



Finance & Audit Committee

CENTRAL VALLEY STATUS REPORT

April 2022 Report (data through February 2022)

Executive Summary

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

- February 2022 Expenditures totaled \$48.5M:
 - Construction Package 1 – Expenditures totaled \$21.3M.
 - Construction Package 2-3 – Expenditures totaled \$17.7M.
 - Construction Package 4 – Expenditures totaled \$9.5M.
- Total CP Cumulative Actual Expenditures (Pages 15, 24, and 33) – \$3,787.6M.
- Total Cumulative Current Contract Amount (Pages 15, 24, and 33) – \$5,567.2M.

Change Orders

- Executed Change Orders this period – 32 for a total of \$69.8M:
 - Construction Package 1 – 16 for a total of \$57.1M (Page 17).
 - Construction Package 2-3 – 13 for a total of \$8.3M (Page 26).
 - Construction Package 4 – Three for a total of \$4.4M (Page 35).

Risk Contingency ([Page 6](#))

- Original Contract Contingency – \$4,000.7M budgeted contract contingency. Contingency balance is \$1,513.0M as of February 28, 2022.
 - Construction Package 1 (Page 18) – \$1,944.5M budgeted contract contingency. Contingency balance is \$698.1M as of February 28, 2022.
 - Construction Package 2-3 (Page 27) – \$1,638.4M budgeted contract contingency. Contingency balance is \$679.9M as of February 28, 2022.
 - Construction Package 4 (Page 36) – \$417.8M budgeted contract contingency. Contingency balance is \$135.0M as of February 28, 2022.

CP Design (Structures/Guideway)

- Expected completion of all CP 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).
 - Construction Package 4 – 14 of 14 total design packages cleared for construction.

CP Construction Labor ([Page 7](#))

- February 2022, Average Daily Site Workers (by Week) – 906 workers. An increase of 104 workers from the previous period (from 802):
 - Construction Package 1 (Page 19) – 246 workers. An increase of 15 workers from the previous month (231).
 - Construction Package 2-3 (Page 28) – 476 workers. An increase of 55 workers from the previous month (421).
 - Construction Package 4 (Page 37) – 184 workers. An increase of 34 workers from the previous month (150).
- Daily Average Contracted CP Employees Quarantined for COVID-19 in February 2022 – 10. An decrease of 41 from the daily average of 51 in January 2022.

- 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 8](#))

- 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. No change 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 ([Page 9](#))

- Relocated: 786 (43%); In Progress: 442 (24%); Approved to Start: 97 (5%); Not Started: 525 (28%); Total: 1,850. Eighteen relocated in February 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: 333 (33%); In Progress: 373 (38%); Approved to Start: 0 (0%); Not Started: 286 (29%); Total: 992.
 - Construction Package 2-3 – Relocated: 378 (54%); In Progress: 48 (7%); Approved to Start: 60 (9%); Not Started: 208 (30%); Total: 694.
 - Construction Package 4 – Relocated: 75 (46%); In Progress: 21 (13%); Approved to Start: 37 (22%); Not Started: 31 (19%); Total: 164.

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

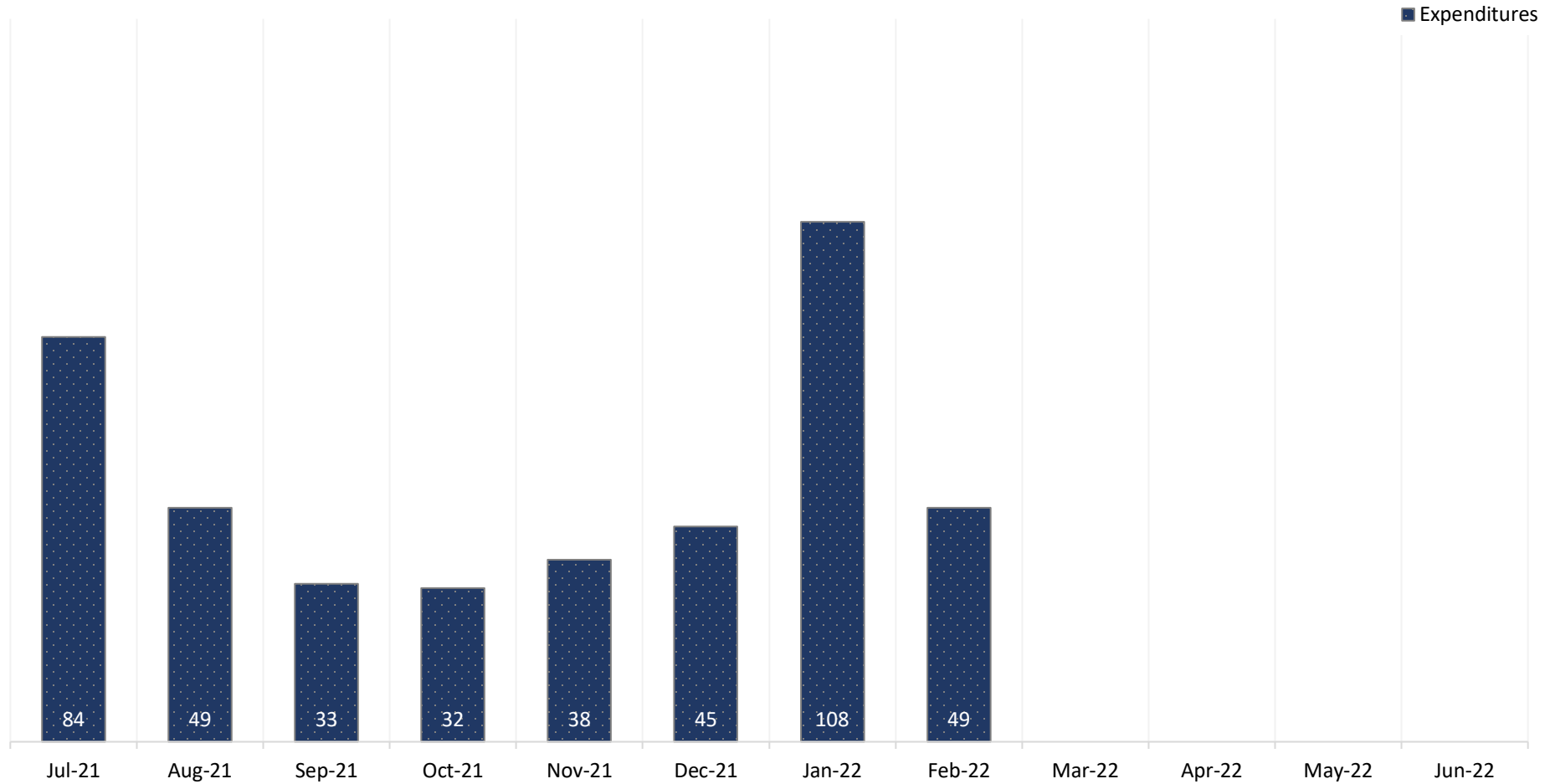
- Total Parcels Delivered to Date – 2,069 parcels compared to an estimated 2,291 parcels needed.
- Parcels Delivered to Design-Builder (DB) – 20 parcels in February 2022.
- Construction Packages 1-4 – Five parcels added due to optimized design. The Authority continues to receive requests for additional 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 – One parcel.
- Total Railroad Parcels Delivered to Date – 123 parcels delivered compared to an estimated 168 total railroad parcels needed.
- Land Right Conveyances (Tier 1, Prior to Construction):
 - Five land right conveyances approved.
 - To date, the Authority received approval on 640 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) submitted Final Environmental Impact Report/Environmental Impact Statement (EIR/EIS) #2 and NEPA Assignment Team (NAT)/Environmental Services (ES)/Legal completed reviews. Conducted Director’s Briefing on Final EIR/EIS on February 18, 2022. Release of Final EIR/EIS slated for Second Quarter of 2022.
- San Jose to Merced – Final EIR/EIS was published on February 25, 2022. United States Army Corps of Engineers (USACE) provided conditional Section 408 preliminary determination February 18, 2022. EIR/EIS on track for April 2022 Board consideration and approval.
- Bakersfield to Palmdale – Work through Notice of Determination/Record of Decision (NOD/ROD) has been completed. Continued meeting with key stakeholders (Center for Biological Diversity).
- Palmdale to Burbank – Commenced Step 7 - Required Approval Sequence; preparations for the Authority’s Chief Executive Officer (CEO) Approval was initiated; the document was submitted to Environmental Services, Legal Sufficiency and NEPA Assignment Coordinator for approval. During the reporting period the schedule incurred a 3-week delay (the start of the Public Comment period was moved to March 25, 2022 and the Director of Environmental Services informed staff the Comment Period would be extended to 60 days). At the end of the reporting period, a risk emerged related to validating costs (as per the CEO), and that effort would require multiple weeks to complete and will extend the start of the Public Comment period to May 2022.
- Burbank to Los Angeles – The Authority 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)

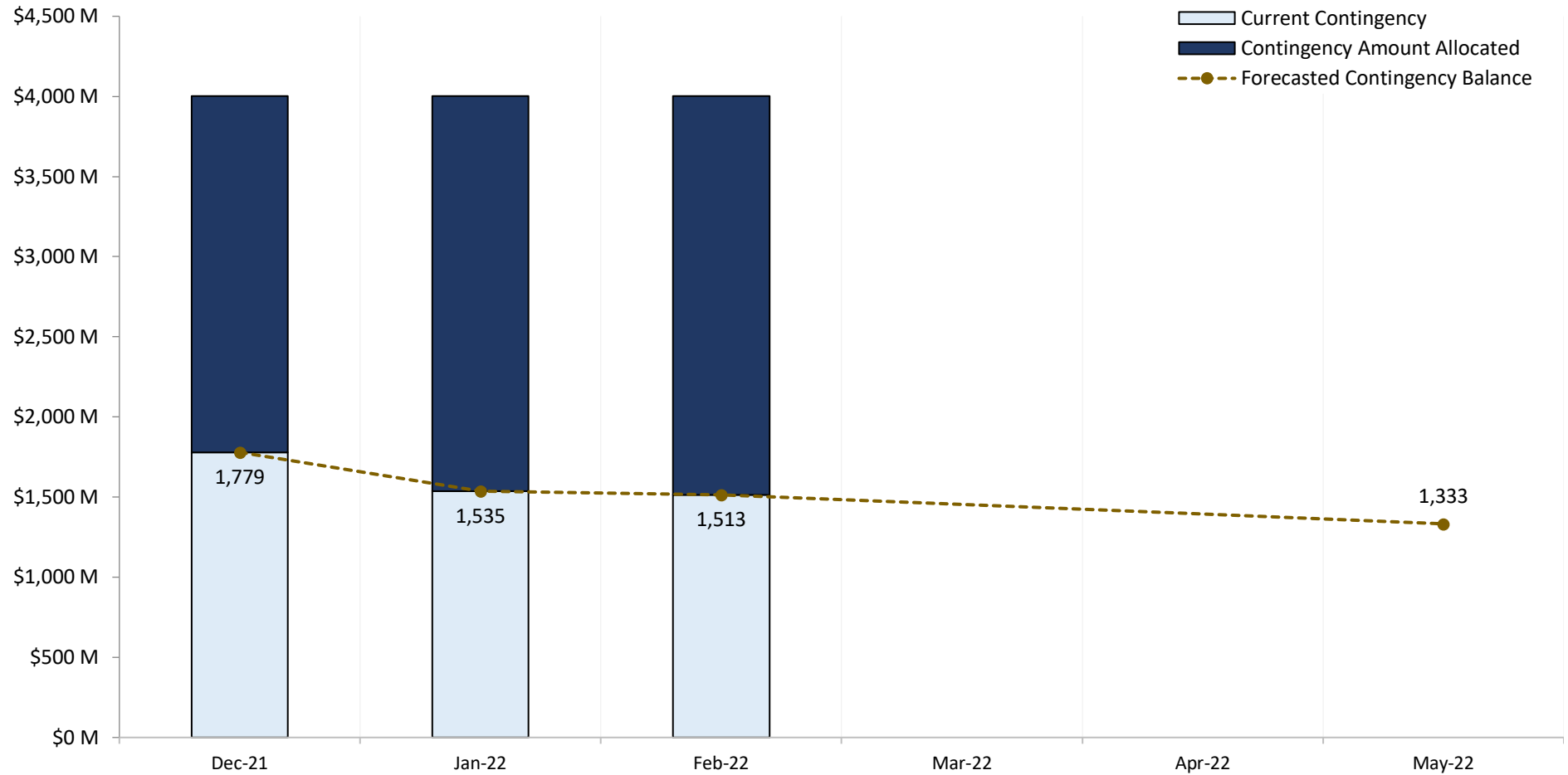


Notes:

1. Expenditures in the chart above are specific to the Design-Builder production and based on the Capital Outlay and Expenditure Report.
2. February 2022 Expenditures totaled \$48.5M:
 - a. Construction Package 1 – Expenditures totaled \$21.3M.
 - b. Construction Package 2-3 – Expenditures totaled \$17.7M.
 - c. Construction Package 4 – Expenditures totaled \$9.5M.

CP 1-4 – Risk Contingency

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

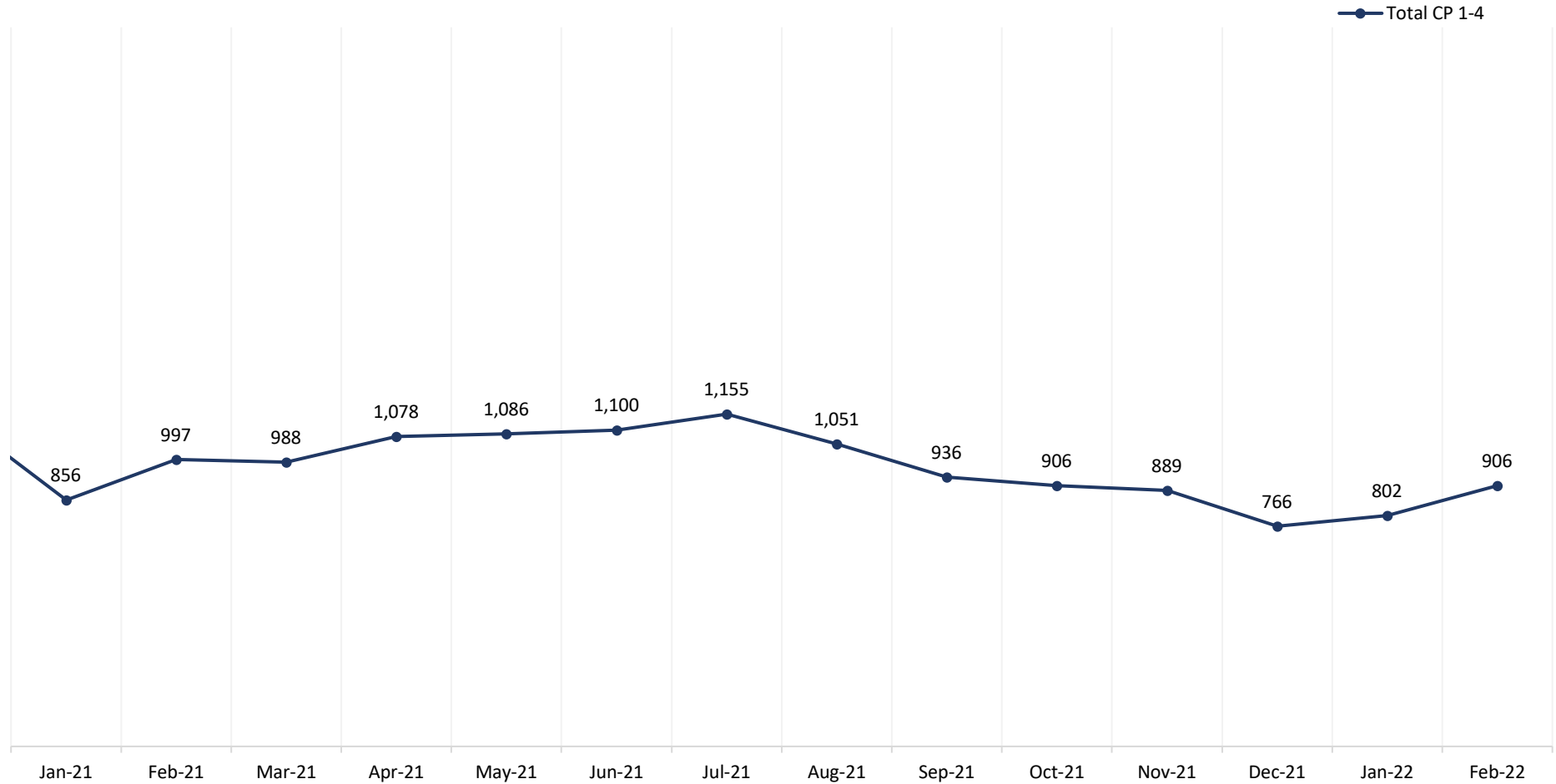


Notes:

1. Program baseline is \$4,000.7M.
2. Contingency balance updated to reflect the Board’s adoption of Resolution #HSR21-11 (Expenditure Authorization Increase).
3. Contingency Amount Allocated reflects all executed change orders and Business Oversight Committee (BOC) approved items for all CPs.
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 – Construction Labor

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

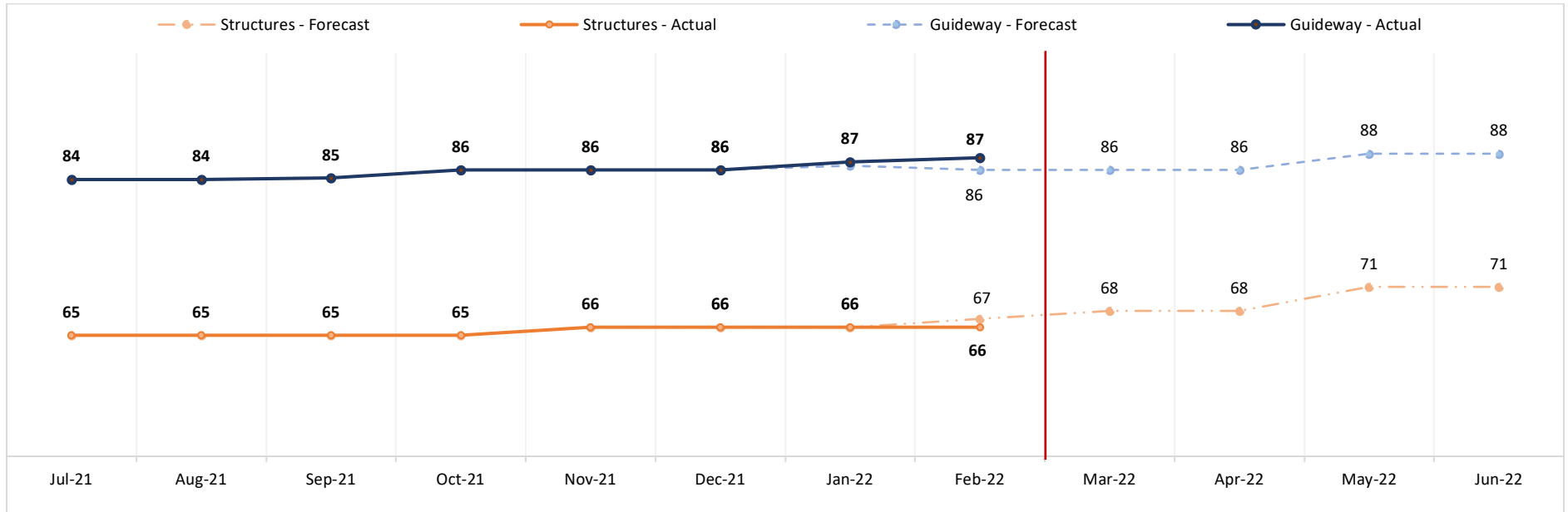


Notes:

1. The construction labor numbers (full-time employees) are based on the weekly totals divided by the number of weeks within the working calendar month and represents the Average Daily Site Workers (by week).
2. February 2022, Average Daily Site Workers (by week) – 906 workers. An increase of 104 workers from the previous period (from 802):
 - a. Construction Package 1 (Page 19) – 246 workers. An increase of 15 workers from the previous month (231).
 - b. Construction Package 2-3 (Page 28) – 476 workers. An increase of 55 workers from the previous month (421).
 - c. Construction Package 4 (Page 37) – 184 workers. An increase of 34 workers from the previous month (150).

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:

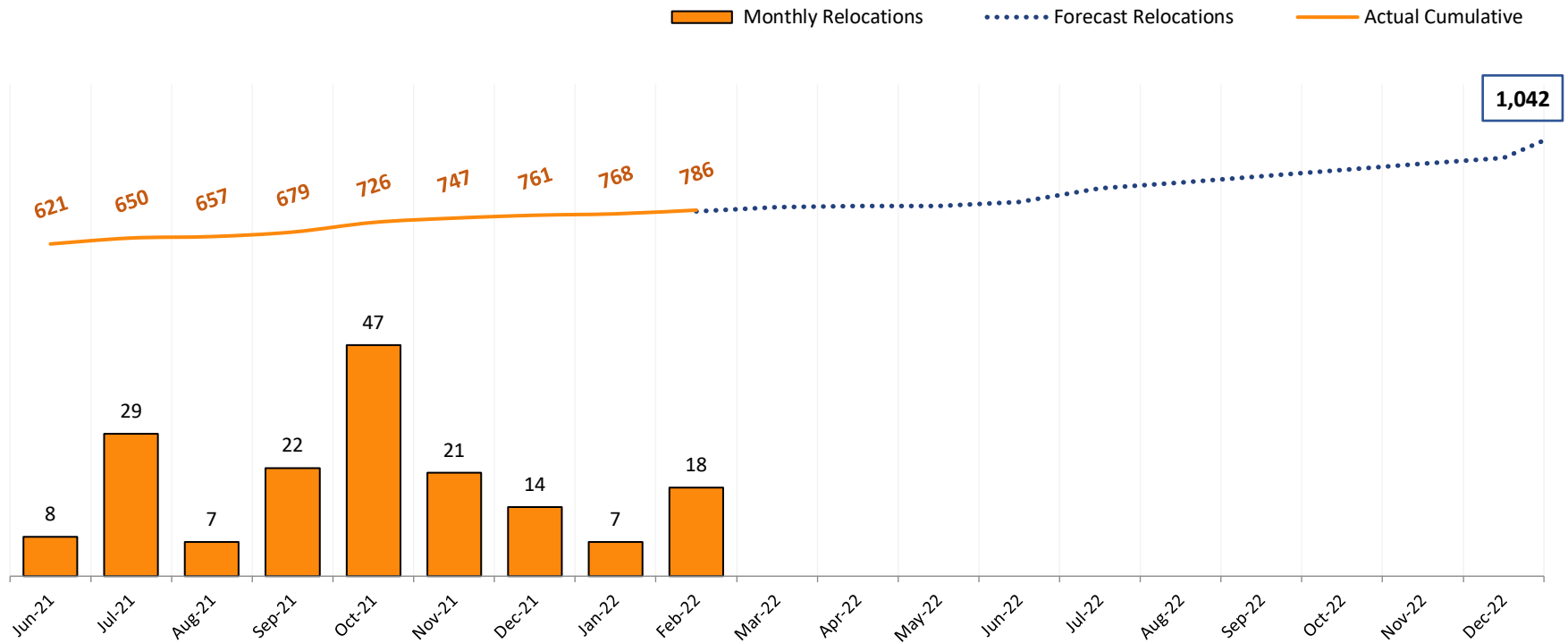
- The chart above incorporates provisional forecast numbers pending submission and approval of Revised Baseline Schedules (RBS) Revision 3.
- Total Structures: 93.
- Total Guideway: approximately 119 miles.
- Structures – 66 underway/Construction complete compared to 93 structures total. No change from the previous period:
 - CP 1 – 26 structures underway/Construction complete.
 - CP 2-3 – 29 structures underway/Construction complete. CP2-3 delay at SR43 Curved Bridge due to environmental survey taking longer than anticipated. Delays caused by additional measures needed to trap and relocate animals. Schedule has been pushed to mid-April 2022.
 - CP 4 – 11 structures underway/Construction complete.
- Guideway – 87 miles underway/Construction complete compared to 119 miles total. No change from the previous period.
 - CP 1 – 17 miles underway/Construction complete.
 - CP 2-3 – 48 miles underway/Construction complete.
 - CP 4 – 22 miles underway/Construction complete.

CP 1-4 – Utility Relocations

CP 1-4 – Utility Relocation Summary

Construction Package	Total Relocations February 28, 2022	Total Utilities Relocated to Date February 28, 2022	Remaining Utility Relocations February 28, 2022
CP 1	992	333	659
CP 2-3	694	378	316
CP 4	164	75	89
Total	1,850	786	1064

CP 1-4 – Utility Relocation Status Summary-Monthly



Notes:

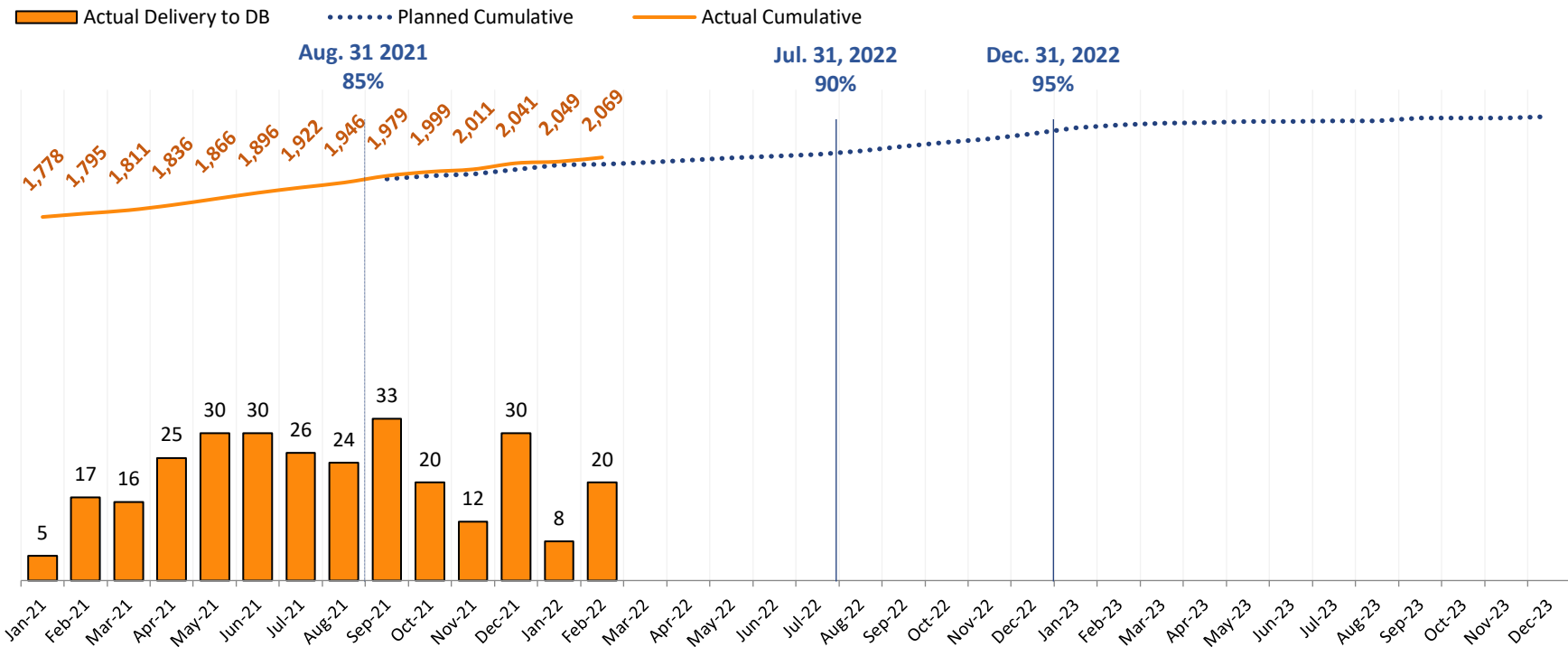
1. In Progress 442 (24%).
2. Approved to start 97 (5%).
3. Not Started 525 (29%).

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

CP 1-4 – Right-of-Way (ROW) Summary

Construction Package	Total Needed Parcels February 28, 2022	Total Parcels Delivered to Date February 28, 2022	Remaining Parcels to be Delivered February 28, 2022
CP 1	1,073	995	78
CP 2-3	979	874	105
CP 4	239	200	39
Total	2,291	2,069	222

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



Notes:

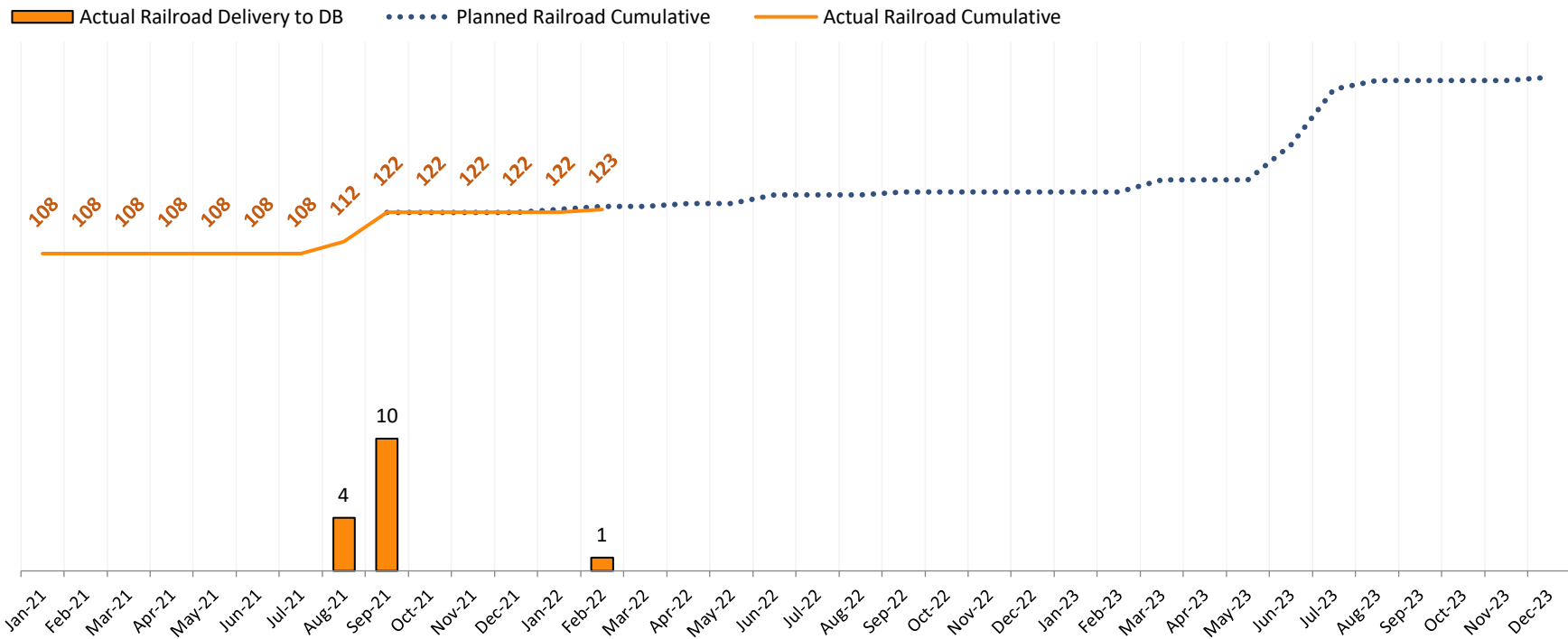
1. This reflects the actual parcels delivered to the Design-Builder by month compared to the planned delivery schedule which identifies 90% and 95% milestone completion for CP 1-4. The 90% and 95% milestone completion does not include any additional parcels that may be added.
2. Five parcels added to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

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

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

Construction Package	Total Needed Railroad Parcels February 28, 2022	Total Railroad Parcels Delivered to Date February 28, 2022	Remaining Railroad Parcels to be Delivered February 28, 2022
CP 1	83	57	26
CP 2-3	56	37	19
CP 4	29	29	0
Total	168	123	45

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



Notes:

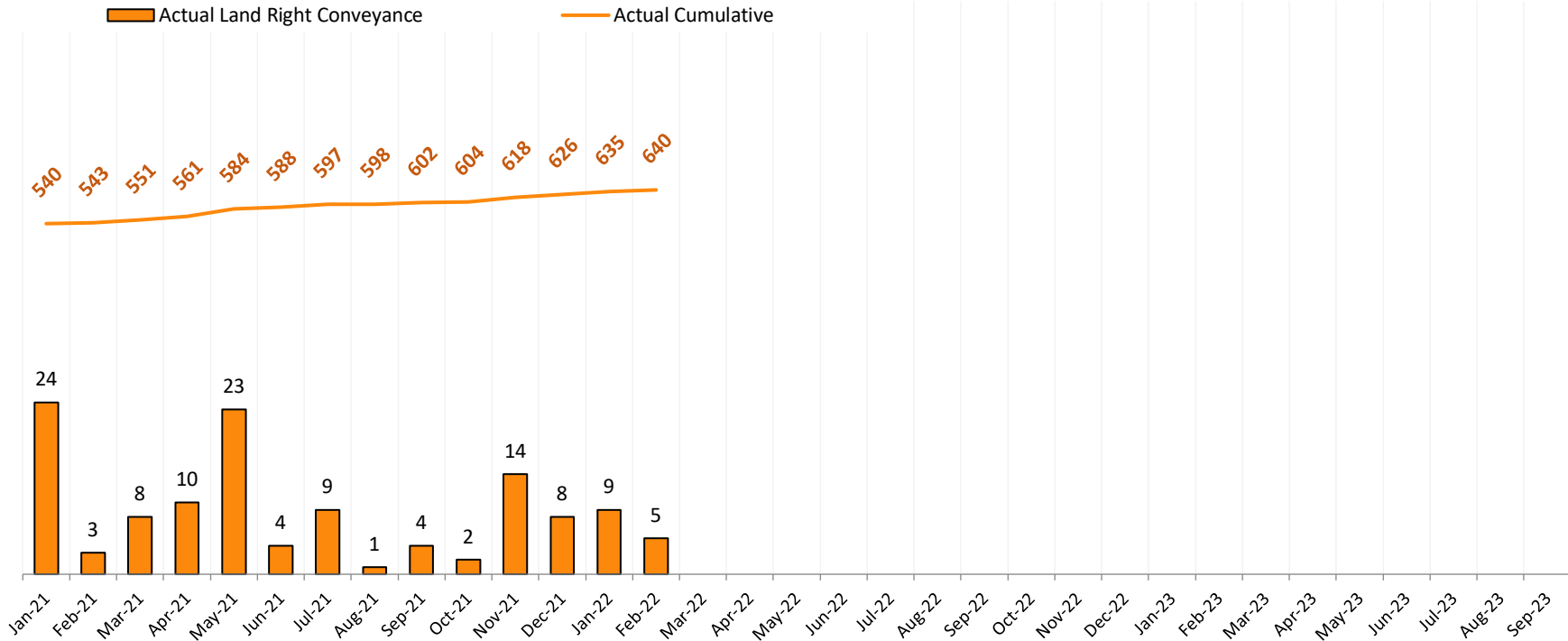
1. The Planned Cumulative line for Railroad Parcel Delivery reflects Revised Baseline Schedule (RBS) Revision 3.
2. Two parcel delivery dates being reforecast, not impacting the critical path.

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 February 28, 2022	Total Land Right Conveyances Approved ⁽³⁾ February 28, 2022	Remaining Land Right Conveyances to be Approved February 28, 2022
CP 1	393	336	57
CP 2-3	433	259	174
CP 4	88	45	43
Total	914	640	274

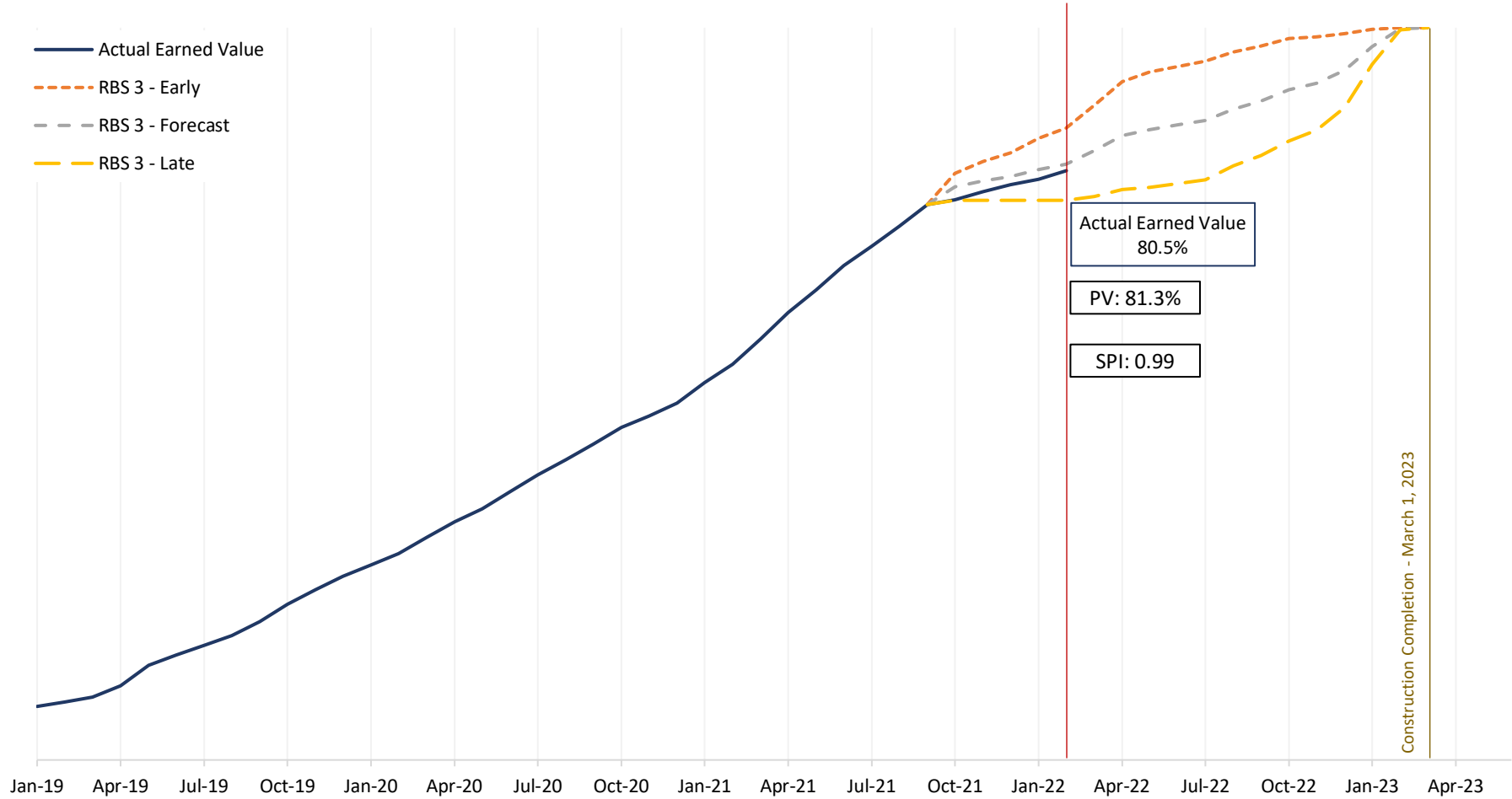
CP 1-4 – Tier 1 Land Right Conveyances Required Prior to Construction (PG&E, SCE, FID, FMFCD) Summary



- 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.
 3. 46 Land Right Conveyances no longer needed prior to construction. The Authority entered into an agreement with Fresno Metropolitan Flood Control District (FMFCD) that allows construction to take place prior to land conveyance.

CP 4 – Earned Value

CP 4 – Earned Value Summary (%)

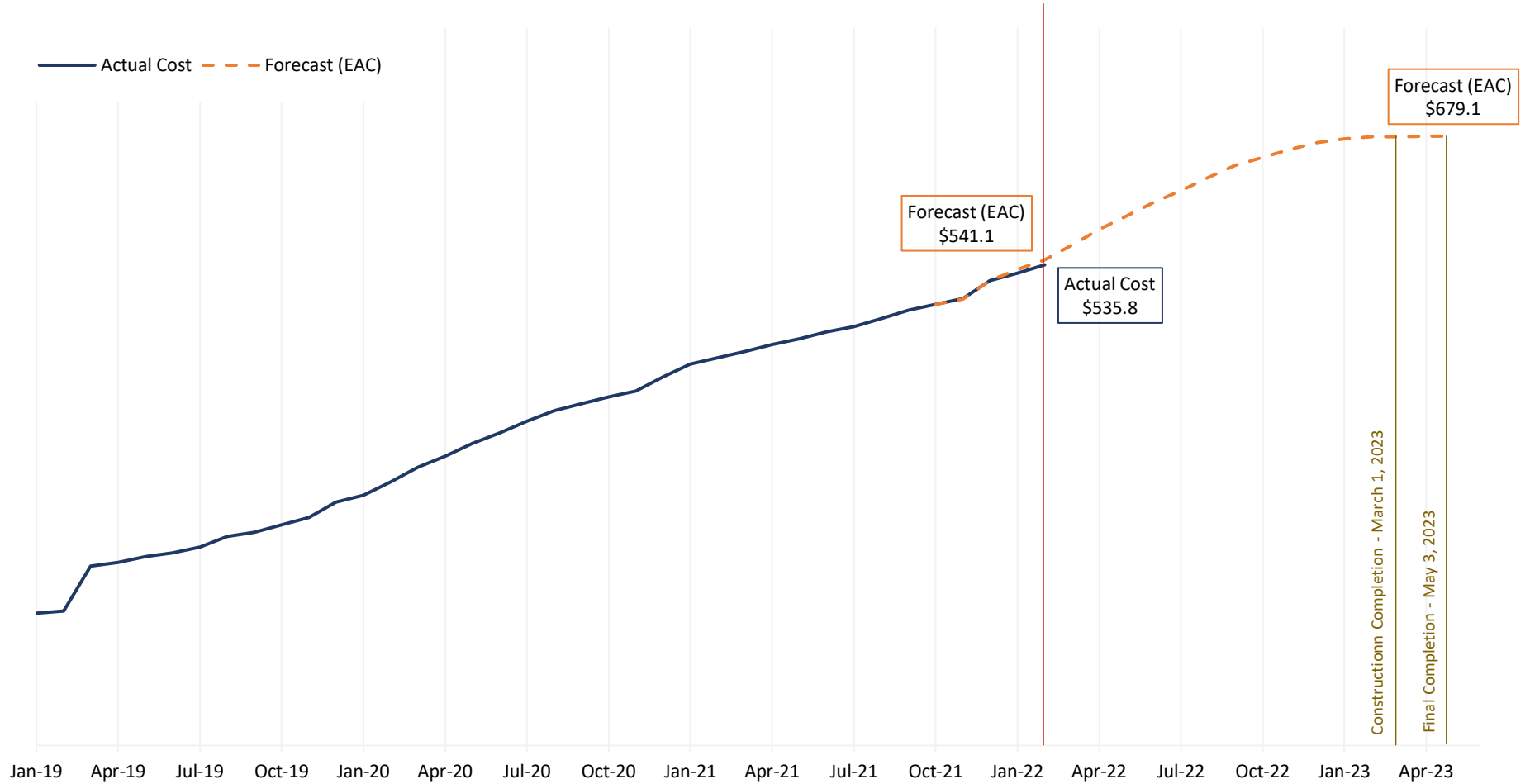


Notes:

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 February 28, 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

CP 1 – Design-Build Contract Summary⁽¹⁾

Milestones

Milestone	Date
Request for Quote (RFQ) Date:	11/15/2011
Statement of Qualification (SOQ) Date:	12/19/2011
Request for Proposal (RFP) Date:	03/22/2012
Proposal:	01/18/2013
Bid Open Date:	04/13/2013
Award Date:	08/16/2013
Notice to Proceed (NTP) 1 Date:	10/15/2013
Notice to Proceed (NTP) 2 Date:	11/22/2013
Notice to Proceed (NTP) 3 Date:	07/11/2014
Original Completion Date:	03/31/2018
Current Forecast Contract Completion Date ⁽²⁾ :	03/04/2024
Current Forecast Construction Completion Date⁽³⁾:	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:	\$1,643,767,161.67
Current Contract Amount:	\$2,666,755,161.67
Approved Invoices to Date:	\$1,747,382,308.43
Remaining Contract Balance:	\$919,372,853.24

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 02/28/2022):	3,058

Expended to Date

Description	Percentage
Time:	82.0%
Dollars:	65.5%

Growth Percentage

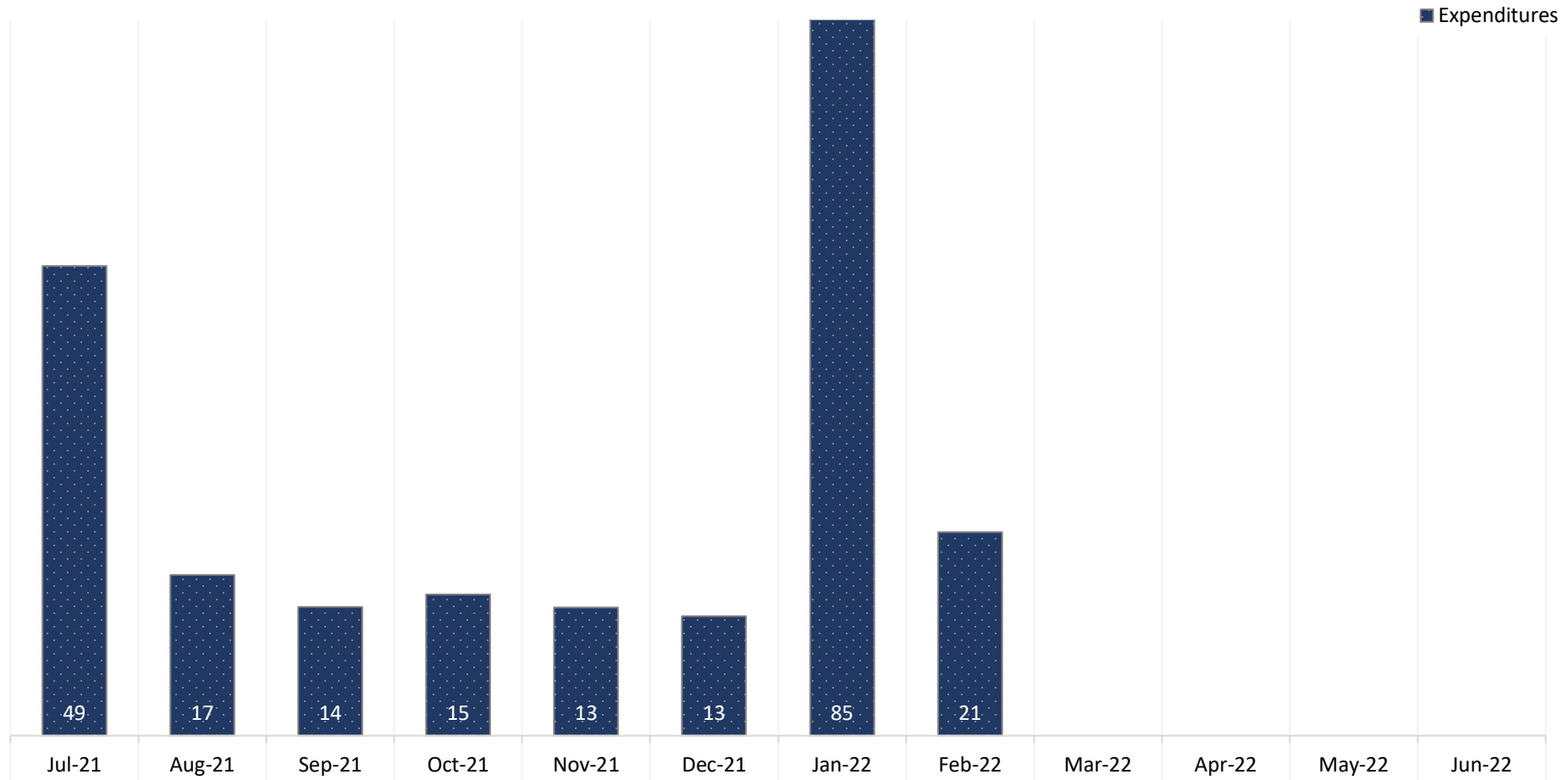
Description	Percentage
Time:	128.9%
Dollars:	160.7%

Notes:

- Information in this section is coming from data provided by the PCM – Monthly Status Report.
- Updated to align with Current Forecast Contract 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 Contract Days), Expended to Date (Time), and Growth Percentage (Time) calculation is based on the Current 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 \$21.3M.

CP 1 – Change Orders (CO)

CP 1 – Change Order Status

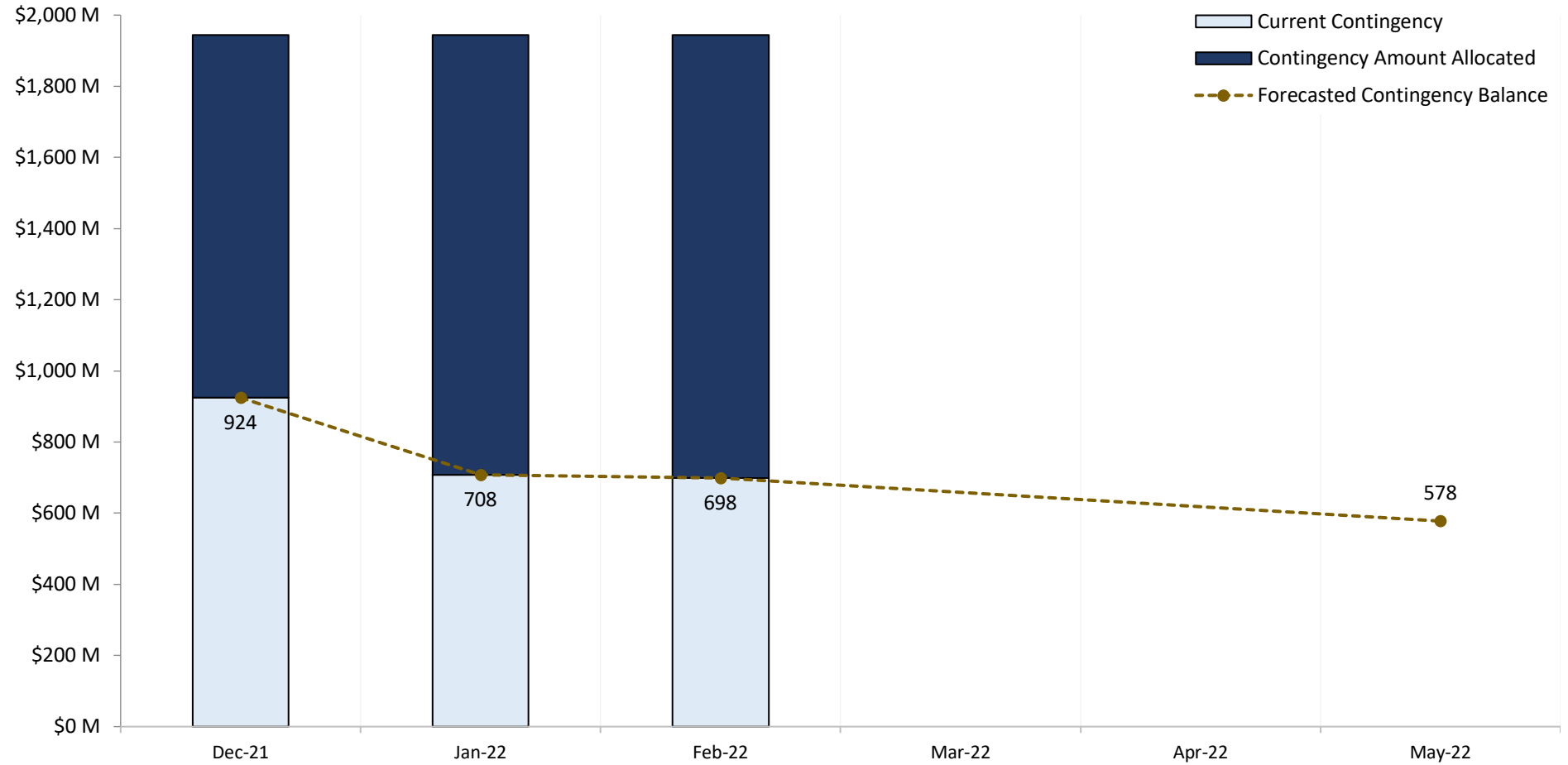
CO Number	Title	Change Status	Amount	Executed Date
00167.01	Additional design impacts for Utility Relocations to accommodate UPRR CTC - Design	Executed	\$185,387.00	02-16-22
00365	Golden State Boulevard General Design Detail Deal Points - Construction	Executed	\$28,229,153.00	02-28-22
00367	Golden State Boulevard Realignment - Construction	Executed	\$19,212,645.00	02-28-22
00374	Downtown Shoofly Changes - Track Material Procurement and Installation	Executed	\$2,186,018.00	02-18-22
00401	Design Changes due to Rescinded DL-0073, G Street Realignment	Executed	\$137,572.00	02-22-22
00402	COF Requirement for ITS at Various Signal Locations - Design	Executed	\$122,852.00	02-22-22
00407	COF Water Main Change along Weber Avenue at Pine and West	Executed	\$16,706.00	02-16-22
00409	COF Water Riser Pipes PVC to DIP - Design	Executed	\$164,520.00	02-28-22
00411	Muscat Basin Redesign	Executed	\$25,521.00	02-22-22
00412	COF Water Design for Church Ave and Golden State Blvd	Executed	\$46,657.53	02-16-22
00413	Guideway Construction for Caltrans SR-99 Portion between Clinton and Ashlan Avenues - Design	Executed	\$3,272,847.00	02-16-22
00414	Relocate Temp Signal to Road 27, Club Drive during Road 26 Closure	Executed	\$20,000.00	02-16-22
00415	G Street Full Street improvements between California and Cherry (Cell Tower Site) - Design	Executed	\$94,072.00	02-16-22
00416	FID Access at Cole Branch South No 40 Realignment due to UPRR Comments - Design	Executed	\$71,969.00	02-16-22
00418	FMFCD Parcel MF-10-0015 (Jim Shehadey) Interface with GSB at Kathryn Avenue	Executed	\$23,486.00	02-16-22
00419	Additional Scope Items (Elevated Structures and Trenches)	Executed	\$3,303,399.00	02-24-22
TOTAL			\$57,112,804.53	

Notes:

1. Change Order (CO) Number 00413 totaled \$4,272,847.00, but \$1M of this amount was included in CO 00309 for the Design Builder (DB) to start design work and minimize delays and was reflected in the July 2020 CVSR.
2. Change Order (CO) Number 00419 totaled \$4,303,399.00, but \$1M of this amount was included in CO 00316 for the Design Builder (DB) to start design work and minimize delays and was reflected in the July 2020 CVSR.

CP 1 – Risk Contingency

CP 1 – Risk Contingency Status (\$ Millions)

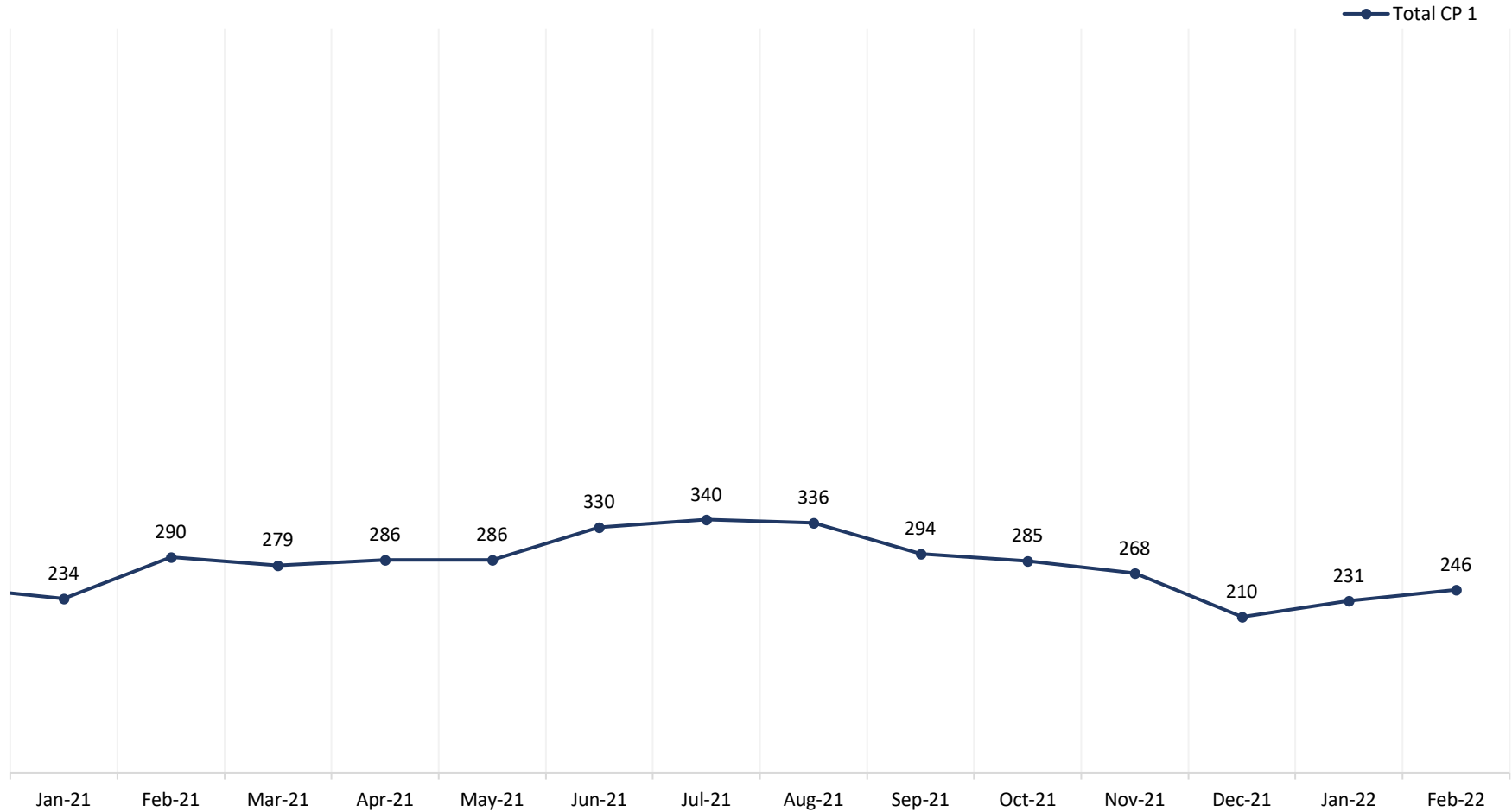


Notes:

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)

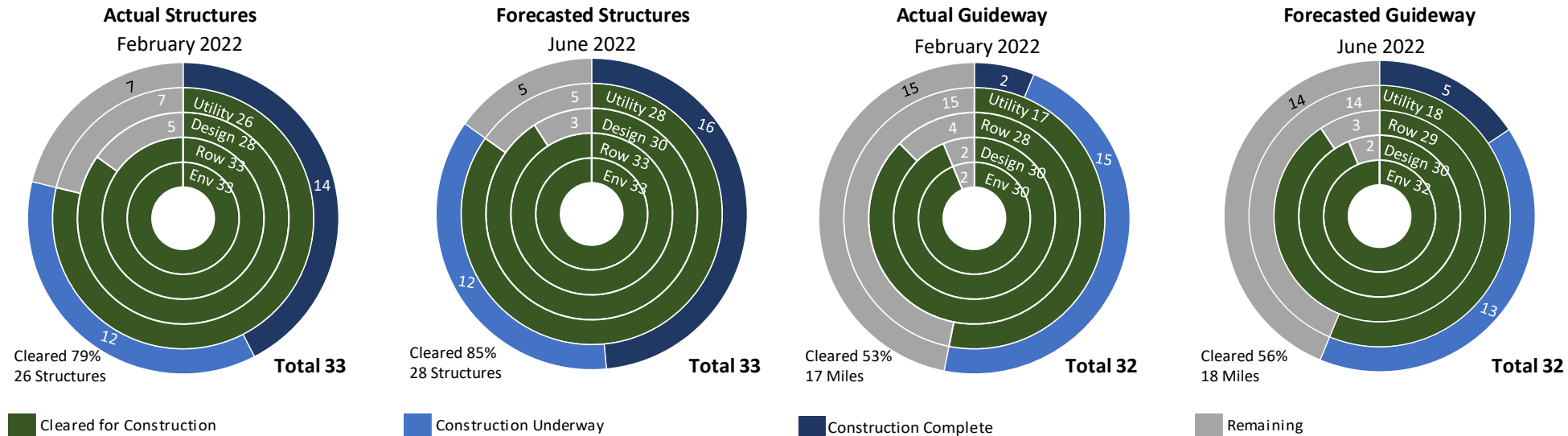


Notes:

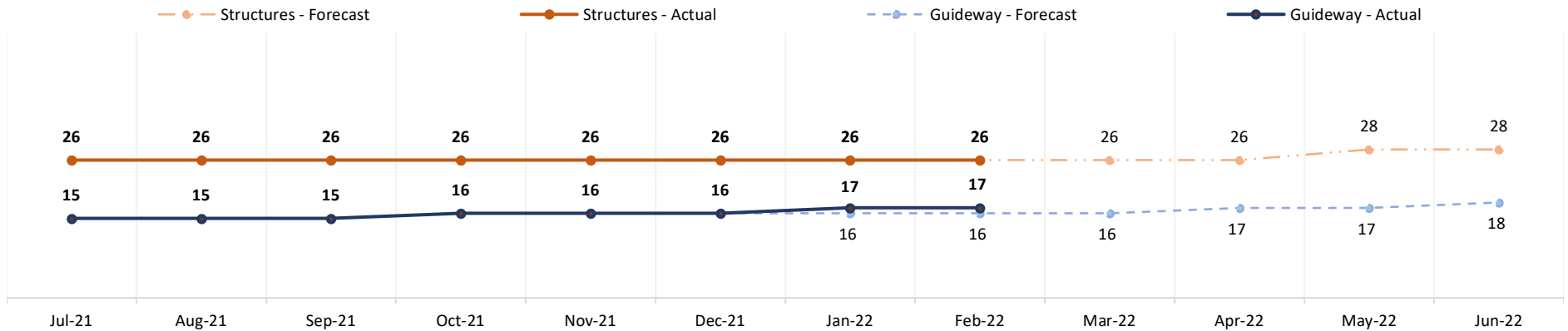
1. The construction labor numbers (full-time employees) are based on the weekly totals divided by the number of weeks within the working calendar month and represents the Average Daily Site Workers (by week).
2. An increase of 15 workers from the previous month (231).

CP 1 – Construction Progress

CP 1 – Construction Progress



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



Notes:

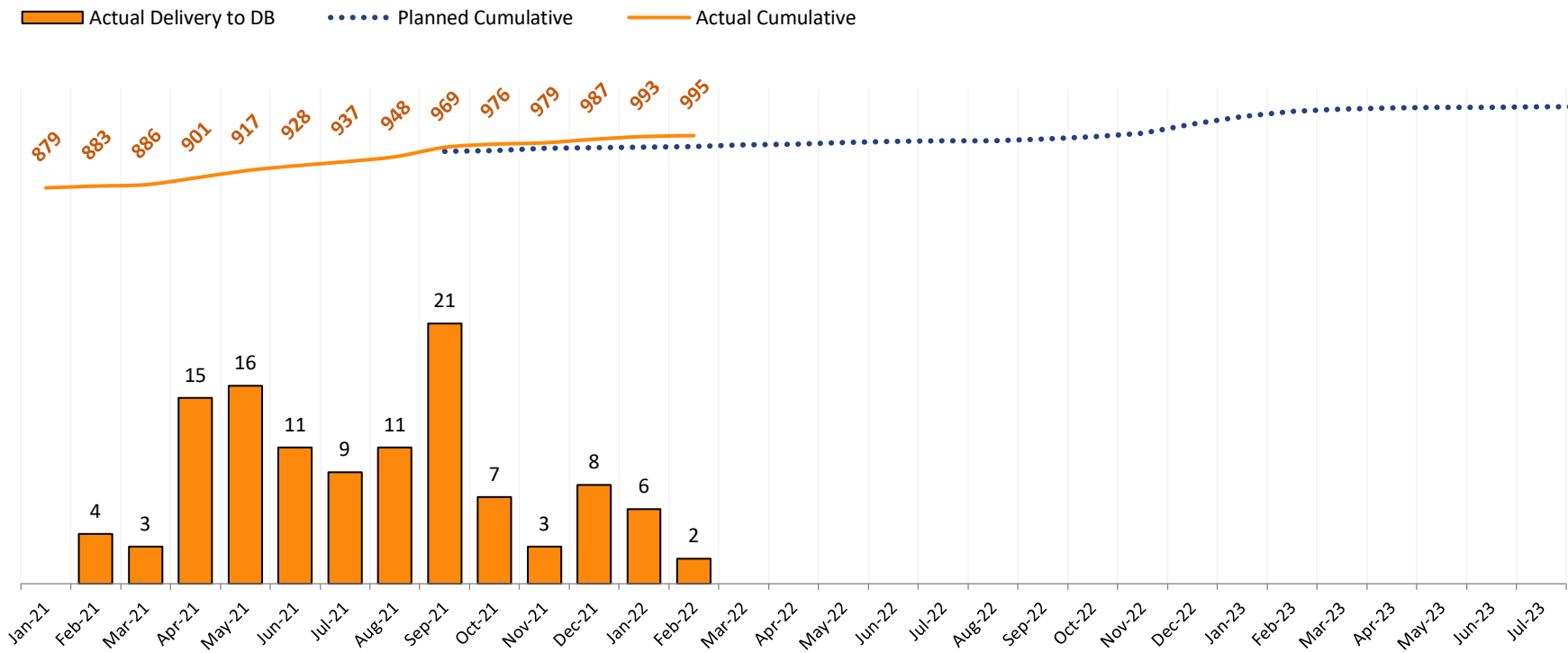
1. The circle charts above incorporate Revised Baseline Schedules (RBS) Revision 3 data pending approval.
2. The line chart above incorporates provisional forecast numbers pending submission and approval of RBS Revision 3.
3. Total Structures: 33:
 - a. 26 structures underway/Construction complete.
4. Total Guideway: 32 miles:
 - a. 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 February 28, 2022	Total Parcels Delivered to Date February 28, 2022	Remaining Parcels to be Delivered February 28, 2022
CP 1	1,073	995	78

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



Notes:

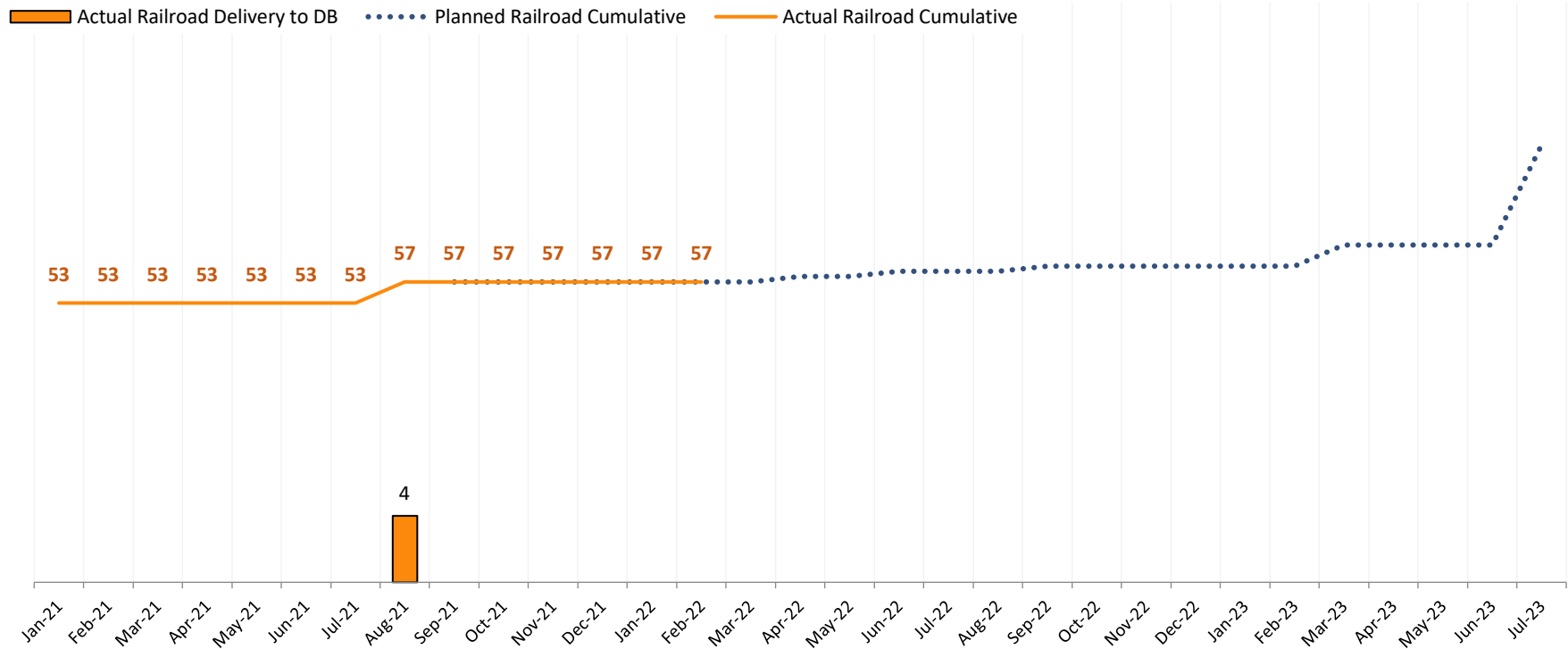
1. This reflects the actual parcels delivered to the Design-Builder by month and projection based on the Revised Baseline Schedules (RBS) Revision 3.
2. Three parcels added to Total Needed Parcels due to optimized design.

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

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

Construction Package	Total Needed Railroad Parcels February 28, 2022	Total Railroad Parcels Delivered to Date February 28, 2022	Remaining Railroad Parcels to be Delivered February 28, 2022
CP 1	83	57	26

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



Note:

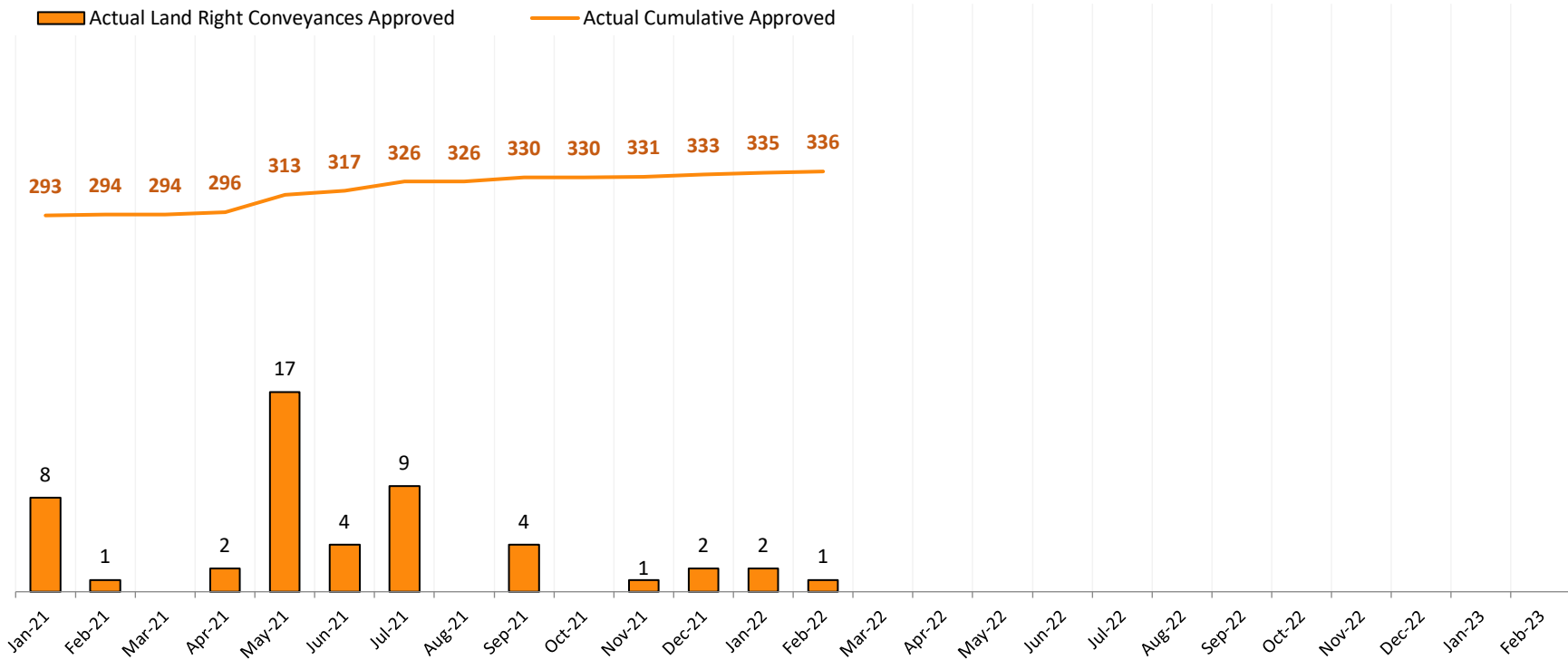
1. The Planned Cumulative line for Railroad Parcel Delivery reflects Revised Baseline Schedule (RBS) Revision 3.

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 February 28, 2022	Total Land Right Conveyances Approved ⁽²⁾ to Date February 28, 2022	Remaining Land Right Conveyances to be Approved February 28, 2022
CP 1	393	336	57

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.
3. 46 CP1 Land Right Conveyances no longer needed prior to construction. The Authority entered into an agreement with Fresno Metropolitan Flood Control District (FMFCD) that allows construction to take place prior to land conveyance.

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

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

Milestones

Milestone	Date
Request for Quote (RFQ) Date:	10/09/2013
Statement of Qualification (SOQ) Date:	12/13/2013
Request for Proposal (RFP) Date:	04/03/2014
Proposal:	10/30/2014
Bid Open Date:	12/11/2014
Award Date:	06/10/2015
Late Notice to Proceed (LNTP) Date:	06/12/2015
Notice to Proceed (NTP) Date:	07/25/2015
Original Completion Date:	08/19/2019
Current Forecast Contract Completion Date ⁽²⁾ :	03/06/2024
Current Forecast Construction Completion Date⁽³⁾:	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:	\$859,255,337.42
Current Contract Amount:	\$2,224,591,227.42
Approved Invoices to Date:	\$1,504,503,906.82
Remaining Contract Balance:	\$720,087,320.60

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 02/28/2022):	2,410

Expended to Date Percentage

Description	Percentage
Time:	78.2%
Dollars:	67.6%

Growth Percentage

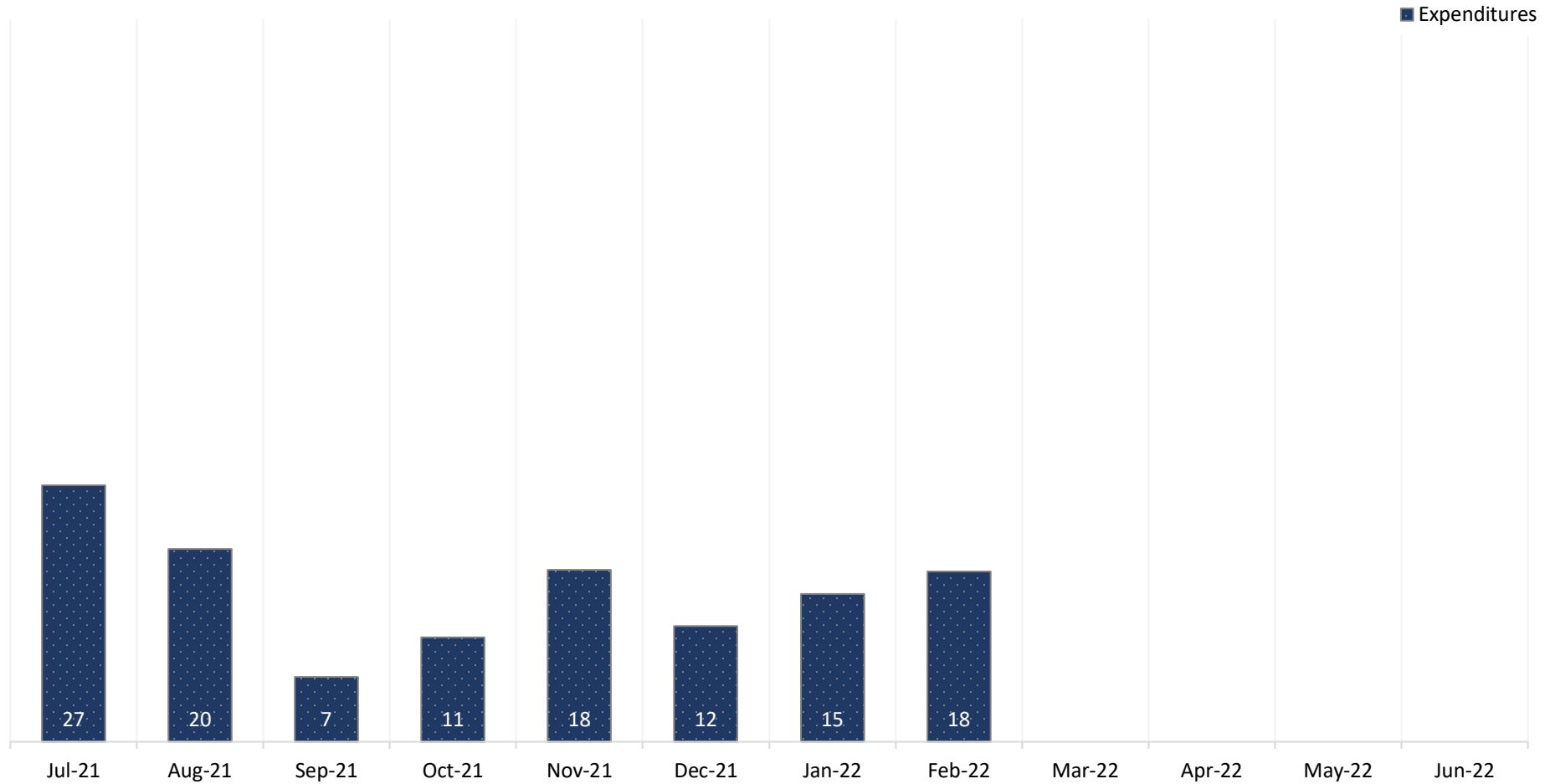
Description	Percentage
Time:	107.3%
Dollars:	62.9%

Notes:

- Information in this section is coming from data provided by the PCM – Monthly Status Report.
- Updated to align with Current Forecast Contract 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 Contract Days) Expended to Date (Time), and Growth Percentage (Time) calculation is based on the Current Construction Completion Date.

CP 2-3 – Design-Build Expenditures

CP 2-3 – Monthly Expenditures (\$ Millions)



Notes:

1. Expenditures in the chart above are specific to the Design-Builder production and based on the Capital Outlay and Expenditure Report.
2. Expenditures totaled \$17.7M.

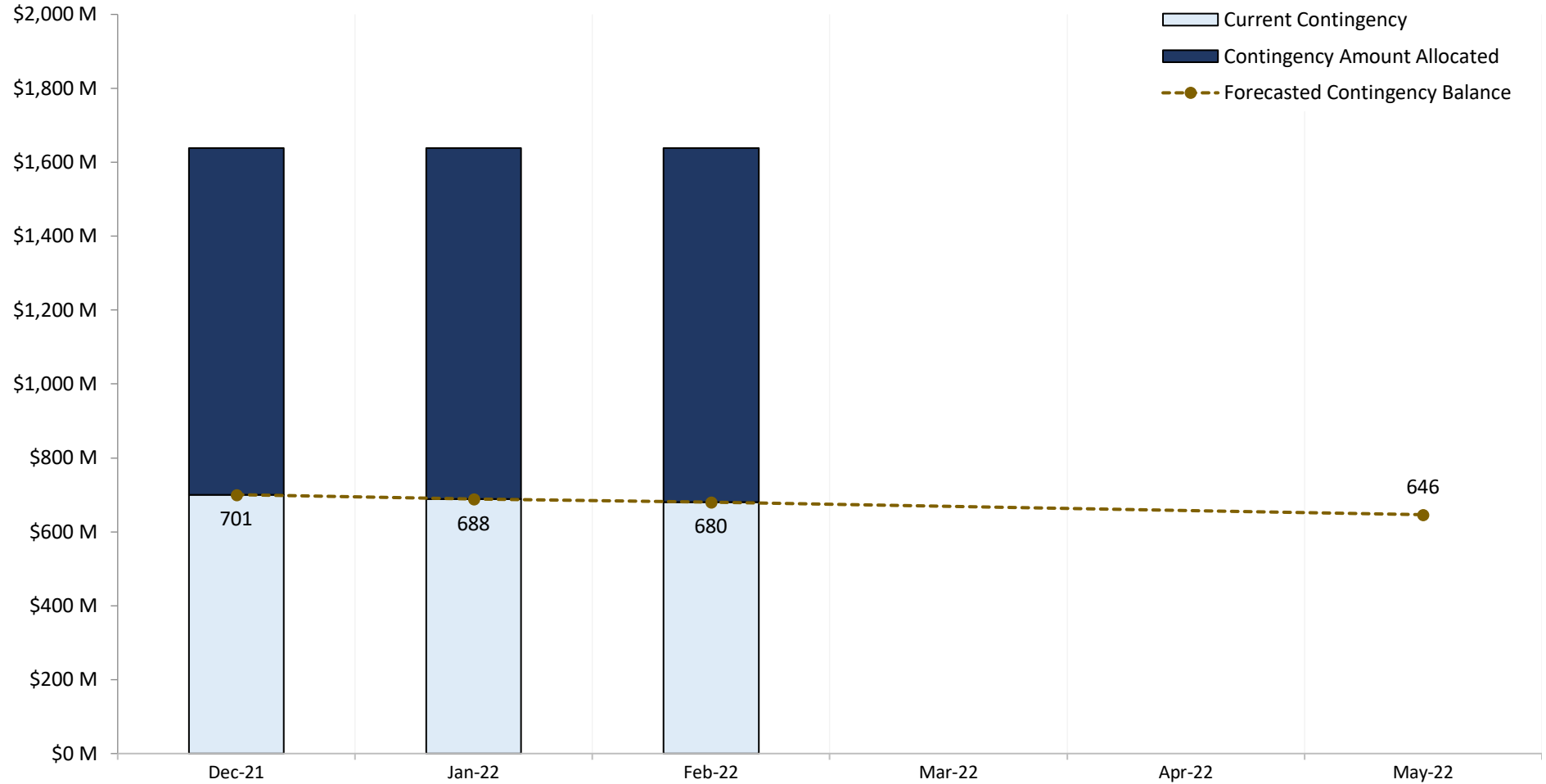
CP 2-3 – Change Orders (CO)

CP 2-3 – Change Order Status

CO Number	Title	Change Status	Amount	Executed Date
00237	Hanford Armona Ditch Rev SCE Conflicts	Executed	\$3,455	21-Feb-22
00277	Harlan Stevens Ditch 200% Capacity Upsizing	Executed	\$2,358,540	21-Feb-22
00045.27	Escalation Costs - November 2021	Executed	\$625,465	17-Feb-22
00049.1	Shrew Mitigation Measures Dutch John Cut – Hand Clearing	Executed	\$146,827	17-Feb-22
00269	Tule River Structure Pre-Foundation Package	Executed	\$250,392	14-Feb-22
00045.26	Escalation Costs - October 2021	Executed	\$2,902,068	14-Feb-22
00288	Office of the State Fire Marshal	Executed	\$11,860	14-Feb-22
00060.4	Alpaugh Irrigation District – Ground Disturbance	Executed	\$158,400	14-Feb-22
00289	Selma Building Lease Extension	Executed	\$269,354	14-Feb-22
00049.2	Shrew Mitigation Measures Cole Slough	Executed	\$131,389	14-Feb-22
00168.7	Extended Environmental Scope Services - May 2021	Executed	\$489,693	02-Feb-22
00168.6	Extended Environmental Scope Services - April 2021	Executed	\$533,687	02-Feb-22
00168.5	Extended Environmental Scope Services - March 2021	Executed	\$417,163	02-Feb-22
TOTAL			\$8,298,293	

CP 2-3 – Risk Contingency

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

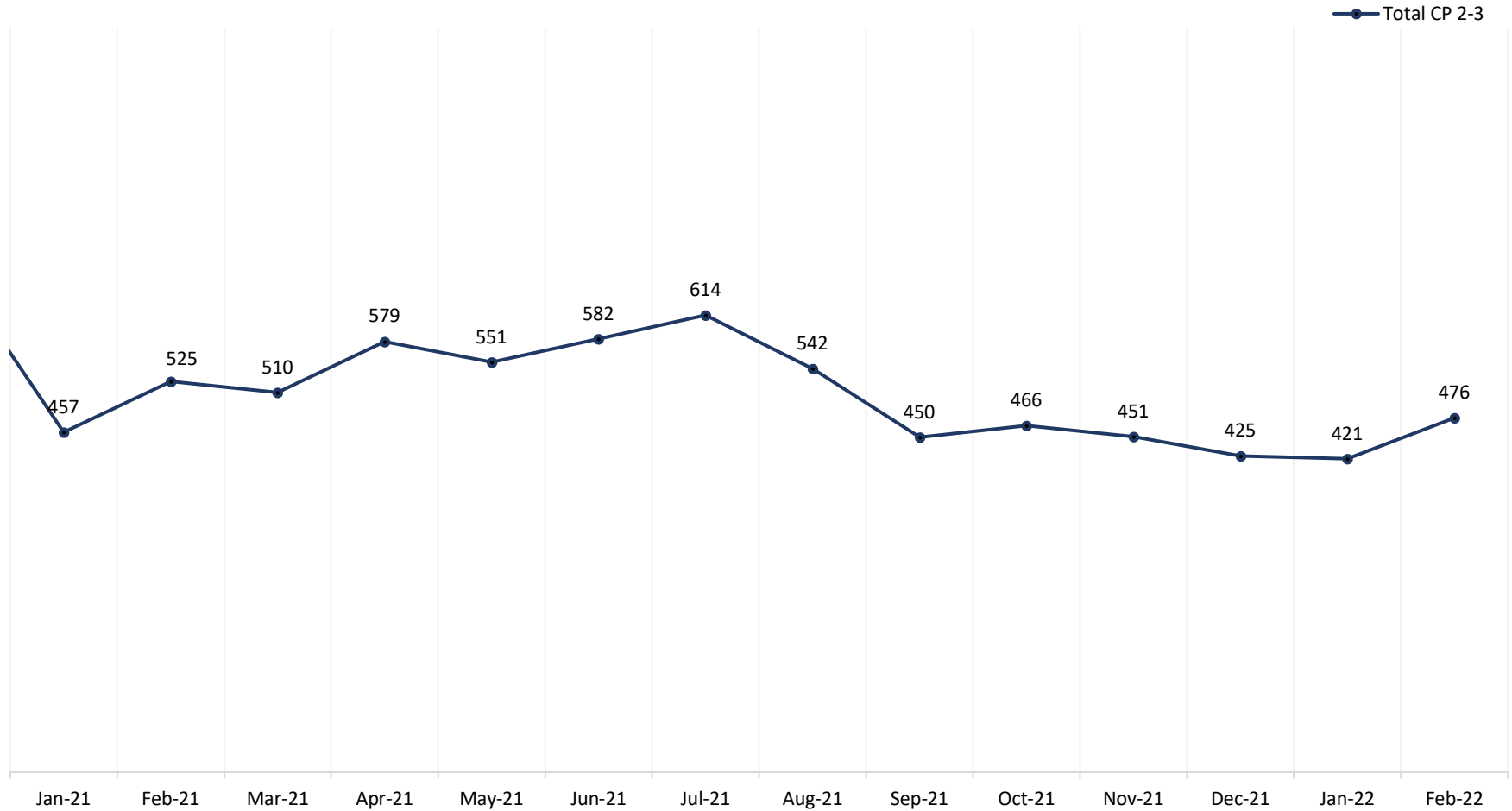


Notes:

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)

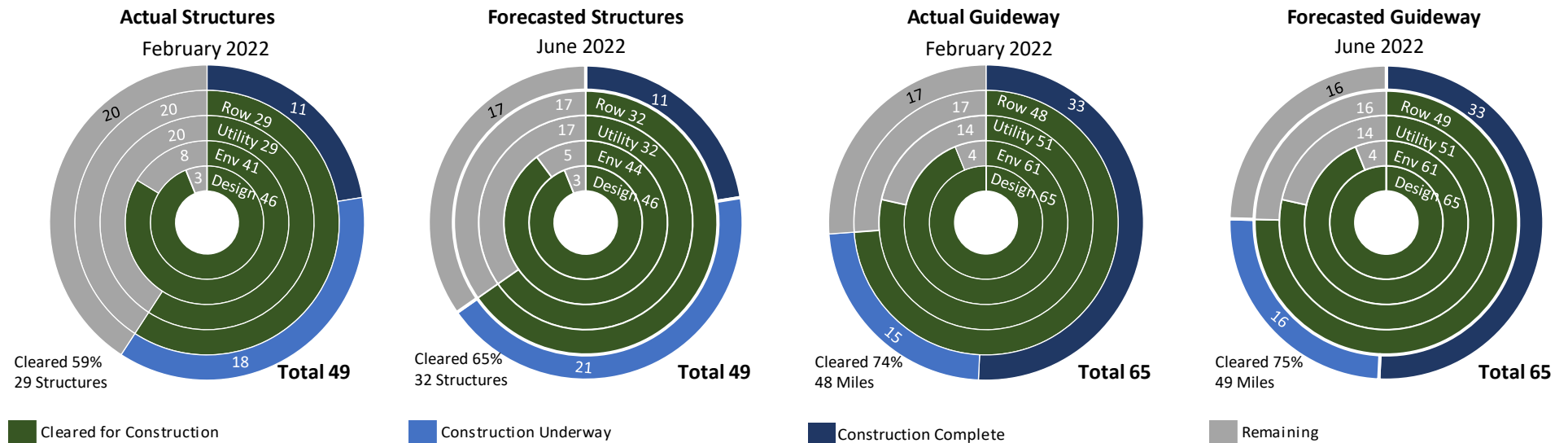


Notes:

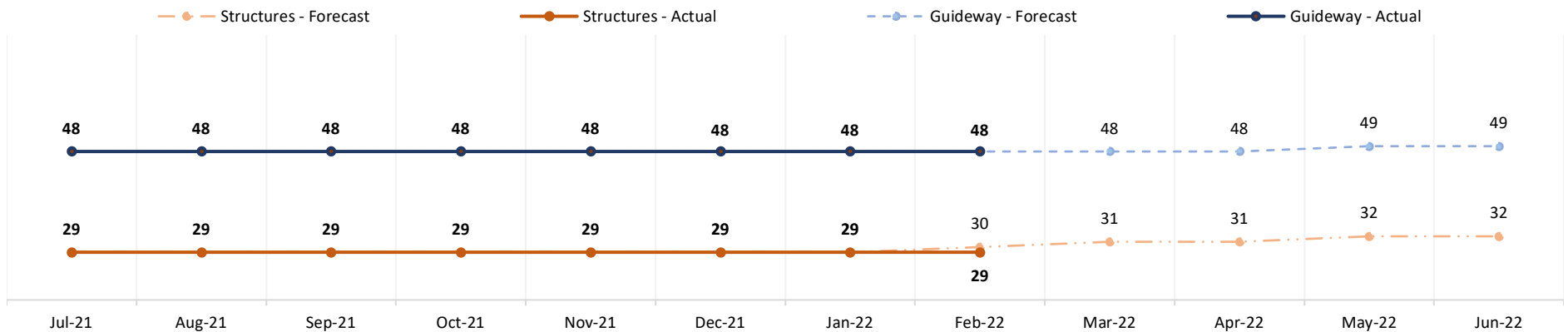
1. The construction labor numbers (full-time employees) are based on the weekly totals divided by the number of weeks within the working calendar month and represents the Average Daily Site Workers (by week).
2. An increase of 55 workers from the previous month (421). Increase due to ramp up of Conejo girders installation and Tule River substructure works along with various Segment 1 irrigation activities.

CP 2-3 – Construction Progress

CP 2-3 – Construction Progress



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



- Notes:**
- The circle charts above incorporate Revised Baseline Schedules (RBS) Revision 3 data pending approval.
 - The line chart above incorporates provisional forecast numbers pending submission and approval of RBS Revision 3.
 - Total Structures: 49:
 - 29 structures underway/Construction complete. CP2-3 delay at SR43 Curved Bridge due to environmental survey taking longer than anticipated. Delays caused by additional measures needed to trap and relocate animals. Schedule has been pushed to mid-April 2022.
 - Total Guideway: 65 miles:
 - 48 miles underway/Construction complete.

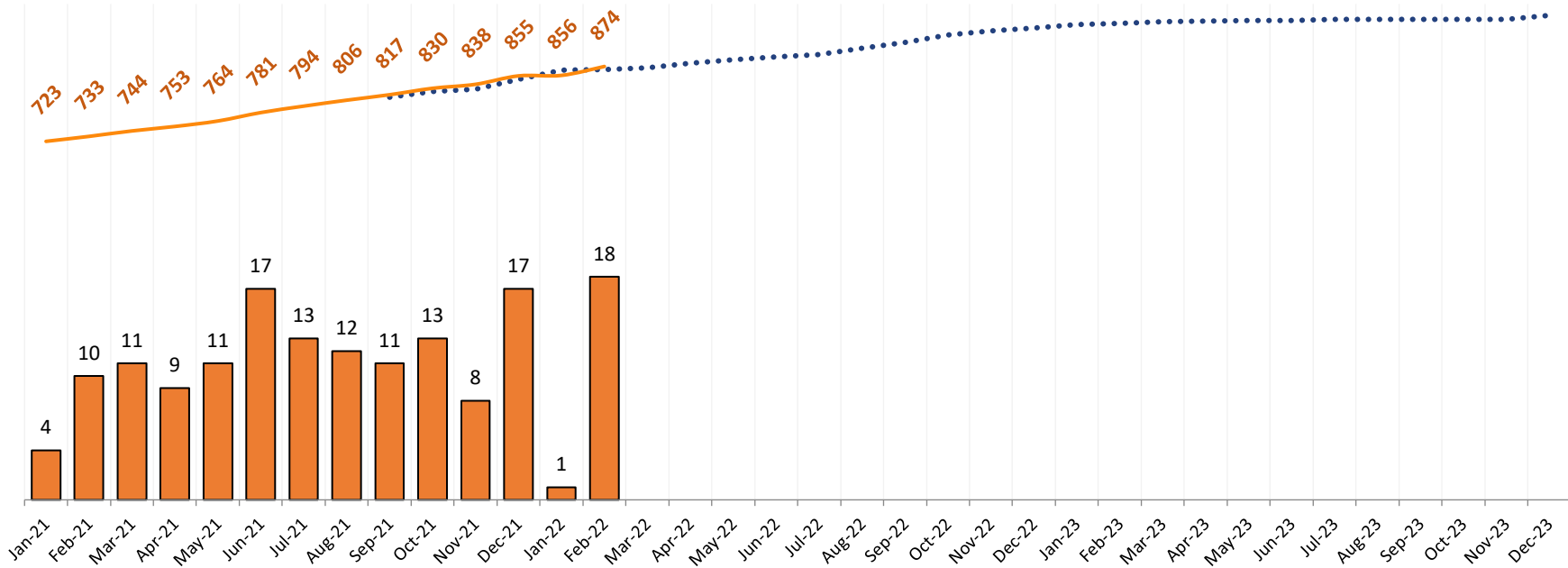
CP 2-3 – Real Property/Right-of-Way (ROW)

CP 2-3 – Right-of-Way (ROW) Summary

Construction Package	Total Needed Parcels February 28, 2022	Total Parcels Delivered to Date February 28, 2022	Remaining Parcels to be Delivered February 28, 2022
CP 2-3	979	874	105

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

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



Notes:

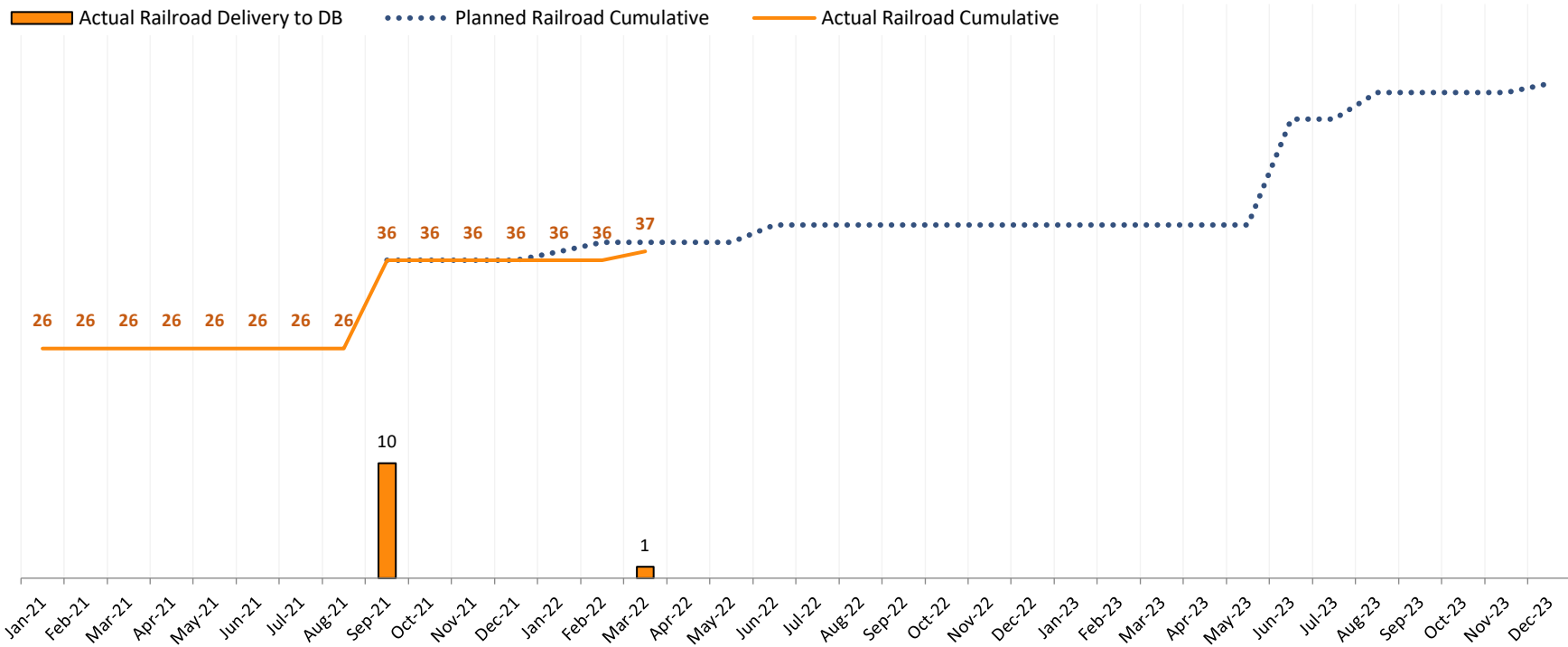
1. This reflects the actual parcels delivered to the Design-Builder by month and projection based on the Revised Baseline Schedule (RBS) Revision 3.
2. One CP 2-3 parcel added to Total Needed Parcels.

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

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

Construction Package	Total Needed Railroad Parcels February 28, 2022	Total Railroad Parcels Delivered to Date February 28, 2022	Remaining Railroad Parcels to be Delivered February 28, 2022
CP 2-3	56	37	19

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



Note:

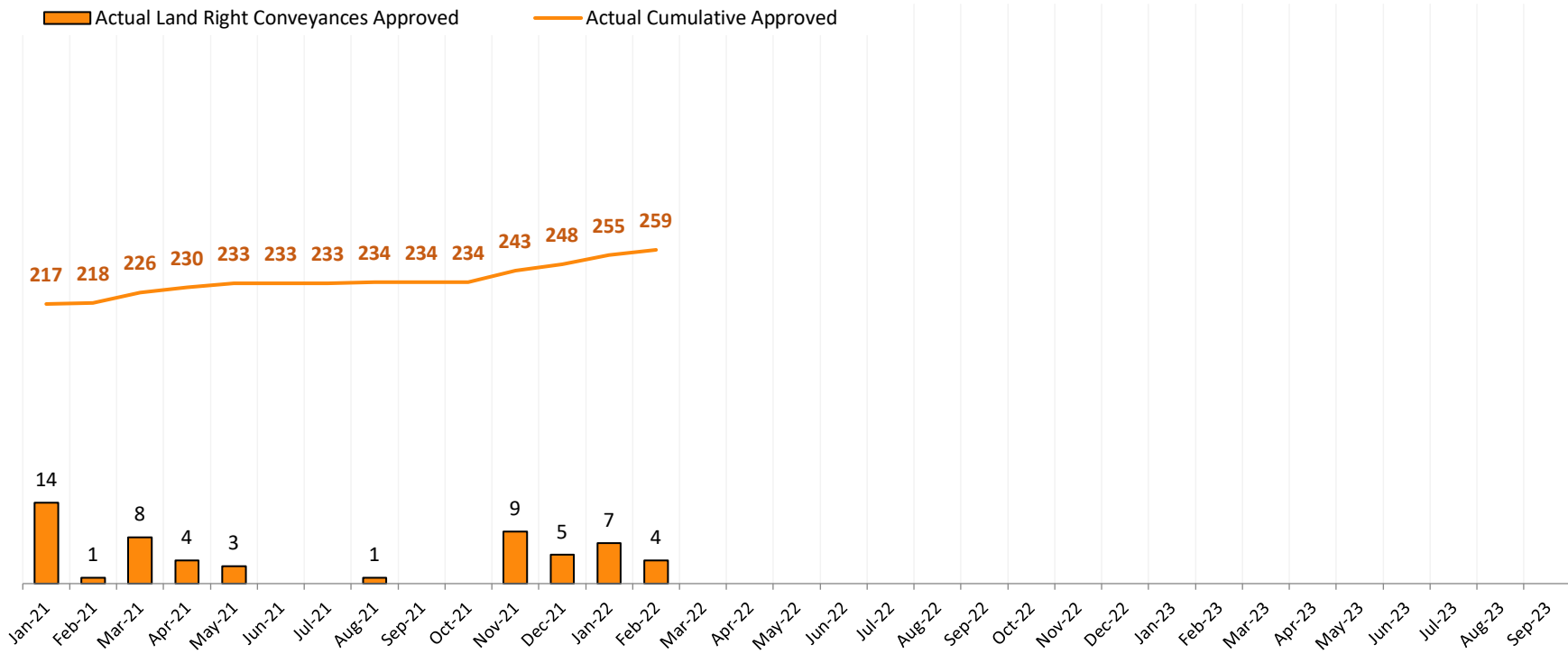
1. The Planned Cumulative line for Railroad Parcel Delivery reflects Revised Baseline Schedule (RBS) Revision 3.
2. Two parcel delivery dates being reforecast, not impacting the critical path.

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 February 28, 2022	Total Land Right Conveyances Approved ⁽³⁾ to Date February 28, 2022	Remaining Land Right Conveyances to be Approved February 28, 2022
CP 2-3	433	259	174

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

CP 4 – Design-Build Contract Summary⁽¹⁾

Milestones

Milestone	Date
Request for Quote (RFQ) Date:	11/20/2014
Statement of Qualification (SOQ) Date:	01/30/2015
Request for Proposal (RFP) Date:	05/27/2015
Proposal:	11/25/2015
Bid Open Date:	01/05/2016
Award Date:	02/29/2016
Late Notice to Proceed (LNTP) Date:	03/01/2016
Notice to Proceed (NTP) Date:	04/15/2016
Original Completion Date:	06/03/2019
Current Forecast Contract Completion Date ⁽²⁾ :	05/03/2023
Current Forecast Construction Completion Date⁽³⁾:	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:	\$231,583,124.97
Current Contract Amount:	\$675,830,124.97
Approved Invoices to Date:	\$535,763,095.45
Remaining Contract Balance:	\$140,067,029.52

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 02/28/2022):	2,145

Expended to Date

Description	Percentage
Time:	85.4%
Dollars:	79.3%

Growth Percentage

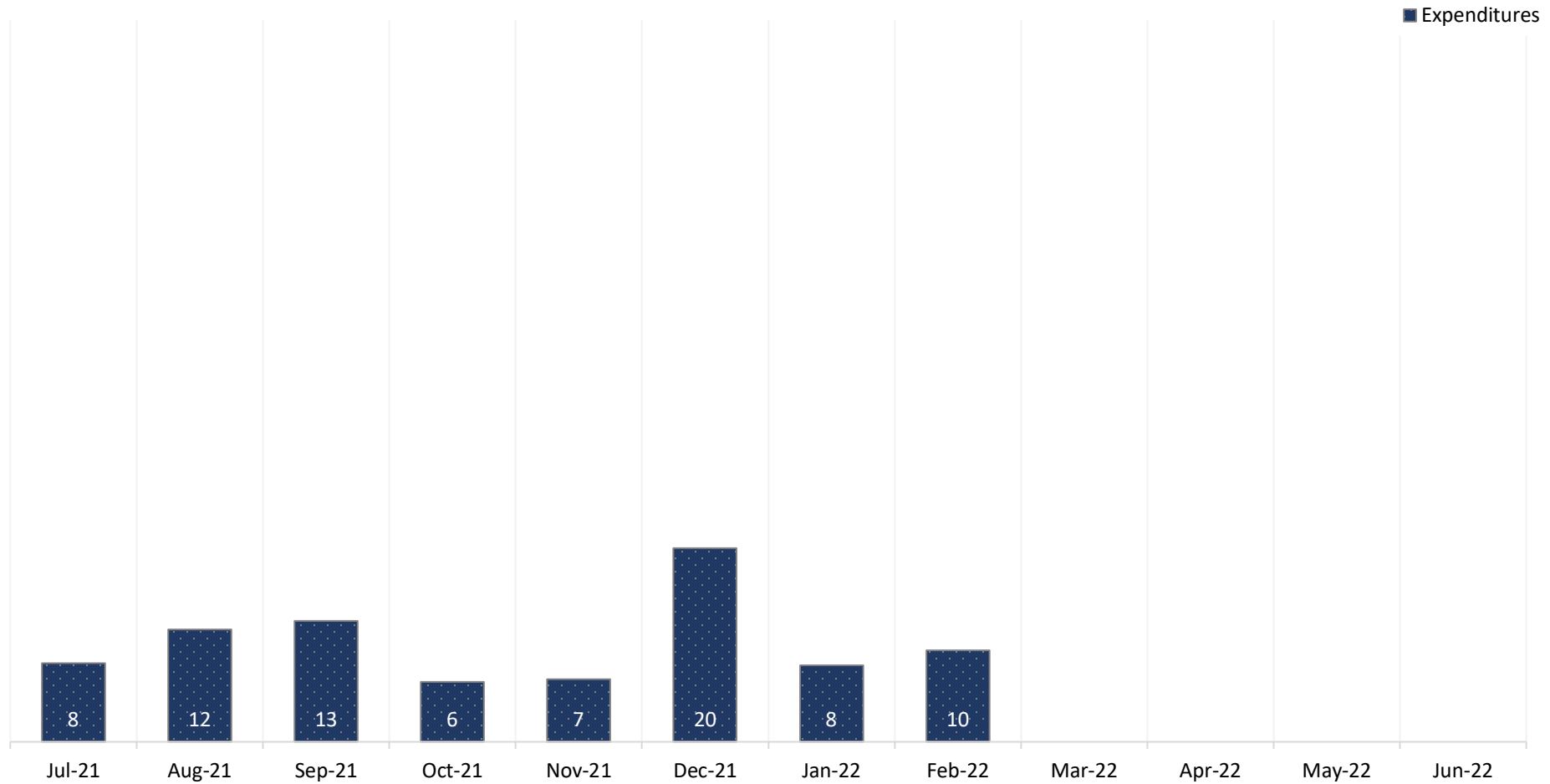
Description	Percentage
Time:	119.5%
Dollars:	52.1%

Notes:

- Information in this section is coming from data provided by the PCM – Monthly Status Report.
- Updated to align with Current Forecast Contract 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 Construction Completion Date.

CP 4 – Design-Build Expenditures

CP 4 – Monthly Expenditures (\$ Millions)



Notes:

1. Expenditures in the chart above are specific to the Design-Builder production and based on the Capital Outlay and Expenditure Report.
2. Expenditures totaled \$9.5M.

CP 4 – Change Orders (CO)

CP 4 – Change Order Status

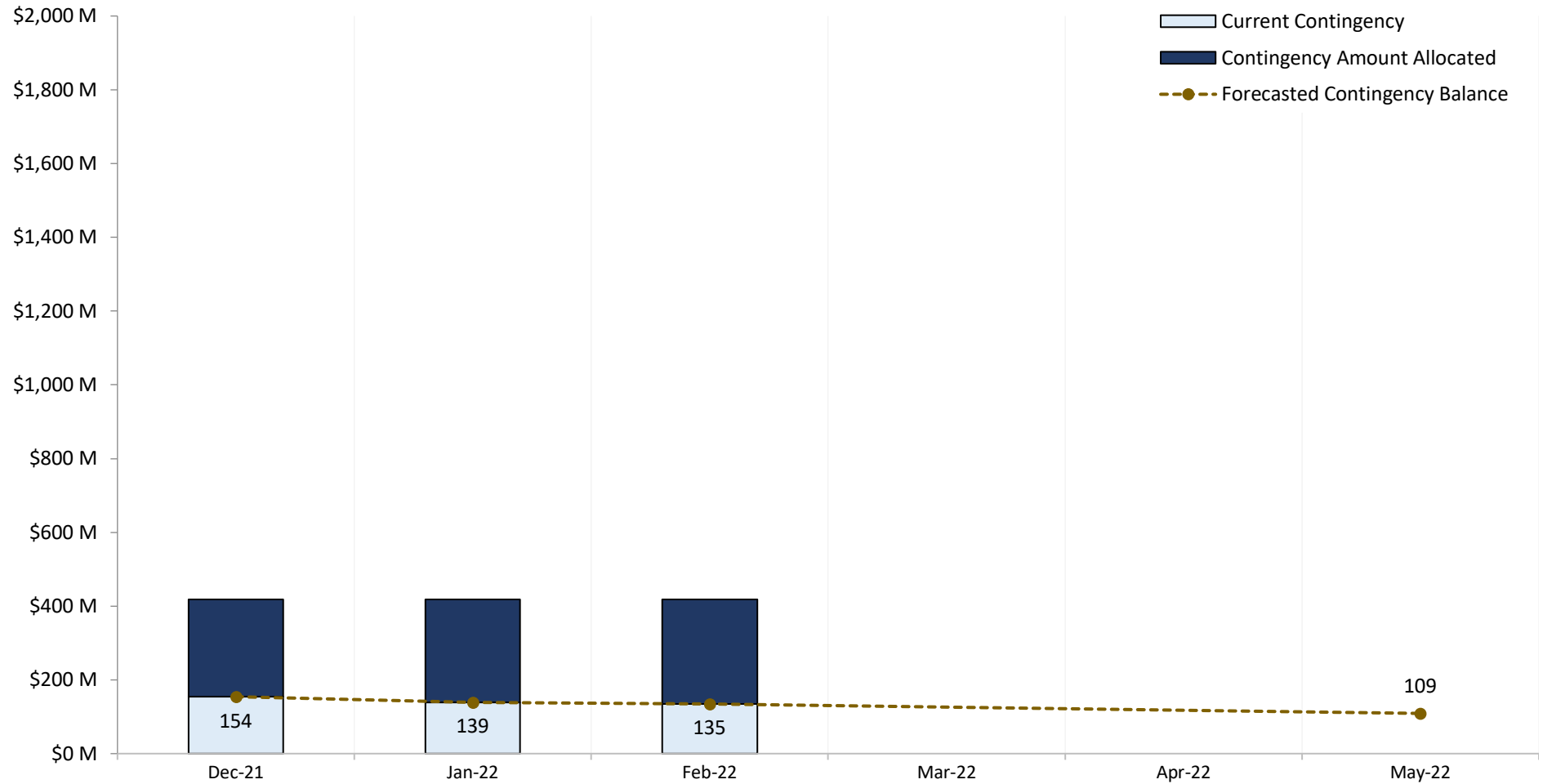
CO Number	Title	Change Status	Amount	Executed Date
23	Change Order 23 Caltrans Reimbursement	Executed	\$3,530,000.00	18-Feb-22
125	North Kern Water Storage District Canal 9-22 Temporary Bypass Design Costs	Executed	\$43,556.15	22-Feb-22
126	Temporary Retention Basin at SR46	Executed	\$848,759.33	24-Feb-22
TOTAL			\$4,422,315.48	

Notes:

1. Change Order (CO) 23 was issued as a unilateral deductive CO in April 2018. It provided the Authority a credit of \$3,530,000.00 for services to be rendered by Caltrans and removed these activities from the contract. It was later determined the deductive in CO 23 was included in CO 32 (Global Settlement) and should therefore be reversed. As of February 2022, this reversal has been formalized.

CP 4 – Risk Contingency

CP 4 – Risk Contingency Status (\$ Millions)

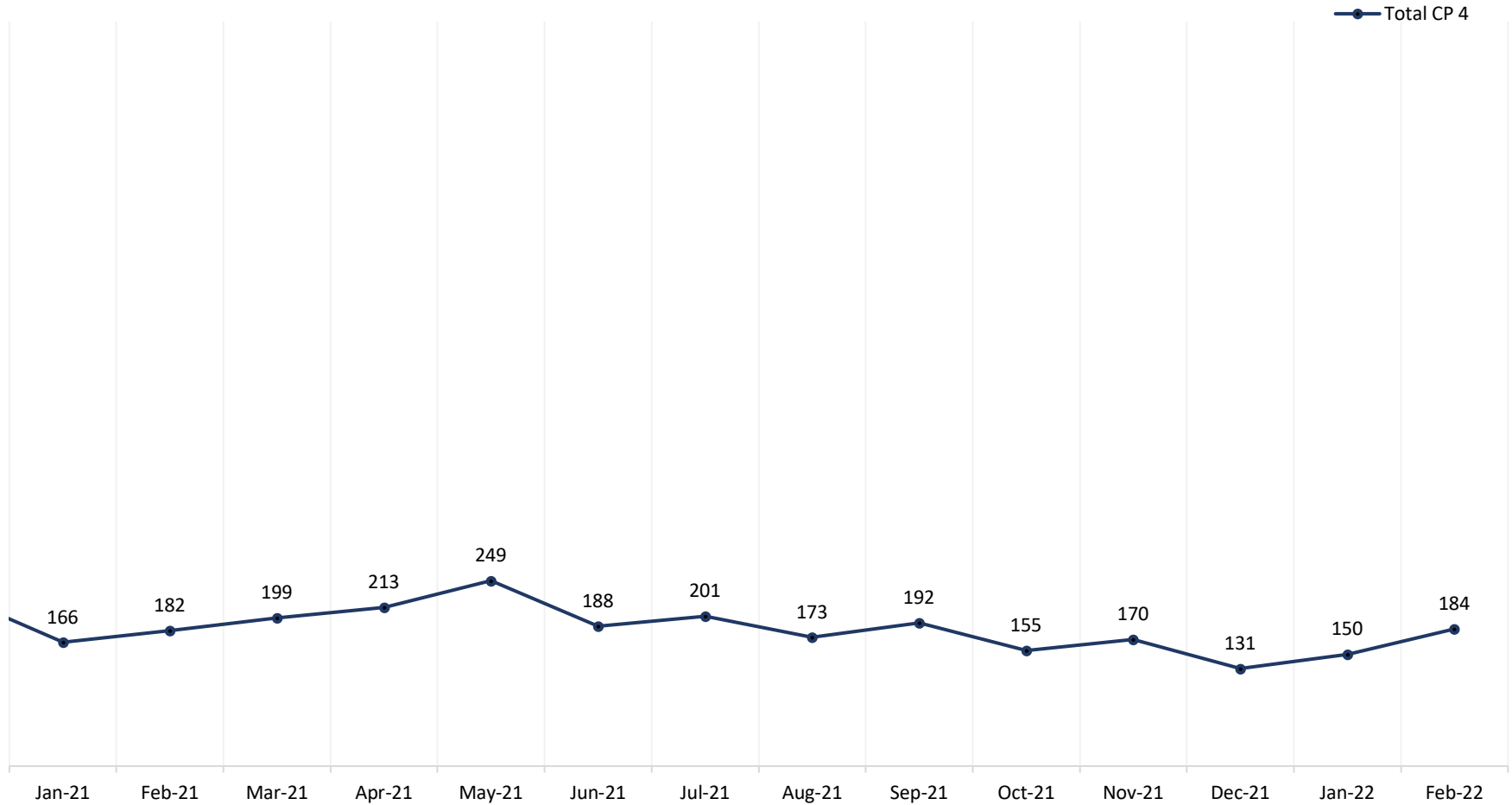


Notes:

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)

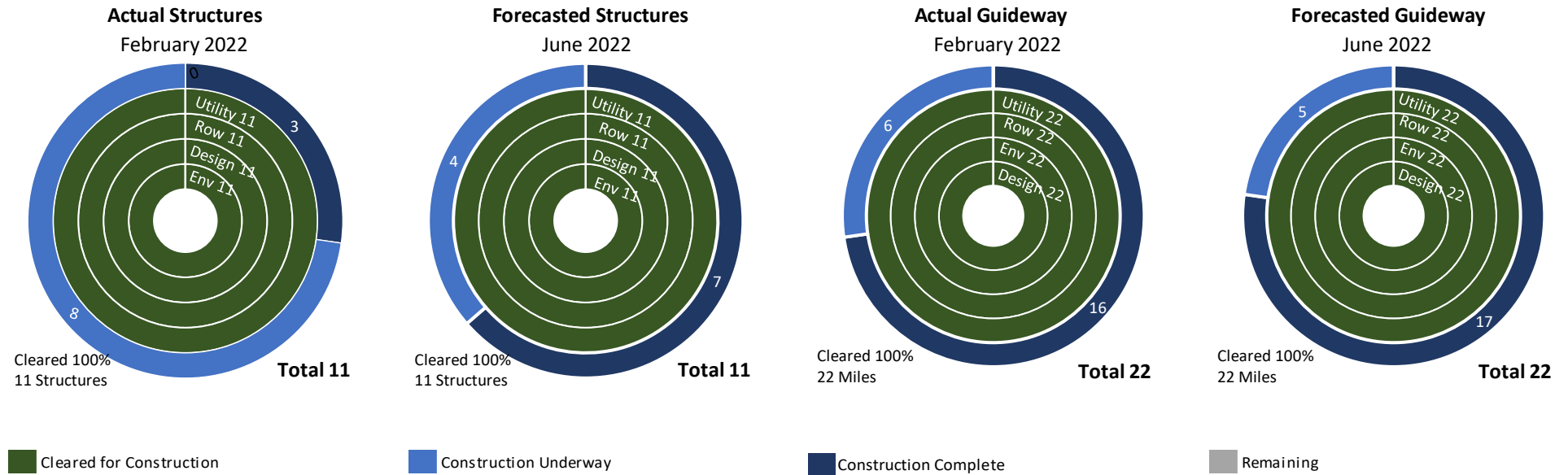


Notes:

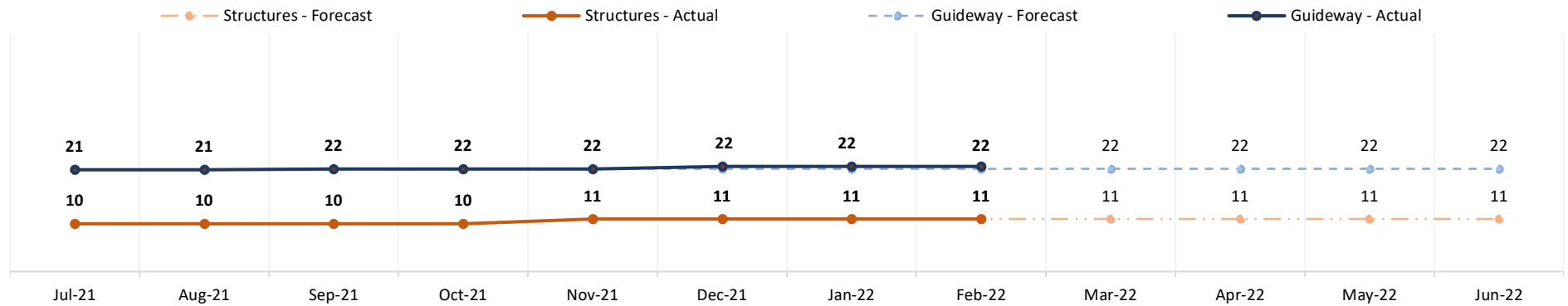
1. The construction labor numbers (full-time employees) are based on the weekly totals divided by the number of weeks within the working calendar month and represents the Average Daily Site Workers (by week).
2. An increase of 34 workers from the previous month (150), due to having all structures in full construction.

CP 4 – Construction Progress

CP 4 – Construction Progress



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



Notes:

1. The circle charts above incorporate Revised Baseline Schedules (RBS) Revision 2 data pending RBS Revision 3 updates.
2. Total Structures: 11:
 - a. 11 structures underway/Construction complete.
3. Total Guideway: 22 miles. The actual miles for CP 4 are 21.5 miles but rounded to 22 miles for consistency in reporting:
 - a. 22 miles underway/Construction complete.

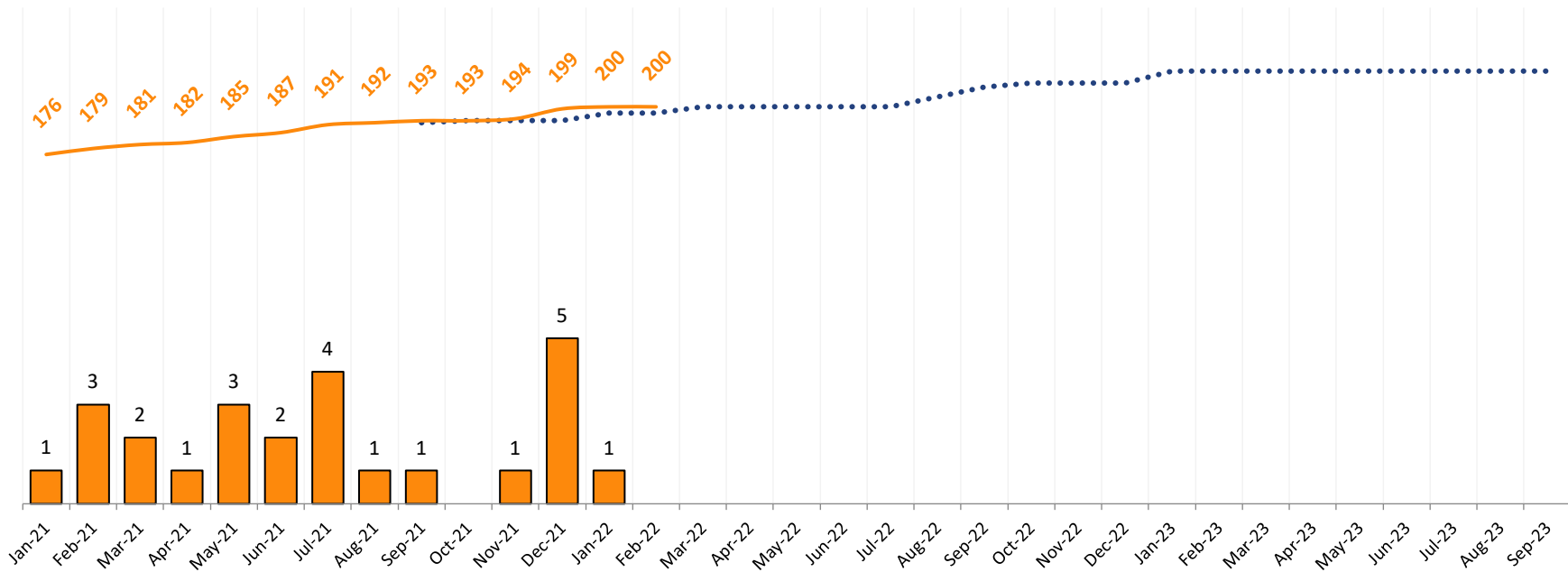
CP 4 – Real Property/Right-of-Way (ROW)

CP 4 – Right-of-Way (ROW) Summary

Construction Package	Total Needed Parcels February 28, 2022	Total Parcels Delivered to Date February 28, 2022	Remaining Parcels to be Delivered February 28, 2022
CP 4	239	200	39

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

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



Notes:

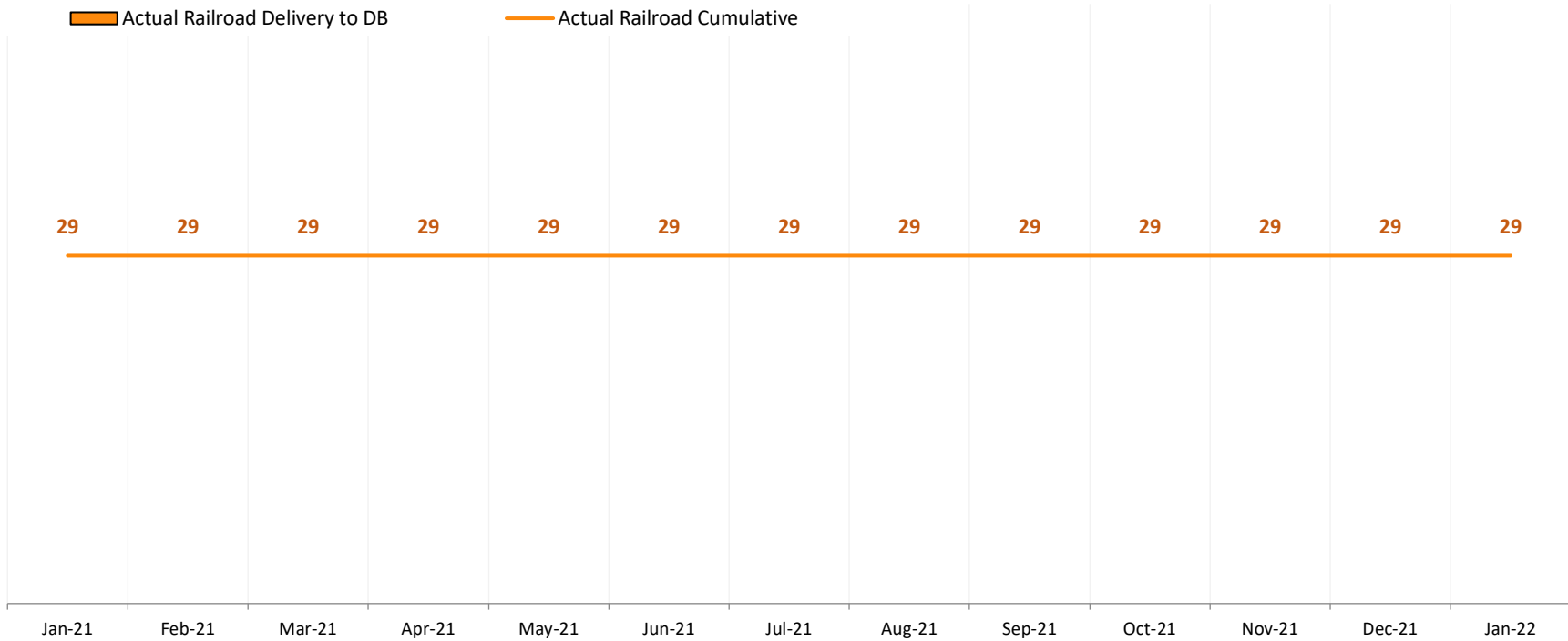
1. This reflects the actual parcels delivered to the Design-Builder by month compared to the Revised Baseline Schedule (RBS) Revision 3.
2. One parcel added to Total Needed Parcels due to optimized design.

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

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

Construction Package	Total Needed Railroad Parcels February 28, 2022	Total Railroad Parcels Delivered to Date February 28, 2022	Remaining Railroad Parcels to be Delivered February 28, 2022
CP 4	29	29	0

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

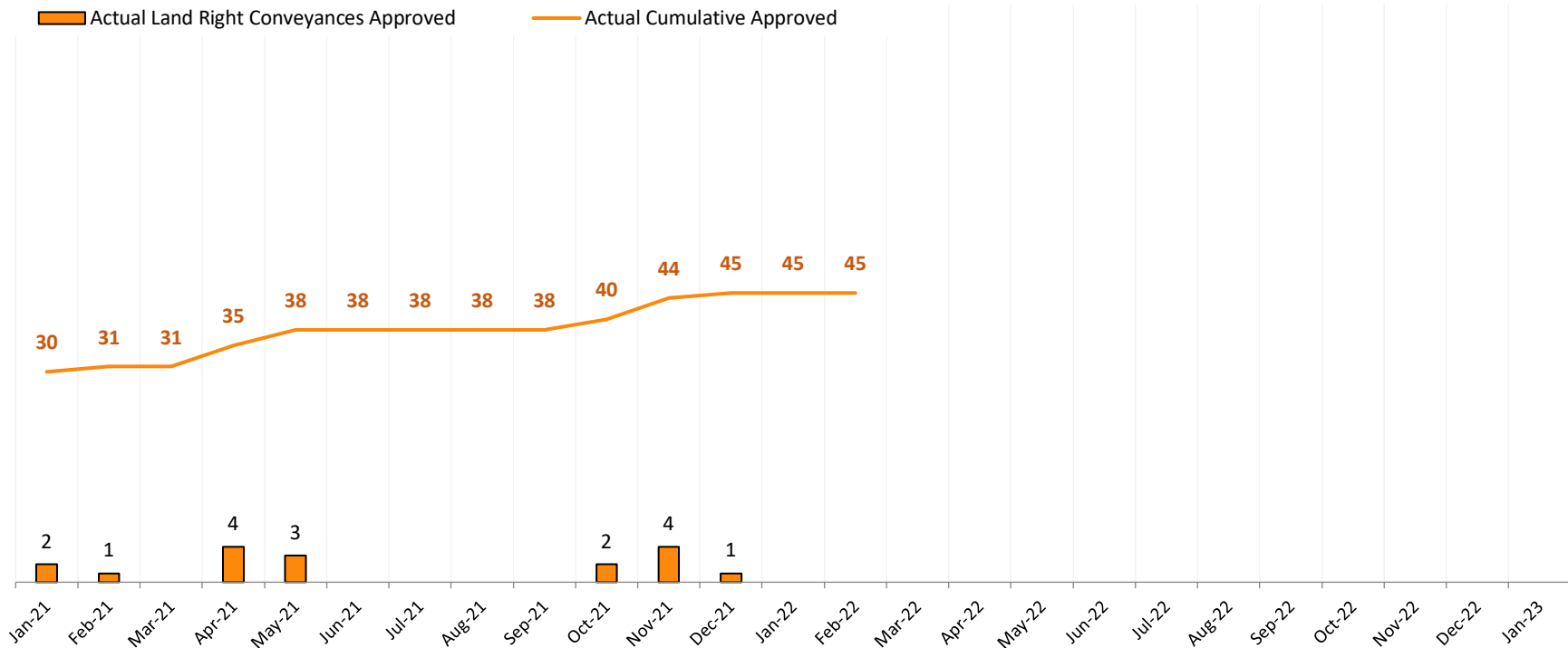


CP 4 – Tier 1 Land Right Conveyances Required Prior to Construction (PG&E, SCE, FID, FMFCD)

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

Construction Package	Total Needed Land Right Conveyances February 28, 2022	Total Land Right Conveyances Approved ⁽²⁾ to Date February 28, 2022	Remaining Land Right Conveyances to be Approved February 28, 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 Mar-22 97%	May-22 May-22 98%	Dec-22 Apr-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:

1. 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.
2. 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.
3. 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) #2 was submitted and reviewed by NEPA Assignment Team (NAT)/Environmental Services (ES)/Legal. Conducted Director’s Briefing on Final EIR/EIS on February 18, 2022.</p> <p>Draft General Conformity Determination (GCD) will be submitted to Federal Railroad Administration (FRA) and posted in March.</p>
San Jose to Merced	<p>Final EIR/EIS was published on February 25, 2022.</p> <p>Revised Individual Section 4(f) Evaluation to address comments from Santa Clara County following 45-day review.</p> <p>United States Army Corps of Engineers (USACE) provide conditional Section 408 preliminary determination February 18, 2022.</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>Commenced Step 7 Required Approval Sequence. However, a schedule delay was incurred due to Authority decision to conduct additional analysis on / validate Business Plan – EIR/EIS Cost Estimates before release of the Draft EIR/EIS.</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>