



Finance & Audit Committee

CENTRAL VALLEY STATUS REPORT

March 2022 Report (data through January 2022)

Executive Summary

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

- January 2022 Expenditures totaled \$107.9M:
 - Construction Package 1 – Expenditures totaled \$84.6M.
 - Construction Package 2-3 – Expenditures totaled \$15.3M.
 - Construction Package 4 – Expenditures totaled \$8M.
- Total CP Cumulative Actual Expenditures (Pages 15, 24, and 33) – \$3,739.1M.
- Total Cumulative Current Contract Amount (Pages 15, 24, and 33) – \$5,497.3M.

Change Orders

- Executed Change Orders this period – 28 for a total of \$207.9M:
 - Construction Package 1 – 12 for a total of \$180.6M (Page 17).
 - Construction Package 2-3 – 10 for a total of \$12.4M (Page 26).
 - Construction Package 4 – Six for a total of \$14.9M (Page 35).

Risk Contingency ([Page 6](#))

- Original Contract Contingency – \$4,000.7M with Contract Contingency as of January 31, 2022 – \$1,535.4M:
 - Construction Package 1 (Page 18) – \$1,944.5M with Contract Contingency as of January 31, 2022 – \$707.8M.
 - Construction Package 2-3 (Page 27) – \$1,638.4M with Contract Contingency as of January 31, 2022 – \$688.2M.
 - Construction Package 4 (Page 36) – \$417.8M with Contract Contingency as of January 31, 2022 – \$139.4M.

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 – 108 of 109 total design packages cleared for construction. Expect completion Second Quarter of 2022 (Geotech data collection is underway for Dutch John). Cole Slough design package is complete.
 - Construction Package 4 – 14 of 14 total design packages cleared for construction.

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

- Construction Package 1-4 – 584 of 715 or 82% completed. An increase of one from the previous month (from 583):
 - Construction Package 1 – 245 of 300 or 82% completed and 55 in progress. No change 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 – 129 of 165 or 78% completed and 36 in progress. An increase of one from the previous period.

CP Construction Labor (Page 8)

- January 2022, Average Daily Site Workers (by Week) – 802 workers. An increase of 36 workers from the previous period (from 766):
 - Construction Package 1 (Page 19) – 231 workers. An increase of 21 workers from the previous month (210).
 - Construction Package 2-3 (Page 28) – 421 workers. A decrease of four workers from the previous month (425).
 - Construction Package 4 (Page 37) – 150 workers. An increase of 19 workers from the previous month (131).
- Daily Average Contracted CP Employees Quarantined for COVID-19 in January 2022 – 51. An increase of 45 from the daily average of 6 in December 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/Construction complete compared to 93 structures total. No change from the previous period:
 - Construction Package 1 – 26 structures underway/Construction complete.
 - Construction Package 2-3 – 29 structures underway/Construction complete.
 - Construction Package 4 – 11 structures underway/Construction complete.
- Guideway – 87 miles constructed/underway compared to 119 miles total. An increase of one from the previous period:
 - Construction Package 1 – 17 miles underway/Construction complete.
 - Construction Package 2-3 – 48 miles underway/Construction complete.
 - Construction Package 4 – 22 miles underway/Construction complete.
- Utility Relocations Status – Relocated: 768 (41%); In Progress: 416 (22%); Approved to Start: 103 (6%); Not Started: 564 (31%); Total: 1,851. Seven relocated in January 2022 reporting period. 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: 317 (32%); In Progress: 369 (37%); Approved to Start: 0 (0%); Not Started: 306 (31%); Total: 992.
 - Construction Package 2-3 – Relocated: 377 (54%); In Progress: 32 (5%); Approved to Start: 63 (9%); Not Started: 222 (32%); Total: 694.
 - Construction Package 4 – Relocated: 74 (45%); In Progress: 15 (9%); Approved to Start: 40 (24%); Not Started: 36 (22%); Total: 165.

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

- Total Parcels Delivered to Date – 2,049 parcels compared to an estimated 2,286 parcels needed.
- Parcels Delivered to Design-Builder (DB) – Eight parcels in January 2022.
- Construction Packages 1-4 – Two parcels added, and one parcel removed due to optimized design. Net increase of one parcel. 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.
- 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):

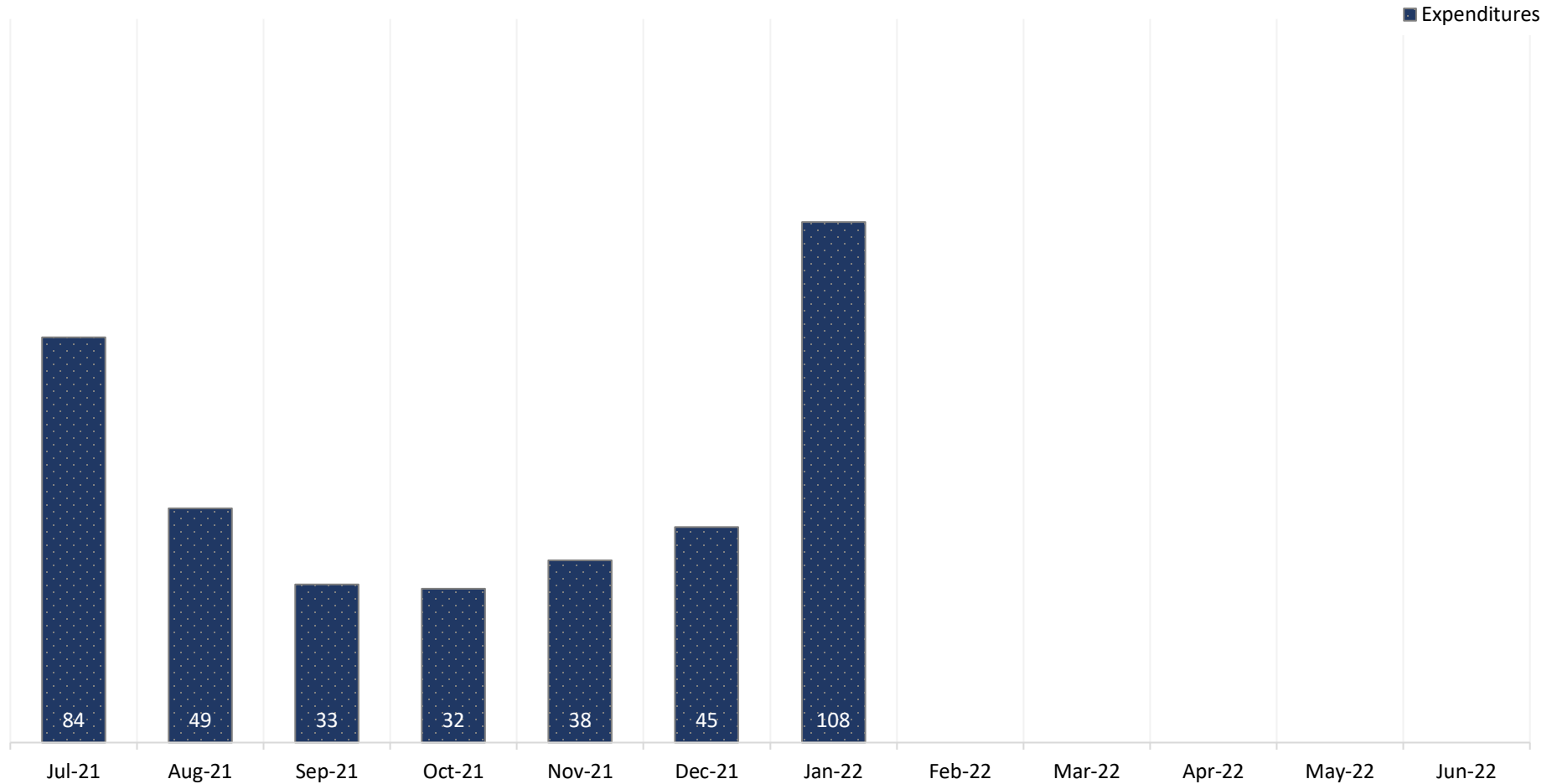
- Nine land right conveyances approved.
- To date, the Authority received approval on 635 land right conveyances.

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

- San Francisco to San Jose – Engineering and Environmental Consultant (EEC) has incorporated the Revised Draft Environmental Impact Report/Supplemental Draft Environmental Impact Statement (RDEIR/SDEIS) materials into the Final Environmental Impact Report/Environmental Impact Statement (EIR/EIS) and addressed agency comments. Authority completed first review January 28, 2022.
- San Jose to Merced – Final EIR/EIS content was frozen and Authority Chief Executive Officer (CEO) signed cover page on January 14, in preparation for February 25, 2022 publication.
- Bakersfield to Palmdale – Work through Notice of Determination/Record of Decision (NOD/ROD) has been completed and staff received/reviewed the last invoice for the contract reporting period thru NOD/ROD (e.g., Task Order #3), an invoice for resolved disputes, and recommended both invoices for payment. Continued meeting with key stakeholders (Center for Biological Diversity).
- Palmdale to Burbank – The team continued working to complete Step 6; held Page Turn follow-up workshops to conclude all outstanding comments and subsequently set the document freeze date on January 28, 2022. Additionally, staff continued to manage submittals and correspondence with United States Army Corps of Engineers (USACE) to address the Jurisdictional Determination and evaluate/respond to United States Fish and Wildlife Service (USFWS) requests for additional information to complete the draft Biological Assessment.
- Burbank to Los Angeles – The Board of Directors approved the Final EIR/EIS on January 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)

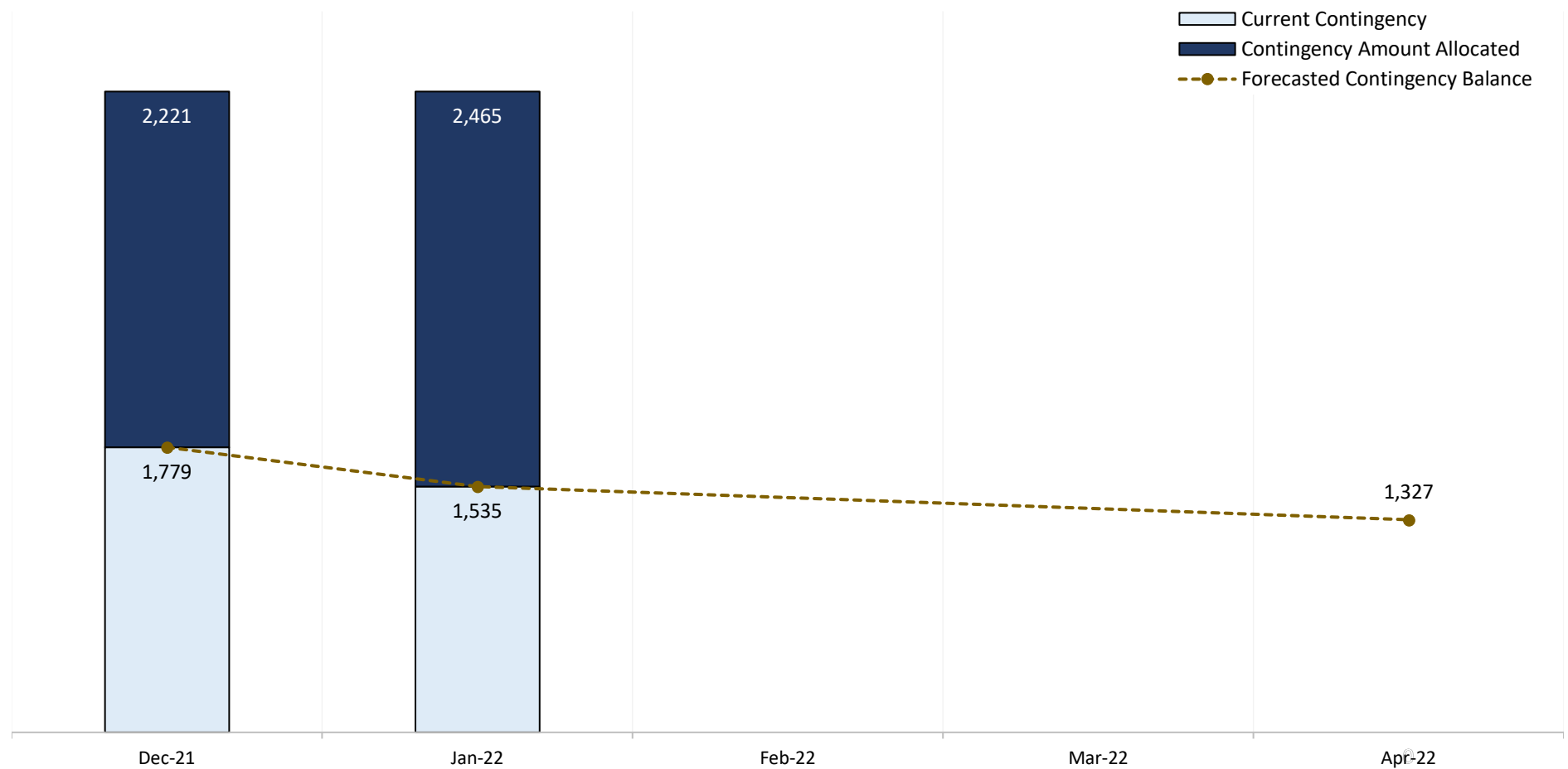


Notes:

1. Expenditures in the chart above are specific to the Design-Builder production and based on the Capital Outlay and Expenditure Report.
2. January 2022 Expenditures totaled \$107.9M:
 - a. Construction Package 1 – Expenditures totaled \$84.6M including \$41.2M for Time Impact Assessment (TIA) 3 change order executed in January 2022 and other related change orders.
 - b. Construction Package 2-3 – Expenditures totaled \$15.3M.
 - c. Construction Package 4 – Expenditures totaled \$8M.

CP 1-4 – Risk Contingency

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

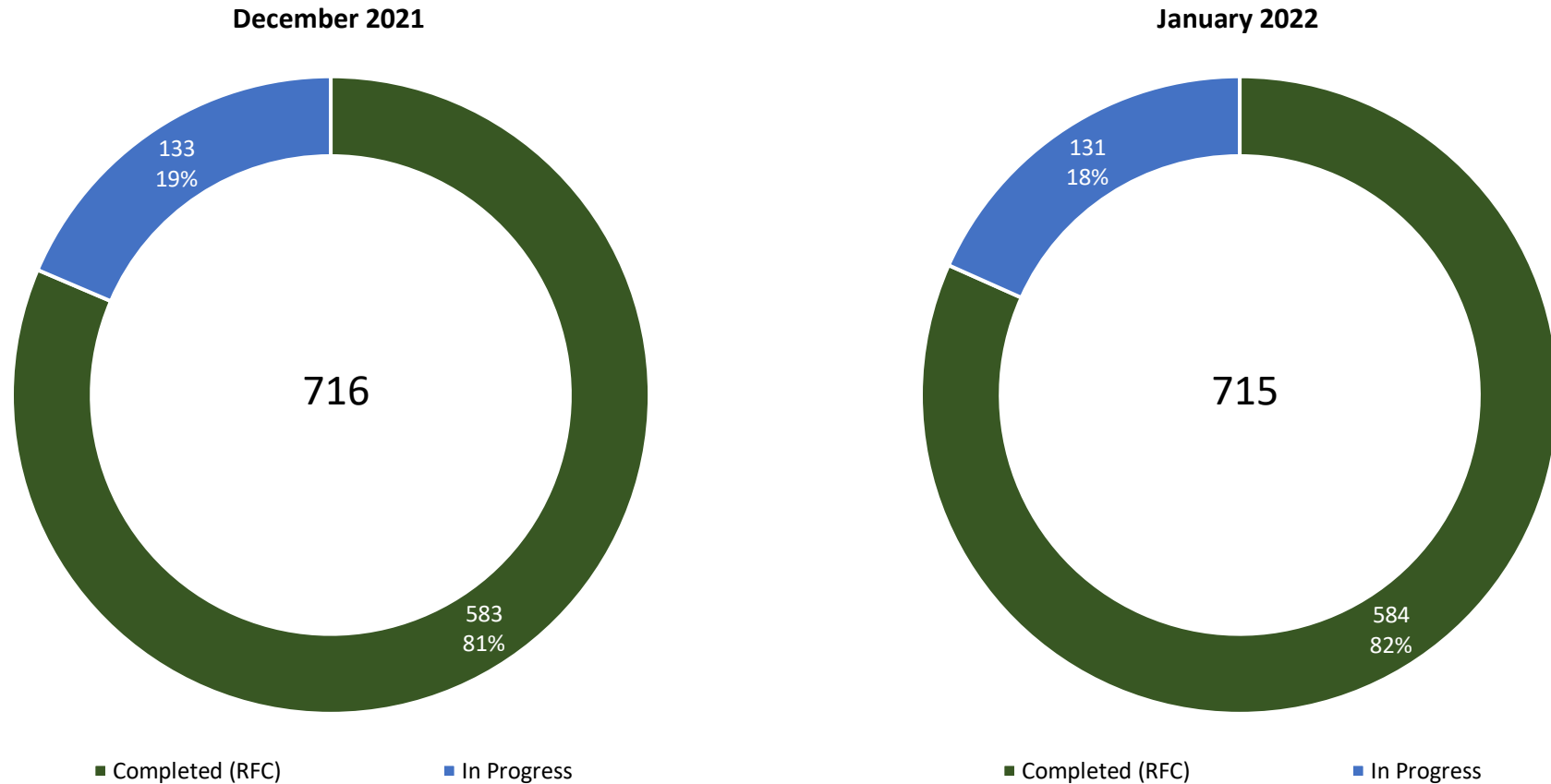


Notes:

1. Program baseline is \$4,001M.
3. Contingency balance updated to reflect the Board's adoption of Resolution #HSR21-11 (Expenditure Authorization Increase).
4. Contingency Amount Allocated reflects all executed change orders and Business Oversight Committee (BOC) approved items for all CPs.
5. 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

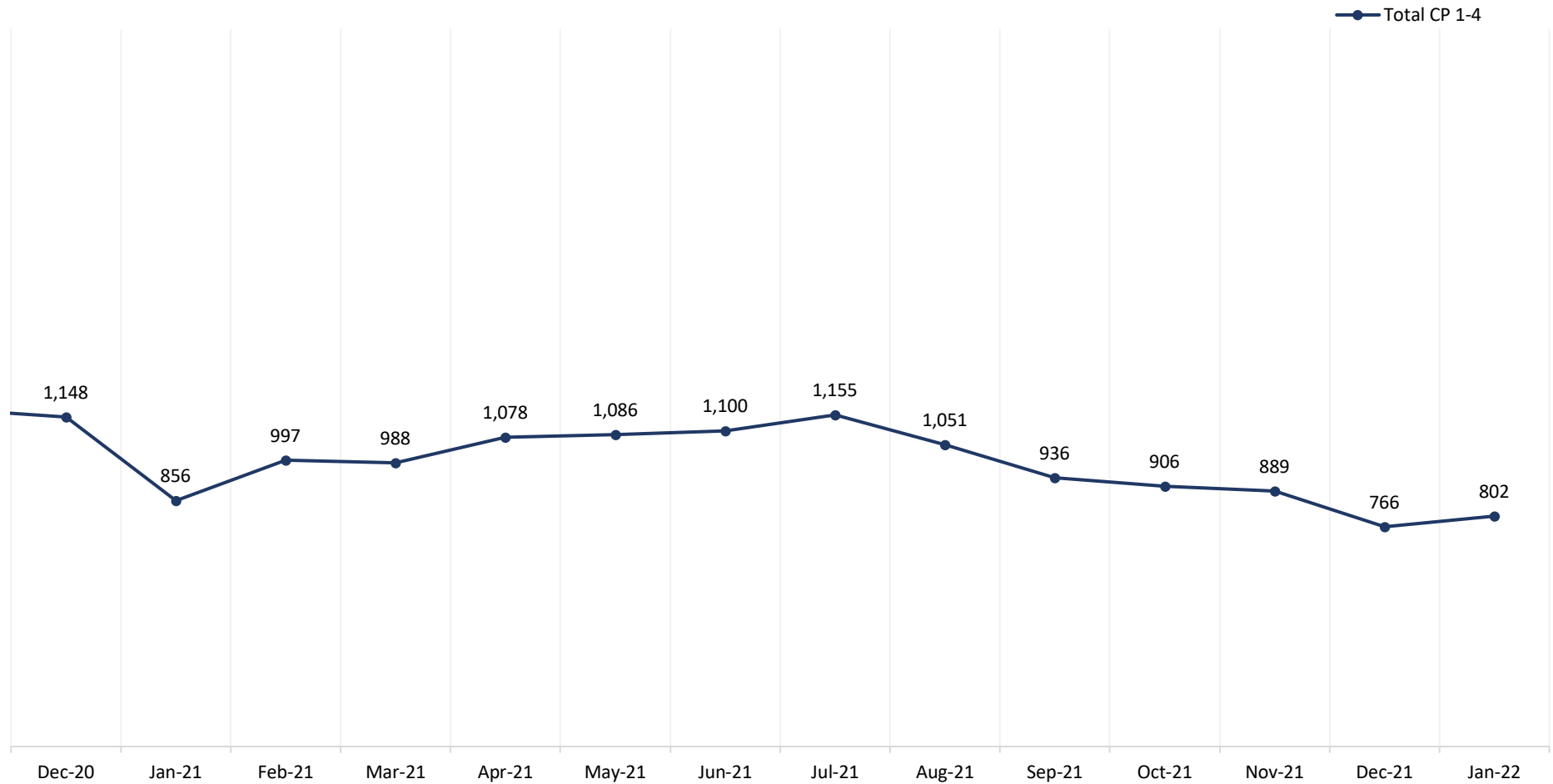
CP 1-4 – Third-Party Design Status



- 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 – 584 of 715 or 82% completed. An increase of one from the previous month (from 583):
 - a. Construction Package 1 – 245 of 300 or 82% completed and 55 in progress. No change 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 – 129 of 165 or 78% completed and 36 in progress. An increase one from the previous period.

CP 1-4 – Construction Labor

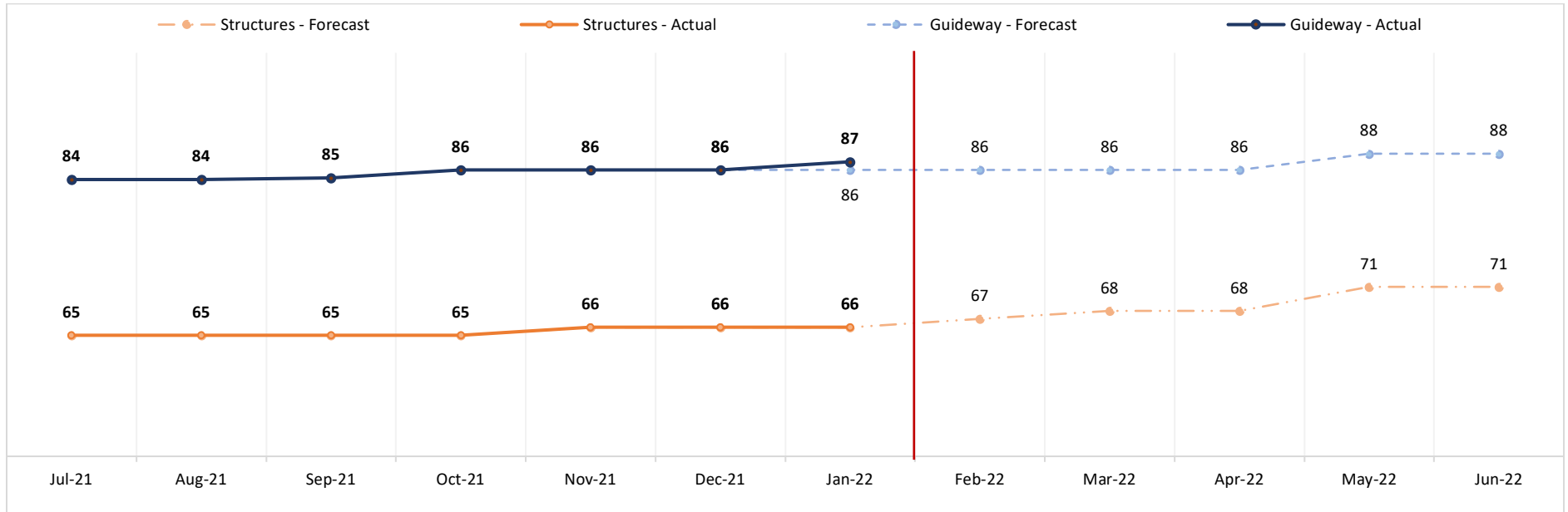
CP 1-4 – Monthly Construction Workforce Total – Actual (FTE)



- 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. January 2022, Average Daily Site Workers (by week) – 802 workers. An increase of 36 workers from the previous period (from 766):
 - a. Construction Package 1 (Page 19) – 231 workers. An increase of 21 workers from the previous month (210).
 - b. Construction Package 2-3 (Page 28) – 421 workers. A decrease of four workers from the previous month (425).
 - c. Construction Package 4 (Page 37) – 150 workers. An increase of 19 workers from the previous month (131).

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	15	2	15	33	6	16	36	51	87

Notes:

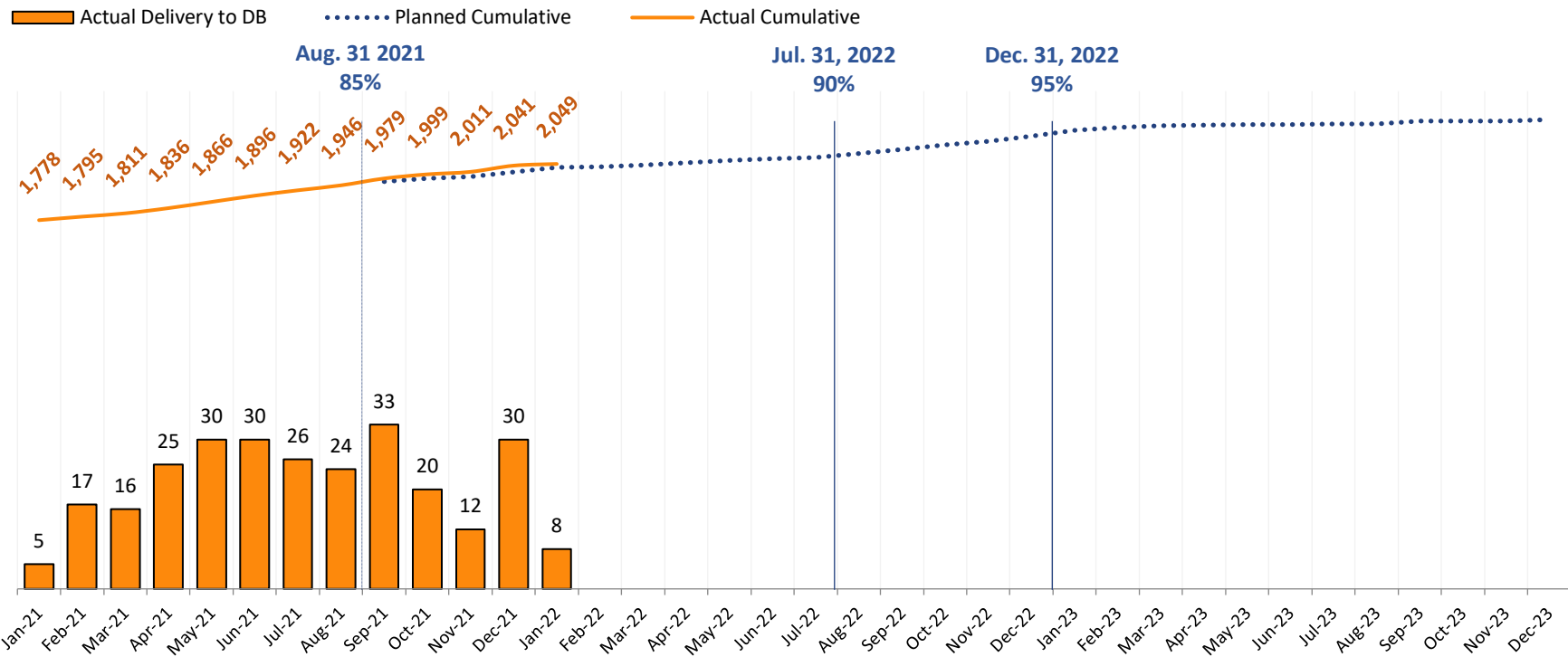
1. The chart above incorporates provisional forecast numbers pending submission and approval of Revised Baseline Schedules (RBS) Revision 3.
2. Total Structures: 93.
3. Total Guideway: approximately 119 miles.
4. Structures – 66 underway/Construction complete compared to 93 structures total. No change from the previous period:
 - a. CP 1 – 26 structures underway/Construction complete.
 - b. CP 2-3 – 29 structures underway/Construction complete.
 - c. CP 4 – 11 structures underway/Construction complete.
5. Guideway – 87 miles underway/Construction complete compared to 119 miles total. An increase of one from the previous period:
 - a. CP 1 – 17 miles underway/Construction complete.
 - b. CP 2-3 – 48 miles underway/Construction complete.
 - c. CP 4 – 22 miles underway/Construction complete.

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

CP 1-4 – Right-of-Way (ROW) Summary

Construction Package	Total Needed Parcels January 31, 2022	Total Parcels Delivered to Date January 31, 2022	Remaining Parcels to be Delivered January 31, 2022
CP 1	1,070	993	77
CP 2-3	978	856	122
CP 4	238	200	38
Total	2,286	2,049	237

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



Notes:

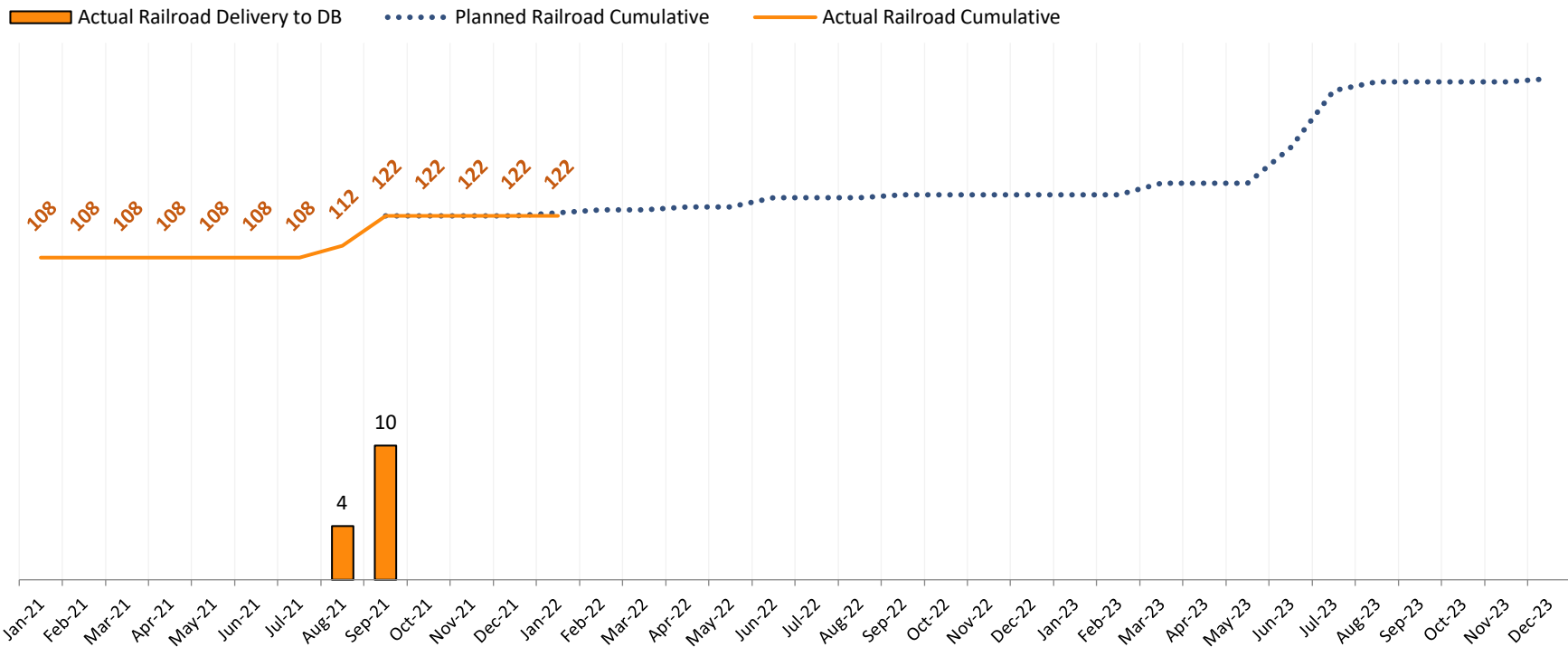
1. This reflects the actual parcels delivered to the Design-Builder by month compared to the planned delivery schedule which identifies 90% and 95% milestone completion for CP 1-4. The 90% and 95% milestone completion does not include any additional parcels that may be added.
2. Two parcels added to Total Needed Parcels, and one parcel removed due to optimized design. Net increase of 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 January 31, 2022	Total Railroad Parcels Delivered to Date January 31, 2022	Remaining Railroad Parcels to be Delivered January 31, 2022
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:

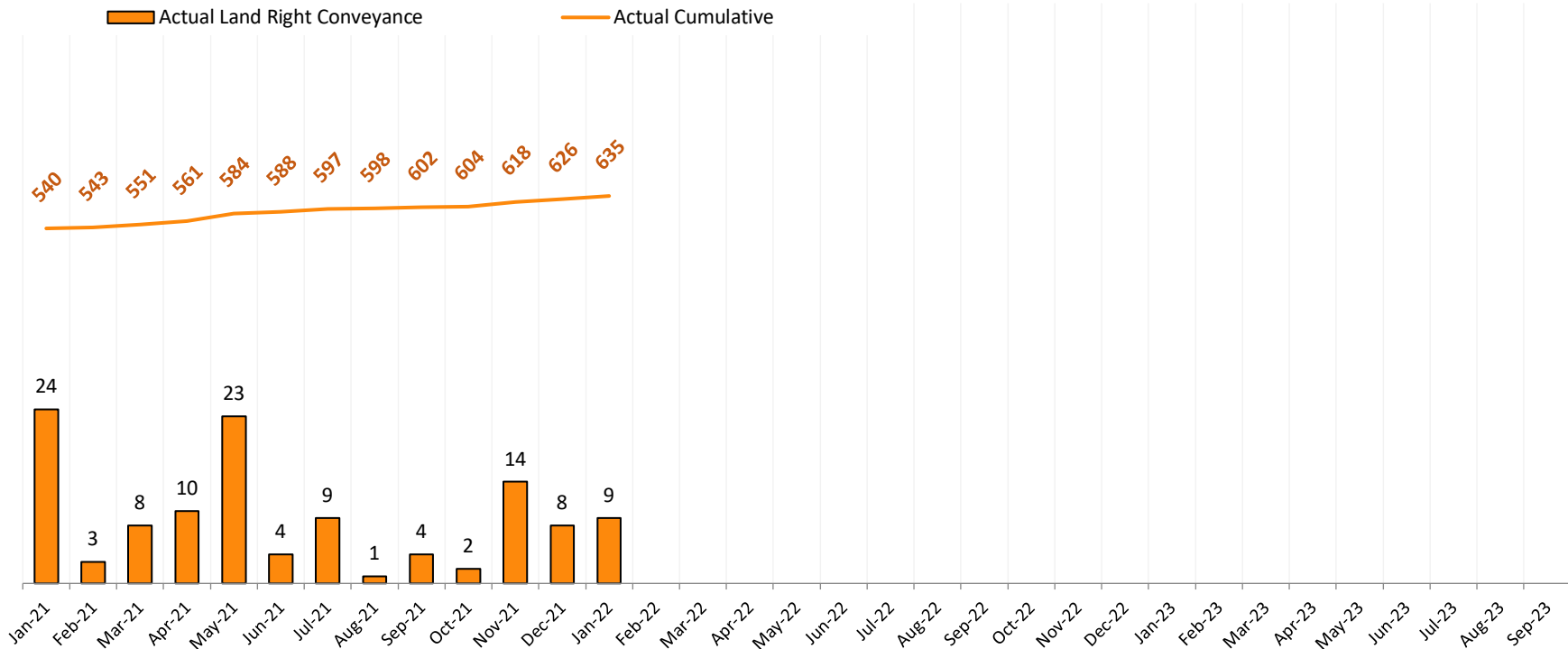
1. The Planned Cumulative line for Railroad Parcel Delivery reflects Revised Baseline Schedule (RBS) Revision 3.
2. One parcel delivery date being reforecast, not impacting the critical path.

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 January 31, 2022	Total Land Right Conveyances Approved ⁽³⁾ January 31, 2022	Remaining Land Right Conveyances to be Approved January 31, 2022
CP 1	439	335	104
CP 2-3	433	255	178
CP 4	88	45	43
Total	960	635	325

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

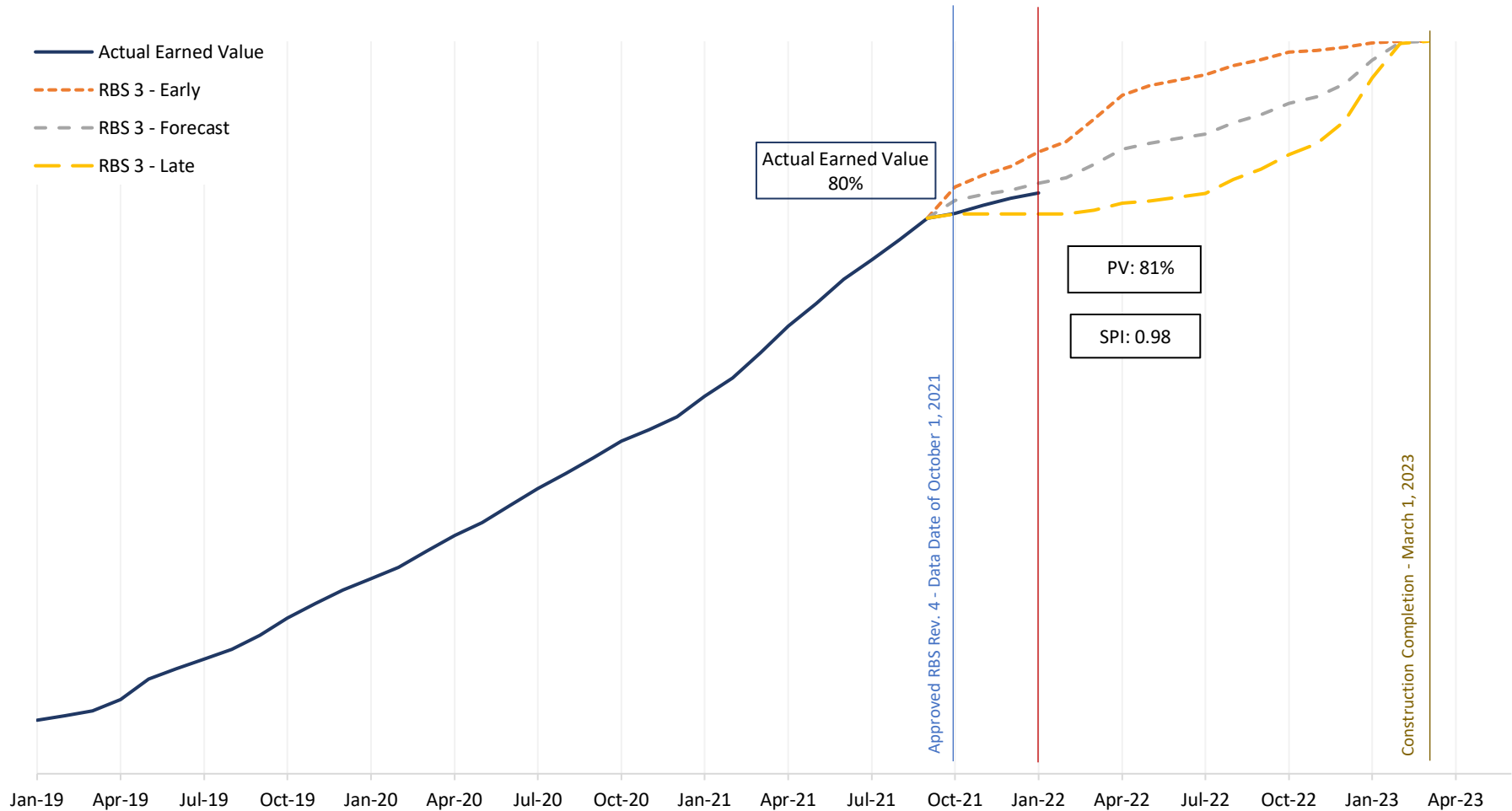


Notes:

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 (%)

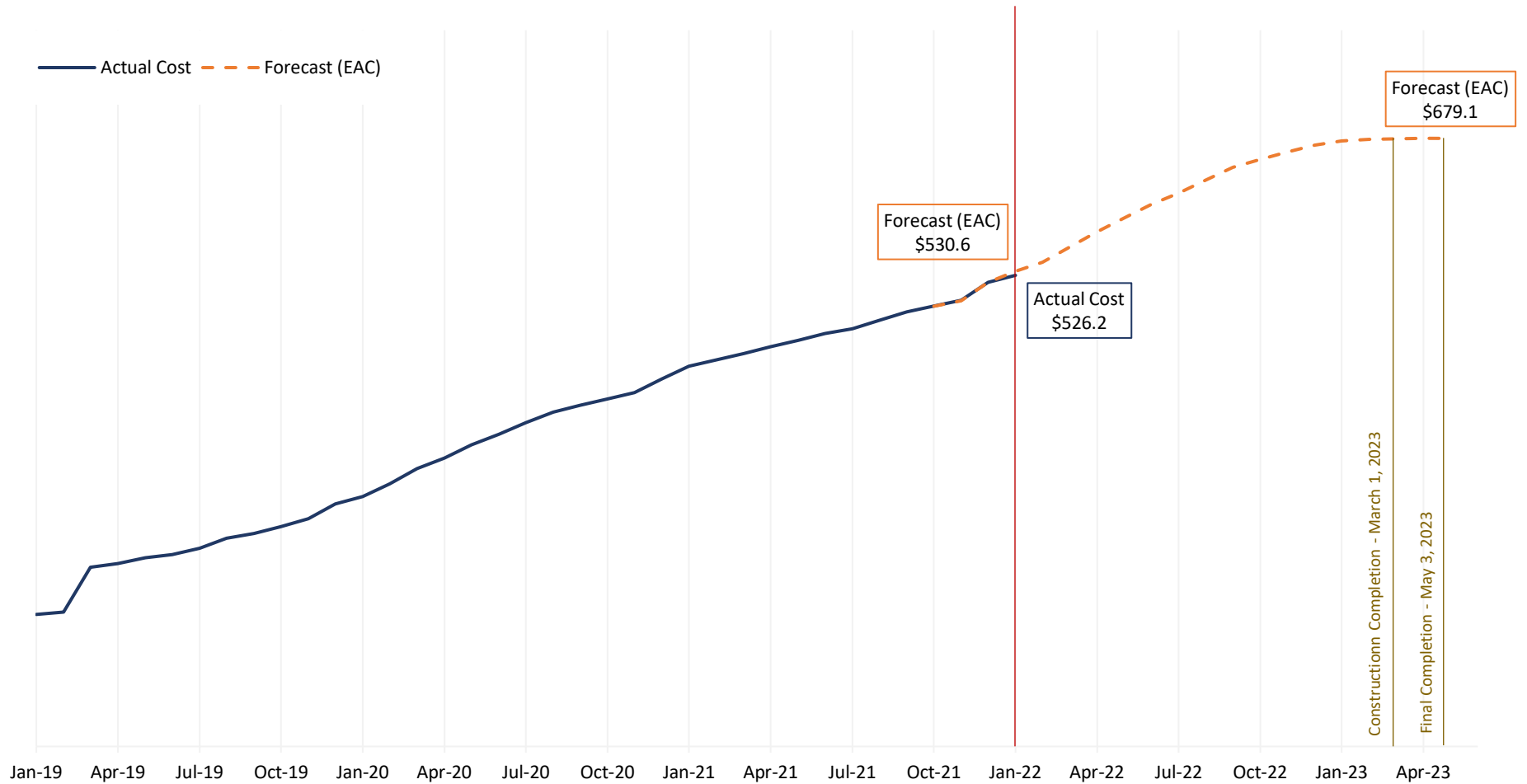


Notes:

1. The plan graphs are based on RBS Revision 3, which has a data date of October 1, 2021 and a construction completion date of March 1, 2023. Actual graph is as of January 31, 2022.
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 Construction 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:	\$1,586,654,357.14
Current Contract Amount:	\$2,609,642,357.14
Approved Invoices to Date:	\$1,726,043,158.90
Remaining Contract Balance:	\$883,599,198.24

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 01/31/2022):	3,030

Expended to Date

Description	Percentage
Time:	81.3%
Dollars:	66.1%

Growth Percentage

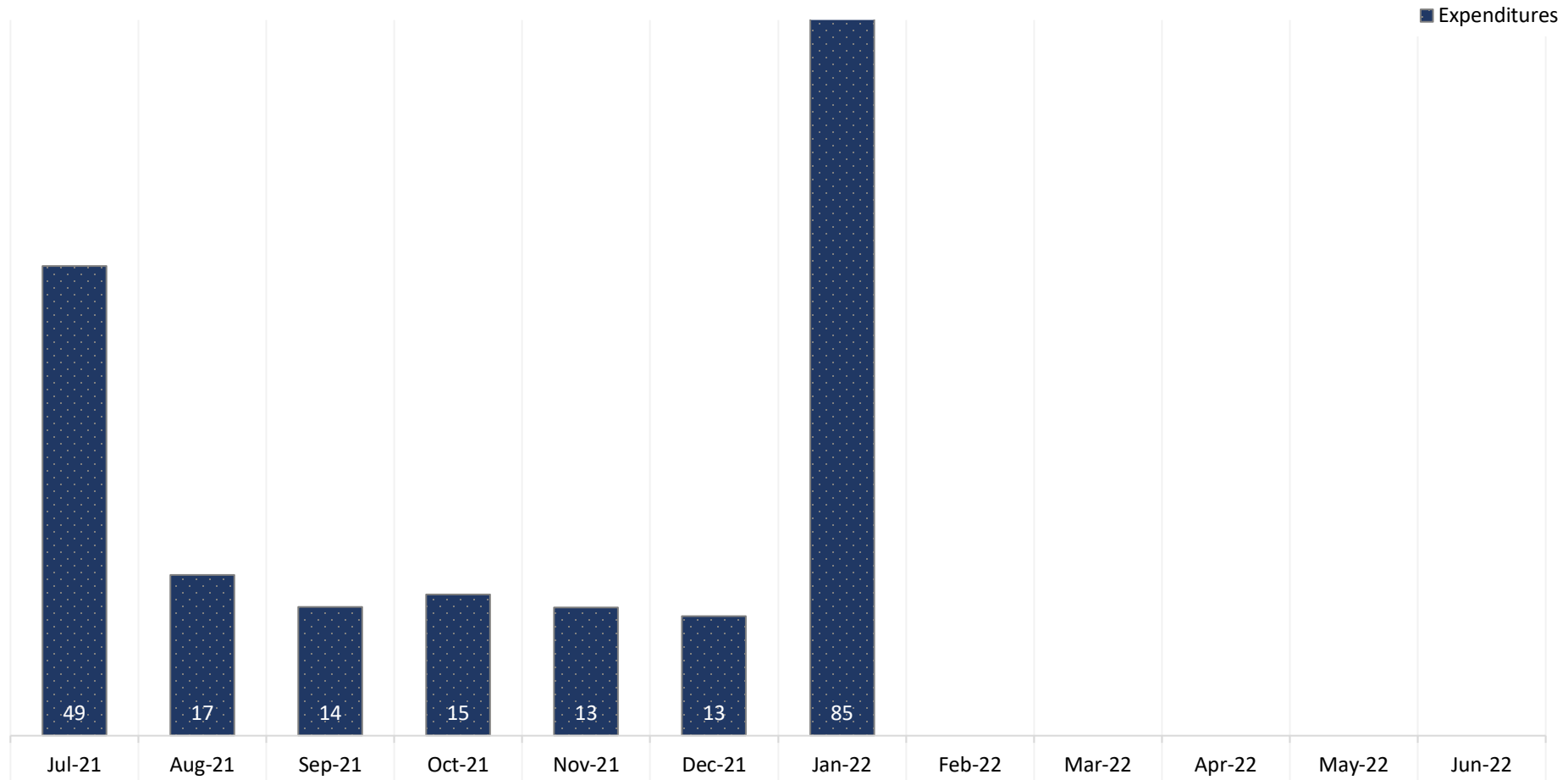
Description	Percentage
Time:	128.9%
Dollars:	155.1%

Notes:

- Information in this section is coming from data provided by the PCM – Monthly Status Report.
- Updated to align with Current Completion Date based on Expenditure Authorization (pending executed change order).
- Expenditure Authorization Current Forecast Construction 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 Construction 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.
2. Expenditures totaled \$84.6M including \$41.2M for Time Impact Assessment (TIA) 3 change order executed in January 2022 and other related change orders.

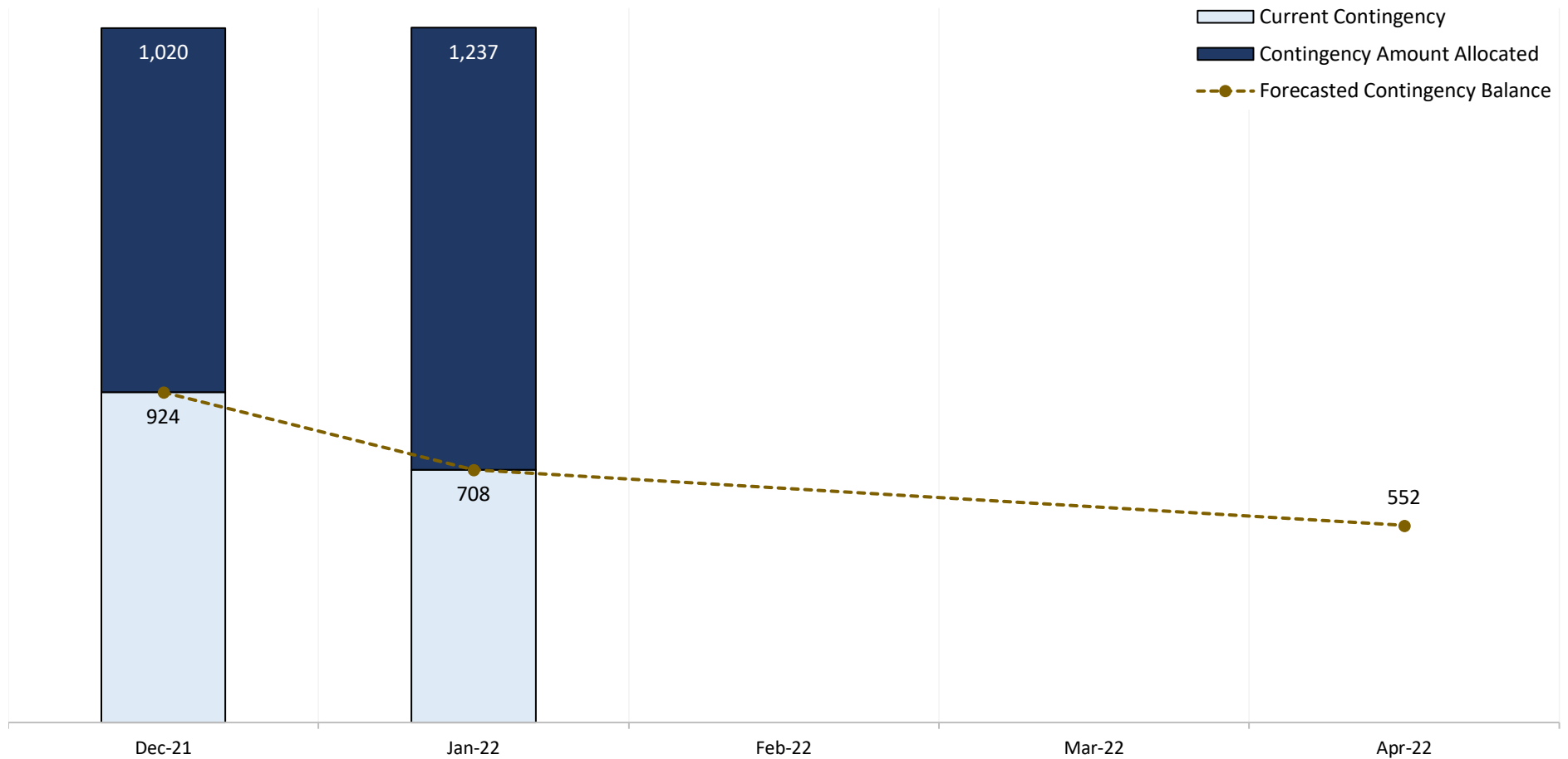
CP 1 – Change Orders

CP 1 – Change Order Status

CO Number	Title	Change Status	Amount	Executed Date
00089.02	North Extension - Design and Construction S1	Executed	\$6,137,000	28-Jan-22
00228.01	Settlement of Cost for Mechanically Stabilized Earth (MSE) to Cast In Place (CIP) Walls S1	Executed	\$2,843,000	28-Jan-22
00260.01	Herndon Avenue Alignment Changes (ATC) - Construction S2	Executed	\$3,190,000	28-Jan-22
00320.01	Intrusion Protection Requirements, Original Quantity S1 - Construction	Executed	\$6,390,000	28-Jan-22
00322.01	Intrusion Protection Requirements, Added Quantity S1 - Construction	Executed	\$964,000	28-Jan-22
00099.3	Time Impact Analysis 3 and acceleration (TIA 03)	Executed	\$121,976,000	27-Jan-22
00394	City of Fresno Upsizing of Water Mains - Design	Executed	\$52,880	19-Jan-22
00397	Belmont Avenue Overcrossing and Grade Separation Changes - Construction	Executed	\$38,700,911	19-Jan-22
00359	Intrusion Protection Barrier Additional Requirements - Design	Executed	\$72,121	17-Jan-22
00400	Storm Drain Relocation at Olive Avenue and DMV - Design	Executed	\$49,809	17-Jan-22
00375	Level 3 Fiber Optic Relocation at Road 27 - Third Party Fees	Executed	\$244,591	06-Jan-22
00136.01	Tuolumne Overcrossing - Storm Drain Extra Work	Executed	\$23,642	05-Jan-22
TOTAL			\$180,643,954	

CP 1 – Risk Contingency

CP 1 – Risk Contingency Status (\$ Millions)

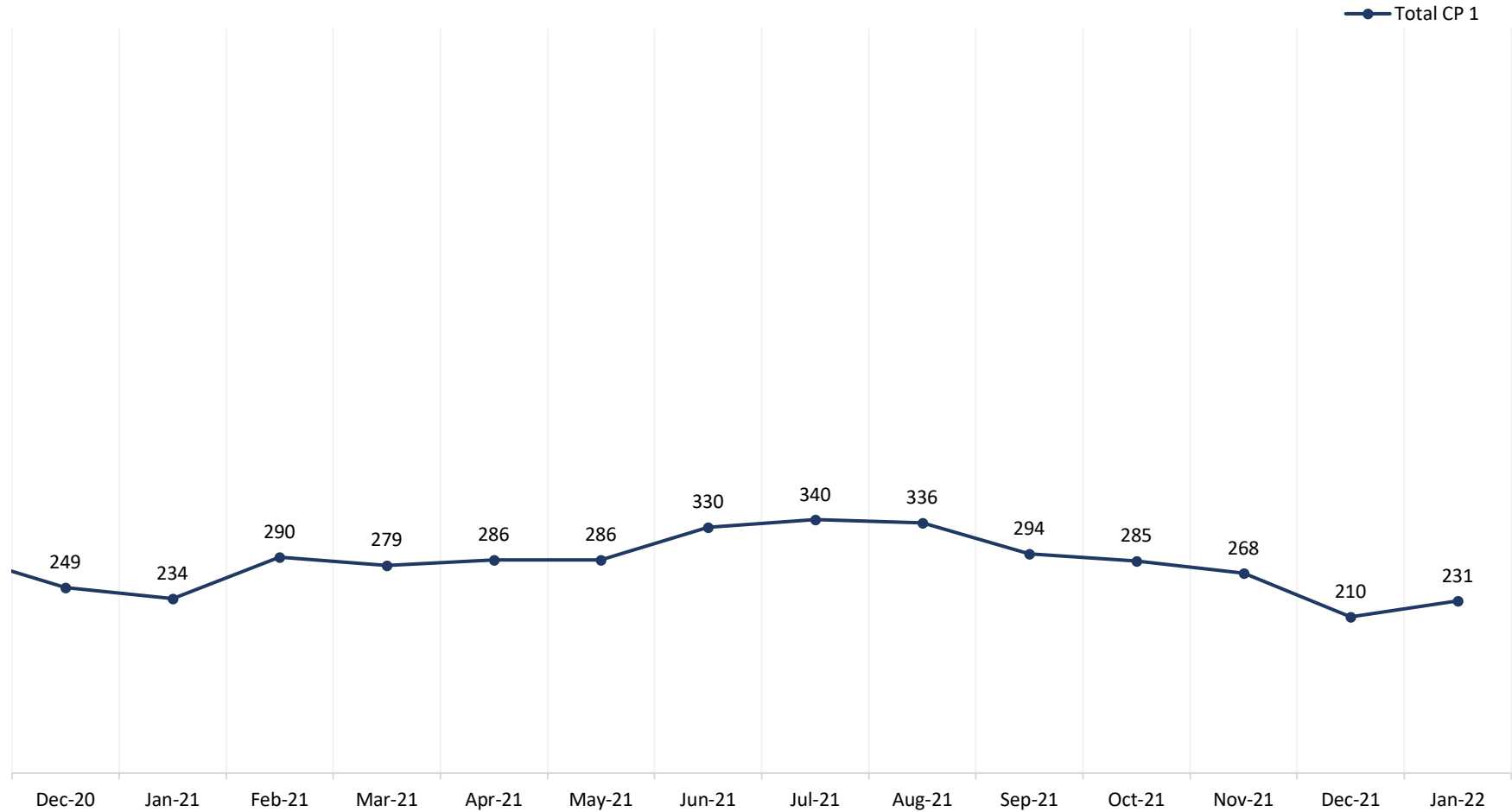


Notes:

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

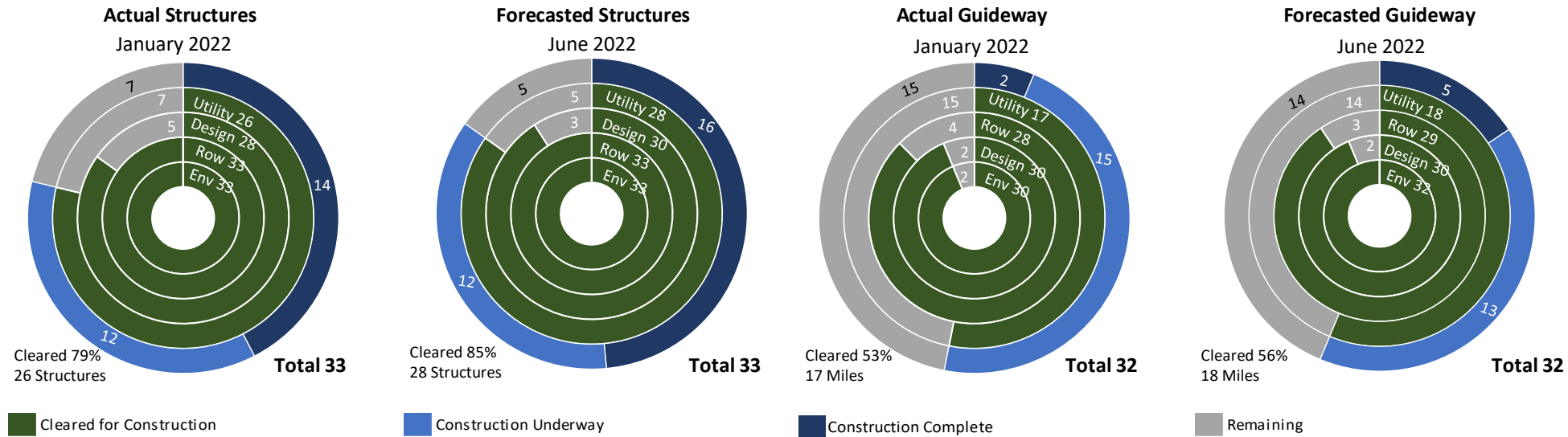
CP 1 – Monthly Construction Workforce Total – Actual (FTE)



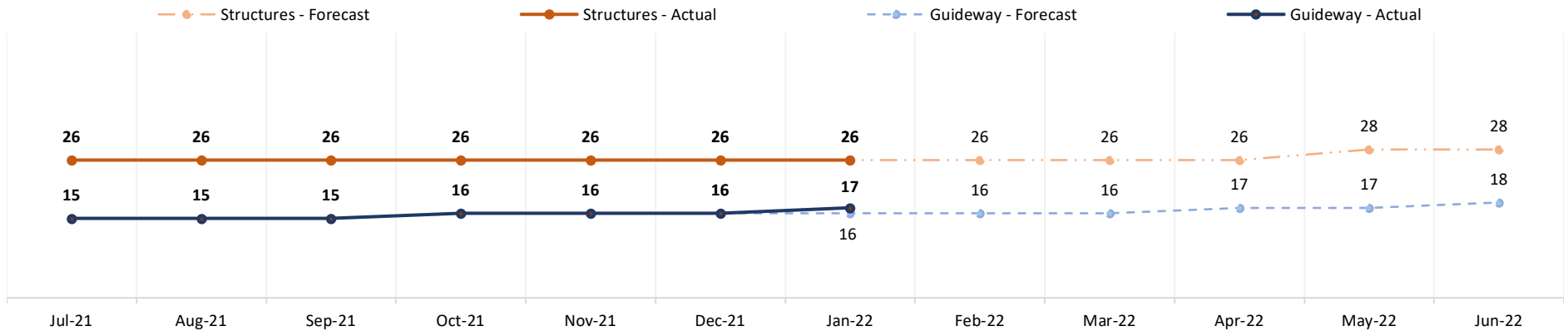
- Notes:**
1. The construction labor numbers (full-time employees) are based on the weekly totals divided by the number of weeks within the working calendar month and represents the Average Daily Site Workers (by week).
 2. An increase of 21 workers from the previous month (210).

CP 1 – Construction Progress

CP 1 – Construction Progress



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



Notes:

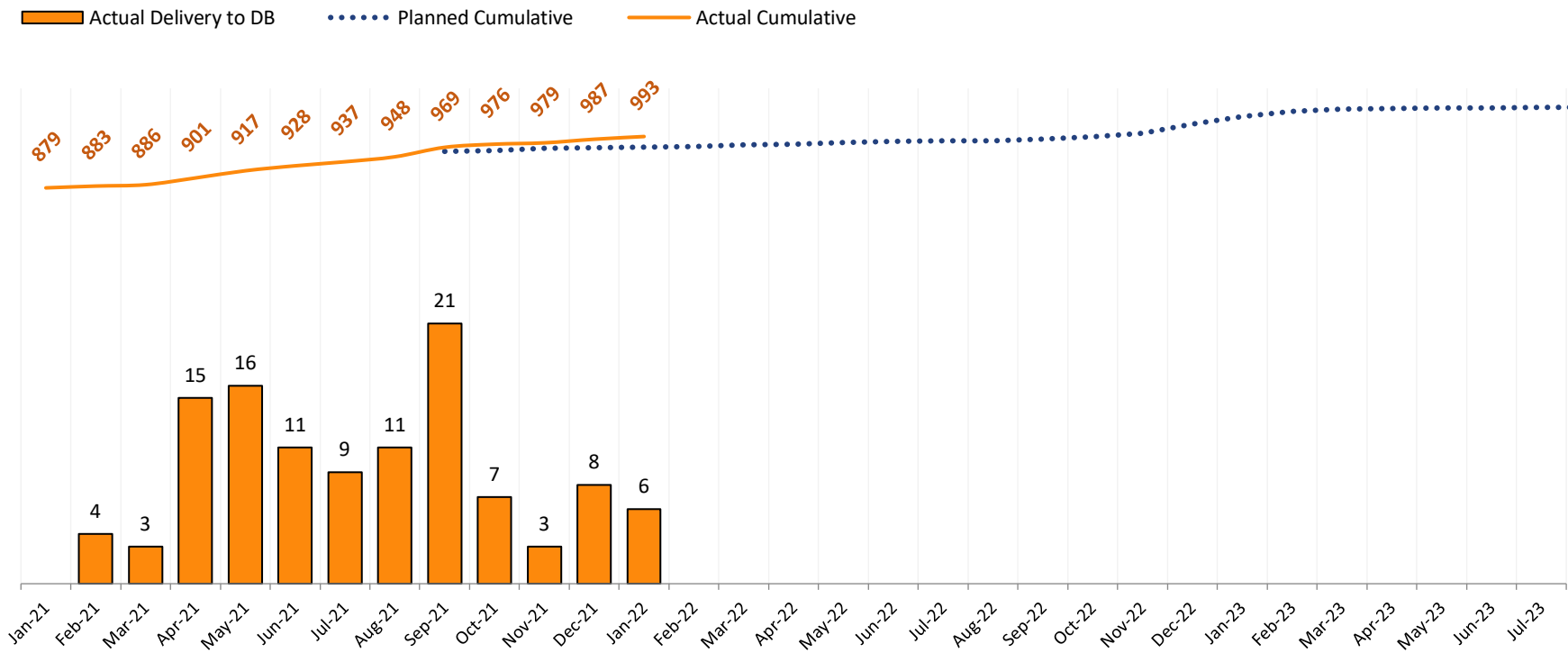
- The circle charts above incorporate Revised Baseline Schedules (RBS) Revision 3 data pending approval.
- The line chart above incorporates provisional forecast numbers pending submission and approval of RBS Revision 3.
- Total Structures: 33:
 - 26 structures underway/Construction complete.
- Total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

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

CP 1 – Right-of-Way (ROW) Summary

Construction Package	Total Needed Parcels January 31, 2022	Total Parcels Delivered to Date January 31, 2022	Remaining Parcels to be Delivered January 31, 2022
CP 1	1,070	993	77

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



Notes:

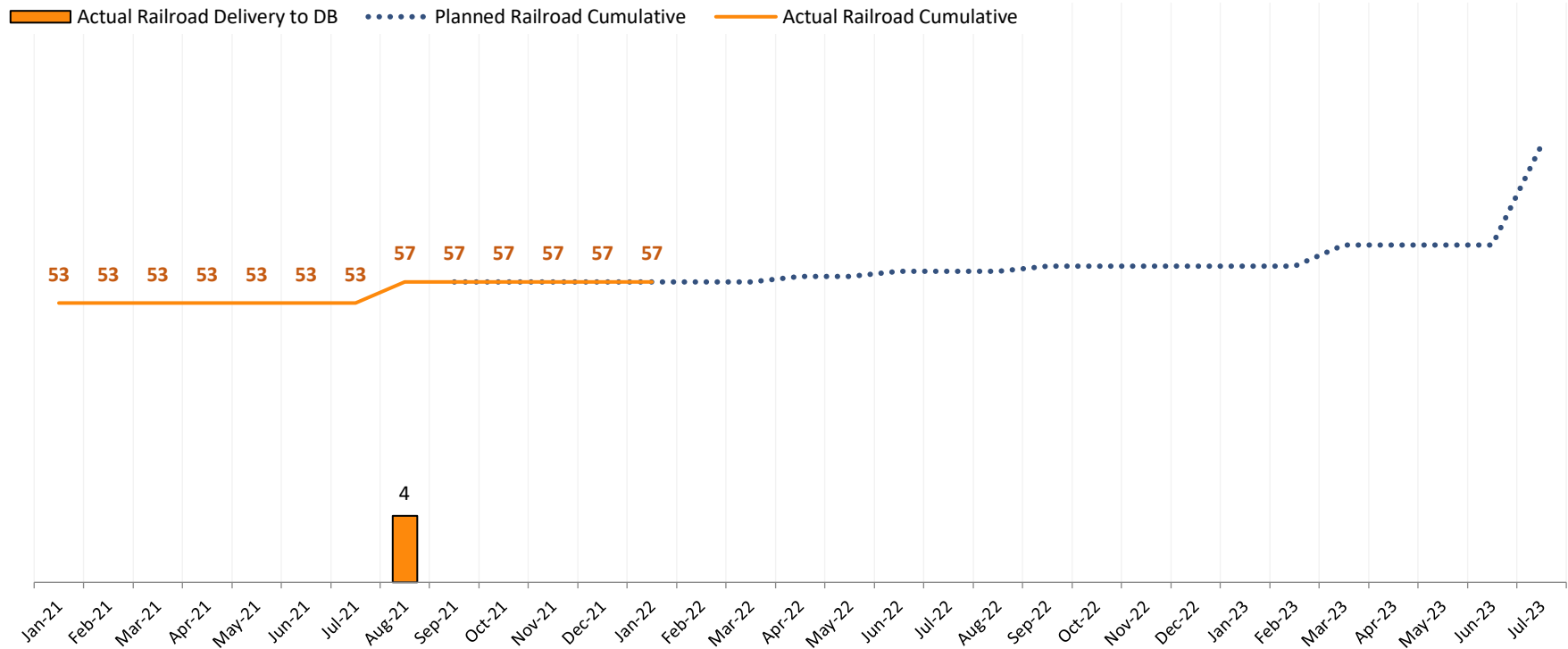
1. This reflects the actual parcels delivered to the Design-Builder by month and projection based on the Revised Baseline Schedules (RBS) Revision 3.

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

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

Construction Package	Total Needed Railroad Parcels January 31, 2022	Total Railroad Parcels Delivered to Date January 31, 2022	Remaining Railroad Parcels to be Delivered January 31, 2022
CP 1	83	57	26

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



Note:

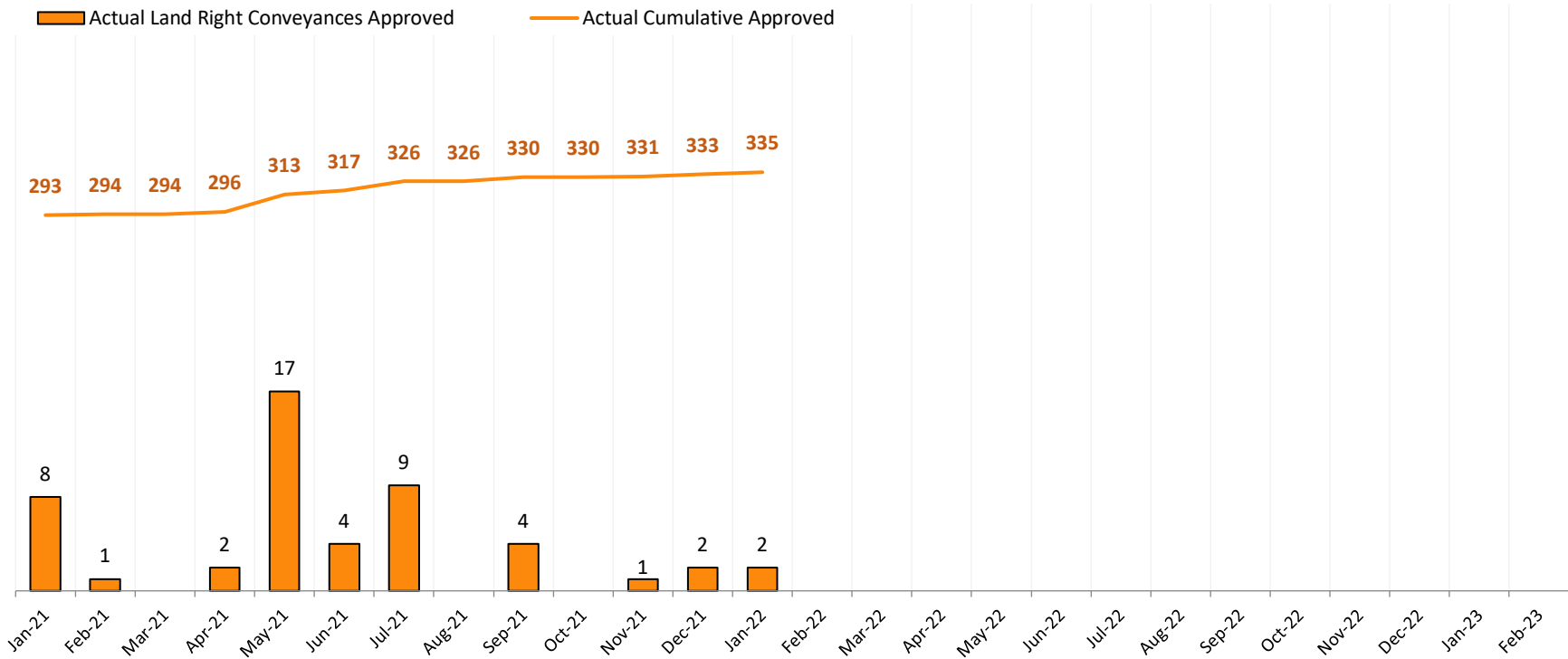
1. The Planned Cumulative line for Railroad Parcel Delivery reflects Revised Baseline Schedule (RBS) Revision 3.

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 January 31, 2022	Total Land Right Conveyances Approved ⁽²⁾ to Date January 31, 2022	Remaining Land Right Conveyances to be Approved January 31, 2022
CP 1	439	335	104

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 Construction 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:	\$850,957,044.42
Current Contract Amount:	\$2,216,292,934.42
Approved Invoices to Date:	\$1,486,846,528.81
Remaining Contract Balance:	\$729,446,405.61

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 01/31/2022):	2,382

Expended to Date Percentage

Description	Percentage
Time:	77.3%
Dollars:	67.1%

Growth Percentage

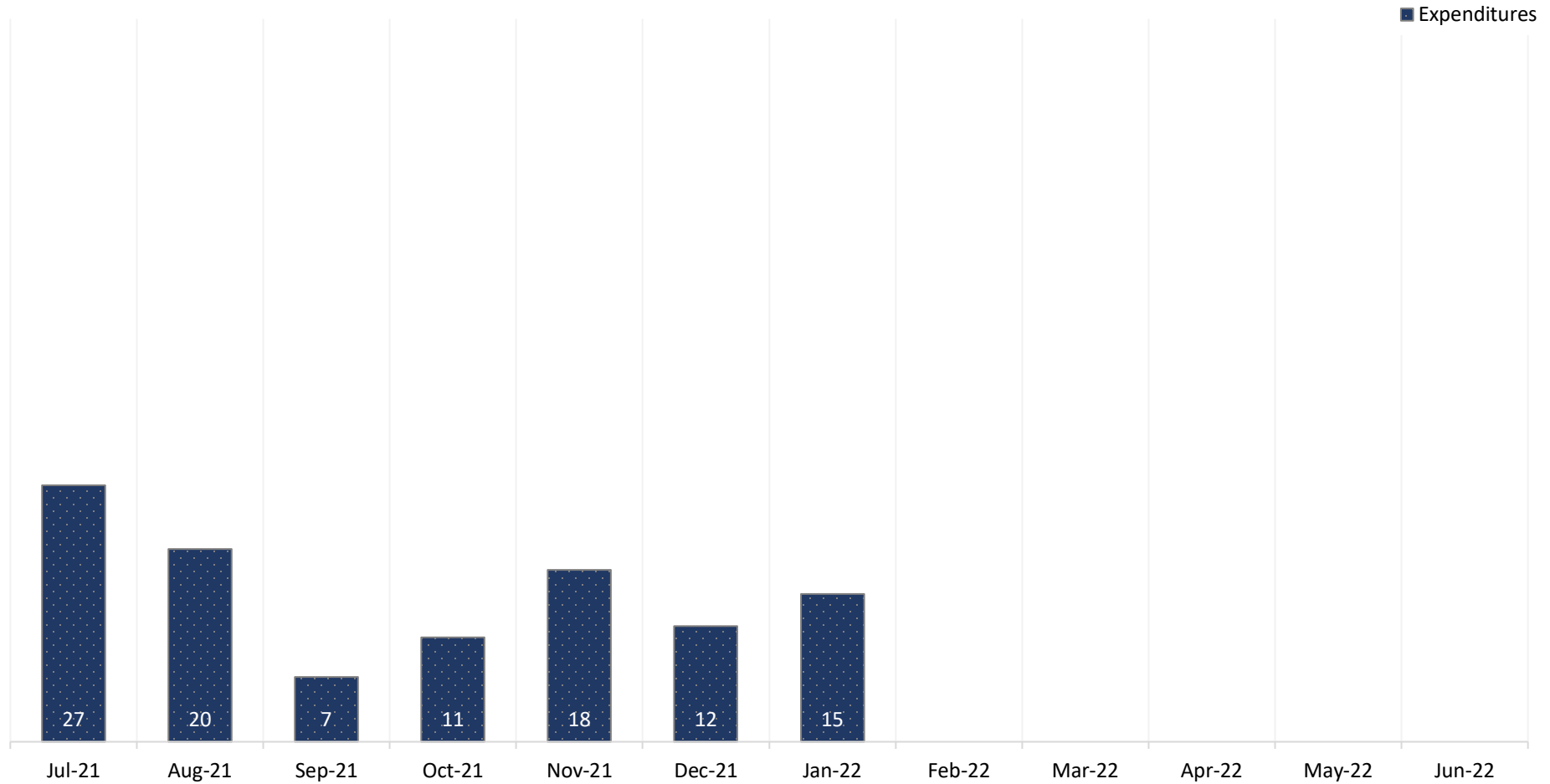
Description	Percentage
Time:	107.3%
Dollars:	62.3%

Notes:

- Information in this section is coming from data provided by the PCM – Monthly Status Report.
- Updated to align with Current Completion Date based on Expenditure Authorization (pending executed change order).
- Expenditure Authorization Current Forecast Construction 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 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.

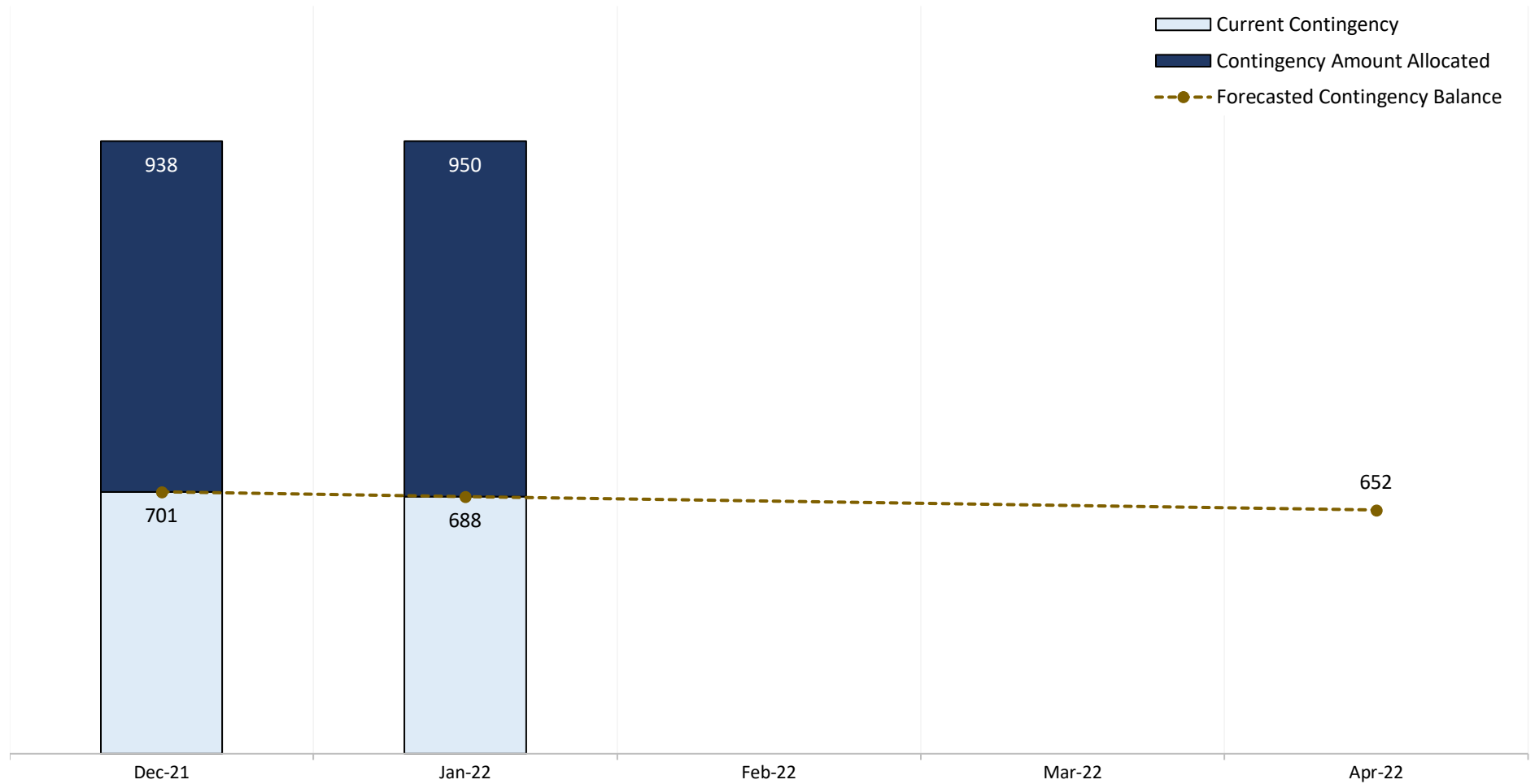
CP 2-3 – Change Orders

CP 2-3 – Change Order Status

CO Number	Title	Change Status	Amount	Executed Date
00034.2	Harlan Stevens Ditch - T&M	Executed	\$150,000	27-Jan-22
00284	Dutch John Cut and Cole Slough - Deeper Borings at CIDH Test Shaft Locations - DL122	Executed	\$105,735	26-Jan-22
00283	Fargo Avenue - Overhead to Underground Utilities Relocation	Executed	\$310,991	26-Jan-22
00261.1	9 th Avenue Pile Foundation Change –Eliminate Battered Piles	Executed	\$70,231	26-Jan-22
00279	Hazardous Materials Encountered at Tule River Viaduct	Executed	\$42,757	26-Jan-22
00045.25	Escalation Costs - September 2021	Executed	\$262,950	26-Jan-22
00045.24	Escalation Costs - August 2021	Executed	\$949,878	26-Jan-22
00231.1	Revise Overhead widths at Flint, Fargo, and Idaho Aves. (Type 2 Structures) and Modifications at Cairo Ave. (Type 1 Structure)-DL No. 00099	Executed	\$1,814,760	26-Jan-22
00203.1	Gejeian No. 164 - J&B Irrigation Facility - BNSF WS Access Rd. (COP 195.3A)	Executed	\$771,419	25-Jan-22
00268	Jacobs Delay Impacts	Executed	\$7,874,092	19-Jan-22
TOTAL			\$12,352,813	

CP 2-3 – Risk Contingency

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

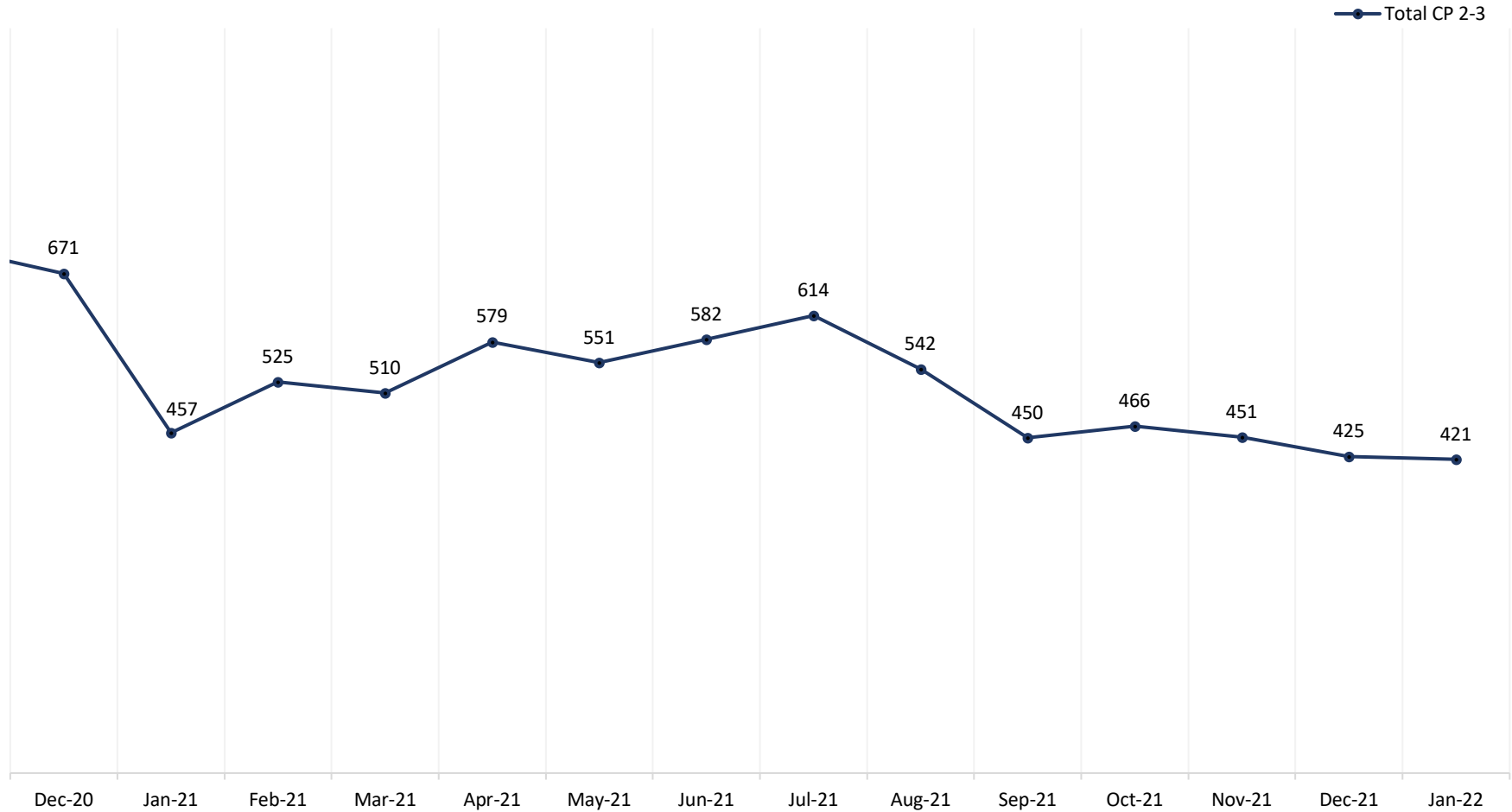


Notes:

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

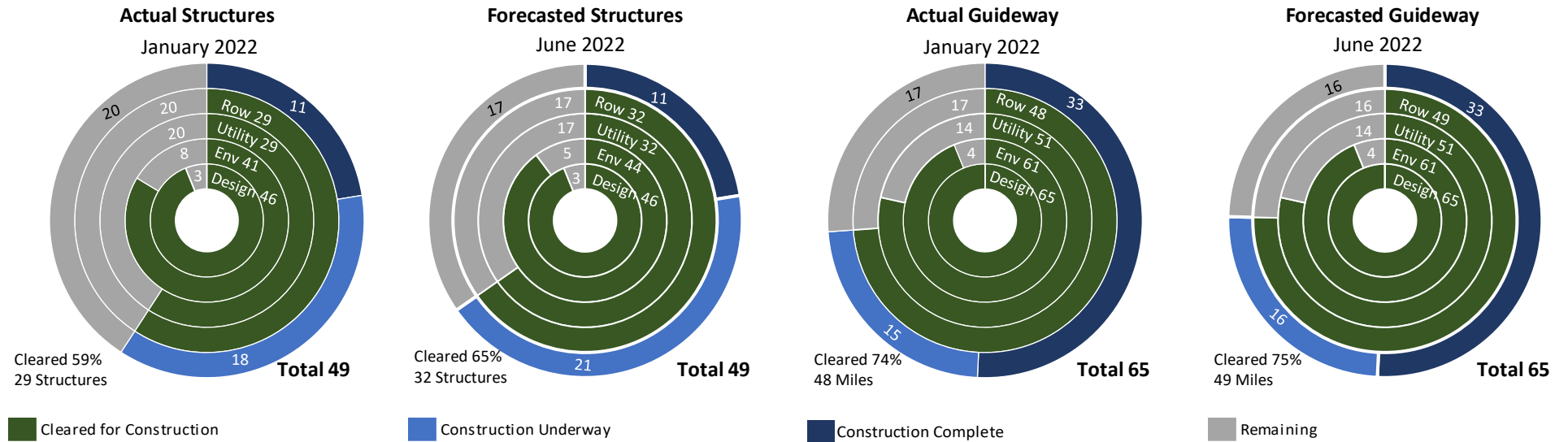
CP 2-3 – Monthly Construction Workforce Total – Actual (FTE)



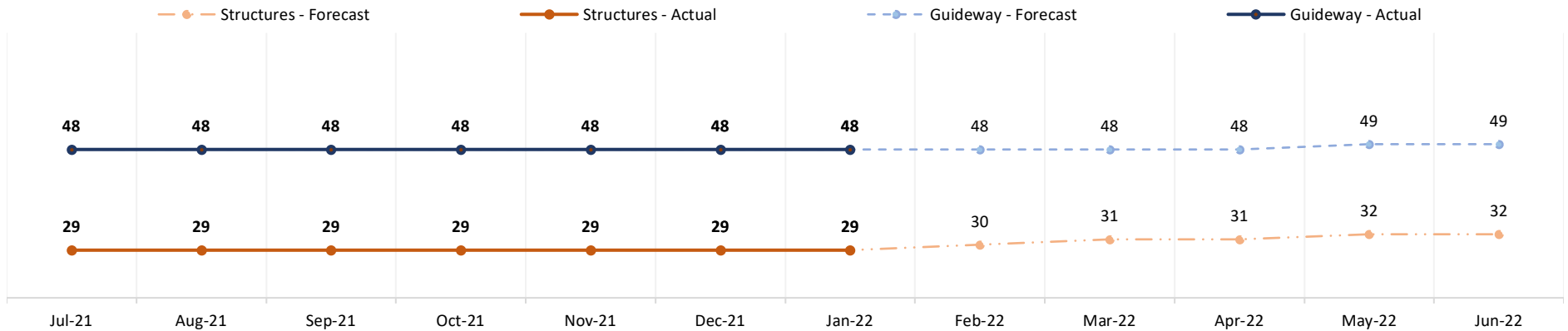
- Notes:**
1. The construction labor numbers (full-time employees) are based on the weekly totals divided by the number of weeks within the working calendar month and represents the Average Daily Site Workers (by week).
 2. A decrease of 4 workers from the previous month (425) and anticipate a significant upturn in February 2022.

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:
 - a. 29 structures underway/Construction complete.
4. Total Guideway: 65 miles:
 - a. 48 miles underway/Construction complete.

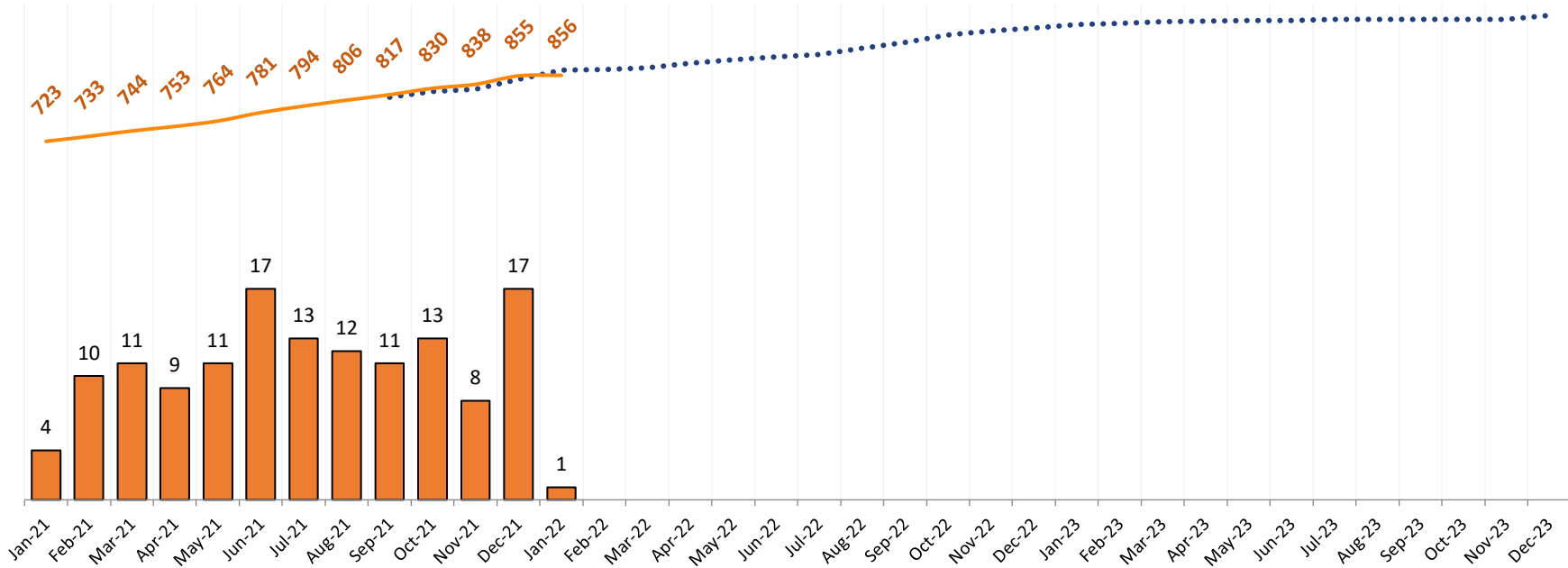
CP 2-3 – Real Property/Right-of-Way (ROW)

CP 2-3 – Right-of-Way (ROW) Summary

Construction Package	Total Needed Parcels January 31, 2022	Total Parcels Delivered to Date January 31, 2022	Remaining Parcels to be Delivered January 31, 2022
CP 2-3	978	856	122

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

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



Notes:

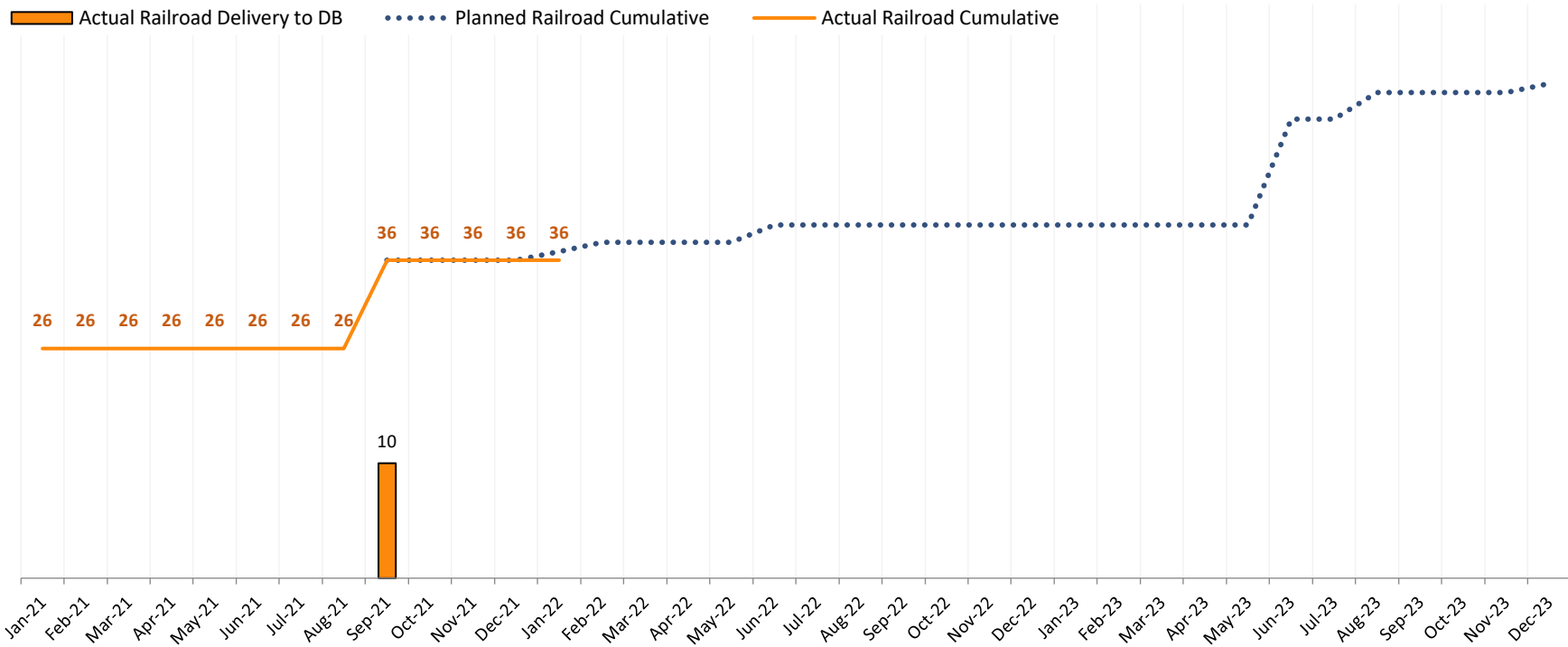
1. This reflects the actual parcels delivered to the Design-Builder by month and projection based on the Revised Baseline Schedule (RBS) Revision 3.
2. One CP 2-3 parcel added to Total Needed Parcels.
3. Eighteen parcels forecasted in January 2022 were delivered February 2, 2022.

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 January 31, 2022	Total Railroad Parcels Delivered to Date January 31, 2022	Remaining Railroad Parcels to be Delivered January 31, 2022
CP 2-3	56	36	20

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



Note:

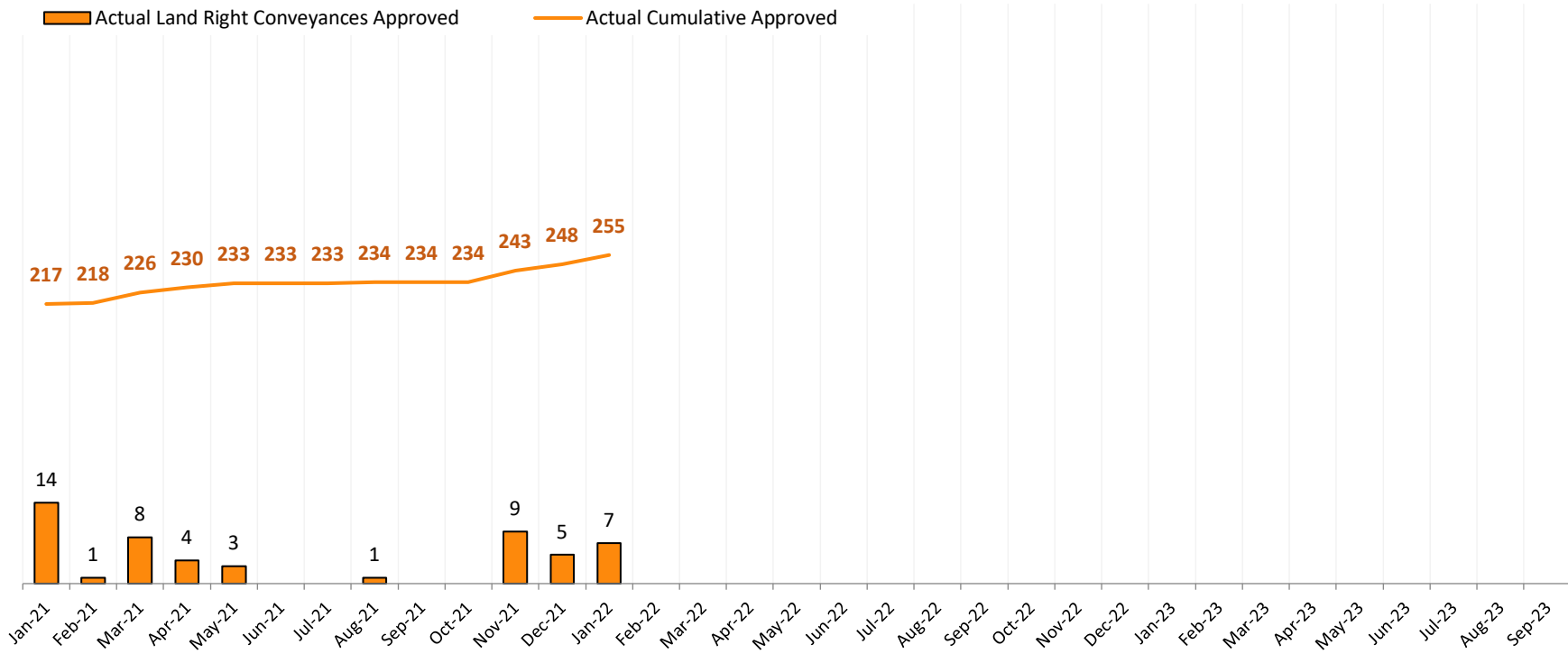
1. The Planned Cumulative line for Railroad Parcel Delivery reflects Revised Baseline Schedule (RBS) Revision 3.
2. One parcel delivery date being reforecast, not impacting the critical path.

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 January 31, 2022	Total Land Right Conveyances Approved ⁽³⁾ to Date January 31, 2022	Remaining Land Right Conveyances to be Approved January 31, 2022
CP 2-3	433	255	178

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 Construction 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:	\$227,160,809.49
Current Contract Amount:	\$671,407,809.49
Approved Invoices to Date:	\$526,250,102.00
Remaining Contract Balance:	\$145,157,707.49

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 01/31/2022):	2,117

Expended to Date

Description	Percentage
Time:	84.3%
Dollars:	78.4%

Growth Percentage

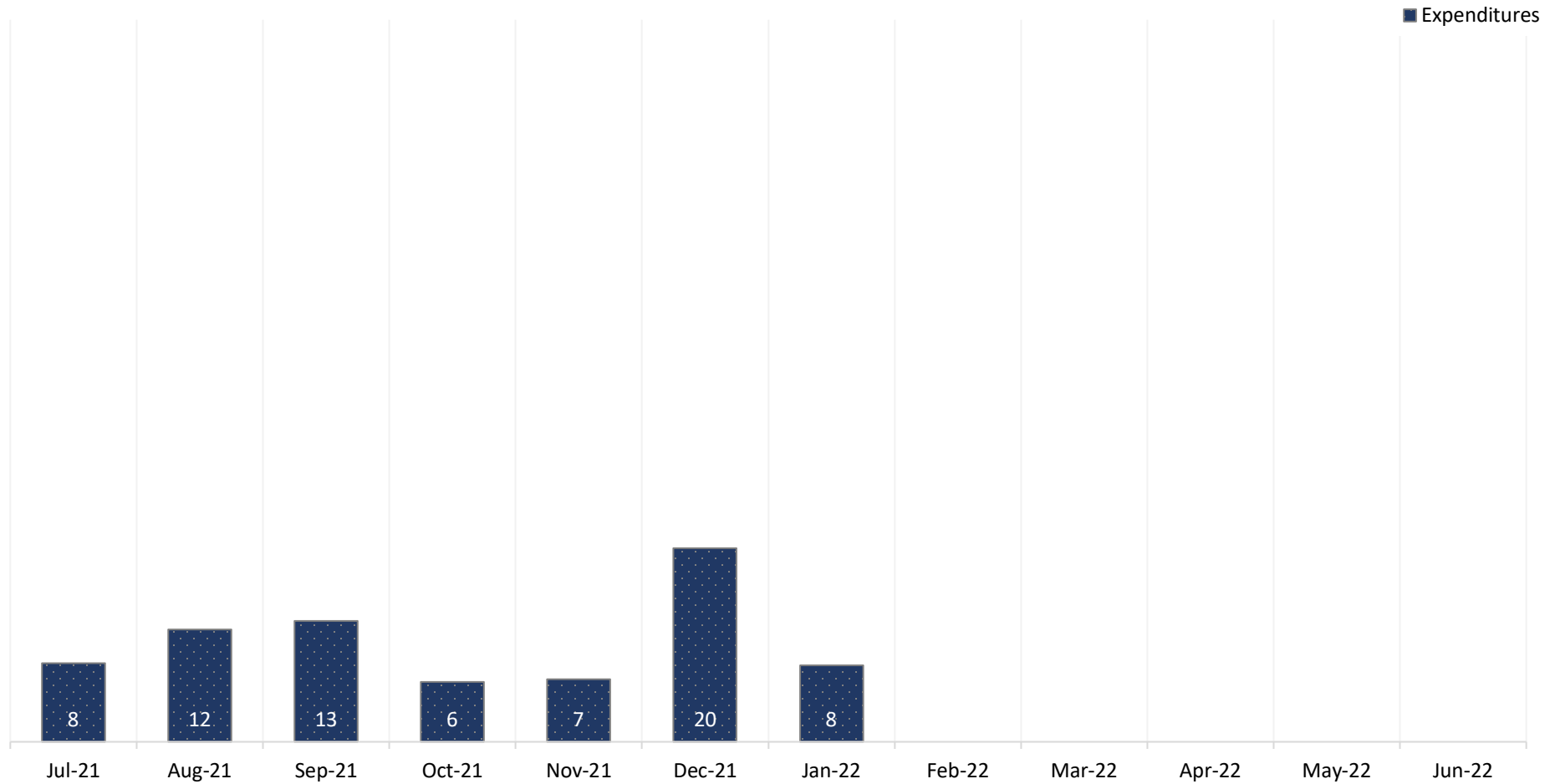
Description	Percentage
Time:	119.5%
Dollars:	51.1%

Notes:

- Information in this section is coming from data provided by the PCM – Monthly Status Report.
- Updated to align with Current Completion Date based on Expenditure Authorization (pending executed change order).
- Expenditure Authorization Current Forecast Construction 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 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.

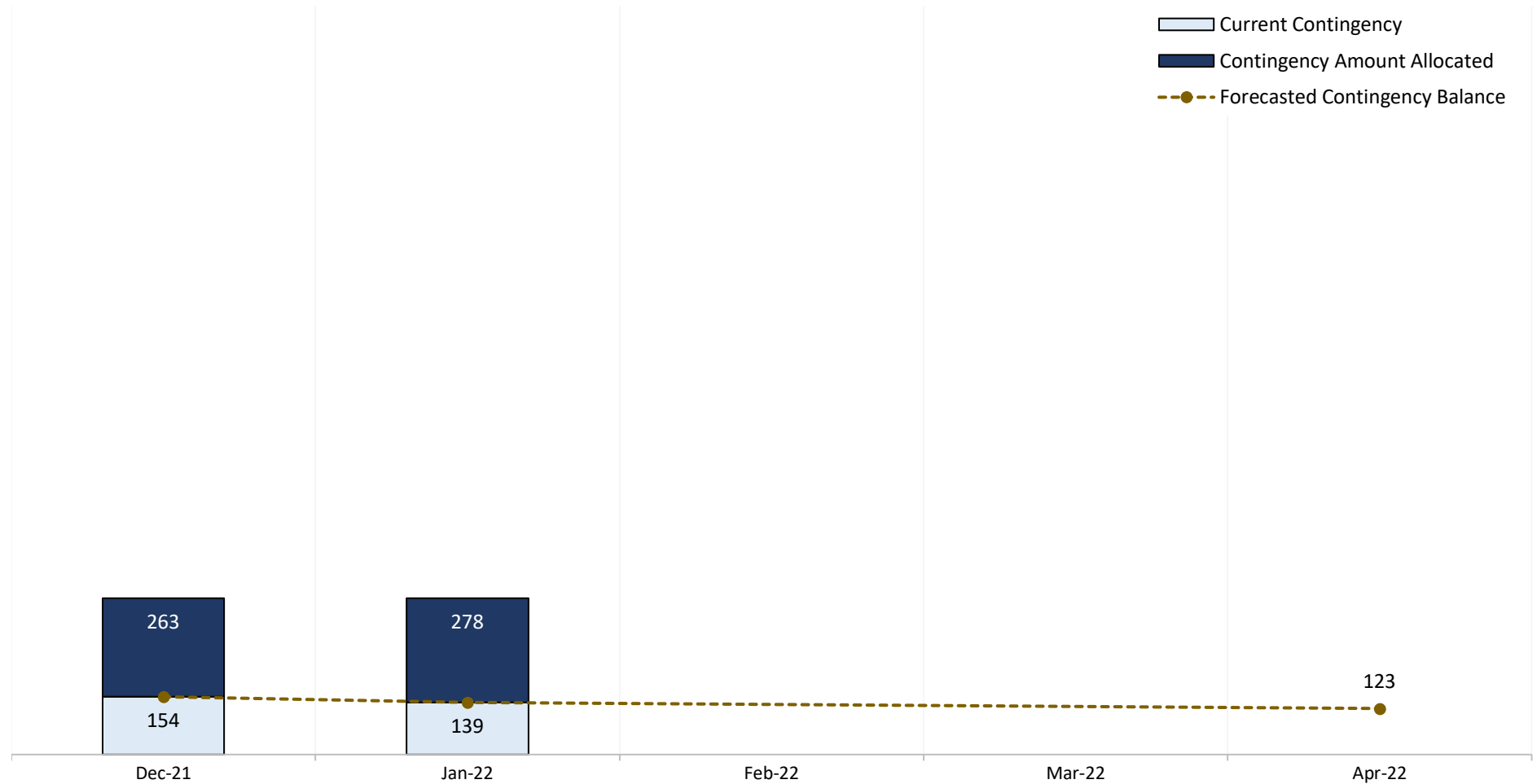
CP 4 – Change Orders

CP 4 – Change Order Status

CO Number	Title	Change Status	Amount	Executed Date
122	CPUC Formal Application Extension Peterson, Pond, and Kimberlina	Executed	\$33,263	31-Jan-22
123	Reimbursement for Semitropic Conflict 6014	Executed	\$765,641	31-Jan-22
124	Temporary Shoring for Pedestrian Underpass	Executed	\$449,988	31-Jan-22
39.5	Additional Costs Associated with the Remainder of the IPB Changes	Executed	\$13,000,000	21-Jan-22
117	Wasco Avenue Detour and Pile Drilling Crew Standby	Executed	\$470,160	05-Jan-22
118	Wasco Avenue Detour Maintenance	Executed	\$190,519	05-Jan-22
TOTAL			\$14,909,572	

CP 4 – Risk Contingency

CP 4 – Risk Contingency Status (\$ Millions)

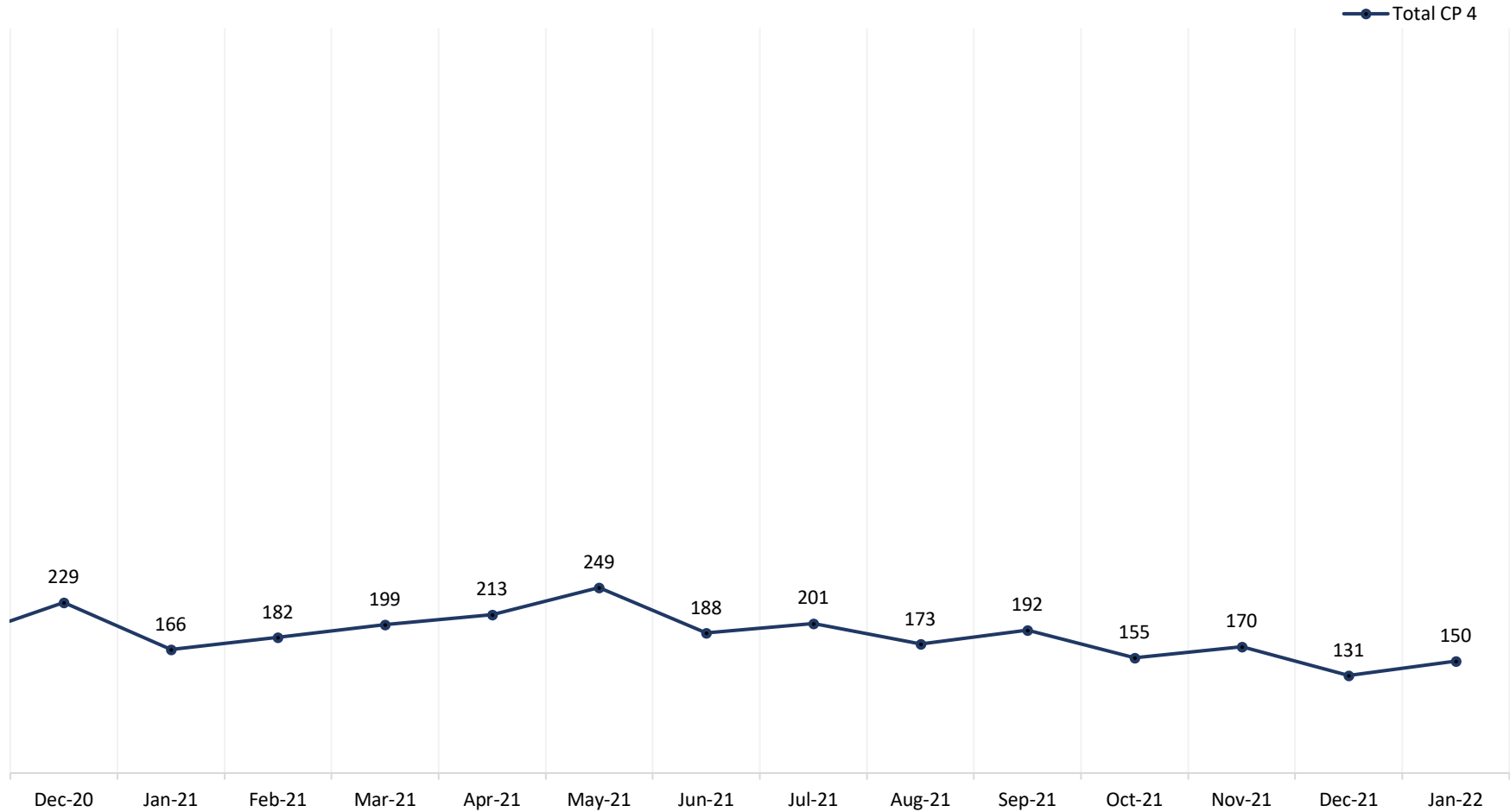


Notes:

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

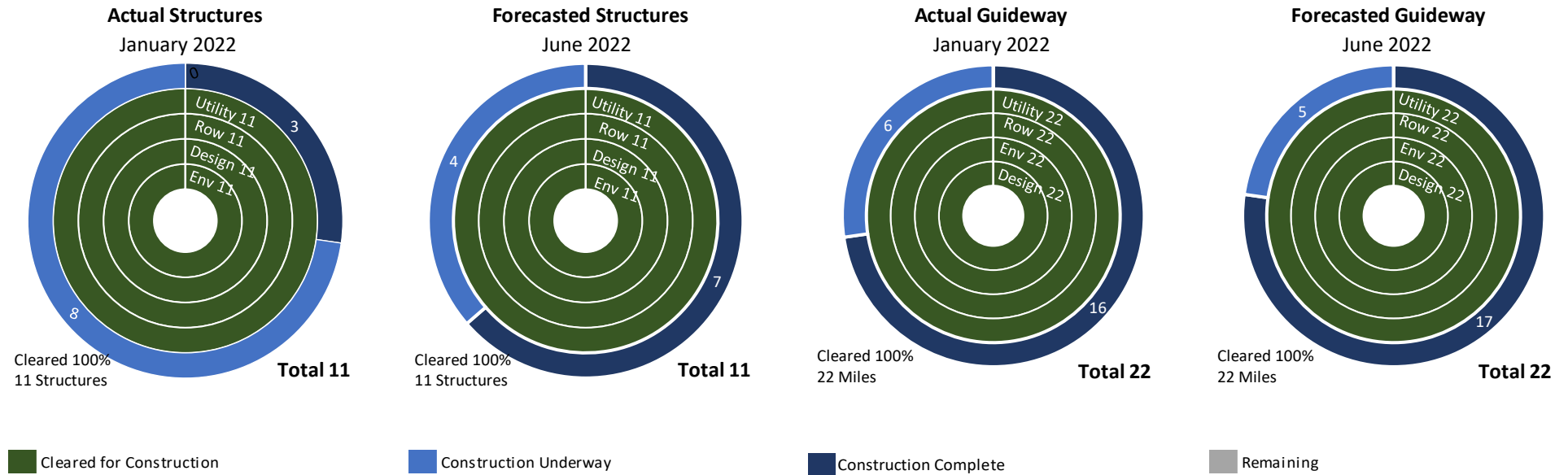
CP 4 – Monthly Construction Workforce Total – Actual (FTE)



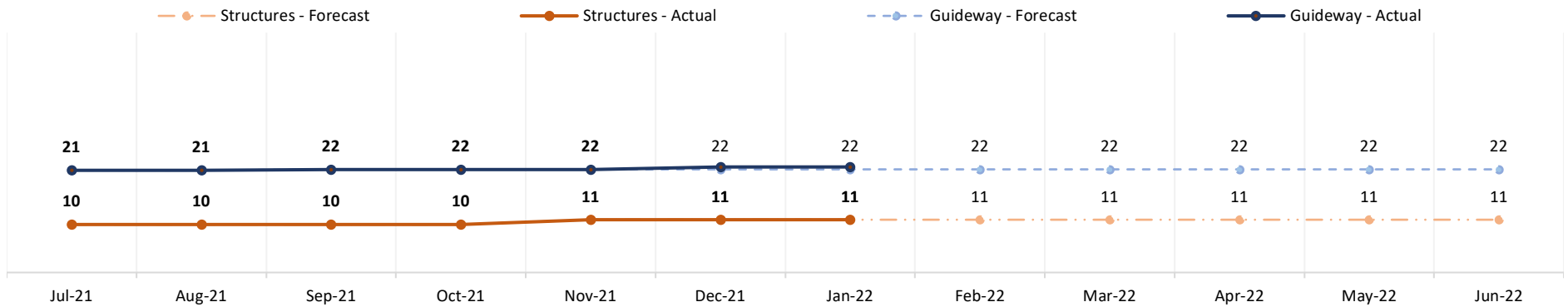
- Notes:**
1. The construction labor numbers (full-time employees) are based on the weekly totals divided by the number of weeks within the working calendar month and represents the Average Daily Site Workers (by week).
 2. An increase of 19 workers from the previous month (131).

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:
 - 11 structures underway/Construction 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/Construction complete.

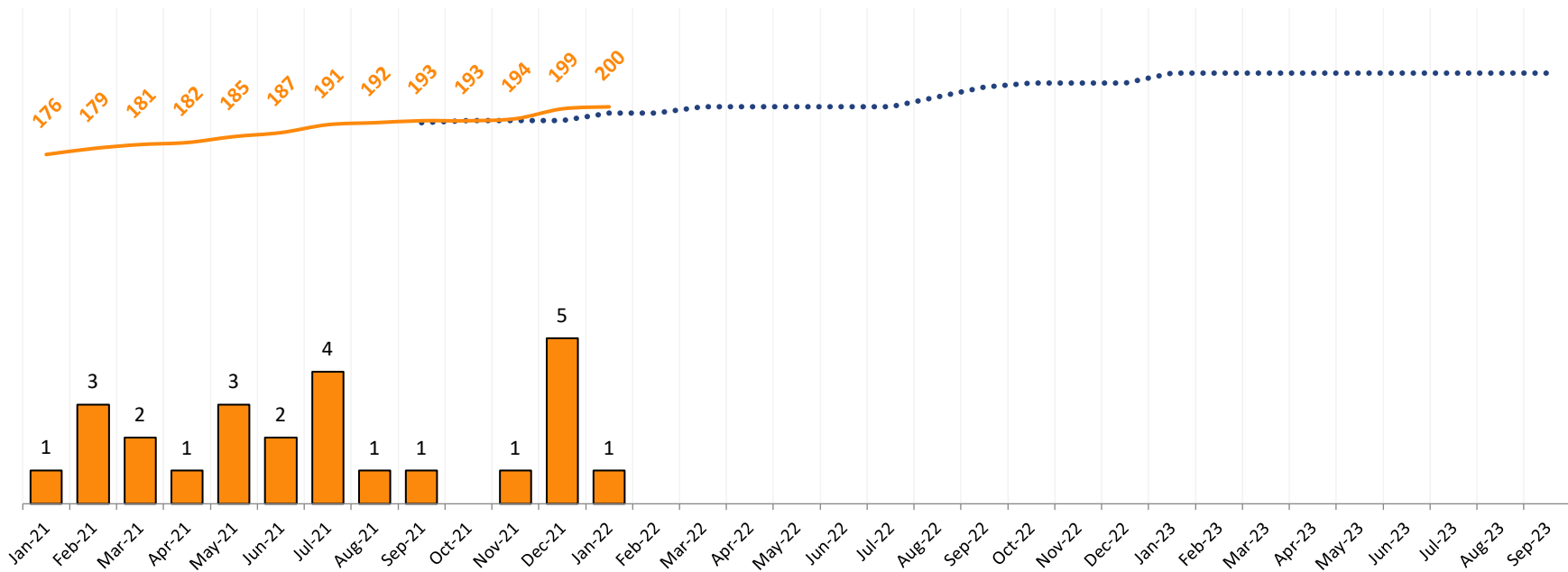
CP 4 – Real Property/Right-of-Way (ROW)

CP 4 – Right-of-Way (ROW) Summary

Construction Package	Total Needed Parcels January 31, 2022	Total Parcels Delivered to Date January 31, 2022	Remaining Parcels to be Delivered January 31, 2022
CP 4	238	200	38

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

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



Notes:

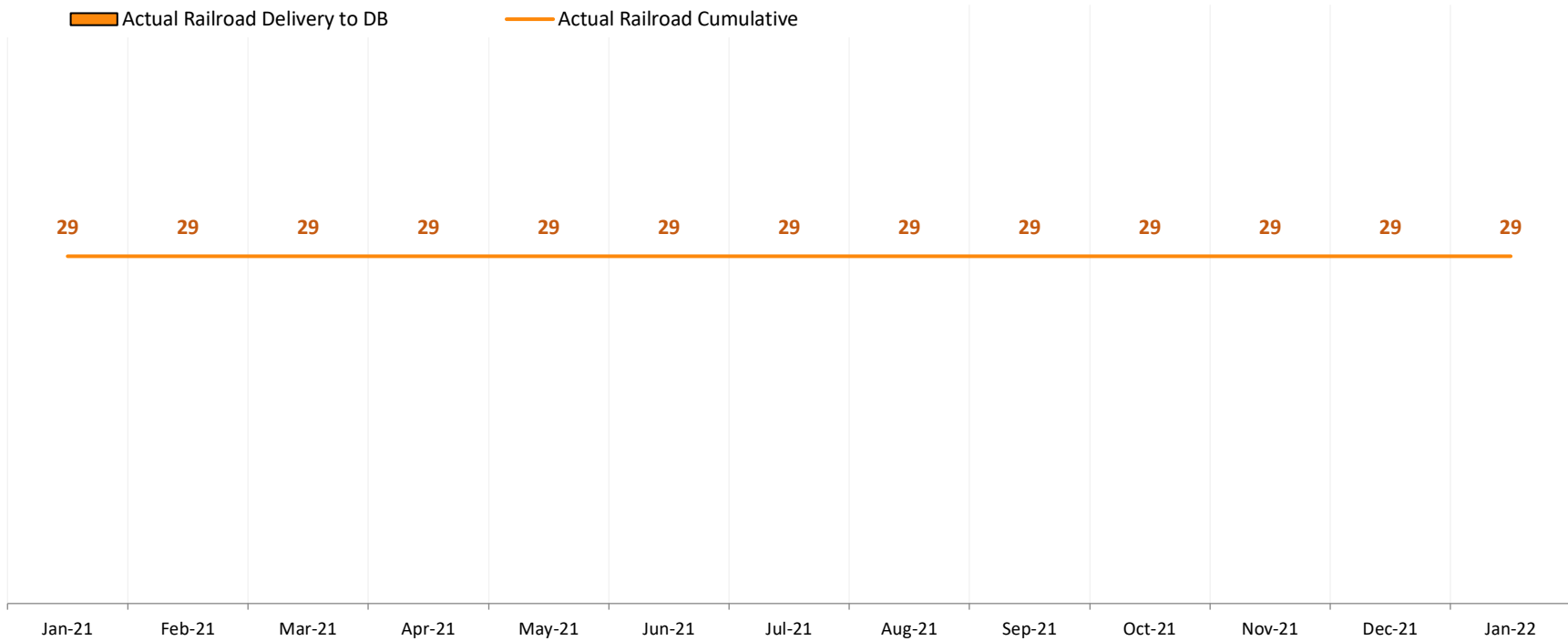
1. This reflects the actual parcels delivered to the Design-Builder by month compared to the Revised Baseline Schedule (RBS) Revision 3.

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

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

Construction Package	Total Needed Railroad Parcels January 31, 2022	Total Railroad Parcels Delivered to Date January 31, 2022	Remaining Railroad Parcels to be Delivered January 31, 2022
CP 4	29	29	0

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

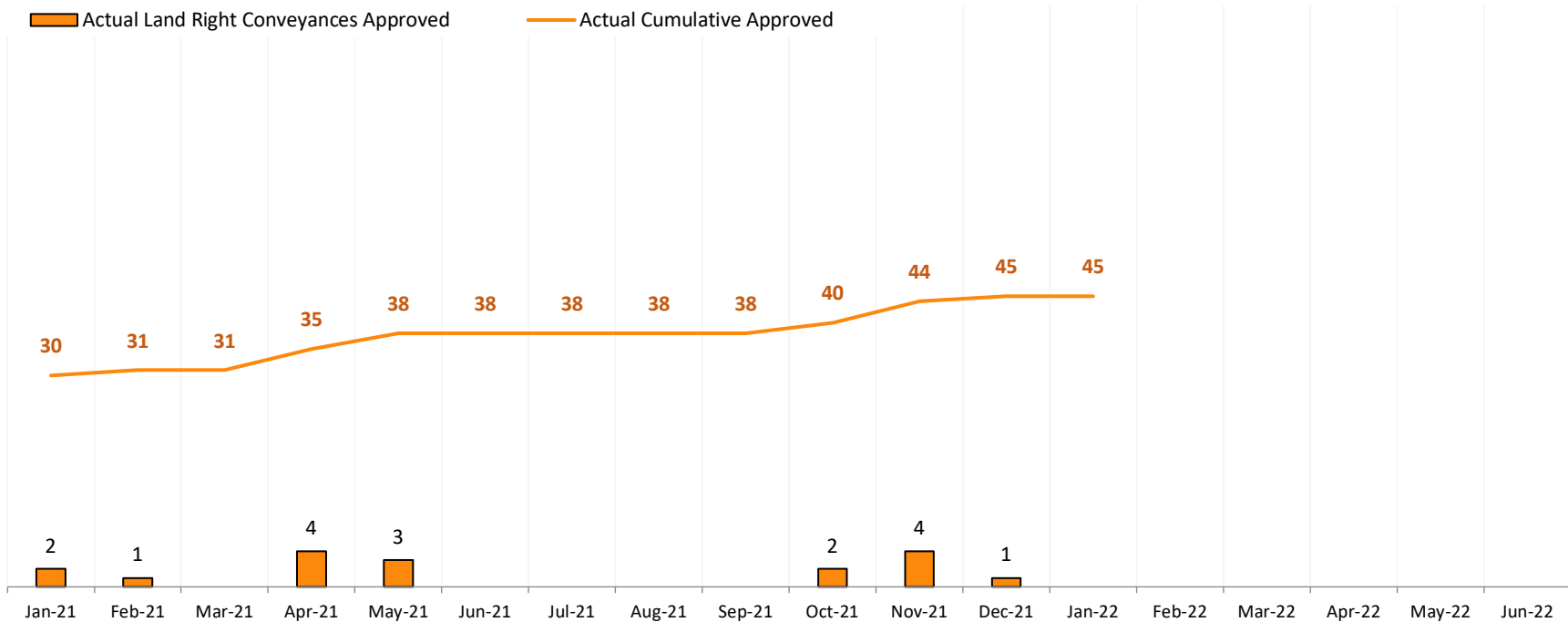


CP 4 – Tier 1 Land Right Conveyances Required Prior to Construction (PG&E, SCE, FID, FMFCD)

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

Construction Package	Total Needed Land Right Conveyances January 31, 2022	Total Land Right Conveyances Approved ⁽²⁾ to Date January 31, 2022	Remaining Land Right Conveyances to be Approved January 31, 2022
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)

Number	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	
			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%
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 79%	Jul-22 Jul-22 ¹ 82%	Jun-22	Jul-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%	Jun-22 Apr-22 88%	Jun-22 Apr-22 90%	Apr-22	Apr-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%	May-23 May 23 72%	May-23 May-23 74%	Jun-24 Jun-24 0%	Jun-24 Jun-24 ² 0%	Jun-24	Jun-24
4	Palmdale to Burbank	Plan Forecast % Complete	Complete Complete 100%	Complete Complete 100%	Complete Complete 100%	Complete Complete 100%	Complete Complete 100%	Complete Complete 100%	Mar-22 Feb-22 96%	May-22 May-22 97%	Dec-22 Mar-23 0%	Jun-23 Jun-23 ³ 0%	Jun-23	Jun-23
5	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:**
- The San Francisco to San Jose to Merced ROD schedule was updated to include a one-month extension for additional effort to prepare the Final EIR/EIS resulting in the forecast for Board consideration of the NOD/ROD in July 2022.
 - The Los Angeles to Anaheim project segment completion dates are extended due to additional discussions with various stakeholders, such as BNSF, the City of Colton, and the Lenwood community.
 - The release of the Draft EIR/EIS for Palmdale to Burbank was extended to May 2022 due to additional time needed to prepare the document for release

Project Development – Key Actions

Project Development – Key Actions Summary

Project Section	Key Actions
San Francisco to San Jose	<p>Final Environmental Impact Report/Environmental Impact Statement (EIR/EIS) #1 was submitted and reviewed by NEPA Assignment Team (NAT)/Environmental Services (ES)/Legal.</p> <p>Preliminary comments from Federal Railroad Administration (FRA) regarding the Draft General Conformity Determination (GCD) were addressed.</p>
San Jose to Merced	<p>Final EIR/EIS was signed by Authority Chief Executive Officer (CEO) on January 14 in preparation for February 25, 2022 publication.</p> <p>Draft Individual Section 4(f) Evaluation submitted to Santa Clara County on January 7 for 45-day review.</p> <p>Draft Final GCD prepared for FRA review after two supportive comments were received during public comment period.</p>
Central Valley Wye	<p>Permitting for the Central Valley Wye will progress following Board action on the Merced and Bakersfield extensions.</p> <p>Conducted monthly progress meetings with City of Chowchilla and County of Madera on Fairmead mitigation projects.</p>
Locally Generated Alternative	<p>Permitting for the Locally Generated Alternative will progress following Board action on the Merced and Bakersfield extensions.</p>
Bakersfield to Palmdale	<p>Work through Notice of Determination/Record of Decision (NOD/ROD) has been completed. However, the Authority, Rail Delivery Partner (RDP), and Regional Consultants (RC) have continued to meet with key stakeholders (e.g., Center for Biological Diversity), as necessary.</p>
Palmdale to Burbank	<p>Continued working to complete Step 6; held Page Turn follow-up workshops to conclude all outstanding comments and subsequently set the document freeze date on January 28. Will commence Step 7 Required Approval Sequence.</p>
Burbank to Los Angeles	<p>The Authority Board of Directors approved the Final EIR/EIS on January 20, 2022.</p>
Los Angeles to Anaheim	<p>Continued integrating additional revised environmental deliverables from Burlington Northern Santa Fe Corporation (BNSF) pertaining to the Colton and Lenwood project components into the assembled Administrative Draft EIR/EIS.</p> <p>Continued draft Preliminary Engineering for Project Definition (PEPD) reviews with external stakeholders.</p>