



Finance & Audit Committee

CENTRAL VALLEY STATUS REPORT

February 2022 Report (data through December 2021)

Executive Summary

Construction Packages (CP's) Design-Build Expenditures ([Page 5](#))

- December 2021 Expenditures totaled \$44.6M:
 - Construction Package 1 – Expenditures totaled \$12.5M.
 - Construction Package 2-3 – Expenditures totaled \$12M.
 - Construction Package 4 – Expenditures totaled \$20.1M.
- Total CP Cumulative Actual Expenditures (Pages 14, 23, and 32) – \$3,631.2M.
- Total Cumulative Current Contract Amount (Pages 14, 23, and 32) – \$5,289M.

Change Orders

- Executed Change Orders this period – Fourteen for a total of \$54.9M:
 - Construction Package 1 – Nine for a total of \$2.2M (Page 17).
 - Construction Package 2-3 – Three for a total of \$50.4M (Page 26).
 - Construction Package 4 – Two for a total of \$2.3M (Page 35).

Risk Contingency ([Page 6](#))

- Original Contract Contingency – \$4,000.7M with Contract Contingency as of December 31, 2021 – \$1,775.7M:
 - Construction Package 1 (Page 17) – \$1,944.5M with Contract Contingency as of December 31, 2021 – \$924.3M.
 - Construction Package 2-3 (Page 26) – \$1,638.4M with Contract Contingency as of December 31, 2021 – \$700.6M.
 - Construction Package 4 (Page 35) – \$417.8M with Contract Contingency as of December 31, 2021 – \$150.8M.

CP Design (Structures/Guideway)

- Expected completion of all CP's major design - Ready for Construction (RFC) by the Second Quarter of 2022:
 - Construction Package 1 – 38 of 40 total design packages cleared for construction. Forecasted completion is Second Quarter of 2022 (2.5 Mile Caltrans Segment awaiting railroad approvals. Sweeper Package elements being finalized).
 - Construction Package 2-3 – 107 of 109 total design packages cleared for construction. Expected completion is Second Quarter of 2022 (Cole Slough and Dutch John pending Right-of-Way (ROW) acquisition for Geotech, Alpaugh ponds design approved in December).
 - Construction Package 4 – 14 of 14 total design packages cleared for construction.

Third-Party Design ([Page 7](#))

- Construction Package 1-4 – 583 of 716 or 81% completed. An increase of one from the previous month (from 582):
 - Construction Package 1 – 245 of 305 or 80% completed and 60 in progress. An increase of one from the previous period.
 - Construction Package 2-3 – 210 of 250 or 84% completed and 40 in progress. No change from the previous period.
 - Construction Package 4 – 128 of 161 or 80% completed and 33 in progress. No change from the previous period.

CP Construction Labor (Page 8)

- December 2021, Average Daily Site Workers (by Week) – 766 workers. A decrease of 123 workers from the previous period (from 889):
 - Construction Package 1 (Page 18) – 210 workers. A decrease of 58 workers from the previous month (268).
 - Construction Package 2-3 (Page 27) – 425 workers. A decrease of 26 workers from the previous month (451).
 - Construction Package 4 (Page 36) – 131 workers. A decrease of 39 workers from the previous month (170).
- Daily Average Contracted CP Employees Quarantined for COVID-19 in December 2021 – six. A decrease of six from the daily average of 12 in November 2021.
- 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 9)

- Structures – 66 underway/substantially complete compared to 93 structures total. No change from the previous period:
 - Construction Package 1 – 26 structures underway/substantially complete.
 - Construction Package 2-3 – 29 structures underway/substantially complete.
 - Construction Package 4 – 11 structures underway/substantially complete.
- Guideway – 86 miles constructed/underway compared to 119 miles total. No change from the previous period:
 - Construction Package 1 – 16 miles underway/substantially complete.
 - Construction Package 2-3 – 48 miles underway/substantially complete.
 - Construction Package 4 – 22 miles underway/complete.
- Utility Relocations Status – Relocated: 761 (41%); In Progress: 414 (22%); Approved to Start: 104 (6%); Not Started: 568 (31%); Total: 1,847. Fourteen relocated in December 2021 reporting period. To begin utility relocation work, a sequence of activities must be completed. 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: 317 (32%); In Progress: 362 (36%); Approved to Start: 0 (0%); Not Started: 313 (32%); Total: 992.
 - Construction Package 2-3 – Relocated: 373 (54%); In Progress: 36 (5%); Approved to Start: 63 (9%); Not Started: 222 (32%); Total: 694.
 - Construction Package 4 – Relocated: 71 (44%); In Progress: 16 (10%); Approved to Start: 41 (25%); Not Started: 33 (21%); Total: 161.

CP Real Property/Right-of-Way (ROW) (Pages 10 - 12)

- Total Parcels Delivered to Date – 2,041 parcels compared to an estimated 2,285 parcels needed.
- Parcels Delivered to Design-Builder (DB) – 30 parcels in December 2021.
- Construction Packages 1-4 – 16 parcels added, and five parcels removed due to optimized design. Net increase of 11 parcels. 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.
- Railroad Parcels Delivered to Design-Builder – Zero parcels. Zero delinquent Railroad parcels.
- Total Railroad Parcels Delivered to Date – 122 parcels delivered compared to an estimated 168 total railroad parcels needed.
- Land Right Conveyances (Tier 1, Prior to Construction):

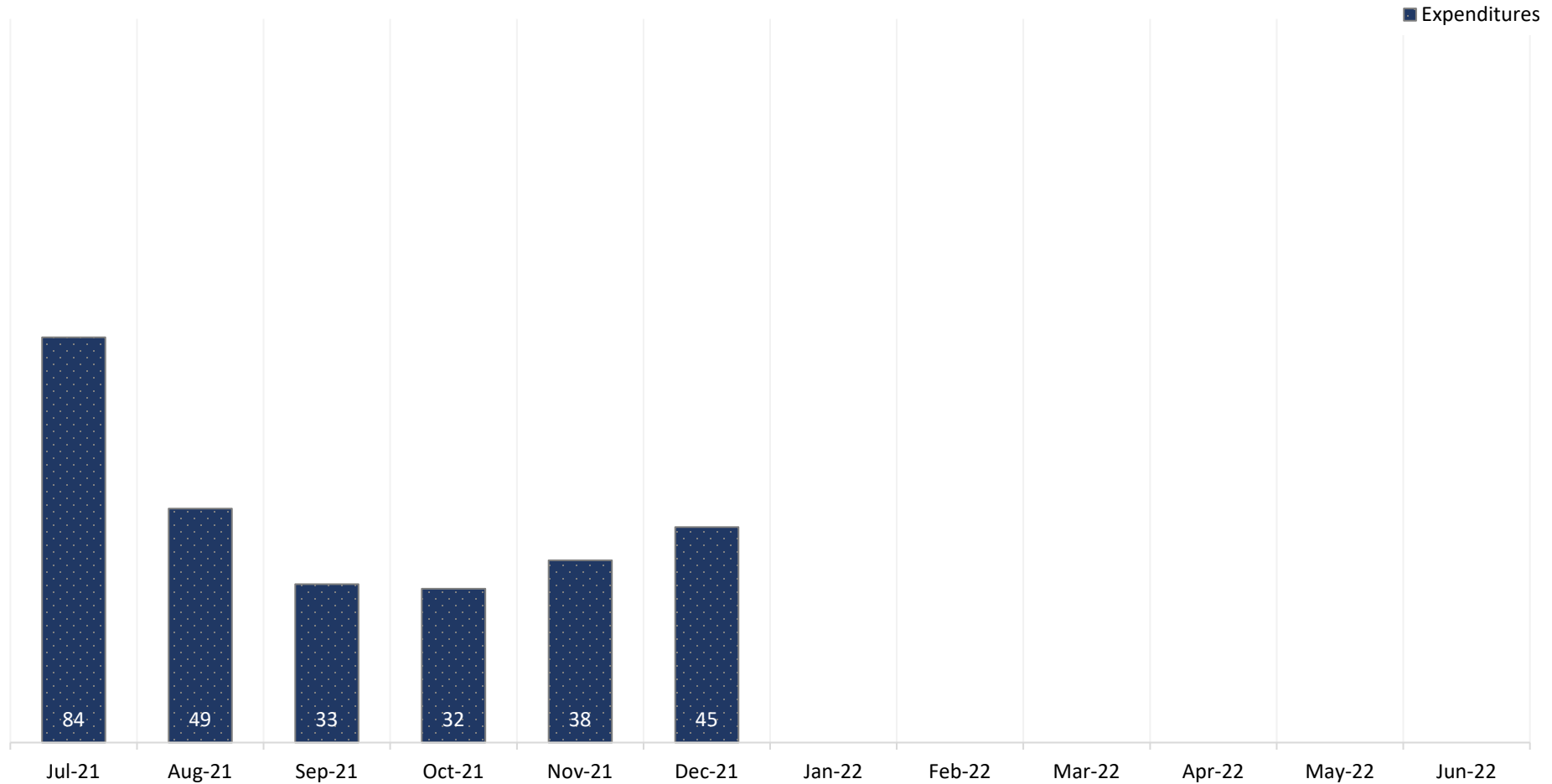
- Eight land right conveyances approved.
- To date, the Authority received approval on 626 land right conveyances.

Project Development (Environmental Clearance) Schedule – Notice of Determination (NOD)/Record of Decision (ROD) ([Pages 42 - 43](#))

- San Francisco to San Jose – 30-day Cooperating Agency Review of Administrative Final Environmental Impact Report/Environmental Impact Statement (EIR/EIS) closed December 23, 2021. Engineering and Environmental Consultant (EEC) has incorporated the Revised Draft Environmental Impact Report/Supplemental Draft Environmental Impact Statement (RDEIR/SDEIS) materials into the Final EIR/EIS for review in January 2022.
- San Jose to Merced – Final EIR/EIS content was completed, except wildlife movement mitigation, in preparation for February 2022 publication.
- Bakersfield to Palmdale – Received the Administrative Record (the last major deliverable through NOD/ROD). Completed the contract closeout/submitted Notices of Acceptances for Task Order #3 deliverables (e.g., through NOD/ROD). Worked with the contract manager on the scope of work and recommended value for Task Order #4, to provide support for meeting with key stakeholders, post NOD/ROD.
- Palmdale to Burbank – The team continued working through completing Step 6; the Page Turn review and workshops were completed, and the Regional Consultant (RC) prepared response to comments. The document freeze date is now targeted for late-January 2022. At the December 2021 Program Delivery Committee (PDC) meeting, the PDC concurred with staff’s recommendation/Business Case to move the Draft EIR/EIS Publication Date to Q1 2022 and NOD/ROD to Q2 2023; the Baseline schedule will be adjusted in all reporting documents.
- Burbank to Los Angeles – The Authority released the Final EIR/EIS and started the public availability period on November 5, 2021. Outreach meetings with elected officials, agencies/cities, and stakeholder groups for the Final EIR/EIS are ongoing. The Final EIR/EIS is scheduled for consideration by the Authority Board of Directors on January 19-20, 2022.
- Los Angeles to Anaheim – The team continued integrating additional Burlington Northern Santa Fe Corporation (BNSF) deliverables pertaining to the Colton and Lenwood facilities into the assembled Administrative Draft EIR/EIS and continued Preliminary Engineering for Project Definition (PEPD) reviews with external stakeholders.

CP 1-4 – Design-Build Expenditures

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

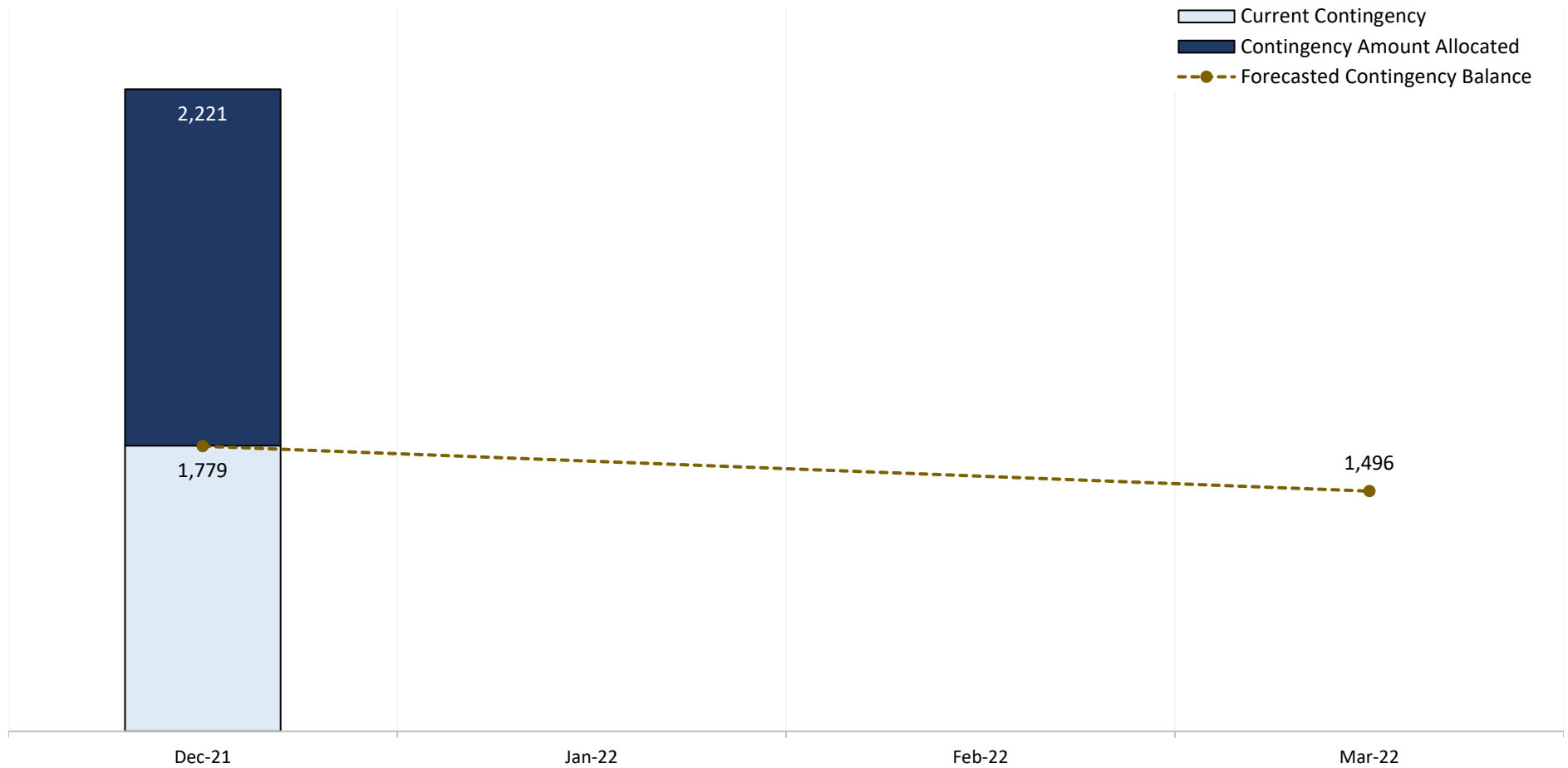


Notes:

1. Expenditures in the chart above are specific to the Design-Builder production and based on the Capital Outlay and Expenditure Report.
2. December 2021 Expenditures totaled \$44.6M:
 - a. Construction Package 1 – Expenditures totaled \$12.5M.
 - b. Construction Package 2-3 – Expenditures totaled \$12M.
 - c. Construction Package 4 – Expenditures totaled \$20.1M.

CP 1-4 – Risk Contingency

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

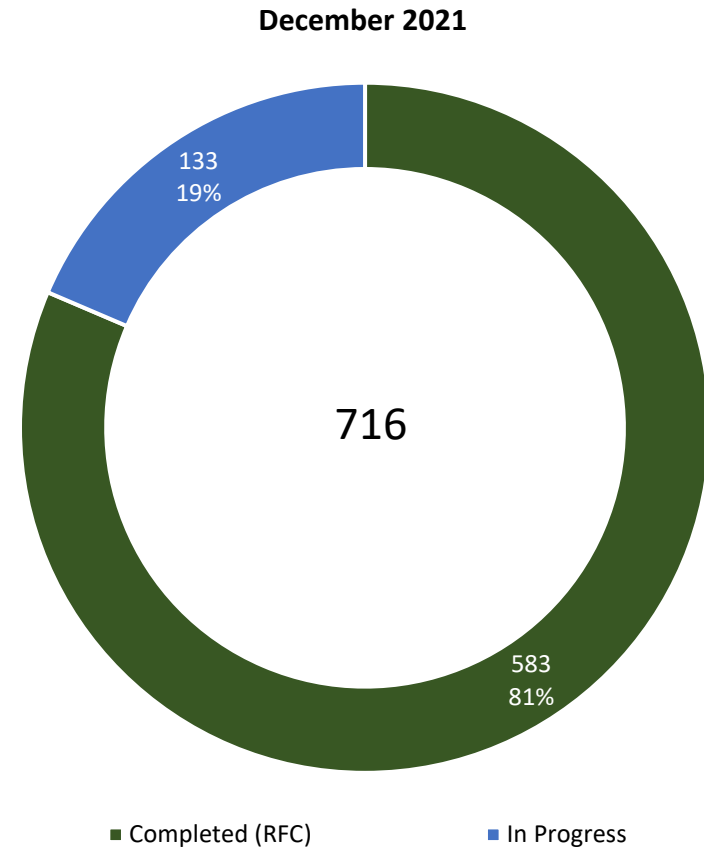
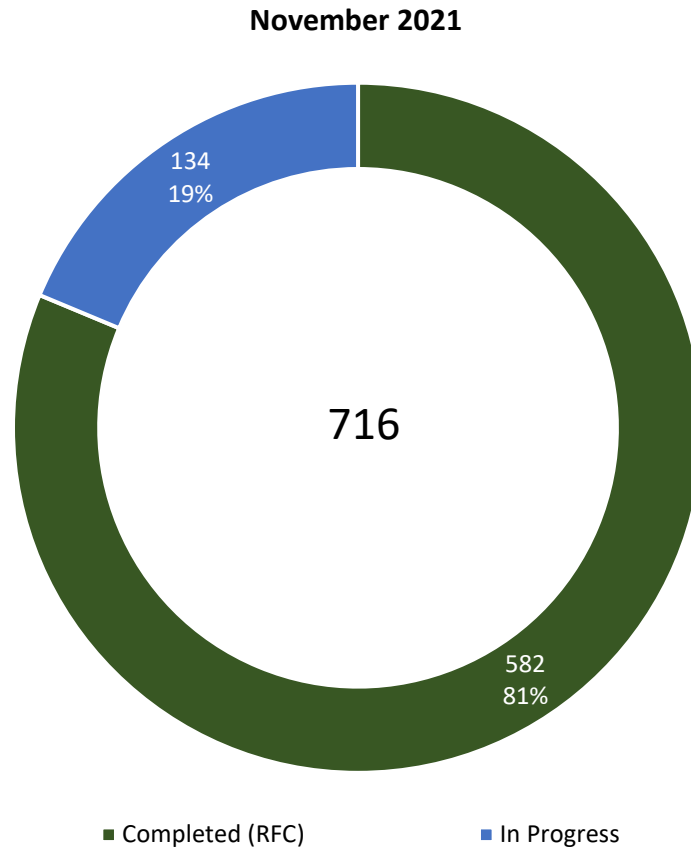


Notes:

1. Program baseline is \$4,001M.
2. Contingency balance updated to reflect the Board’s adoption of Resolution #HSR21-11 (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 on the estimated change orders expected to be executed within the three-month window.

CP 1-4 – Third-Party Design

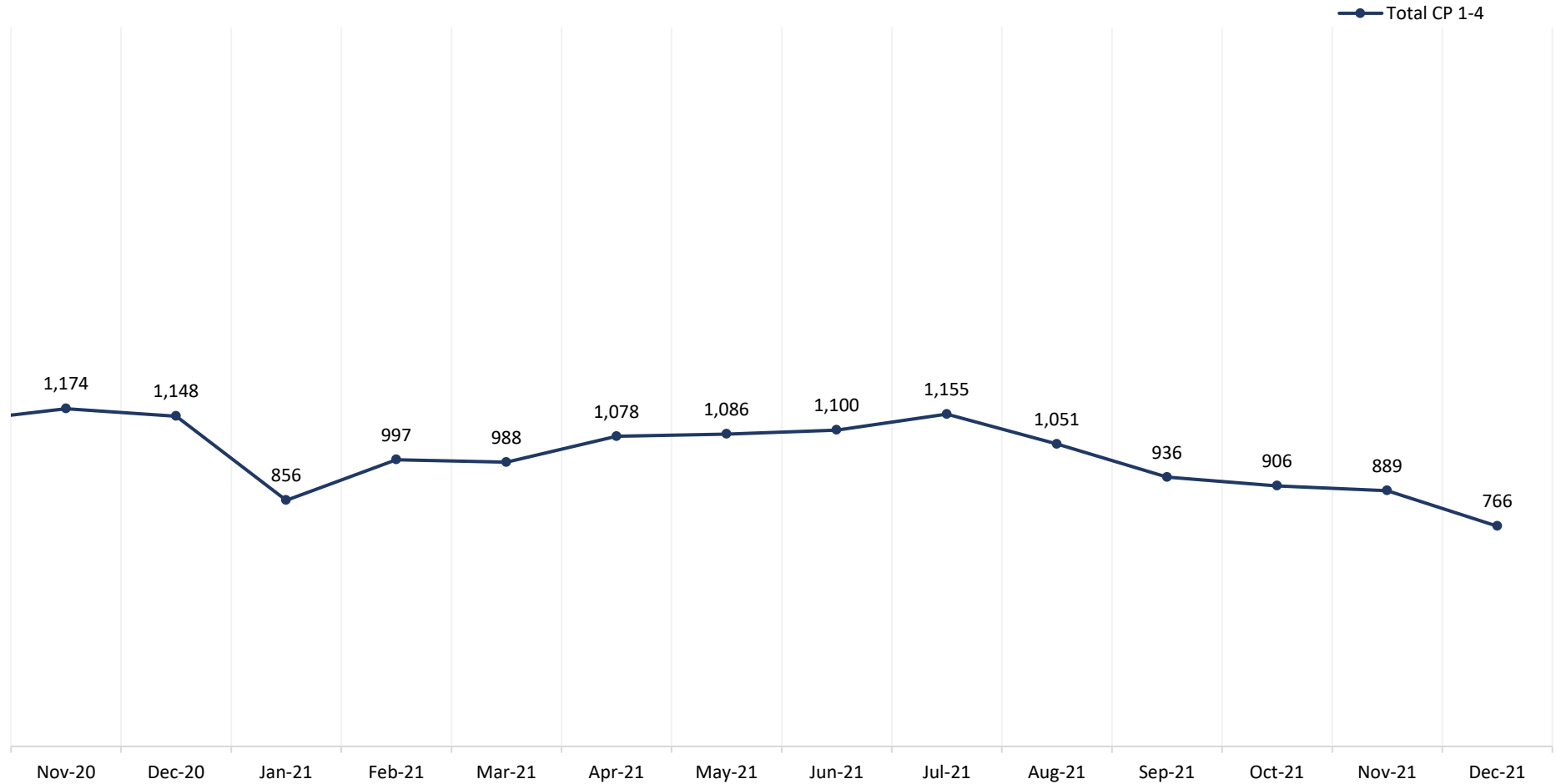
CP 1-4 – Third-Party Design Status



- Notes:**
1. Completed / Ready for Construction (RFC) - Applies to infrastructure crossing that the Authority Right-of-Way and design has been approved by Authority Engineering.
 2. In Progress - Contractor is in the process of preparing early design and concepts for the infrastructure owner to the process of preparing design to meet Authority requirements.
 3. The total number of designs needed may fluctuate from month to month. Designs are based on information from third-parties that may indicate design conflicts. Once contractors or the engineers visit the site or receive additional plan information from third-parties, conflicts may be resolved, or additional conflicts may be identified.
 4. Construction Package 1-4 – 583 of 716 or 81% completed. An increase of one from the previous month (from 582):
 - a. Construction Package 1 – 245 of 305 or 80% completed and 601 in progress. An increase of one from the previous period.
 - b. Construction Package 2-3 – 210 of 250 or 84% completed and 40 in progress. No change from the previous period.
 - c. Construction Package 4 – 128 of 161 or 80% completed and 33 in progress. No change from the previous period.

CP 1-4 – Construction Labor

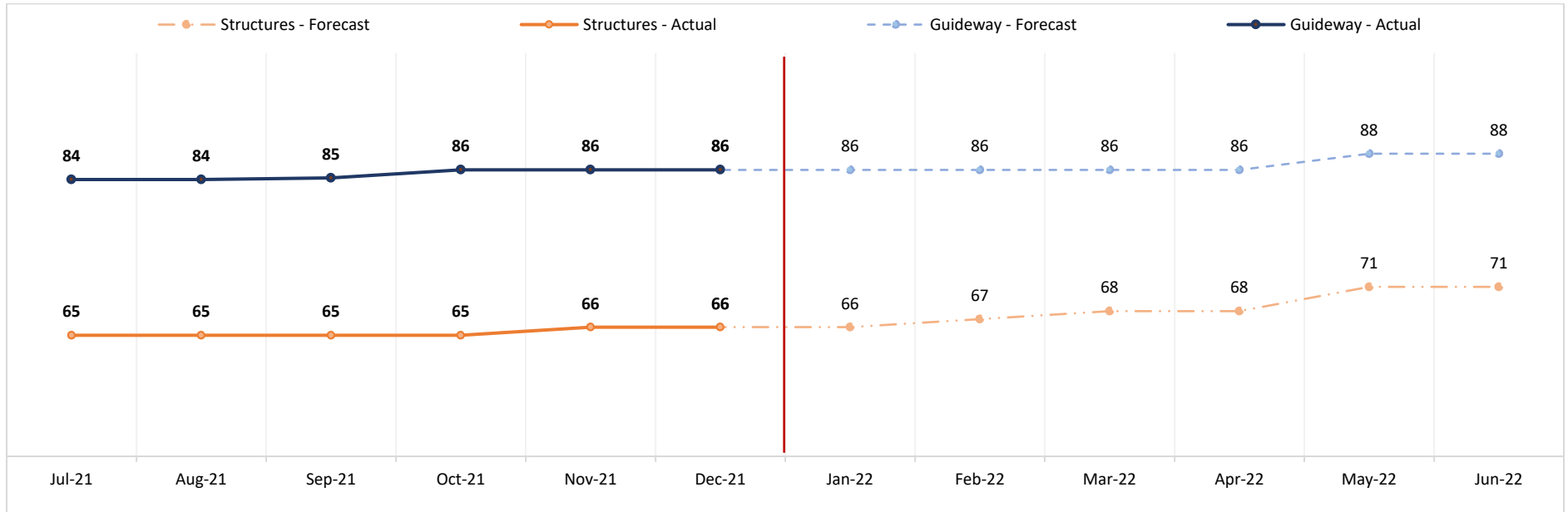
CP 1-4 – Monthly Construction Workforce Total – Actual (FTE)



- 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. December 2021, Average Daily Site Workers (by week) – 766 workers. A decrease of 123 workers from the previous period (from 889):
 - a. Construction Package 1 (Page 18) – 210 workers. A decrease of 58 workers from the previous month (268) attributable to the seasonal fluctuations caused by the holidays and wet weather.
 - b. Construction Package 2-3 (Page 27) – 425 workers. A decrease of 26 workers from the previous month (451) attributable to the seasonal fluctuations caused by the holidays and wet weather.
 - c. Construction Package 4 (Page 36) – 131 workers. A decrease of 39 workers from the previous month (170) attributable to the seasonal fluctuations caused by the holidays and wet weather.

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	
Structures	12	14	18	11	8	3	38	28	66
Guideway	14	2	15	33	6	16	35	51	86

Notes:

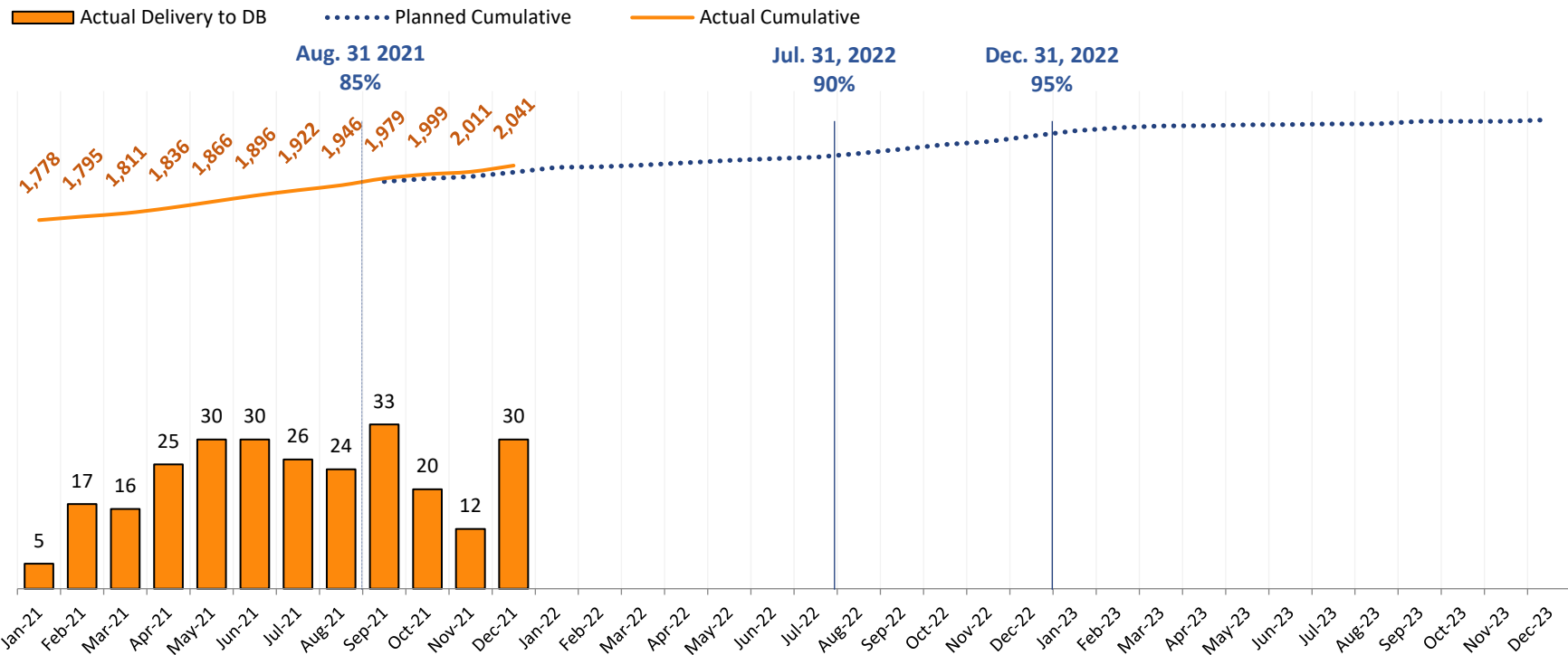
1. The chart above incorporates provisional forecast numbers pending submission and approval of Revised Baseline Schedules (RBS) Revision 3.
2. Total Structures: 93 each.
3. Total Guideway: approximately 119 miles.
4. Structures – 66 underway/substantially complete compared to 93 structures total. No change from the previous period:
 - a. CP 1 – 26 structures underway/substantially complete.
 - b. CP 2-3 – 29 structures underway/substantially complete.
 - c. CP 4 – 11 structures underway/substantially complete.
5. Guideway – 86 miles constructed/underway compared to 119 miles total. No change from the previous period:
 - a. CP 1 – 16 miles underway/substantially complete.
 - b. CP 2-3 – 48 miles underway/substantially complete.
 - c. CP 4 – 22 miles underway/complete.

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

CP 1-4 – Right-of-Way (ROW) Summary

Construction Package	Total Needed Parcels December 31, 2021	Total Parcels Delivered to Date December 31, 2021	Remaining Parcels to be Delivered December 31, 2021
CP 1	1,070	987	83
CP 2-3	977	855	122
CP 4	238	199	39
Total	2,285	2,041	244

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



Notes:

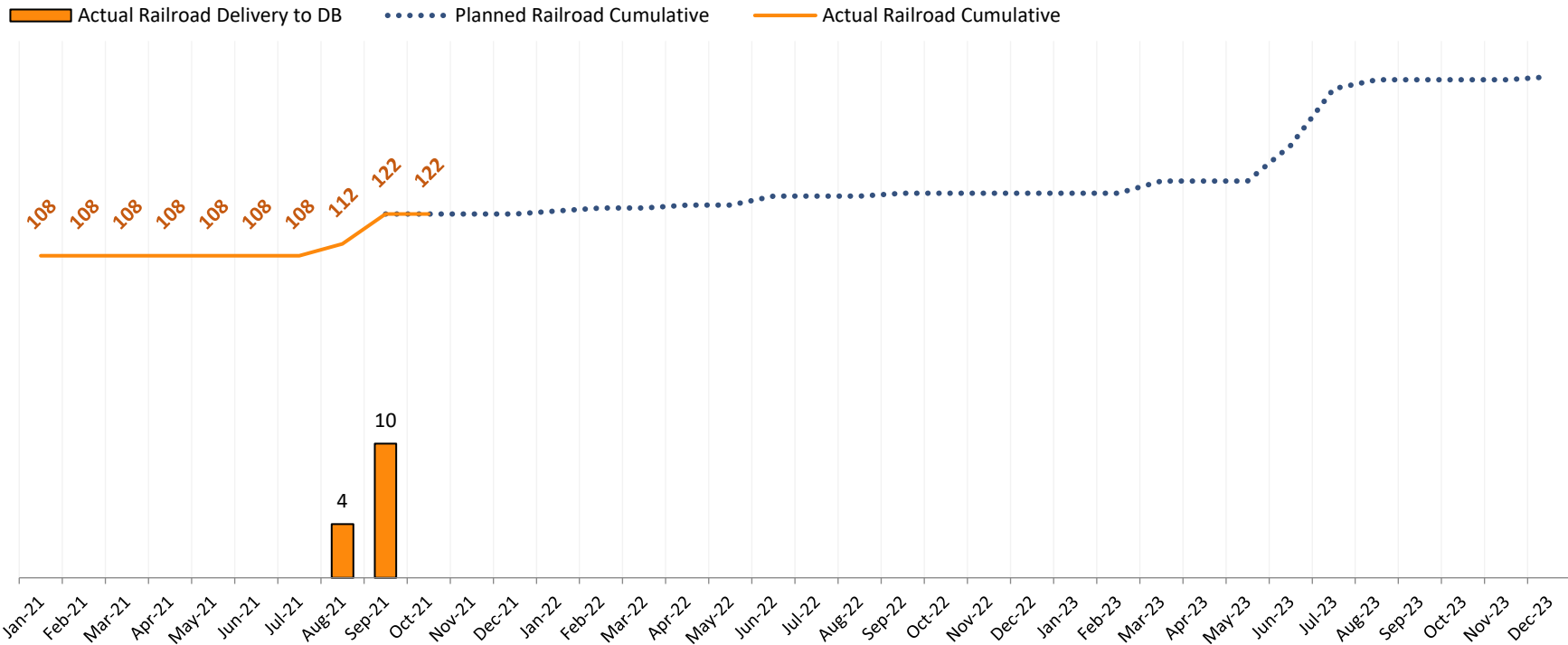
1. This reflects the actual parcels delivered to the Design-Builder by month compared to the planned delivery schedule which identifies 90% and 95% milestone completion for CP 1-4. The 90% and 95% milestone completion does not include any additional parcels that may be added.
2. Sixteen parcels added to Total Needed Parcels, and five parcels removed due to optimized design. Net increase of 11 parcels.

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 December 31, 2021	Total Railroad Parcels Delivered to Date December 31, 2021	Remaining Railroad Parcels to be Delivered December 31, 2021
CP 1	83	57	26
CP 2-3	56	36	20
CP 4	29	29	0
Total	168	122	46

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



Notes:

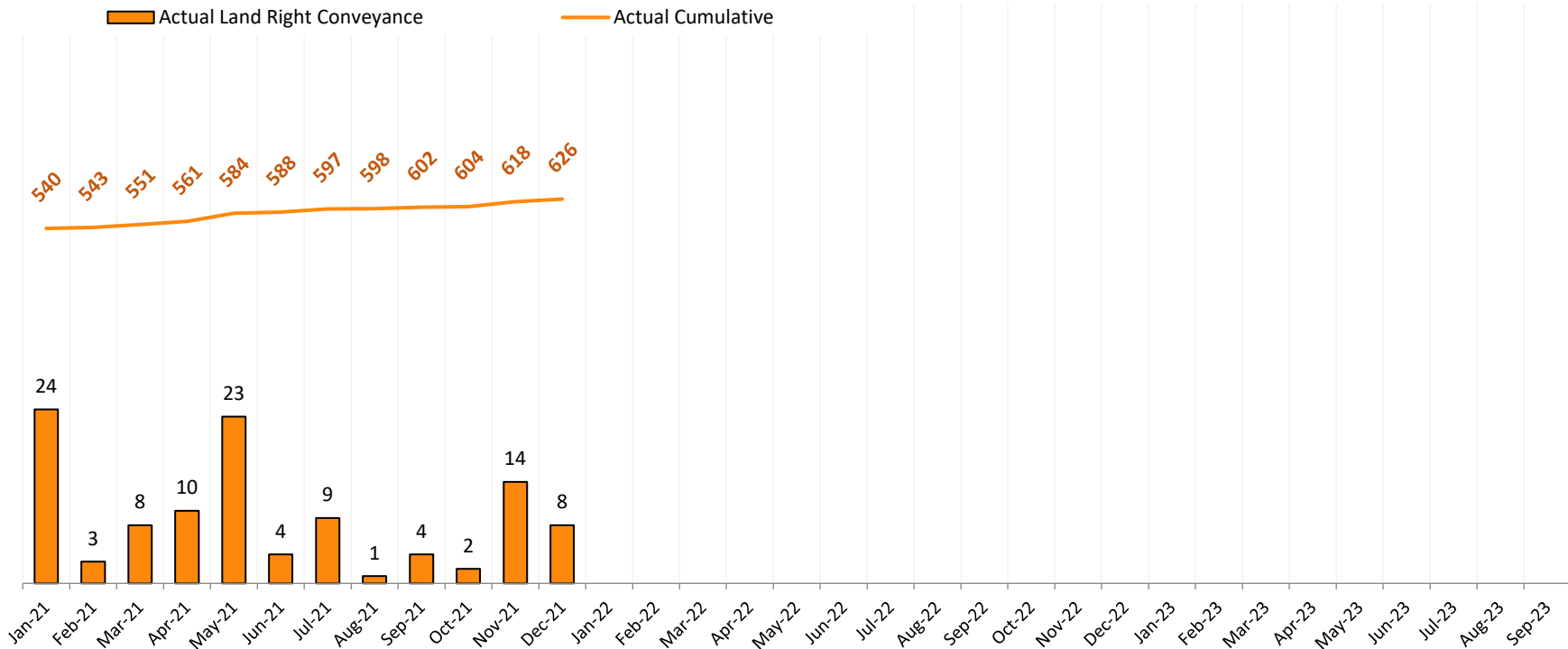
1. The Planned Cumulative line for Railroad Parcel Delivery reflects Revised Baseline Schedule (RBS) Revision 3.

CP 1-4 – Tier 1 Land Right Conveyances Required Prior to Construction (PG&E, SCE, FID, FMFCD)

CP 1-4 – Tier 1 Land Right Conveyances Required Prior to Construction (PG&E, SCE, FID, FMFCD) Summary

Construction Package	Total Needed Land Right Conveyances December 31, 2021	Total Land Right Conveyances Approved ⁽³⁾ December 31, 2021	Remaining Land Right Conveyances to be Approved December 31, 2021
CP 1	439	333	106
CP 2-3	433	248	185
CP 4	88	45	43
Total	960	626	334

CP 1-4 – Tier 1 Land Right Conveyances Required Prior to Construction (PG&E, SCE, FID, FMFCD) Summary

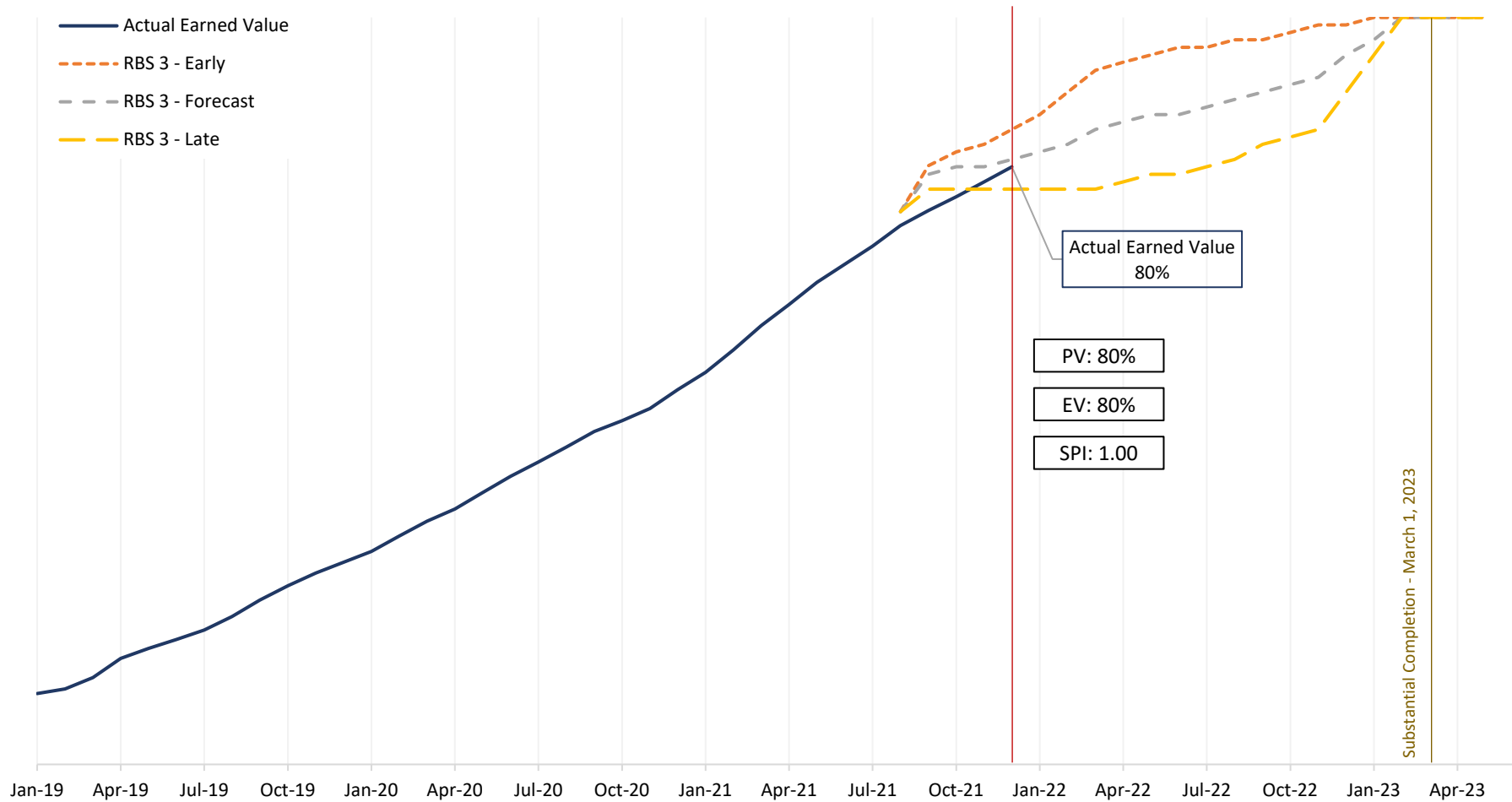


Notes:

1. The Planned Cumulative line for Land Right Conveyances is being adjusted to reflect Revised Baseline Schedule (RBS) Revision 3 and will be reflected in a subsequent report.
2. The term "Approved" is defined as land right conveyances with Director of Real Property for signature, PG&E for signature, or recorded.

CP 4 – Earned Value

CP 4 – Earned Value Summary (%)

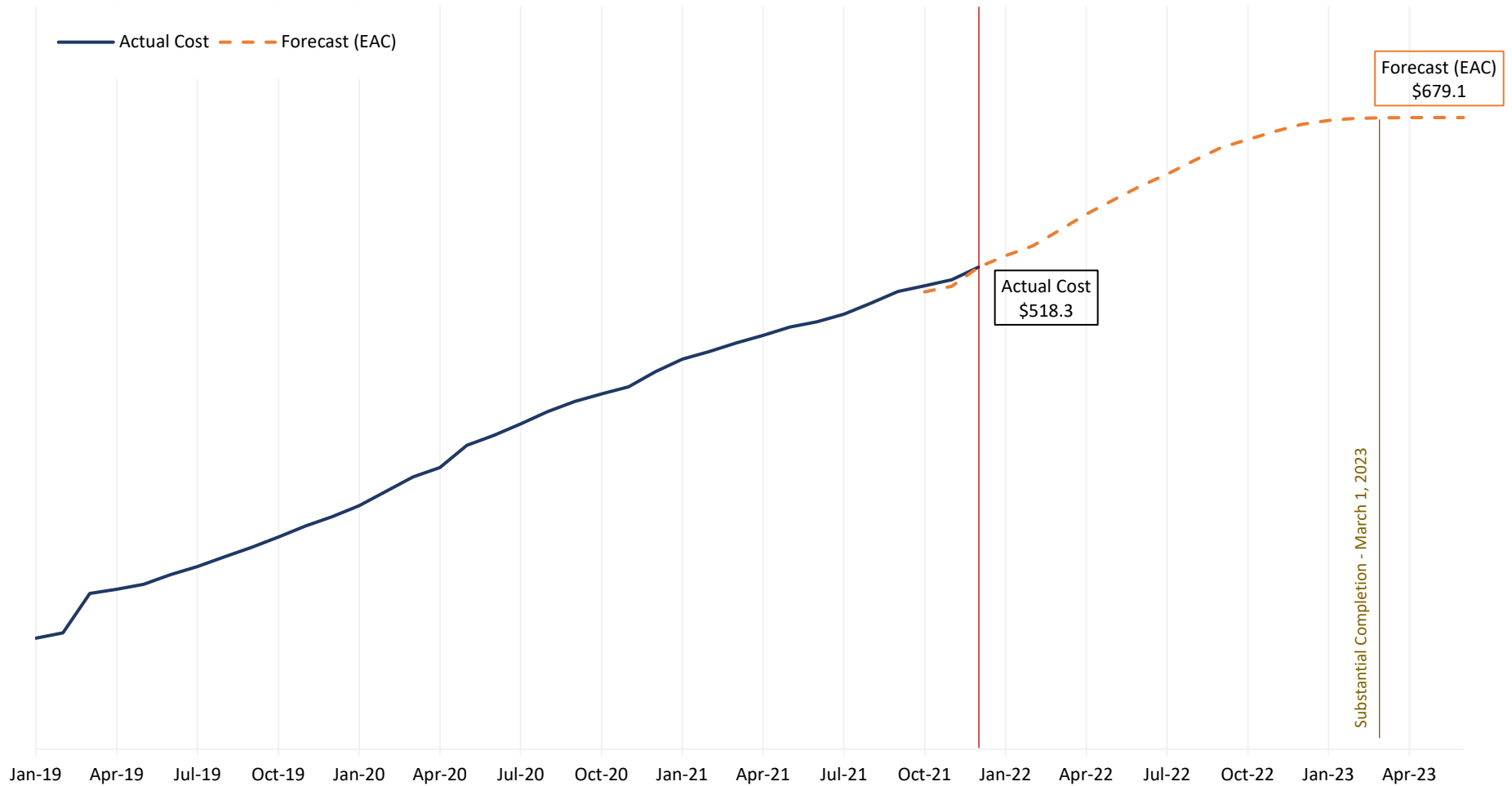


Notes:

1. The plan graphs are based on RBS Revision 3, which has a data date of October 1, 2021 and a substantial completion date of March 1, 2023. Actual graph is as of December 31, 2021.
2. Earned Value represents physical progress of site activities, which is based on project team verification of site progress measurements.
3. The early dates graph is optimistic and assumes activities will take place on the schedule early dates
4. Average graph assumes non-critical path activities are taking place mid-way of early and late dates.
5. The late dates graph assumes activities will take place on the schedule late dates. If actuals fall below late graph, it indicates schedule slippage. To provide contingency, the Schedule Performance Index (SPI) is measured against the average graph.
6. Time contingency is not included in these forecasts. This is Authority owned contingency.

CP 4 – Cost Trend

CP 4 – Cost Trend Summary (\$ Millions)



Notes:

1. The graph provides a comparison of the project actual cost performance against the target Estimate at Completion (EAC).
2. The target EAC forecast is based on the contract value and the estimated cost of expected change orders.

CONSTRUCTION PACKAGE 1 (CP 1) OVERVIEW⁽¹⁾

CP 1 – Design-Build Contract Summary⁽²⁾

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 ⁽³⁾ :	03/04/2024
Current Forecast Substantial Completion Date⁽⁴⁾:	12/29/2023

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:	\$1,406,010,403.20
Current Contract Amount:	\$2,428,998,403.20
Approved Invoices to Date:	\$1,641,450,466.24
Remaining Contract Balance:	\$787,547,936.96

Contract Time Status

Description	Duration
Original Contract Days:	1,628
Extension of Time Awarded:	2,099
Current Forecast Contract Days:	3,727
Calendar Days Worked (thru 12/31/2021):	2,999

Expended to Date

Description	Percentage
Time:	80.5%
Dollars:	67.6%

Growth Percentage

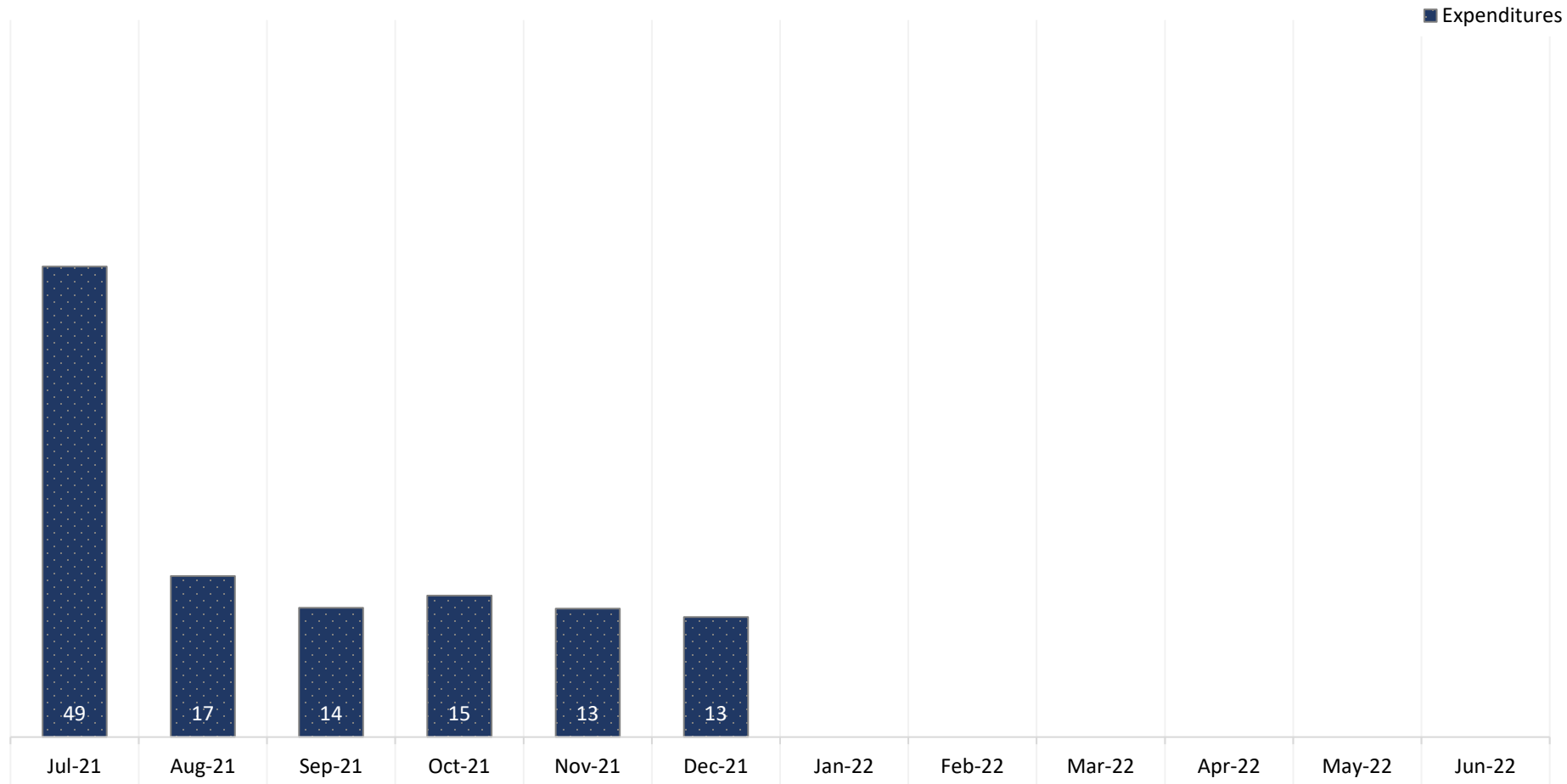
Description	Percentage
Time:	128.9%
Dollars:	137.4%

Notes:

- Information in this section is coming from data provided by the PCM – Monthly Status Report.
- Updated to align with Current Substantial Completion Date based on Expenditure Authorization (pending executed change order).
- Expenditure Authorization Current Forecast Substantial Completion Date (pending executed change order) – December 29, 2023.
- Subject to finalization of Revised Baseline Schedules (RBS) Revision 3 and execution of contract changes of any time extensions.
- 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 Forecast Substantial Completion Date.

CP 1 – Design-Build Expenditures

CP 1 – Monthly Expenditures (\$ Millions)



Notes:

1. Expenditures in the chart above are specific to the Design-Builder production and based on the Capital Outlay and Expenditure Report.

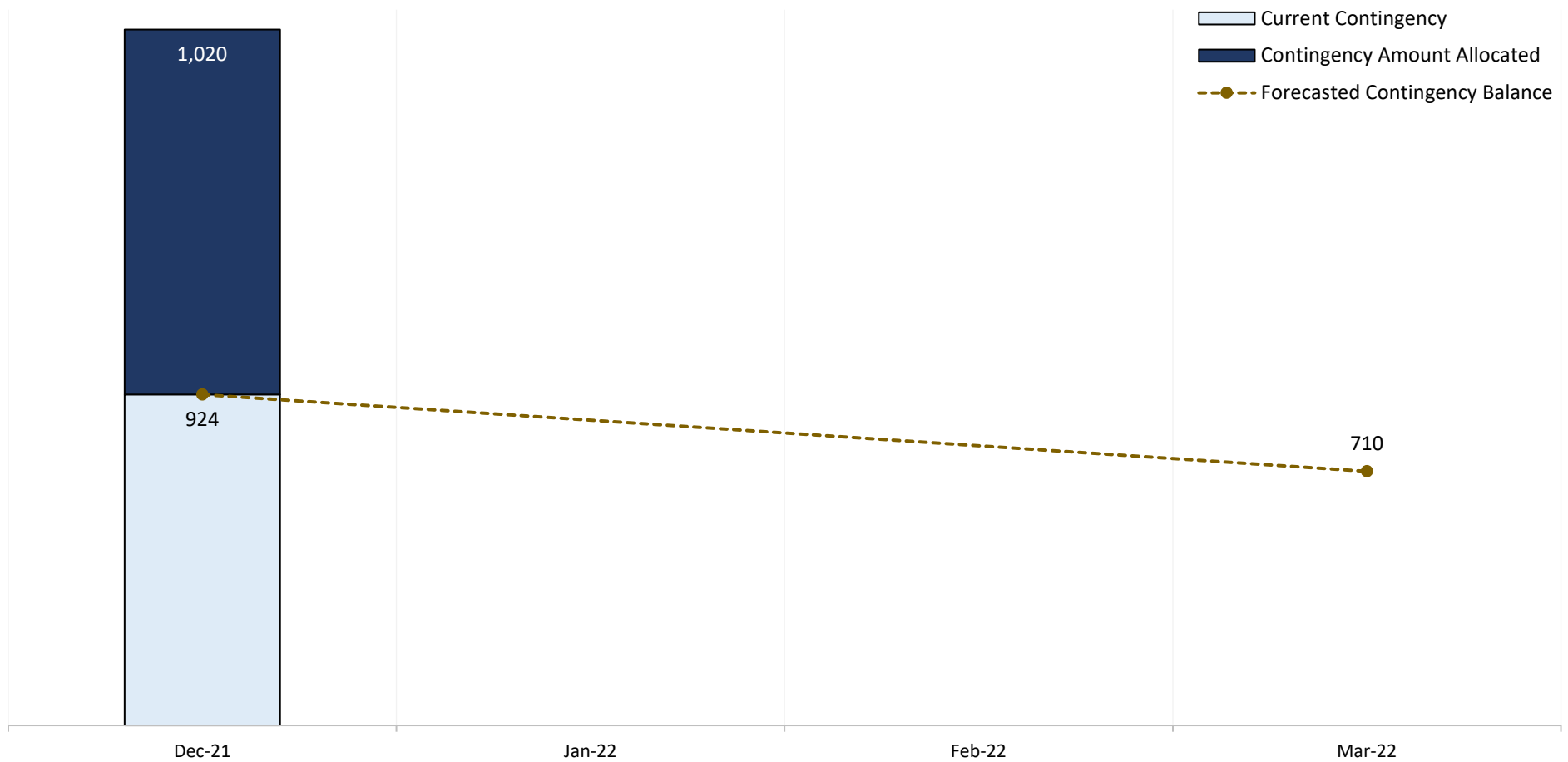
CP 1 – Change Orders

CP 1 – Change Order Status

CO Number	Title	Change Status	Amount	Executed Date
00387	Property Availability, Parcel MF-20-0984	Executed	\$395,602	23-Dec-21
00405	COF Accommodate Right Turn Truck Movement at Safford and Belmont	Executed	\$116,315	23-Dec-21
00376	Accelerated Opening of Avenues 7, 10 and 15 Overcrossing - OT and DT Premium	Executed	\$33,936	23-Dec-21
00005.2	Local and Long Distance Phone Additional Charges II	Executed	\$18,062	22-Dec-21
00404	Central Avenue additional County Roadway Improvements - Design	Executed	\$11,716	22-Dec-21
00406	Fresno Trench Strut Loss Analysis and Mitigation - Construction	Executed	\$725,584	17-Dec-21
00263.01	Sprint Costs due to UPRR CTC Project	Executed	\$886,732	17-Dec-21
00403	Comcast T2-705 Utility Relocation at Road 27 - Design	Executed	\$37,882	17-Dec-21
00399	CVIN Conflict with COF W1-012 near Carnegie Avenue - Design	Executed	\$27,640	17-Dec-21
TOTAL			\$2,253,470	

CP 1 – Risk Contingency

CP 1 – Risk Contingency Status (\$ Millions)

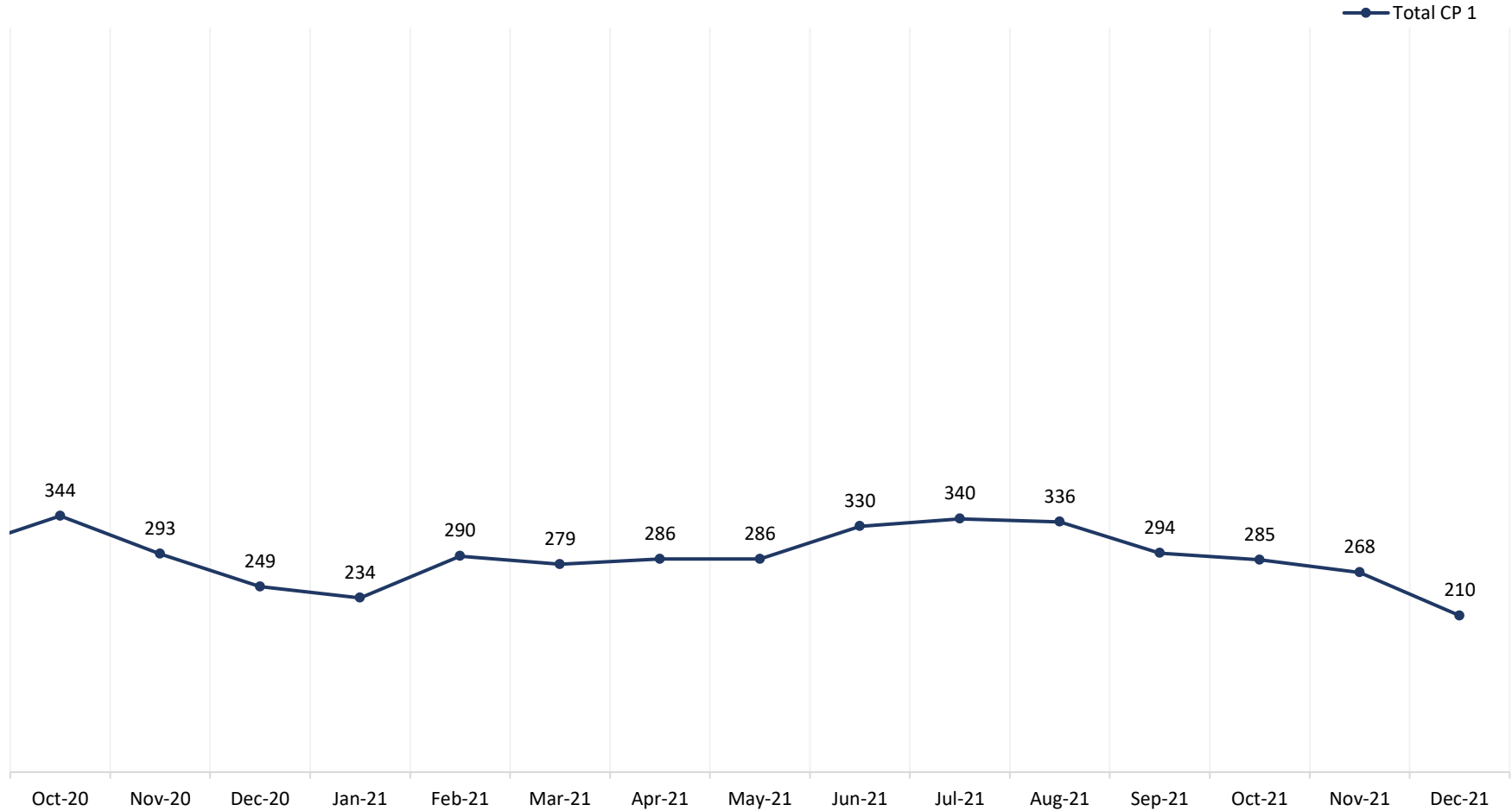


Notes:

1. Program baseline is \$1,945M.
2. Contingency balance updated to reflect the Board's adoption of Resolution #HSR21-11 (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 on the estimated change orders expected to be executed within the three-month window.

CP 1 – Monthly Construction Labor

CP 1 – Monthly Construction Workforce Total – Actual

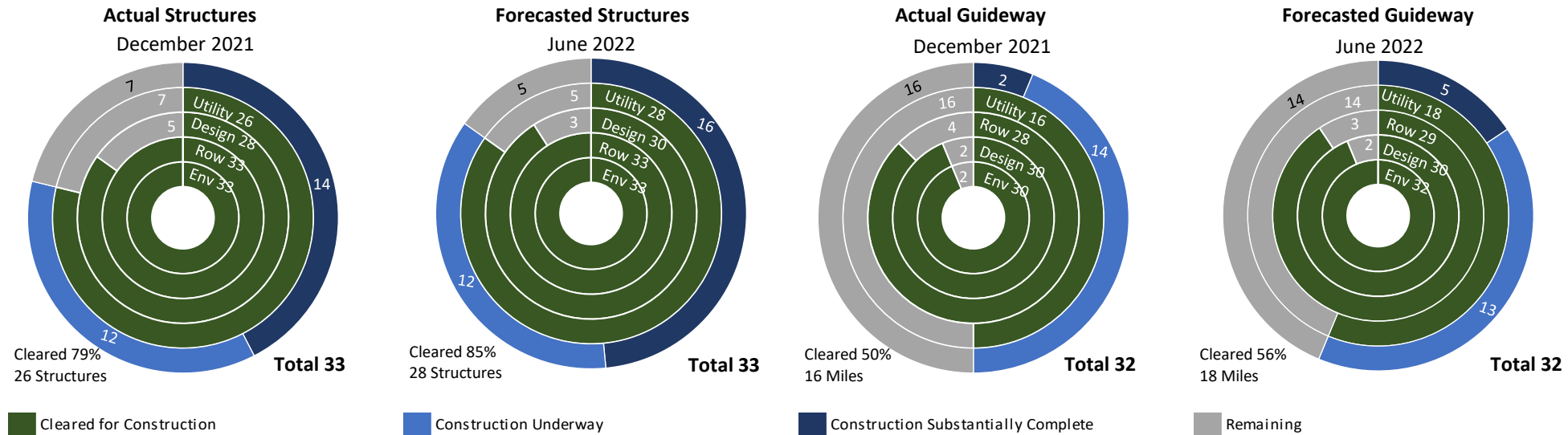


Notes:

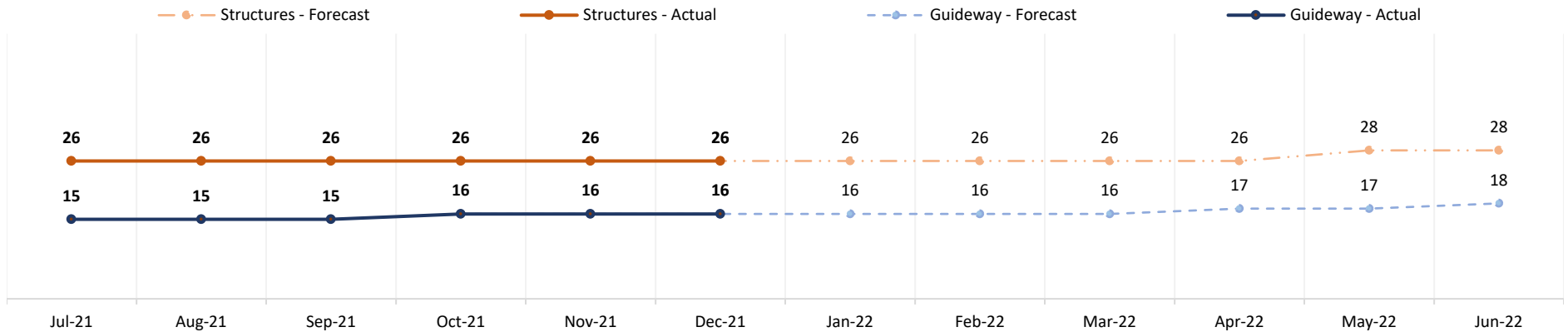
1. The construction labor numbers (full-time employees) are based on the weekly totals divided by the number of weeks within the working calendar month and represents the Average Daily Site Workers (by week).
2. A decrease of 58 workers from the previous month (268) attributable to the seasonal fluctuations caused by the holidays and wet weather.

CP 1 – Construction Progress

CP 1 – Construction Progress



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



Notes:

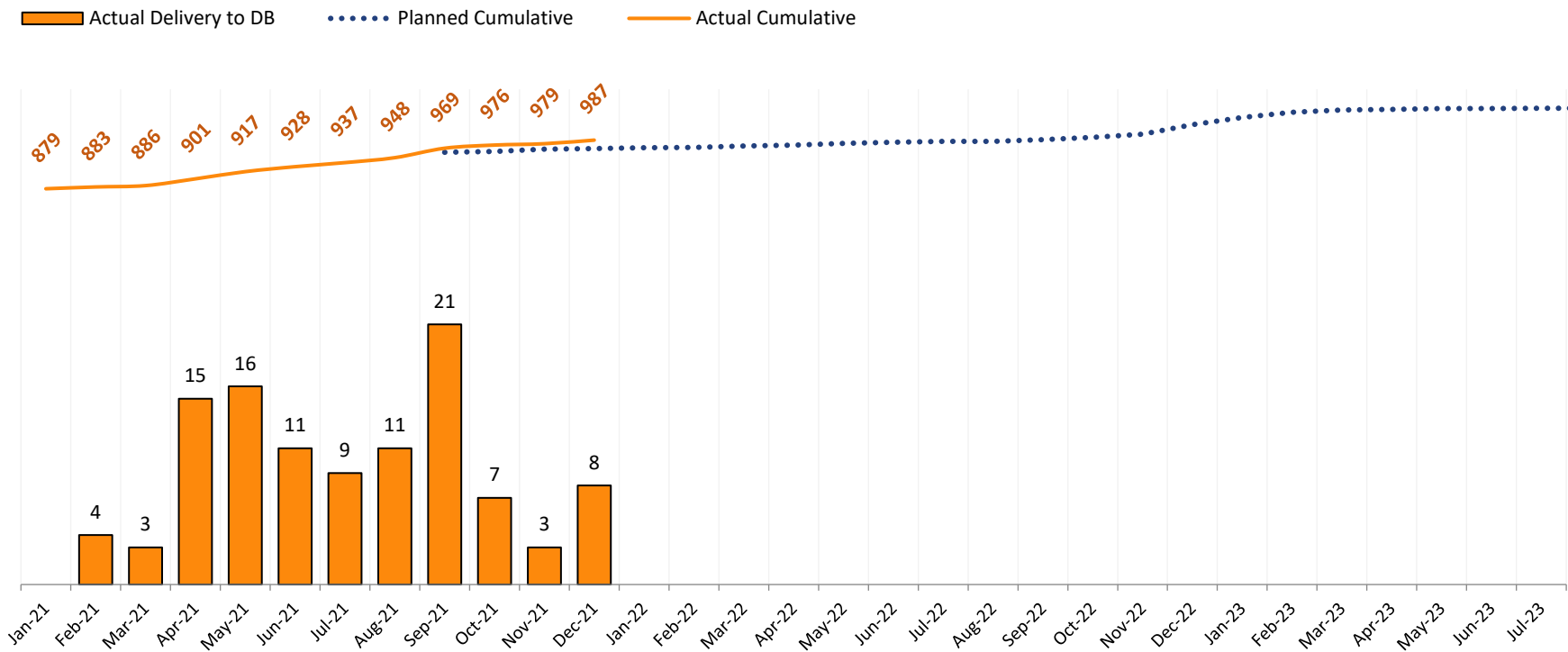
- The circle charts above incorporate Revised Baseline Schedules (RBS) Revision 3 data pending approval.
- The line chart above incorporates provisional forecast numbers pending submission and approval of RBS Revision 3.
- Total Structures: 33 structures:
 - 26 structures underway/substantially complete.
- Total Guideway: 32 miles:
 - 16 miles underway/substantially complete.

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

CP 1 – Right-of-Way (ROW) Summary

Construction Package	Total Needed Parcels December 31, 2021	Total Parcels Delivered to Date December 31, 2021	Remaining Parcels to be Delivered December 31, 2021
CP 1	1,070	987	83

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



Notes:

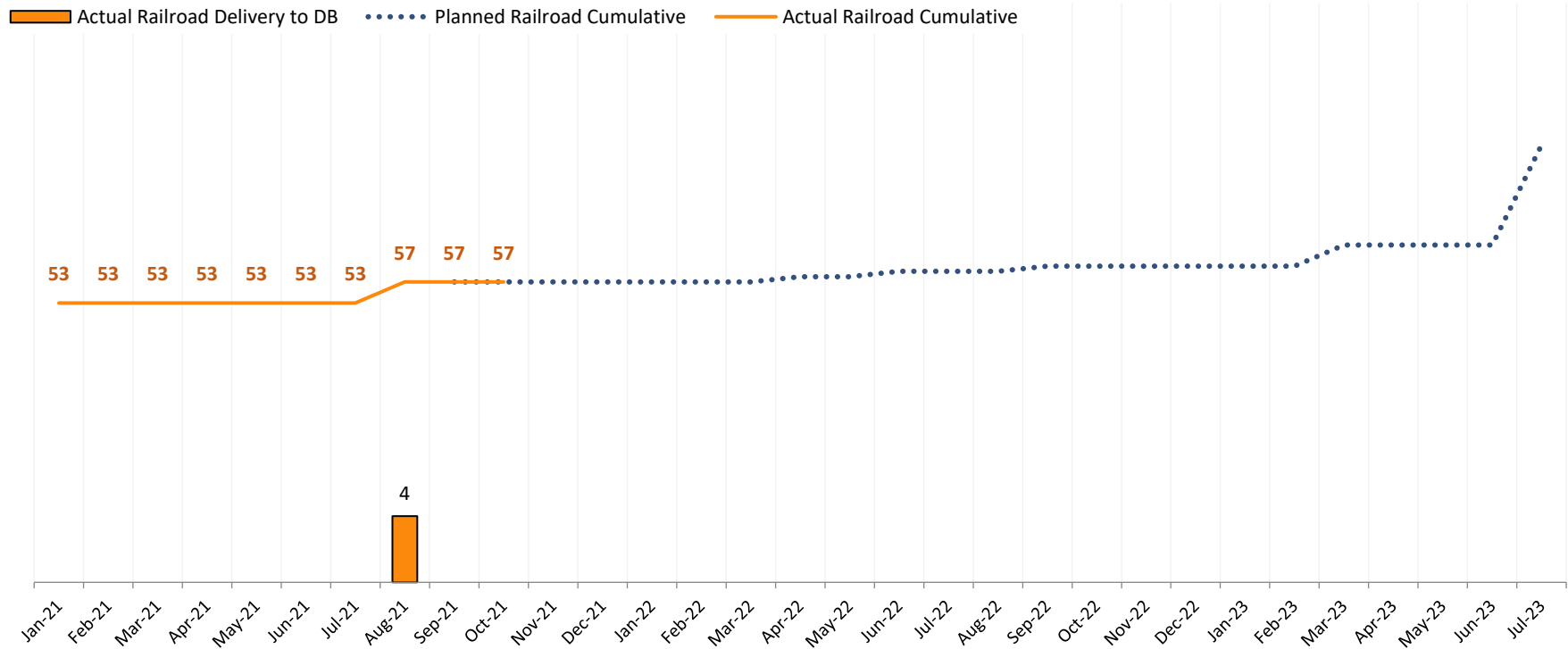
1. This reflects the actual parcels delivered to the Design-Builder by month and projection based on the Revised Baseline Schedules (RBS) Revision 3.
2. Fourteen parcels added to Total Needed Parcels in CP 1 (one Authority owned parcels requiring no acquisition), and two parcels removed.

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

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

Construction Package	Total Needed Railroad Parcels December 31, 2021	Total Railroad Parcels Delivered to Date December 31, 2021	Remaining Railroad Parcels to be Delivered December 31, 2021
CP 1	83	57	26

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



Note:

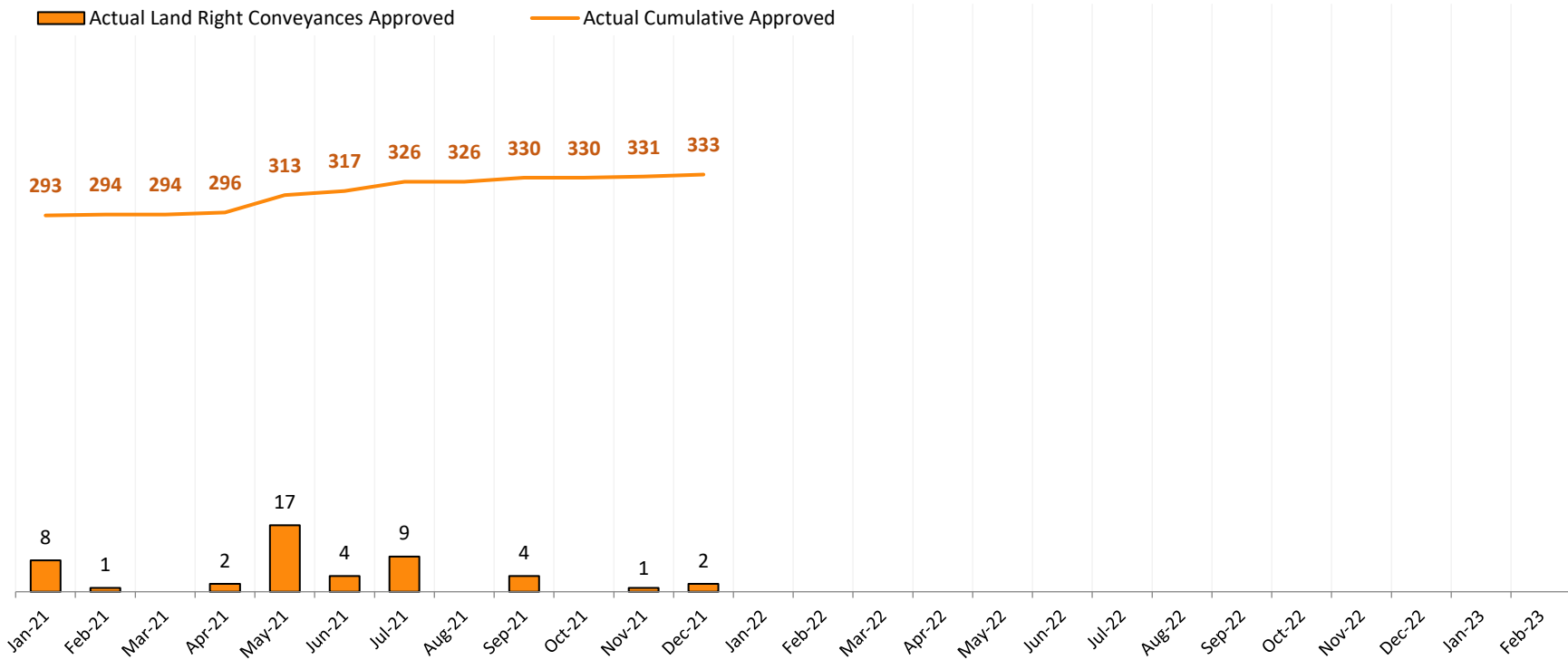
1. The Planned Cumulative line for Railroad Parcel Delivery reflects Revised Baseline Schedule (RBS) Revision 3.

CP 1 – Tier 1 Land Right Conveyances Required Prior to Construction (PG&E, SCE, FID, FMFCD)

CP 1 – Tier 1 Land Right Conveyances Required Prior to Construction (PG&E, SCE, FID, FMFCD) Summary

Construction Package	Total Needed Land Right Conveyances December 31, 2021	Total Land Right Conveyances Approved ⁽³⁾ to Date December 31, 2021	Remaining Land Right Conveyances to be Approved December 31, 2021
CP 1	439	333	106

CP 1 – Tier 1 Land Right Conveyances Required Prior to Construction (PG&E, SCE, FID, FMFCD) Summary



Notes:

1. The Planned Cumulative line for Land Right Conveyances is being adjusted to reflect Revised Baseline Schedule (RBS) 3 and will be reflected in a subsequent report.
2. The term "Approved" is defined as land right conveyances with Director of Real Property for signature, PG&E for signature, or recorded.

CONSTRUCTION PACKAGE 2-3 (CP 2-3) OVERVIEW⁽¹⁾

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

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 ⁽³⁾ :	03/06/2024
Current Forecast Substantial Completion Date⁽⁴⁾:	12/31/2023

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:	\$838,604,230.42
Current Contract Amount:	\$2,203,940,120.42
Approved Invoices to Date:	\$1,471,513,746.64
Remaining Contract Balance:	\$732,426,373.78

Contract Time Status

Description	Duration
Original Contract Days:	1,486
Extension of Time Awarded:	1,595
Current Forecast Contract Days:	3,081
Calendar Days Worked (thru 12/31/2021):	2,351

Expended to Date Percentage

Description	Percentage
Time:	76.3%
Dollars:	66.8%

Growth Percentage

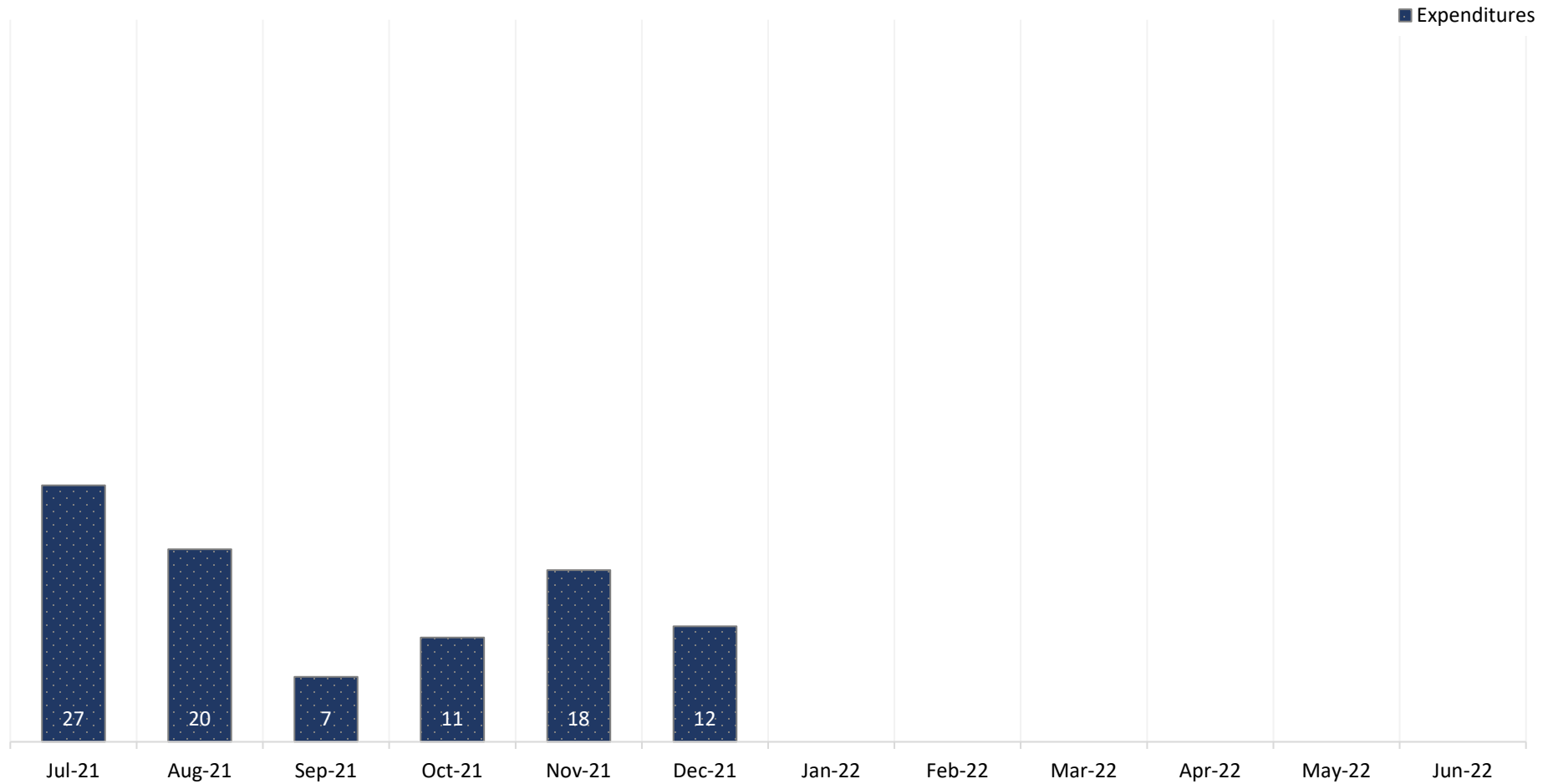
Description	Percentage
Time:	107.3%
Dollars:	61.4%

Notes:

- Information in this section is coming from data provided by the PCM – Monthly Status Report.
- Updated to align with Current Substantial Completion Date based on Expenditure Authorization (pending executed change order).
- Expenditure Authorization Current Forecast Substantial Completion Date (pending executed change order) – December 31, 2023.
- Subject to finalization of Revised Baseline Schedules (RBS) Revision 3 and execution of contract changes of any time extensions.
- 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 Forecast Substantial 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.

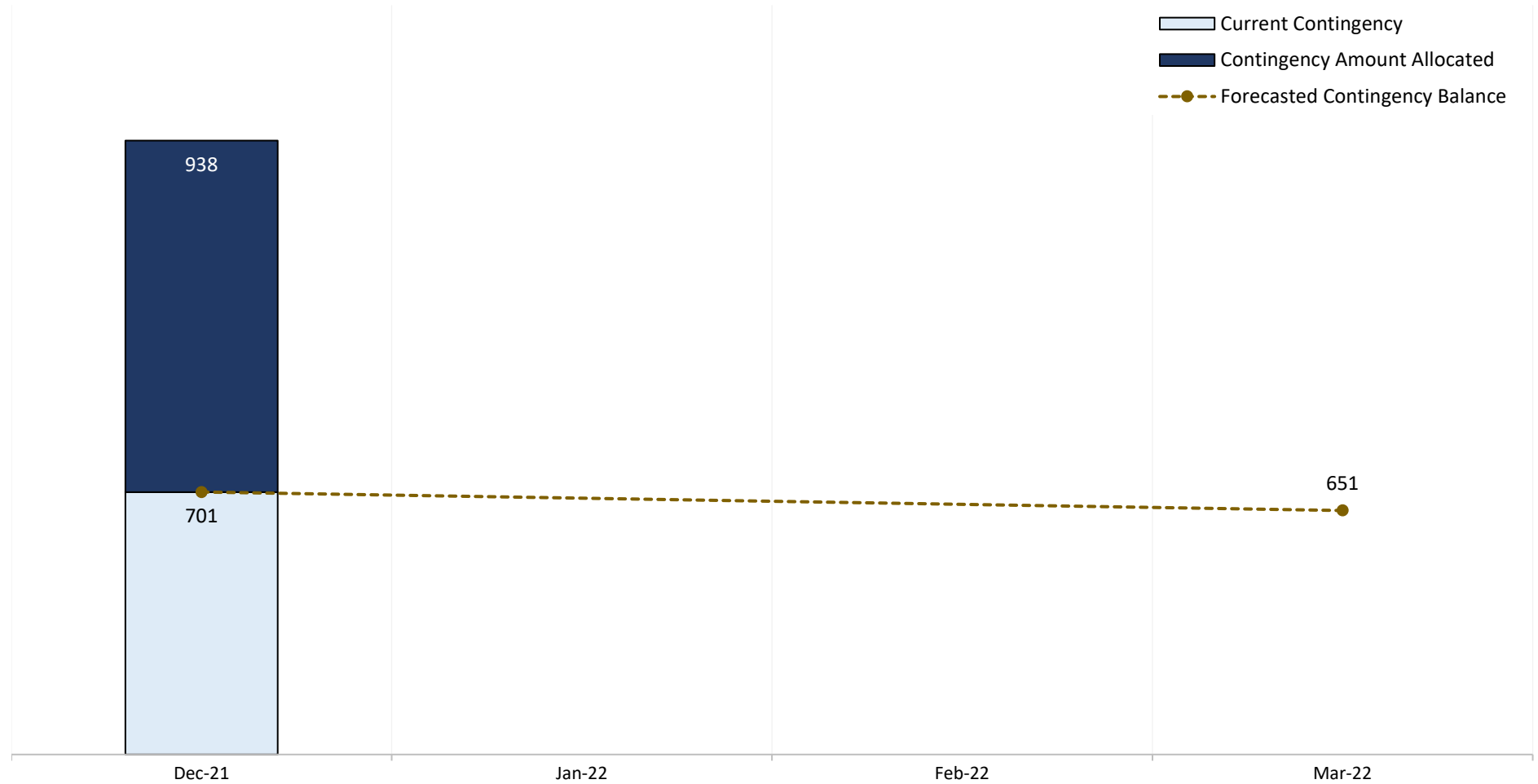
CP 2-3 – Change Orders

CP 2-3 – Change Order Status

CO Number	Title	Change Status	Amount	Executed Date
00278	Salvador Ditch North Phasing	Executed	\$270,838	15-Dec-21
00148.1	Hanford Viaduct Superstructure - Civil	Executed	\$50,000,000	8-Dec-21
00080.2	Install Hot Tap on Water Line – Corcoran	Executed	\$106,054	6-Dec-21
TOTAL			\$50,376,892	

CP 2-3 – Risk Contingency

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

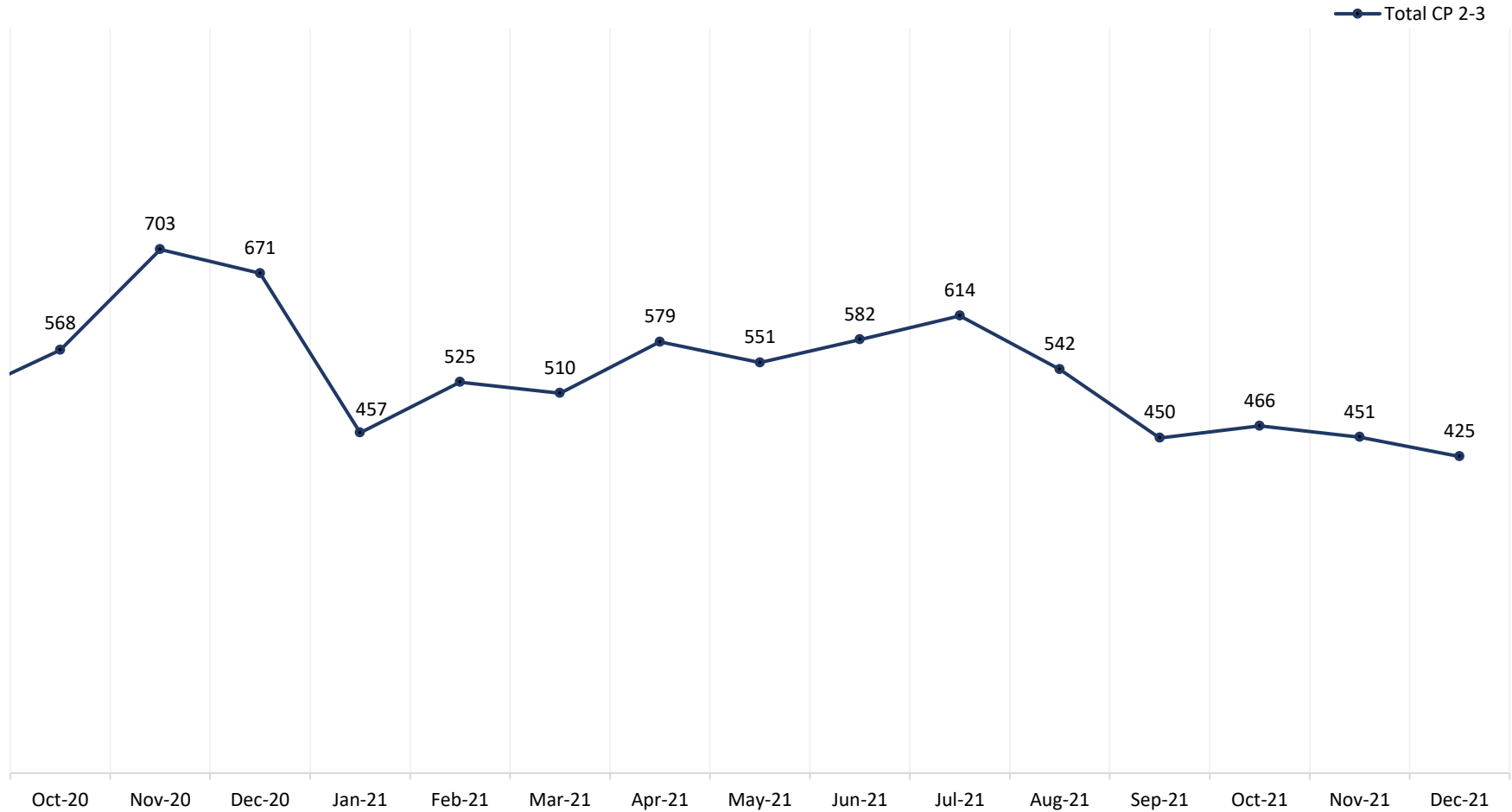


Notes:

1. Program baseline is \$1,638M.
2. Contingency balance updated to reflect the Board’s adoption of Resolution #HSR21-11 (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 on the estimated change orders expected to be executed within the three-month window.

CP 2-3 – Monthly Construction Labor

CP 2-3 – Monthly Construction Workforce Total – Actual

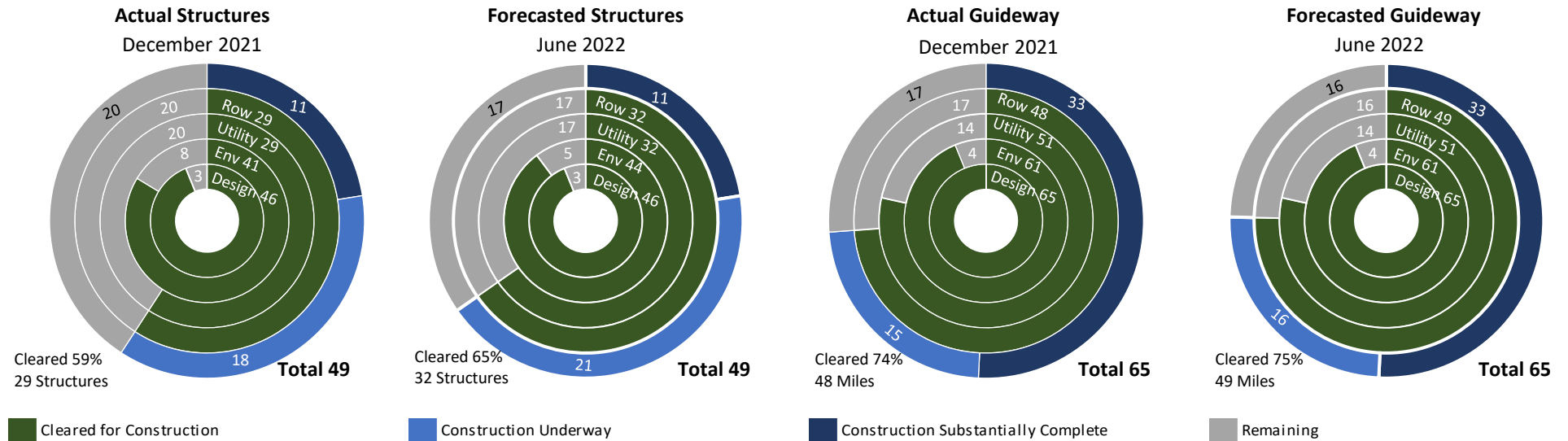


Notes:

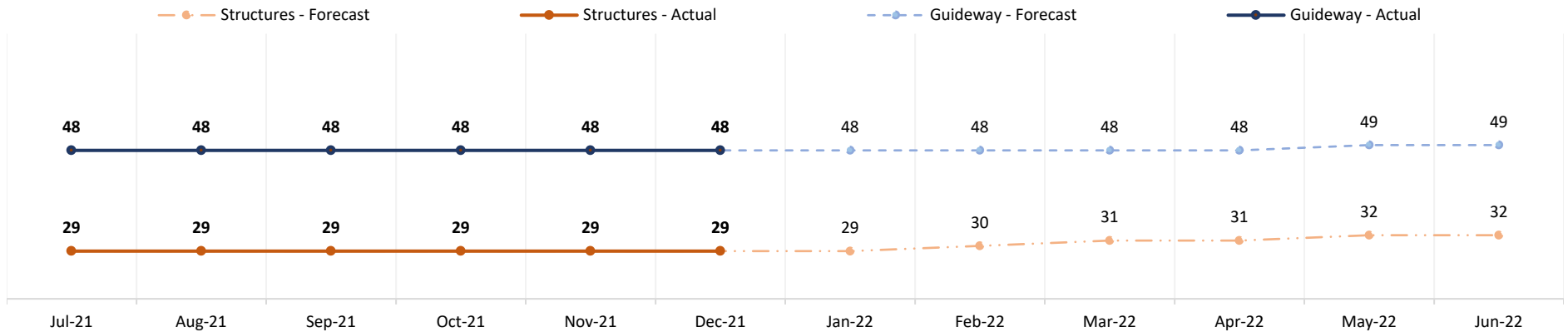
1. The construction labor numbers (full-time employees) are based on the weekly totals divided by the number of weeks within the working calendar month and represents the Average Daily Site Workers (by week).
2. A decrease of 26 workers from the previous month (451) attributable to the seasonal fluctuations caused by the holidays and wet weather.

CP 2-3 – Construction Progress

CP 2-3 – Construction Progress



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



Notes:

1. The circle charts above incorporate Revised Baseline Schedules (RBS) Revision 3 data pending approval.
2. The line chart above incorporates provisional forecast numbers pending submission and approval of RBS Revision 3.
3. Total Structures: 49 each:
 - a. 29 structures underway/substantially complete.
4. Total Guideway: 65 miles:
 - a. 48 miles underway/substantially complete.

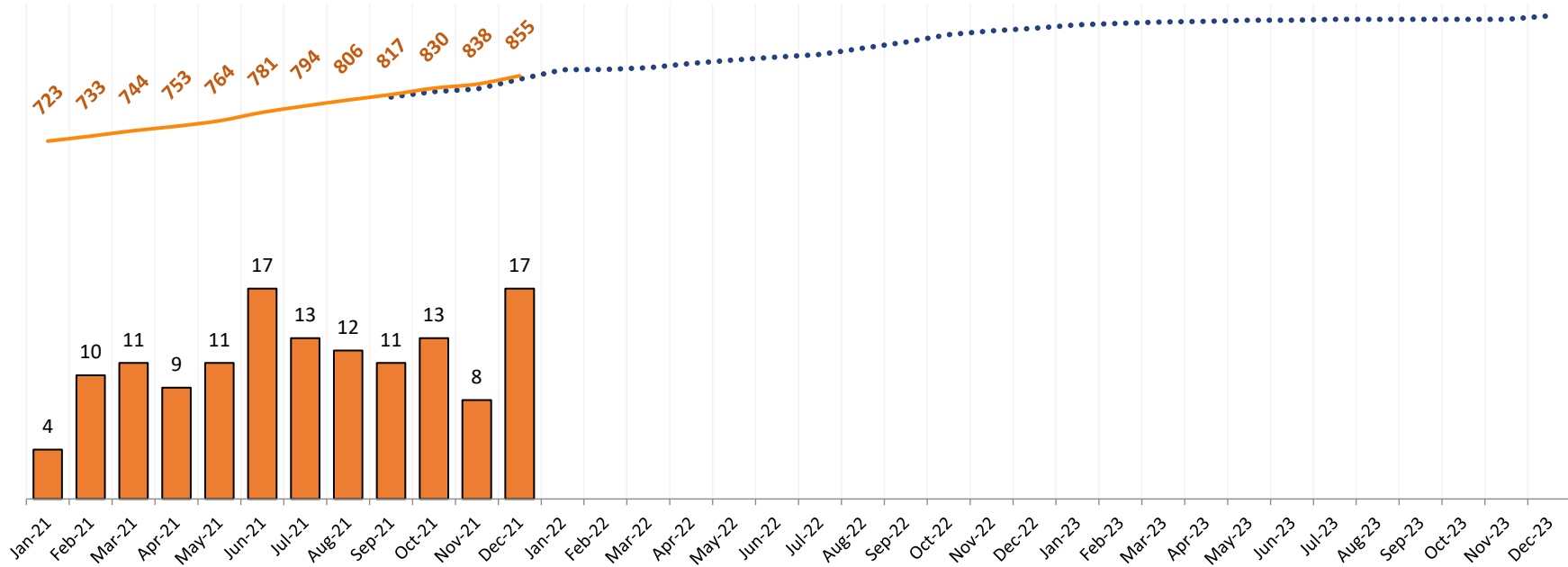
CP 2-3 – Real Property/Right-of-Way (ROW)

CP 2-3 – Right-of-Way (ROW) Summary

Construction Package	Total Needed Parcels December 31, 2021	Total Parcels Delivered to Date December 31, 2021	Remaining Parcels to be Delivered December 31, 2021
CP 2-3	977	855	122

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

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



Notes:

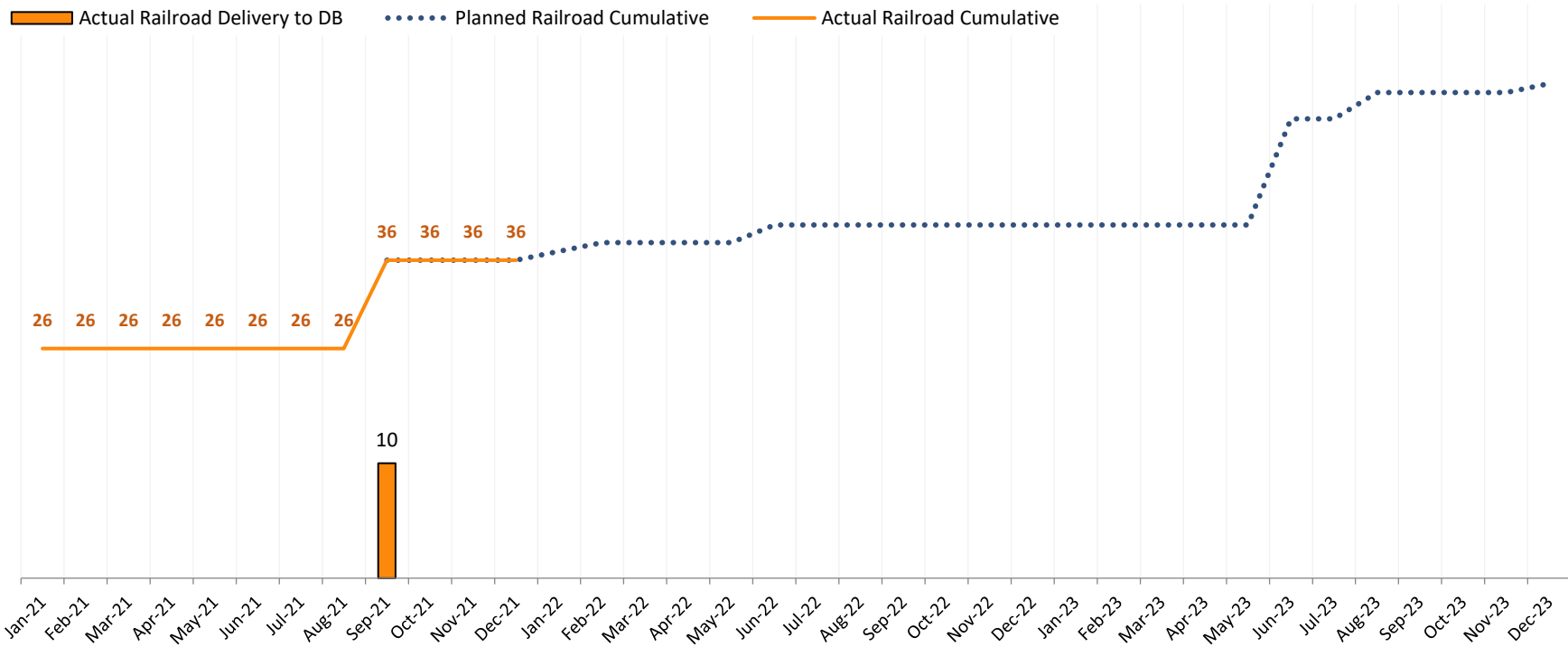
1. This reflects the actual parcels delivered to the Design-Builder by month and projection based on the Revised Baseline Schedule (RBS) Revision 3.
2. Three CP 2-3 parcel added and two removed from Total Needed Parcels.

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 December 31, 2021	Total Railroad Parcels Delivered to Date December 31, 2021	Remaining Railroad Parcels to be Delivered December 31, 2021
CP 2-3	56	36	20

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



Note:

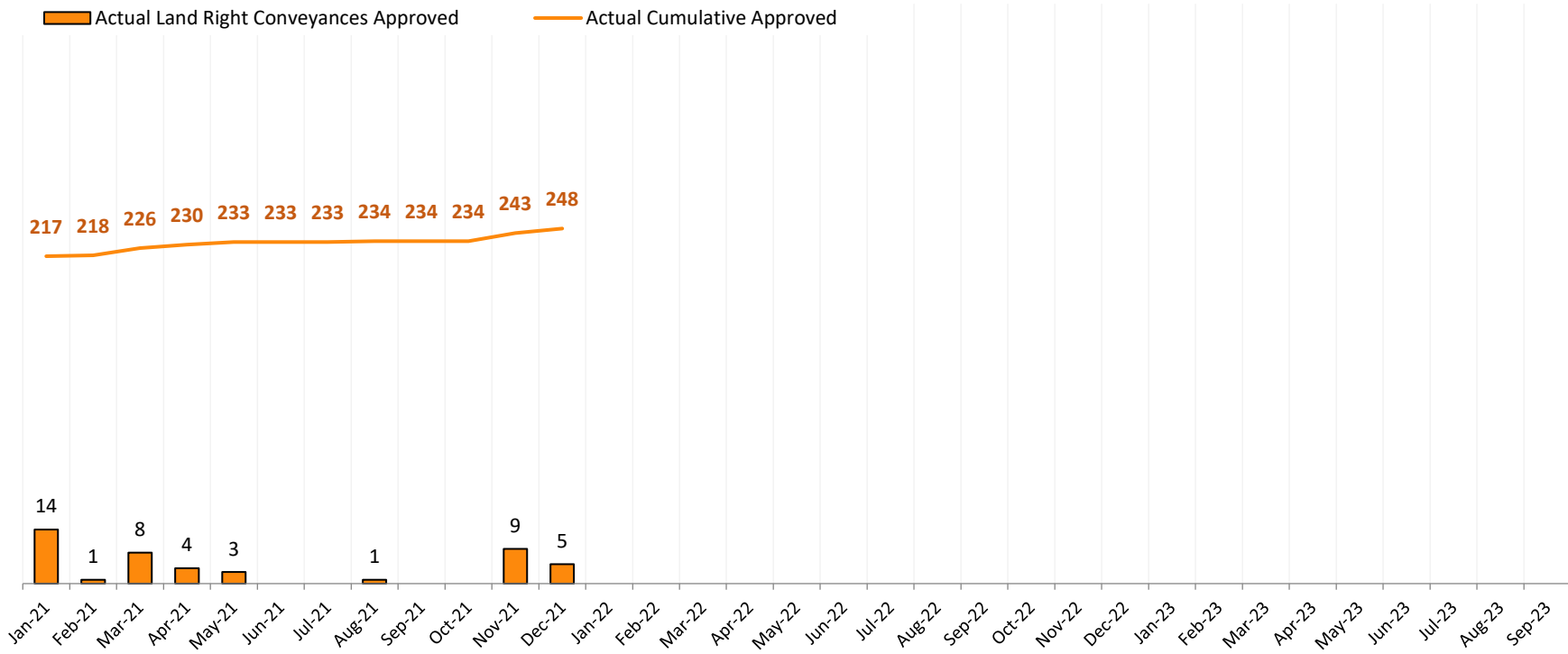
1. The Planned Cumulative line for Railroad Parcel Delivery reflects Revised Baseline Schedule (RBS) Revision 3.

CP 2-3 – Tier 1 Land Right Conveyances Required Prior to Construction (PG&E, SCE, FID, FMFCD)

CP 2-3 – Tier 1 Land Right Conveyances Required Prior to Construction (PG&E, SCE, FID, FMFCD) Summary

Construction Package	Total Needed Land Right Conveyances December 31, 2021	Total Land Right Conveyances Approved ⁽³⁾ to Date December 31, 2021	Remaining Land Right Conveyances to be Approved December 31, 2021
CP 2-3	433	248	185

CP 2-3 – Tier 1 Land Right Conveyances Required Prior to Construction (PG&E, SCE, FID, FMFCD) Summary



Notes:

1. The Planned Cumulative line for Land Right Conveyances is being adjusted to reflect Revised Baseline Schedule (RBS) Revision 3 and will be reflected in a subsequent report.
2. The term "Approved" is defined as land right conveyances with Director of Real Property for signature, PG&E for signature, or recorded.

CONSTRUCTION PACKAGE 4 (CP 4) OVERVIEW⁽¹⁾

CP 4 – Design-Build Contract Summary⁽²⁾

Milestones

Milestone	Date
Request for Quote (RFQ) Date:	11/20/2014
Statement of Qualification (SOQ) Date:	01/30/2015
Request for Proposal (RFP) Date:	05/27/2015
Proposal:	11/25/2015
Bid Open Date:	01/05/2016
Award Date:	02/29/2016
Late Notice to Proceed (LNTP) Date:	03/01/2016
Notice to Proceed (NTP) Date:	04/15/2016
Original Completion Date:	06/03/2019
Current Forecast Contract Completion Date ⁽³⁾ :	05/03/2023
Current Forecast Substantial Completion Date⁽⁴⁾:	03/01/2023

Contract Value

Description	Amount
Fixed Bid Price:	\$337,247,000.00
Provisional Sums:	107,000,000.00
Original Contract Price:	\$444,247,000.00
Executed Change Orders:	\$212,251,237.92
Current Contract Amount:	\$656,498,237.92
Approved Invoices to Date:	\$518,283,168.88
Remaining Contract Balance:	\$138,215,069.04

Current Time Status

Description	Duration
Original Contract Days:	1,144
Extension of Time Awarded:	1,367
Current Forecast Contract Days:	2,511
Calendar Days Worked (thru 12/31/2021):	2,086

Expended to Date

Description	Percentage
Time:	83.1%
Dollars:	78.9%

Growth Percentage

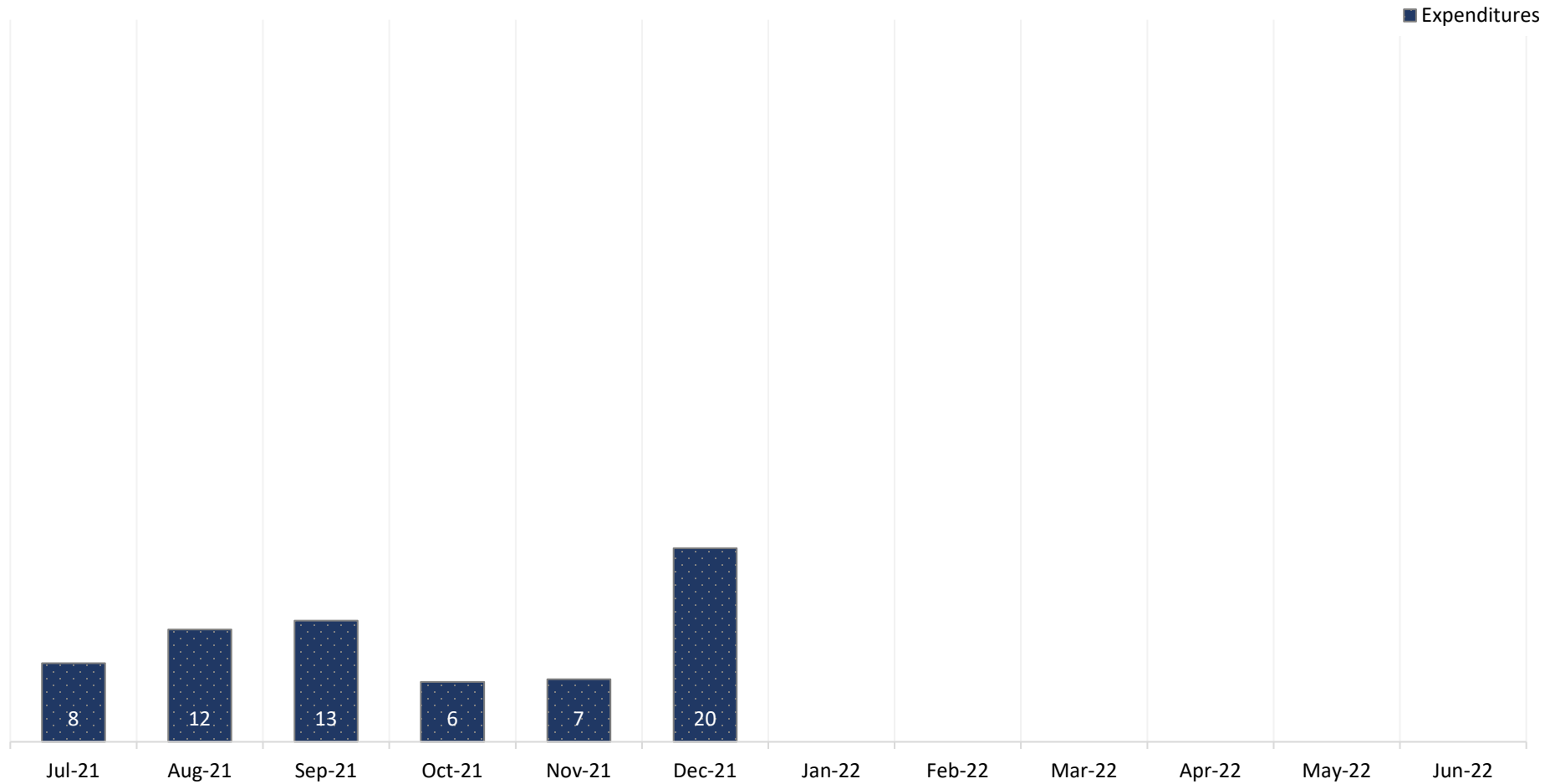
Description	Percentage
Time:	119.5%
Dollars:	47.8%

Notes:

- Information in this section is coming from data provided by the PCM – Monthly Status Report.
- Updated to align with Current Substantial Completion Date based on Expenditure Authorization (pending executed change order).
- Expenditure Authorization Current Forecast Substantial Completion Date (pending executed change order) – March 1, 2023.
- Subject to finalization of Revised Baseline Schedules (RBS) Revision 3 and execution of contract changes of any time extensions.
- 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 Forecast 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.

CP 4 – Change Orders

CP 4 – Change Order Status

CO Number	Title	Change Status	Amount	Executed Date
116	Additional insurance premium costs resulting from extending the cover period to February 17, 2022	Executed	\$1,558,313	3-Dec-21
91.3	Escalation Payment for the Period from July 01, 2021 through September 30, 2021	Executed	\$671,255	02-Dec-21
TOTAL			\$2,229,568	

CP 4 – Risk Contingency

CP 4 – Risk Contingency Status (\$ Millions)

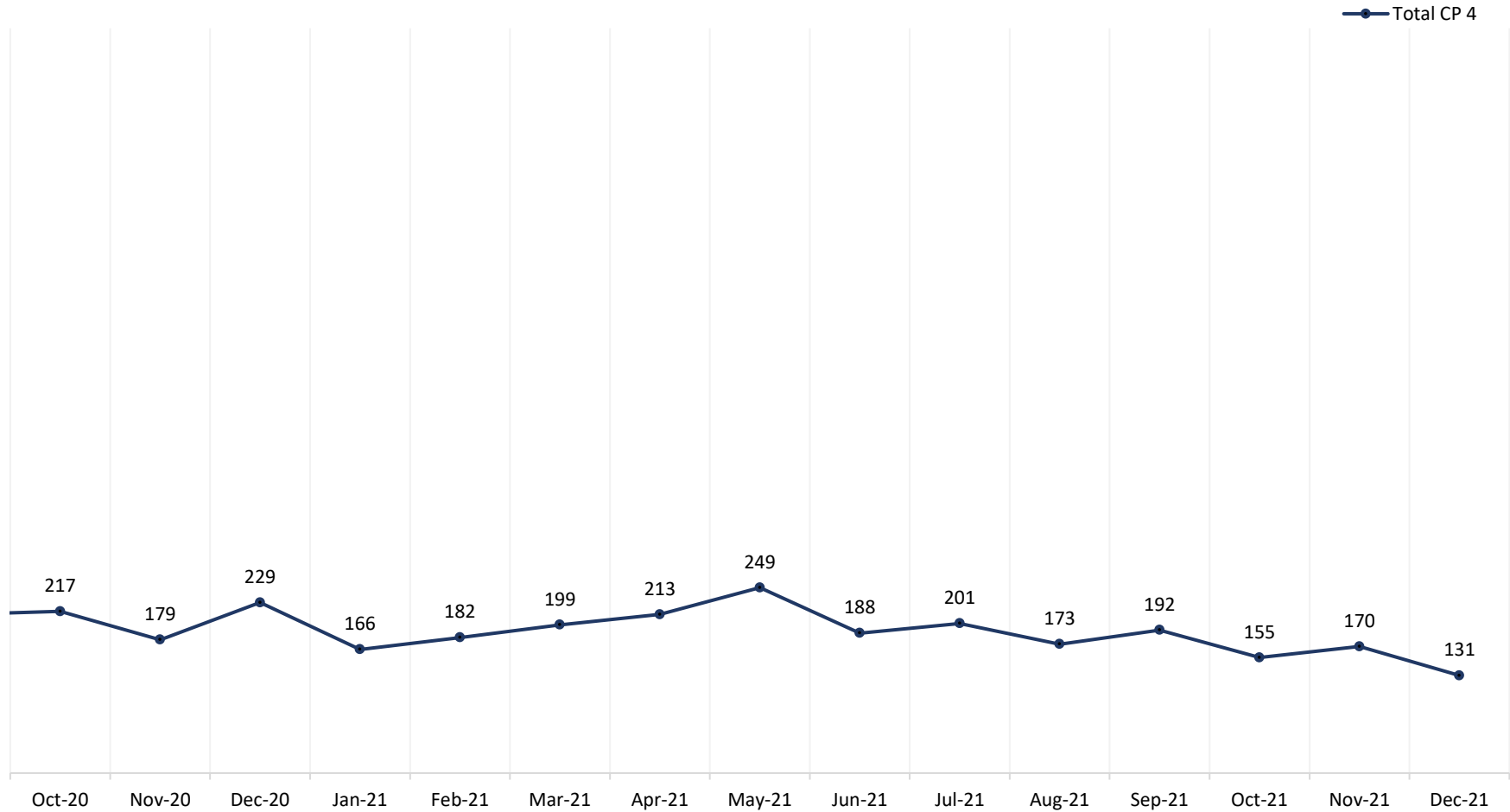


Notes:

1. Program baseline is \$418M
2. Contingency balance updated to reflect the Board’s adoption of Resolution #HSR21-11 (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 on the estimated change orders expected to be executed within the three-month window.

CP 4 – Monthly Construction Labor

CP 4 – Monthly Construction Workforce Total – Actual

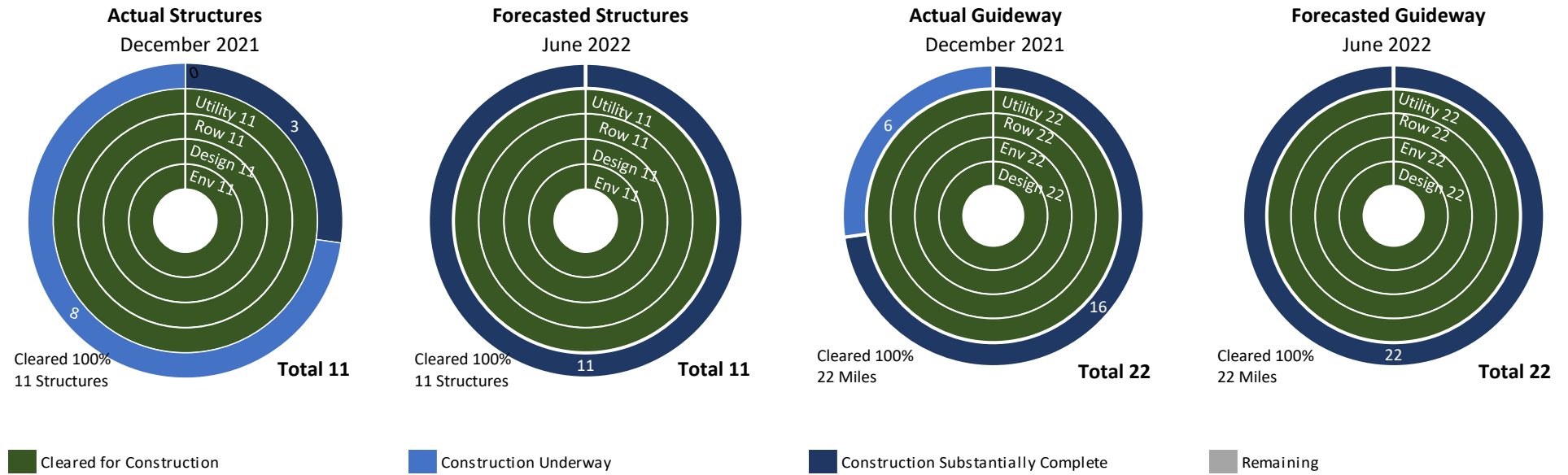


Notes:

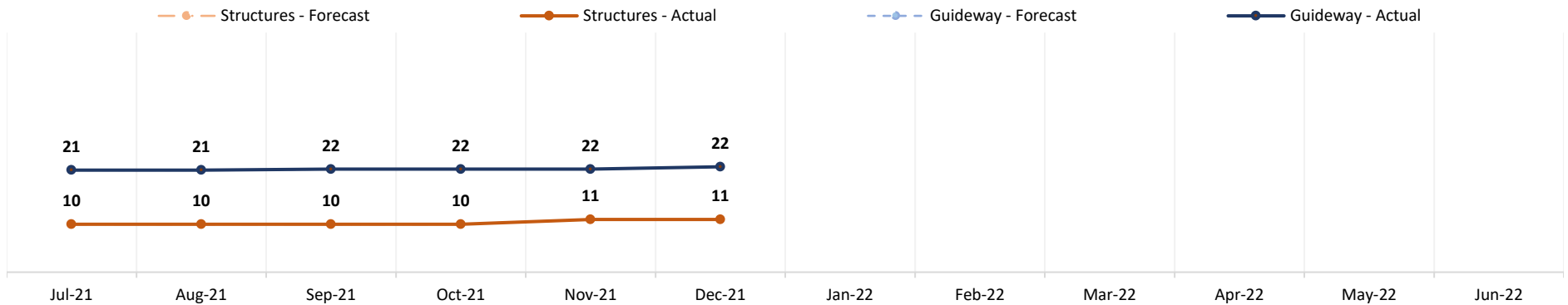
1. The construction labor numbers (full-time employees) are based on the weekly totals divided by the number of weeks within the working calendar month and represents the Average Daily Site Workers (by week).
2. A decrease of 39 workers from the previous month (170) attributable to the seasonal fluctuations caused by the holidays and wet weather.

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 2 data pending RBS Revision 3 updates.
- Total Structures: 11 structures:
 - 11 structures underway/substantially complete.
- 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/complete.

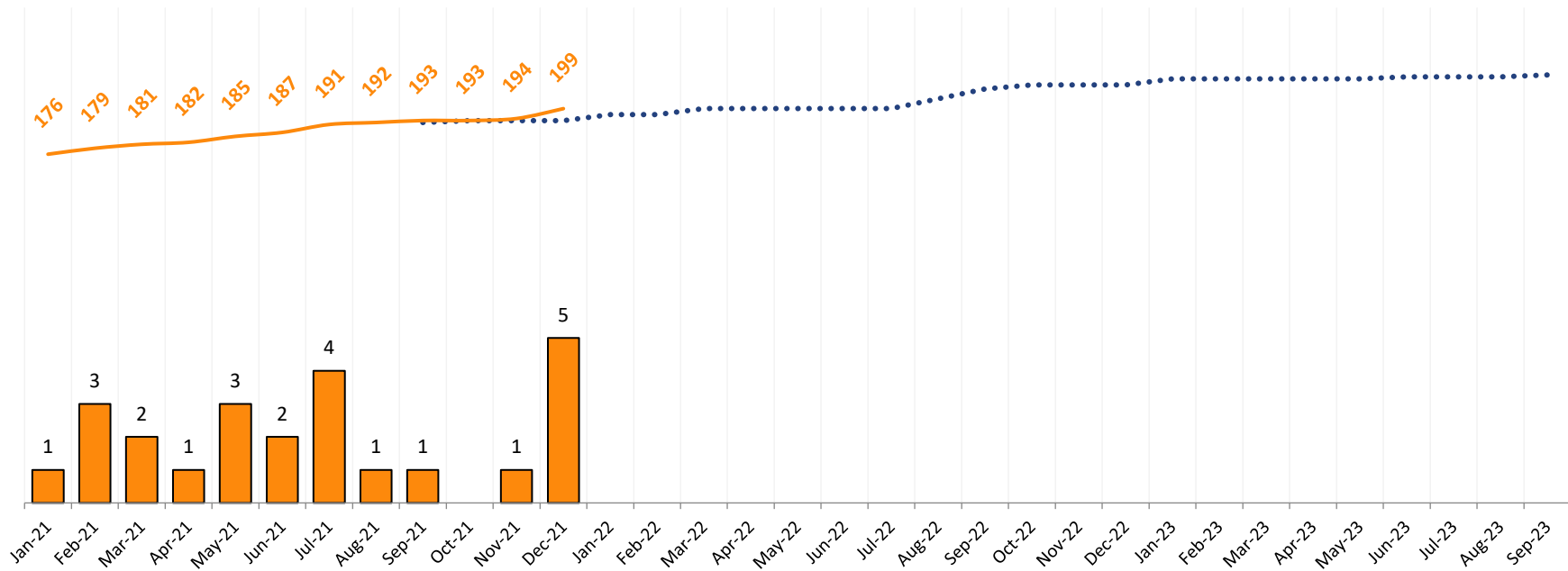
CP 4 – Real Property/Right-of-Way (ROW)

CP 4 – Right-of-Way (ROW) Summary

Construction Package	Total Needed Parcels December 31, 2021	Total Parcels Delivered to Date December 31, 2021	Remaining Parcels to be Delivered December 31, 2021
CP 4	238	199	39

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

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



Notes:

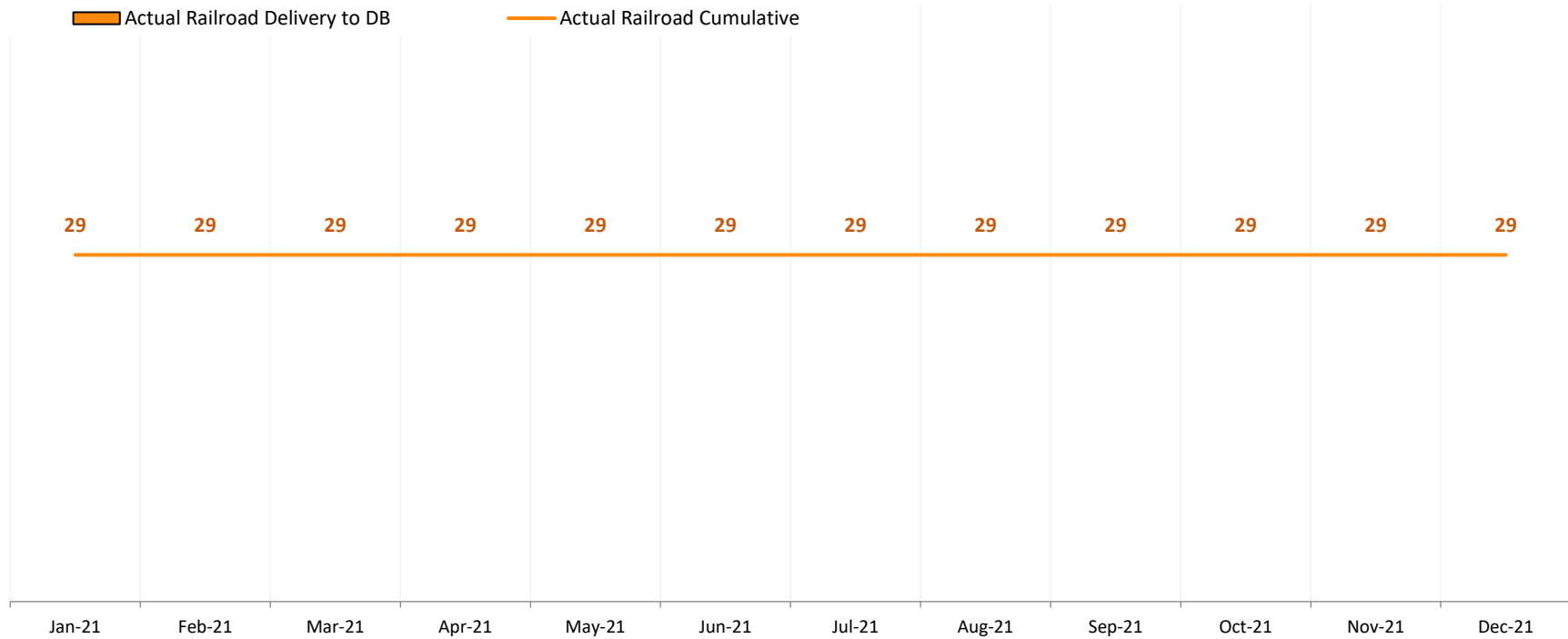
1. This reflects the actual parcels delivered to the Design-Builder by month compared to the Revised Baseline Schedule (RBS) Revision 3.

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

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

Construction Package	Total Needed Railroad Parcels December 31, 2021	Total Railroad Parcels Delivered to Date December 31, 2021	Remaining Railroad Parcels to be Delivered December 31, 2021
CP 4	29	29	0

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

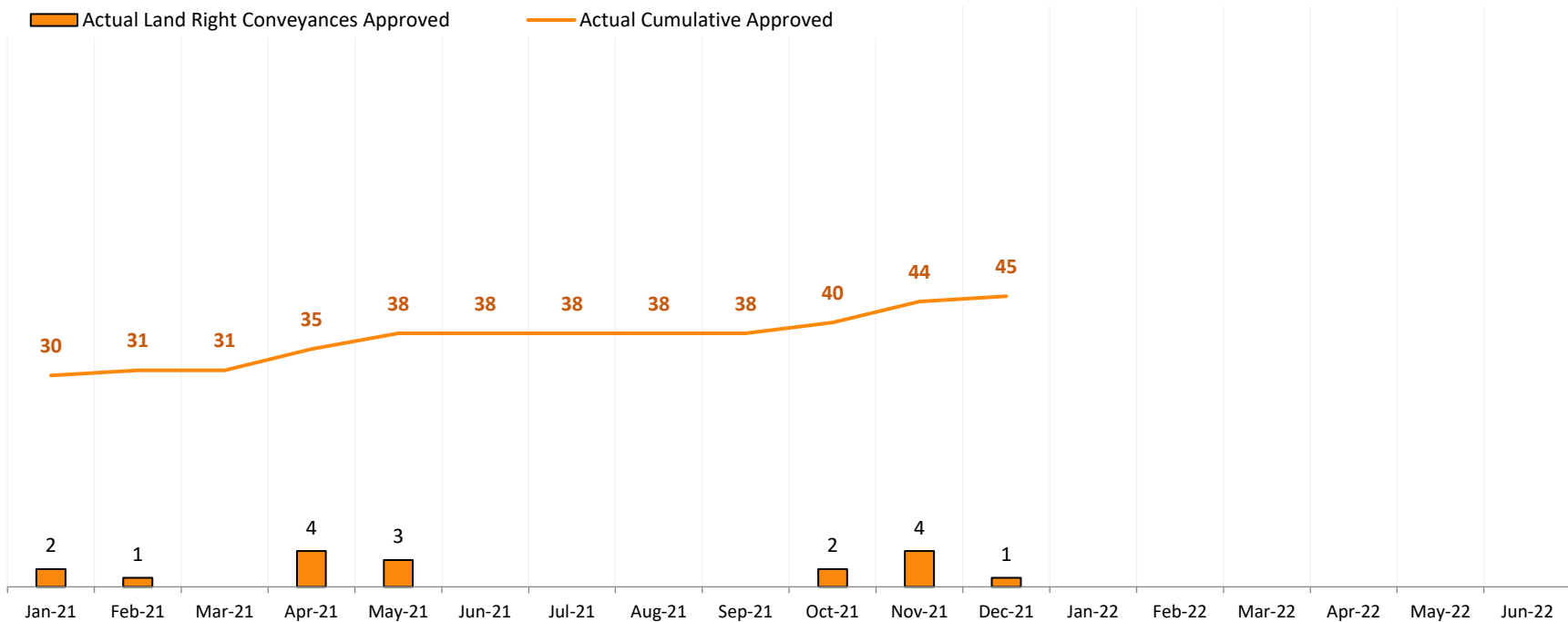


CP 4 – Tier 1 Land Right Conveyances Required Prior to Construction (PG&E, SCE, FID, FMFCD)

CP 4 – Tier 1 Land Right Conveyances Required Prior to Construction (PG&E, SCE, FID, FMFCD) Summary

Construction Package	Total Needed Land Right Conveyances December 31, 2021	Total Land Right Conveyances Approved ⁽²⁾ to Date December 31, 2021	Remaining Land Right Conveyances to be Approved December 31, 2021
CP 4	88	45	43

CP 4 – Tier 1 Land Right Conveyances Required Prior to Construction (PG&E, SCE, FID, FMFCD) Summary



Notes:

1. The Planned Cumulative line for Land Right Conveyances is being adjusted to reflect Revised Baseline Schedule (RBS) Revision 3 and will be reflected in a subsequent report.
2. The term "Approved" is defined as land right conveyances with Director of Real Property for signature, PG&E for signature, or recorded.

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

Project Development Schedule (to ROD)

Program Priority	Segment	Progress	Complete Purpose and Need Statement		Complete Alternatives Analysis		Board Concurrence of Preliminary Preferred Alt. Draft EIR/EIS		Publish Draft EIR/EIS		Publish Final EIS and Obtain ROD		Date EIR/EIS To Be Completed		
			Number	Section	Due Dates	Last Month	Current	Last Month	Current	Last Month	Current	Last Month	Current	Last Month	Current
Document Complete	Merced to Fresno	Plan Forecast % Complete	Complete Complete 100%	Complete Complete 100%	Complete Complete 100%	Complete Complete 100%	Complete Complete 100%	Complete Complete 100%	Complete Complete 100%	Complete Complete 100%	Complete Complete 100%	Complete Complete 100%	Complete Complete 100%	Complete Complete 100%	
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%	
1	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%	Jun-22 Jun-22 76%	Jun-22 Jun-22 79%	Jun-22	Jun-22	
2	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%	Mar-22 Mar-22 84%	Mar-22 Mar-22 86%	Mar-22	Mar-22	
3	Los Angeles to Anaheim	Plan Forecast % Complete	Complete Complete 100%	Complete Complete 100%	Complete Complete 100%	Complete Complete 100%	Complete Complete 100%	Complete Complete 100%	Complete Complete 100%	May-22 Sep-22 96%	May-22 Sep-22 70% ¹	Jun-23 Oct-23 0%	Jun-23 Oct-23 ¹ 0%	Oct-23	Oct-23
4	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%	Dec-21 Jan-22 92%	Dec-21 Jan-22 ² 95%	Jan-22	Jan-22	
5	Palmdale to Burbank	Plan Forecast % Complete	Complete Complete 100%	Complete Complete 100%	Complete Complete 100%	Complete Complete 100%	Complete Complete 100%	Complete Complete 100%	Sep-21 Feb-22 94%	Mar-22 Feb-22 96%	Dec-22 Mar-23 0%	Apr-23 Mar-23 ³ 0%	Mar-23	Apr-23	
6	HMF	Plan Forecast % Complete	Complete Complete 100%	Complete Complete 100%	Complete Complete 100%	Complete Complete 100%	Apr-16 TBD 0%	Apr-16 TBD 0%	Sep-16 TBD 0%	Sep-16 TBD 0%	Feb-21 TBD 0%	Feb-21 TBD 0%	TBD	TBD	

Notes:

1. Three-month delay was incorporated in September 2021 due to late submittal of BNSF air quality deliverables for Colton and Lenwood. BNSF now plans to submit these deliverables in February 2022 instead of December 2021; the schedule impacts of this delay are being evaluated. The % Complete for the LA-A Draft EIR/EIS was reassessed due to ongoing baseline schedule impacts.
2. One-month delay was incorporated in November 2021 as the Board meeting for consideration of the Final EIR/EIS has shifted from December 2021 to January 2022.
3. At the December 2021 PDC meeting, the P-B Baseline was updated, and the baseline schedule was updated in all reporting documents.

Project Development – Key Actions

Project Development – Key Actions Summary

Project Section	Key Actions
San Francisco to San Jose	Administrative Final EIR/EIS 30-day Cooperating Agency Review closed December 23, 2021. Revised Draft Environmental Impact Report/Supplemental Draft Environmental Impact Statement (RDEIR/SDEIS) and other items were incorporated into the Final EIR/EIS. Draft General Conformity Determination (GCD) was submitted for FRA review in December 2021.
San Jose to Merced	Final EIR/EIS, except wildlife movement mitigation, was completed in preparation for February 2022 publication. Individual Section 4(f) Evaluation prepared for January 2022 submittal to Santa Clara County for 45-day review. Public comment period for Draft GCD closed December 30, 2021 and two supportive comments were received.
Central Valley Wye	Permitting for the Central Valley Wye will progress following Board action on the Merced and Bakersfield extensions. Monthly meetings with City of Chowchilla and County of Madera to review progress of mitigation projects postponed to January 2022.
Locally Generated Alternative	Permitting for the Locally Generated Alternative will progress following Board action on the Merced and Bakersfield extensions.
Bakersfield to Palmdale	Received the Administrative Record (the last major deliverable through NOD/ROD). Completed the contract closeout/submitted Notices of Acceptances for Task Order #3 deliverables (e.g., through NOD/ROD). Worked with the contract manager on the scope of work and recommended value for Task Order #4, to provide support for meeting with key stakeholders, post NOD/ROD.
Palmdale to Burbank	Continued working through completing Step 6; the Page Turn review and workshops were completed and the RC prepared response to comments. The document freeze date is now targeted for late-January 2022. At the December 2021 PDC meeting, the PDC concurred with staff’s recommendation/Business Case to move the Draft EIR/EIS Publication Date to Q1 2022 and NOD/ROD to Q2 2023; the baseline schedule will be adjusted in all reporting documents.
Burbank to Los Angeles	The Authority released the Final EIR/EIS and started the public availability period on November 5, 2021. Outreach meetings with elected officials, agencies/cities, and stakeholder groups for the Final EIR/EIS are ongoing. The Final EIR/EIS is scheduled for consideration by the Board of Directors on January 19-20, 2022.
Los Angeles to Anaheim	Continued integrating additional revised environmental deliverables from BNSF pertaining to the Colton and Lenwood project components into the assembled Administrative Draft EIR/EIS. Continued draft PEPD reviews with external stakeholders.