



Finance & Audit Committee

CENTRAL VALLEY STATUS REPORT

January 2022 Report (data through November 2021)

Executive Summary

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

- November 2021 Expenditures totaled \$37.8M:
 - Construction Package 1 – Expenditures totaled \$13.4M.
 - Construction Package 2-3 – Expenditures totaled \$17.8M.
 - Construction Package 4 – Expenditures totaled \$6.5M.
- Total CP Cumulative Actual Expenditures (Pages 14, 23, and 32) – \$3,586.6M.
- Total Cumulative Current Contract Amount (Pages 14, 23, and 32) – \$5,234.6M.

Change Orders

- Executed Change Orders this period – Nine for a total of \$1.7M:
 - Construction Package 1 – Two for a total of \$85K (Page 16).
 - Construction Package 2-3 – Three for a total of \$100K (Page 25).
 - Construction Package 4 – Four for a total of \$1.5M (Page 34).

Risk Contingency ([Page 6](#))

- Original Contract Contingency – \$4,000.7M with Contract Contingency as of November 30, 2021 – \$1,822.8M:
 - Construction Package 1 (Page 17) – \$1,944.5M with Contract Contingency as of November 30, 2021 – \$965.3M.
 - Construction Package 2-3 (Page 26) – \$1,638.4M with Contract Contingency as of November 30, 2021 – \$701.0M.
 - Construction Package 4 (Page 35) – \$417.8M with Contract Contingency as of November 30, 2021 – \$156.5M.

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 – 106 of 109 total design packages cleared for construction. Expected completion is Second Quarter of 2022 (Cole Slough and Dutch John pending Right-of-Way (ROW) acquisition for Geotech, Alpaugh ponds currently in comment resolution, and Geotech work at Dutch John to be in process).
 - Construction Package 4 – 14 of 14 total design packages cleared for construction.

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

- Construction Package 1-4 – 582 of 716 or 81% completed. An increase of six from the previous month (from 576):
 - Construction Package 1 – 244 of 305 or 80% completed and 61 in progress. The total increased by 14 because some packages were split to reflect the actual field conditions.
 - Construction Package 2-3 – 210 of 250 or 84% completed and 40 in progress. No change from the previous period.
 - Construction Package 4 – 128 of 161 or 80% completed and 33 in progress. An increase of six from the previous period.

CP Construction Labor (Page 8)

- November 2021, Average Daily Site Workers (by Week) – 889 workers. A decrease of 17 workers from the previous period (from 906):
 - Construction Package 1 (Page 18) – 268 workers. A decrease of 17 workers from the previous month (285).
 - Construction Package 2-3 (Page 27) – 451 workers. A decrease of 15 workers from the previous month (466).
 - Construction Package 4 (Page 36) – 170 workers. An increase of 15 workers from the previous month (155).
- Daily Average Contracted CP Employees Quarantined for COVID-19 in November 2021 – 12. A decrease of ten from the daily average of 22 in October 2021.
- Contractors continued with construction while following safety protocols and guidelines from the Centers for Disease Control and Prevention (CDC) and Occupational Safety and Health Administration (OSHA).

CP Construction Progress (Page 9)

- Structures – 66 underway/substantially complete compared to 93 structures total. An increase of one from the previous period:
 - Construction Package 1 – 26 structures underway/substantially complete.
 - Construction Package 2-3 – 29 structures underway/substantially complete.
 - Construction Package 4 – 11 structures underway/substantially complete.
- Guideway – 86 miles constructed/underway compared to 119 miles total. No change from the previous period:
 - Construction Package 1 – 16 miles underway/substantially complete.
 - Construction Package 2-3 – 48 miles underway/substantially complete.
 - Construction Package 4 – 22 miles underway/complete.
- Utility Relocations Status – Relocated: 747 (40%); In Progress: 421 (23%); Approved to Start: 106 (6%); Not Started: 574 (31%); Total: 1,848. Twenty-one relocated in November 2021 reporting period. To begin utility relocation work, a sequence of activities must be completed. These activities include environmental clearance, executed third-party agreement(s), design approval, construction work plans, pre-construction walkthroughs, acquisition of real property, and/or land right conveyances:
 - Construction Package 1 – Relocated: 303 (30%); In Progress: 371 (38%); Approved to Start: 0 (0%); Not Started: 319 (32%); Total: 993.
 - Construction Package 2-3 – Relocated: 373 (54%); In Progress: 36 (5%); Approved to Start: 63 (9%); Not Started: 222 (32%); Total: 694.
 - Construction Package 4 – Relocated: 71 (44%); In Progress: 14 (9%); Approved to Start: 43 (27%); Not Started: 33 (20%); Total: 161.

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

- Total Parcels Delivered to Date – 2,011 parcels compared to an estimated 2,274 parcels needed.
- Parcels Delivered to Design-Builder (DB) – 12 parcels in November 2021.
- Construction Packages 1-4 – 11 parcels added, and four parcels removed due to optimized design. Net increase of seven parcels. The Authority received requests for 12 additional parcels. The Authority is currently reviewing this request. If merit is found, those parcels will be added and acquired per contractual terms.
- Railroad Parcels Delivered to Design-Builder – Zero parcels. Zero delinquent Railroad parcels.
- Total Railroad Parcels Delivered to Date – 122 parcels delivered compared to an estimated 168 total railroad parcels needed.
- Land Right Conveyances (Tier 1, Prior to Construction):

- Fourteen land right conveyances approved.
- To date, the Authority received approval on 618 land right conveyances.

Third-Party Agreements ([Page 13](#))

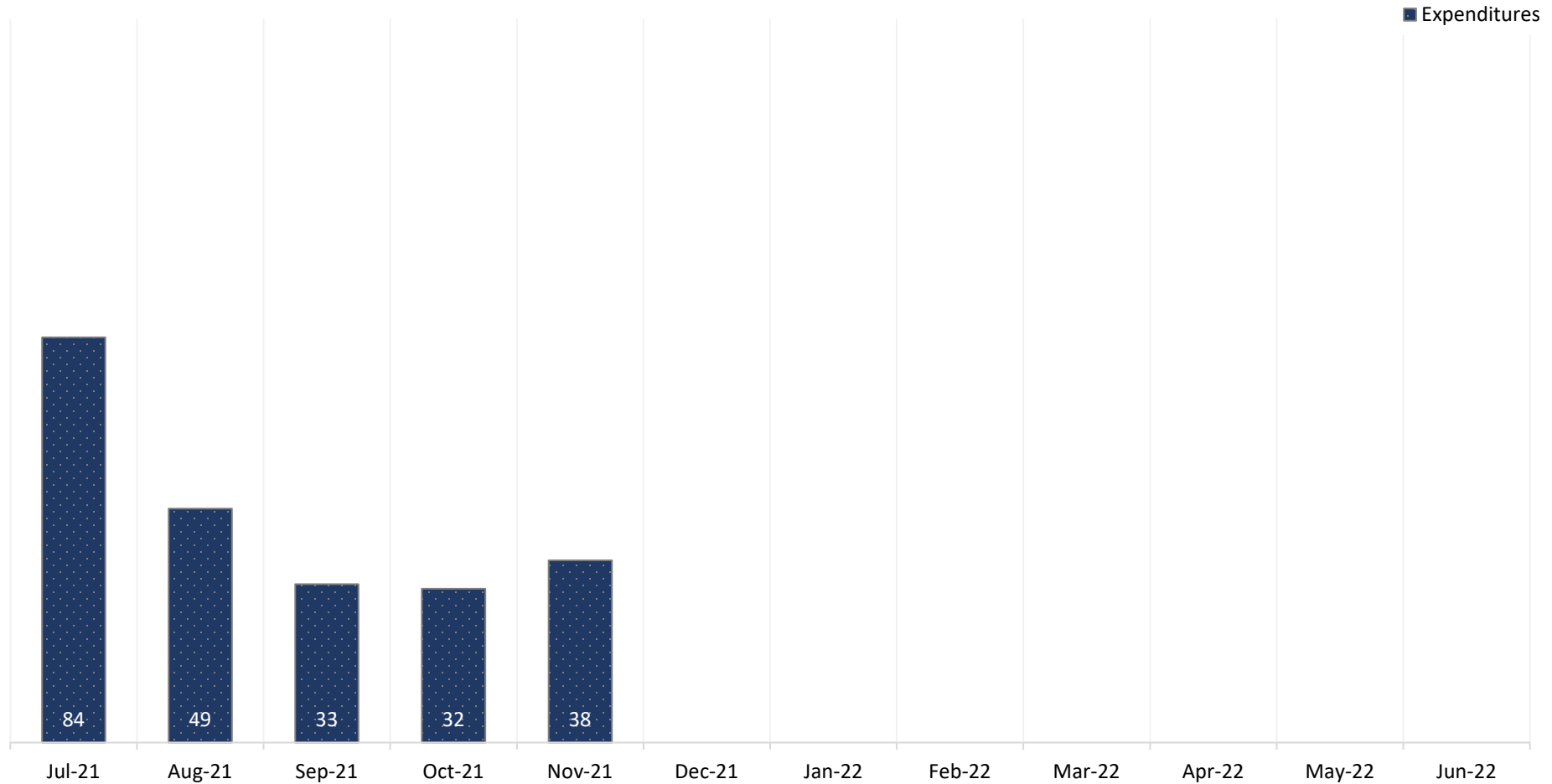
- Three remaining key agreements. The Authority has finalized 54 agreements. Forty-two of those agreements were critical to supporting construction.

Project Development (Environmental Clearance) Schedule – Record of Decision (ROD) ([Pages 41 - 42](#))

- San Francisco to San Jose – 30-day Cooperating Agency Review of Administrative Final EIR/EIS started November 24, 2021. Engineering and Environmental Consultant (EEC) is incorporating the Revised Draft Environmental Impact Report/Supplemental Draft Environmental Impact Statement (RDEIR/SDEIS) materials into the Final EIR/EIS.
- San Jose to Merced – Completed reviews on Final EIR/EIS Batch #1 for final editing and remediation. EEC submitted Final EIR/EIS Batch #2 (biological mitigation, Section 4(f)) and Environmental Justice) on November 30, 2021 for Authority review.
- Bakersfield to Palmdale – Continued with the contract closeout /preparing Notices of Acceptances (for deliverables in Task Order #3); coordinated with Environmental Services (ES) on preparing comments on the draft Administrative Record and provided feedback to ES on the Project Closeout index. Staff continued to coordinate with key stakeholders (Center for Biological Diversity).
- Palmdale to Burbank – The team continued working through completing Step 6; the Air Quality section was revised, and the Health Risk Assessment is under compliance thresholds. Staff coordinated discussions on the NEPA summary sections between the Regional Consultant (RC), ES, and Legal. The Page Turn reviews were pushed back a week and will occur in the third week in December 2021, and subsequently resulted in a one-week delay to the schedule.
- Burbank to Los Angeles – The Authority released the Final EIR/EIS and started the public availability period on November 5. Outreach meetings with elected officials, agencies/cities, and stakeholder groups for the Final EIR/EIS are underway. The Final EIR/EIS is scheduled for consideration by the Board of Directors on January 19-20, 2022.
- Los Angeles to Anaheim – The team continued integrating additional Burlington Northern Santa Fe Corporation (BNSF) deliverables pertaining to the Colton and Lenwood facilities into the assembled Administrative Draft EIR/EIS and continued Preliminary Engineering for Project Definition (PEPD) reviews with external stakeholders.

CP 1-4 – Design-Build Expenditures

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

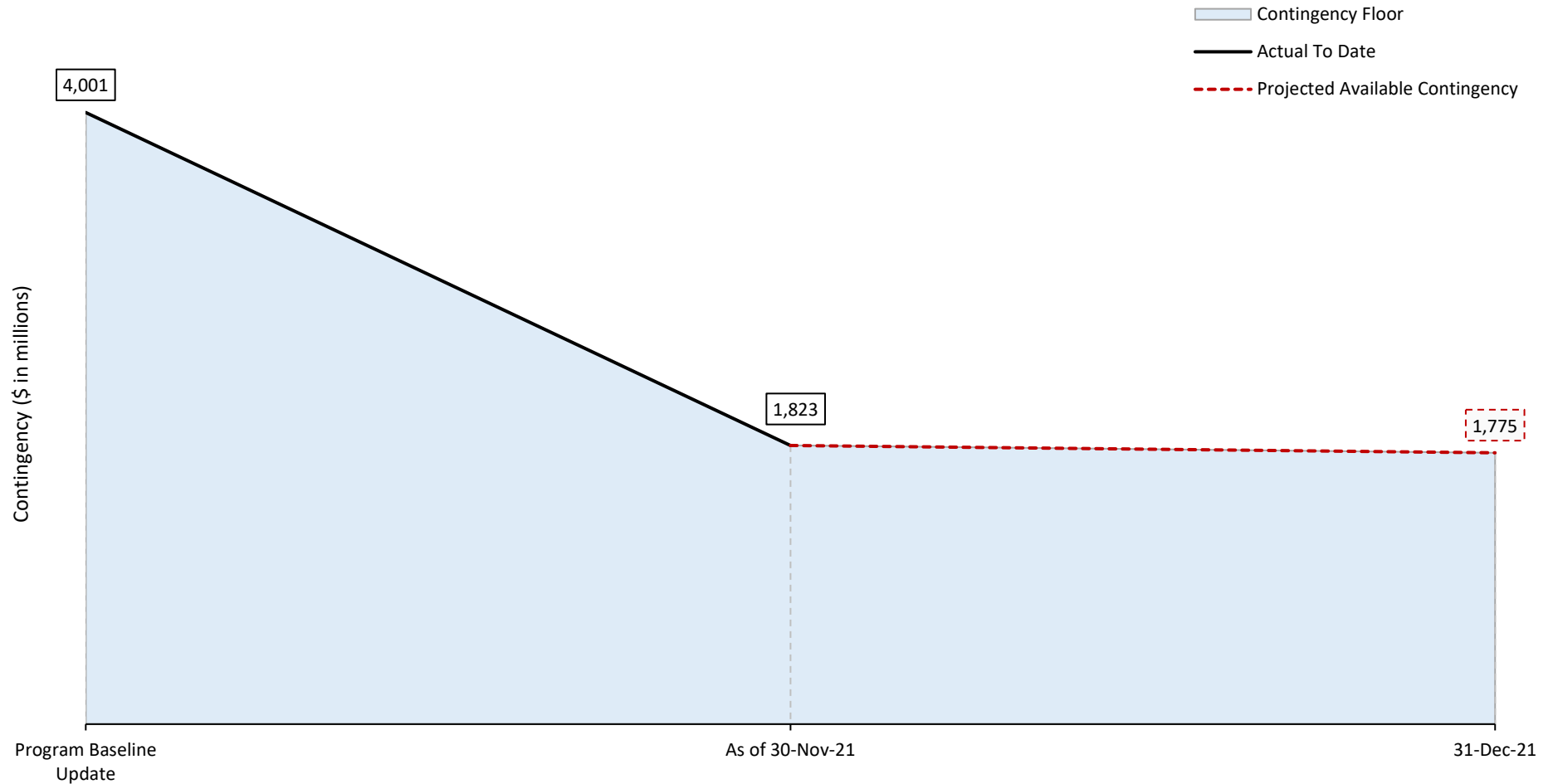


Notes:

1. Expenditures in the chart above are specific to the Design-Builder production and based on the Capital Outlay and Expenditure Report.
2. November 2021 Expenditures totaled \$37.8M:
 - a. Construction Package 1 – Expenditures totaled \$13.4M.
 - b. Construction Package 2-3 – Expenditures totaled \$17.8M.
 - c. Construction Package 4 – Expenditures totaled \$6.5M.

CP 1-4 – Risk Contingency

CP 1-4 – Risk Contingency Status

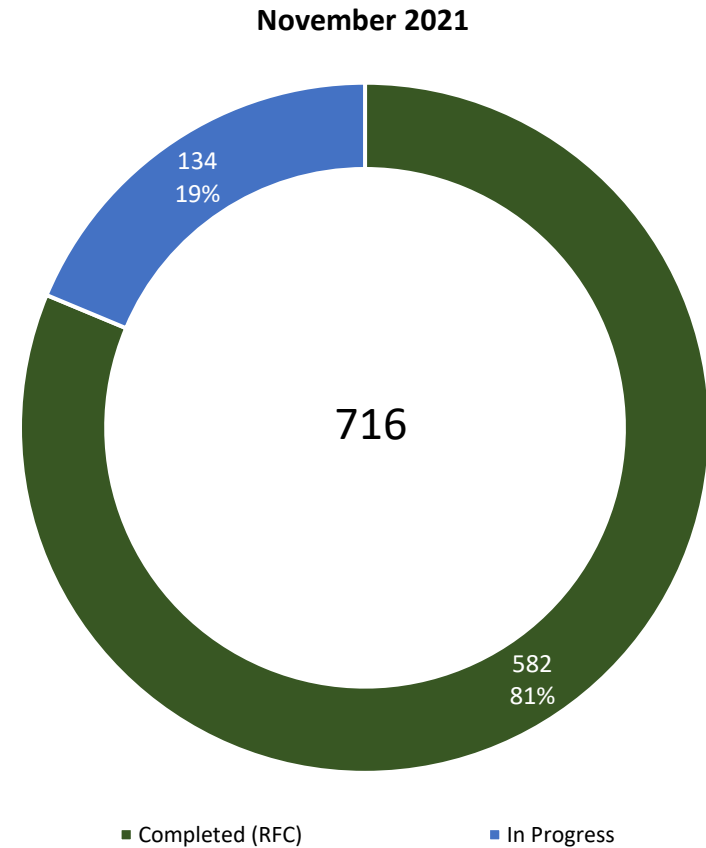
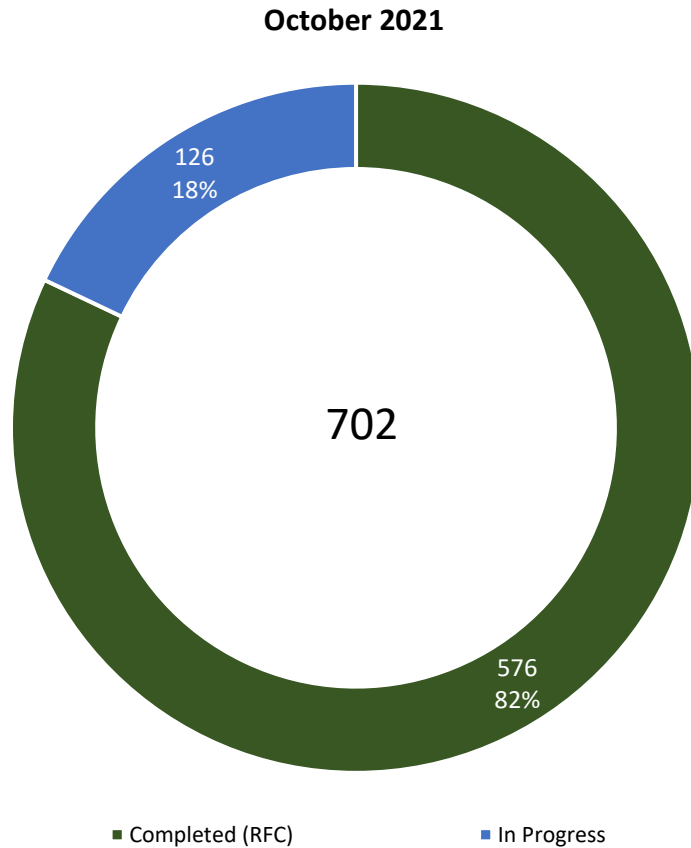


Notes:

1. Contingency balance updated to reflect the Board’s adoption of Resolution #HSR21-11 (Expenditure Authorization Increase). The contingency drawdown curve is under development pending the Midyear Forecast update.
2. The above Actual to Date reflects projected contingency drawdown for the entire CP 1-4 Project. Projected Available Contingency through the end of the current quarter (31-Dec-21) is based on the DB contingency drawdown only. Contingency Report Charts have been updated based on updated change order forecasts.
3. Remaining contingency balance reflects executed change orders and Business Oversight Committee (BOC) approved items.

CP 1-4 – Third-Party Design

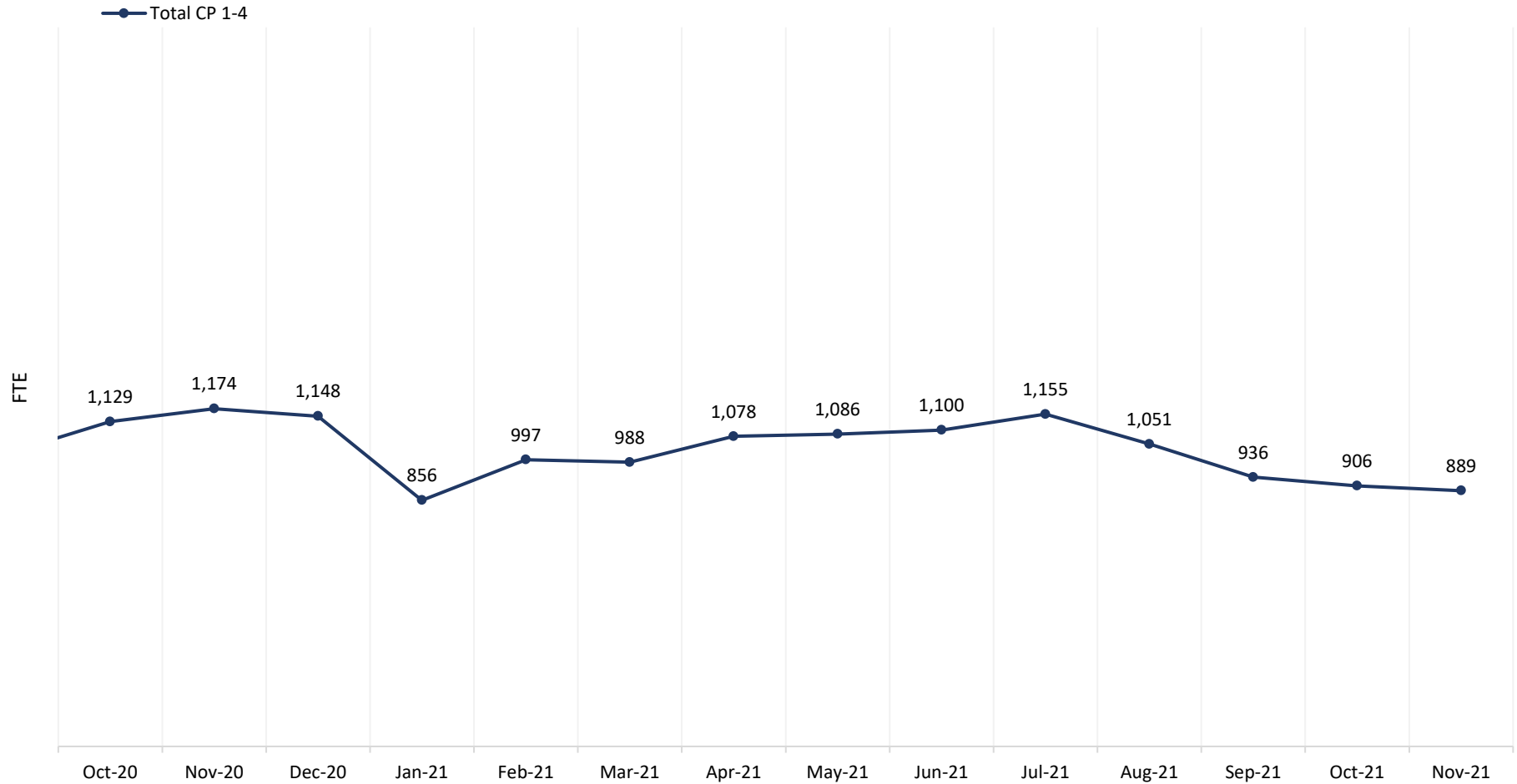
CP 1-4 – Third-Party Design Status



- 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 – 582 of 716 or 81% completed. An increase of six from the previous month (from 576):
 - a. Construction Package 1 – 244 of 305 or 80% completed and 61 in progress. The total increased by 14 because some packages were split to reflect the actual field conditions.
 - b. Construction Package 2-3 – 210 of 250 or 84% completed and 40 in progress. No change from the previous period.
 - c. Construction Package 4 – 128 of 161 or 80% completed and 33 in progress. An increase of six from the previous period.

CP 1-4 – Construction Labor

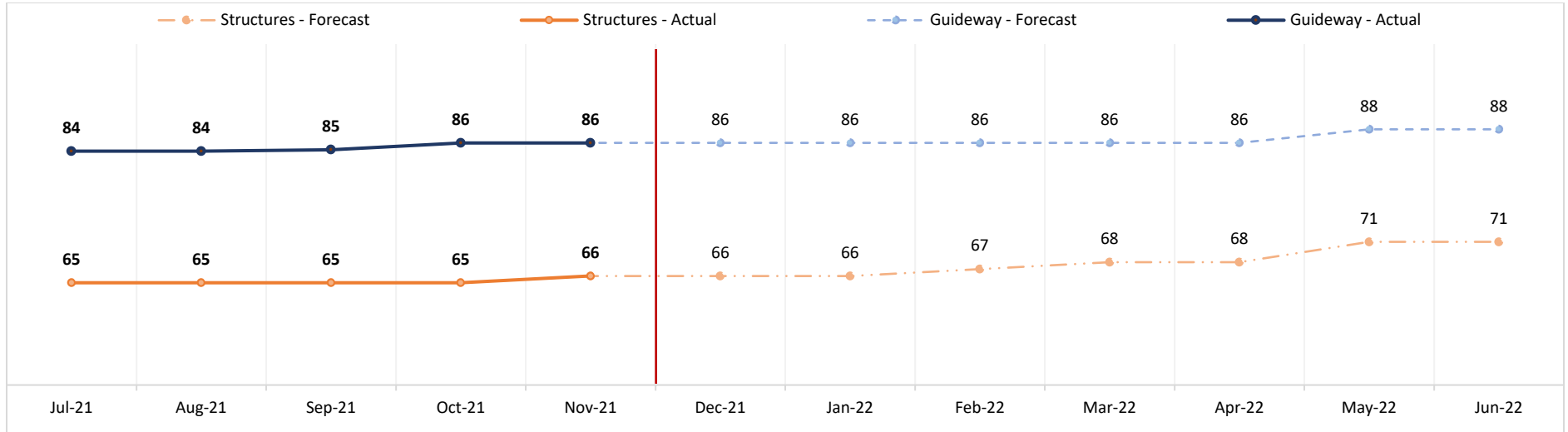
CP 1-4 – Monthly Construction Workforce Total – Actual



- Notes:**
1. The construction labor numbers (full-time employees) are based on the weekly totals divided by the number of weeks within the working calendar month and represents the Average Daily Site Workers (by Week).
 2. November 2021 – 889 workers. A decrease of 17 workers from the previous period (from 906):
 - a. Construction Package 1 (Page 18) – 268 workers. A decrease of 17 workers from the previous month (285) attributable to the seasonal fluctuations caused by the holidays and wet weather.
 - b. Construction Package 2-3 (Page 27) – 451 workers. A decrease of 15 workers from the previous month (466) attributable to the seasonal fluctuations caused by the holidays and wet weather.
 - c. Construction Package 4 (Page 36) – 170 workers. An increase of 15 workers from the previous month (155).

CP 1-4 – Construction Progress

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



Monthly Construction Status – In Progress vs. Completed

Construction	CP 1		CP 2-3		CP 4		Overall		Total
	In Progress	Completed	In Progress	Completed	In Progress	Completed	In Progress	Completed	
Structures	12	14	18	11	8	3	38	28	66
Guideway	14	2	15	33	6	16	35	51	86

Notes:

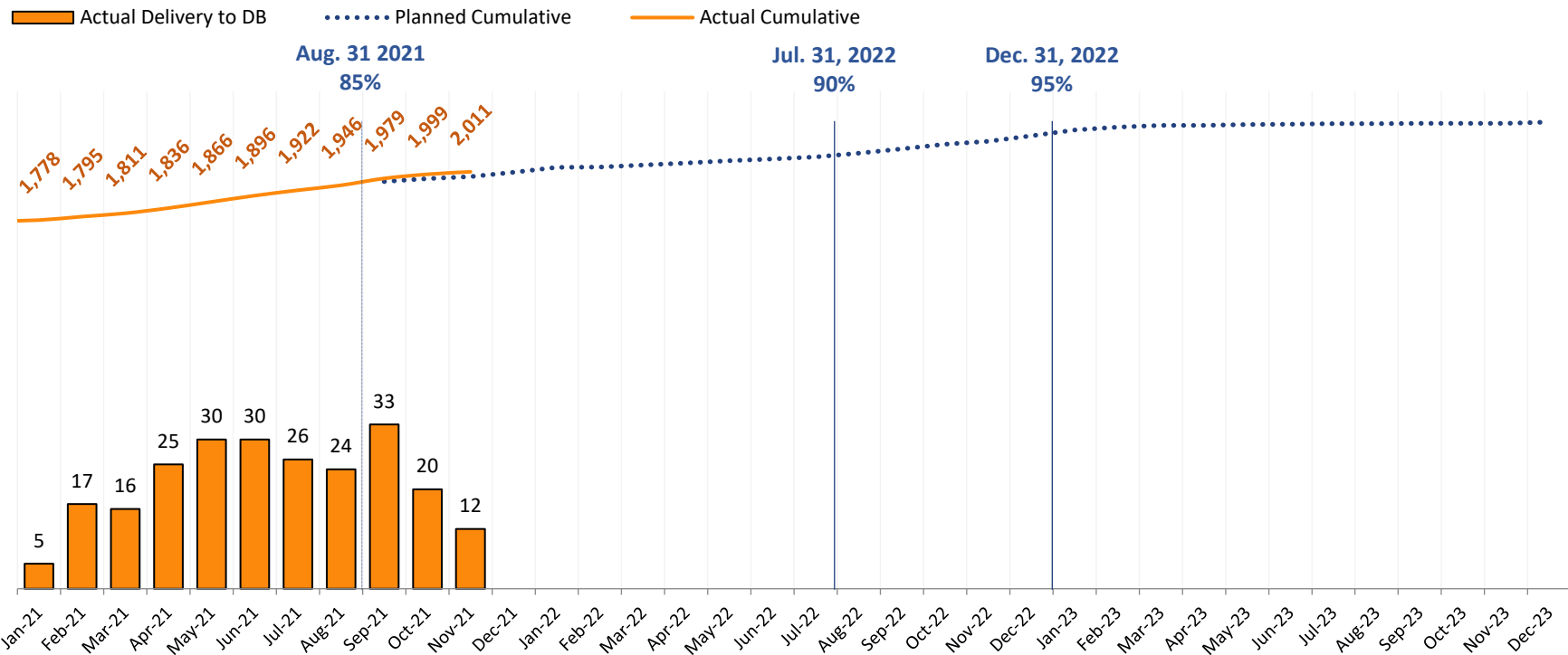
- The chart above incorporates provisional forecast numbers pending submission and approval of Revised Baseline Schedules (RBS) Revision 3.
- Total Structures: 93 each.
- Total Guideway: approximately 119 miles.
- Structures – 66 underway/substantially complete compared to 93 structures total. An increase of one from the previous period:
 - CP 1 – 26 structures underway/substantially complete.
 - CP 2-3 – 29 structures underway/substantially complete.
 - CP 4 – 11 structures underway/substantially complete.
- Guideway – 86 miles constructed/underway compared to 119 miles total. An increase of one mile from the previous period:
 - CP 1 – 16 miles underway/substantially complete.
 - CP 2-3 – 48 miles underway/substantially complete.
 - CP 4 – 22 miles underway/complete.

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

CP 1-4 – Right-of-Way (ROW) Summary

Construction Package	Total Needed Parcels November 30, 2021	Total Parcels Delivered to Date November 30, 2021	Remaining Parcels to be Delivered November 30, 2021
CP 1	1,058	979	79
CP 2-3	978	838	140
CP 4	238	194	44
Total	2,274	2,011	263

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



Notes:

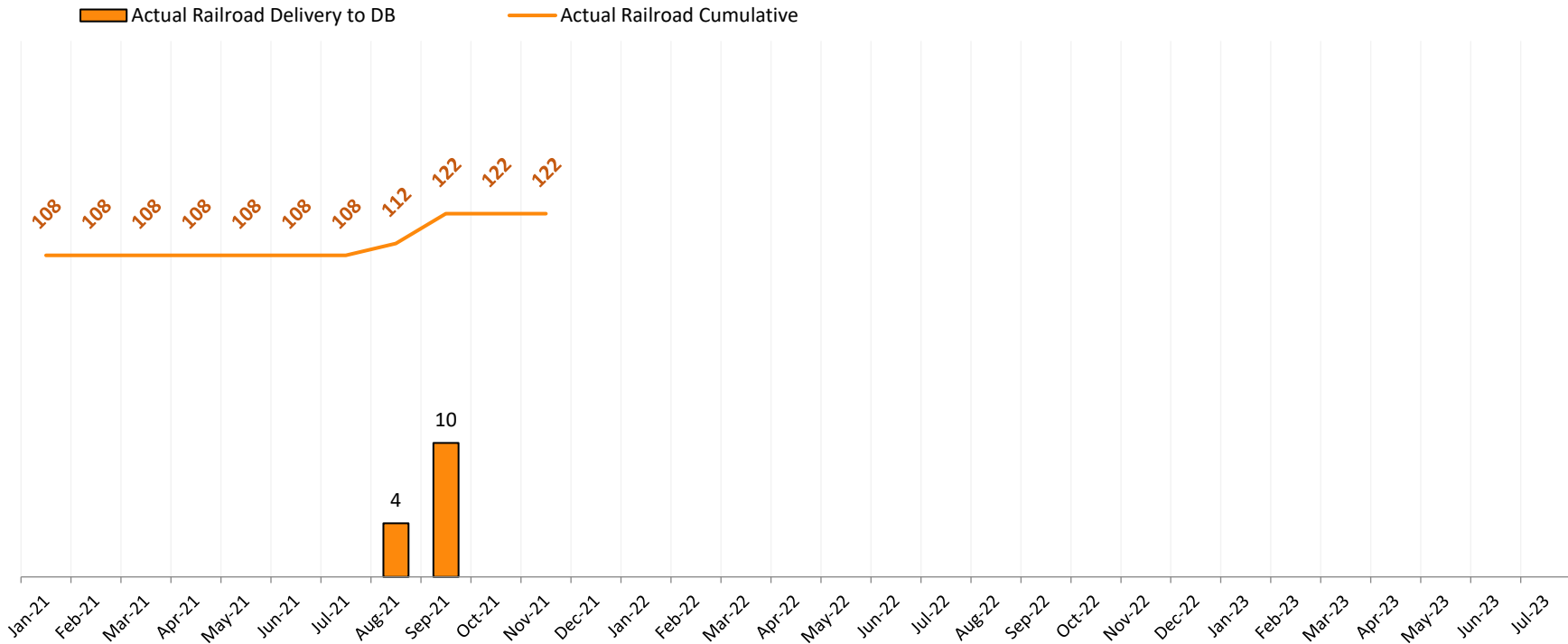
1. This reflects the actual parcels delivered to the Design-Builder by month compared to the planned delivery schedule which identifies 90% and 95% milestone completion for CP 1-4. The 90% and 95% milestone completion does not include any additional parcels that may be added.
2. Eleven parcels added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

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

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

Construction Package	Total Needed Railroad Parcels November 30, 2021	Total Railroad Parcels Delivered to Date November 30, 2021	Remaining Railroad Parcels to be Delivered November 30, 2021
CP 1	83	57	26
CP 2-3	56	36	20
CP 4	29	29	0
Total	168	122	46

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



Notes:

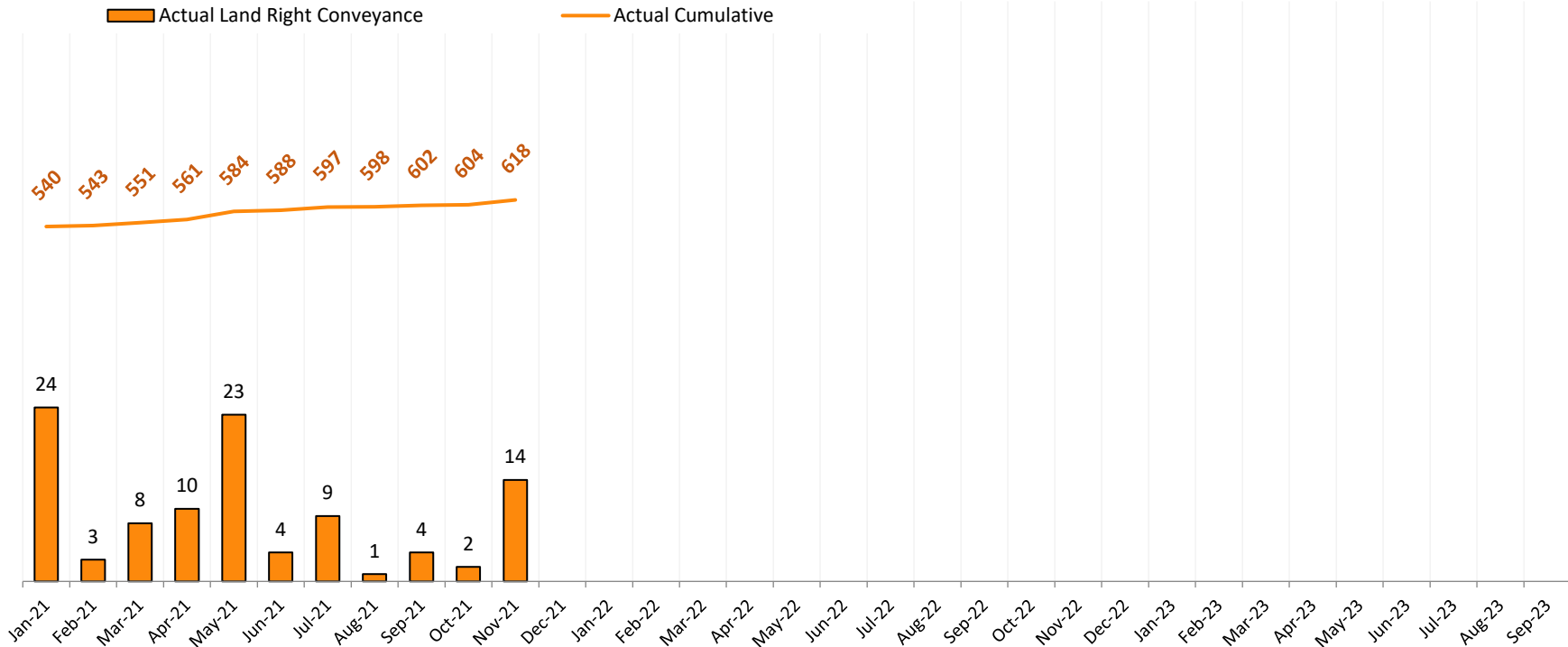
1. The Planned Cumulative line for Railroad Parcel Delivery is being adjusted to reflect Revised Baseline Schedule (RBS) Revision 3 and will be reflected in a subsequent report.
2. Total Needed Railroad Parcels adjusted by two parcels previously reflected private now classified Railroad.

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 November 30, 2021	Total Land Right Conveyances Approved ⁽³⁾ November 30, 2021	Remaining Land Right Conveyances to be Approved November 30, 2021
CP 1	439	331	108
CP 2-3	433	243	190
CP 4	88	44	44
Total	960	618	342

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.

Third-Party Agreements – 119-Mile Central Valley Segment

CP 1-4 – Look Ahead - Estimated Completion Timeline for Critical Third-Party Agreements

Entity	Project Section	Result of Resolution	Previous Estimated Completion	Current Estimated Completion
City of Wasco	CP 4	<p>Covers transfer of ROW between Authority and City of Wasco. Grants immediate right of possession to Authority and use of existing ROW for construction.</p> <p>The Authority is currently in active negotiations with City of Wasco. Latest updated draft was provided to City of Wasco for review in October 2021.</p>	Jul-20	Dec-21
City of Wasco	CP 4	<p>Defines ownership and maintenance of grade separations between Authority and City of Wasco in perpetuity.</p> <p>The Authority is currently in active negotiations with City of Wasco. Latest updated draft was provided to City of Wasco for review in October 2021.</p>	Jul-20	Dec-21
City of Wasco	CP 4	<p>Grade Separation Agreement details the parties' obligations regarding design and construction work for Poso Avenue grade separation, Poso and J Street extensions, 6th Street closure, and Amtrak pedestrian underpass.</p> <p>The Authority is currently in active negotiations with the City of Wasco. Latest updated draft was provided to City of Wasco for review in October 2021.</p>	N/A	Dec-21

CONSTRUCTION PACKAGE 1 (CP 1) OVERVIEW⁽¹⁾

CP 1 – Design-Build Contract Summary⁽²⁾

Milestones

Milestone	Date
Request for Quote (RFQ) Date:	11/15/2011
Statement of Qualification (SOQ) Date:	12/19/2011
Request for Proposal (RFP) Date:	03/22/2012
Proposal:	01/18/2013
Bid Open Date:	04/13/2013
Award Date:	08/16/2013
Notice to Proceed (NTP) 1 Date:	10/15/2013
Notice to Proceed (NTP) 2 Date:	11/22/2013
Notice to Proceed (NTP) 3 Date:	07/11/2014
Original Completion Date:	03/31/2018
Current Forecast Contract Completion Date ⁽³⁾ :	03/04/2024
Current Forecast Substantial Completion Date⁽⁴⁾:	12/29/2023

Contract Value

Description	Amount
Fixed Bid Price:	\$969,988,000.00
Provisional Sums:	\$53,000,000.00
Original Contract Price:	\$1,022,988,000.00
Executed Change Orders:	\$1,403,756,932.94
Current Contract Amount:	\$2,426,744,932.94
Approved Invoices to Date:	\$1,628,900,932.45
Remaining Contract Balance:	\$797,844,000.49

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 11/30/2021):	2,968

Expended to Date

Description	Percentage
Time:	79.6%
Dollars:	67.1%

Growth Percentage

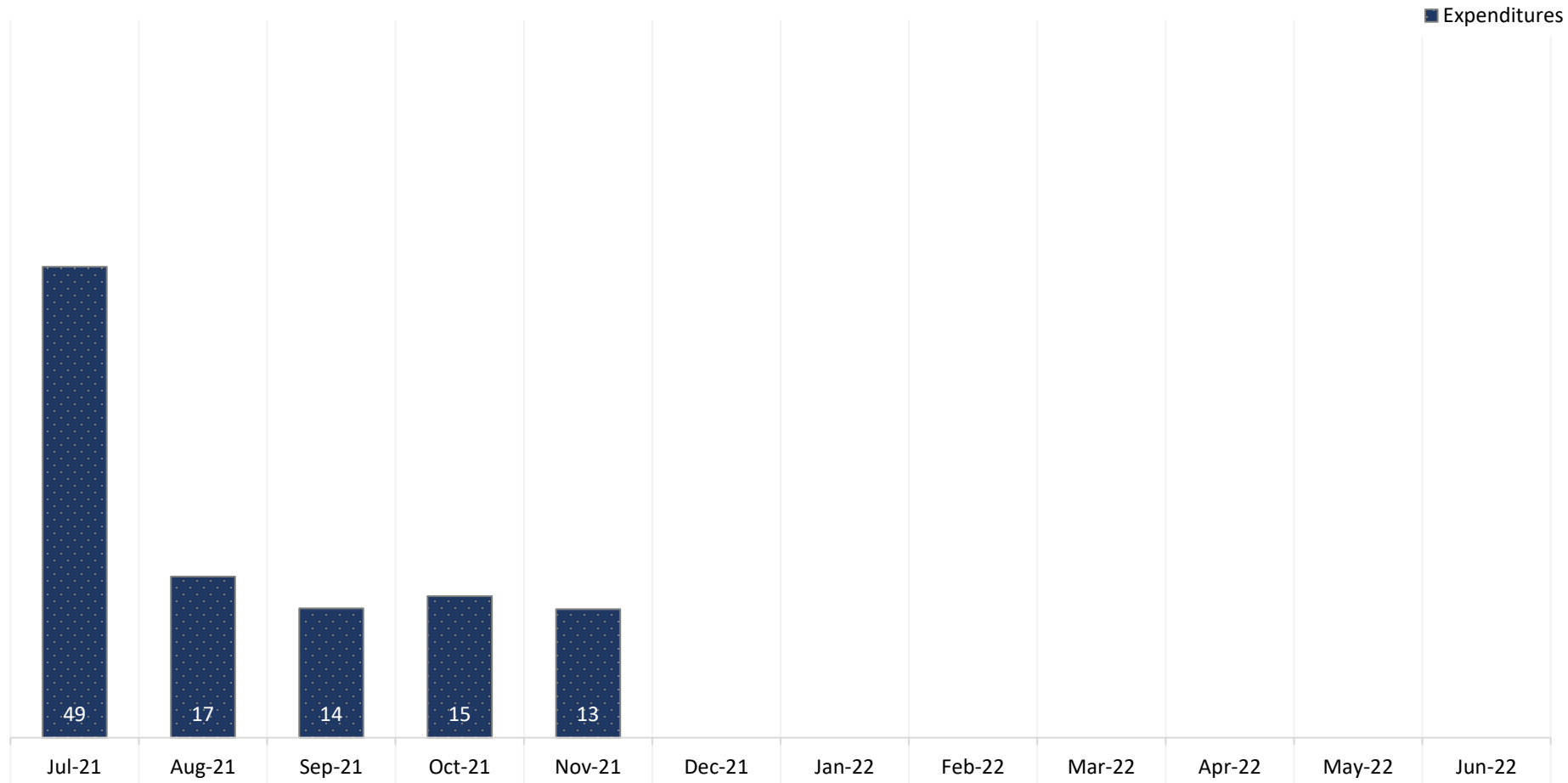
Description	Percentage
Time:	128.9%
Dollars:	137.2%

Notes:

- Information in this section is coming from data provided by the PCM – Monthly Status Report.
- Updated to align with Current Substantial Completion Date based on Expenditure Authorization (pending executed change order).
- Expenditure Authorization Current Forecast Substantial Completion Date (pending executed change order) – December 29, 2023.
- Contract Time Status (Extension of Time Awarded and Current Forecast Contract Days), Expended to Date (Time), and Growth Percentage (Time) calculation is based on the Current Forecast Substantial Completion Date.

CP 1 – Design-Build Expenditures

CP 1 – Monthly Expenditures (\$ Millions)



Notes:

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

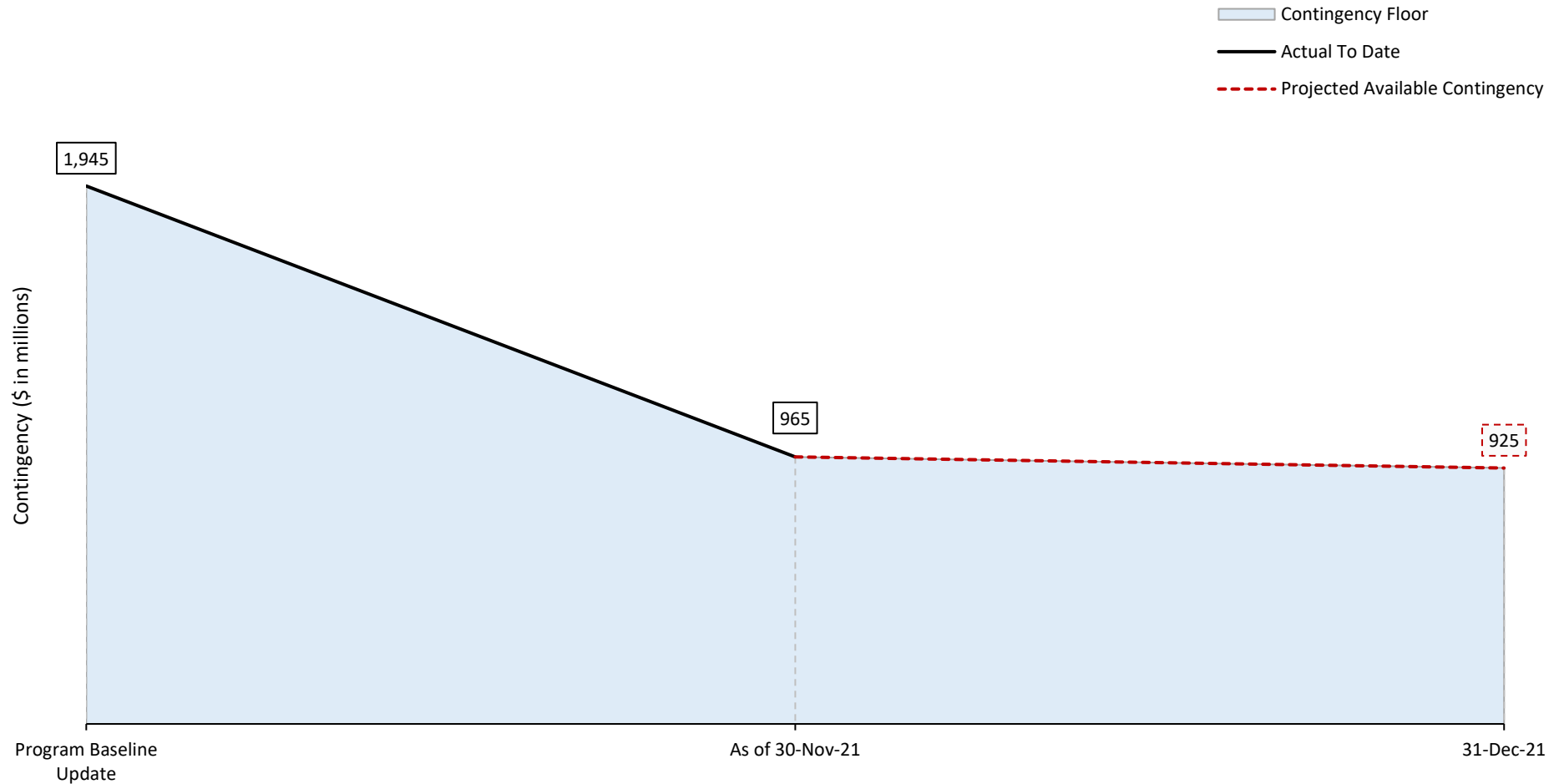
CP 1 – Change Orders

CP 1 – Change Order Status

CO Number	Title	Change Status	Amount	Executed Date
00382	Road 27 Fiber Optic Relocation for Comcast - Construction and Third-Party ROM Only	Executed	\$54,095	02-Nov-21
00395	Road 27 Fiber Optic Relocation for Comcast Scope - Construction	Executed	\$30,709	02-Nov-21
TOTAL			\$84,804	

CP 1 – Risk Contingency

CP 1 – Risk Contingency Status

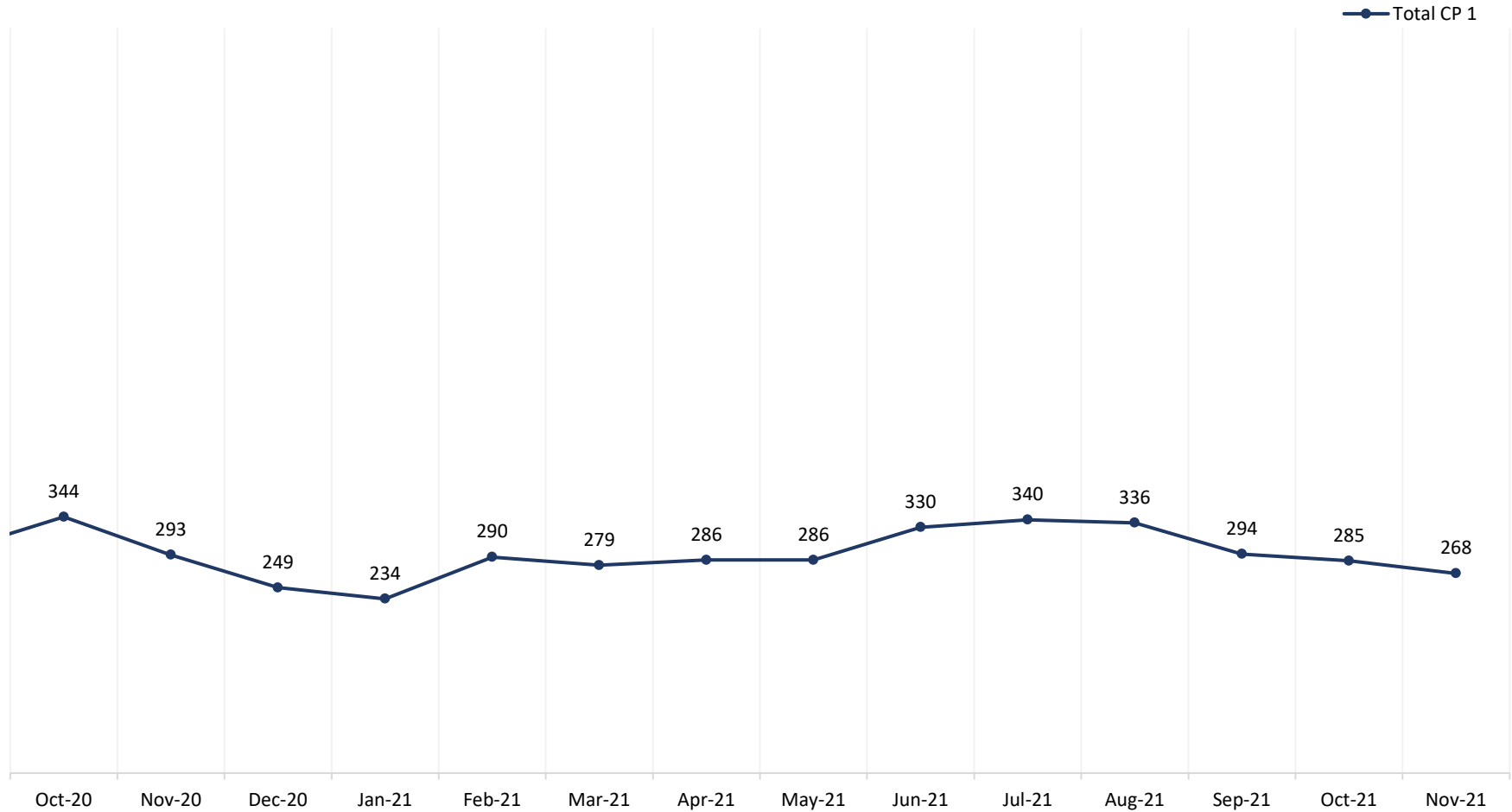


Notes:

1. Contingency balance updated to reflect the Board’s adoption of Resolution #HSR21-11 (Expenditure Authorization Increase). The contingency drawdown curve is under development pending the Midyear Forecast update.
2. The above Actual to Date reflects projected contingency drawdown for the entire CP 1 Project. Projected Available Contingency through the end of the current quarter (31-Dec-21) is based on the DB contingency drawdown only. Contingency Report Charts have been updated based on updated change order forecasts.
3. Remaining contingency balance reflects executed change orders and Business Oversight Committee (BOC) approved items.

CP 1 – Monthly Construction Labor

CP 1 – Monthly Construction Workforce Total – Actual

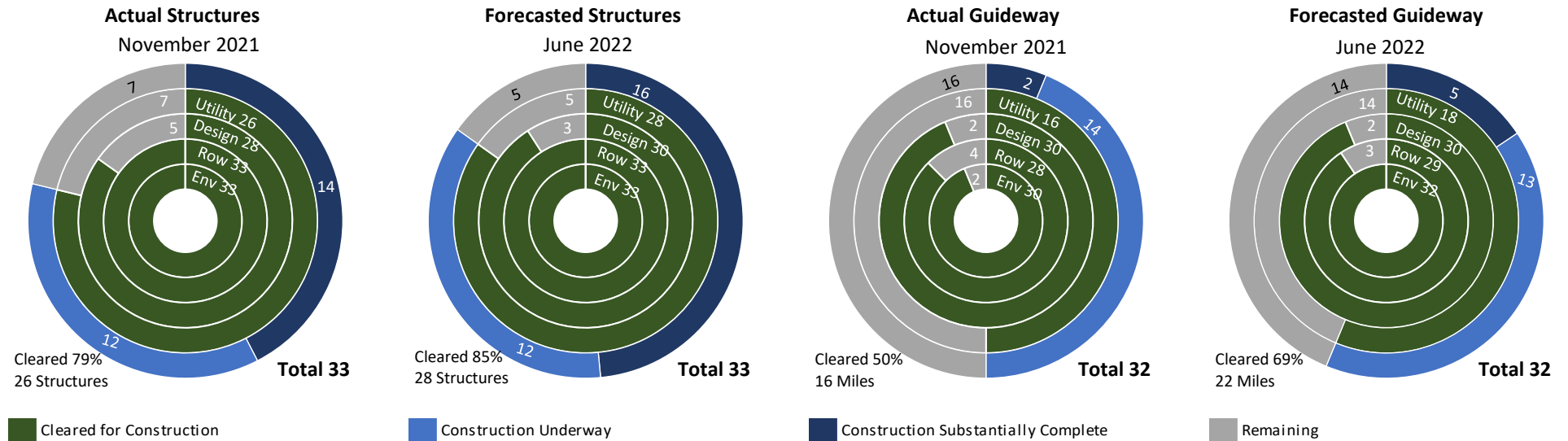


Notes:

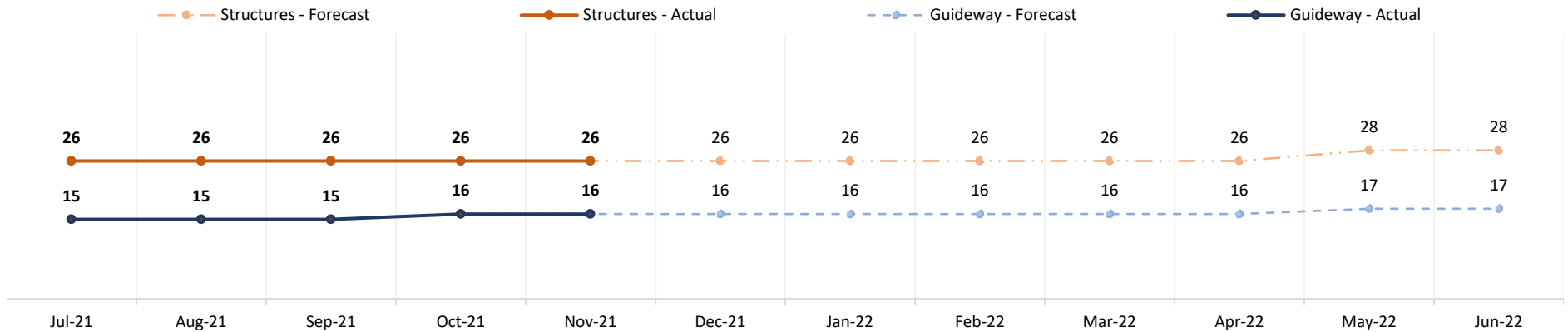
1. The construction labor numbers (full-time employees) are based on the weekly totals divided by the number of weeks within the working calendar month and represents the Average Daily Site Workers (by Week).
2. A decrease of 17 workers from the previous month (466) attributable to the seasonal fluctuations caused by the holidays and wet weather.

CP 1 – Construction Progress

CP 1 – Construction Progress



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



Notes:

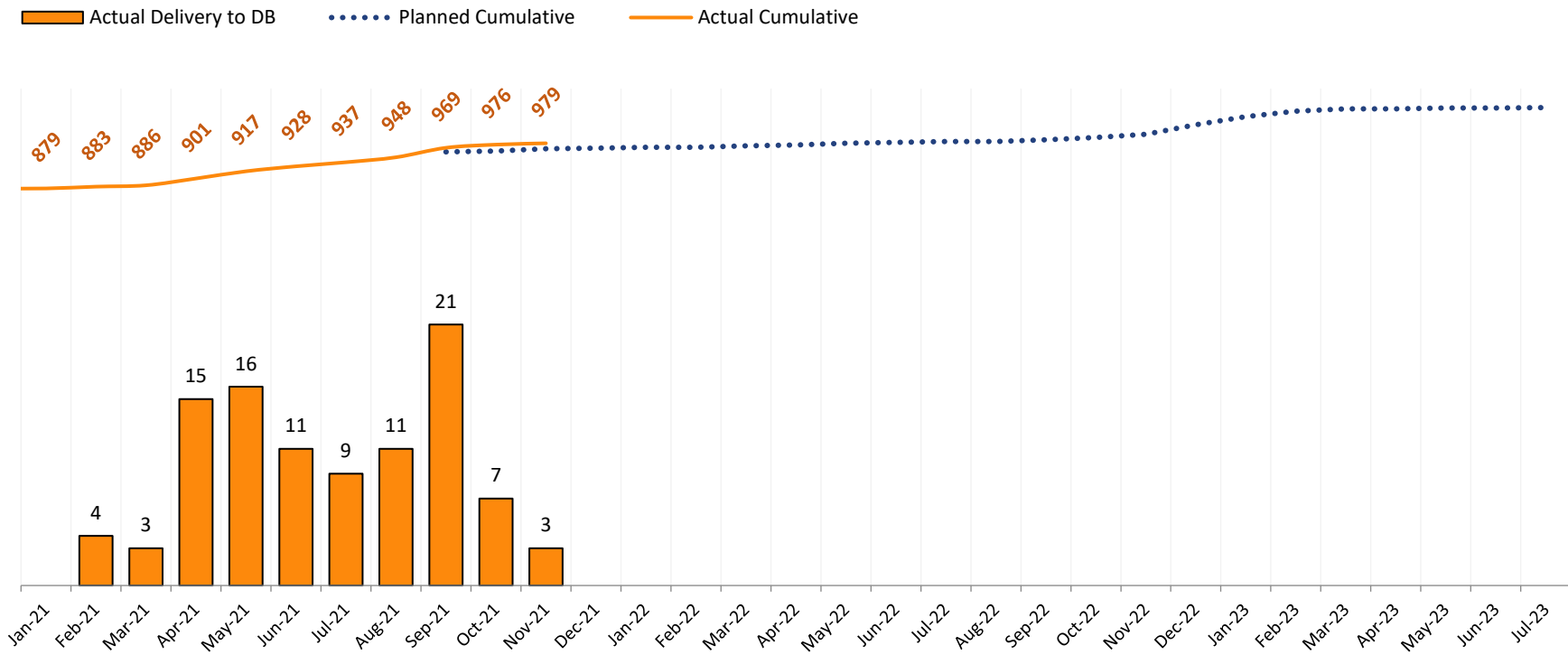
1. The circle charts above incorporate Revised Baseline Schedules (RBS) Revision 2 data pending RBS Revision 3 updates.
2. The line chart above incorporates provisional forecast numbers pending submission and approval of RBS Revision 3.
3. Total Structures: 33 structures:
 - a. 26 structures underway/substantially complete.
4. Total Guideway: 32 miles:
 - a. 16 miles underway/substantially complete.

CP 1 – Right-of-Way (ROW) Summary

CP 1-4 – Right-of-Way (ROW) Summary

Construction Package	Total Needed Parcels November 30, 2021	Total Parcels Delivered to Date November 30, 2021	Remaining Parcels to be Delivered November 30, 2021
CP 1	1,058	979	79

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



Notes:

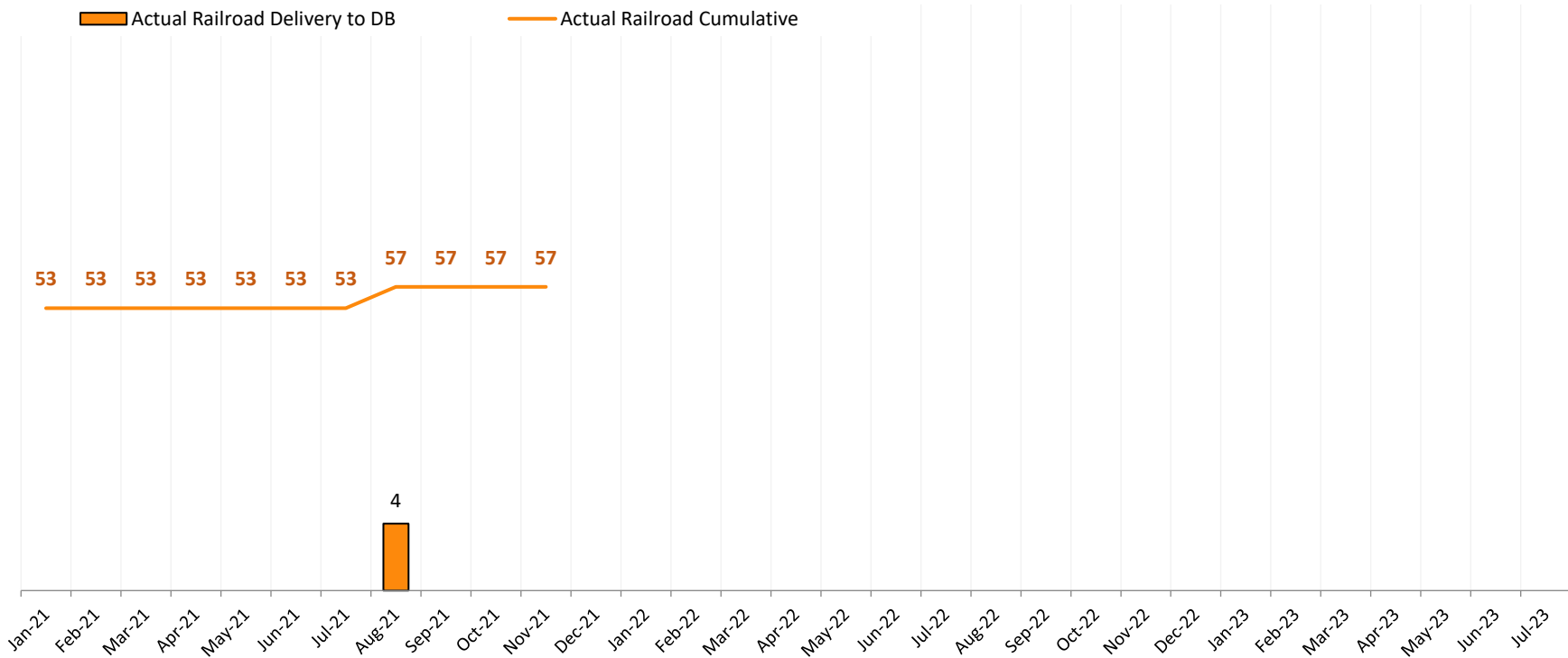
1. This reflects the actual parcels delivered to the Design-Builder by month and projection based on the Revised Baseline Schedules (RBS) Revision 3.

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

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

Construction Package	Total Needed Railroad Parcels November 30, 2021	Total Railroad Parcels Delivered to Date November 30, 2021	Remaining Railroad Parcels to be Delivered November 30, 2021
CP 1	83	57	26

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



Note:

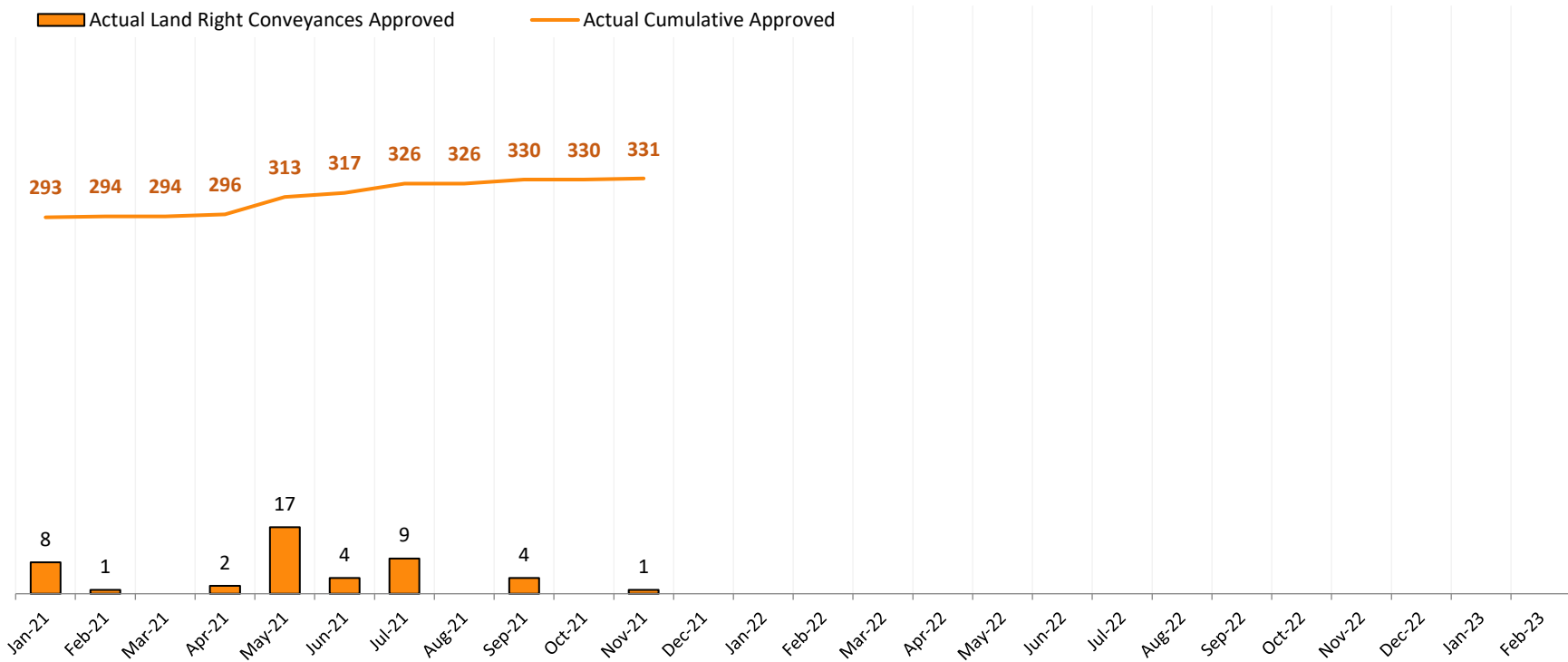
1. The Planned Cumulative line for Railroad Parcel Delivery is being adjusted to reflect Revised Baseline Schedule (RBS) Revision 3 and will be reflected in a subsequent report.

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 November 30, 2021	Total Land Right Conveyances Approved ⁽³⁾ to Date November 30, 2021	Remaining Land Right Conveyances to be Approved November 30, 2021
CP 1	439	331	108

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



Notes:

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

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

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

Milestones

Milestone	Date
Request for Quote (RFQ) Date:	10/09/2013
Statement of Qualification (SOQ) Date:	12/13/2013
Request for Proposal (RFP) Date:	04/03/2014
Proposal:	10/30/2014
Bid Open Date:	12/11/2014
Award Date:	06/10/2015
Late Notice to Proceed (LNTP) Date:	06/12/2015
Notice to Proceed (NTP) Date:	07/25/2015
Original Completion Date:	08/19/2019
Current Forecast Contract Completion Date ⁽³⁾ :	03/06/2024
Current Forecast Substantial Completion Date⁽⁴⁾:	12/31/2023

Contract Value

Description	Amount
Fixed Bid Price:	\$1,205,335,890.00
Provisional Sums:	\$160,000,000.00
Original Contract Price:	\$1,365,335,890.00
Executed Change Orders:	\$788,227,339.42
Current Contract Amount:	\$2,153,563,229.42
Approved Invoices to Date:	\$1,459,513,746.64
Remaining Contract Balance:	\$694,049,482.78

Contract Time Status

Description	Duration
Original Contract Days:	1,486
Extension of Time Awarded:	1,595
Current Forecast Contract Days:	3,081
Calendar Days Worked (thru 11/30/2021):	2,320

Expended to Date Percentage

Description	Percentage
Time:	75.3%
Dollars:	67.8%

Growth Percentage

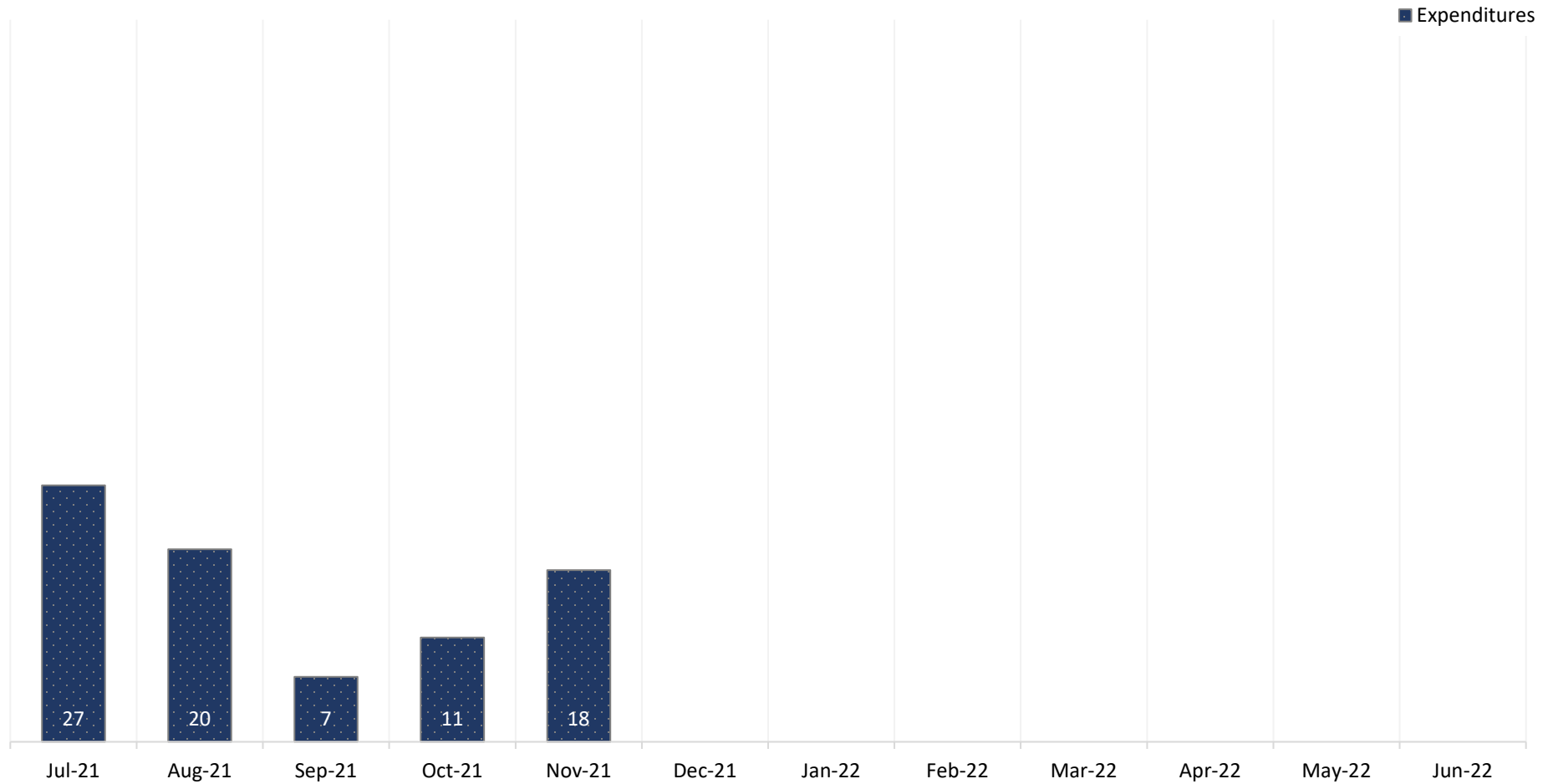
Description	Percentage
Time:	107.3%
Dollars:	57.7%

Notes:

- Information in this section is coming from data provided by the PCM – Monthly Status Report.
- Updated to align with Current Substantial Completion Date based on Expenditure Authorization (pending executed change order).
- Expenditure Authorization Current Forecast Substantial Completion Date (pending executed change order) – December 31, 2023.
- Contract Time Status (Extension of Time Awarded and Current Forecast Contract Days) Expended to Date (Time), and Growth Percentage (Time) calculation is based on the Current Forecast Substantial Completion Date.

CP 2-3 – Design-Build Expenditures

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



Notes:

1. Expenditures in the chart above are specific to the Design-Builder production and based on the Capital Outlay and Expenditure Report.
2. ROW acquisition delayed at various locations. ROW resolution at Dutch John opens the entire Dutch John Viaduct area for construction, which facilitates an increase in production.

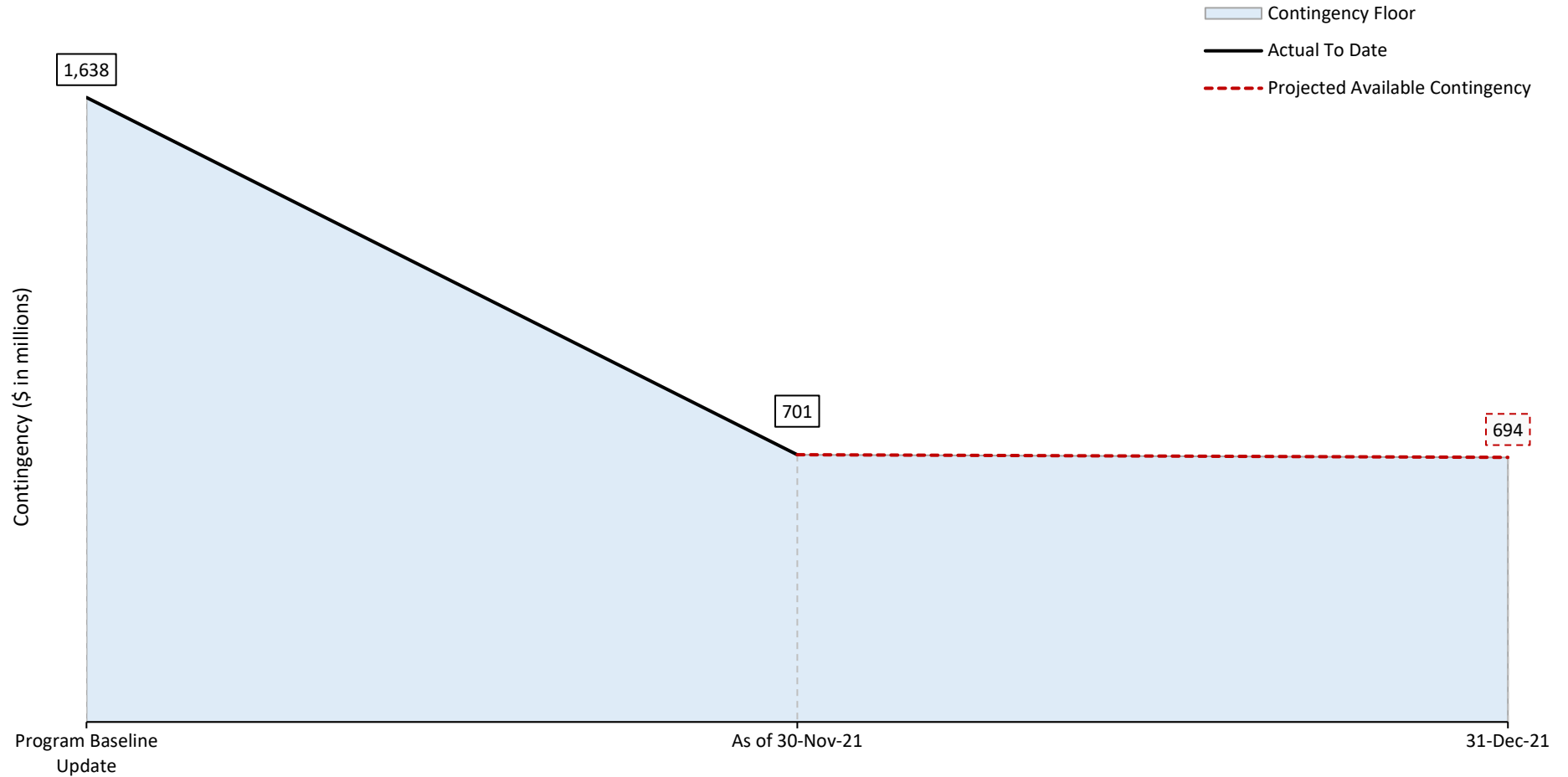
CP 2-3 – Change Orders

CP 2-3 – Change Order Status

CO Number	Title	Change Status	Amount	Executed Date
00270	HSR Embankment Change at Settlers Ditch per DL 144	Executed	\$21,115	17-Nov-21
00157.1	Bevins Lateral Temporary Pass	Executed	\$22,261	12-Nov-21
00271	Angiola Canal Redesign	Executed	\$56,130	02-Nov-21
TOTAL			\$99,506	

CP 2-3 – Risk Contingency

CP 2-3 – Risk Contingency Status

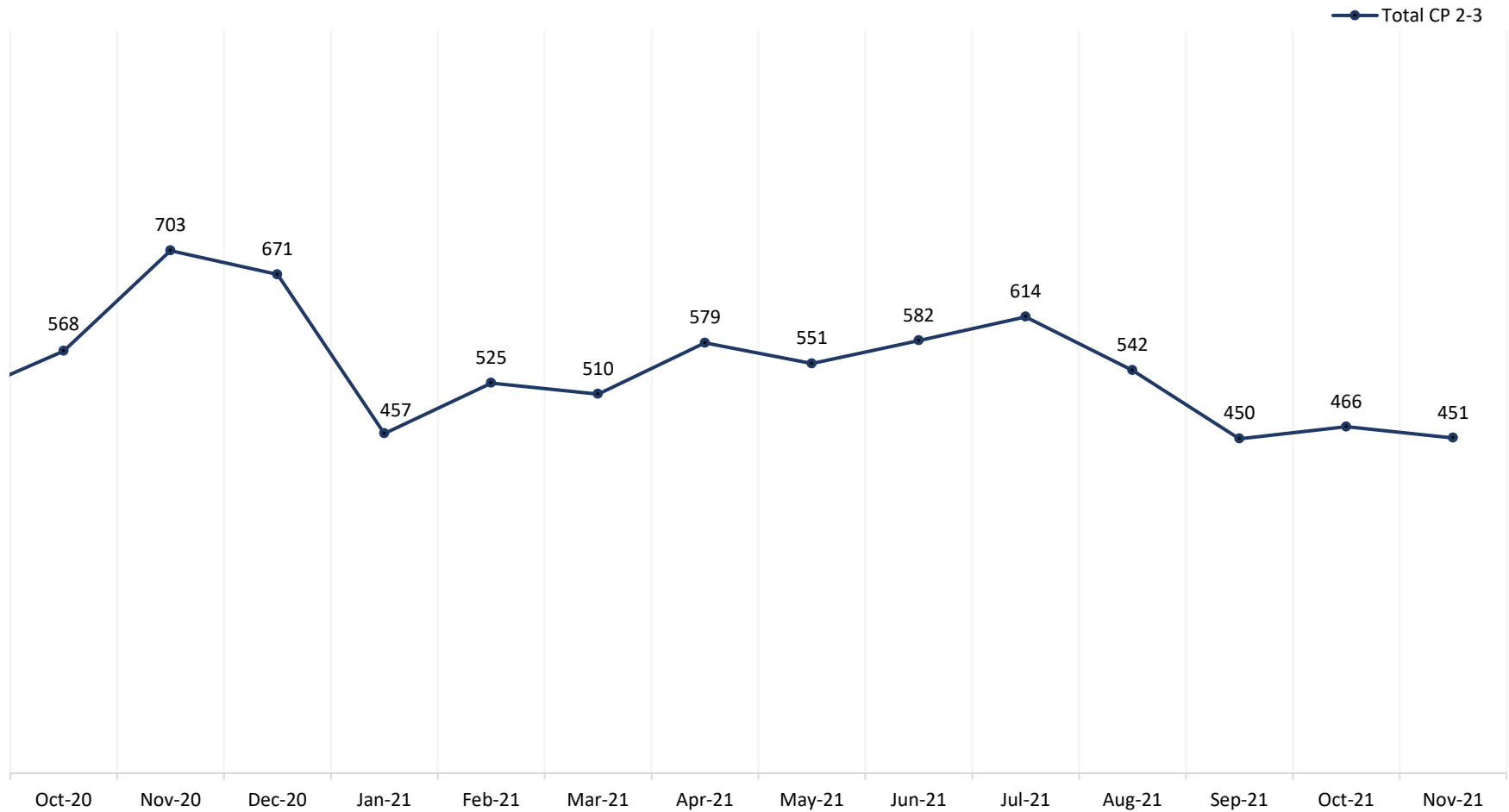


Notes:

1. Contingency balance updated to reflect the Board’s adoption of Resolution #HSR21-11 (Expenditure Authorization Increase). The contingency drawdown curve is under development pending the Midyear Forecast update.
2. The above Actual to Date reflects projected contingency drawdown for the entire CP 2-3 Project. Projected Available Contingency through the end of the current quarter (31-Dec-21) is based on the DB contingency drawdown only. Contingency Report Charts have been updated based on updated change order forecasts.
3. Remaining contingency balance reflects executed change orders and Business Oversight Committee (BOC) approved items.

CP 2-3 – Monthly Construction Labor

CP 2-3 – Monthly Construction Workforce Total – Actual

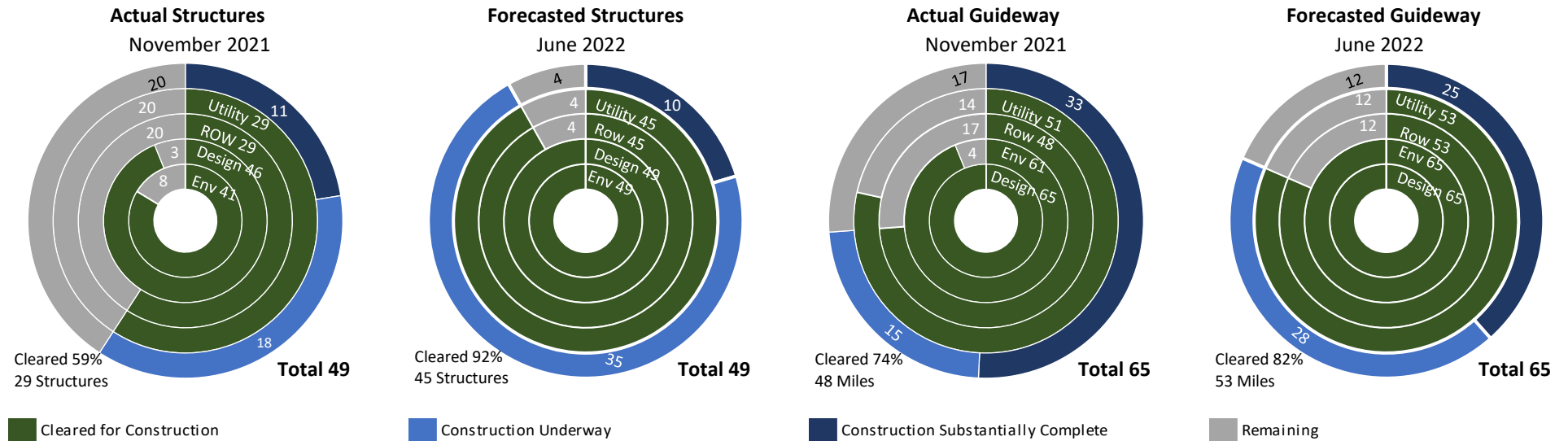


Notes:

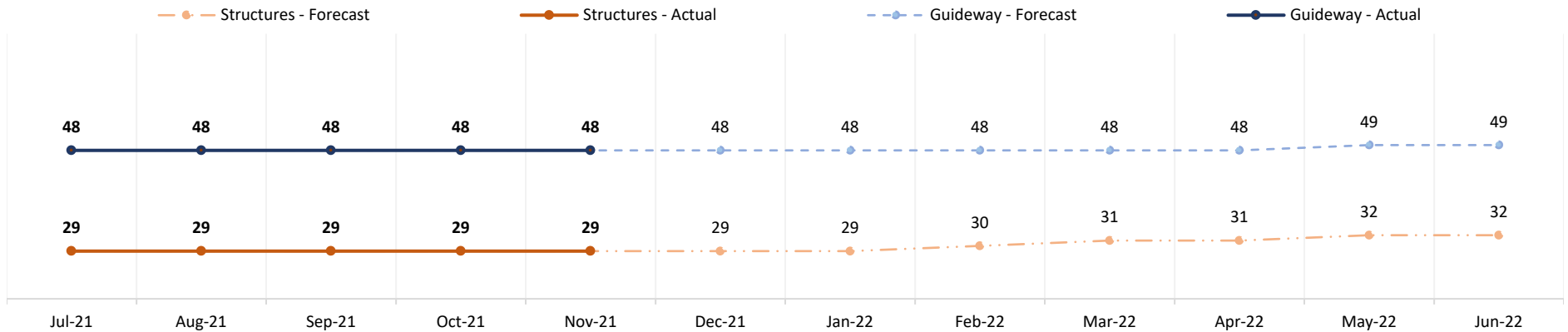
1. The construction labor numbers (full-time employees) are based on the weekly totals divided by the number of weeks within the working calendar month and represents the Average Daily Site Workers (by Week).
2. A decrease of 15 workers from the previous month (466) attributable to the seasonal fluctuations caused by the holidays and wet weather.

CP 2-3 – Construction Progress

CP 2-3 – Construction Progress



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



Notes:

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

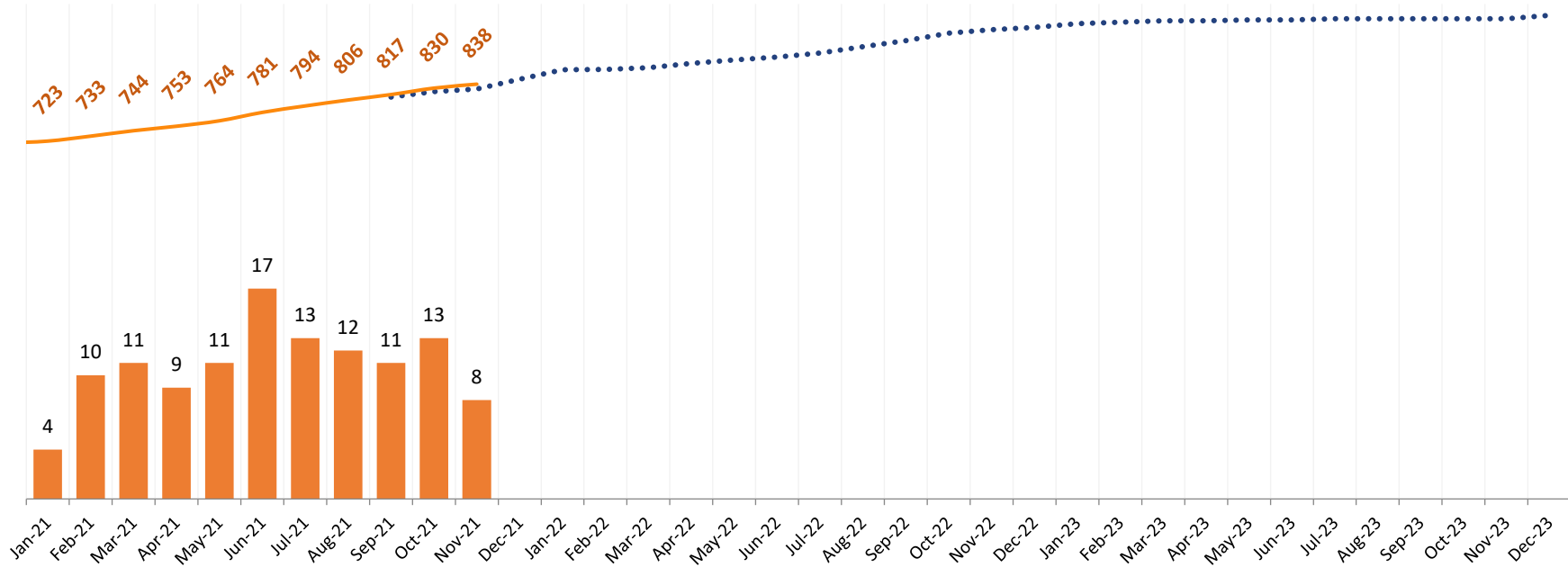
CP 2-3 – Real Property/Right-of-Way (ROW)

CP 2-3 – Right-of-Way (ROW) Summary

Construction Package	Total Needed Parcels November 30, 2021	Total Parcels Delivered to Date November 30, 2021	Remaining Parcels to be Delivered November 30, 2021
CP 2-3	978	838	140

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

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



Notes:

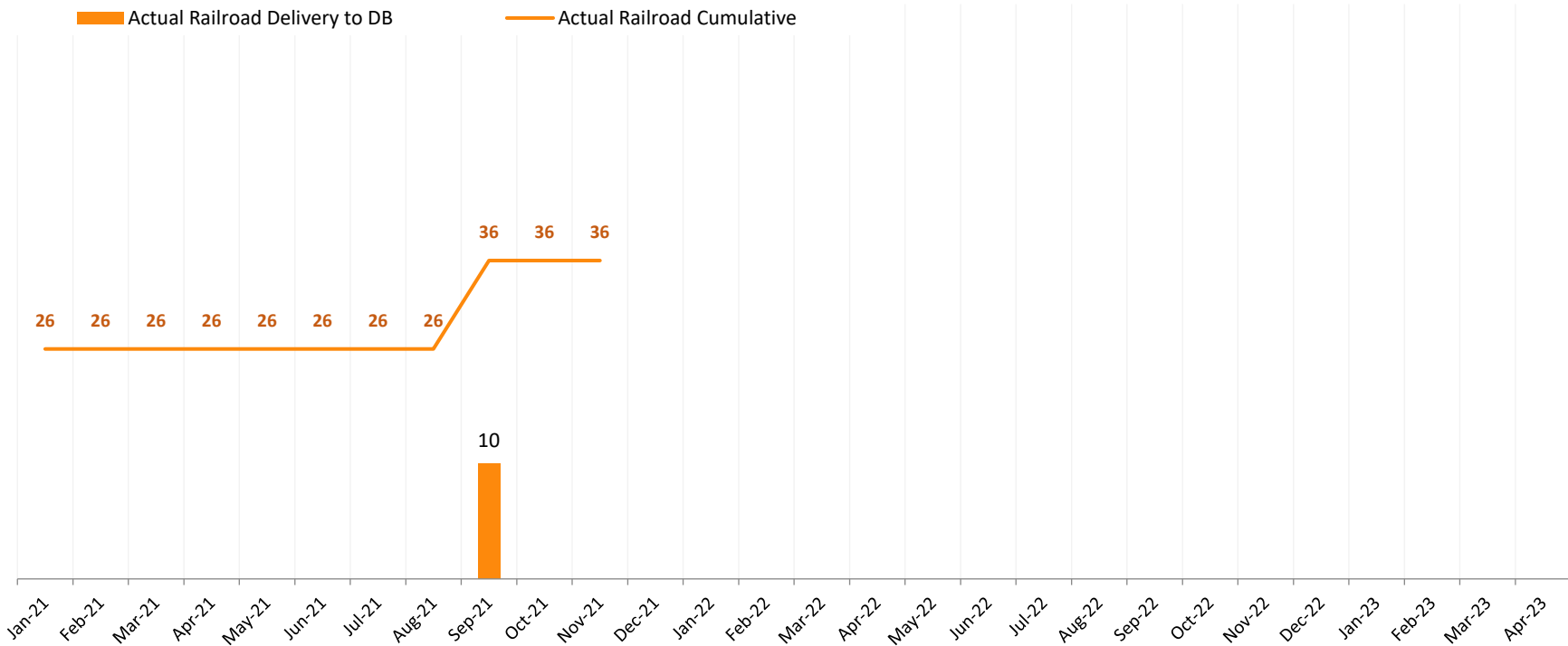
1. This reflects the actual parcels delivered to the Design-Builder by month and projection based on the Revised Baseline Schedule (RBS) Revision 3.
2. Seven CP 2-3 parcels added and two reclassified under Railroad. Net increase of five parcels.

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 November 30, 2021	Total Railroad Parcels Delivered to Date November 30, 2021	Remaining Railroad Parcels to be Delivered November 30, 2021
CP 2-3	56	36	20

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



Note:

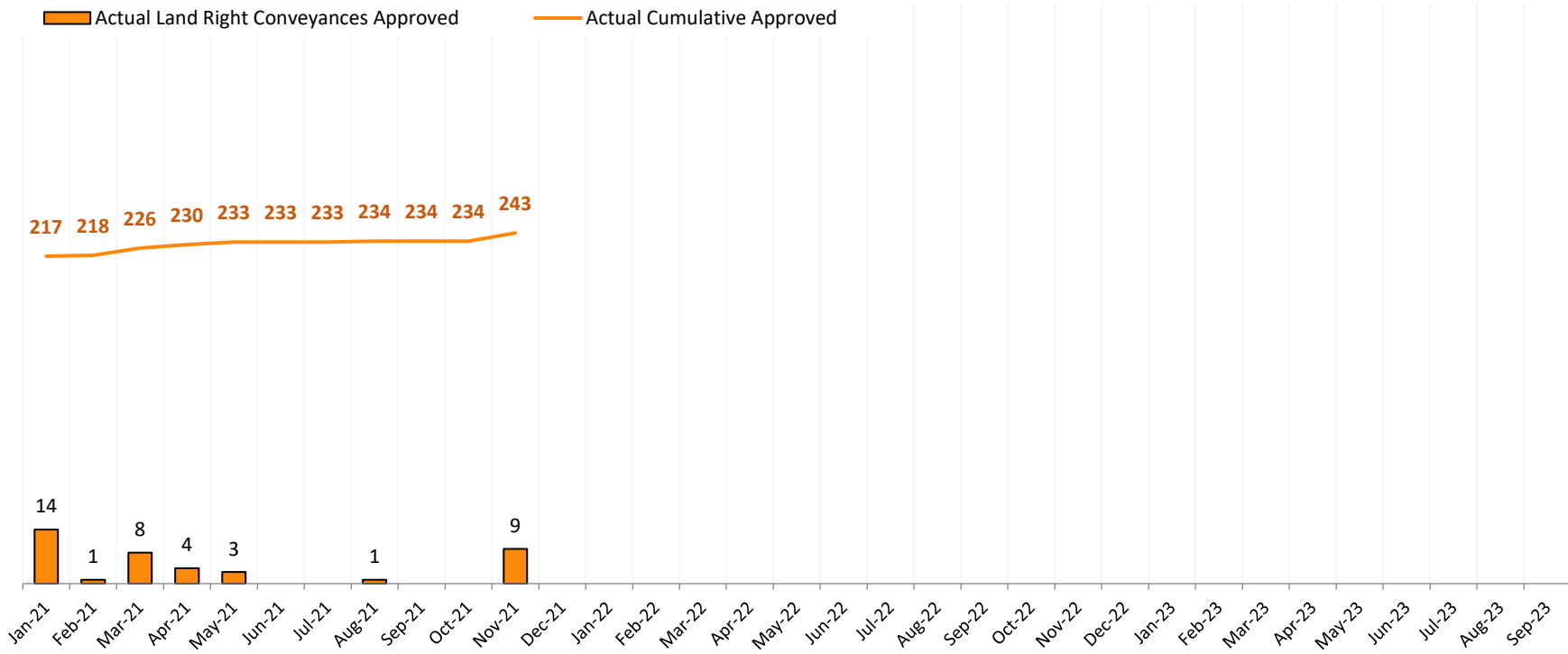
1. The Planned Cumulative line for Railroad Parcel Delivery is being adjusted to reflect Revised Baseline Schedule (RBS) Revision 3 and will be reflected in a subsequent report.
2. Total Needed Railroad Parcels adjusted by two parcels previously reflected private now classified as Railroad.

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 November 30, 2021	Total Land Right Conveyances Approved ⁽³⁾ to Date November 30, 2021	Remaining Land Right Conveyances to be Approved November 30, 2021
CP 2-3	433	243	190

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⁾ :	08/10/2022
Current Forecast Substantial Completion Date⁽⁴⁾:	06/22/2022

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:	\$210,021,669.51
Current Contract Amount:	\$654,268,669.51
Approved Invoices to Date:	\$498,184,211.00
Remaining Contract Balance:	\$156,084,458.51

Current Time Status

Description	Duration
Original Contract Days:	1,144
Extension of Time Awarded:	1,115
Current Forecast Contract Days:	2,259
Calendar Days Worked (thru 11/30/2021):	2,055

Expended to Date

Description	Percentage
Time:	91.0%
Dollars:	76.1%

Growth Percentage

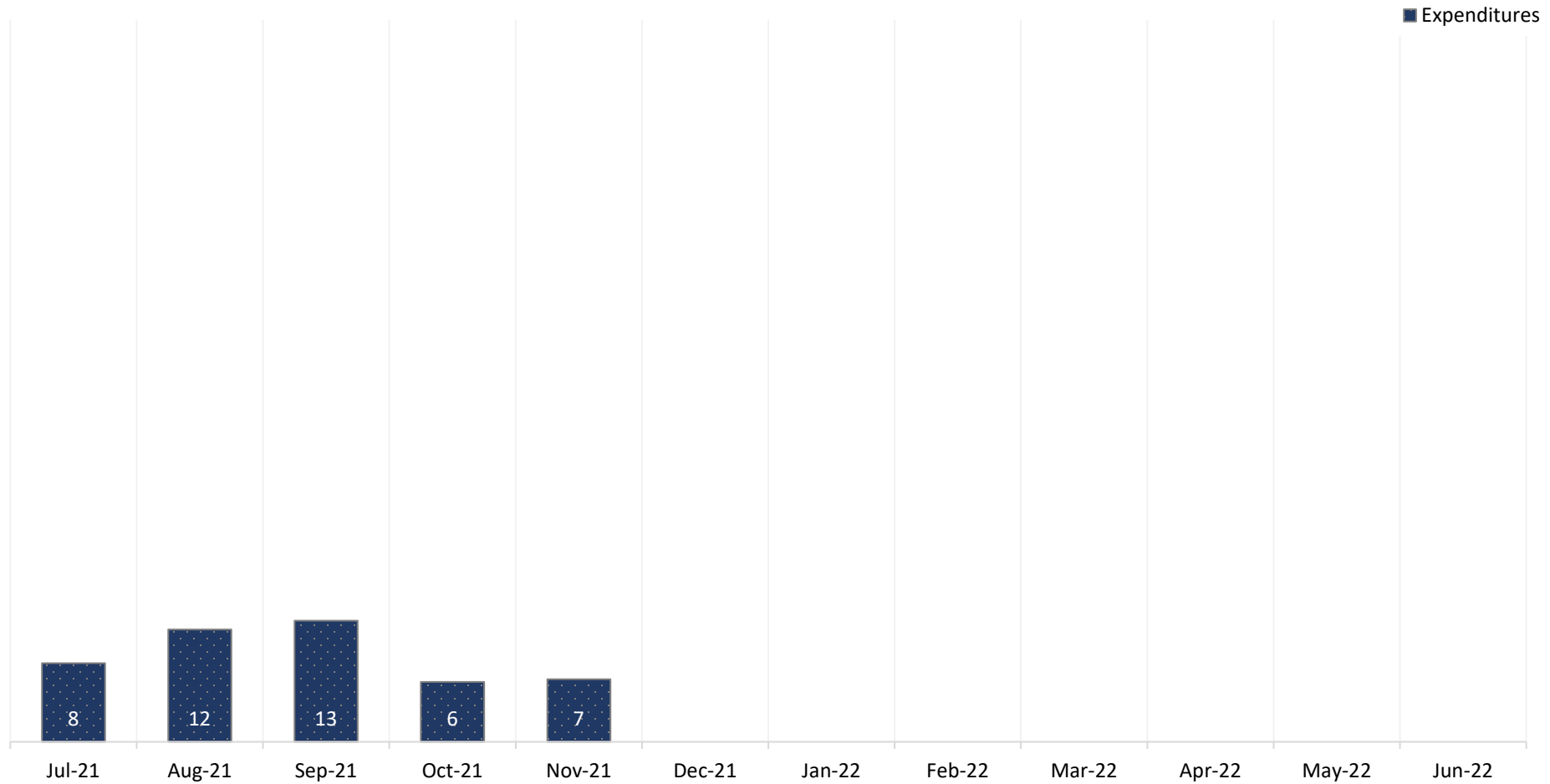
Description	Percentage
Time:	97.5%
Dollars:	47.3%

Notes:

- Information in this section is coming from data provided by the PCM – Monthly Status Report.
- Updated to align with Current Substantial Completion Date based on Expenditure Authorization (pending executed change order).
- Expenditure Authorization Current Forecast Substantial Completion Date (pending executed change order) – June 22, 2022.
- Contract Time Status (Extension of Time Awarded and Current Forecast Contract Days) Expended to Date (Time), and Growth Percentage (Time) calculation is based on the Current Forecast Substantial Completion Date.

CP 4 – Design-Build Expenditures

CP 4 – Monthly Expenditures (\$ Millions)



Notes:

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

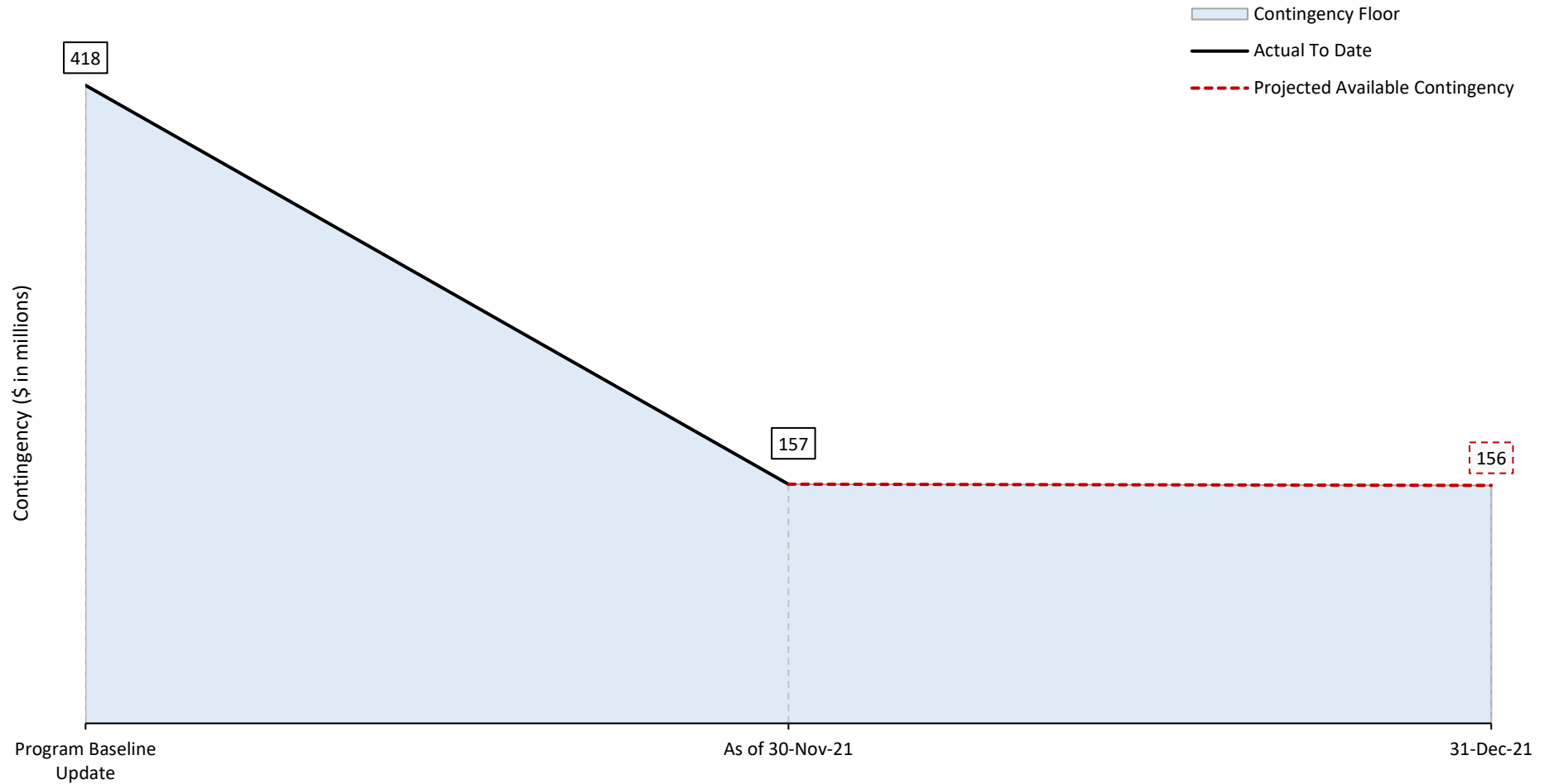
CP 4 – Change Orders

CP 4 – Change Order Status

CO Number	Title	Change Status	Amount	Executed Date
107	Reimbursement of CDFW Fees	Executed	\$113,459	04-Nov-21
111	Mitigation measures to reduce the delays resulting from the limitation of Form Bs	Executed	\$300,000	05-Nov-21
113	SR46 Get-to-Work Effort at Abutment 3	Executed	\$85,904	17-Nov-21
115	Additional insurance premium costs resulting from Change Orders increasing the Contract Price	Executed	\$977,069	17-Nov-21
TOTAL			\$1,476,432	

CP 4 – Risk Contingency

CP 4 – Risk Contingency Status

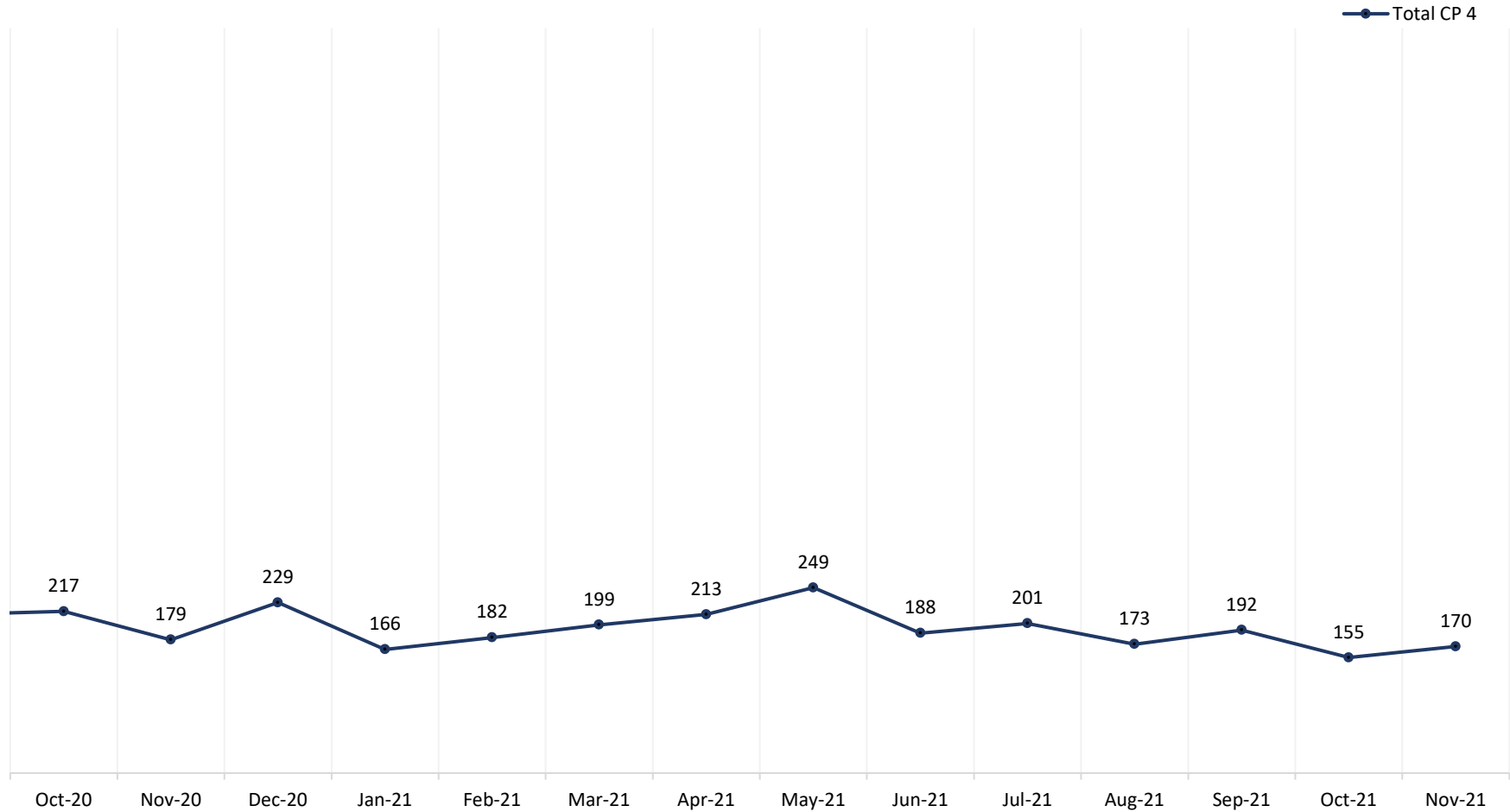


Notes:

1. Contingency balance updated to reflect the Board’s adoption of Resolution #HSR21-11 (Expenditure Authorization Increase). The contingency drawdown curve is under development pending the Midyear Forecast update.
2. The above Actual to Date reflects projected contingency drawdown for the entire CP 4 Project. Projected Available Contingency through the end of the current quarter (31-Dec-21) is based on the DB contingency drawdown only. Contingency Report Charts have been updated based on updated change order forecasts.
3. Remaining contingency balance reflects executed change orders and Business Oversight Committee (BOC) approved items.

CP 4 – Monthly Construction Labor

CP 4 – Monthly Construction Workforce Total – Actual

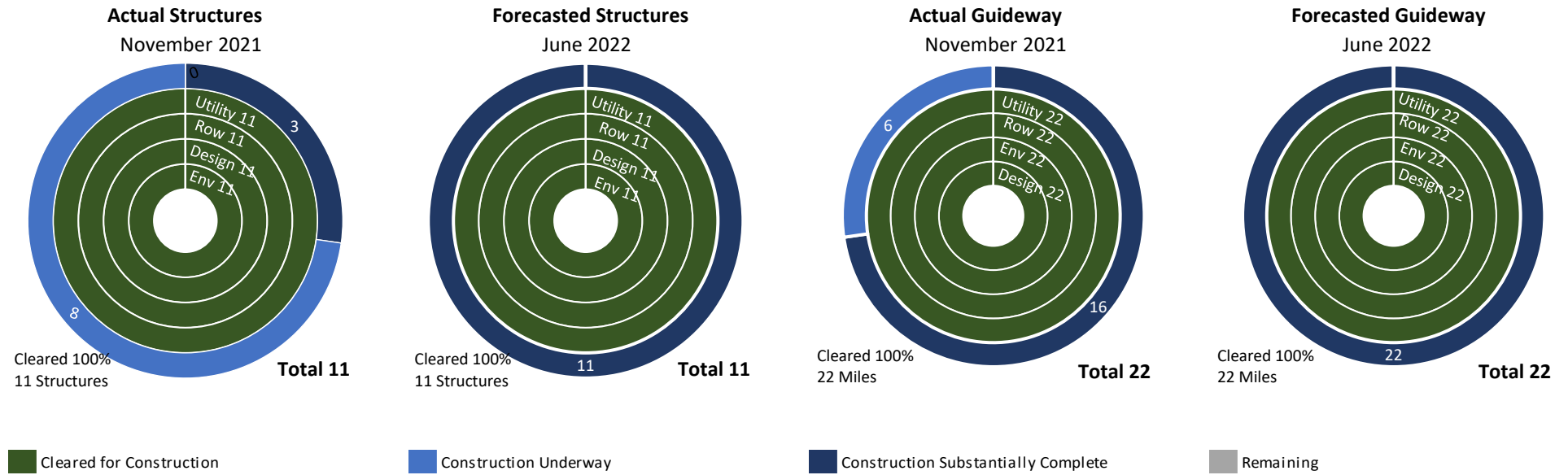


Notes:

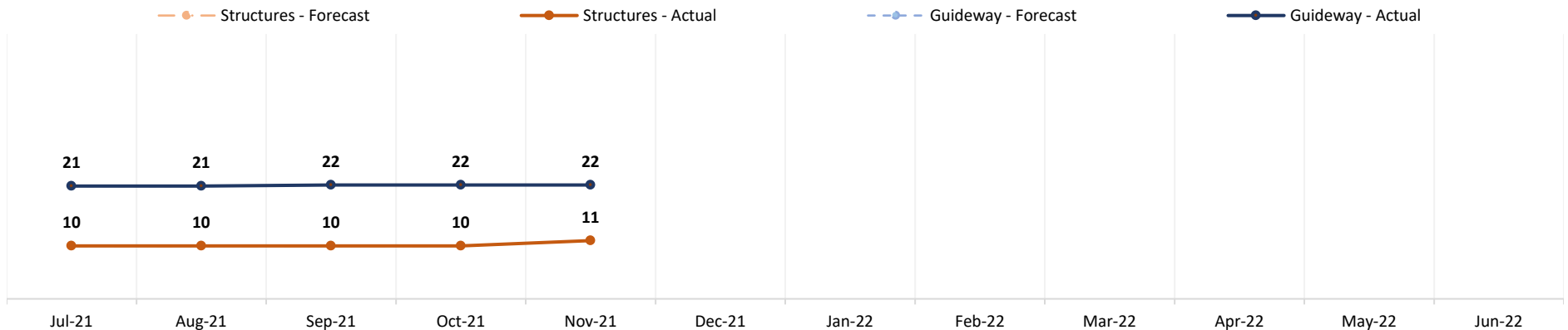
1. The construction labor numbers (full-time employees) are based on the weekly totals divided by the number of weeks within the working calendar month and represents the Average Daily Site Workers (by Week).

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 structures:
 - a. 11 structures underway/substantially 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/complete. On target.

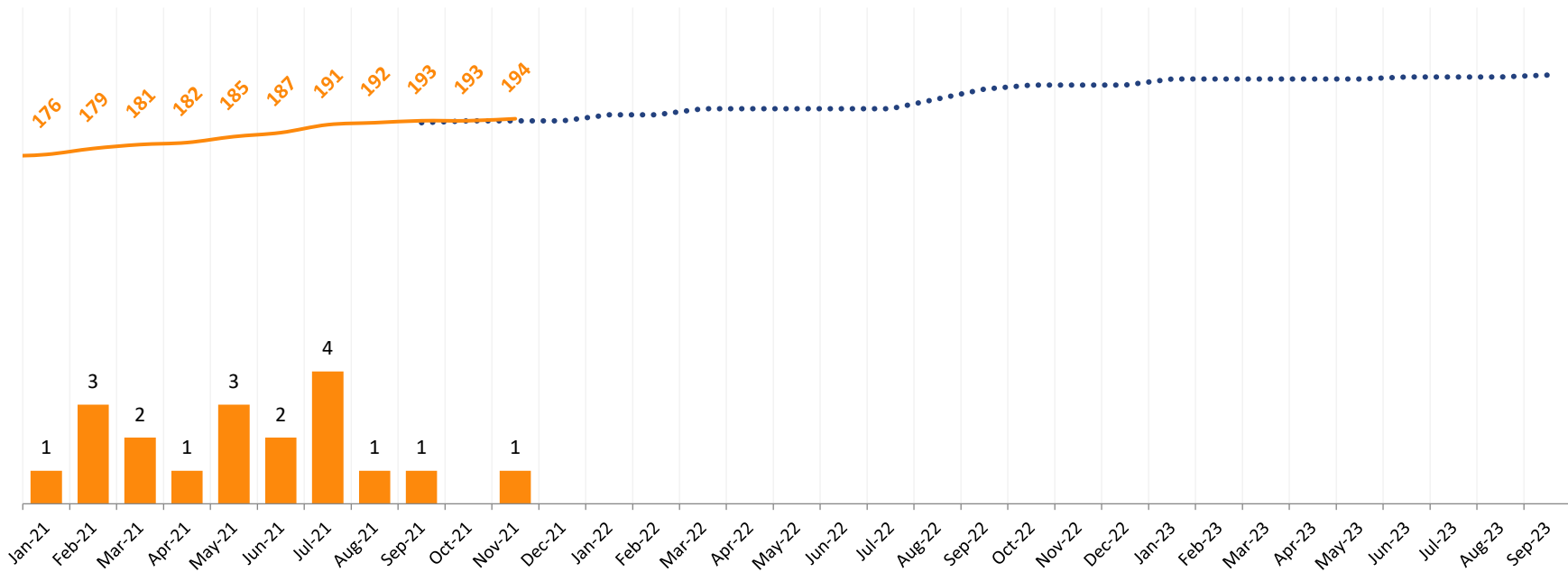
CP 4 – Real Property/Right-of-Way (ROW)

CP 4 – Right-of-Way (ROW) Summary

Construction Package	Total Needed Parcels November 30, 2021	Total Parcels Delivered to Date November 30, 2021	Remaining Parcels to be Delivered November 30, 2021
CP 4	238	194	44

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

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



Notes:

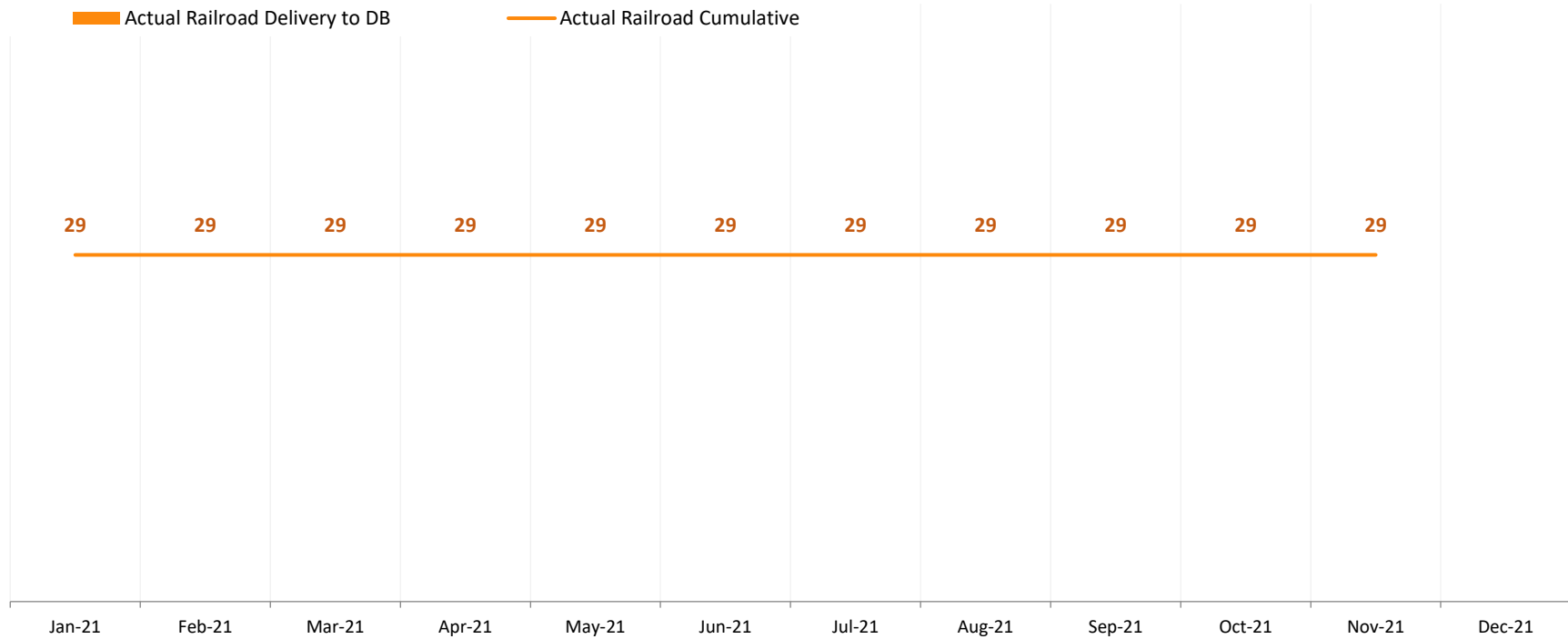
1. This reflects the actual parcels delivered to the Design-Builder by month compared to the Revised Baseline Schedule (RBS) Revision 3.
2. Four parcels added to Total Needed Parcels in CP4 (three Authority owned parcels requiring no acquisition), and two parcels removed.

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

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

Construction Package	Total Needed Railroad Parcels November 30, 2021	Total Railroad Parcels Delivered to Date November 30, 2021	Remaining Railroad Parcels to be Delivered November 30, 2021
CP 4	29	29	0

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

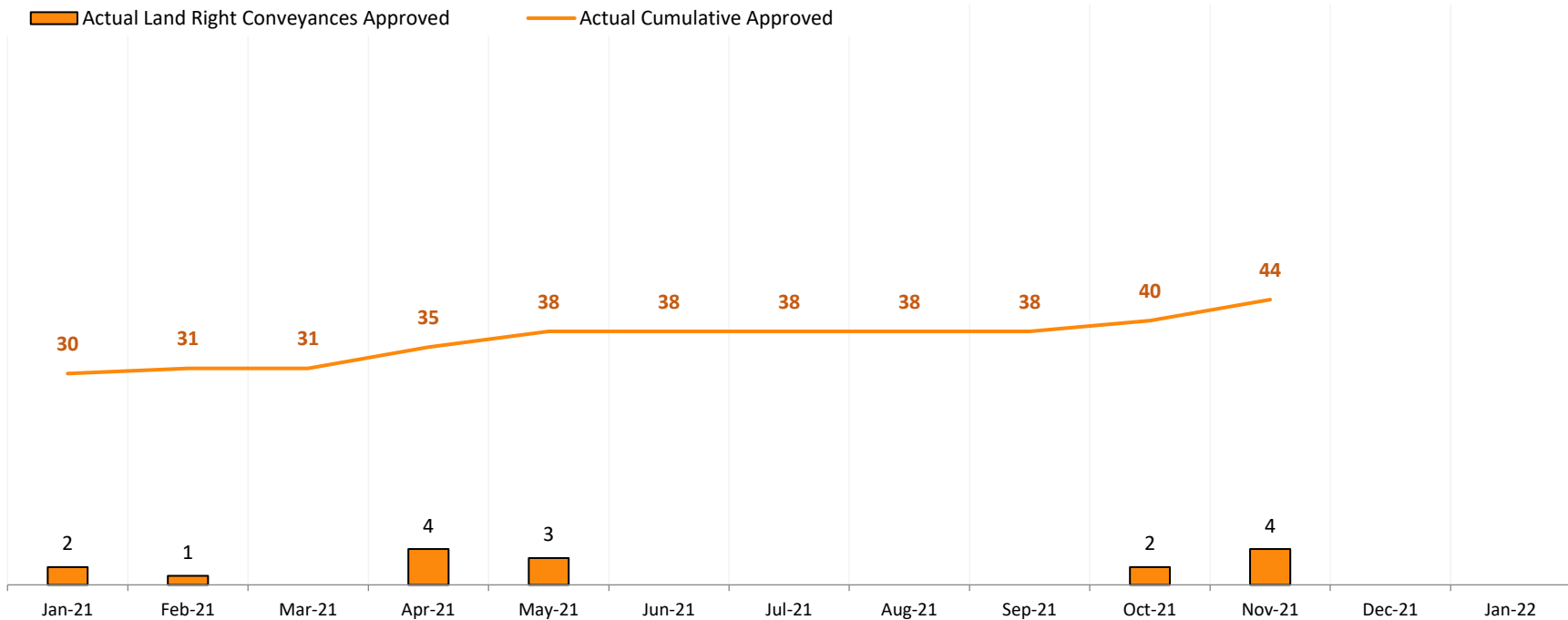


CP 4 – Tier 1 Land Right Conveyances Required Prior to Construction (PG&E, SCE, FID, FMFCD)

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

Construction Package	Total Needed Land Right Conveyances November 30, 2021	Total Land Right Conveyances Approved ⁽³⁾ to Date November 30, 2021	Remaining Land Right Conveyances to be Approved November 30, 2021
CP 4	88	44	44

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



Notes:

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

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

Project Development Schedule (to ROD)

Program Priority	Segment	Progress	Complete Purpose and Need Statement		Complete Alternatives Analysis		Board Concurrence of Preliminary Preferred Alt. Draft EIR/EIS		Publish Draft EIR/EIS		Publish Final EIS and Obtain ROD		Date EIR/EIS To Be Completed		
			Number	Section	Due Dates	Last Month	Current	Last Month	Current	Last Month	Current	Last Month	Current	Last Month	Current
Document Complete	Merced to Fresno	Plan Forecast % Complete	Complete Complete 100%	Complete Complete 100%	Complete Complete 100%	Complete Complete 100%	Complete Complete 100%	Complete Complete 100%	Complete Complete 100%	Complete Complete 100%	Complete Complete 100%	Complete Complete 100%	Complete Complete 100%	Complete Complete 100%	
Document Complete	Fresno to Bakersfield	Plan Forecast % Complete	Complete Complete 100%	Complete Complete 100%	Complete Complete 100%	Complete Complete 100%	Complete Complete 100%	Complete Complete 100%	Complete Complete 100%	Complete Complete 100%	Complete Complete 100%	Complete Complete 100%	Complete Complete 100%	Complete Complete 100%	
Document Complete	CV Electrical Interconnections	Plan Forecast % Complete	Complete Complete 100%	Complete Complete 100%	Complete Complete 100%	Complete Complete 100%	Complete Complete 100%	Complete Complete 100%	Complete Complete 100%	Complete Complete 100%	Complete Complete 100%	Complete Complete 100%	Complete Complete 100%	Complete Complete 100%	
Document Complete	Locally Generated Alternative (F-B)	Plan Forecast % Complete	Complete Complete 100%	Complete Complete 100%	Complete Complete 100%	Complete Complete 100%	Complete Complete 100%	Complete Complete 100%	Complete Complete 100%	Complete Complete 100%	Complete Complete 100%	Complete Complete 100%	Complete Complete 100%	Complete Complete 100%	
Document Complete	Central Valley Wye (M-F)	Plan Forecast % Complete	Complete Complete 100%	Complete Complete 100%	Complete Complete 100%	Complete Complete 100%	Complete Complete 100%	Complete Complete 100%	Complete Complete 100%	Complete Complete 100%	Complete Complete 100%	Complete Complete 100%	Complete Complete 100%	Complete Complete 100%	
Document Complete	Bakersfield to Palmdale	Plan Forecast % Complete	Complete Complete 100%	Complete Complete 100%	Complete Complete 100%	Complete Complete 100%	Complete Complete 100%	Complete Complete 100%	Complete Complete 100%	Complete Complete 100%	Complete Complete 100%	Complete Complete 100%	Complete Complete 100%	Complete Complete 100%	
1	San Francisco to San Jose	Plan Forecast % Complete	Complete Complete 100%	Complete Complete 100%	Complete Complete 100%	Complete Complete 100%	Complete Complete 100%	Complete Complete 100%	Complete Complete 100%	Complete Complete 100%	Jun-22 May-22 73%	Jun-22 Jun-22 ¹ 76%	May-22	Jun-22	
2	San Jose to Merced	Plan Forecast % Complete	Complete Complete 100%	Complete Complete 100%	Complete Complete 100%	Complete Complete 100%	Complete Complete 100%	Complete Complete 100%	Complete Complete 100%	Complete Complete 100%	Mar-22 Mar-22 80%	Mar-22 Mar-22 84%	Mar-22	Mar-22	
3	Los Angeles to Anaheim	Plan Forecast % Complete	Complete Complete 100%	Complete Complete 100%	Complete Complete 100%	Complete Complete 100%	Complete Complete 100%	Complete Complete 100%	Complete Complete 100%	May-22 Sep-22 96%	May-22 Sep-22 96%	Jun-23 Oct-23 0%	Jun-23 Oct-23 ² 0%	Oct-23	Oct-23
4	Burbank to Los Angeles	Plan Forecast % Complete	Complete Complete 100%	Complete Complete 100%	Complete Complete 100%	Complete Complete 100%	Complete Complete 100%	Complete Complete 100%	Complete Complete 100%	Complete Complete 100%	Complete Complete 100%	Dec-21 Jan-22 89%	Dec-21 Jan-22 ³ 92%	Jan-22	Jan-22
5	Palmdale to Burbank	Plan Forecast % Complete	Complete Complete 100%	Complete Complete 100%	Complete Complete 100%	Complete Complete 100%	Complete Complete 100%	Complete Complete 100%	Sep-21 Feb-22 92%	Sep-21 Feb-22 94%	Dec-22 Mar-23 0%	Dec-22 Mar-23 ⁴ 0%	Mar-23	Mar-23	
6	HMF	Plan Forecast % Complete	Complete Complete 100%	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:

- One-month delay to incorporate internal review constraints, expanded page-turn, and summary of comments following release of the Final EIR/EIS prior to Board Meeting.
- Three-month delay was incorporated last month due to late submittal of BNSF air quality deliverables for Colton and Lenwood. BNSF plans to submit these deliverables on December 22, 2021.
- One-month delay was incorporated last month as the Board meeting for consideration of the Final EIR/EIS has shifted from December 2021 to January 2022.
- Schedule indicates a 21-week delay: (addressing ~2,400 internal comments received on the ADEIR/S (7 weeks); updating the AQ/HRA analysis, interagency coordination (e.g., completing the AJD/PJD), and accounting for no overlap between the public comment period of the Burbank to Los Angeles Final EIR/EIS (13 weeks); and initiating the Page Turn review (1 week)).

Project Development – Key Actions

Project Development – Key Actions Summary

Project Section	Key Actions
San Francisco to San Jose	Administrative Final EIR/EIS was submitted to 30-day Cooperating Agency Review on November 24, 2021. Revised Draft Environmental Impact Report/Supplemental Draft Environmental Impact Statement (RDEIR/SDEIS) and other items will be incorporated into the Final EIR/EIS.
San Jose to Merced	Final EIR/EIS Batch #1 completed reviews for final editing and remediation (except sections related to biological resources and Section 4(f)). Engineering and Environmental Consultant (EEC) submitted Final EIR/EIS Batch #2 for National Environmental Policy Act (NEPA) Assignment Team (NAT) Quality and Legal Fatal Flaw Review on November 30, 2021. Draft General Conformity Determination was published in Federal Register on November 26, 2021 for 30-day public review.
Central Valley Wye	Permitting for the Central Valley Wye will progress following Board action on the Merced and Bakersfield extensions. Monthly meetings scheduled with City of Chowchilla and County of Madera to review progress of mitigation projects for the Authority.
Locally Generated Alternative	Permitting for the Locally Generated Alternative will progress following Board action on the Merced and Bakersfield extensions.
Bakersfield to Palmdale	Continued with the contract closeout/preparing the Notices of Acceptances (for deliverables in Task Order #3); coordinated with Environmental Services (ES) on preparing comments on the draft Administrative Record and provided feedback to ES on the Project Closeout index. Staff continued to coordinate with key stakeholders (Center for Biological Diversity).
Palmdale to Burbank	The only outstanding comments on the ADEIR/S involved Air Quality. In this reporting period Air Quality results were updated, the section was revised, and the Health Risk Assessment is under compliance thresholds. Staff coordinated discussions on the NEPA summary sections between the Regional Consultants (RC), ES, and Legal. The Page Turn reviews were pushed back a week and will occur in the third week in December; this resulted in a one-week delay to the schedule.
Burbank to Los Angeles	The Authority released the Final EIR/EIS and started the public availability period on November 5. Outreach meetings with elected officials, agencies/cities, and stakeholder groups for the Final EIR/EIS are underway.
Los Angeles to Anaheim	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. Continued draft Preliminary Engineering for Project Definition (PEPD) reviews with external stakeholders.