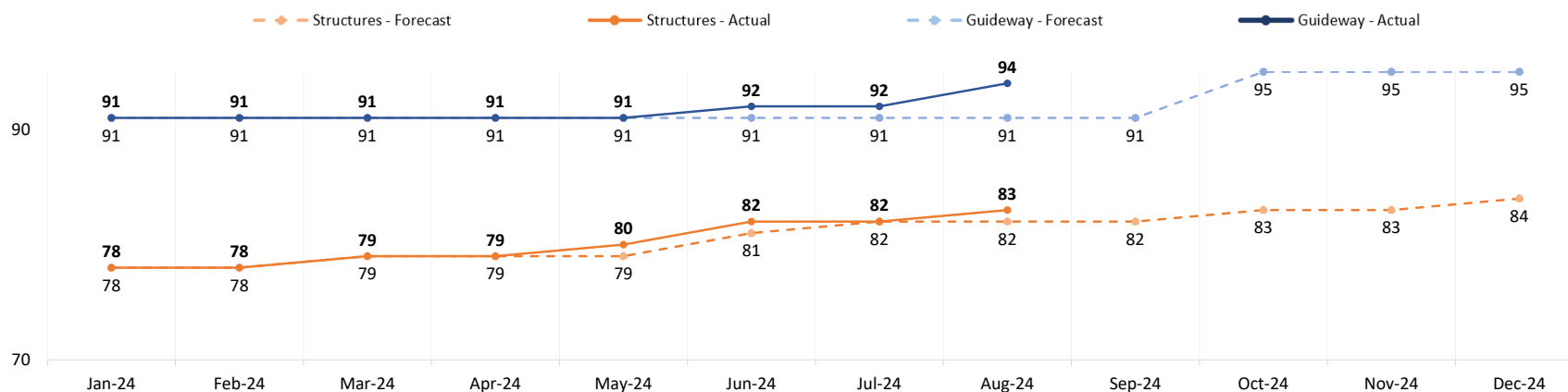


Notes:

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. August 2024, Average Daily Site Workers (by week) – 1,535 workers. A decrease of 12 workers from the previous period (1,547).
 - a. Construction Package 1 (Page 17) – 437 workers. An increase of 61 workers from the previous month (376).
 - b. Construction Package 2-3 (Page 26) – 1,050 workers. A decrease of 63 workers from the previous month (1,113).
 - c. Construction Package 4 (Page 36) – 48 workers. A decrease of 10 workers from the previous month (58).

CP 1-4 – Construction Progress

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



Monthly Construction Status – Underway vs. Completed

Construction	CP 1		CP 2-3		CP 4		Overall		Total
	Underway	Completed	Underway	Completed	Underway	Completed	Underway	Completed	
Guideway	18	2	16	36	1	21	35	59	94
Structures	11	18	23	20	0	11	34	49	83

Notes:

- Construction Complete definition:
 - Structure Completion – all concrete work is complete.
 - Guideway Completion – earthworks complete with rough grading.
- Total Structures: 93.
- Structures – 83 underway/construction complete compared to 93 structures total (89%). One structure started and one structure completed in August 2024.
 - CP 1 – 29 structures underway/construction complete.
 - CP 2-3 – 43 structures underway/construction complete. One structure started (Corcoran Highway) and one structure completed (Ave. 24) in August 2024.
 - CP 4 – 11 of 11 structures completed.
- Total Guideway: approximately 119 miles.
- Guideway – 94 miles underway/construction complete compared to 119 miles total (79%). Two miles started and one mile completed in August 2024.
 - CP 1 – 20 miles underway/construction complete.
 - CP 2-3 – 52 miles underway/construction complete. Two miles started (Ave. 88 to Deer Creek) and one mile completed (Houston Ave. to Idaho Ave.) in August 2024.
 - CP 4 – 22 miles underway/construction complete. The total miles for CP 4 are 21.5 miles but rounded to 22 miles for consistency in reporting.

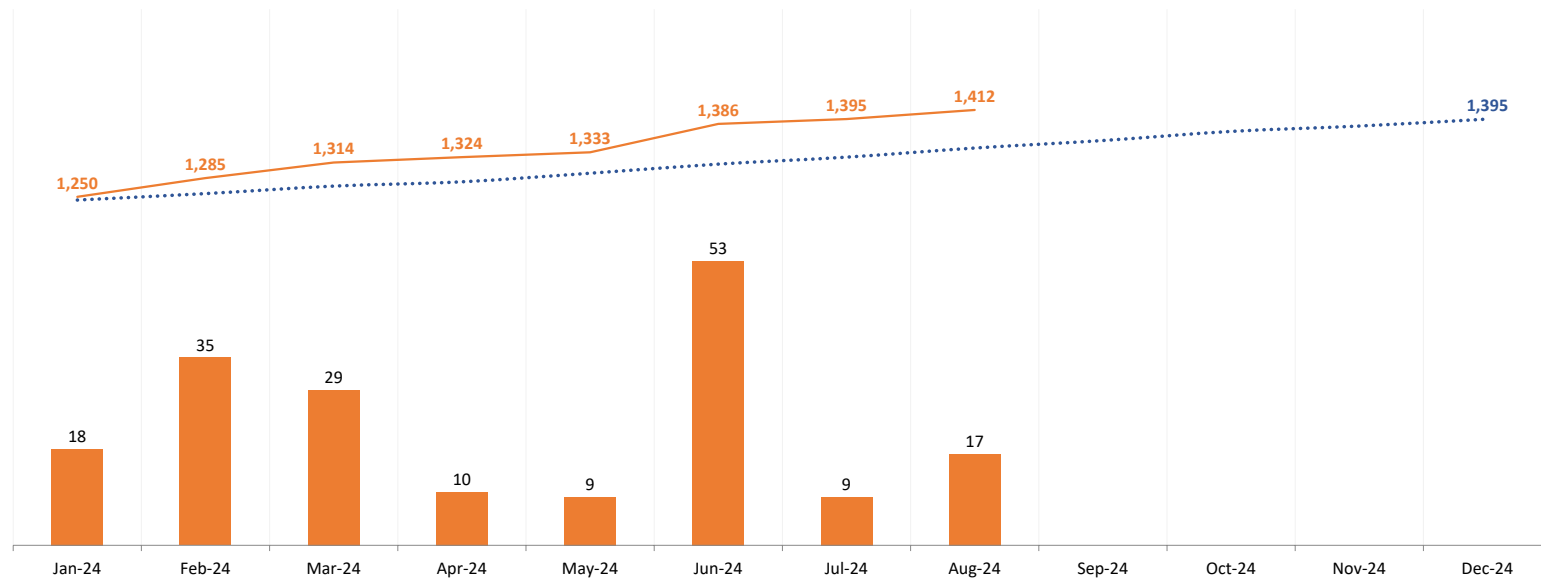
CP 1-4 – Utility Relocations

CP 1-4 – Right-of-Way (ROW) Summary

Construction Package	Total Relocations Aug 31, 2024	Total Utilities Relocated to Date Aug 31, 2024	Remaining Utility Relocations Aug 31, 2024
CP 1	992	715	277
CP 2-3	701	564	137
CP 4	143	133	10
Total	1,836	1,412	424

CP 1-4 – Utility Relocation Status Summary-Monthly

■ Monthly Relocations
 ⋯ Planned Cumulative
 — Actual Cumulative



CP 1-4 – Utility Relocation Summary

CP 1-4 – Summary by Utility Type

Utility	Status	CP 1	CP 2-3	CP 4	CP 1 - 4 Total	Percentage
Electric	NOT STARTED	54	70	0	124	19%
	APPROVED TO START	0	0	0	0	0%
	IN PROGRESS	25	20	0	45	7%
	RELOCATED	136	294	62	492	74%
	TOTAL	215	384	62	661	100%
Gas	NOT STARTED	15	8	0	23	18%
	APPROVED TO START	0	0	0	0	0%
	IN PROGRESS	11	1	0	12	10%
	RELOCATED	64	18	7	89	72%
	TOTAL	90	27	7	124	100%
PGE Telecom	NOT STARTED	1	0	0	1	100%
	APPROVED TO START	0	0	0	0	0%
	IN PROGRESS	0	0	0	0	0%
	RELOCATED	0	0	0	0	0%
	TOTAL	1	0	0	1	100%
Telecom	NOT STARTED	25	2	0	27	4%
	APPROVED TO START	0	0	0	0	0%
	IN PROGRESS	53	17	0	70	10%
	RELOCATED	337	214	32	583	86%
	TOTAL	415	233	32	680	100%
Wet	NOT STARTED	25	12	0	37	10%
	APPROVED TO START	0	0	0	0	0%
	IN PROGRESS	68	7	10	85	23%
	RELOCATED	178	38	32	248	67%
	TOTAL	271	57	42	370	100%

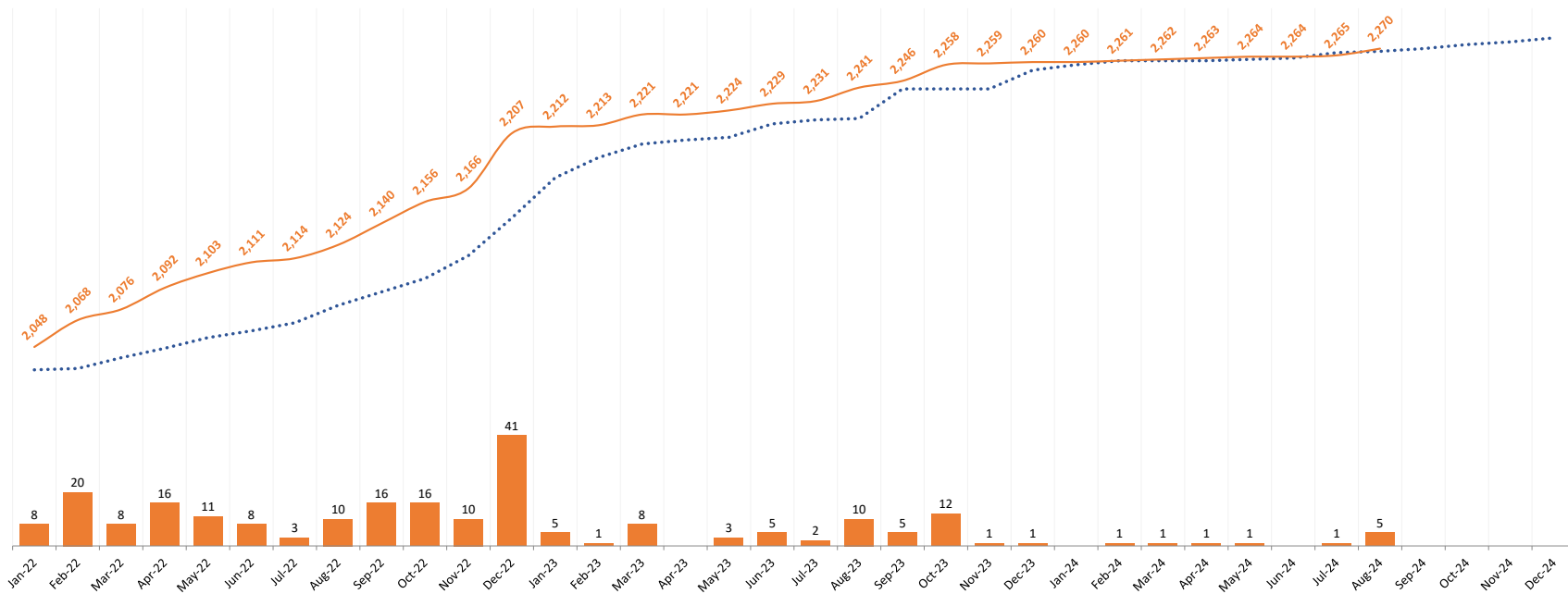
CP 1-4 – Real Property/Right-of-Way (ROW)

CP 1-4 – Right-of-Way (ROW) Summary

Construction Package	Total Needed Parcels Aug 31, 2024	Total Parcels Delivered to Date Aug 31, 2024	Remaining Parcels to be Delivered Aug 31, 2024	Percentage Delivery
CP 1	1,078	1,066	12	99%
CP 2-3	988	981	7	99%
CP 4	223	223	0	100%
Total	2,289	2,270	19	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 forecast dates.
2. Parcels Needed in CP 1 reduced by one parcel.

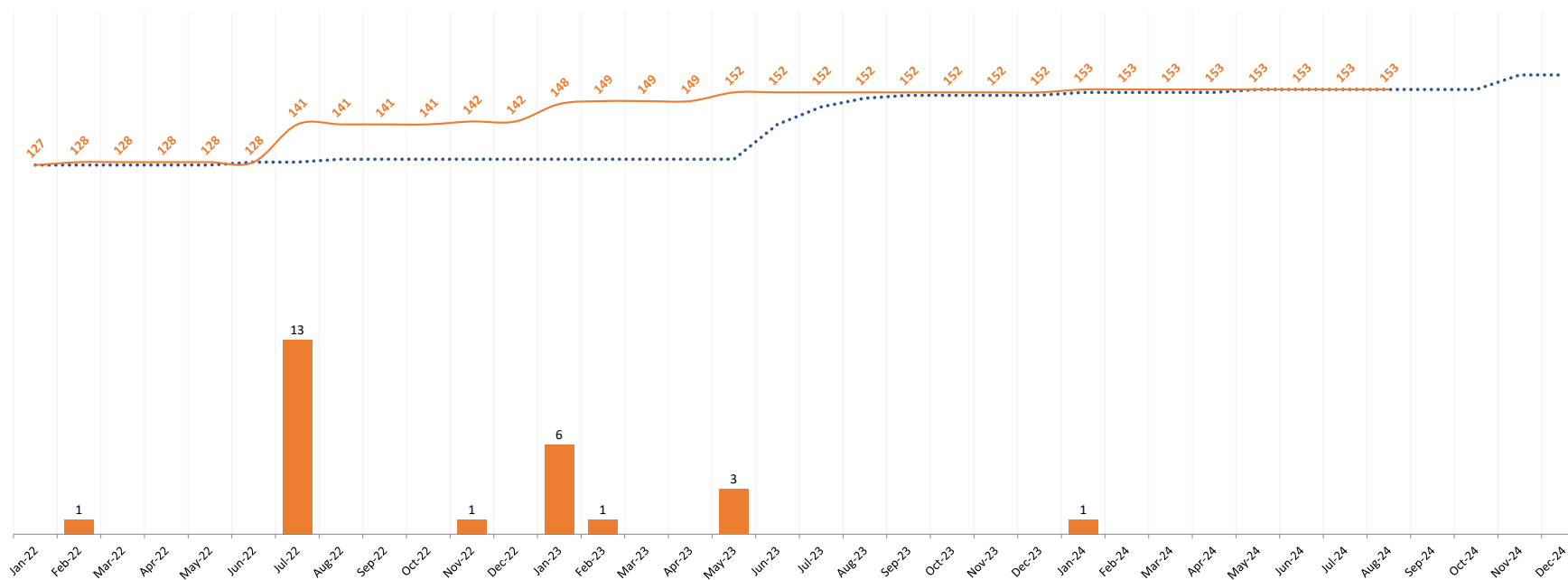
CP 1-4 – Real Property/Right-of-Way (ROW) Railroad

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

Construction Package	Total Needed Railroad Parcels Aug 31, 2024	Total Railroad Parcels Delivered to Date Aug 31, 2024	Remaining Railroad Parcels to be Delivered Aug 31, 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

■ 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⁽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:	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 ⁽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:	\$2,744,550,501.40
Current Contract Amount:	\$3,767,538,501.40
Approved Invoices to Date:	\$2,669,740,318.71
Remaining Contract Balance:	\$1,097,798,182.69

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 08/31/2024):	3,973

Expended to Date

Description	Percentage
Time ⁽³⁾ :	83.0%
Dollars:	70.9%

Growth Percentage

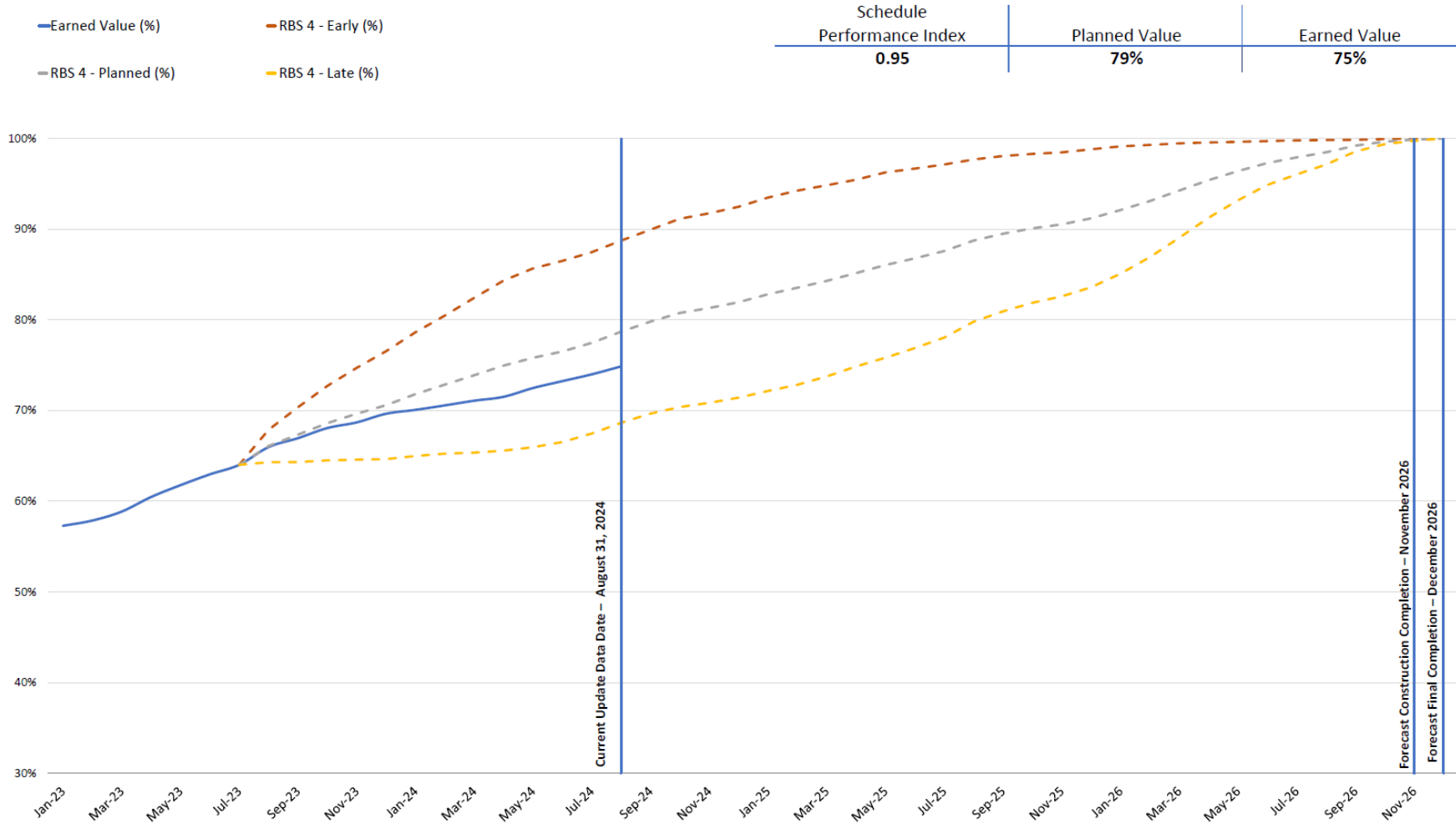
Description	Percentage
Time ⁽³⁾ :	194.0%
Dollars:	268.3%

Notes:

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

CP 1 – Earned Value

CP 1 – Earned Value Summary (%)

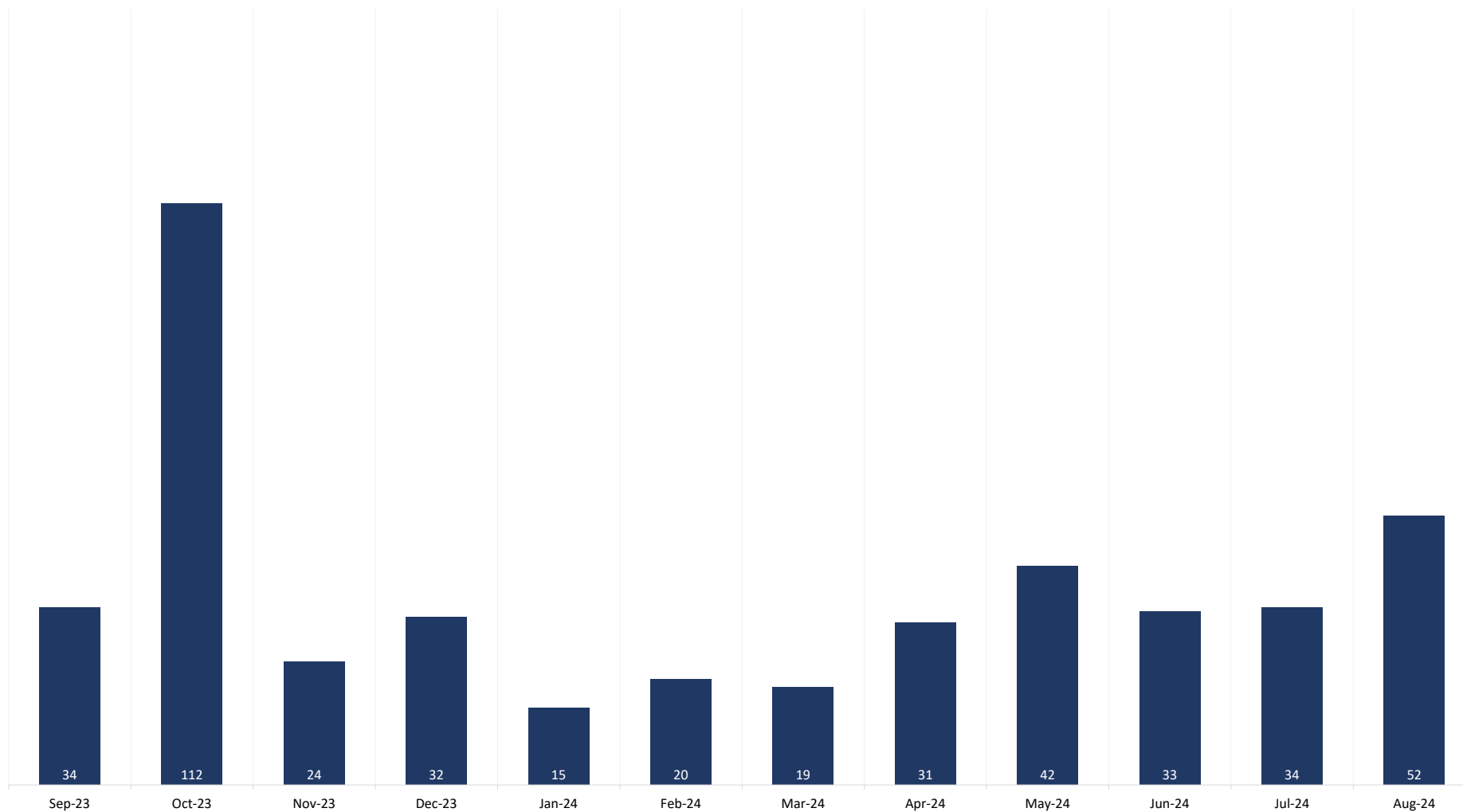


Notes:

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

CP 1 – Design-Build Expenditures

CP 1 – Monthly Expenditures (\$ Millions)



Notes:

1. Expenditures in the chart above are specific to the Design-Builder production and based on the Capital Outlay and Expenditure Report.
2. Expenditures totaled \$52.0M.

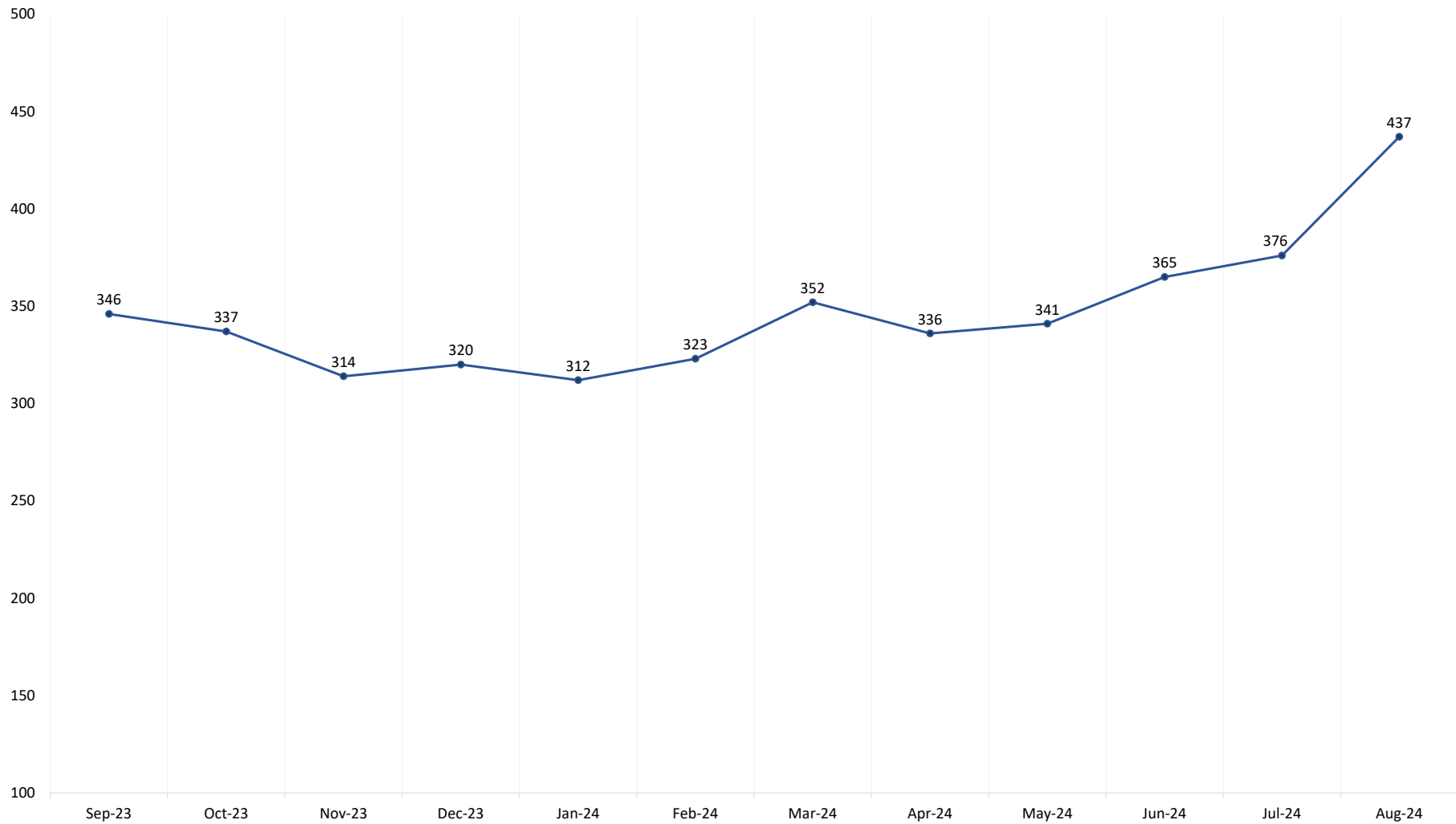
CP 1 – Change Orders (CO)

CP 1 – Change Order Status

CO Number	Title	Change Status	Amount	Executed Date
88.14	Environmental Staffing - Supplemental No 13	Executed	\$7,000,000.00	8/8/2024
213.1	FB-10-0495 Protect Canopy and Access Opening - Supplemental 1	Executed	\$104,000.00	8/1/2024
263.2	Sprint Costs due to UPRR CTC Project Subtask 1.08B - 3rd Party Costs	Executed	\$131,190.00	8/27/2024
329.02	Transfer of Funds from Contingency to CCW Provisional Sums - Supplementary 3	Executed	\$7,080,000.00	8/6/2024
413.4	Caltrans SR-99 Realignment (Clinton to Ashlan) – Supplemental Design T&M	Executed	\$350,000.00	8/30/2024
414.02	Provide Additional Temporary Traffic Signals for Madera County	Executed	\$609,000.00	8/17/2024
511.1	GSB Realignment South Tie-In UST Removal Final T&M Costs	Executed	\$17,924.00	8/1/2024
558	Time Warner Telecom Temporary Relocation at Belmont Ave	Executed	\$47,159.00	8/1/2024
559	Univar Monitoring Well MW-12R Guideway Fence Redesign	Executed	\$27,103.00	8/1/2024
560	GSB COF Deal Points Issues, FMFCD spare casing change to open cut at Ashlan to Herndon Canal	Executed	\$442,189.00	8/1/2024
562	McKinley Ave and Golden State Boulevard Connector - Streetlight Power Up	Executed	\$30,000.00	8/23/2024
566	SR-99 Belmont Avenue Signal Controller Cabinet Vandalism	Executed	\$20,000.00	8/27/2024
Total			\$15,858,565.00	

CP 1 – Monthly Construction Labor

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



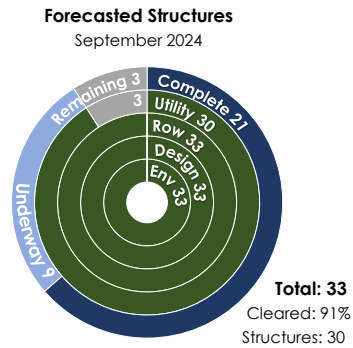
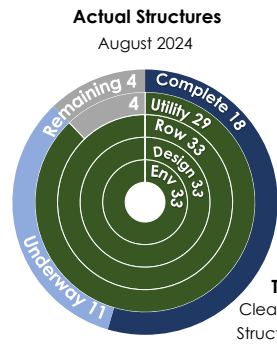
Notes:

1. The construction labor numbers (full-time employees) are based on the weekly totals divided by the number of weeks within the working calendar month and represents the Average Daily Site Workers (by week).
2. At 437, it is an increase of 61 from the previous month (376).

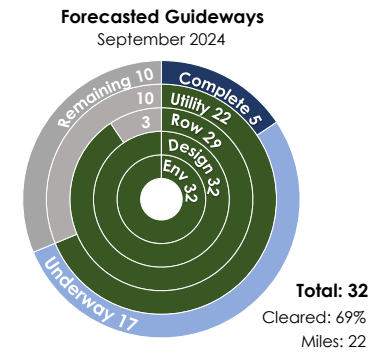
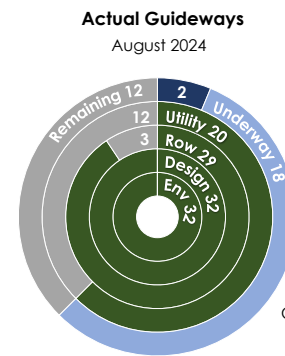
CP 1 – Construction Progress

CP 1 – Construction Progress

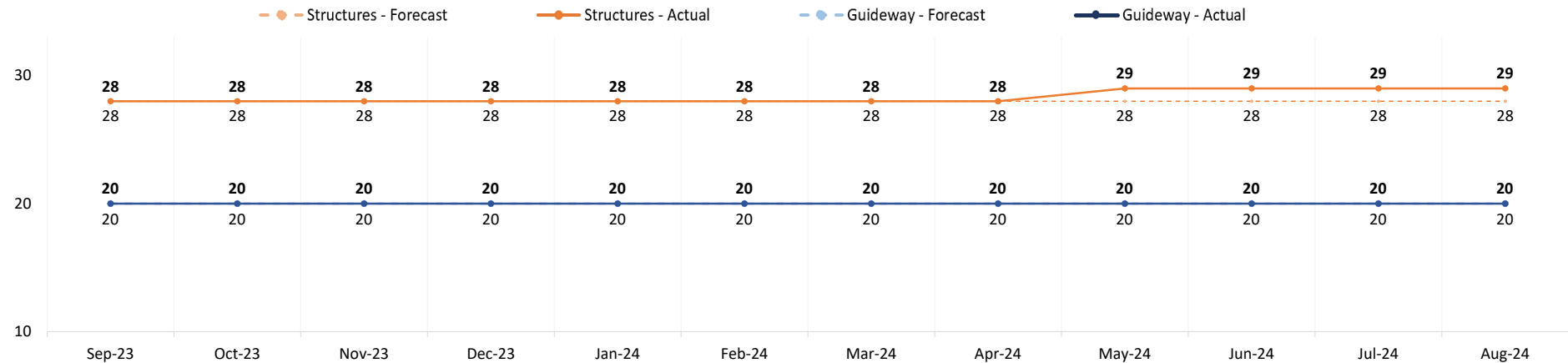
■ Cleared for Construction ■ Construction Underway ■ Construction Complete



■ Remaining



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



Notes:

- The circle charts above incorporate Revised Baseline Schedules (RBS) Revision 4 accepted schedule.
- Construction Complete definition:
 - Structure Completion – all concrete work is complete.
 - Guideway Completion – earthworks complete with rough grading.
- Total Structures: 33.
 - 29 structures underway/construction complete.
- Total Guideway: 32 miles.
 - 20 miles underway/construction complete.
- Late finish dates are being used to estimate forecast numbers.
- There are 32 miles of guideway approved by the Authority, but 2.5 miles (Caltrans section) has not been approved by Union Pacific Railroad (UPRR). UPRR has approved the Caltrans 2.5 miles at 60% Design with 90% Design progressing. The Caltrans 2.5 mile Intrusion Protection Barriers (IPB) Work Plan has been approved and work commenced February 2023.

CP 1 – Utility Relocation Summary

CP 1 – High Level Summary

Status	Utility Relocations	Percentage
Total Utilities Not Started	120	12%
Total Utilities Approved to Start	0	0%
Total Utilities in Progress	157	16%
Total Utilities Relocated	715	72%
Total	992	100%

CP 1 – Summary by Utility Type

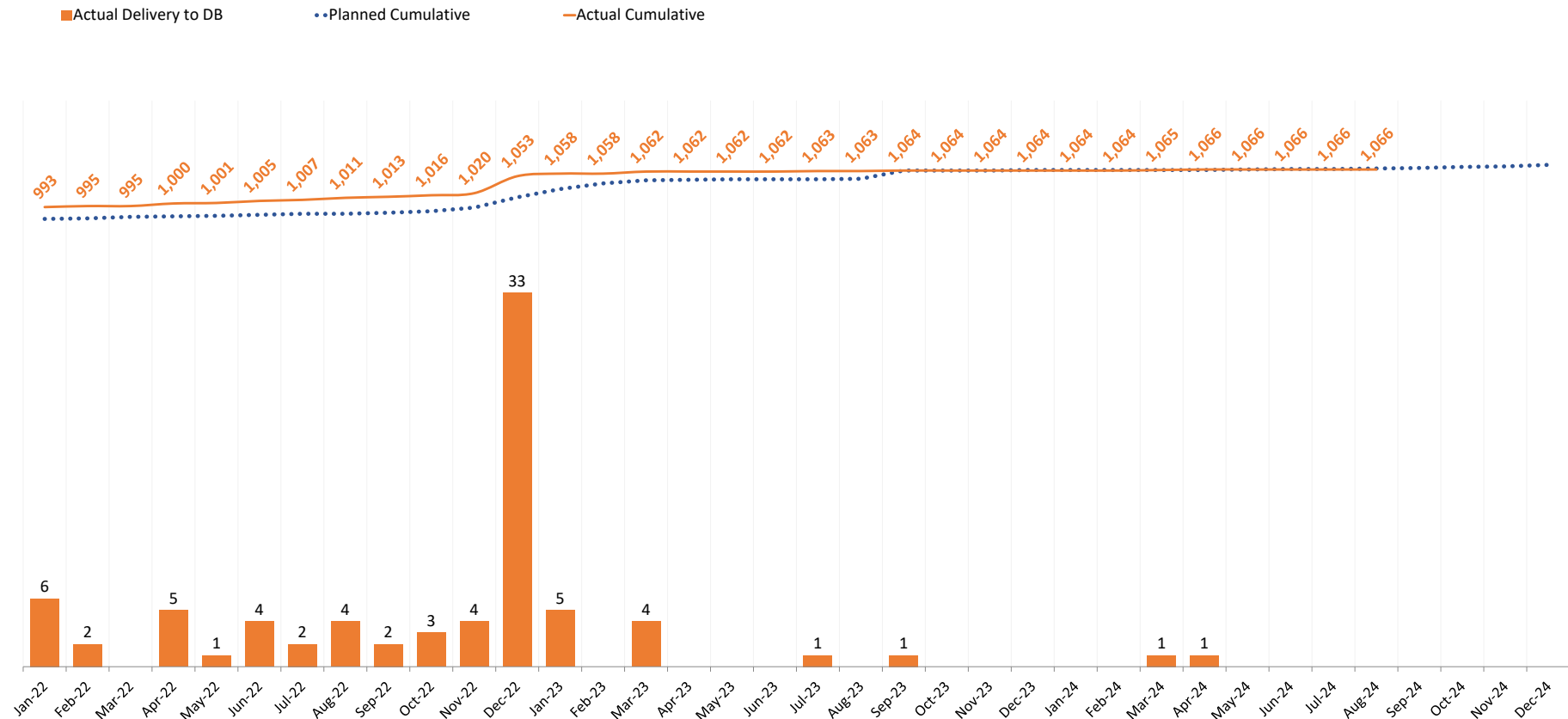
Utility	Status	Utility Relocations	Percentage
Electric	NOT STARTED	54	25%
	APPROVED TO START	0	0%
	IN PROGRESS	25	12%
	RELOCATED	136	63%
	TOTAL	215	100%
Gas	NOT STARTED	15	17%
	APPROVED TO START	0	0%
	IN PROGRESS	11	12%
	RELOCATED	64	71%
	TOTAL	90	100%
PGE Telecom	NOT STARTED	1	100%
	APPROVED TO START	0	0%
	IN PROGRESS	0	0%
	RELOCATED	0	0%
	TOTAL	1	100%
Telecom	NOT STARTED	25	6%
	APPROVED TO START	0	0%
	IN PROGRESS	53	13%
	RELOCATED	337	81%
	TOTAL	415	100%
Wet	NOT STARTED	25	9%
	APPROVED TO START	0	0%
	IN PROGRESS	68	25%
	RELOCATED	178	66%
	TOTAL	271	100%

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

CP 1 – Right-of-Way (ROW) Summary

Construction Package	Total Needed Parcels Aug 31, 2024	Total Parcels Delivered to Date Aug 31, 2024	Remaining Parcels to be Delivered Aug 31, 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.
2. Parcels Needed in CP 1 reduced by one parcel.

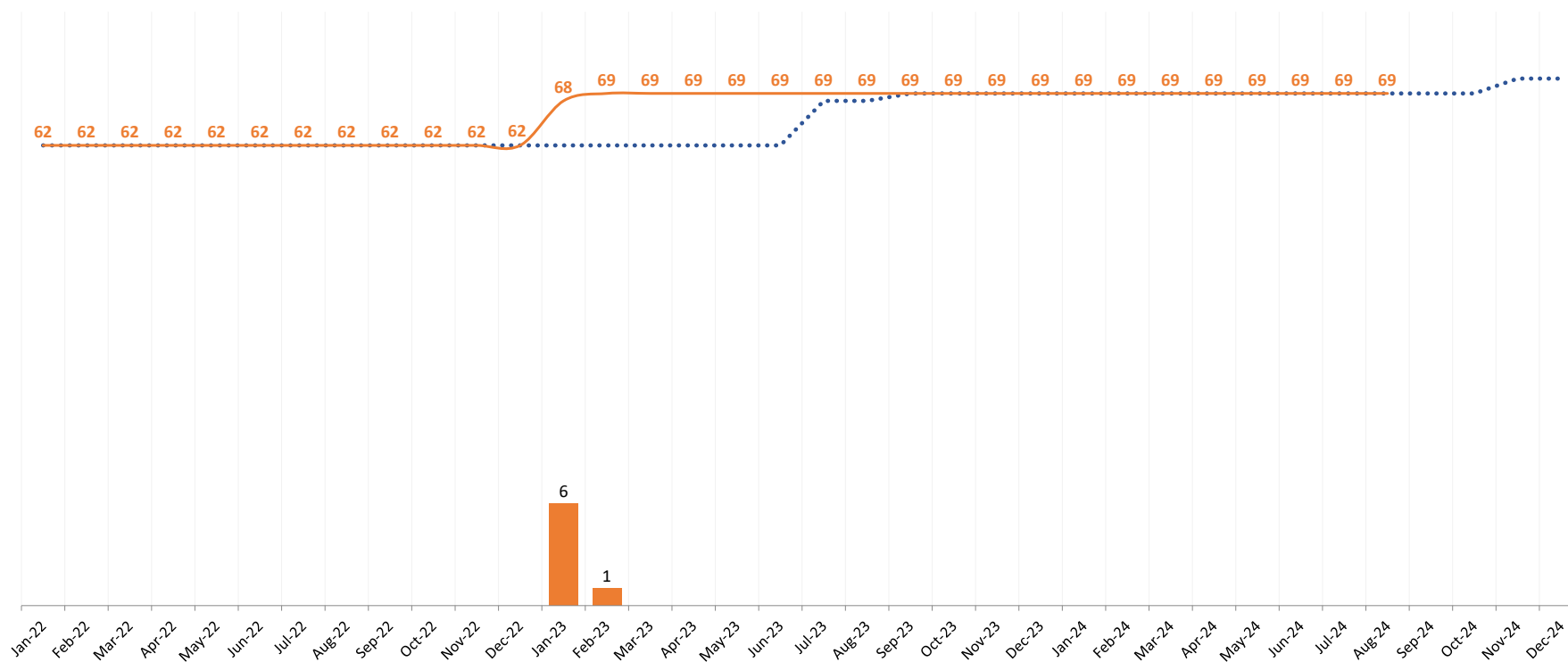
CP 1 – Real Property/Right-of-Way (ROW) Railroad

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

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

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

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



Notes:

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

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

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

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 ⁽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:	\$2,202,724,383.59
Current Contract Amount:	\$3,568,060,273.59
Approved Invoices to Date:	\$2,776,837,804.04
Remaining Contract Balance:	\$791,222,469.55

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 08/31/2024):	3,325

Expended to Date Percentage

Description	Percentage
Time ⁽³⁾ :	85.4%
Dollars:	77.8%

Growth Percentage

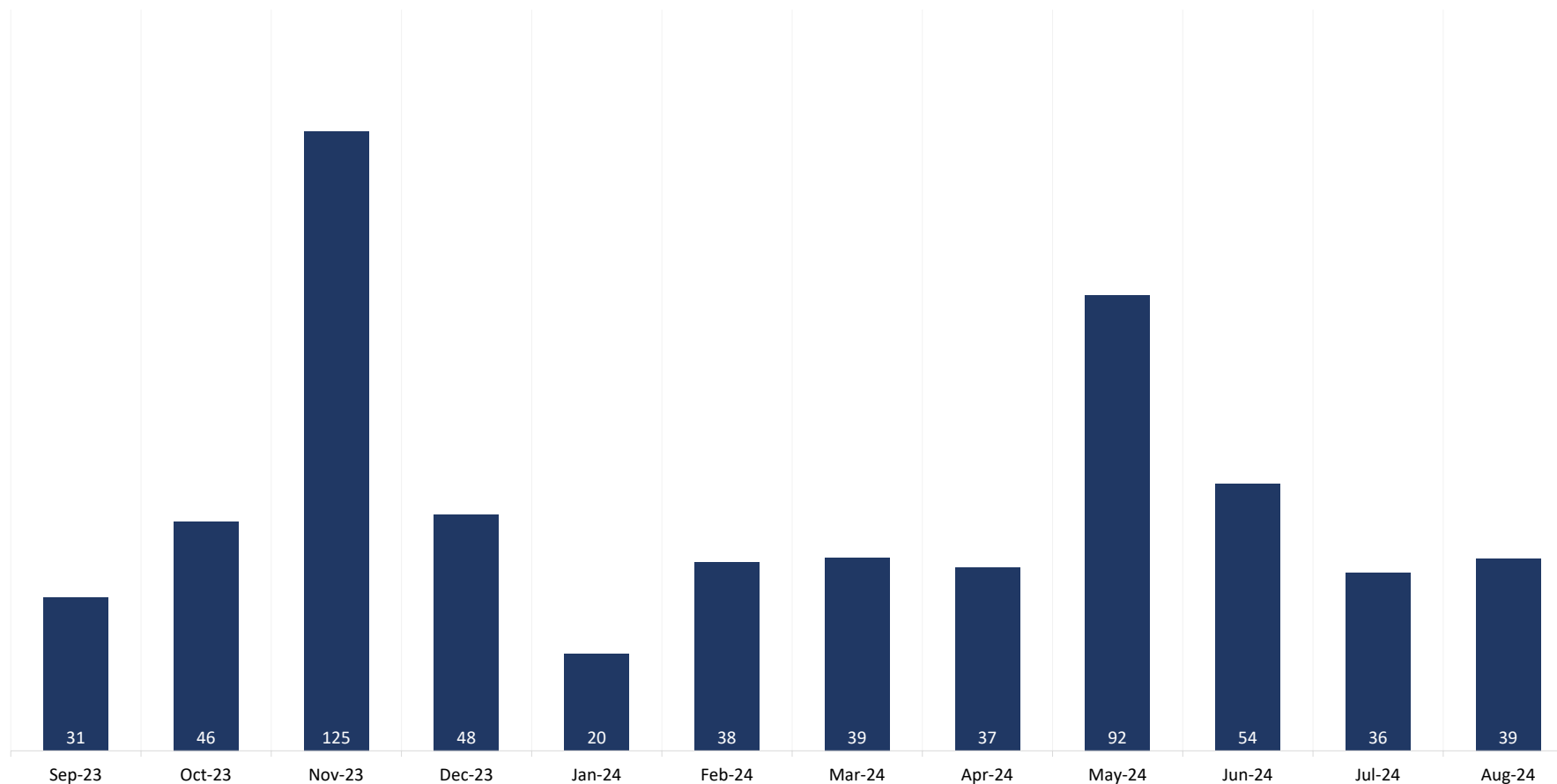
Description	Percentage
Time ⁽³⁾ :	161.9%
Dollars:	161.3%

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 \$38.9M.

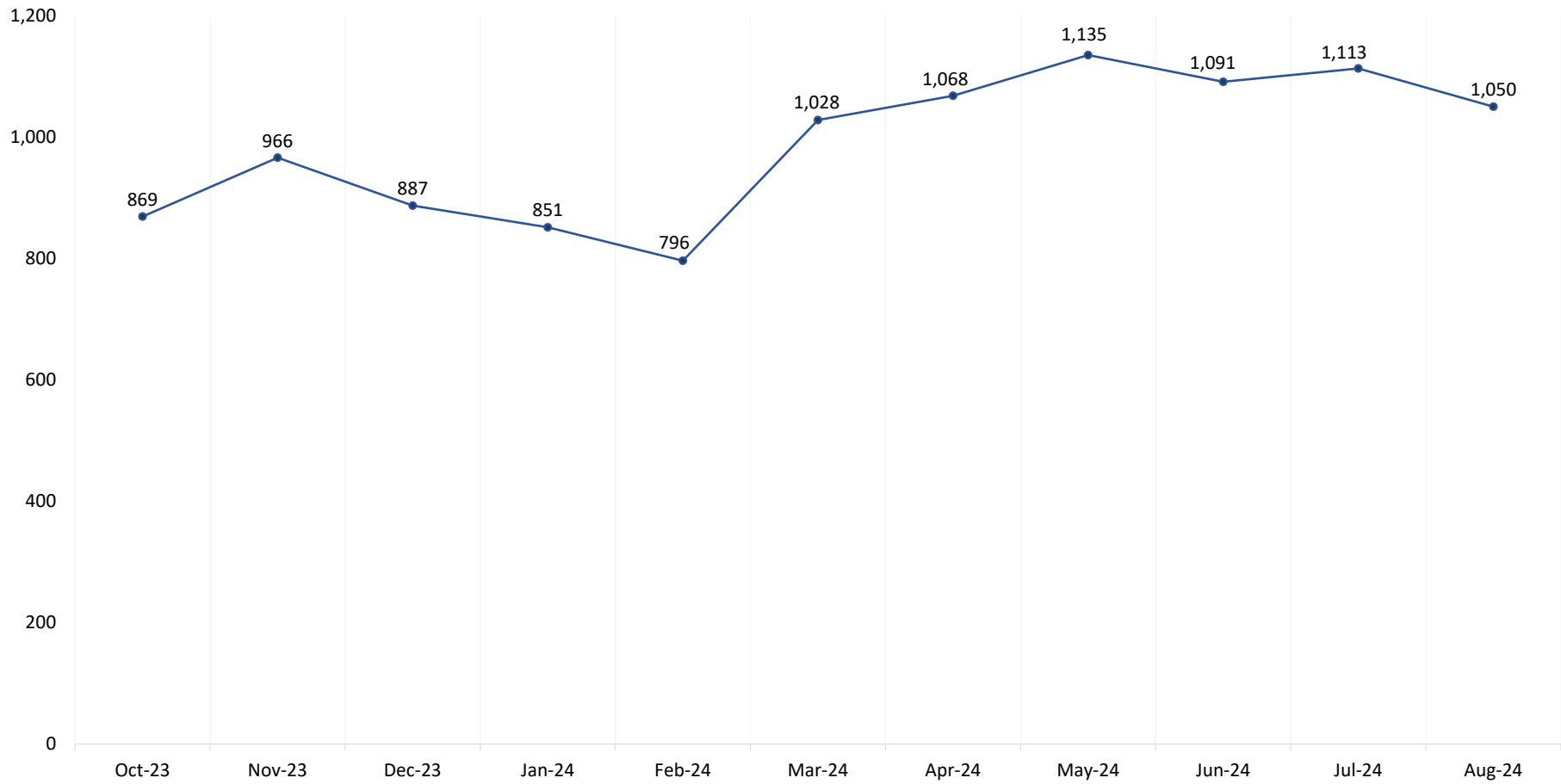
CP 2-3 – Change Orders (CO)

CP 2-3 – Change Order Status

CO Number	Title	Change Status	Amount	Executed Date
395.1	Lawrence Ditch Undergrounding – Construction	Executed	\$220,000.00	8/19/2024
349.1	Tied Arch Bridge – DSDC and SME Analysis and Report	Executed	\$1,473,466.00	8/16/2024
243.1	Segment 1 Cul-De-Sacs (Willow, Springfield, Topeka)	Executed	\$587,786.00	8/1/2024
Total			\$2,281,252.00	

CP 2-3 – Monthly Construction Labor

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



Notes:

1. The construction labor numbers (full-time employees) are based on the weekly totals divided by the number of weeks within the working calendar month and represents the Average Daily Site Workers (by week).
2. At 1,050, it is a decrease of 63 from the previous month (1,113).

CP 2-3 – Construction Progress

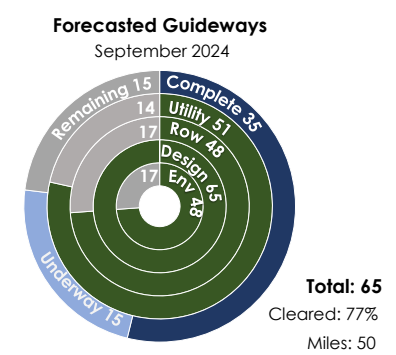
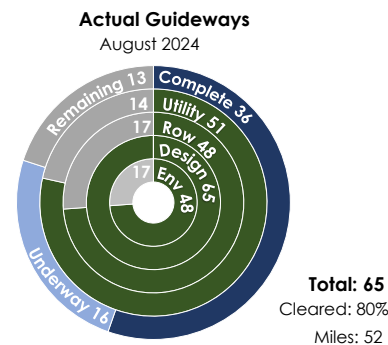
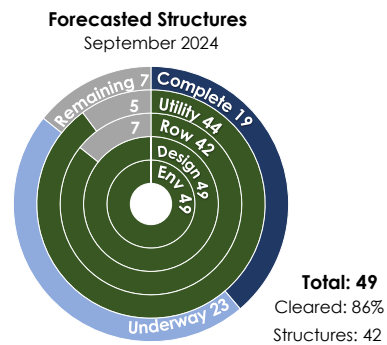
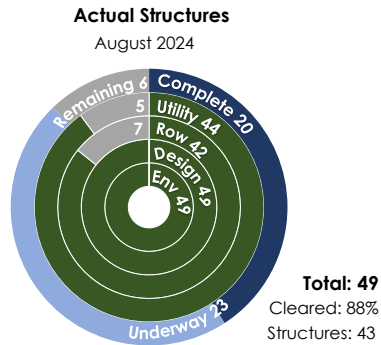
CP 2-3 – Construction Progress

■ Cleared for Construction

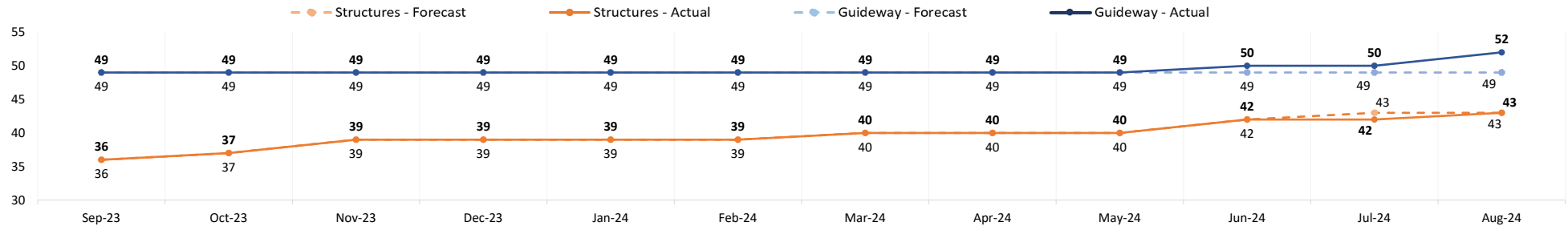
■ Construction Underway

■ 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:
 - 43 structures underway/construction complete. One structure started (Corcoran Highway) and one structure completed (Ave. 24) in August 2024.
- Total Guideway: 65 miles:
 - 52 miles underway/construction complete. Two miles started (Ave. 88 to Deer Creek) and one mile completed (Houston Ave. to Idaho Ave.) in August 2024.
- 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	92	13%
Total Utilities Approved to Start	0	0%
Total Utilities in Progress	45	6%
Total Utilities Relocated	564	81%
Total	701	100%

CP 2-3 – Summary by Utility Type

Utility	Status	Utility Relocations	Percentage
Electric	NOT STARTED	70	18%
	APPROVED TO START	0	0%
	IN PROGRESS	20	5%
	RELOCATED	294	77%
	TOTAL	384	100%
Gas	NOT STARTED	8	29%
	APPROVED TO START	0	0%
	IN PROGRESS	1	4%
	RELOCATED	18	67%
	TOTAL	27	100%
Telecom	NOT STARTED	2	1%
	APPROVED TO START	0	0%
	IN PROGRESS	17	7%
	RELOCATED	214	92%
	TOTAL	233	100%
Wet	NOT STARTED	12	21%
	APPROVED TO START	0	0%
	IN PROGRESS	7	12%
	RELOCATED	38	67%
	TOTAL	57	100%

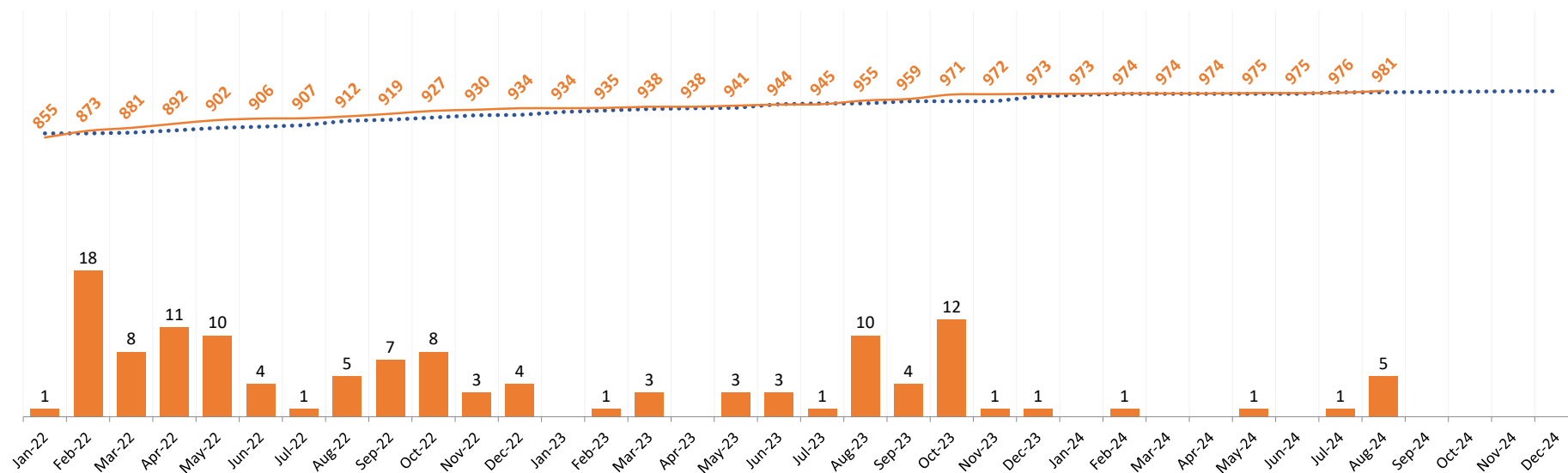
CP 2-3 – Real Property/Right-of-Way (ROW)

CP 2-3 – Right-of-Way (ROW) Summary

Construction Package	Total Needed Parcels Aug 31, 2024	Total Parcels Delivered to Date Aug 31, 2024	Remaining Parcels to be Delivered Aug 31, 2024
CP 2-3	988	981	7

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

■ Actual Delivery to DB
 ⋯ Planned Cumulative
 — Actual Cumulative



Notes:

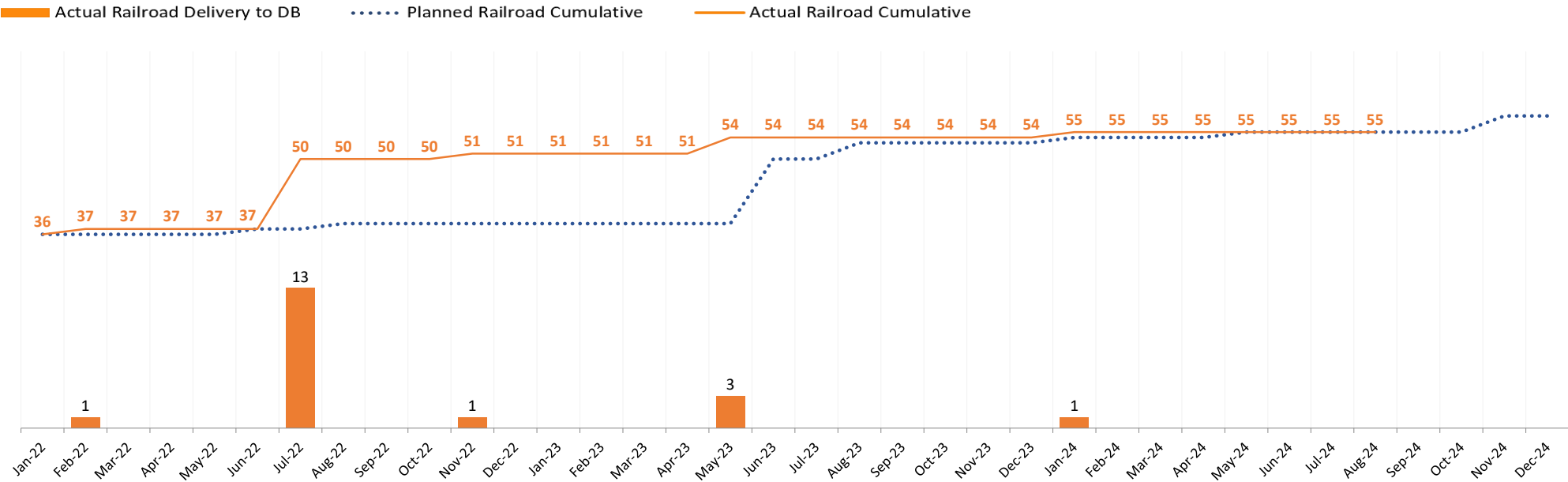
1. This reflects the actual parcels delivered to the Design-Builder by month and updated forecast dates.

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

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



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

CONSTRUCTION PACKAGE 4 (CP 4) OVERVIEW

CP 4 – Design-Build Contract Summary⁽¹⁾

Milestones

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

Contract 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 08/31/2024):	3,060

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:	\$396,902,244.92
Current Contract Amount:	\$841,149,244.92
Approved Invoices to Date:	\$827,415,900.07
Remaining Contract Balance:	\$13,733,344.85

Expended to Date

Description	Percentage
Time ⁽³⁾ :	100.0%
Dollars:	98.4%

Growth Percentage

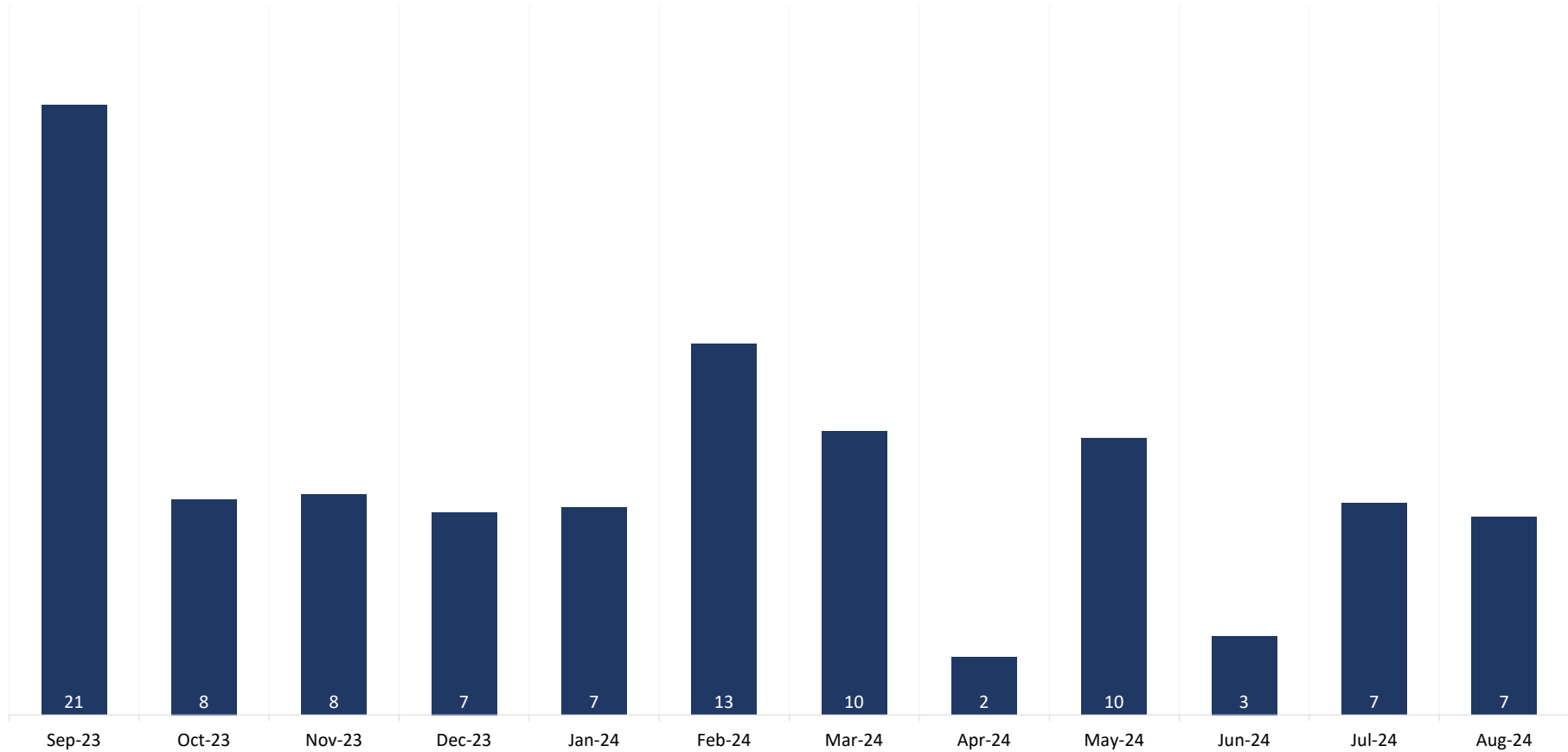
Description	Percentage
Time ⁽³⁾ :	146.9%
Dollars:	89.3%

Notes:

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

CP 4 – Design-Build Expenditures

CP 4 – Monthly Expenditures (\$ Millions)



Notes:

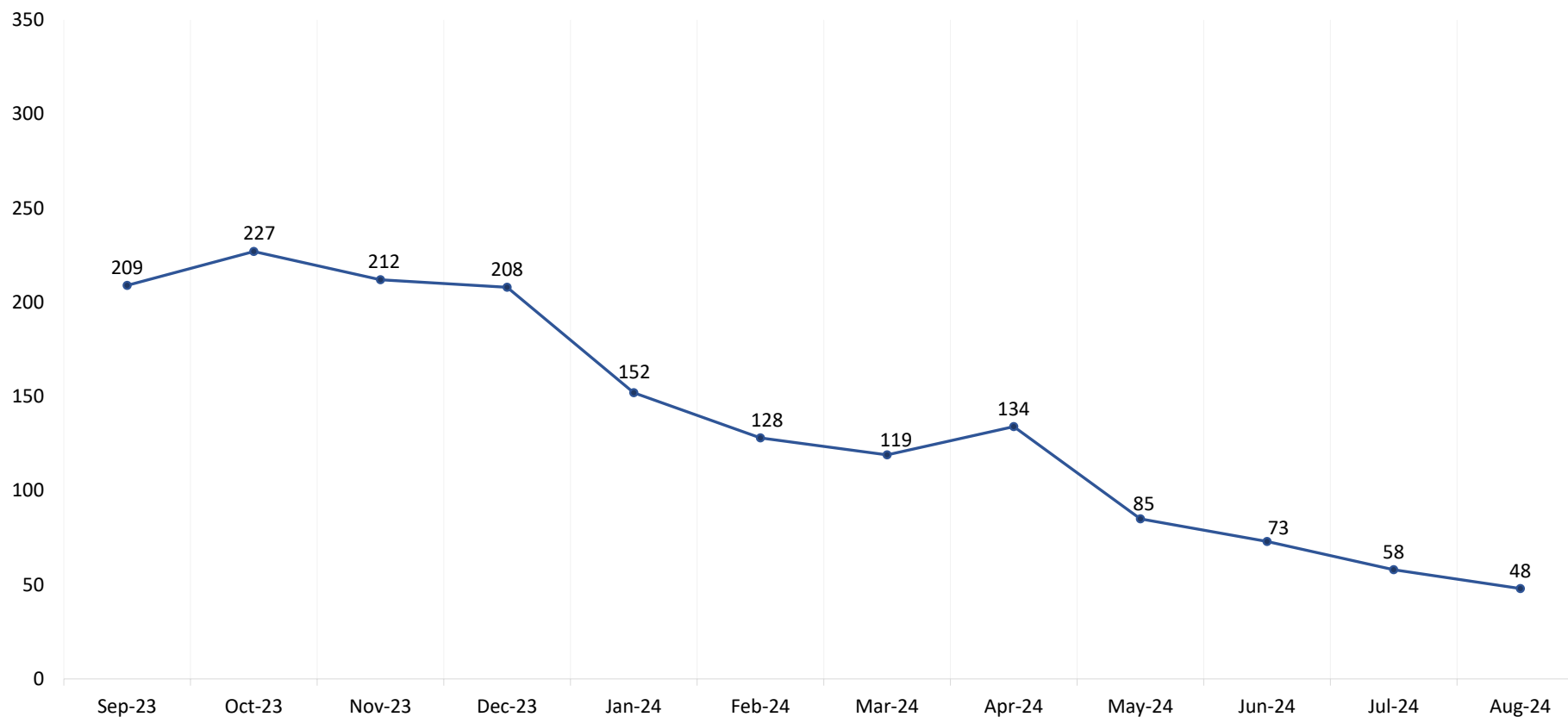
1. Expenditures in the chart above are specific to the Design-Builder production and based on the Capital Outlay and Expenditure Report.
2. Expenditures totaled \$7.0M.

CP 4 – Change Orders (CO)**CP 4 – Change Order Status**

CO Number	Title	Change Status	Amount	Executed Date
247	Subcontractor Claims - Con-Fab	Executed	\$96,300.00	8/28/2024
32.8.1	Additional Insurance Premium Costs Beyond March 11, 2024 until May 24, 2024	Executed	\$5,393,600.94	8/26/2024
248	NCR-081 Cost Reimbursement	Executed	\$12,133.92	8/23/2024
240	6th Street and G Street Final Configuration	Executed	\$107,187.25	8/19/2024
Total			\$5,609,222.11	

CP 4 – Monthly Construction Labor

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



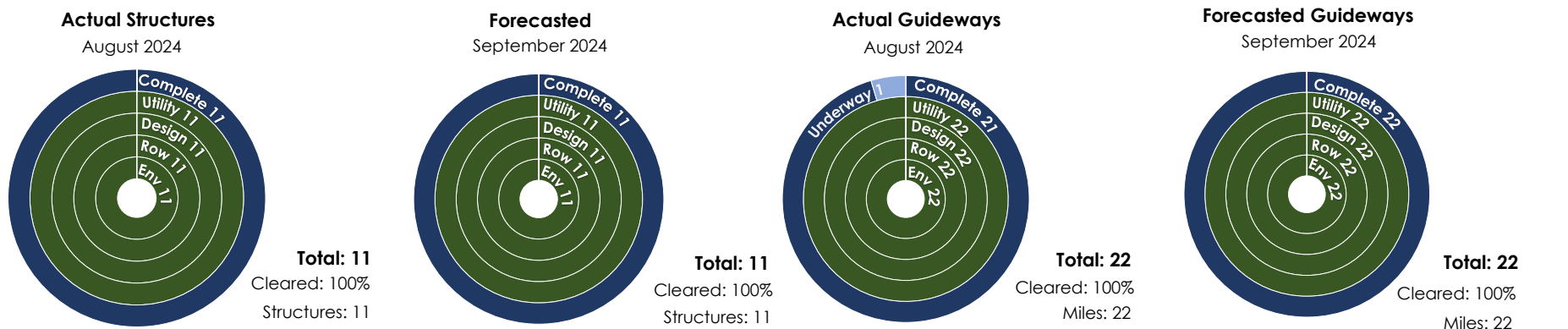
Notes:

1. The construction labor numbers (full-time employees) are based on the weekly totals divided by the number of weeks within the working calendar month and represents the Average Daily Site Workers (by week).
2. At 48, it is a decrease of 10 from the previous month (58).

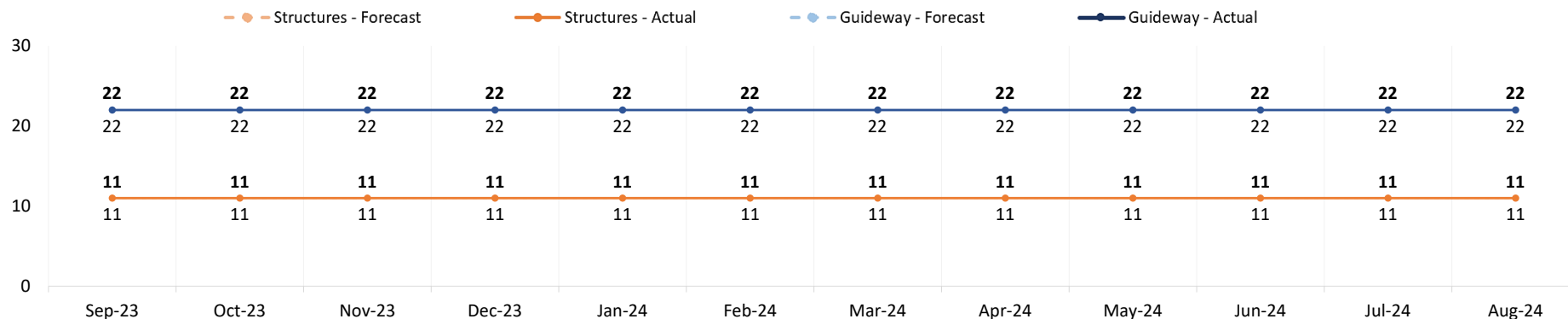
CP 4 – Construction Progress

CP 4 – Construction Progress

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



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



Notes:

- 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 total 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	10	7%
Total Utilities Relocated	133	93%
Total	143	100%

CP 4 – Summary by Utility Type

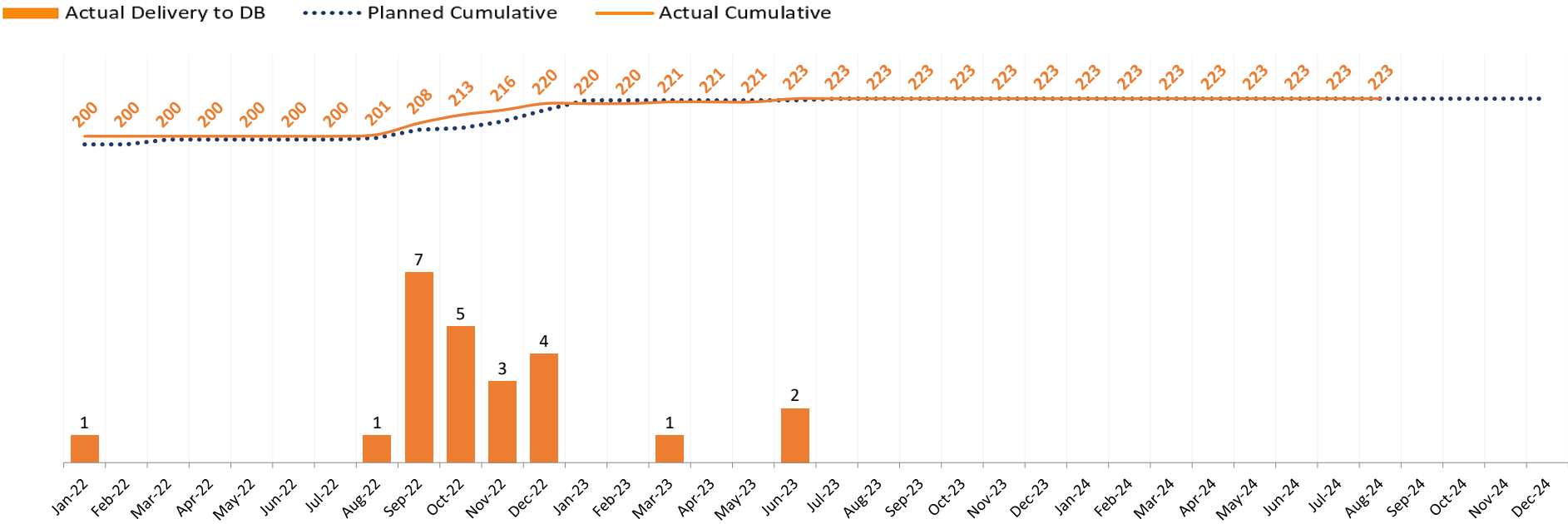
Utility	Status	Utility Relocations	Percentage
Electric	NOT STARTED	0	0%
	APPROVED TO START	0	0%
	IN PROGRESS	0	0%
	RELOCATED	62	100%
	TOTAL	62	100%
Gas	NOT STARTED	0	0%
	APPROVED TO START	0	0%
	IN PROGRESS	0	0%
	RELOCATED	7	100%
	TOTAL	7	100%
Telecom	NOT STARTED	0	0%
	APPROVED TO START	0	0%
	IN PROGRESS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

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

CP 4 – Right-of-Way (ROW) Summary

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

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



Notes:

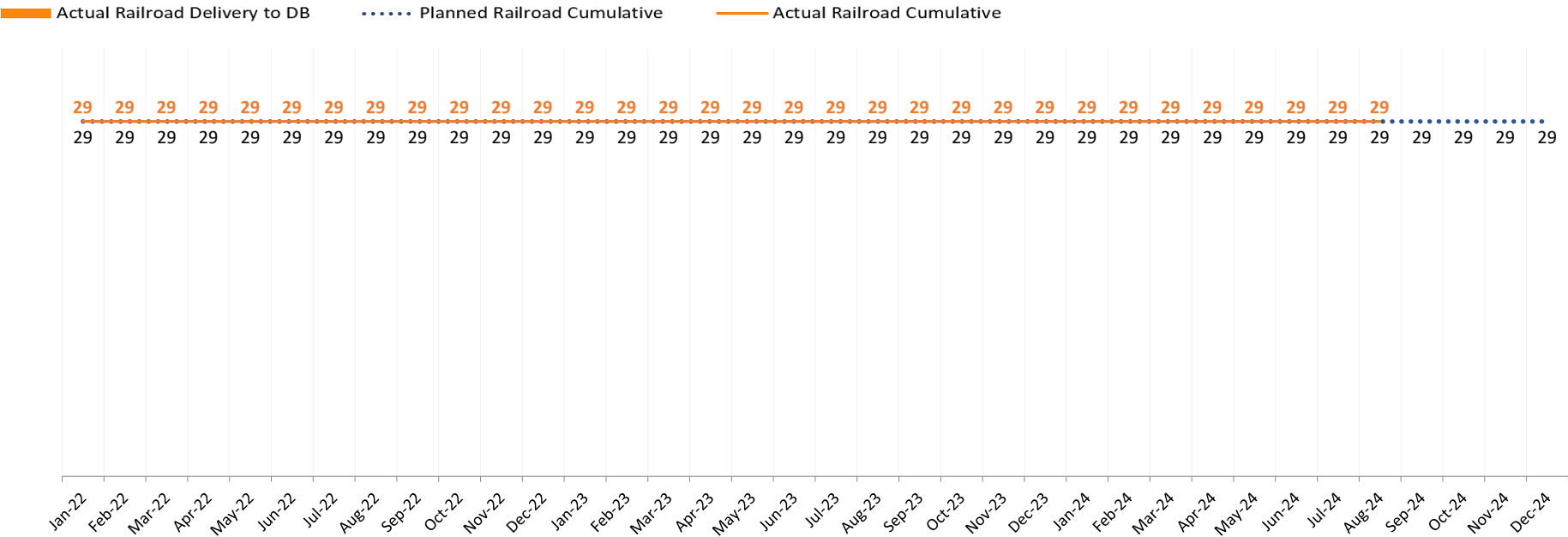
1. This reflects the actual parcels delivered to the Design-Builder by month compared to the Revised Baseline Schedule (RBS) Revision 3.

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

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

Construction Package	Total Needed Railroad Parcels Aug 31, 2024	Total Railroad Parcels Delivered to Date Aug 31, 2024	Remaining Railroad Parcels to be Delivered Aug 31, 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	Current	Last Month	Current
Document Complete	Merced to Fresno	Plan Forecast % Complete	Complete Complete 100%	Complete Complete 100%	Complete Complete 100%	Complete Complete 100%	Complete Complete 100%	Complete Complete 100%	Complete Complete 100%	Complete Complete 100%	Complete Complete 100%	Complete Complete 100%	Complete Complete 100%	Complete Complete 100%
Document Complete	Fresno to Bakersfield	Plan Forecast % Complete	Complete Complete 100%	Complete Complete 100%	Complete Complete 100%	Complete Complete 100%	Complete Complete 100%	Complete Complete 100%	Complete Complete 100%	Complete Complete 100%	Complete Complete 100%	Complete Complete 100%	Complete Complete 100%	Complete Complete 100%
Document Complete	CV Electrical Interconnections	Plan Forecast % Complete	Complete Complete 100%	Complete Complete 100%	Complete Complete 100%	Complete Complete 100%	Complete Complete 100%	Complete Complete 100%	Complete Complete 100%	Complete Complete 100%	Complete Complete 100%	Complete Complete 100%	Complete Complete 100%	Complete Complete 100%
Document Complete	Locally Generated Alternative (F-B)	Plan Forecast % Complete	Complete Complete 100%	Complete Complete 100%	Complete Complete 100%	Complete Complete 100%	Complete Complete 100%	Complete Complete 100%	Complete Complete 100%	Complete Complete 100%	Complete Complete 100%	Complete Complete 100%	Complete Complete 100%	Complete Complete 100%
Document Complete	Central Valley Wye (M-F)	Plan Forecast % Complete	Complete Complete 100%	Complete Complete 100%	Complete Complete 100%	Complete Complete 100%	Complete Complete 100%	Complete Complete 100%	Complete Complete 100%	Complete Complete 100%	Complete Complete 100%	Complete Complete 100%	Complete Complete 100%	Complete Complete 100%
Document Complete	Bakersfield to Palmdale	Plan Forecast % Complete	Complete Complete 100%	Complete Complete 100%	Complete Complete 100%	Complete Complete 100%	Complete Complete 100%	Complete Complete 100%	Complete Complete 100%	Complete Complete 100%	Complete Complete 100%	Complete Complete 100%	Complete Complete 100%	Complete Complete 100%
Document Complete	Burbank to Los Angeles	Plan Forecast % Complete	Complete Complete 100%	Complete Complete 100%	Complete Complete 100%	Complete Complete 100%	Complete Complete 100%	Complete Complete 100%	Complete Complete 100%	Complete Complete 100%	Complete Complete 100%	Complete Complete 100%	Complete Complete 100%	Complete Complete 100%
Document Complete	San Jose to Merced	Plan Forecast % Complete	Complete Complete 100%	Complete Complete 100%	Complete Complete 100%	Complete Complete 100%	Complete Complete 100%	Complete Complete 100%	Complete Complete 100%	Complete Complete 100%	Complete Complete 100%	Complete Complete 100%	Complete Complete 100%	Complete Complete 100%
Document Complete	San Francisco to San Jose	Plan Forecast % Complete	Complete Complete 100%	Complete Complete 100%	Complete Complete 100%	Complete Complete 100%	Complete Complete 100%	Complete Complete 100%	Complete Complete 100%	Complete Complete 100%	Complete Complete 100%	Complete Complete 100%	Complete Complete 100%	Complete Complete 100%
Document Complete	Palmdale to Burbank	Plan Forecast % Complete	Complete Complete 100%	Complete Complete 100%	Complete Complete 100%	Complete Complete 100%	Complete Complete 100%	Complete Complete 100%	Complete Complete 100%	Complete Complete 100%	Complete Complete 100%	Complete Complete 100%	Complete Complete 100%	Complete Complete 100%
1	Los Angeles to Anaheim	Plan Forecast % Complete	Complete Complete 100%	Complete Complete 100%	Complete Complete 100%	Complete Complete 100%	Complete Complete 100%	Complete Complete 100%	Oct-24 Oct-24	Mar-25 Mar-25	Nov-25 Nov-25	Nov-25 Nov-25	Dec-25	Dec-25
2	Heavy Maintenance Facility (HMF)	Plan Forecast % Complete	Complete Complete 100%	Complete Complete 100%	Complete Complete 100%	Complete Complete 100%	TBD	TBD	TBD	TBD	TBD	TBD	TBD	TBD

Project Development – Key Actions

Project Development (Environmental Clearance) – Key Actions Summary

Project Section	Key Actions
San Francisco To San Jose	Environmental Clearance activities complete. The 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 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	Work through NOD/ROD has been completed. Staff finalizing the Administrative Record and working towards the completion of the Final ROD. NEPA limitations of claims is expected to be published by the end of September 2024.
Burbank To Los Angeles	Work through NOD/ROD has been completed. Project closeout activities are ongoing.
Los Angeles To Anaheim	During the month of August 2024, the LA-A project section finalized the review of environmental submittals and outreach documents and began their review of the assembled LA-A Admin Draft EIR/EIS. The Preliminary Engineering for Project Definition (PEPD) documents are scheduled to be distributed to cities and agencies for review in September 2024.

Project Development (Post-ROD) – Key Actions Summary

Project Section	Key Actions
Merced Extension (Merced To Madera)	Stantec Consulting Services Inc. (Stantec), under agreement HSR 22-02, continues to make progress. For the design purpose, this project is split into four segments. The 30% design for the North Segment was approved on June 28, 2024. The 30% design for the South segment is expected to be approved in October 2024. The design consultant, Stantec Inc., is consistently exceeding all three Small Business goals for this project.
Fresno to Bakersfield Locally Generated Alternative (LGA)	The Authority and HNTB have divided the LGA alignment into 3 segments, for the purpose of design – Segment 1 (Shafter/BNSF Segment), Segment 2 (East/West Corridor) and Segment 3 (Southern Segment). The 30% design packages for the alignment are currently in review by the authority. Right of Way Acquisition activities have begun along the alignment with emphasis on high priority, full take, and long lead parcels. HNTB has achieved the Small Business utilization goal of 30%. Final configuration footprint is expected by the end of November 2024. Construction could begin by late 2026, and is funded through Segments 1 & 2 by a combination of the CRISI and FSP grants.