



Finance & Audit Committee

CENTRAL VALLEY STATUS REPORT

November 2021 Report (data through September 2021)

Executive Summary

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

- September 2021 Expenditures totaled \$32.8M:
 - Construction Package 1 – Expenditures totaled \$13.5M.
 - Construction Package 2-3 – Expenditures totaled \$6.7M.
 - Construction Package 4 – Expenditures totaled \$12.6M.
- Total CP Cumulative Actual Expenditures (pages 14, 23, and 32) – \$3,517M.
- Total Cumulative Current Contract Amount (pages 14, 23, and 32) – \$5,224.9M.

Change Orders

- Executed Change Orders this period – 24 for a total of \$15.8M:
 - Construction Package 1 – Six for a total of \$6.2M (Page 16).
 - Construction Package 2-3 – 10 for a total of \$4.8M (Page 25).
 - Construction Package 4 – Eight for a total of \$4.7M (Page 34).

Risk Contingency ([Page 6](#))

- Original Contract Contingency – \$2,661.9M with remaining Contract Contingency – \$553.9M:
 - Construction Package 1 (Page 17) – \$1,237.3M with remaining Contract Contingency – \$258.6M.
 - Construction Package 2-3 (Page 26) – \$1,084.8M with remaining Contract Contingency – \$211.5M.
 - Construction Package 4 (Page 35) – \$339.8M with remaining Contract Contingency – \$83.8M.

CP Design (Structures/Guideway)

- Expected completion of all CP's major design - Ready for Construction (RFC) by the First Quarter of 2022:
 - Construction Package 1 – 38 of 40 total design packages cleared for construction. Forecasted completion is Fourth Quarter of 2021 (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 First Quarter of 2022 (Cole Slough and Dutch John pending Right-of-Way (ROW) acquisition for Geotech and Alpaugh ponds currently in comment resolution).
 - Construction Package 4 – 14 of 14 total design packages cleared for construction.

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

- Construction Package 1-4 – 551 of 684 or 81% completed. An increase of five from the previous month (from 546):
 - Construction Package 1 – 222 of 268 or 83% completed and 46 in progress. An increase of three from the previous period.
 - Construction Package 2-3 – 210 of 250 or 84% completed and 40 in progress. An increase of one from the previous period.
 - Construction Package 4 – 119 of 166 or 72% completed and 47 in progress. An increase of one from the previous period.

CP Construction Labor ([Page 8](#))

- Total Monthly Average – 936 daily workers. A decrease of 115 daily workers from the previous period (from 1,051):
 - Construction Package 1 (Page 18) – 294 daily workers. A decrease of 42 daily workers from the previous month (336).

- Construction Package 2-3 (Page 27) – 450 daily workers. A decrease of 92 daily workers from the previous month (542).
- Construction Package 4 (Page 36) – 192 daily workers. An increase of 19 daily workers from the previous month (173).
- Daily Average Contracted CP Employees Quarantined for COVID-19 in September – 25. An increase of 19 from the daily average of six in August 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 – 65 underway/substantially complete compared to 93 structures total. No change from the previous period:
 - Construction Package 1 – 26 structures underway/substantially complete. Three behind.
 - Construction Package 2-3 – 29 structures underway/substantially complete. Three behind.
 - Construction Package 4 – 10 structures underway/substantially complete. One behind.
- Guideway – 85 miles constructed/underway compared to 119 miles total. No change from the previous period:
 - Construction Package 1 – 15 miles underway/substantially complete. On target.
 - Construction Package 2-3 – 48 miles underway/substantially complete. One mile behind.
 - Construction Package 4 – 22 miles underway/complete. On target.
- Utility Relocations Status – Relocated: 679 (33%); In Progress: 519 (25%); Approved to Start: 111 (5%); Not Started: 752 (37%); Total: 2,061. Twenty-two relocated in September 2021 reporting period. In order to begin utility relocation work, a sequence of activities have to 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: 250 (21%); In Progress: 465 (39%); Approved to Start: 13 (1%); Not Started: 474 (39%); Total: 1,202.
 - Construction Package 2-3 – Relocated: 371 (54%); In Progress: 35 (5%); Approved to Start: 56 (8%); Not Started: 232 (33%); Total: 694.
 - Construction Package 4 – Relocated: 58 (35%); In Progress: 19 (12%); Approved to Start: 42 (25%); Not Started: 46 (28%); Total: 165.

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

- Total Parcels Delivered to Date – 1,979 parcels compared to an estimated 2,291 parcels needed.
- Parcels Delivered to Design-Builder (DB) – 33 parcels in September 2021.
- Construction Packages 1-4 – Two parcels added (both Authority owned requiring no acquisition), and nine parcels removed due to optimized design. Net decrease 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 – Ten parcels. Zero delinquent Railroad parcels.
- Total Railroad Parcels Delivered to Date – 122 parcels delivered compared to an estimated 166 total railroad parcels needed.
- Land Right Conveyances (Tier 1, Prior to Construction):
 - Four land right conveyances approved.
 - Sixteen delinquent land right conveyances and a significant amount of these are pending acquisition.
 - To date, the Authority received approval on 602 land right conveyances.

Third-Party Agreements (Page 13)

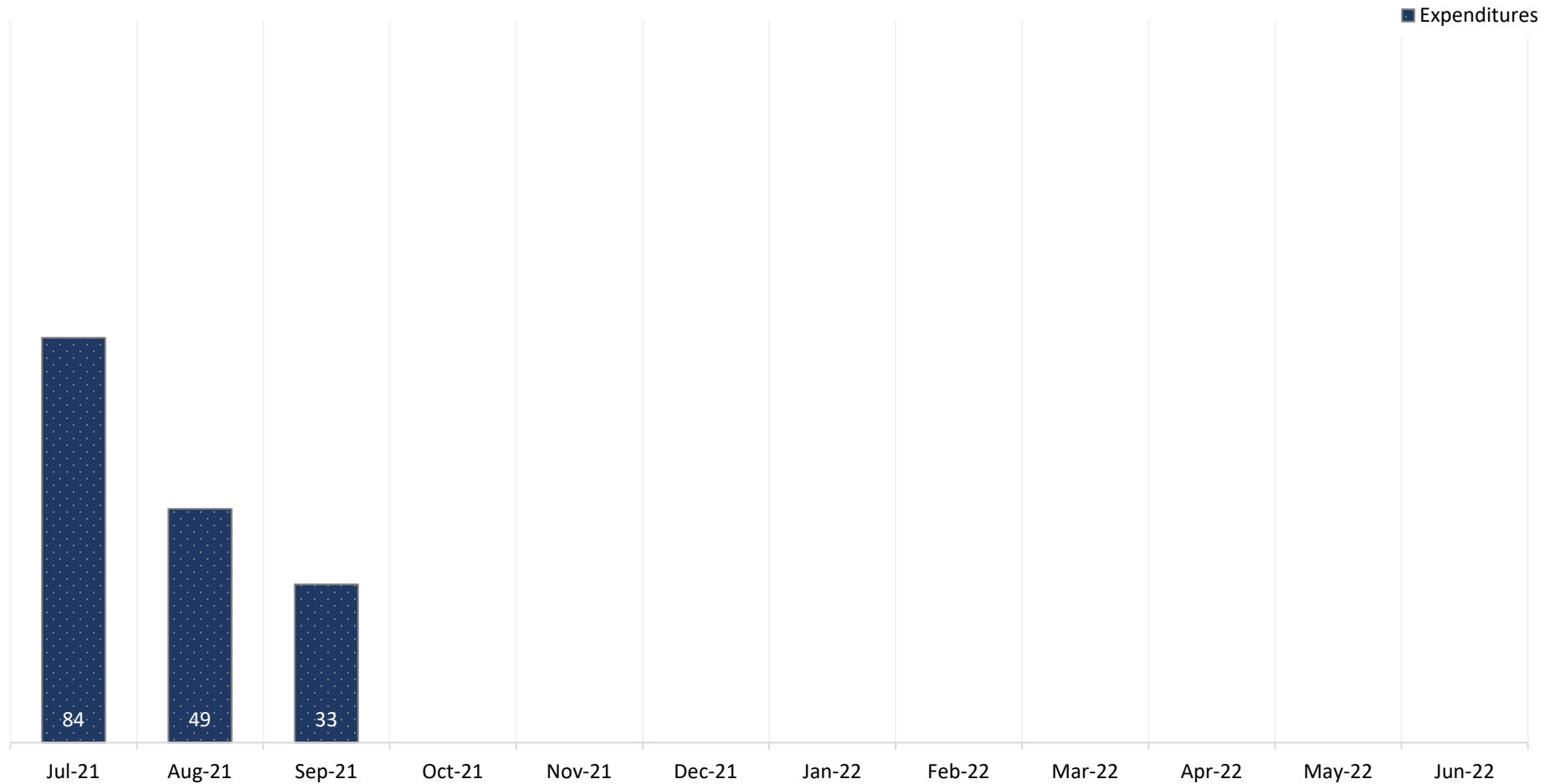
- Three remaining key agreements. The Authority has finalized 54 agreements. Forty-two of those agreements were critical to supporting construction.

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

- San Francisco to San Jose – Comment period for Revised Draft Environmental Impact Report/Supplemental Draft Environmental Impact Statement (RDEIR/SDEIS) closed on September 8, 2021. Engineering and Environmental Consultant (EEC) submitted Administrative Final EIR/EIS #2 for the Authority backcheck on September 24, 2021.
- San Jose to Merced – The Cooperating and Responsible Agencies completed review of the Environmental Justice content of the Administrative Final EIR/EIS on September 23, 2021. EEC submitted Final EIR/EIS #1 for Authority review on September 27, 2021.
- Bakersfield to Palmdale – The Record of Decision (ROD) was signed by the CEO on September 3, 2021 and the federal Limitation of Claims notice was posted in the “Federal Register” September 15, 2021. The Claims period on the Notice of Determination (NOD) ended on September 24, 2021, and no challenges were received.
- Palmdale to Burbank – NEPA Assignment Team (NAT)/Finishing Team/Legal completed the backcheck on the Administrative Draft EIR/EIS (ADEIR/S), and workshops on Transportation, Utilities, Air Quality/Health Risk Assessment (AQ/HRA), EJ/Socio economic, and Hydrology were held to address comments. Additional time in the schedule was factored to account for updates to the AQ/HRA analysis and for agency coordination on the Approved Jurisdictional Determination and Preliminary Jurisdictional Determination (AJD/PJD); the schedule augmented by two months (for a total delay of three and a half months).
- Burbank to Los Angeles – The team is preparing the Final EIR/EIS, which includes addressing comments received from Cooperating and Responsible Agencies on the Administrative Final EIR/EIS. The Final EIR/EIS will contain select design refinements including for the Main Street grade separation and relocation of extraction wells.
- Los Angeles to Anaheim – The team continued integrating additional 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)

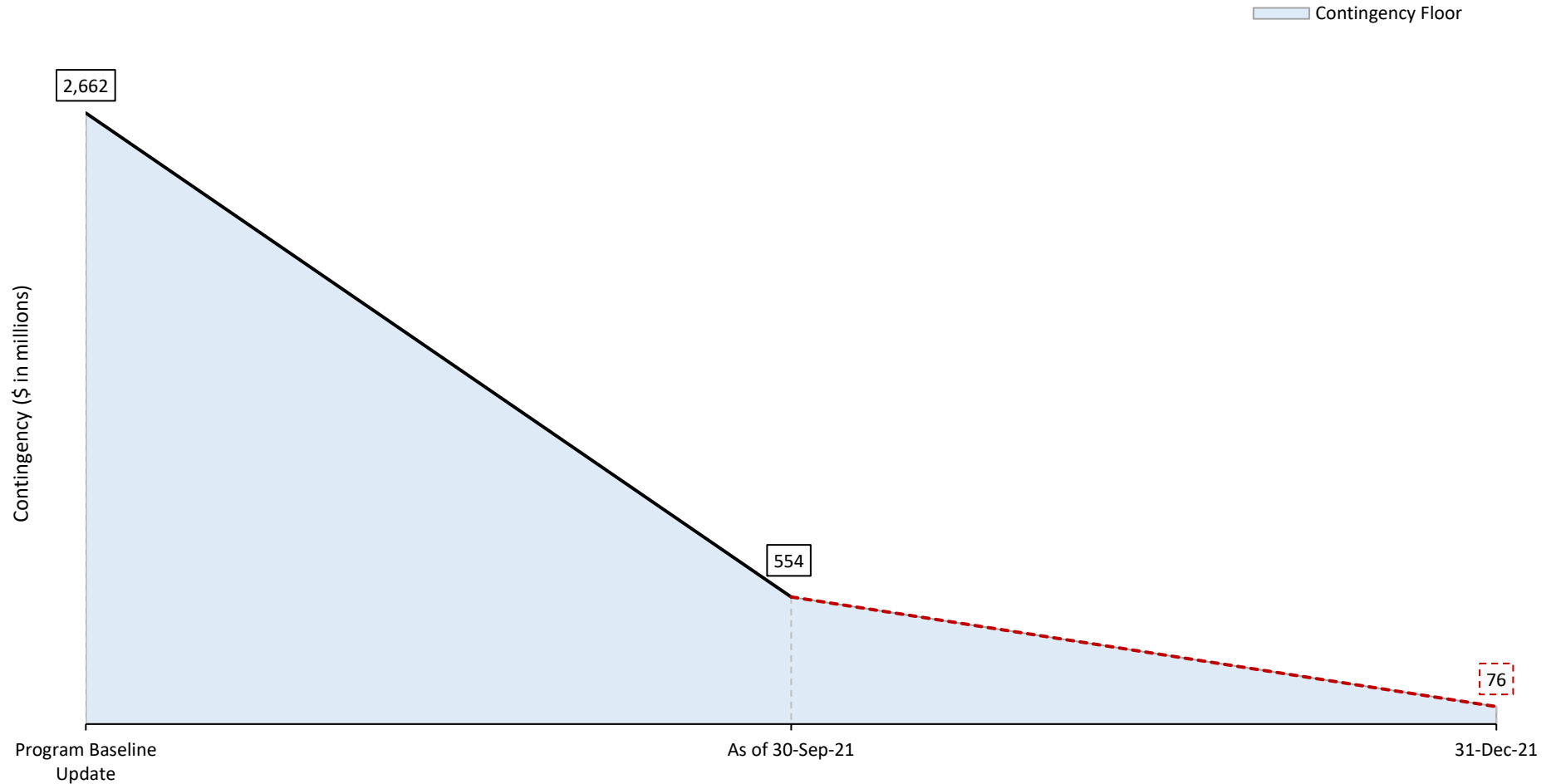


Notes:

1. The projections are subject to change pending the approval of the Revised Baseline Schedule (RBS) Revision 2.
2. Expenditures in the chart above are specific to the Design-Builder production and based on the Capital Outlay and Expenditure Report.
3. September 2021 Expenditures totaled \$32.8M:
 - a. Construction Package 1 – Expenditures totaled \$13.5M.
 - b. Construction Package 2-3 – Expenditures totaled \$6.7M.
 - c. Construction Package 4 – Expenditures totaled \$12.6M.

CP 1-4 – Risk Contingency

CP 1-4 – Risk Contingency Status

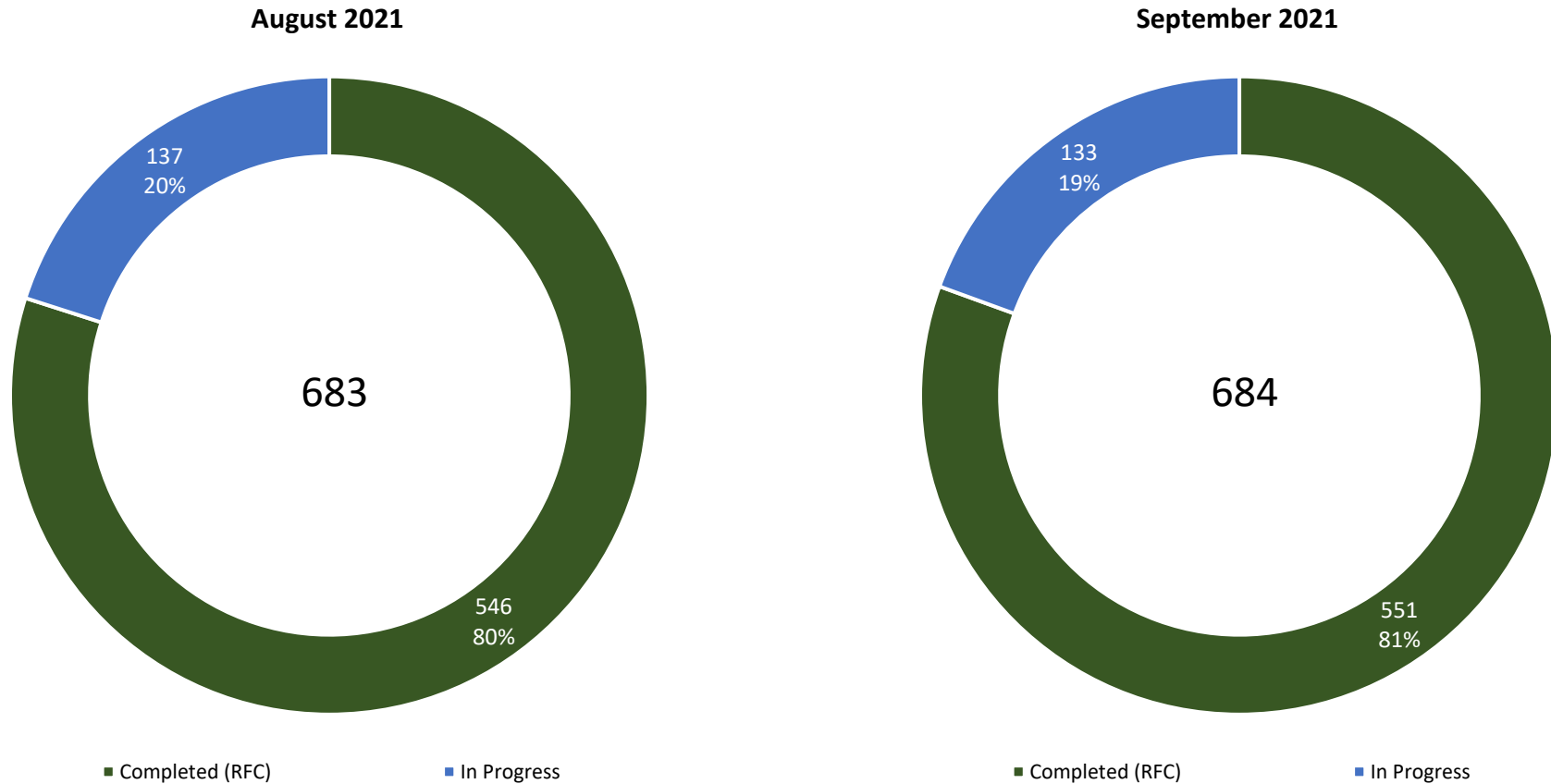


Notes:

1. The contingency drawdown curve has been revised to reflect projected contingency drawdown for the entire CP 1-4 Project through the end of the current quarter (31-Dec-21).
2. Based on the current change order forecast, this is the expected drawdown on the CP Revision 1 budgeted contingency. New budgeted contingency values for the CP will be established in Revision 2 (currently pending approval).
3. Forecasted drawdown is based on the DB contingency only. No forecasts have been provided for Project and Construction Management (PCM), ROW, Provisional Sum, or Third-Party Allocated Contingency.
4. Remaining contingency balance reflects executed change orders and Business Oversight Committee (BOC) approved items.
5. Contingency Report Charts have been updated based on updated change order forecasts.

CP 1-4 – Third-Party Design

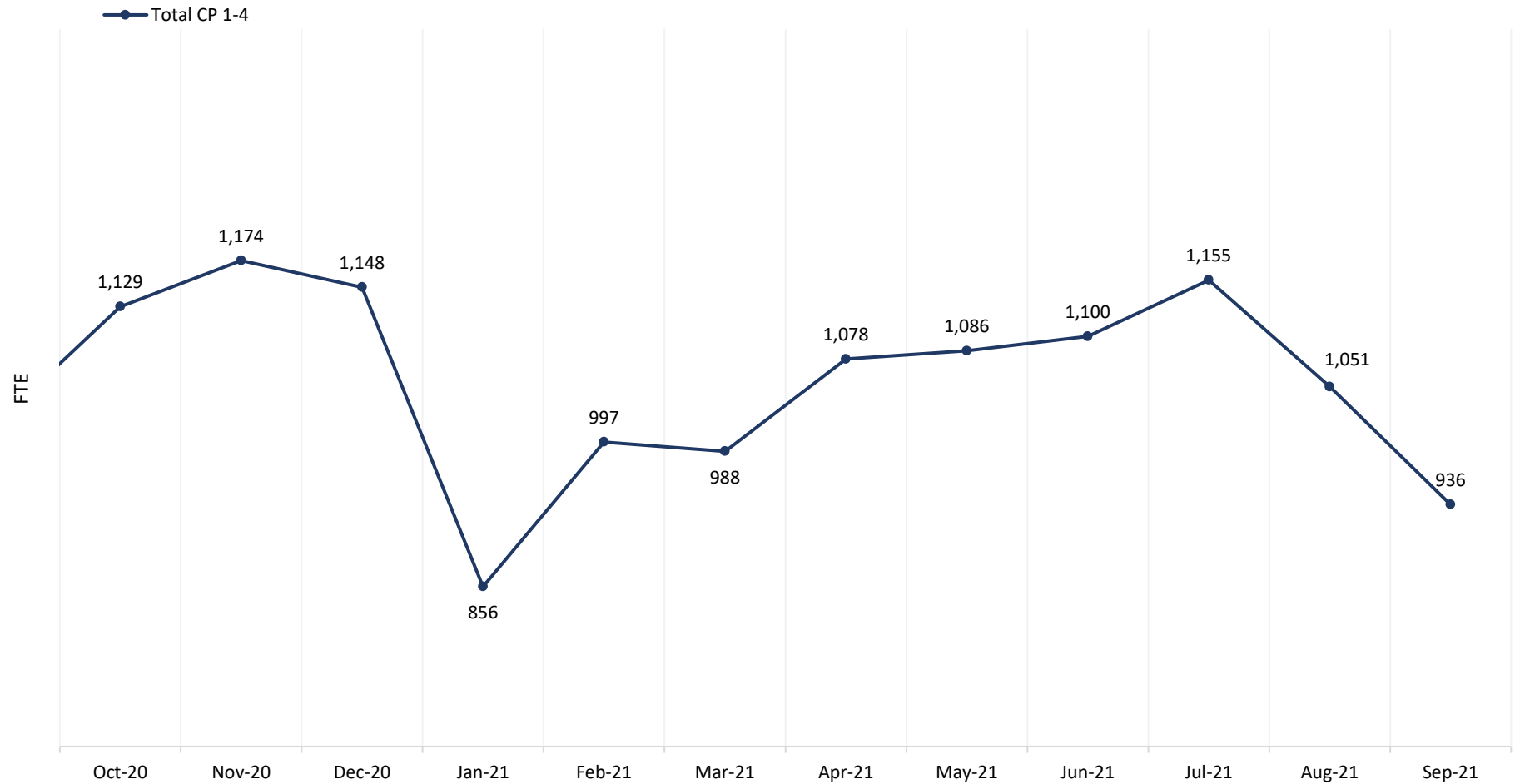
CP 1-4 – Third-Party Design Status



- 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 – 551 of 684 or 81% completed. An increase of five from the previous month (from 546):
 - a. Construction Package 1 – 222 of 268 or 83% completed and 46 in progress. An increase of three from the previous period.
 - b. Construction Package 2-3 – 210 of 250 or 84% completed and 40 in progress. An increase of one from the previous period.
 - c. Construction Package 4 – 119 of 166 or 72% completed and 47 in progress. An increase of one from the previous period.

CP 1-4 – Construction Labor

CP 1-4 – Monthly Construction Workforce Total – Actual

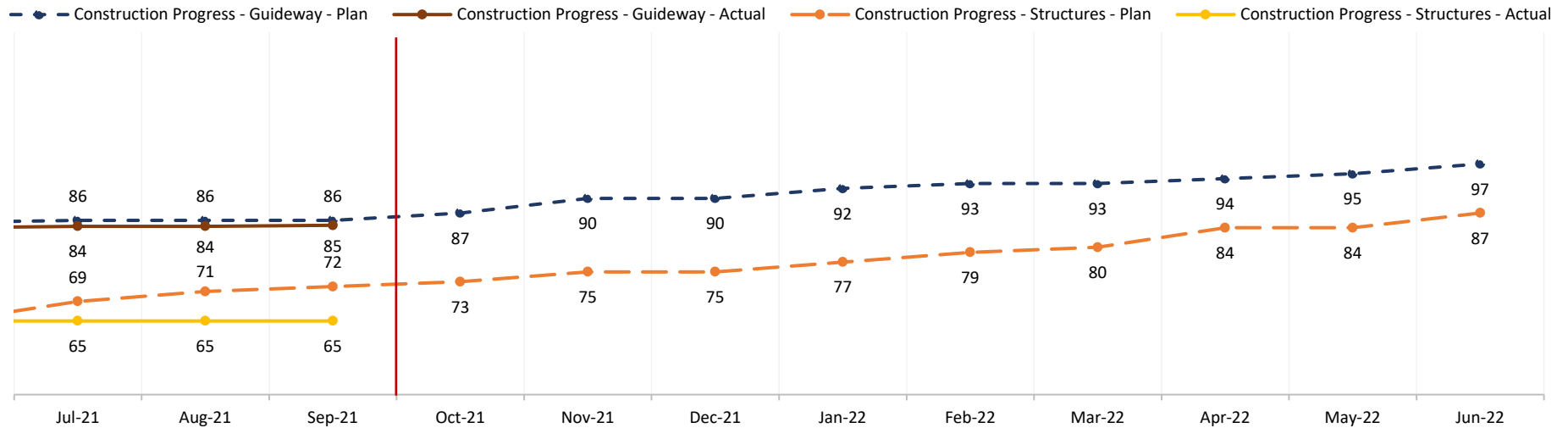


Notes:

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.
2. The data represents the overall total on a per working calendar month average status.
3. CP 1 – Labor hours dropped because a dirt hauling operation in Madera County was completed and the structure at Road 27 was finished.
4. CP 2-3 – The drop in labor was due to completion of 9th Avenue, Cairo Avenue, and Excelsior Avenue.

CP 1-4 – Construction Progress

CP 1-4 – Construction Progress to Completion – Planned 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	20	9	7	3	39	26	65
Guideway	13	2	29	19	6	16	48	37	85

Notes:

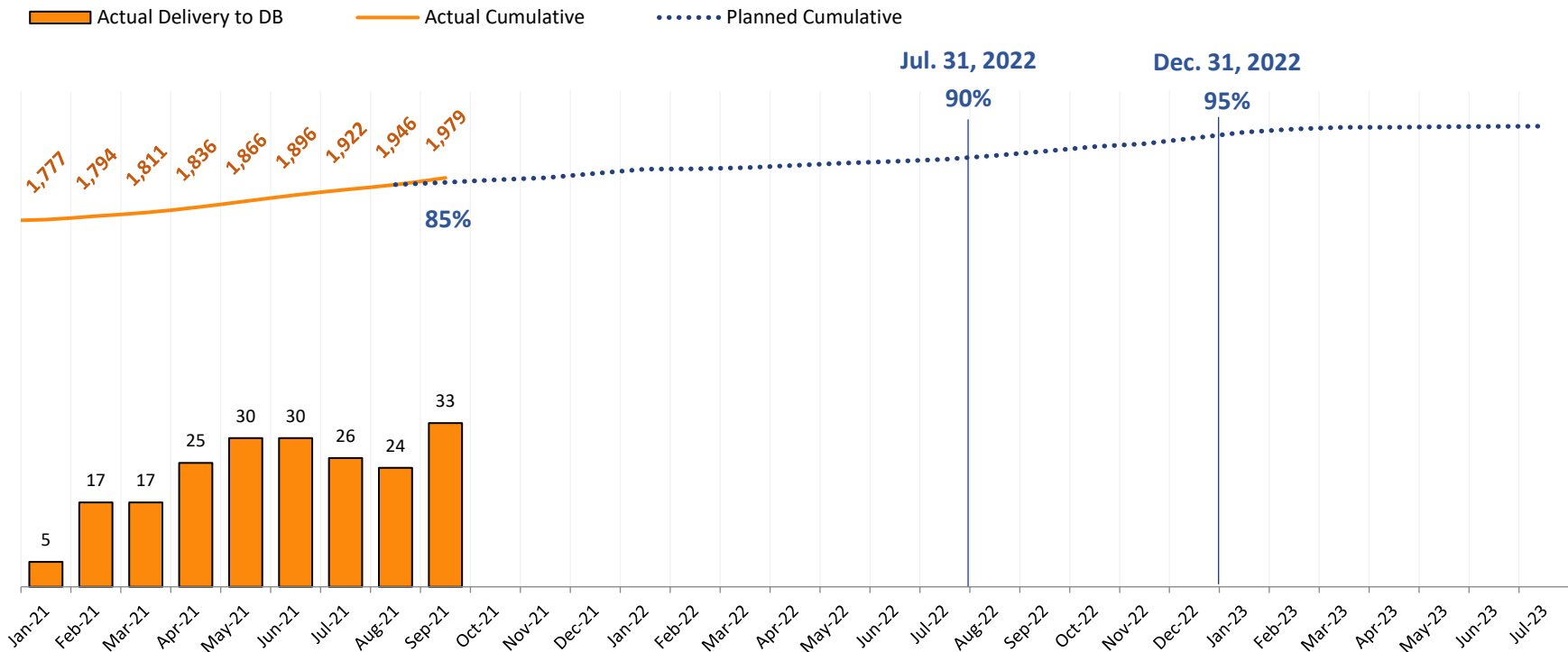
1. The chart above incorporates Revised Baseline Schedules (RBS) Revision 2 data.
2. Total Structures: 93 each.
3. Total Guideway: approximately 119 miles.
4. Structures – 65 underway/substantially complete compared to 93 structures total. No change from the previous period:
 - a. CP 1 – 26 structures underway/substantially complete. Three behind. Central Avenue did not start in July as planned due to outstanding 48-hour access resolution. Jensen Trench did not start as planned in July due to resubmittal of crossing application requiring additional time. Avenue 17 required re-submittal for 6-Month shelf life (September).
 - b. CP 2-3 – 29 structures underway/substantially complete. Three behind. Dutch John, Grangeville Avenue and Deer Creek Viaduct pending ROW acquisition. Estimated for November 2021.
 - c. CP 4 – 10 structures underway/substantially complete. One behind. Construction of the Amtrak pedestrian underpass is expected to start in October 2021.
5. Guideway – 85 miles constructed/underway compared to 119 miles total. No change from the previous period:
 - a. CP 1 – 15 miles underway/substantially complete. On target.
 - b. CP 2-3 – 48 miles underway/substantially complete. One mile behind plan. South of Dutch John Cut pending ROW acquisition.
 - c. CP 4 – 22 miles underway/complete. On target.

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

CP 1-4 – Right-of-Way (ROW) Summary

Construction Package	Total Needed Parcels September 30, 2021	Total Parcels Delivered to Date September 30, 2021	Remaining Parcels to be Delivered September 30, 2021
CP 1	1,065	969	96
CP 2-3	989	817	172
CP 4	237	193	44
Total	2,291	1,979	312

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



Notes:

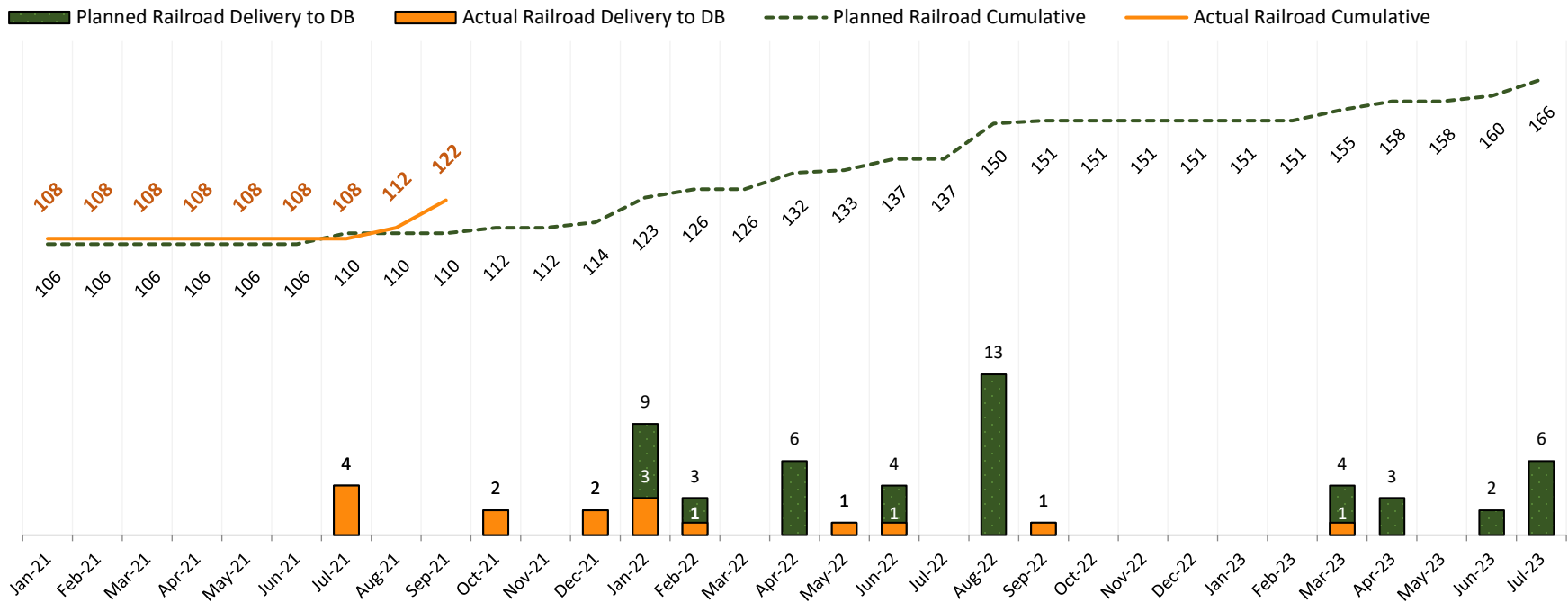
1. This reflects the actual parcels delivered to the Design-Builder by month compared to the planned delivery schedule which identifies 90% and 95% milestone completion for CP1-4. The 90% and 95% milestone completion does not include any additional parcels that may be added.
2. Two parcels added to Total Needed Parcels (both Authority owned requiring no acquisition), and nine parcels removed due to optimized design. Net decrease 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 September 30, 2021	Total Railroad Parcels Delivered to Date September 30, 2021	Remaining Railroad Parcels to be Delivered September 30, 2021
CP 1	83	57	26
CP 2-3	54	36	18
CP 4	29	29	0
Total	166	122	44

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



Notes:

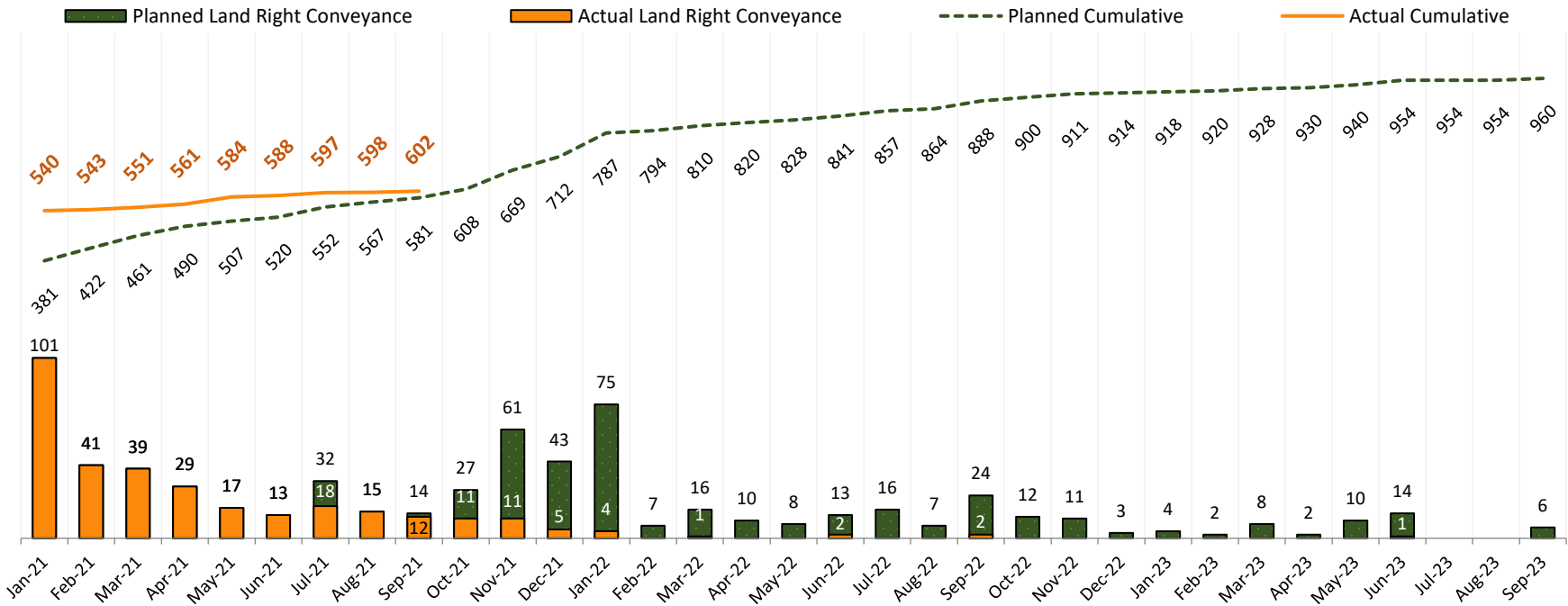
1. This reflects an adjustment to the Railroad Revised Baseline Schedules (RBS) Revision 2 for CP 1, CP 2-3, and CP 4.
2. Actual Railroad Cumulative for September 2021 reflects delivered parcels that are forecasted in future months.

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 September 30, 2021	Total Land Right Conveyances Approved ⁽³⁾ September 30, 2021	Remaining Land Right Conveyances to be Approved September 30, 2021
CP 1	439	330	109
CP 2-3	433	234	199
CP 4	88	38	50
Total	960	602	358

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



Notes:

1. This reflects the current Revised Baseline Schedules (RBS) Revision 2 for CP 1, CP 2-3, and CP 4.
2. Actual Cumulative for September 2021 includes completed land right conveyances that are forecasted in future months.
3. The term "Approved" is defined as land right conveyances with Director of Real Property for signature, PG&E for signature, or recorded.
4. Two CP 2-3 land right conveyances removed and no longer needed prior to construction.

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	Covers transfer of ROW between Authority and City. Grants immediate right of possession to Authority and use of existing ROW for construction. Authority is currently in active negotiations with City of Wasco. Latest updated draft was provided to City for review in October 2021.	Jul-20	Dec-21
City of Wasco	CP 4	Defines ownership and maintenance of grade separations between Authority and City in perpetuity. Authority is currently in active negotiations with City of Wasco. Latest updated draft was provided to City for review in October 2021.	Jul-20	Dec-21
City of Wasco	CP 4	Grade Separation Agreement details the parties' obligations regarding design and construction work for Poso Avenue grade separation, Poso and J Street extensions, 6 th Street closure, and Amtrak pedestrian underpass. Authority is currently in active negotiations with the City of Wasco. Latest updated draft was provided to City for review in October 2021.	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:	\$1,403,372,032.94
Current Contract Amount:	\$2,426,360,032.94
Approved Invoices to Date:	\$1,600,662,388.42
Remaining Contract Balance:	\$825,697,644.52

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 09/30/2021):	2,907

Expended to Date

Description	Percentage
Time:	78.0%
Dollars:	66.0%

Growth Percentage

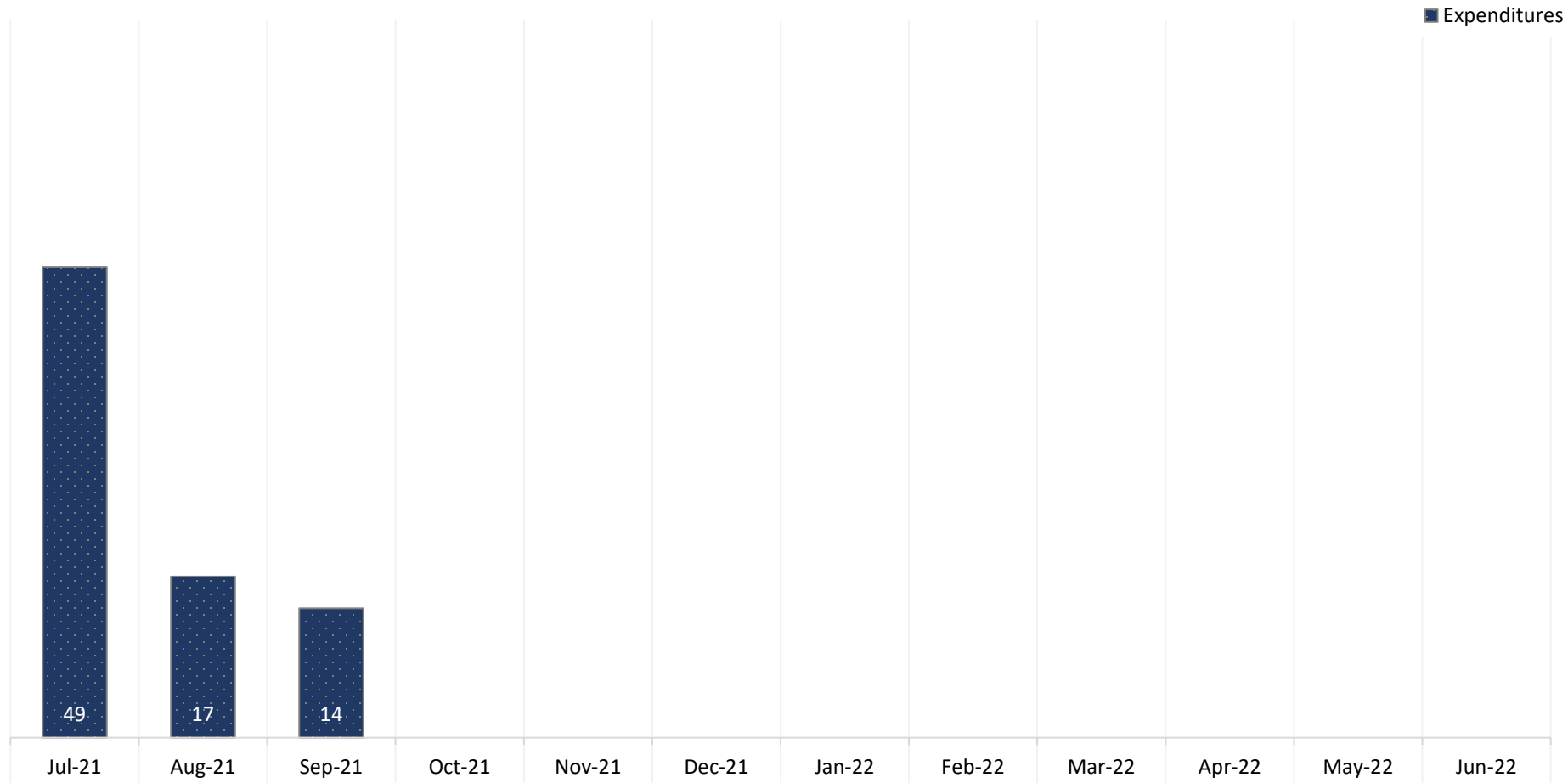
Description	Percentage
Time:	128.9%
Dollars:	137.2%

Notes:

- Information in this section is coming from data provided by the PCM – Monthly Status Report.
- The dollar values above remain at Revised Baseline Schedules (RBS) Revision 1 data.
- Updated to align with Current Substantial Completion Date based on Revised Baseline Schedules (RBS) Revision 2 (pending executed change order).
- RBS Revision 2 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 Substantial Completion Date.

CP 1 – Design-Build Expenditures

CP 1 – Monthly Expenditures (\$ Millions)



Notes:

1. The projections are subject to change pending the approval of the Revised Baseline Schedule (RBS) Revision 2.
2. Expenditures in the chart above are specific to the Design-Builder production and based on the Capital Outlay and Expenditure Report.

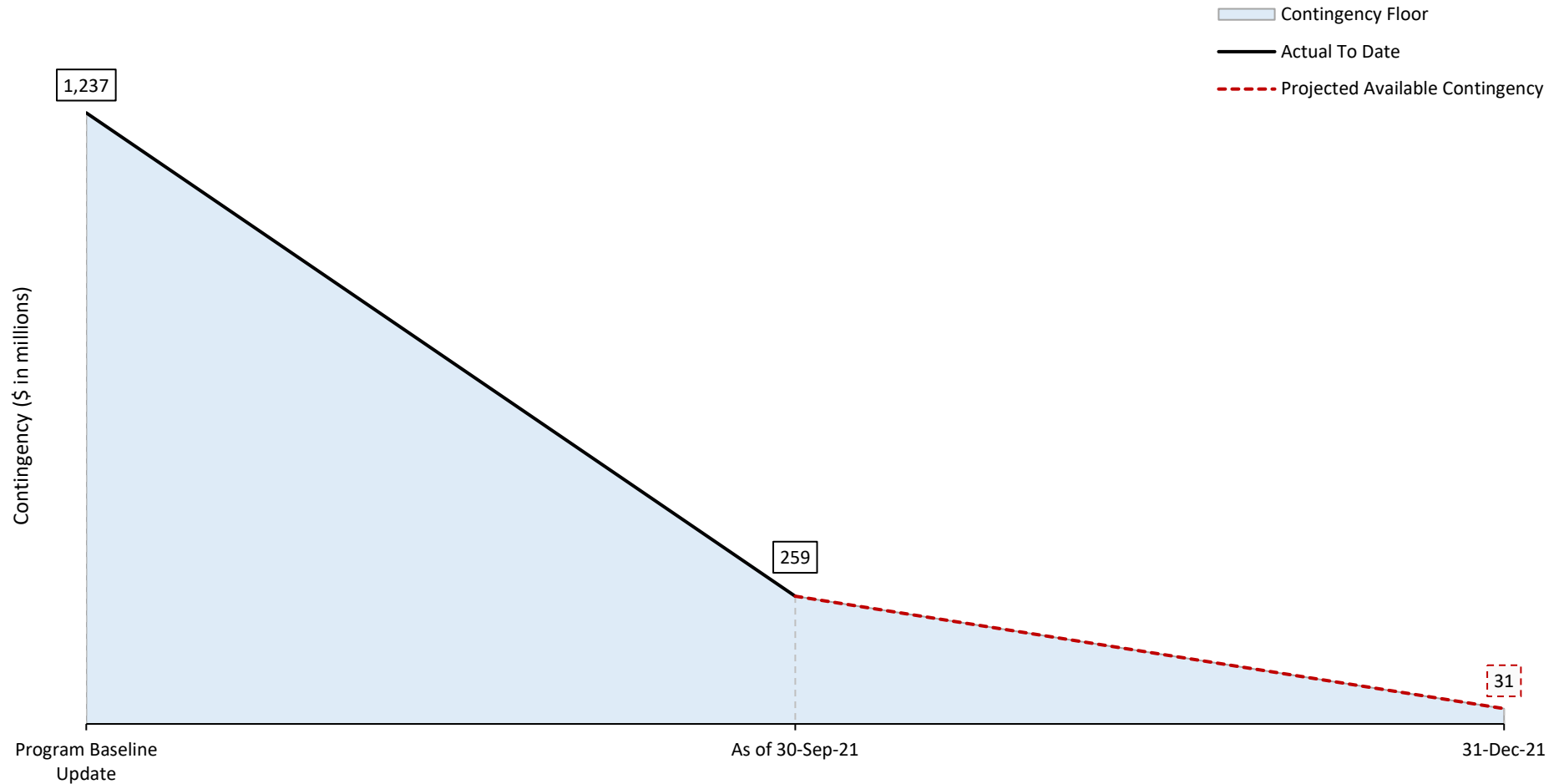
CP 1 – Change Orders

CP 1 – Change Order Status

CO Number	Title	Change Status	Amount	Executed Date
00265.0003	UPRR Homeless Encampment Cleanup - S3	Executed	\$2,400,000.00	09-Sep-21
00181.01	California Tiger Salamander Fence at Avenue 15 and Road 27	Executed	\$1,315,500.00	10-Sep-21
00233.7	Road 27 Delays - Madera Valley Water Company (MVWC) Review Services Extended Agreement Fee S3	Executed	\$988,000.00	15-Sep-21
00388	UPRR Requirement - Scope of Work Plans	Executed	\$158,794.00	15-Sep-21
00391	DL-0207 Belmont Switch Construction	Executed	\$1,043,776.00	22-Sep-21
00257.01	UPRR Fresno Street Utilities - Supplemental Sprint Relocation Cost at Fresno Bridge	Executed	\$340,935.56	29-Sep-21
TOTAL			\$6,247,005.56	

CP 1 – Risk Contingency

CP 1 – Risk Contingency Status

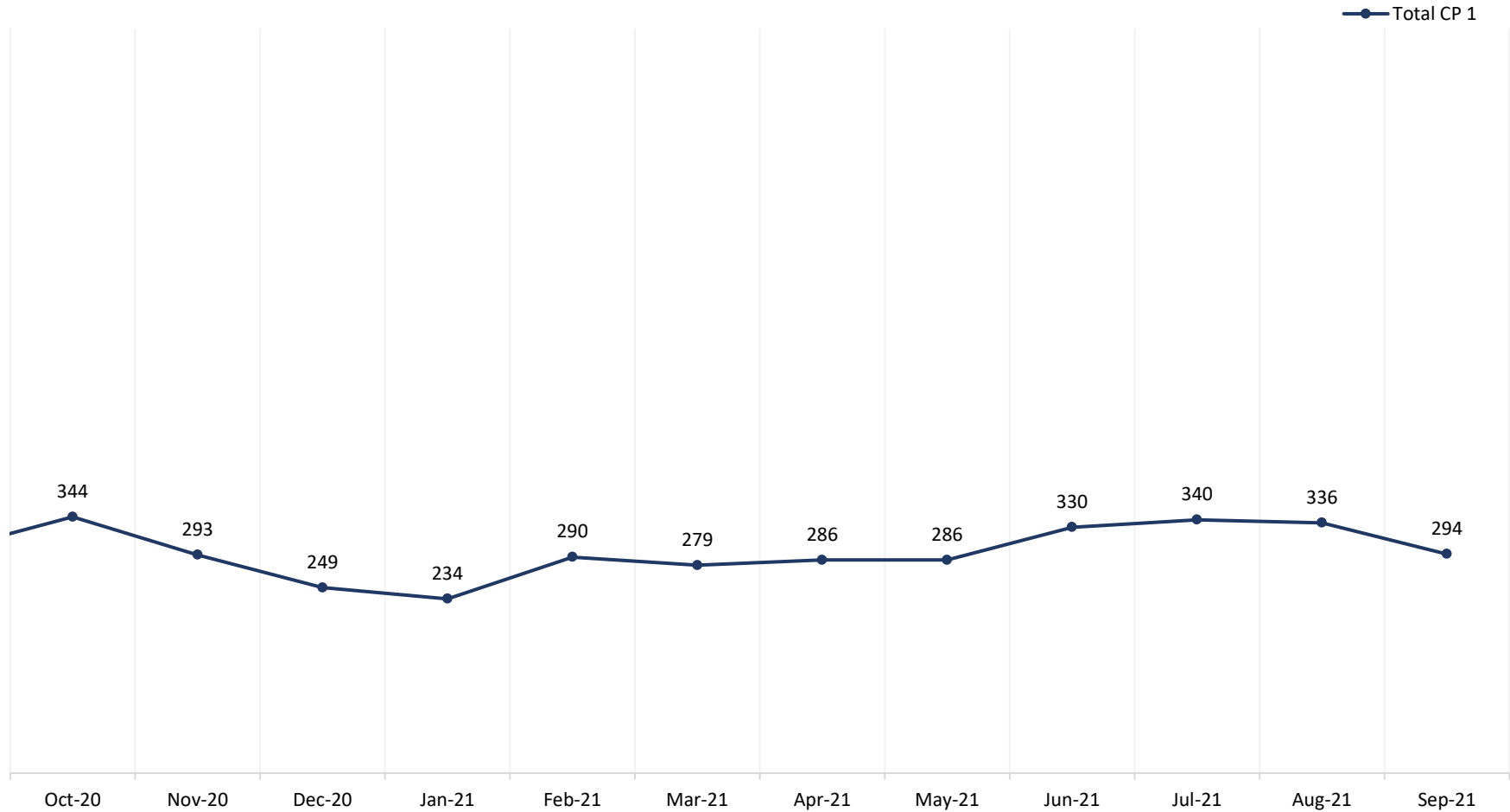


Notes:

1. The contingency drawdown curve has been revised to reflect projected contingency drawdown for the entire CP 1-4 Project through the end of the current quarter (31-Dec -21).
2. Based on the current change order forecast, this is the expected drawdown on the CP Revision 1 budgeted contingency. New budgeted contingency values for the CP will be established in Revision 2 (currently pending approval).
3. Forecasted drawdown is based on the DB contingency only. No forecasts have been provided for Project and Construction Management (PCM), ROW, Provisional Sum, or Third-Party Allocated Contingency.
4. Remaining contingency balance reflects executed change orders and BOC approved items.
5. Contingency Report Charts have been updated based on updated change order forecasts.

CP 1 – Monthly Construction Labor

CP 1 – Monthly Construction Workforce Total – Actual

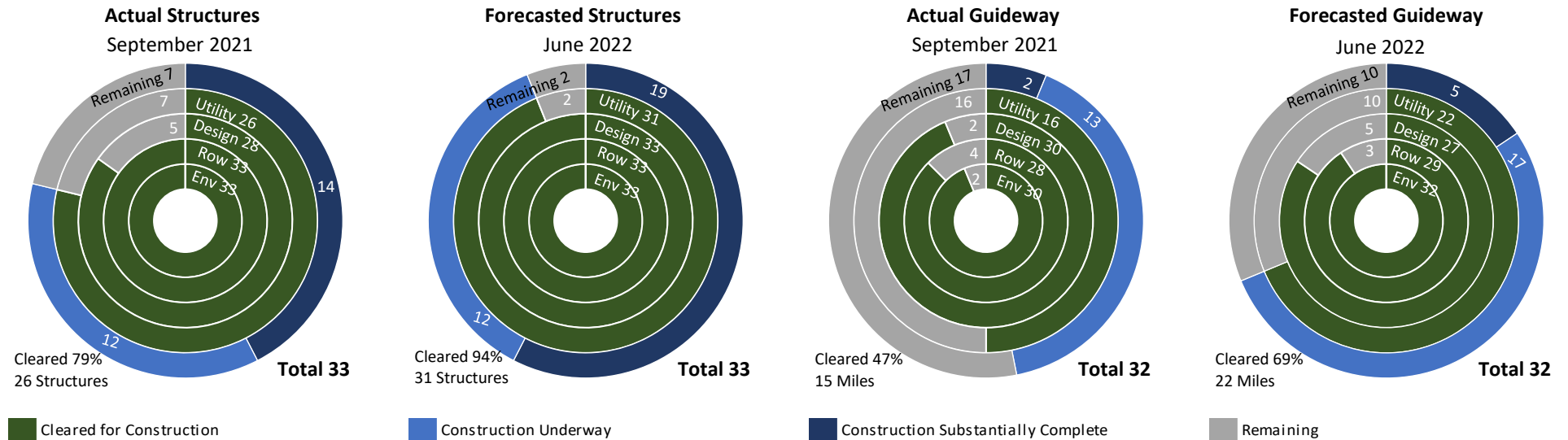


Notes:

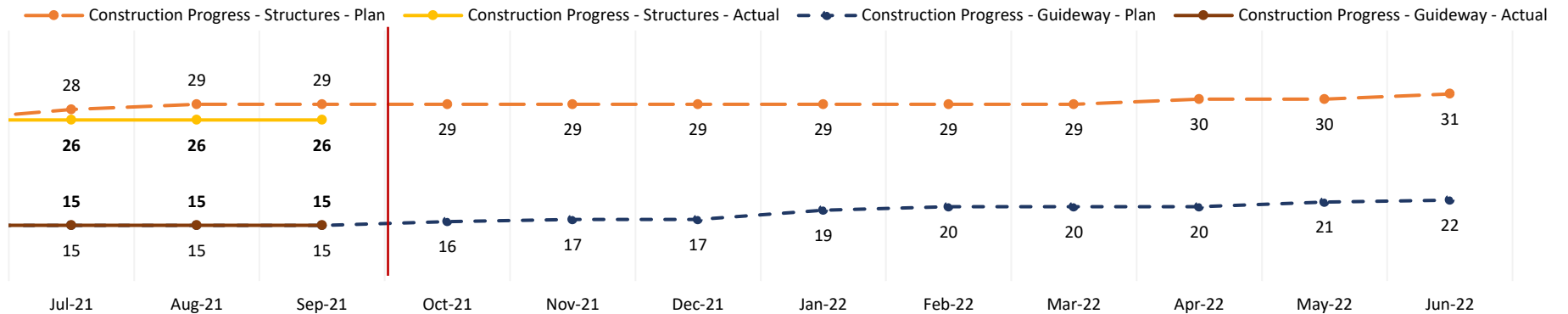
1. The construction labor numbers (full-time employees) are based on the working calendar month.
2. The data represents the overall total on a per working calendar month average status.
3. CP 1 – Labor hours dropped because a dirt hauling operation in Madera County was completed and the structure at Road 27 was finished.

CP 1 – Construction Progress

CP 1 – Construction Progress



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



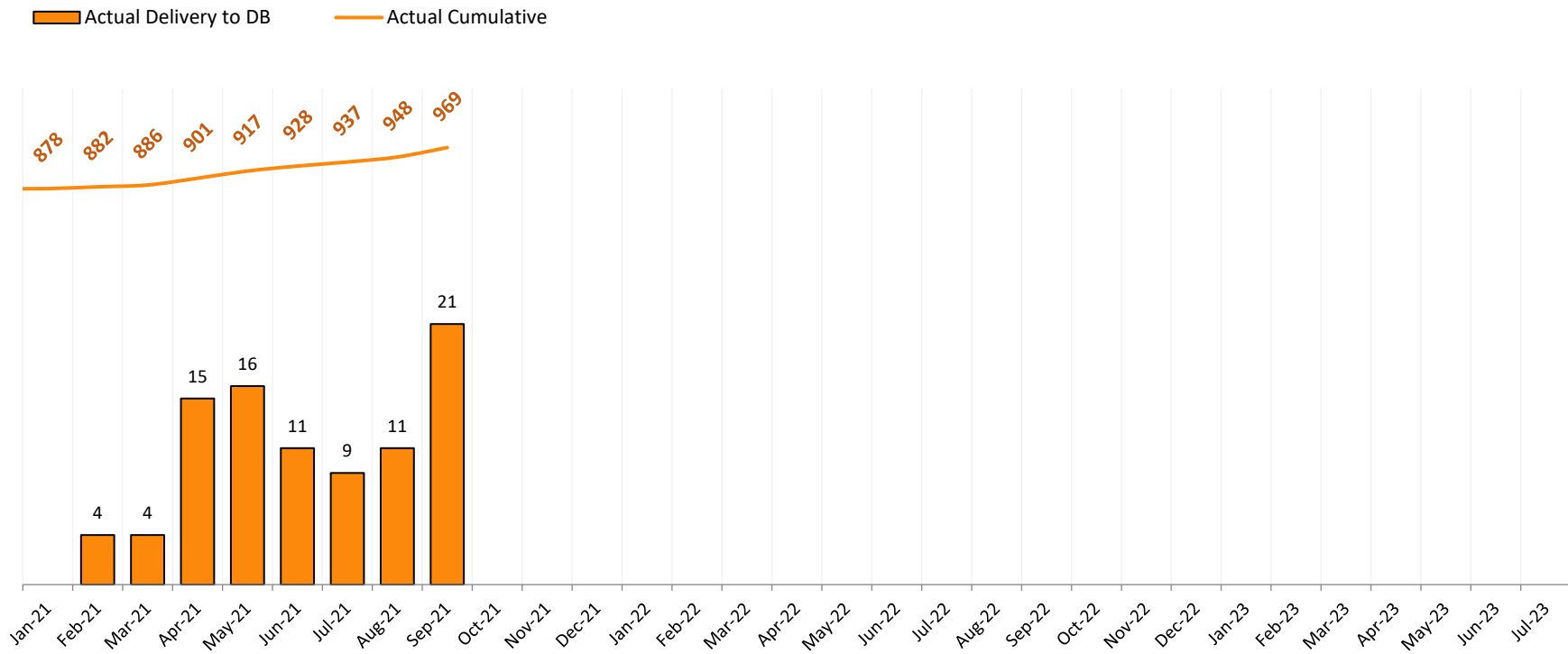
- Notes:**
- The chart above incorporates Revised Baseline Schedules (RBS) Revision 2 data.
 - Total Structures: 33 structures:
 - 26 structures underway/substantially complete. Three behind. Central Avenue did not start in July as planned due to outstanding 48-hour access resolution. Jensen Trench did not start as planned in July due to resubmittal of crossing application requiring additional time. Avenue 17 required re-submittal for 6-Month shelf life (September 2021).
 - Total Guideway: 32 miles:
 - 15 miles underway/substantially complete. On target. Guideway Design is already ahead by 3 compared to the forecasted 27 Cleared For Construction in June 2022.

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

CP 1 – Right-of-Way (ROW) Summary

Construction Package	Total Needed Parcels September 30, 2021	Total Parcels Delivered to Date September 30, 2021	Remaining Parcels to be Delivered September 30, 2021
CP 1	1,065	969	96

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



Notes:

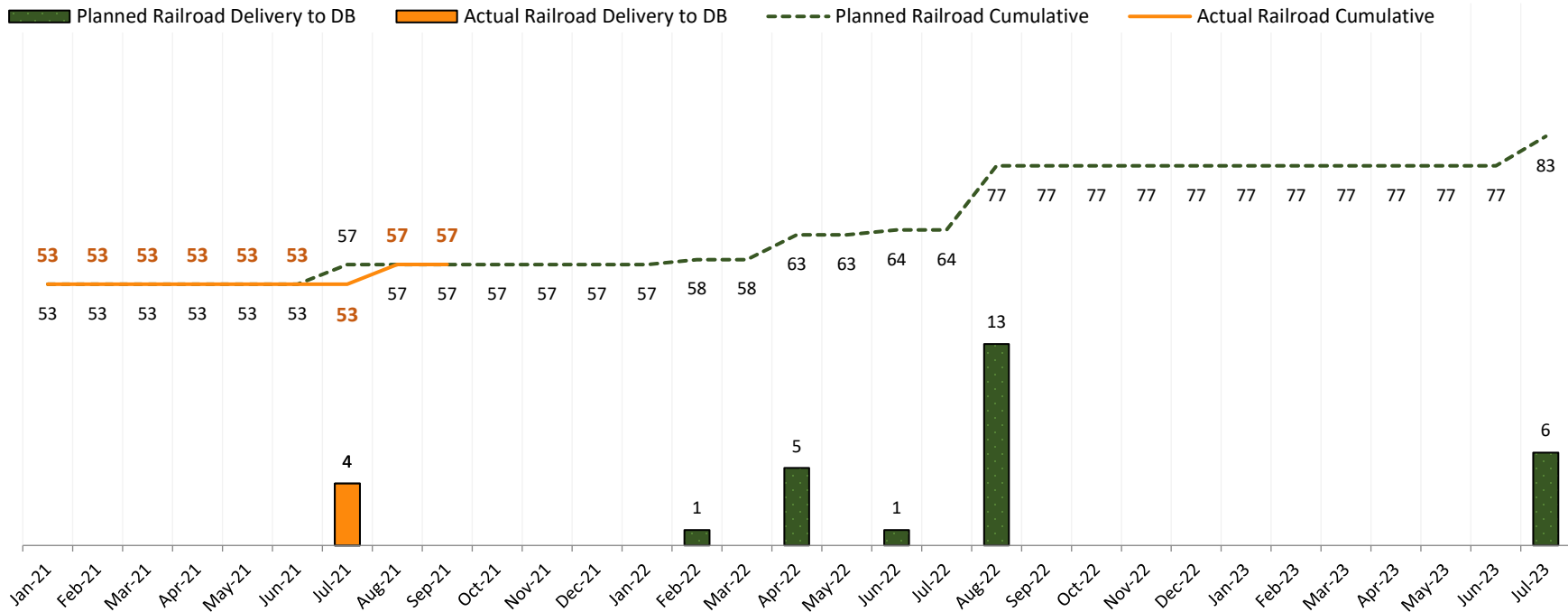
1. This reflects the actual parcels delivered to the Design-Builder by month.
2. One parcel added and one removed from Total Needed Parcels. Added parcel is Authority owned requiring no acquisition.

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

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

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

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



Note:

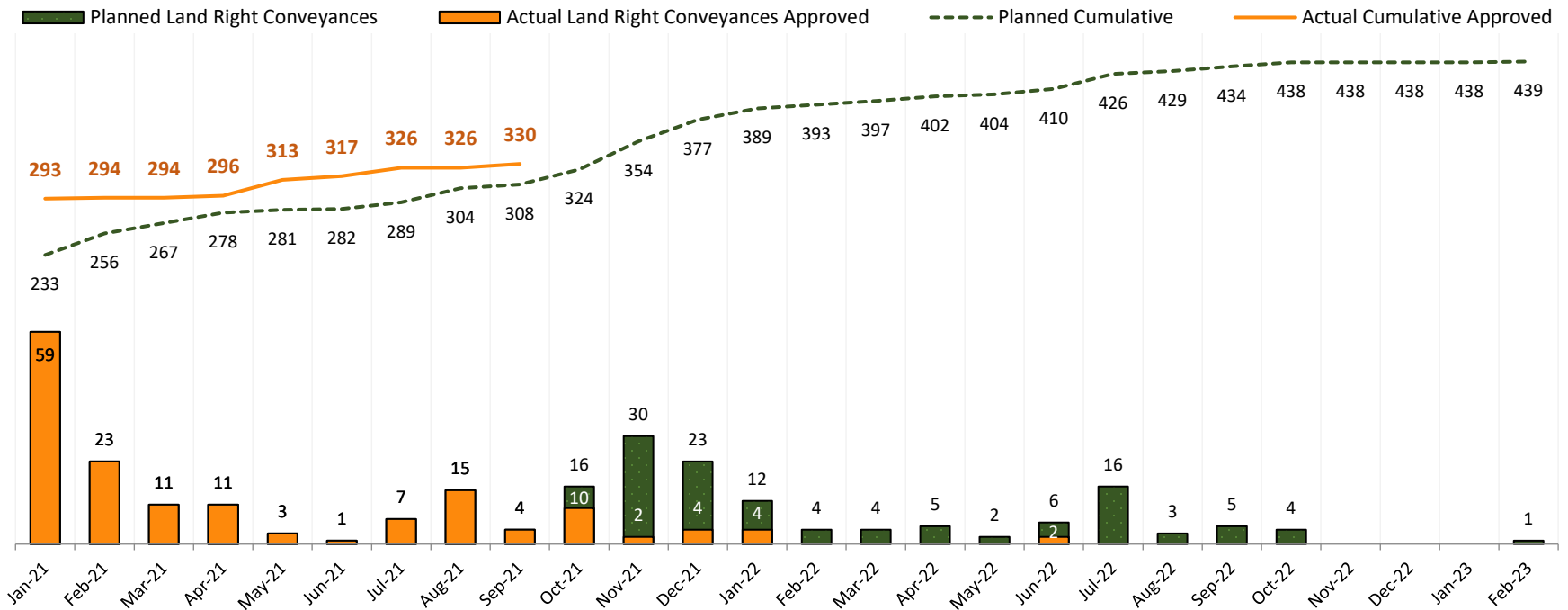
1. This reflects an adjustment to the Revised Baseline Schedules (RBS) Revision 2 for CP 1.

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 September 30, 2021	Total Land Right Conveyances Approved ⁽³⁾ to Date September 30, 2021	Remaining Land Right Conveyances to be Approved September 30, 2021
CP 1	439	330	109

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



Notes:

1. This projection is based on the Revised Baseline Schedules (RBS) Revision 2 for CP 1.
2. Actual Cumulative for September 2021 includes completed land right conveyances that are forecasted in future months.
3. 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:	\$784,149,481.42
Current Contract Amount:	\$2,149,485,371.42
Approved Invoices to Date:	\$1,430,846,546.43
Remaining Contract Balance:	\$718,638,824.99

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 09/30/2021):	2,259

Expended to Date Percentage

Description	Percentage
Time:	73.3%
Dollars:	66.6%

Growth Percentage

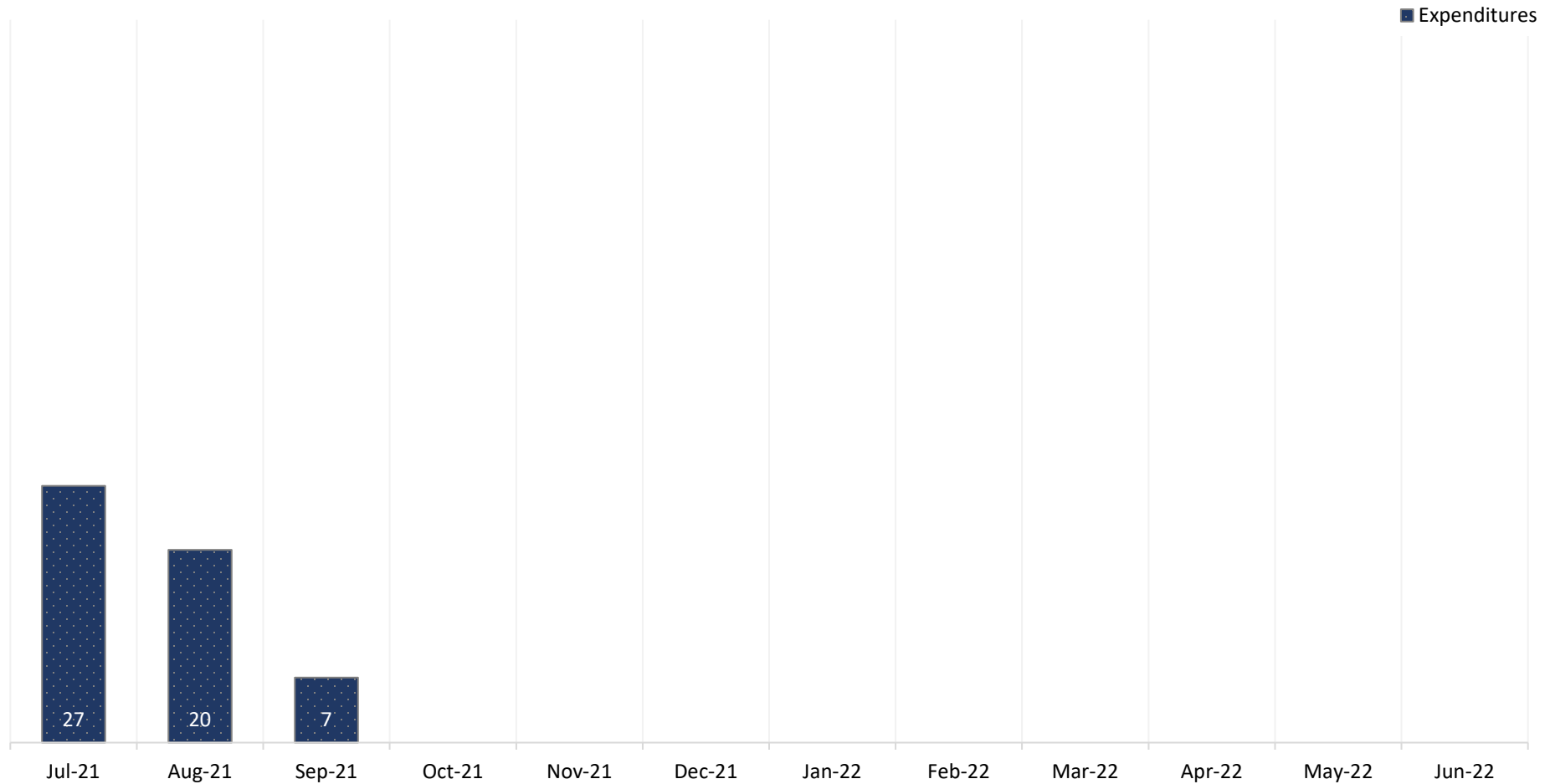
Description	Percentage
Time:	107.3%
Dollars:	57.4%

Notes:

- Information in this section is coming from data provided by the PCM – Monthly Status Report.
- The dollar values above remain at Revised Baseline Schedules (RBS) Revision 1 data.
- Updated to align with Current Substantial Completion Date based on Revised Baseline Schedules (RBS) Revision 2 (pending executed change order).
- RBS Revision 2 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 Substantial Completion Date.

CP 2-3 – Design-Build Expenditures

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



Notes:

1. The projections are subject to change pending the approval of the Revised Baseline Schedule (RBS) Revision 2.
2. Expenditures in the chart above are specific to the Design-Builder production and based on the Capital Outlay and Expenditure Report.
3. 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.

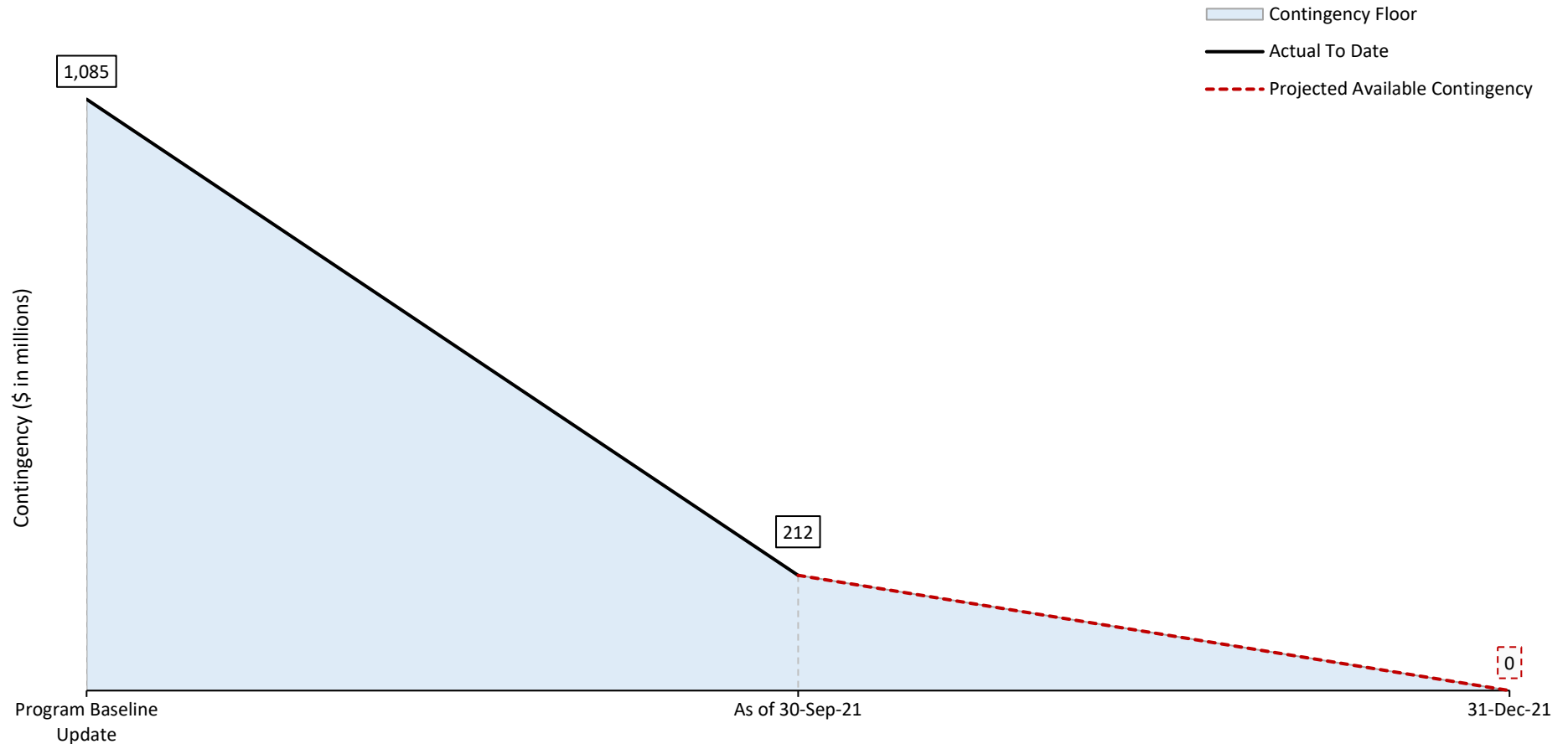
CP 2-3 – Change Orders

CP 2-3 – Change Order Status

CO Number	Title	Change Status	Amount	Executed Date
00045.22	Escalation Costs - June 2021	Executed	\$1,439,717.00	21-Sep-21
00045.21	Escalation Costs - May 2021	Executed	\$859,814.00	21-Sep-21
00233.1	Sweeper Civil Work	Executed	\$48,783.00	21-Sep-21
00264	Foundation Redesign for Concurrent Load Tests	Executed	\$236,918.00	24-Sep-21
00060.2	AID - Ground Disturbance	Executed	\$169,400.00	27-Sep-21
00261	Peach Avenue - Pile Foundation Change - Eliminate Battered Piles	Executed	\$128,235.00	27-Sep-21
00146.1	Davis and Elkhorn - BNSF Structure CAD	Executed	\$165,926.00	27-Sep-21
00266	Clear & Grub Parcels FB-16-0017-02-01 and FB 16-0915-10-01	Executed	\$211,633.00	27-Sep-21
00034.1	Clearing Authority Parcels - T&M	Executed	\$1,000,000.00	28-Sep-21
00113.1	Wristen Ditch Additional Concrete Lining	Executed	\$558,303.00	28-Sep-21
TOTAL			\$4,818,729.00	

CP 2-3 – Risk Contingency

CP 2-3 – Risk Contingency Status

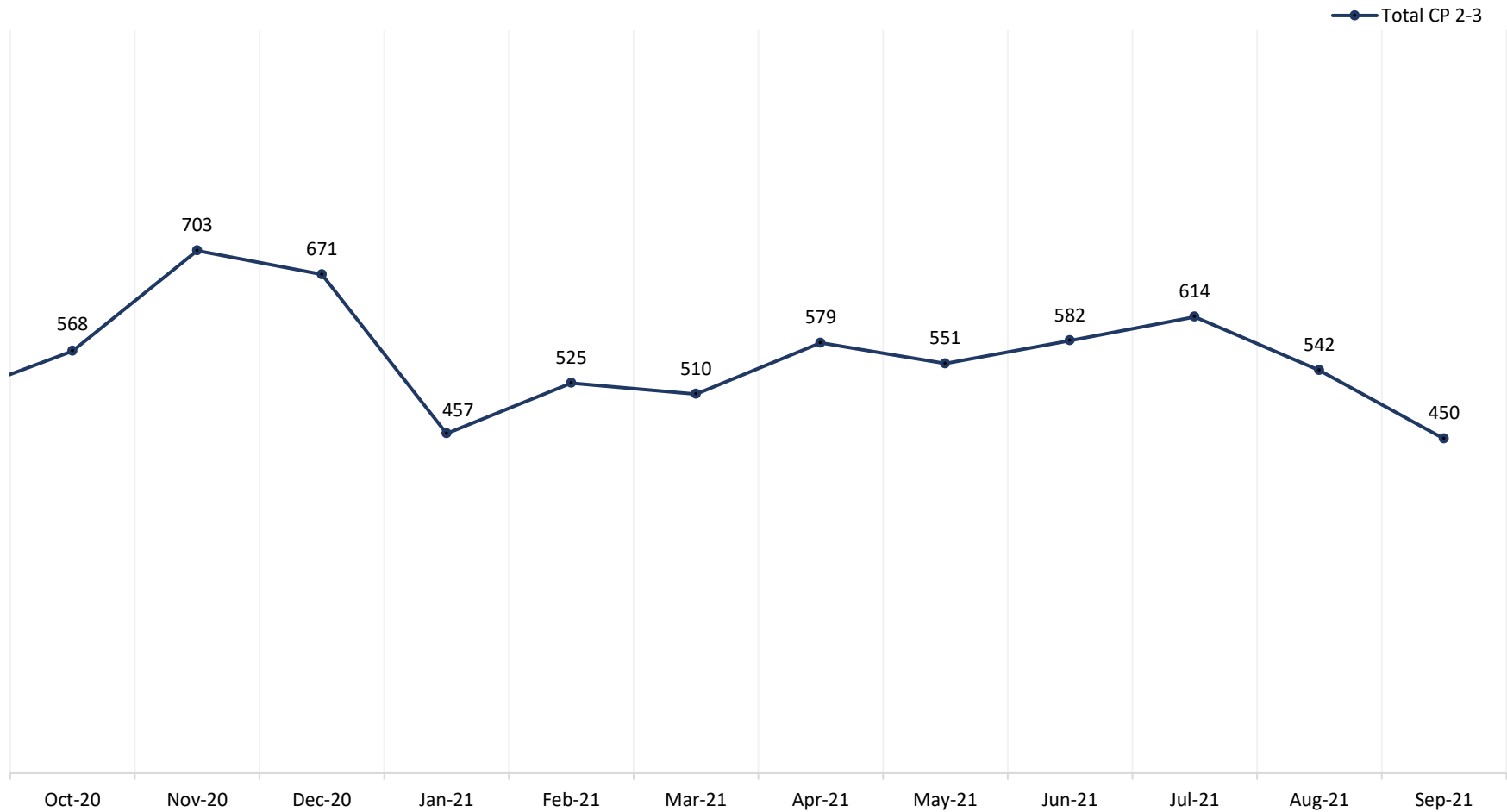


Notes:

1. The contingency drawdown curve has been revised to reflect projected contingency drawdown for the entire CP 1-4 Project through the end of the current quarter (31-Dec-21).
2. Based on the current change order forecast, this is the expected drawdown on the CP Revision 1 budgeted contingency. New budgeted contingency values for the CP will be established in Revision 2 (currently pending approval).
3. Forecasted drawdown is based on the DB contingency only. No forecasts have been provided for Project and Construction Management (PCM), ROW, Provisional Sum, or Third-Party Allocated Contingency.
4. Remaining contingency balance reflects executed change orders and BOC approved items.
5. Contingency Report Charts have been updated based on updated change order forecasts.
6. Contingency is expected to draw down to zero between Nov-21 and Dec-21.

CP 2-3 – Monthly Construction Labor

CP 2-3 – Monthly Construction Workforce Total – Actual

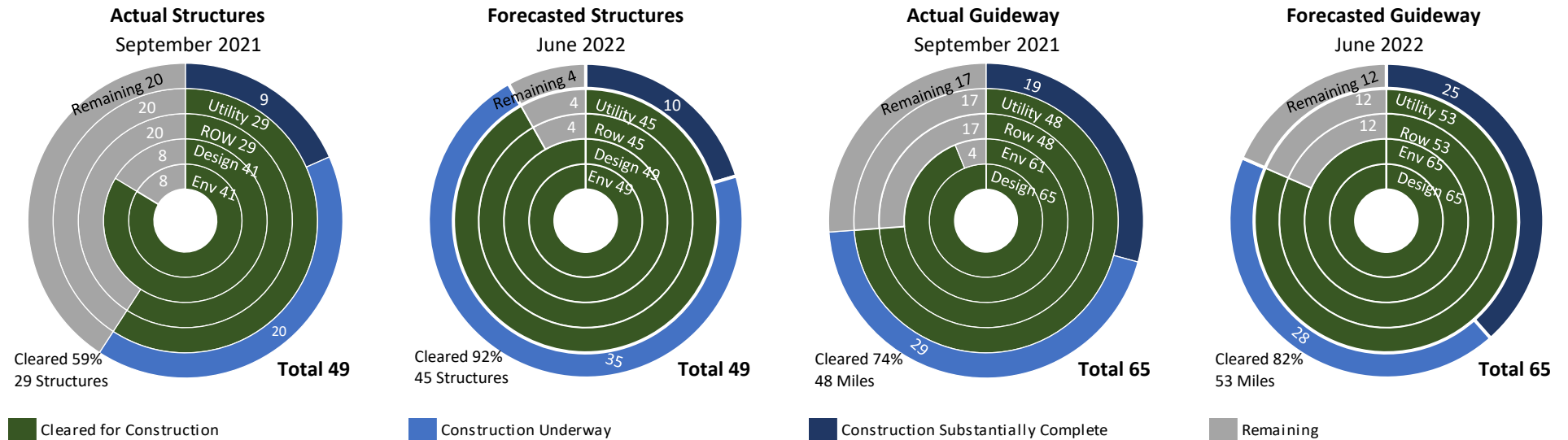


Notes:

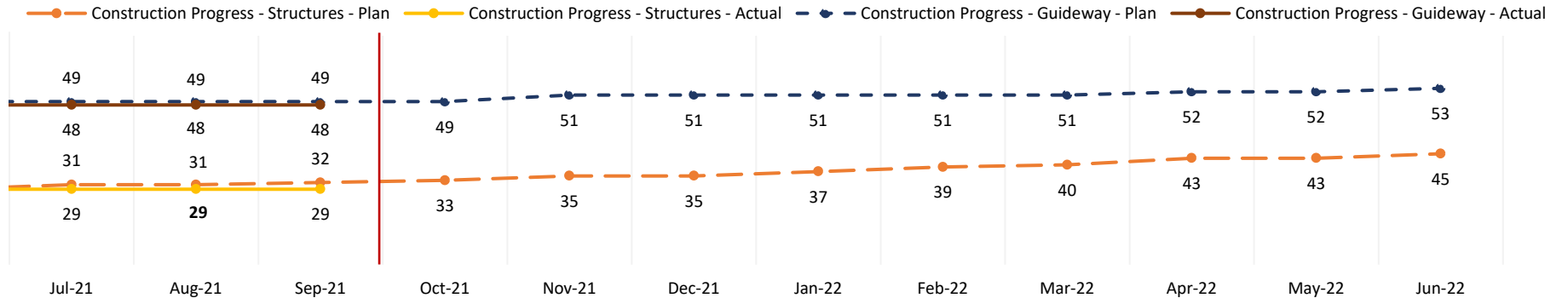
1. The construction labor numbers (full-time employees) are based on the working calendar month.
2. The data represents the overall total on a per working calendar month average status.
3. The drop in labor was due to completion of 9th Avenue, Cairo Avenue, and Excelsior Avenue.

CP 2-3 – Construction Progress

CP 2-3 – Construction Progress



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



Notes:

1. The chart above incorporates Revised Baseline Schedules (RBS) Revision 2 data.
2. Total Structures: 49 each:
 - a. 29 structures underway/substantially complete. Three behind. Dutch John, Grangeville Avenue and Deer Creek Viaduct pending ROW acquisition. Estimated for November 2021.
3. Total Guideway: 65 miles:
 - a. 48 miles underway/substantially complete. One mile behind plan. South of Dutch John Cut pending ROW acquisition. Not on the critical path.

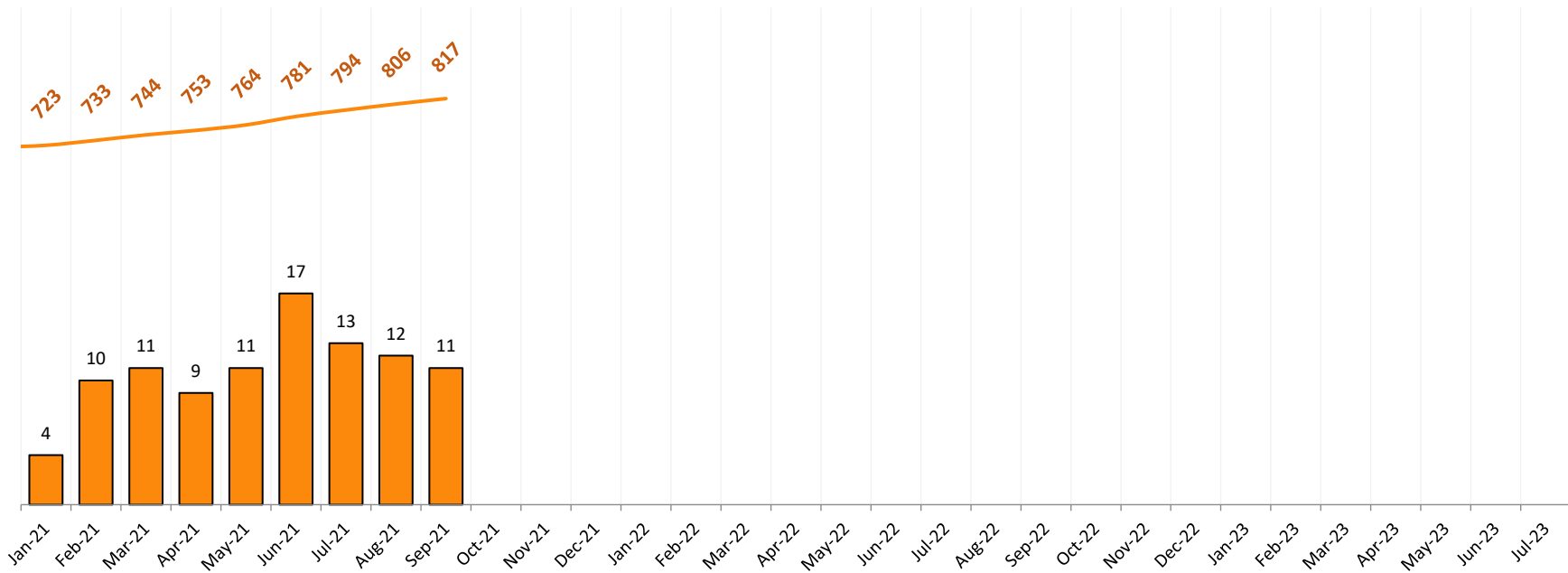
CP 2-3 – Real Property/Right-of-Way (ROW)

CP 2-3 – Right-of-Way (ROW) Summary

Construction Package	Total Needed Parcels September 30, 2021	Total Parcels Delivered to Date September 30, 2021	Remaining Parcels to be Delivered September 30, 2021
CP 2-3	989	817	172

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

Actual Delivery to DB Actual Cumulative



Notes:

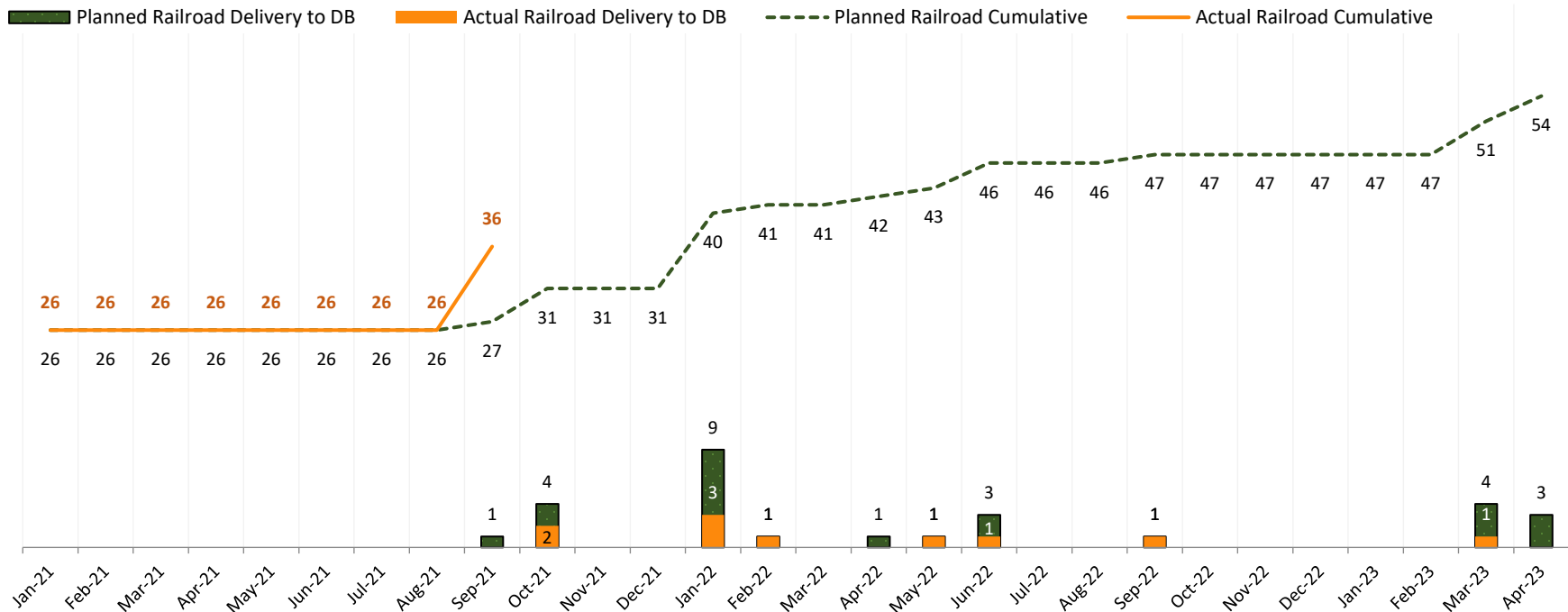
1. This reflects the actual parcels delivered to the Design-Builder by month.
2. Seven CP2-3 parcels removed from Total Needed Parcels, no longer needed for construction.

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 September 30, 2021	Total Railroad Parcels Delivered to Date September 30, 2021	Remaining Railroad Parcels to be Delivered September 30, 2021
CP 2-3	54	36	18

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



Note:

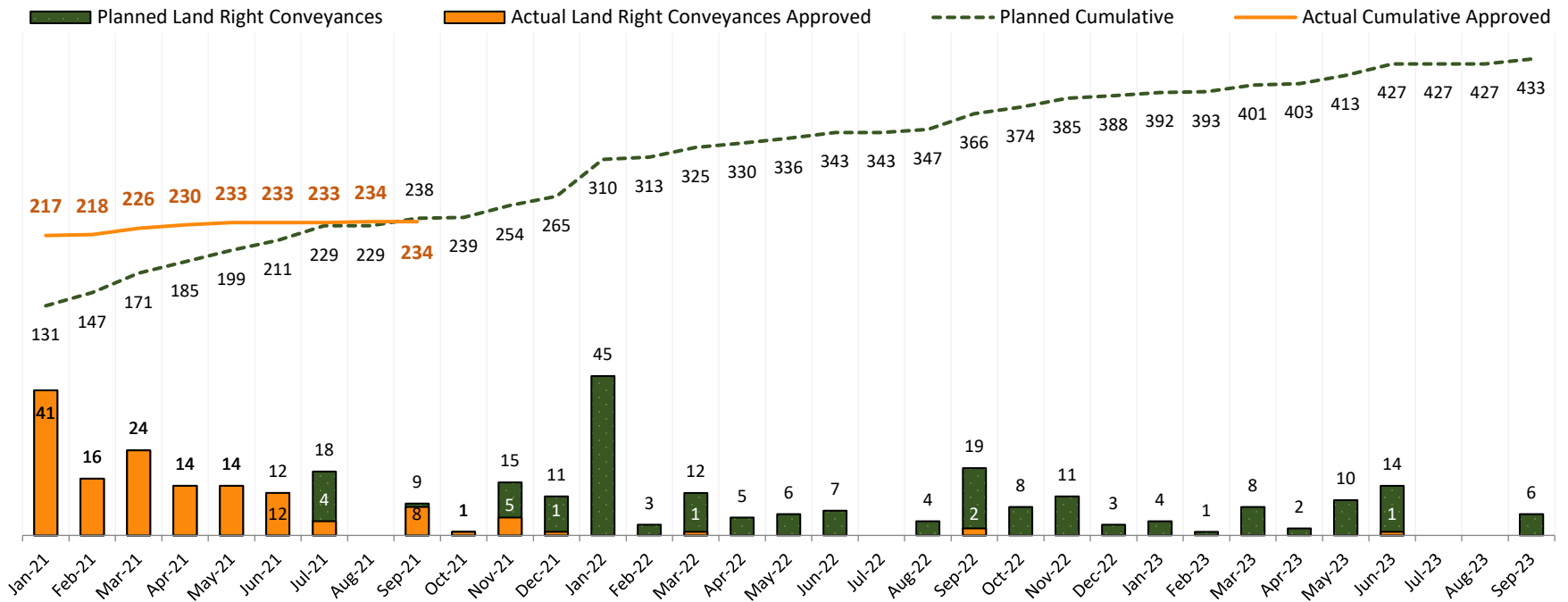
1. This reflects an adjustment to the Railroad Revised Baseline Schedules (RBS) Revision 2 for CP 2-3.

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

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

Construction Package	Total Needed Land Right Conveyances September 30, 2021	Total Land Right Conveyances Approved ⁽³⁾ to Date September 30, 2021	Remaining Land Right Conveyances to be Approved September 30, 2021
CP 2-3	433	234	199

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



Notes:

1. This projection has been revised based on the Revised Baseline Schedules (RBS) Revision 2.
2. Actual Cumulative for September 2021 includes completed land right conveyances that are forecasted in future months.
3. The term "Approved" is defined as land right conveyances with Director of Real Property for signature, PG&E for signature, or recorded.
4. Two CP2-3 land right conveyances removed and no longer needed prior to construction.

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:	\$204,787,202.06
Current Contract Amount:	\$649,034,202.06
Approved Invoices to Date:	\$485,470,194.00
Remaining Contract Balance:	\$163,564,008.06

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 09/30/2021):	1,994

Expended to Date

Description	Percentage
Time:	88.3%
Dollars:	74.8%

Growth Percentage

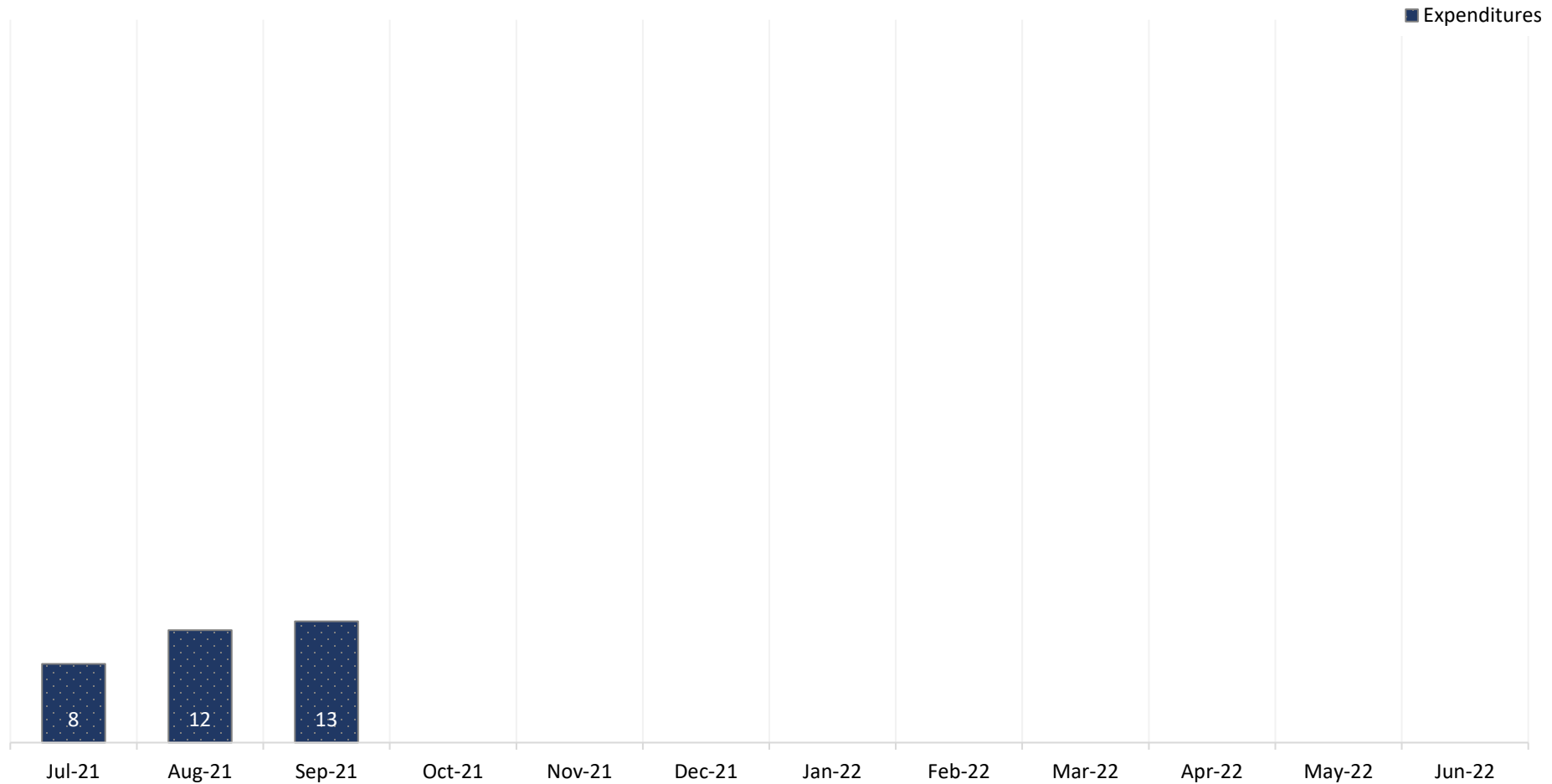
Description	Percentage
Time:	97.5%
Dollars:	46.1%

Notes:

- Information in this section is coming from data provided by the PCM – Monthly Status Report.
- The dollar values above remain at Revised Baseline Schedules (RBS) Revision 1 data.
- Updated to align with Current Substantial Completion Date based on Revised Baseline Schedules (RBS) Revision 2 (pending executed change order).
- RBS Revision 2 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 Substantial Completion Date.

CP 4 – Design-Build Expenditures

CP 4 – Monthly Expenditures (\$ Millions)



Notes:

1. The projections are subject to change pending the approval of the Revised Baseline Schedule (RBS) Revision 2.
2. Expenditures in the chart above are specific to the Design-Builder production and based on the Capital Outlay and Expenditure Report.
3. ROW acquisitions have been delayed at various locations, environmental compliance issues, and utilities clearance conflicts have impacted the construction progression in the northern and central segments.

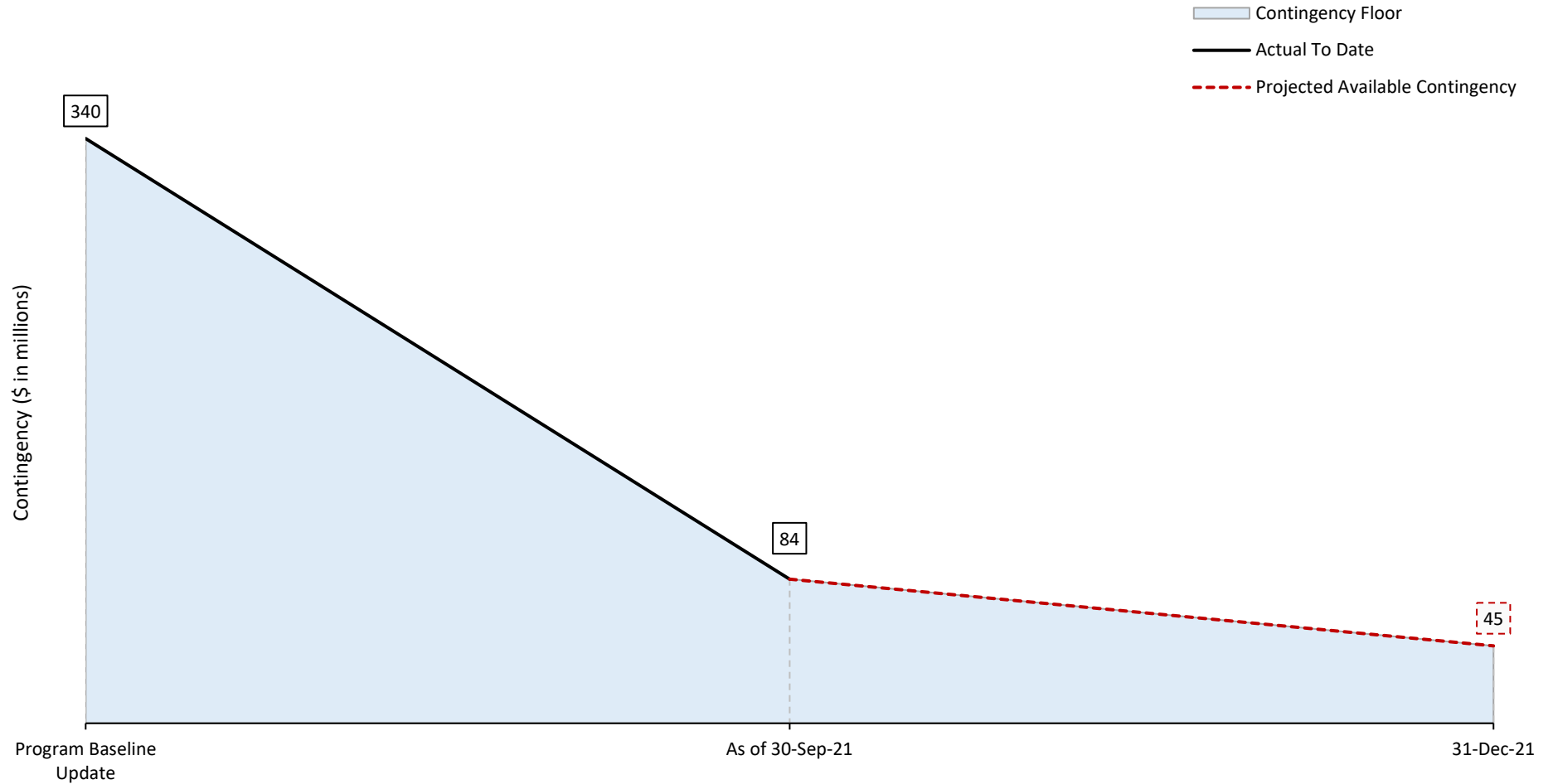
CP 4 – Change Orders

CP 4 – Change Order Status

CO Number	Title	Change Status	Amount	Executed Date
93	Environmental Monitoring Additional Costs for September 12, 2020 to November 13, 2020	Executed	\$929,921.05	14-Sep-21
94	Environmental Monitoring Additional Costs for November 14, 2020 to January 22, 2021	Executed	\$836,407.52	14-Sep-21
95	Semitropic Water Storage District Costs – Reimbursement and Costs/Recompense for Payment Processing	Executed	\$231,317.34	14-Sep-21
102	Additional payment and performance bond premium costs resulting from extension of time per Change Order No.00032R1	Executed	\$1,317,073.51	17-Sep-21
104	Environmental Monitoring Additional Cost January 2021 through February 2021	Executed	\$395,477.60	21-Sep-21
105	Environmental Monitoring Additional Cost February 2021 through March 2021	Executed	\$430,749.12	21-Sep-21
106	Environmental Monitoring Additional Cost March 2021 through April 2021	Executed	\$431,030.09	21-Sep-21
83.1	Girder Storage	Executed	\$148,532.69	30-Sep-21
TOTAL			\$4,720,508.92	

CP 4 – Risk Contingency

CP 4 – Risk Contingency Status

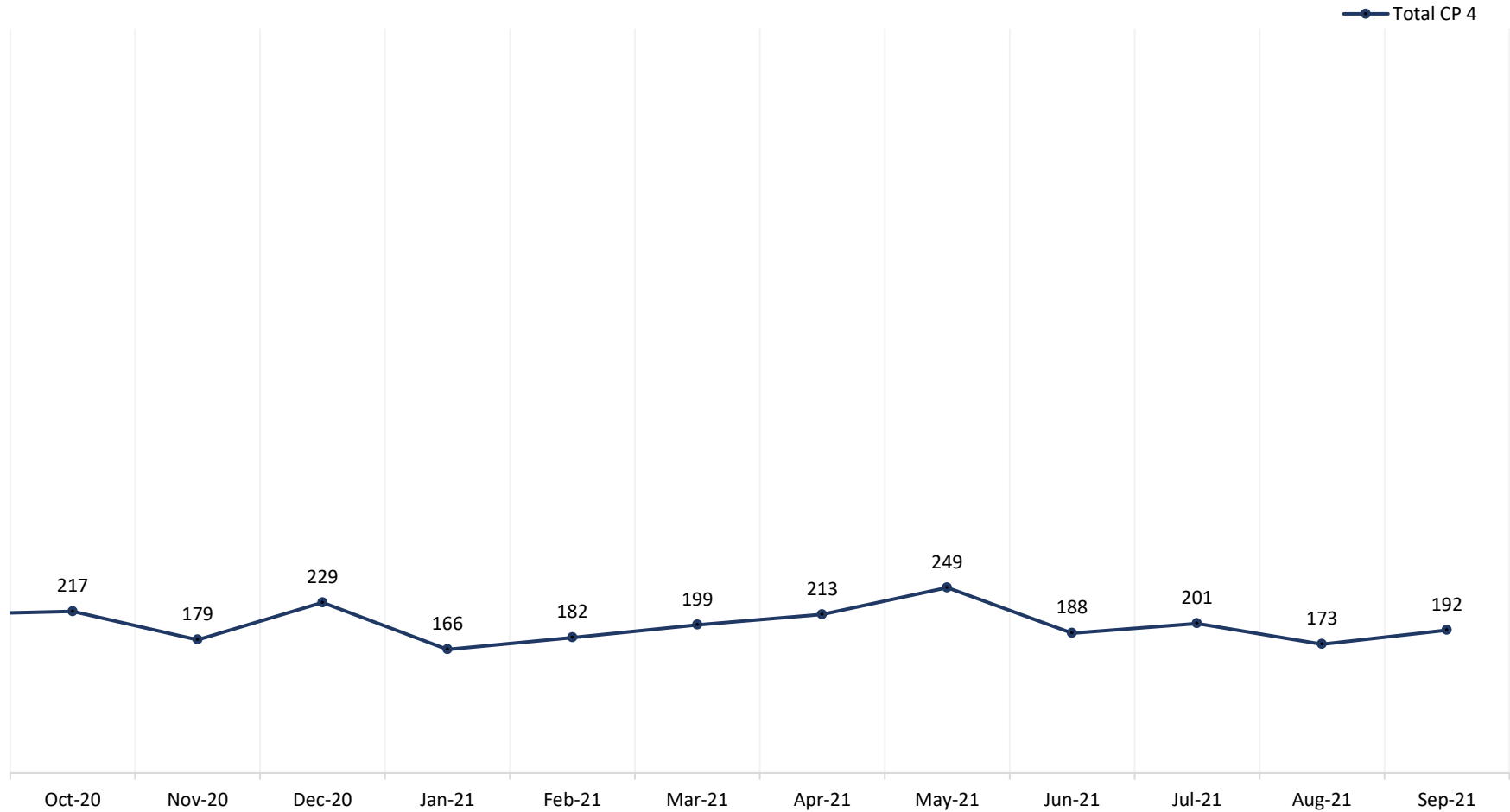


Notes:

1. The contingency drawdown curve has been revised to reflect projected contingency drawdown for the entire CP 1-4 Project through the end of the current quarter (31-Dec-21).
2. Based on the current change order forecast, this is the expected drawdown on the CP Revision 1 budgeted contingency. New budgeted contingency values for the CP will be established in Revision 2 (currently pending approval).
3. Forecasted drawdown is based on the DB contingency only. No forecasts have been provided for Project and Construction Management (PCM), ROW, Provisional Sum, or Third-Party Allocated Contingency.
4. Remaining contingency balance reflects executed change orders and BOC approved items.
5. Contingency Report Charts have been updated based on updated change order forecasts.

CP 4 – Monthly Construction Labor

CP 4 – Monthly Construction Workforce Total – Actual

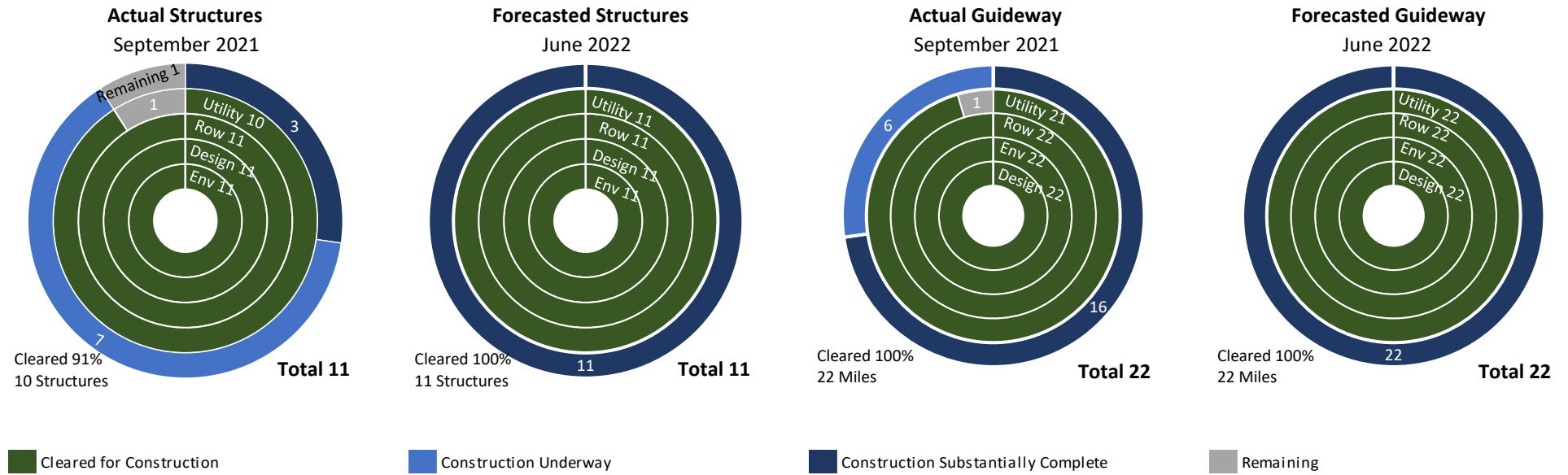


Notes:

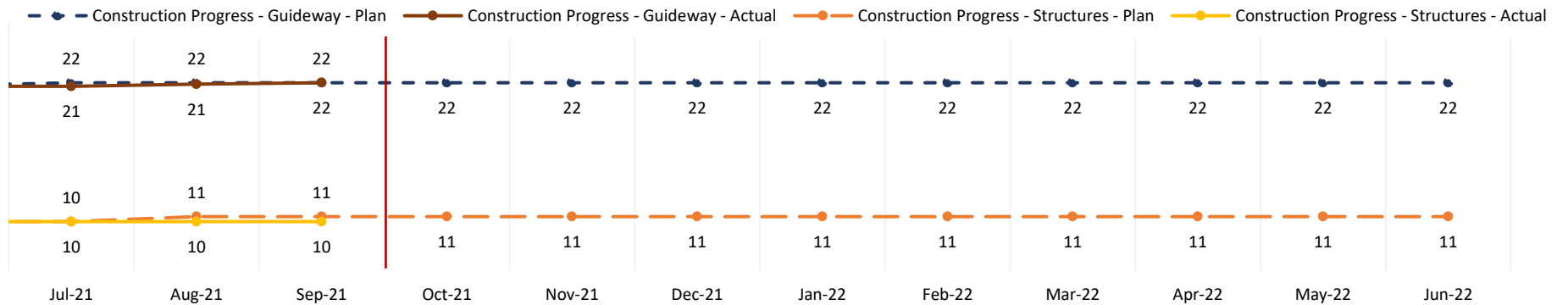
1. The construction labor numbers (full-time employees) are based on the working calendar month.
2. The data represents the overall total on a per working calendar month average status.

CP 4 – Construction Progress

CP 4 – Construction Progress



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



Notes:

1. The chart above incorporates Revised Baseline Schedules (RBS) Revision 2 data.
2. Total Structures: 11 structures:
 - a. 10 structures underway/substantially complete. One behind. Construction of the Amtrak pedestrian underpass is expected to start in October 2021.
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.

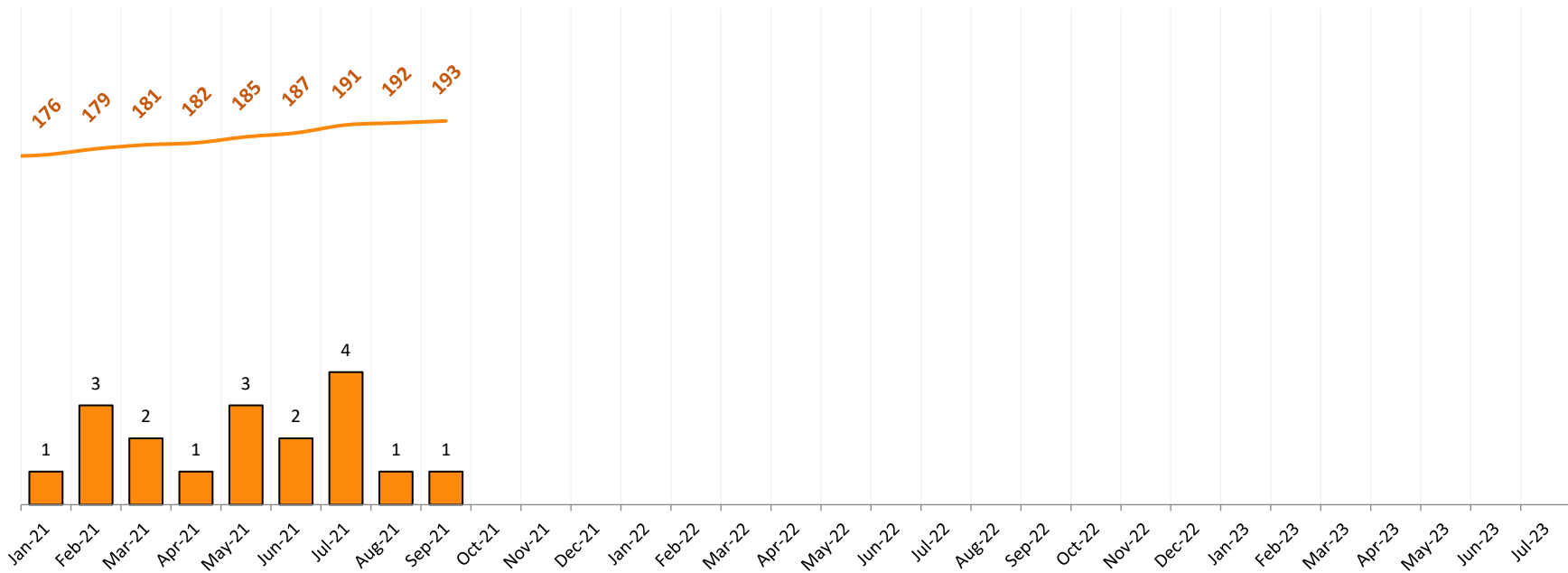
CP 4 – Real Property/Right-of-Way (ROW)

CP 4 – Right-of-Way (ROW) Summary

Construction Package	Total Needed Parcels September 30, 2021	Total Parcels Delivered to Date September 30, 2021	Remaining Parcels to be Delivered September 30, 2021
CP 4	237	193	44

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

Actual Delivery to DB Actual Cumulative



Notes:

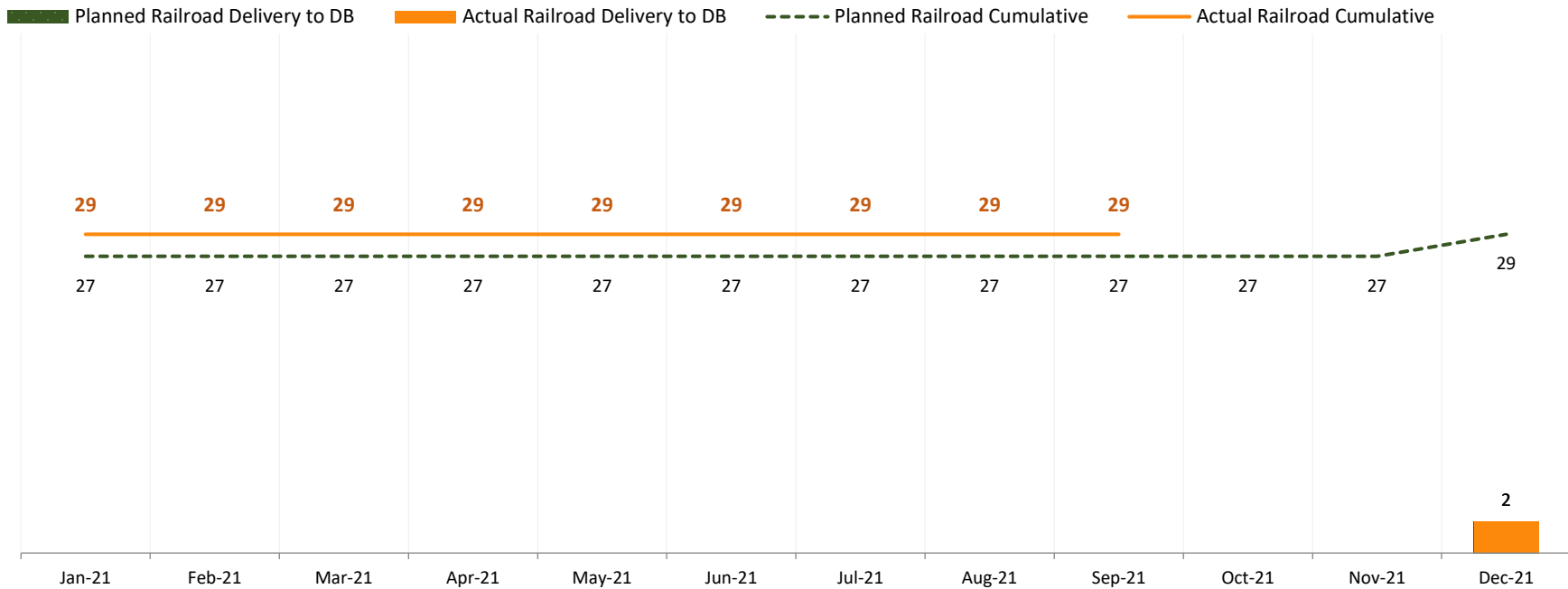
1. This reflects the actual parcels delivered to the Design-Builder by month.
2. One parcel added and one removed from Total Needed Parcels. Added parcel is Authority owned requiring no acquisition.

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

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

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

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



Notes:

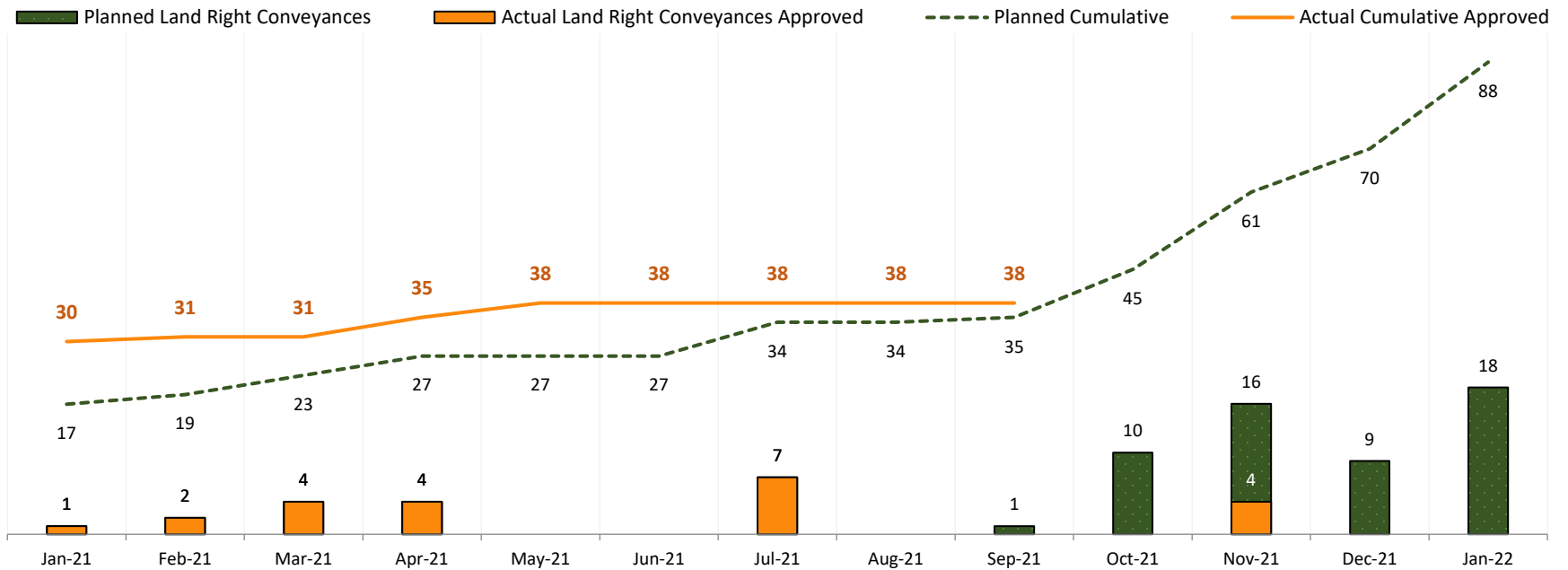
1. This reflects the current Railroad Revised Baseline Schedules (RBS) Revision 2 for CP 4.
2. Actual Railroad Cumulative for September 2021 includes completed land right conveyances that are forecasted in future months.

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 September 30, 2021	Total Land Right Conveyances Approved ⁽³⁾ to Date September 30, 2021	Remaining Land Right Conveyances to be Approved September 30, 2021
CP 4	88	38	50

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



Notes:

1. This projection has been revised based on the Revised Baseline Schedules (RBS) Revision 2 for CP 4.
2. Actual Cumulative for September 2021 includes completed land right conveyances that are forecasted in future months.
3. 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	
			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%
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 Apr-22 65%	Jun-22 May-22 ¹ 70%	Apr-22	May-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 72%	Mar-22 Mar-22 76%	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%	May-22 Jun-22 96%	May-22 Sep-22 96%	Jun-23 Jul-23 0%	Jun-23 Oct-23 ² 0%	Jul-23	Oct-23
4	Burbank to Los Angeles	Plan Forecast % Complete	Complete Complete 100%	Complete Complete 100%	Complete Complete 100%	Complete Complete 100%	Complete Complete 100%	Complete Complete 100%	Complete Complete 100%	Complete Complete 100%	Dec-21 Dec-21 85%	Dec-21 Dec-21 ³ 87%	Dec-21	Dec-21
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 Nov-21 88%	Sep-21 Dec-21 90%	Dec-22 Dec-22 0%	Dec-22 Jan-23 ⁴ 0%	Dec-22	Jan-23
6	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%
7	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:

- One-month delay incorporated for additional review time of the F-J Administrative Final EIR/EIS.
- Three-month delay was incorporated due to late submittal of BNSF air quality deliverables for Colton and Lenwood. BNSF plans to submit these deliverables in mid-December. This schedule change is currently going through the BOC review and governance process.
- Board meeting for consideration of the Final EIR/EIS is currently planned for December 2021. Staff have recommended shifting this Board meeting from December 2021 to January 2022.
- Schedule indicates a 14-week delay - primarily due to addressing ~2,400 internal comments received on the ADEIR/S (7 weeks) and addressing the updates to the AQ/HRA analysis and interagency coordination (e.g., completing the AJD/PJD) (7 weeks).

Project Development – Key Actions

Project Development – Key Actions Summary

Project Section	Key Actions
San Francisco to San Jose	<p>Environmental Services (ES), NAT, and Legal completed backcheck review of responses to public comments on Draft EIR/EIS, and EEC submitted Administrative Final EIR/EIS in September 2021.</p> <p>Comment period for Revised Draft Environmental Impact Report/Supplemental Draft Environmental Impact Statement (RDEIR/SDEIS) closed on September 8, 2021. The document received 24 comment letters with 131 comments delimited.</p>
San Jose to Merced	<p>EEC integrated responses to public comments from the RDEIR/SDEIS and revisions from the Cooperating and Responsible Agencies review of the Administrative Final EIR/EIS into the Final EIR/EIS and submitted in September 2021 for HSR review.</p> <p>Environmental Justice (EJ) content was included in a separate agency review due to EJ analysis refinements in September 2021. Held 26 EJ outreach meetings in September 2021 to obtain community input.</p> <p>Revised the draft Biological Opinion (Section 7 Consultation) for review by US Fish and Wildlife Service and submitted in September 2021.</p>
Central Valley Wye	<p>Memorandum of Understanding (MOU) and settlement agreement of California Environmental Quality Act/National Environmental Policy Act (CEQA/NEPA) claims on Central Valley NOD/ROD sent to of Madera on September 29, 2021 for approval. Tolling agreement extended to October 8, 2021.</p> <p>Permitting for the Central Valley Wye will progress following Board action on the Merced and Bakersfield extensions.</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>The ROD was signed by the CEO on September 3, 2021 and the federal Limitation of Claims notice was posted on the “Federal Register” September 15, 2021.</p>
Palmdale to Burbank	<p>ES/NAT/Finishing Team/Legal completed the ADEIR/S backcheck, and workshops on Transportation, Utilities, AQ/HRA, EJ/Socio economic and Hydrology were held to address comments. Additional time in the schedule was factored to account for updates on the AQ/HRA analysis and for agency coordination on the AJD/PJD; the schedule was augmented seven weeks.</p> <p>Weekly Production meetings continued, to assist with the coordination of the internal deadlines, outreach plans/deadlines, up to the release of the Draft EIR/EIS.</p>
Burbank to Los Angeles	<p>Continued preparing the Final EIR/EIS, which includes addressing comments received on the Administrative Final EIR/EIS.</p> <p>Held a meeting with the Federal Aviation Administration (FAA) on September 13, 2021 to discuss how its comments on the Administrative Final EIR/EIS were addressed.</p> <p>Held a meeting with Metrolink on September 21, 2021 to discuss how its comments on the Draft EIR/EIS were addressed.</p>
Los Angeles to Anaheim	<p>Continued integrating additional revised environmental deliverables from 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>