



Finance & Audit Committee

# **CENTRAL VALLEY STATUS REPORT**

August 2021 Report (data through June 2021)

## Executive Summary

**Overall – This report incorporates construction progress based on Revised Baseline Schedule (RBS) Revision 2 data while cost remains at Revised Baseline Schedule Revision 1 data.**

### Construction Packages (CPs) Invoicing ([Page 5](#))

- June 2021 Total Invoice is \$55.9M:
  - Construction Package 1 – June Invoice totaled \$23.5M.
  - Construction Package 2-3 – June Invoice totaled \$26.6M.
  - Construction Package 4 – June Invoice totaled \$5.8M.
- Total CP Cumulative Actual Invoice – \$3,366.2M.
- Total Cumulative Current Contract Amount – \$5,145.4M.

### Change Orders

- Executed Change Orders this period – Twelve for a total of \$17.6M:
  - Construction Package 1 – One for a total of \$36K.
  - Construction Package 2-3 – Eight for a total of \$16.8M.
  - Construction Package 4 – Three for a total of \$828K.

### Risk Contingency ([Page 6](#))

- Original Contract Contingency – \$2,661.9M with remaining Contract Contingency – \$606.5M.
  - Construction Package 1 – \$1,237.3M with remaining Contract Contingency – \$295.3M.
  - Construction Package 2-3 – \$1,084.8M with remaining Contract Contingency – \$218.4M.
  - Construction Package 4 – \$339.8M with remaining Contract Contingency – \$92.8M.

### CP Design

- Expected completion of all CP's major design by August 2021:
  - Construction Package 1 – 40 of 40 total design packages cleared for construction. Completed in July 2021.
  - Construction Package 2-3 – 106 of 109 total design packages cleared for construction and three in progress. Expected completion August 2021 (Cole Slough and Dutch John pending ROW acquisition for Geotech and Alpaugh ponds currently in comment resolution).
  - Construction Package 4 – 14 of 14 total design packages cleared for construction.

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

- Total Monthly Average – 1,100 daily workers. An increase of 14 daily workers this period (from 1,086):
  - Construction Package 1 – 330 daily workers. An increase of 44 daily workers from the previous month (286).
  - Construction Package 2-3 – 582 daily workers. An increase of 31 daily workers from the previous month (551).
  - Construction Package 4 – 188 daily workers. A decrease of 61 daily workers from the previous month (249) due in part to decrease in truck hauling as available locations to work are reduced.
- Daily Average Contracted CP Employees Quarantined for COVID-19 in June – One. A decrease of two in the daily average of employees from May 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/Underway ([Page 8](#))

- Structures – 65 underway/substantially complete compared to 93 structures total. An increase of one from the previous period, Avenue 9 (CP 1):
  - Construction Package 1 – 26 structures underway/substantially complete. On target.
  - Construction Package 2-3 – 29 structures underway/substantially complete. On target.
  - Construction Package 4 – 10 structures underway/substantially complete. On target.
- Guideway – 84 miles constructed/underway compared to 119 miles total. An increase of two from the previous period (CP 1):
  - Construction Package 1 – 15 miles underway/substantially complete. On target.
  - Construction Package 2-3 – 48 miles underway/substantially complete. One behind.
  - Construction Package 4 – 21 miles underway/substantially complete. On target.
- Utility Relocations Status – Relocated: 621 (30%); In Progress: 554 (27%); Approved to Start: 99 (5%); Not Started: 790 (38%); Total: 2,064. Eight relocated in June 2021 reporting period:
  - Construction Package 1 – Relocated: 247 (20%); In Progress: 458 (38%); Approved to Start: 19 (2%); Not Started: 478 (40%); Total: 1,202.
  - Construction Package 2-3 – Relocated: 330 (47%); In Progress: 81 (12%); Approved to Start: 41 (6%); Not Started: 242 (35%); Total: 694.
  - Construction Package 4 – Relocated: 44 (26%); In Progress: 15 (9%); Approved to Start: 39 (23%); Not Started: 70 (42%); Total: 168.

## CP Real Property/Right-of-Way (ROW) ([Page 9 through 11](#))

- Total Parcels Delivered to Date – 1,896 parcels compared to an estimated total parcels needed – 2,292 parcels.
- Parcels Delivered to Design-Builder (DB) – 30 parcels in June 2021.
- Sixteen delinquent June 2021 parcels. All Design-Builders are exploring out-of-sequence work to mitigate.
  - CP 1: Two parcels – one at East American and one north of Herndon.
  - CP 2-3: Nine parcels – six at Orange, one at Hanford Armona, Houston, and South Fowler.
  - CP 4: Five Parcels – two each at Sherwood and Pond Road, and one south of Garces Highway.
- Construction Packages 1-4 – The Authority received a request for ten 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 (DB) – Zero parcels. Zero delinquent Railroad parcels.
- Total Railroad Parcels Delivered to Date – 106 parcels compared to an estimated total railroad parcels needed – 166 parcels.
- Land Right Conveyances (Tier 1, Prior to Construction).
  - Four land right conveyances approved, zero delinquent.
  - To date, the Authority received approval on 588 land right conveyances.

## Third-Party Agreements ([Pages 12](#))

- Seven remaining key agreements. In the past year, finalized 50 agreements. Thirty-eight of those agreements were critical to supporting construction.

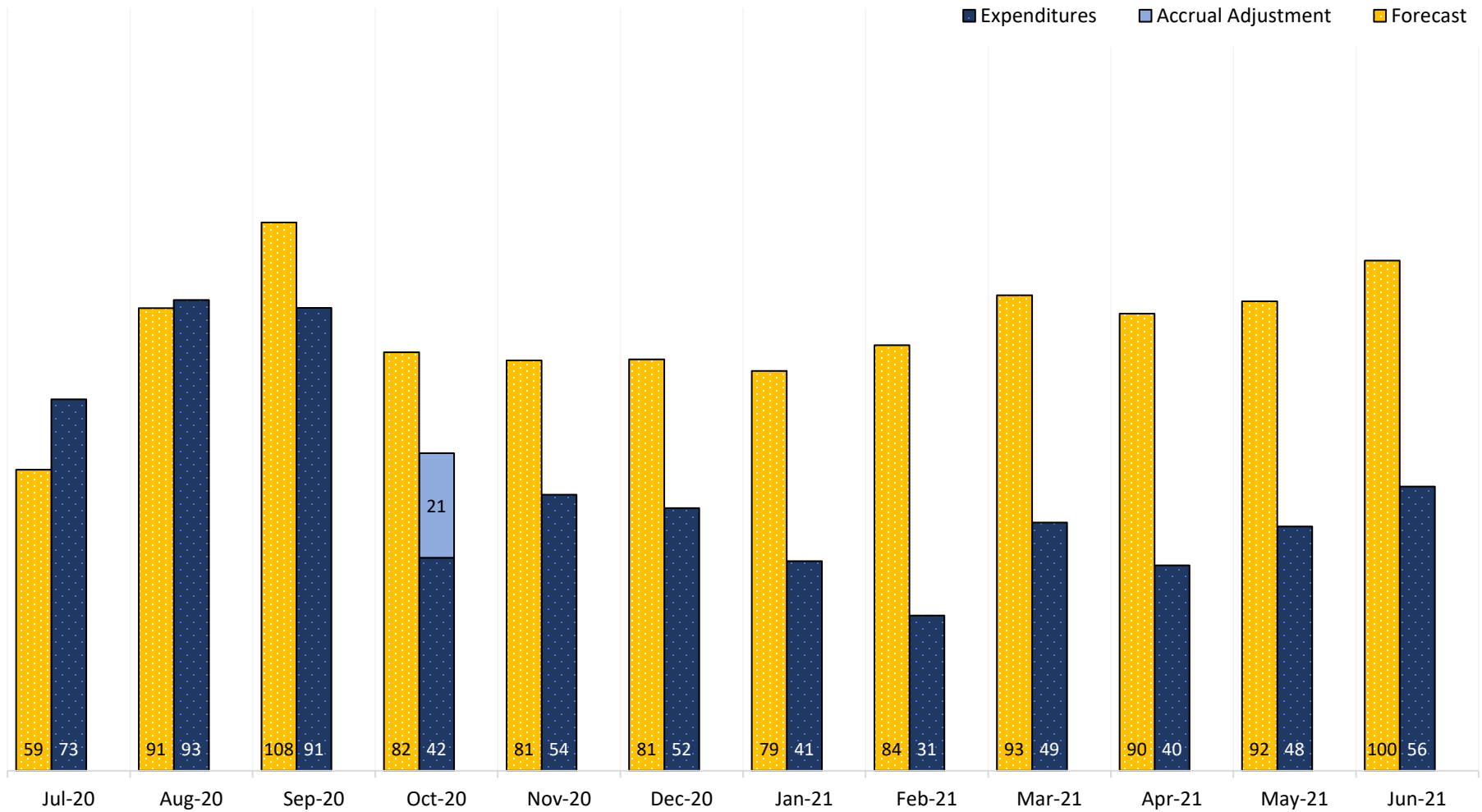
## Project Development (Environmental Clearance) Schedule – Record of Decision (ROD) ([Pages 40 through 42](#))

In June 2021, the Authority continues to make tangible progress on environmental clearance delivery. Five of the six remaining NOD/RODs are scheduled for delivery in advance of the ARRA December 2022 deadline – with Los Angeles to Anaheim having pushed to mid-2023. All NOD/ROD delivery schedules are aligned with Final 2020 Business Plan except Bakersfield to Palmdale which shifted from a June 30, 2021 Board Meeting to the August 18, 2021 Board Meeting to fully incorporate agency comments from the Administrative Final circulation.

- San Francisco to San Jose – Responding to public comments and preparing a Revised Draft Environmental Impact Report/Supplemental Draft Environmental Impact Statement (RDEIR/SDEIS) for 45-day public review starting July 23, 2021.
- San Jose to Merced – The RDEIR/SDEIS 45-day public review period closed on June 9, 2021. The Administrative Final EIR/EIS was distributed for Cooperating and Responsible Agency review on June 22, 2021. Environmental Justice (EJ) content will undergo a separate agency review due to EJ analysis refinements.
- Bakersfield to Palmdale – The Final EIR/EIS was published on June 25. A virtual public meeting was held on June 8 to discuss Historic Preservation (Section 106) updates in Lancaster, CA. The Section 106 process was concluded after the Memorandum of Agreement (MOA) was executed on June 22. Two comments were received during public review period for draft General Conformity Determination (concluded on June 14); waiting for Federal Railroad Administration (FRA) to approve in late July so the Regional Consultant (RC) team can remediate and include in the ROD.
- Palmdale to Burbank – The RC completed responding to all outstanding comments on the Administrative Draft Environmental Impact Report/Statement (ADEIR/S). The Environmental Services/NEPA Assignment Team (ES/NAT) and Legal reviewers were invited to a Legal/NEPA Team Review and Workshops (Step 6b2) HSR Review kick-off meeting (June 17). Successfully received the ADEIR/S on June 18 and notified ES/NAT and Legal their review period commenced. The Public Comment period for the Draft EIR/EIS is scheduled to commence mid-September 2021.
- 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 Planned vs. Actual Expenditures – Near Term

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

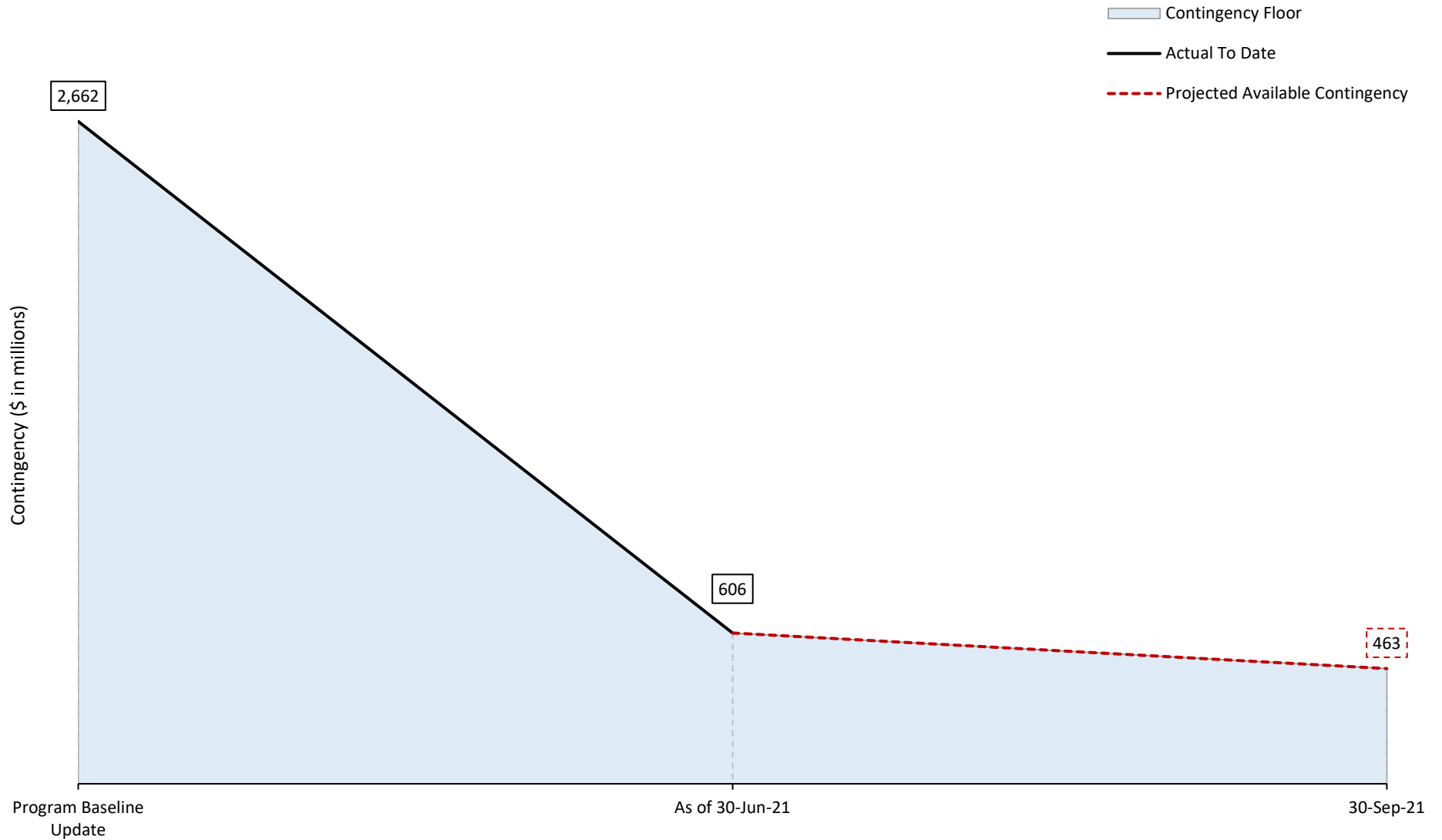


**Notes:**

1. The chart above remains at Revised Baseline Schedules (RBS) Revision 1 data.
2. Expenditures in the chart above are specific to the Design-Builder production and based on the Capital Outlay and Expenditure Report.
3. June 2021 Total Invoice is \$55.9M.
  - Construction Package 1 – June Invoice totaled \$23.5M.
  - Construction Package 2-3 – June Invoice totaled \$26.6M.
  - Construction Package 4 – June Invoice totaled \$5.8M.

# CP 1-4 – Risk - Contingency Report

## CP 1-4 – Risk - Contingency Report

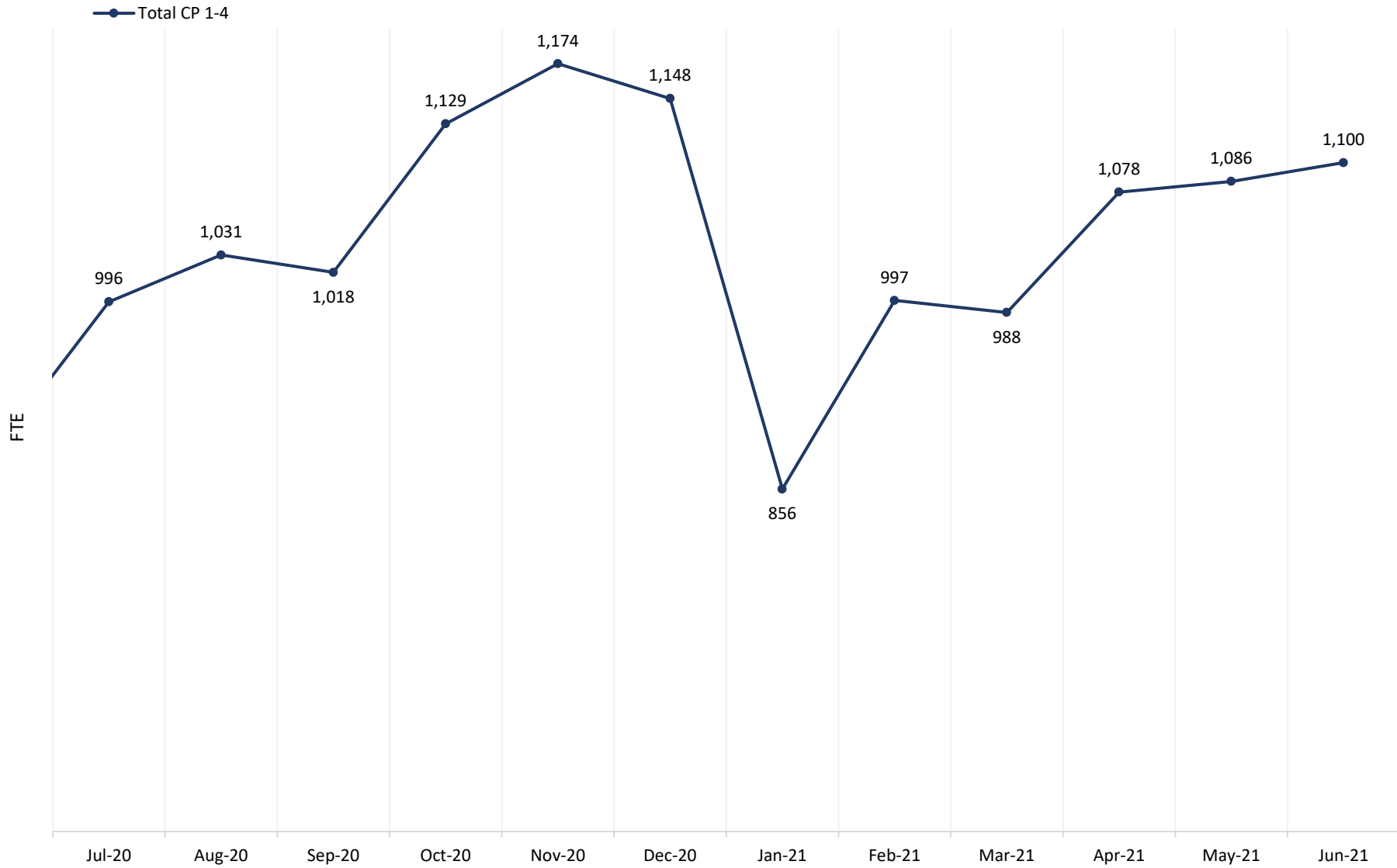


**Notes:**

1. The chart above remains at Revised Baseline Schedules (RBS) Revision 1 data.
2. 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 (30-Sep-21).
3. 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).
4. Forecasted drawdown is based on the Design-Builder (DB) contingency only. No forecasts have been provided for PCM, ROW, Provisional Sum, or Third-Party Allocated Contingency.
5. Contingency Report Charts have been updated based on updated change order forecasts.

# CP 1-4 – Monthly Construction Workforce Total

## CP 1-4 – Monthly Construction Workforce Total – Actual

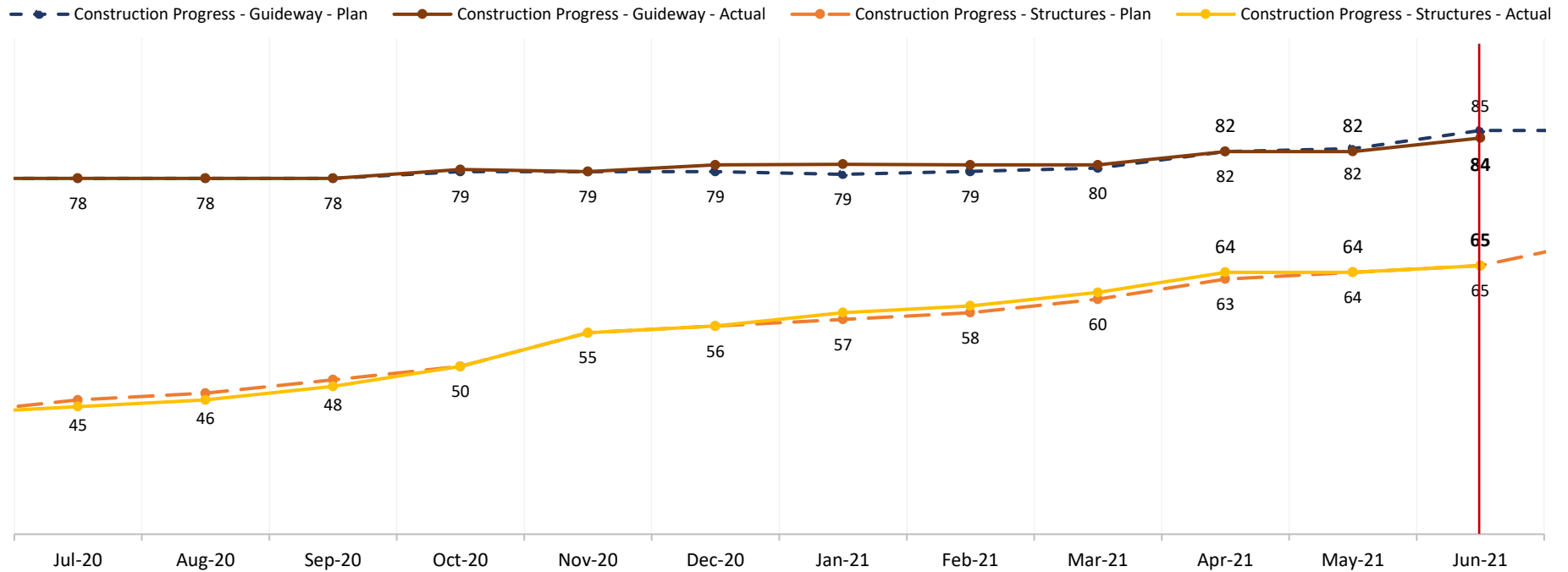


**Notes:**

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.

# CP 1-4 – Structures and Guideway Progress – Planned vs. Actual

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



## Monthly Construction Status – Under Construction vs. Completed

Construction	CP 1		CP 2-3		CP 4		Overall		Total
	In Progress	Completed	In Progress	Completed	In Progress	Completed	In Progress	Completed	
<b>Structures</b>	13	13	21	8	10	0	<b>44</b>	<b>21</b>	<b>65</b>
<b>Guideway</b>	13	2	29	19	21	0	<b>63</b>	<b>21</b>	<b>84</b>

**Notes:**

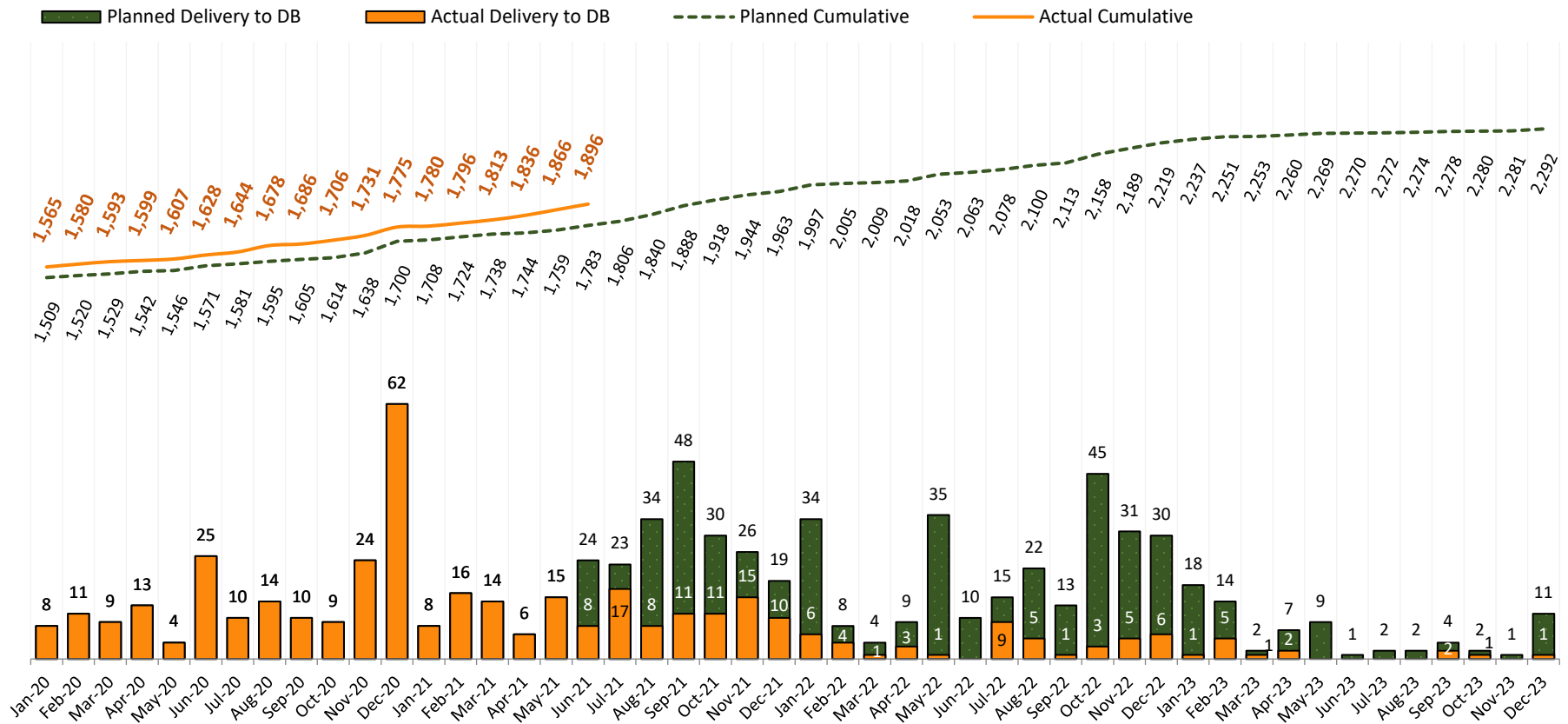
- The chart above incorporates Revised Baseline Schedules (RBS) Revision 2 data.
- Total Structures: 93 each.
- Total Guideway: approximately 119 miles.
- Structures – 65 underway/substantially complete compared to 93 structures total. An increase of one from the previous period:
  - CP 1 – 26 structures underway/substantially complete. On target.
  - CP 2-3 – 29 structures underway/substantially complete. On target.
  - CP 4 – 10 structures underway/substantially complete. On target.
- Guideway – 84 miles constructed/underway compared to 119 miles total. An increase of two from the previous period:
  - CP 1 – 15 miles underway/substantially complete. On target.
  - CP 2-3 – 48 miles underway/substantially complete. One behind.
  - CP 4 – 21 miles underway/substantially complete. On target.



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

Construction Package	Total Needed Parcels June 30, 2021	Total Parcels Delivered to Date June 30, 2021 <sup>3</sup>	Remaining Parcels to be Delivered June 30, 2021
CP 1	1,059	928	131
CP 2-3	996	781	215
CP 4	237	187	50
<b>Total</b>	<b>2,292</b>	<b>1,896</b>	<b>396</b>

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

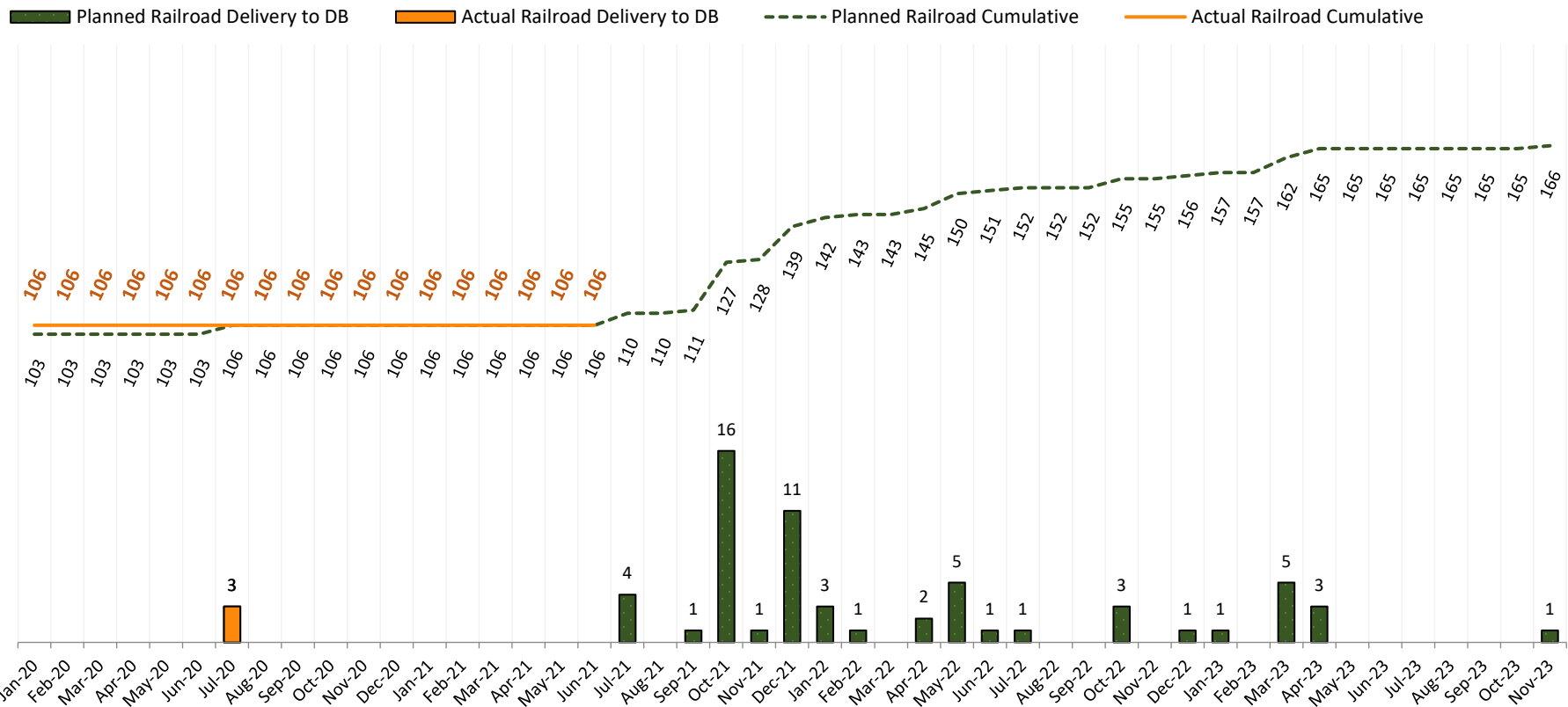


- Notes:**
1. This reflects the current Revised Baseline Schedules (RBS) Revision 2 for CP 1, CP 2-3, and CP 4.
  2. Actual cumulative line for June 2021 reflects delivered parcels that are forecasted in future months.
  3. Delivered to Design-Builder (DB) adjusted by one parcel in Jun-20 due to reporting reconciliation.

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

Construction Package	Total Needed Railroad Parcels June 30, 2021	Total Railroad Parcels Delivered to Date June 30, 2021	Remaining Railroad Parcels to be Delivered June 30, 2021
CP 1	83	53	30
CP 2-3	54	26	28
CP 4	29	27	2
<b>Total</b>	<b>166</b>	<b>106</b>	<b>60</b>

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

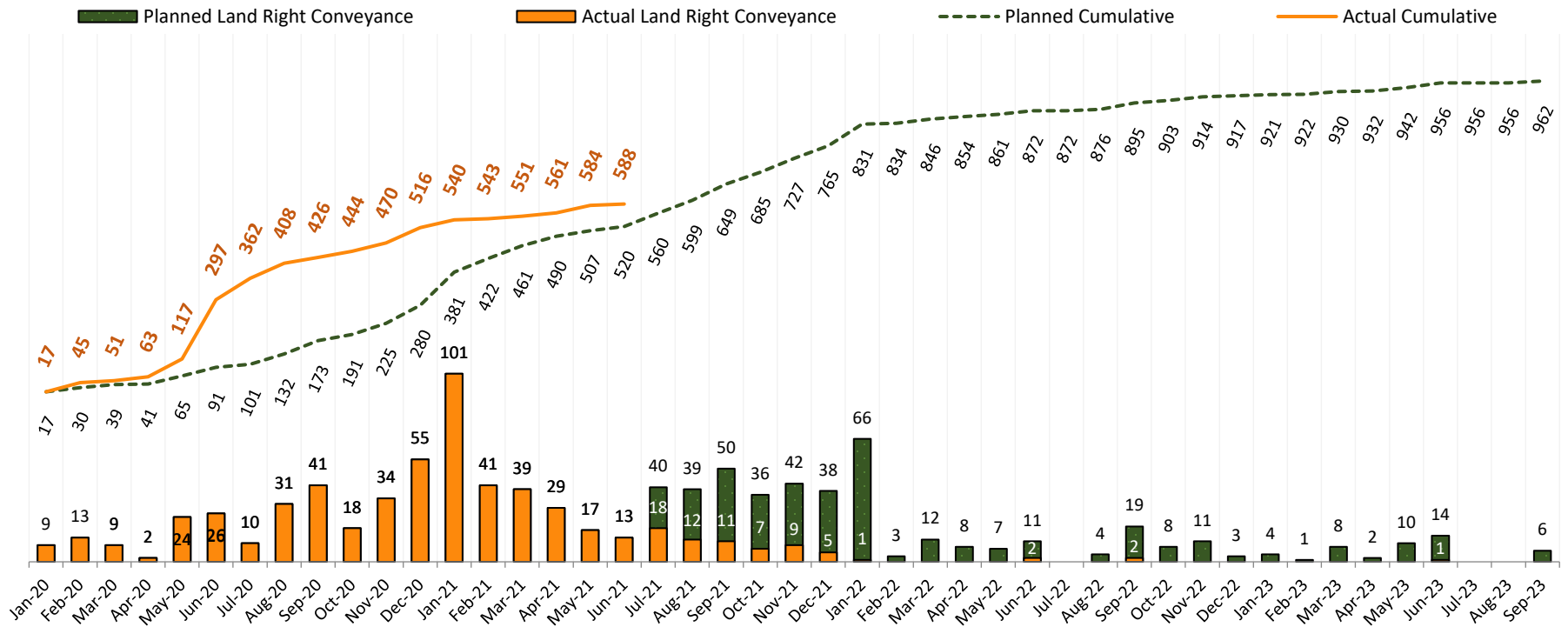


- Notes:**
1. This reflects the current Railroad Revised Baseline Schedules (RBS) Revision 2 for CP 1, CP 2-3, and CP 4.
  2. Planned Railroad Delivery to Design-Builder (DB) adjusted by one in Jun-21 due to data reconciliation.

### 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 June 30, 2021	Total Land Right Conveyances Approved <sup>(4)</sup> June 30, 2021	Remaining Land Right Conveyances to be Approved June 30, 2021
CP 1	439	317	122
CP 2-3	435	233	202
CP 4	88	38	50
<b>Total</b>	<b>962</b>	<b>588</b>	<b>374</b>

### 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 June 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 Tier 1 Land Right Conveyances added in CP1 and one no longer needed prior to construction CP2-3. Net increase of one land right conveyance.

## 119-Mile Central Valley Segment – Third-Party Agreements

### 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
County of Kings	CP 2-3	Covers transfer of ROW between Authority and County. Grants immediate right of possession to Authority and use of existing ROW for construction.  Kings County originally indicated the agreement would be presented to Board of Supervisors for approval on June 29, 2021 but sent revisions requiring additional time to finalize the agreement. The deadline has been extended to September 2021 to provide time for the agreement to be returned to the Authority for final execution.	Jul-21	Sep-21
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.  City of Wasco halted negotiations due to dispute on additional financial Farmworker Housing support.	Jul-20	On Hold
City of Wasco	CP 4	Defines ownership and maintenance of grade separations between Authority and City in perpetuity.  City of Wasco halted negotiations due to dispute on additional financial Farmworker Housing support.	Jul-20	On Hold
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 <sup>th</sup> Street closure, and Amtrak pedestrian underpass.	N/A	Oct-21
Semitropic Water Storage District	CP 4	Design and construction of facilities.  Update as of July 31, Semitropic Board approved July 14.	May-21	Jul-21
Semitropic Water Storage District	CP 4	CCUA <sup>(1)</sup> template allows prompt execution of land conveyances.  Update as of July 31, Semitropic Board approved July 14.	May-21	Jul-21
Semitropic Water Storage District	CP 4	JUA <sup>(2)</sup> template allows prompt execution of land conveyances.  Update as of July 31, Semitropic Board approved July 14.	May-21	Jul-21

**Notes:**

1. Consent to Common Use Agreement (CCUA) – CCUAs recognize/perpetuate a facility owner's existing rights where a facility is either protected in place in an area that is now within the Authority's Right-of-Way (ROW) or relocated to a new position within the Authority's ROW, but also still within the facility owner's existing Right-of-Way (ROW) (for example, an open canal is converted to a box culvert under the Authority corridor). CCUAs also establish the facility owner's and Authority's respective rights and obligations for occupying, maintaining, and accessing the joint use area.
2. Joint Use Agreement (JUA) – JUAs identify and convey replacement easement rights to facility owners when their utility facility relocates to a position within the Authority's Right-of-Way (ROW) and outside or partly outside of the facility owner's existing ROW. JUAs also establish the facility owner's and Authority's respective rights and obligations for occupying, maintaining, and accessing the joint use area.

# CONSTRUCTION PACKAGE 1 (CP 1) OVERVIEW<sup>(1)</sup>

## CP 1 – Design-Build Contract Summary<sup>(2)</sup>

### Milestones

Milestone	Date
RFQ Date:	11/15/2011
SOQ Date:	12/19/2011
RFP Date:	03/22/2012
Proposal:	01/18/2013
Bid Open Date:	04/13/2013
Award Date:	08/16/2013
NTP 1 Date:	10/15/2013
NTP 2 Date:	11/22/2013
NTP 3 Date:	07/11/2014
Original Completion Date:	03/31/2018
Current Contract Completion Date:	11/02/2021
<b>Current Forecast Substantial Completion Date<sup>(3)</sup>:</b>	<b>12/29/2023</b>

### 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:	\$1,339,713,975.16
Current Contract Amount:	\$2,362,701,975.16
Approved Invoices to Date:	\$1,521,075,413.08
<b>Remaining Contract Balance:</b>	<b>\$841,626,562.08</b>

### 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 06/30/2021):	2,815

### Expended to Date<sup>2,3</sup>

Description	Percentage
Time:	75.5%
Dollars:	64.4%

### Growth Percentage

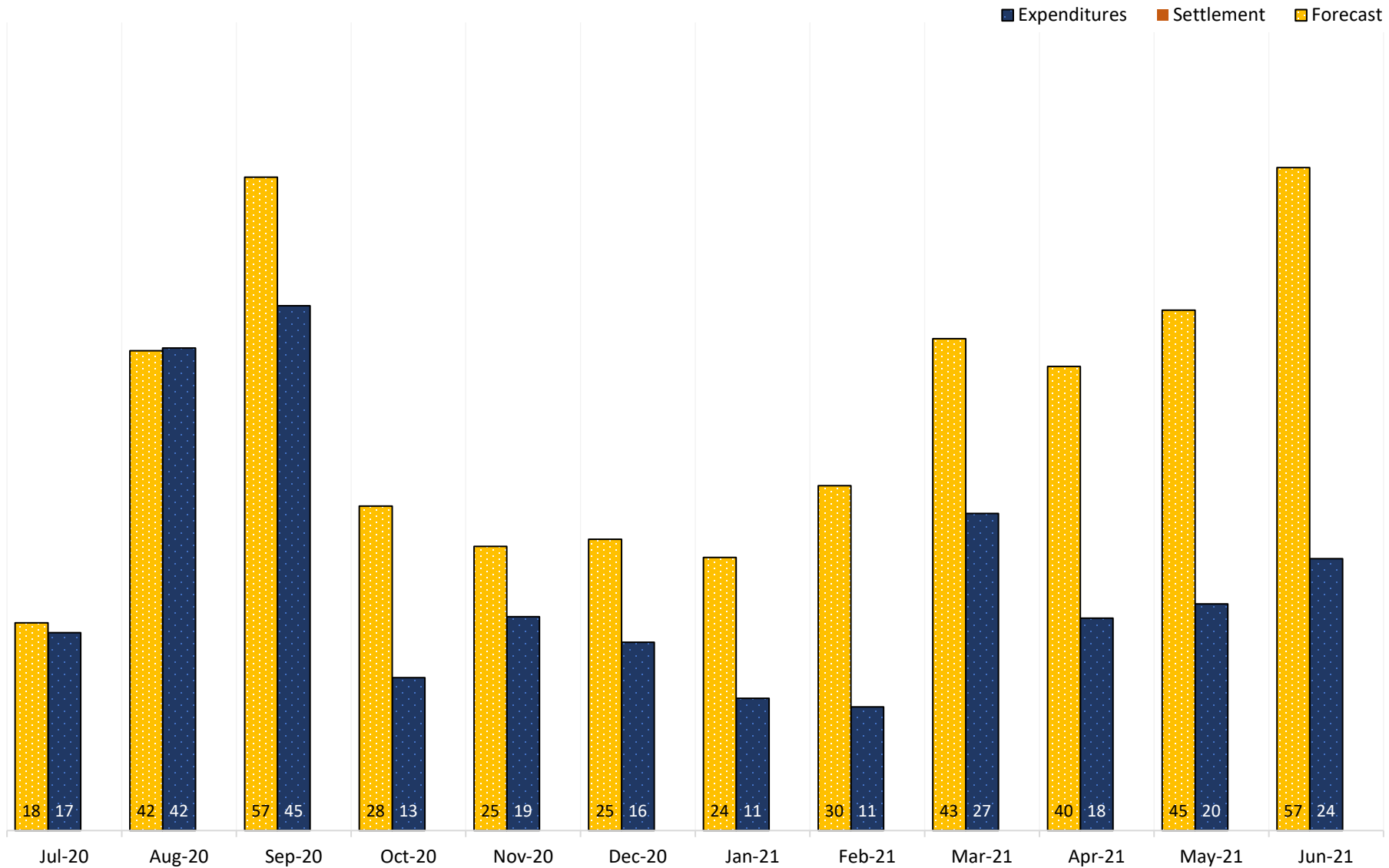
Description	Percentage
Time:	128.9%
Dollars:	131.0%

### Notes:

- Information in this section is coming from data provided by the Project and Construction Management (PCM) – Monthly Status Report.
- The dollar values above remain at Revised Baseline Schedules (RBS) Revision 1 data.
- Revised Baseline Schedules (RBS) Revision 2 Current Forecast Substantial Completion Date (Pending executed change order) – December 29, 2023.

# CP 1 – Design-Build Planned vs. Actual Expenditures – Near Term

## CP 1 – Fiscal Year Expenditures (\$ Millions)



**Notes:**

1. The chart above remains at Revised Baseline Schedules (RBS) Revision 1 data.
2. Expenditures in the chart above are specific to the Design-Builder production and based on the Capital Outlay and Expenditure Report.

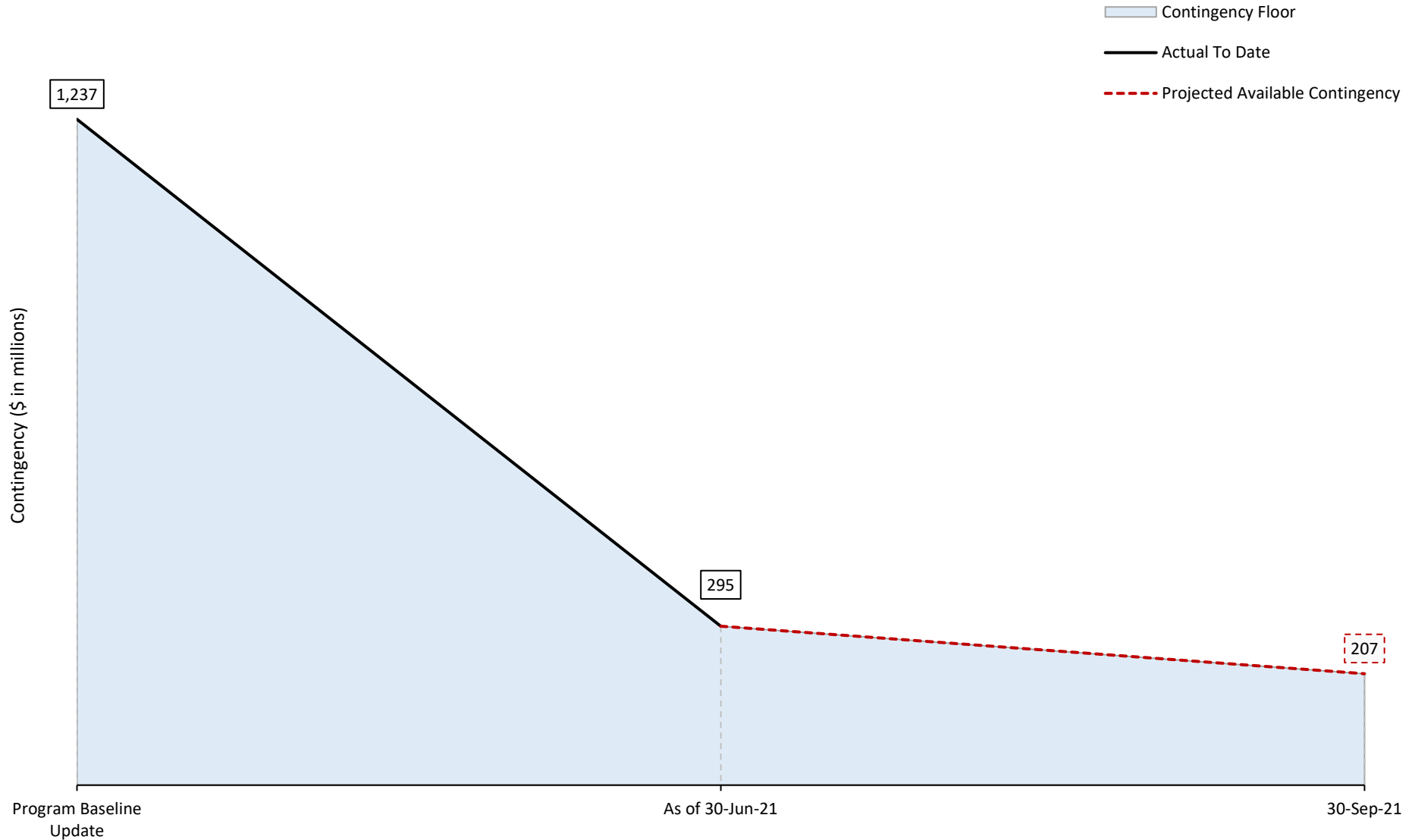
## CP 1 – Executed Change Order Status

### CP 1 – Executed Change Order Status

CO Number	Title	Change Status	Amount	Executed Date
00386	ATT Task 4, Phase II MH-769 COF Water Service Relocation - Construction	Executed	\$36,061.19	25-Jun-21
<b>Total:</b>			<b>\$36,061.19</b>	

# CP 1 – Risk - Contingency Report

## CP 1 – Risk - Contingency Report



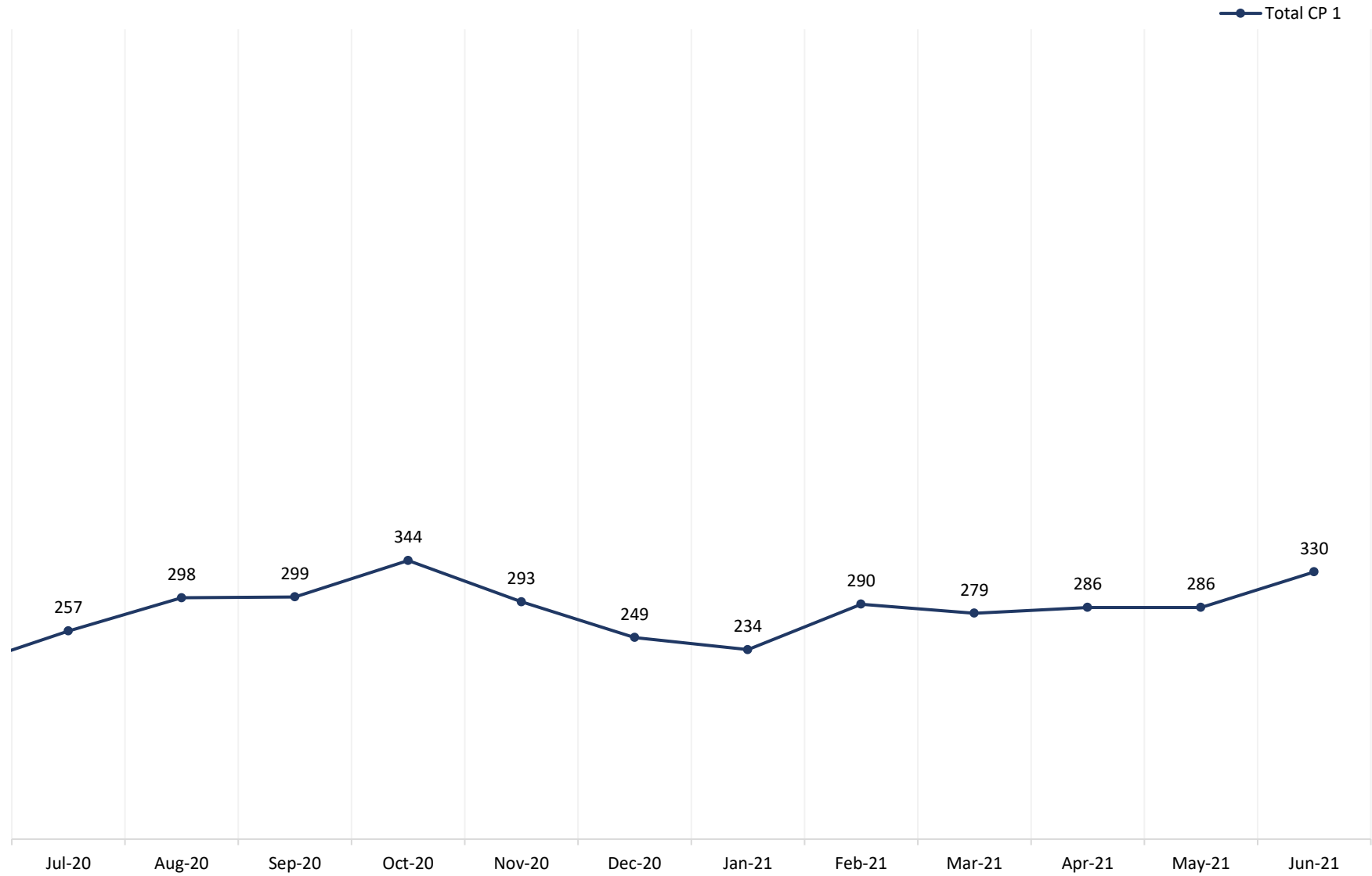
**Notes:**

1. The chart above remains at Revised Baseline Schedules (RBS) Revision 1 data.
2. 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 (30-Sep-21).
3. 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).
4. Forecasted drawdown is based on the Design-Builder (DB) contingency only. No forecasts have been provided for PCM, ROW, Provisional Sum, or Third-Party Allocated Contingency.
5. Contingency Report Charts have been updated based on updated change order forecasts.



# CP 1 – Monthly Construction Workforce Total

## CP 1 – Monthly Construction Workforce Total – Actual

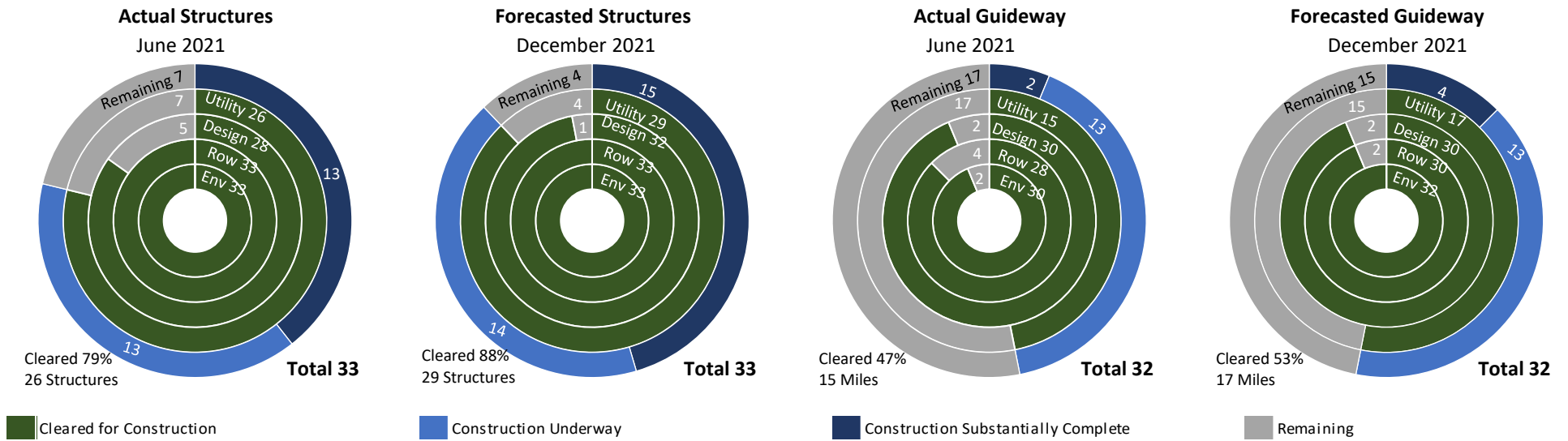


**Notes:**

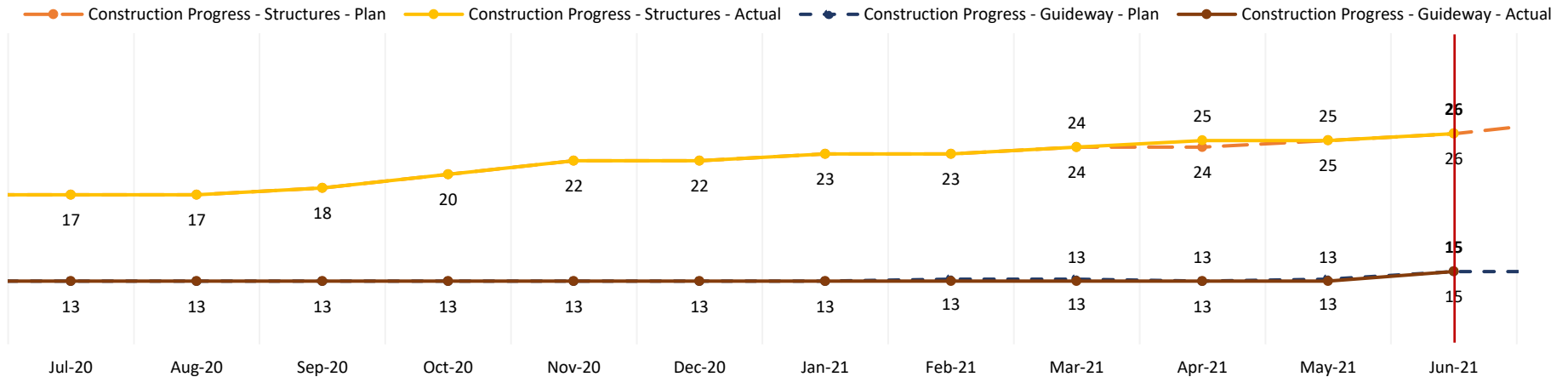
- 1. The construction labor numbers (full-time employees) are based on the working calendar month.
- 2. The data represents the overall total on a per working calendar month average status.

# CP 1 – Construction Progress

## CP 1 – Construction Progress



## CP 1 – Construction Progress to Completion – Planned vs. Actual



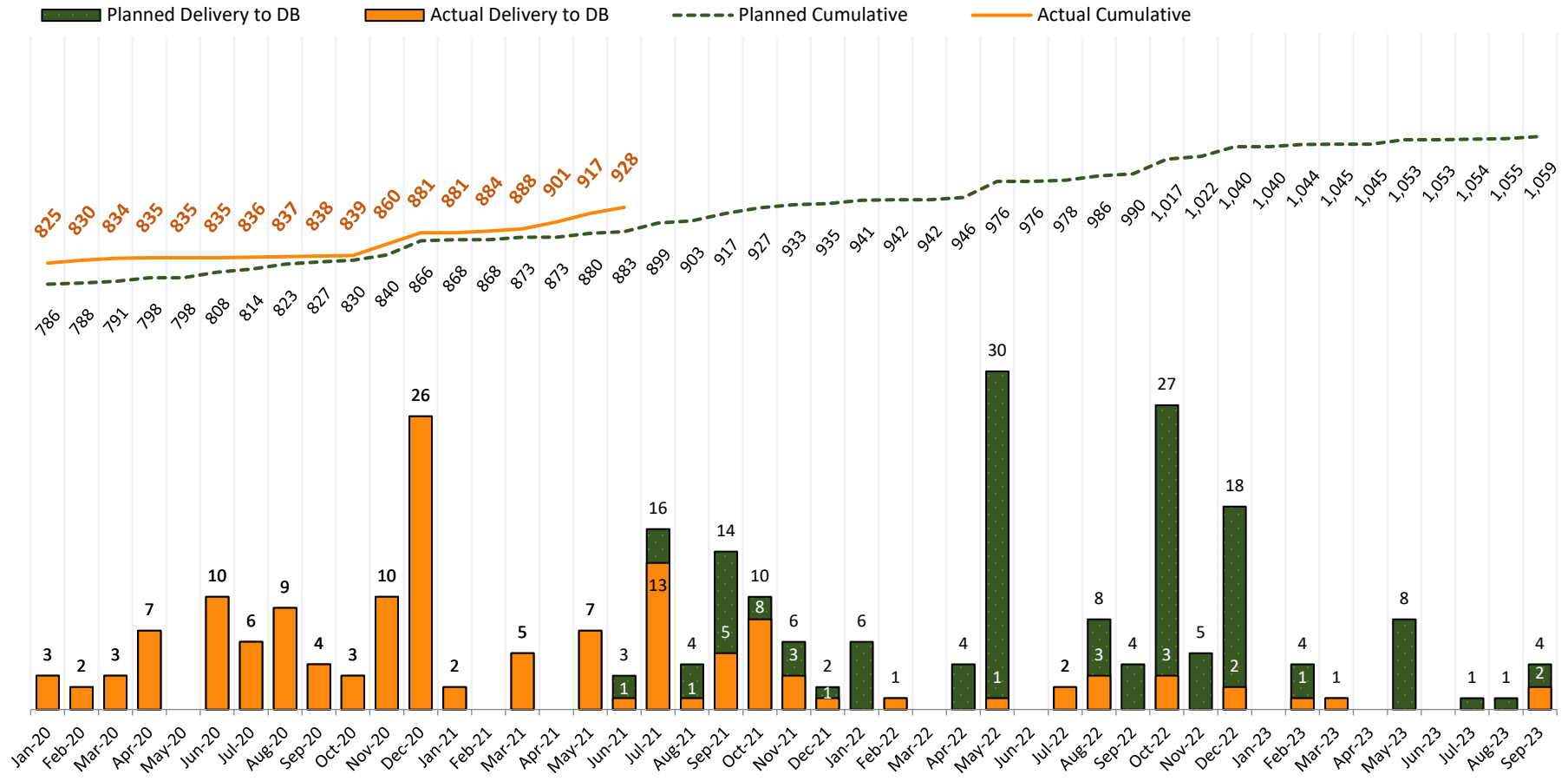
**Notes:**

- The chart above incorporates Revised Baseline Schedules (RBS) Revision 2 data.
- Total Structures: 33 structures:
  - 26 structures underway/substantially complete. On target.
- Total Guideway: 32 miles:
  - 15 miles underway/substantially complete. On target.

# CP 1 – Right-of-Way (ROW) Summary

Construction Package	Total Needed Parcels June 30, 2021	Total Parcels Delivered to Date June 30, 2021	Remaining Parcels to be Delivered June 30, 2021
CP 1	1,059	928	131

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

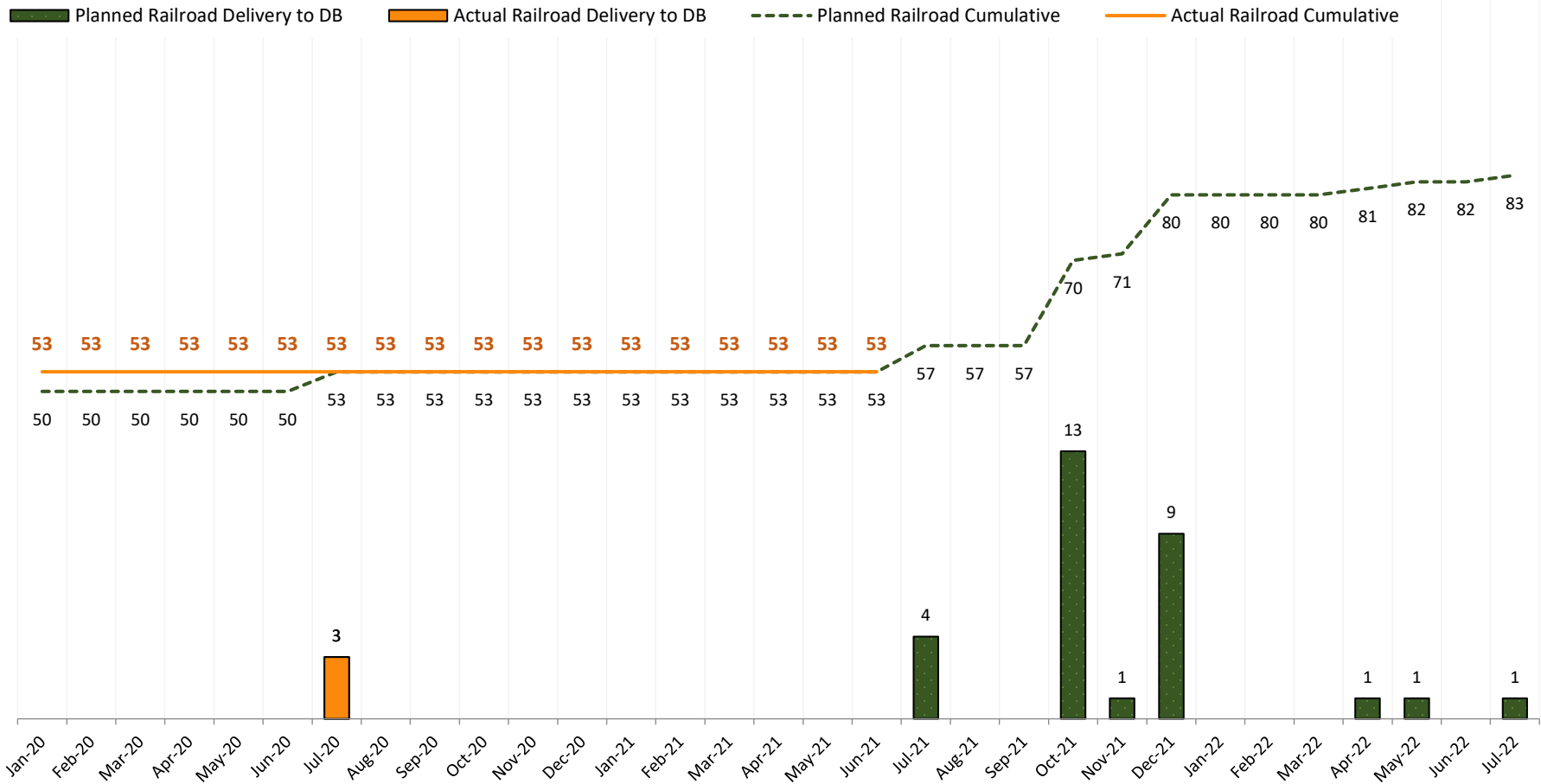


- Notes:**
1. This reflects the current Revised Baseline Schedules (RBS) Revision 2 for CP 1.
  2. Actual cumulative line for June 2021 reflects delivered parcels that are forecasted in future months.

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

Construction Package	Total Needed Railroad Parcels June 30, 2021	Total Railroad Parcels Delivered to Date June 30, 2021	Remaining Railroad Parcels to be Delivered June 30, 2021
CP 1	83	53	30

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



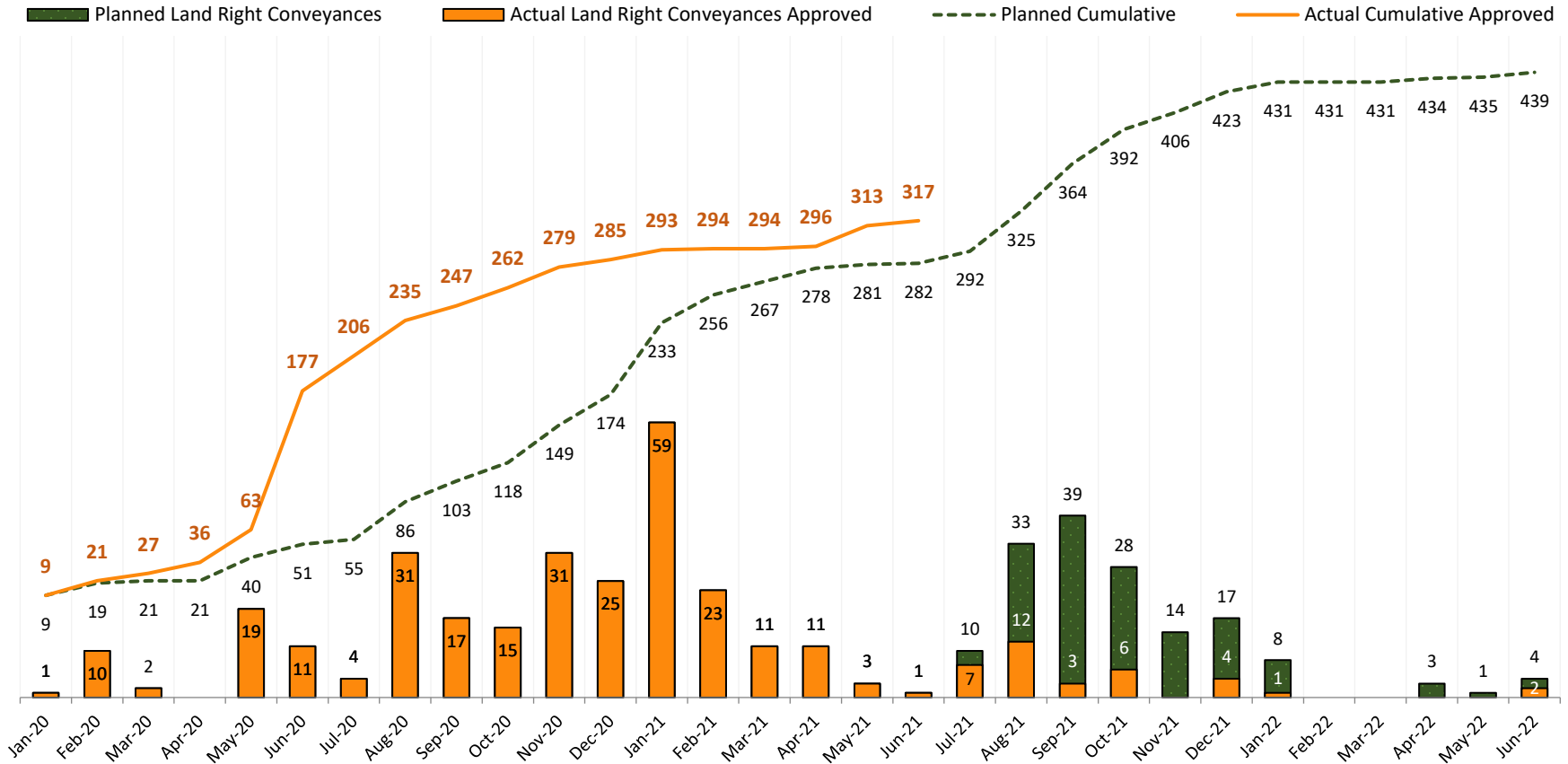
**Notes:**

1. This reflects the current Revised Baseline Schedules (RBS) Revision 2 for CP 1.
2. Planned Railroad Delivery to Design-Builder (DB) adjusted by one in Jun-21 due to data reconciliation.

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

Construction Package	Total Needed Land Right Conveyances June 30, 2021	Total Land Right Conveyances Approved <sup>(3)</sup> to Date June 30, 2021	Remaining Land Right Conveyances to be Approved June 30, 2021
CP 1	439	317	122

### 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 CP1.
2. Actual Cumulative for June 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 Tier 1 Land Right Conveyances added.

## CONSTRUCTION PACKAGE 2-3 (CP 2-3) OVERVIEW<sup>(1)</sup>

### CP 2-3 – Design-Build Contract Summary<sup>(2)</sup>

#### Milestones

Milestone	Date
RFQ Date:	10/09/2013
SOQ Date:	12/13/2013
RFP Date:	04/03/2014
Proposal:	10/30/2014
Bid Open Date:	12/11/2014
Award Date:	06/10/2015
LNTP Date:	06/12/2015
NTP Date:	07/25/2015
Original Completion Date:	08/19/2019
Current Contract Completion Date:	04/18/2022
<b>Current Forecast Substantial Completion Date<sup>(3)</sup>:</b>	<b>12/31/2023</b>

#### 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:	\$777,236,483.42
Current Contract Amount:	\$2,142,572,373.42
Approved Invoices to Date:	\$1,392,085,264.41
<b>Remaining Contract Balance:</b>	<b>\$750,487,109.01</b>

#### 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 06/30/2021):	2,167

#### Expended to Date Percentage<sup>2,3</sup>

Description	Percentage
Time:	70.3%
Dollars:	65.0%

#### Growth Percentage

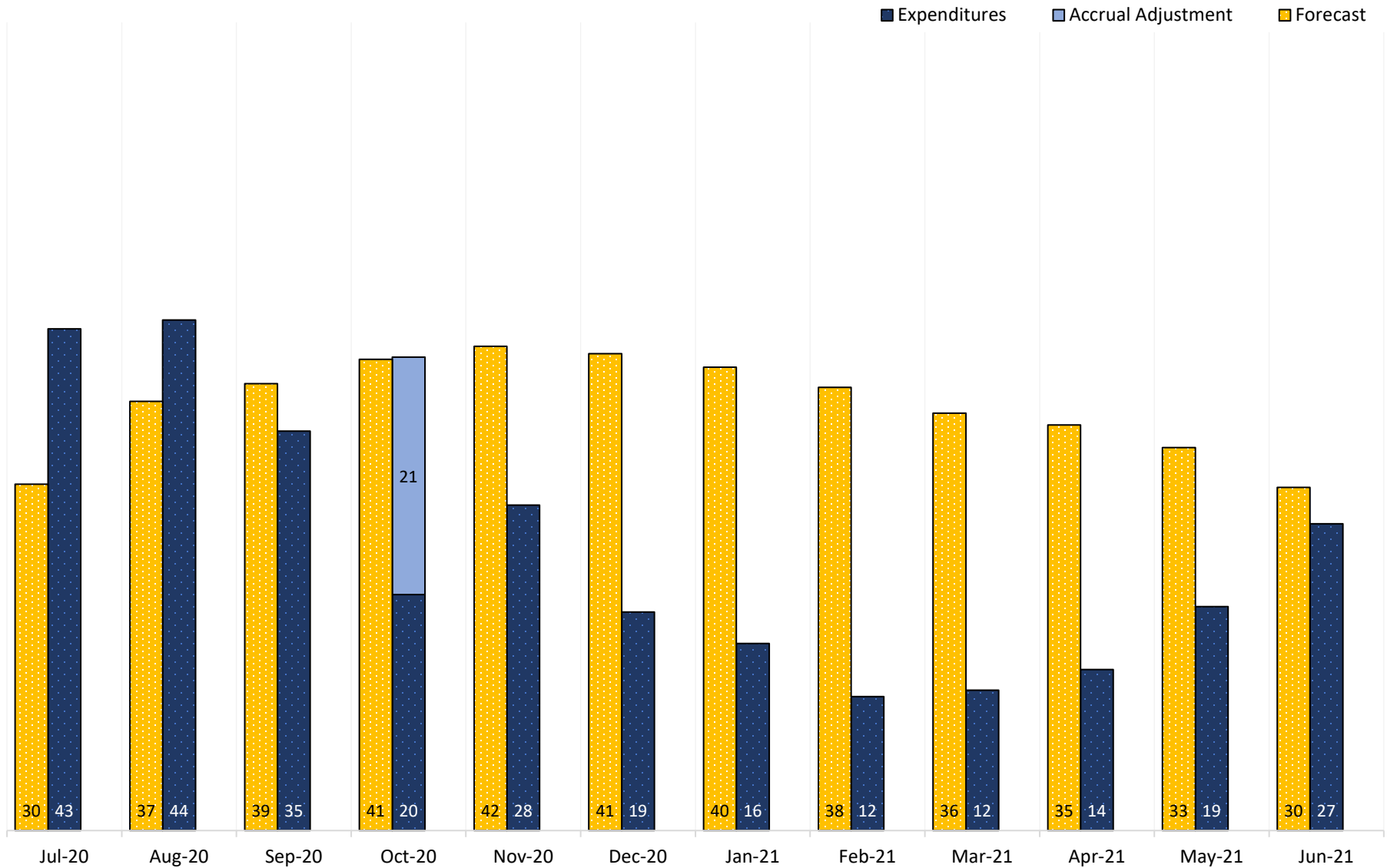
Description	Percentage
Time:	107.3%
Dollars:	56.9%

#### Notes:

- Information in this section is coming from data provided by the Project and Construction Management (PCM) – Monthly Status Report.
- The dollar values above remain at Revised Baseline Schedules (RBS) Revision 1 data.
- Revised Baseline Schedules (RBS) Revision 2 Current Forecast Substantial Completion Date (Pending executed change order) – December 31, 2023.

## CP 2-3 – Design-Build Planned vs. Actual Expenditures – Near Term

### CP 2-3 – Fiscal Year Expenditures (\$ Millions)



- Notes:**
1. The chart above remains at Revised Baseline Schedules (RBS) Revision 1 data.
  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. Right-of-Way (ROW) resolution at Tule River opens the entire Tule River Viaduct area for construction, which facilitates an increase in production.
  4. Multiple structure and guideway locations were not able to start as planned per the Revised Baseline Schedules (RBS) Revision 1 due to prolonged Right-of-Way (ROW) acquisitions.

## CP 2-3 – Executed Change Order Status

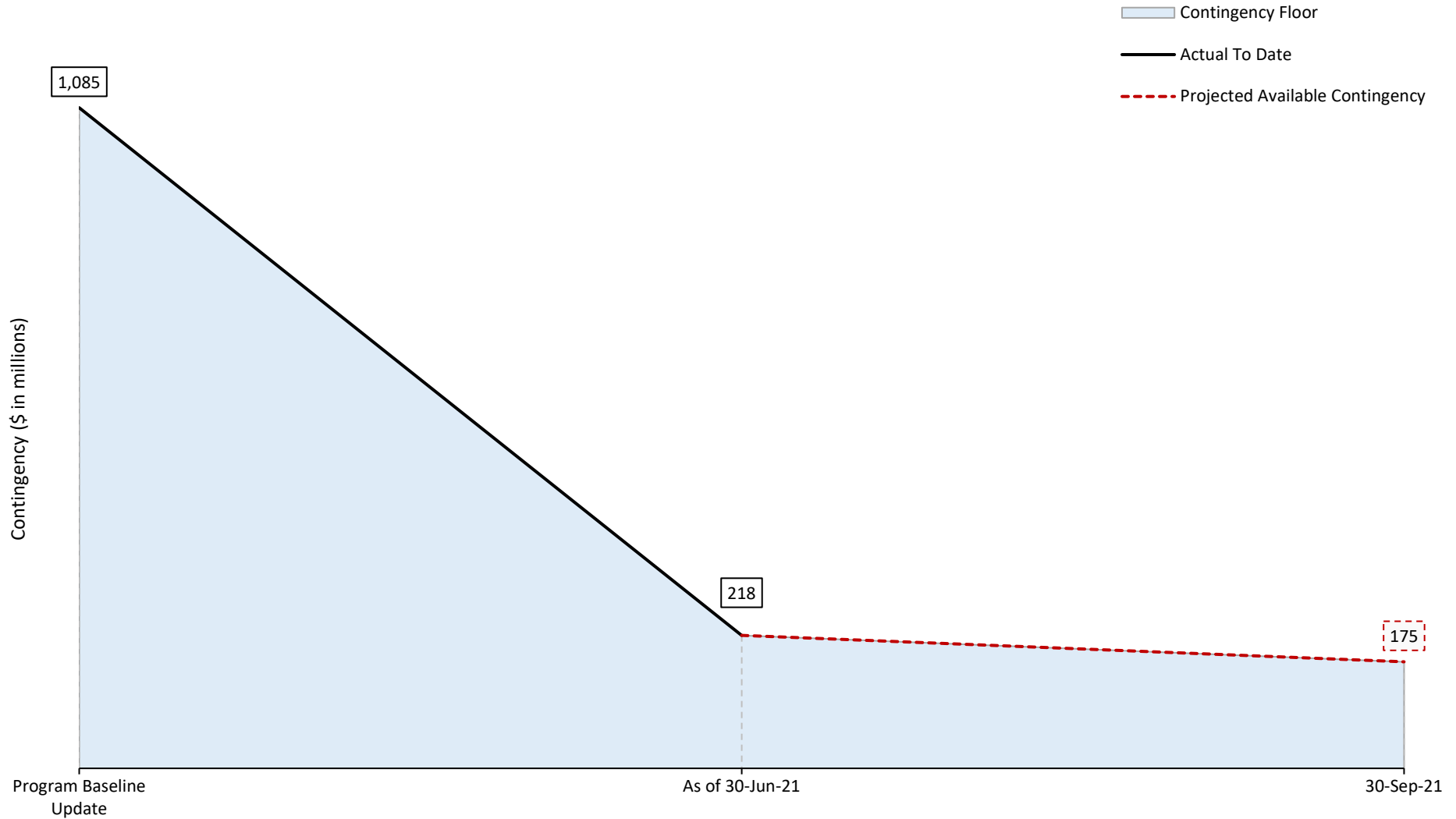
### CP 2-3 – Executed Change Order Status

CO Number	Title	Change Status	Amount	Executed Date
00045.20	Escalation Costs - April 2021	Executed	\$342,772	29-Jun-21
00252	Telecommunications - Video Surveillance Services or Equipment	Executed	\$35,404	29-Jun-21
00256	Costs related to DTSC – Approved Soil Sampling Workplan not covered by CO 115	Executed	\$60,742	29-Jun-21
00257 R1	Sempra - Avenue 24 CWA	Executed	\$1,984,054	29-Jun-21
00155.1	Additional Bond Costs	Executed	\$11,106,009	21-Jun-21
00240	Crotch Bumble Bee Survey	Executed	\$26,113	11-Jun-21
00168.2	Extended Environmental Scope Services	Executed	\$2,992,956	04-Jun-21
00249	Soft Soils - Segment 3	Executed	\$212,313	01-Jun-21
<b>Total:</b>			<b>\$16,760,363</b>	



# CP 2-3 – Risk - Contingency Report

## CP 2-3 – Risk - Contingency Report

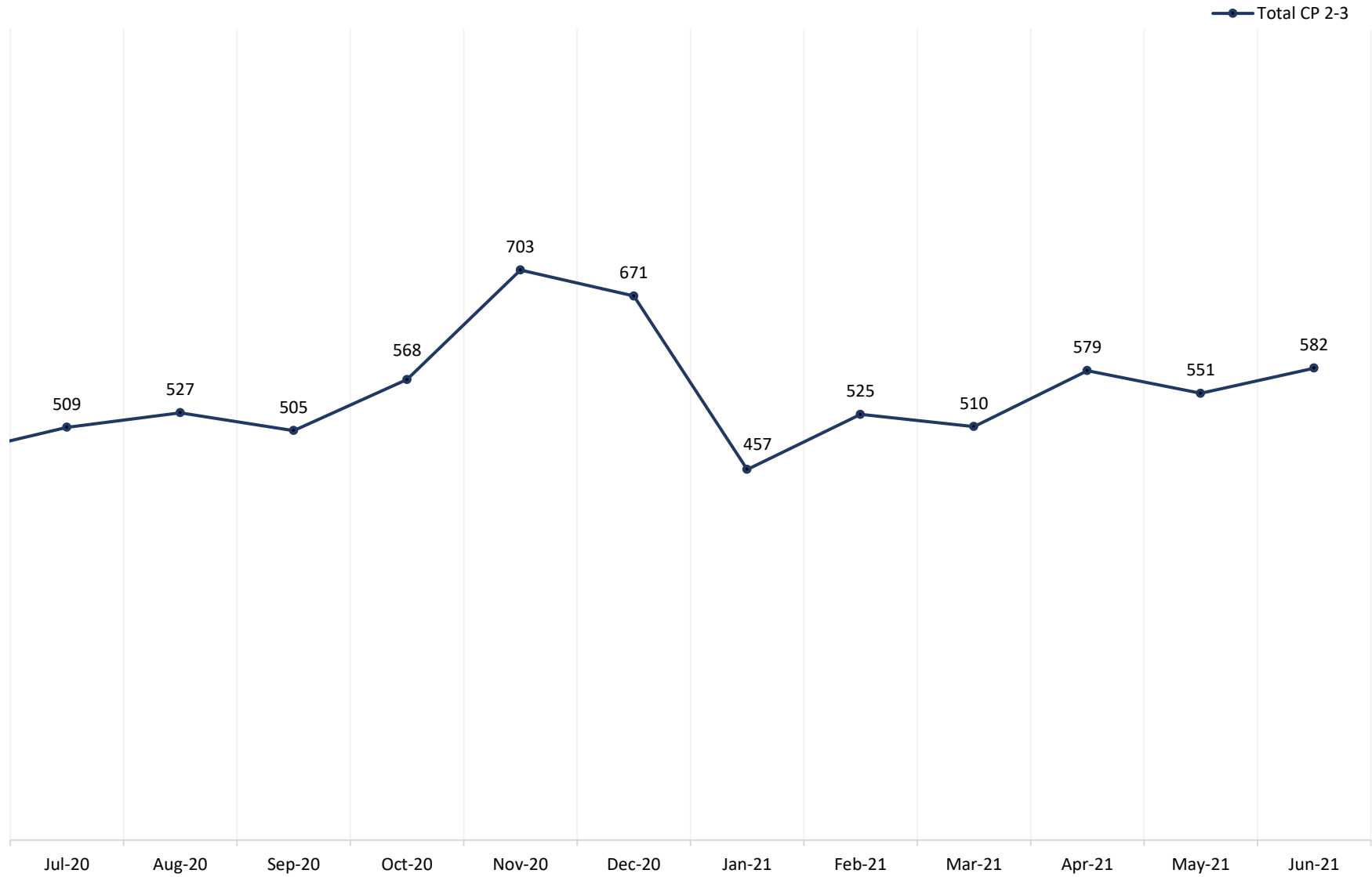


**Notes:**

1. The chart above remains at Revised Baseline Schedules (RBS) Revision 1 data.
2. 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 (30-Sep-21).
3. 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).
4. Forecasted drawdown is based on the DB contingency only. No forecasts have been provided for PCM, ROW, Provisional Sum, or Third-Party Allocated Contingency.
5. Contingency Report Charts have been updated based on updated change order forecasts.

## CP 2-3 – Monthly Construction Workforce Total

### CP 2-3 – Monthly Construction Workforce Total – Actual

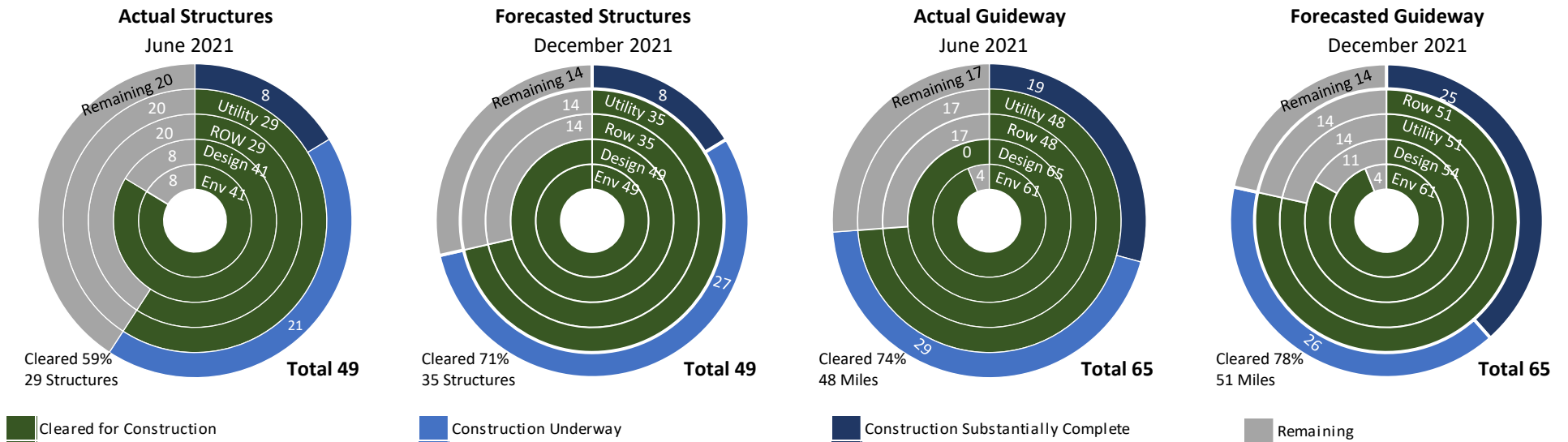


**Notes:**

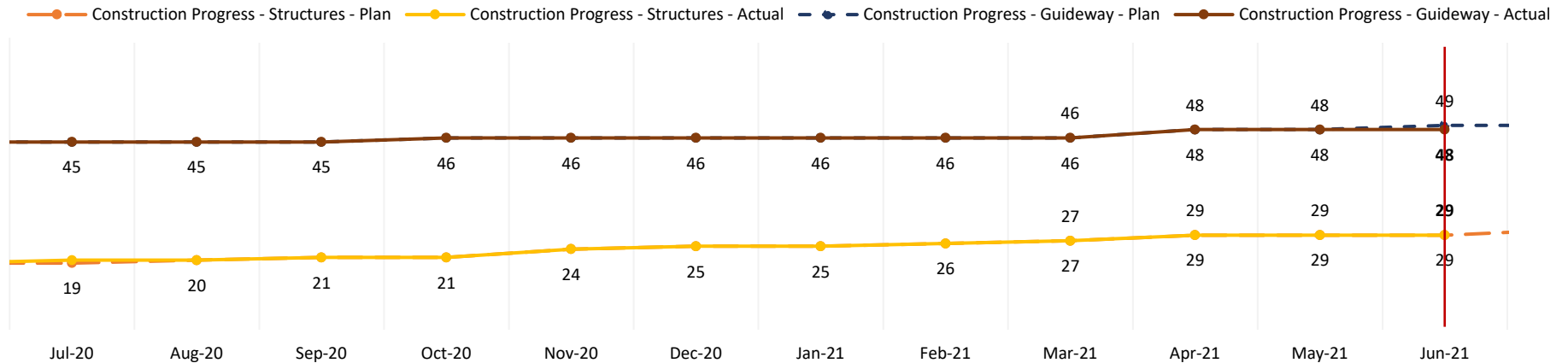
1. The construction labor numbers (full-time employees) are based on the working calendar month.
2. The data represents the overall total on a per working calendar month average status.

# CP 2-3 – Construction Progress

## CP 2-3 – Construction Progress



## CP 2-3 – Construction Progress to Completion – Planned vs. Actual



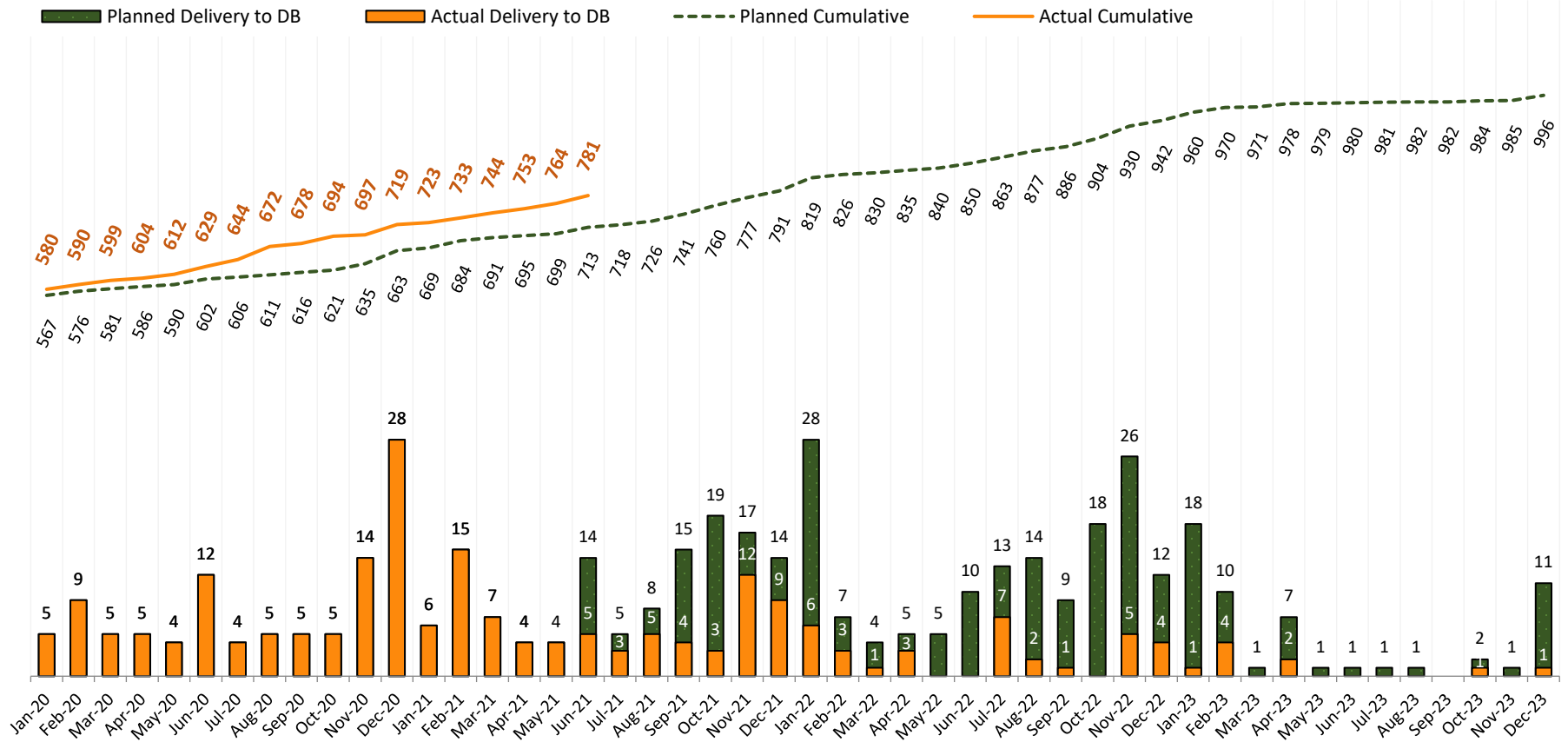
**Notes:**

- The chart above incorporates Revised Baseline Schedules (RBS) Revision 2 data.
- Total Structures: 49 each:
  - 29 structures underway/substantially complete. On target.
- Total Guideway: 65 miles:
  - 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 – Right-of-Way (ROW) Summary

Construction Package	Total Needed Parcels June 30, 2021	Total Parcels Delivered to Date June 30, 2021 <sup>3</sup>	Remaining Parcels to be Delivered June 30, 2021
CP 2-3	996	781	215

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



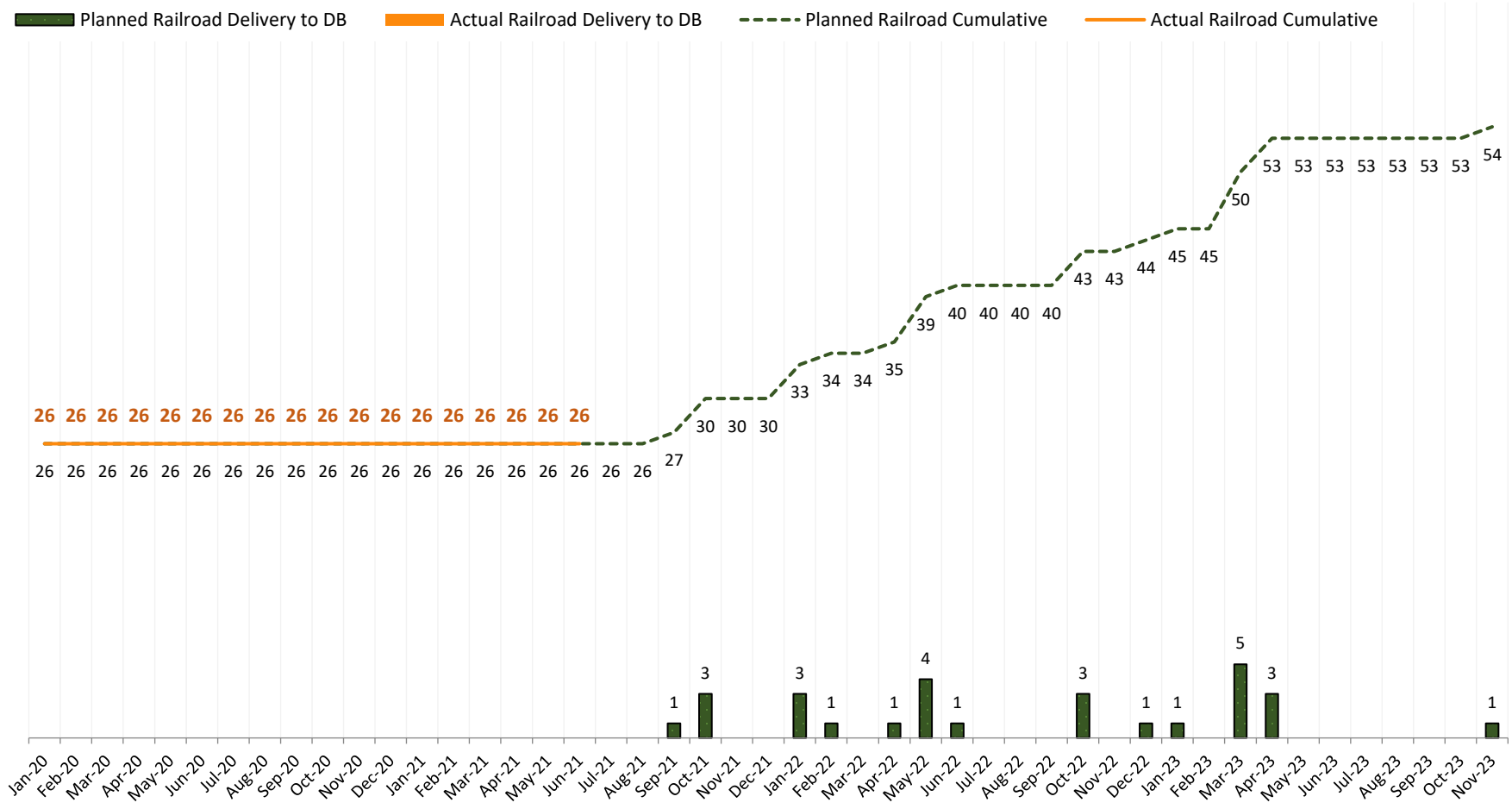
**Notes:**

1. This reflects the current Revised Baseline Schedules (RBS) Revision 2 for CP 2-3.
2. Actual cumulative line for June 2021 reflects delivered parcels that are forecasted in future months.
3. Delivered to Design-Builder (DB) adjusted by one parcel in Jun-20 due to reporting reconciliation.

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

Construction Package	Total Needed Railroad Parcels June 30, 2021	Total Railroad Parcels Delivered to Date June 30, 2021	Remaining Railroad Parcels to be Delivered June 30, 2021
CP 2-3	54	26	28

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



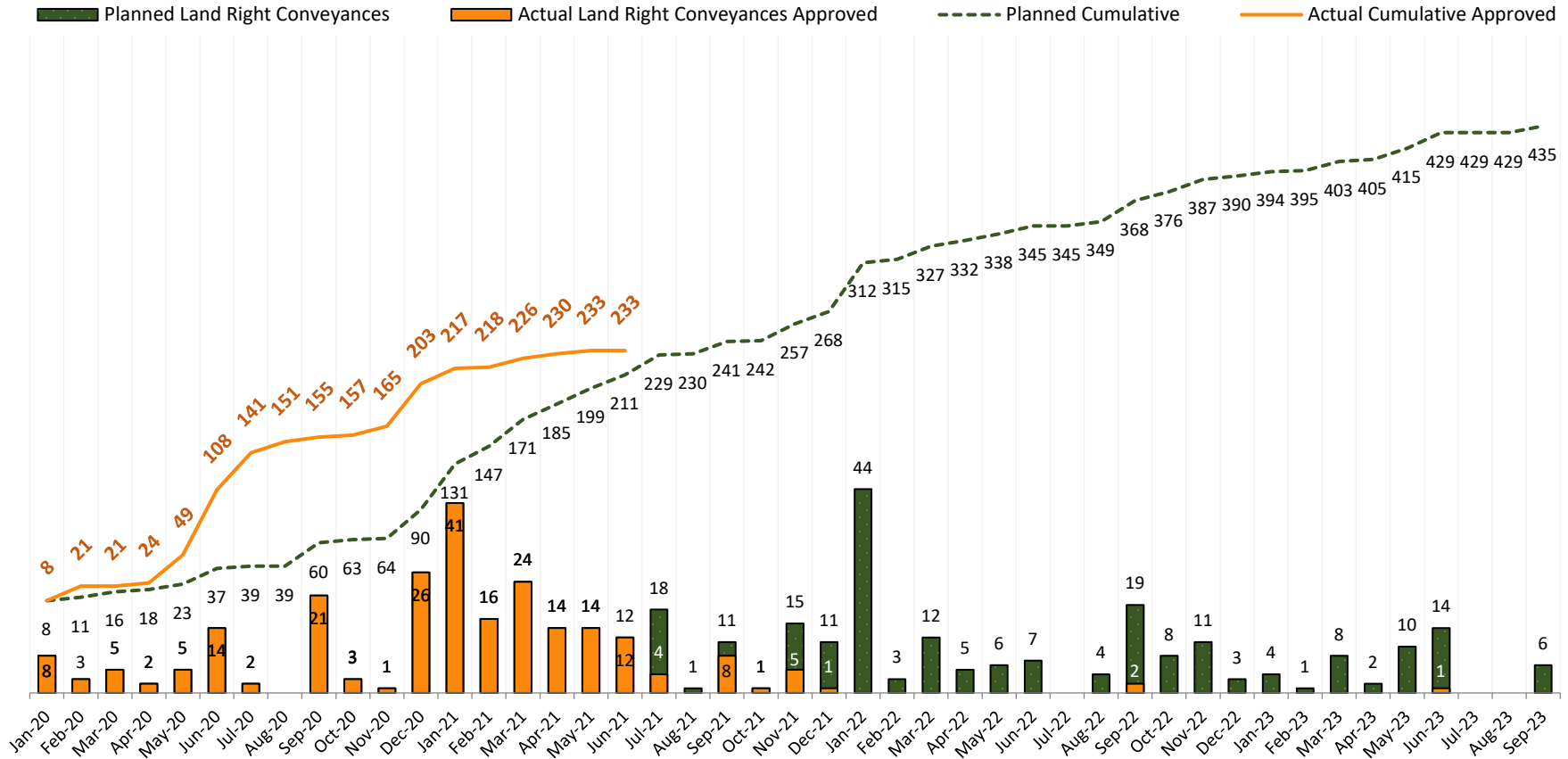
**Notes:**

1. This reflects the current 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) Summary

Construction Package	Total Needed Land Right Conveyances June 30, 2021	Total Land Right Conveyances Approved <sup>(3)</sup> to Date June 30, 2021	Remaining Land Right Conveyances to be Approved June 30, 2021
CP 2-3	435	233	202

### 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 June 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. One land right conveyance no longer needed prior to construction.

# CONSTRUCTION PACKAGE 4 (CP 4) OVERVIEW<sup>(1)</sup>

## CP 4 – Design-Build Contract Summary<sup>(2)</sup>

### Milestones

Milestone	Date
RFQ Date:	11/20/2014
SOQ Date:	01/30/2015
RFP Date:	05/27/2015
Proposal:	11/25/2015
Bid Open Date:	01/05/2016
Award Date:	02/29/2016
LNTP Date:	03/01/2016
NTP Date:	04/15/2016
Original Completion Date:	06/03/2019
Current Contract Completion Date:	02/17/2022
<b>Current Forecast Substantial Completion Date<sup>(3)</sup>:</b>	<b>06/22/2022</b>

### 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:	\$195,831,861.16
Current Contract Amount:	\$640,078,861.16
Approved Invoices to Date:	\$453,071,146.89
<b>Remaining Contract Balance:</b>	<b>\$187,007,714.27</b>

### 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 06/30/2021):	1,902

### Expended to Date<sup>2,3</sup>

Description	Percentage
Time:	84.2%
Dollars:	70.8%

### Growth Percentage

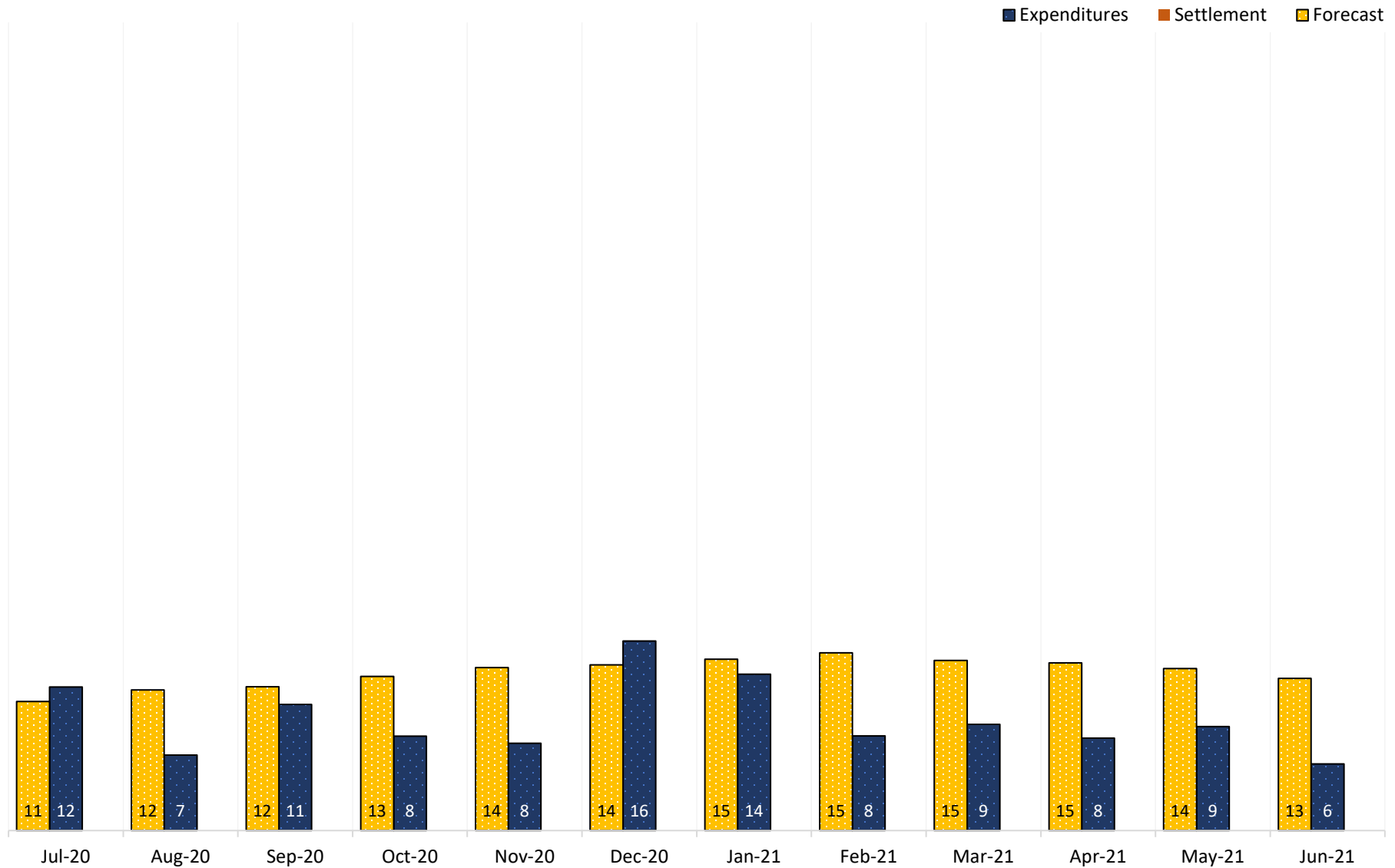
Description	Percentage
Time:	97.5%
Dollars:	44.1%

### Notes:

- Information in this section is coming from data provided by the Project and Construction Management (PCM) – Monthly Status Report.
- The dollar values above remain at Revised Baseline Schedules (RBS) Revision 1 data.
- Revised Baseline Schedules (RBS) Revision 2 Current Forecast Substantial Completion Date (Pending executed change order) – June 22, 2022.

## CP 4 – Design-Build Planned vs. Actual Expenditures – Near Term

### CP 4 – Fiscal Year Expenditures (\$ Millions)



**Notes:**

1. The chart above remains at Revised Baseline Schedules (RBS) Revision 1 data.
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.



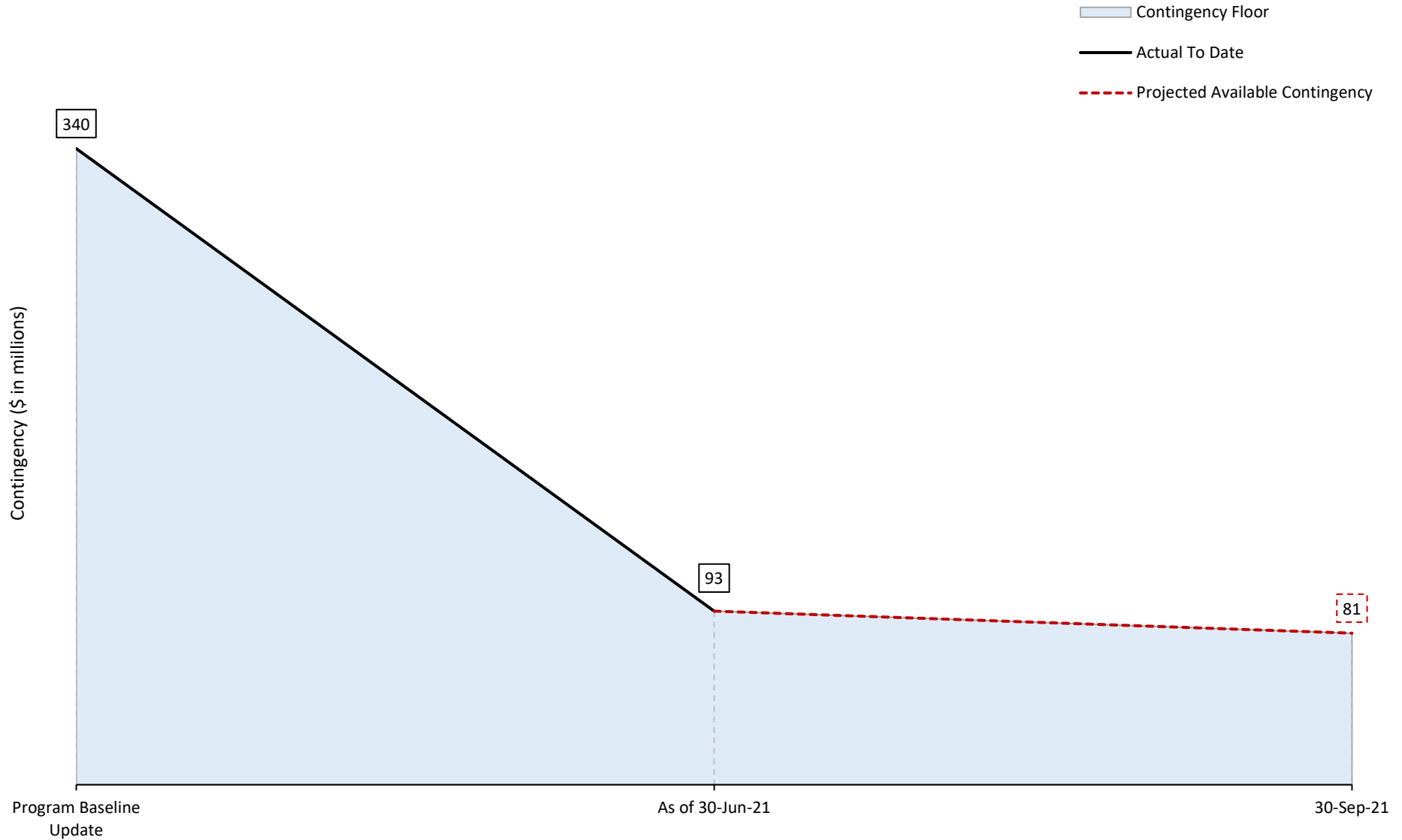
## CP 4 – Executed Change Order Status

### CP 4 – Executed Change Order Status

CO Number	Title	Change Status	Amount	Executed Date
97	Sempra Additional Costs to CO-00056 - SR-46 Roundabout	Executed	\$266,281.40	23-Jun-21
98	Kern County Reimbursement to Vacate Roads	Executed	\$42,800.00	23-Jun-21
101	Additional Insurance Premium	Executed	\$519,674.81	30-Jun-21
<b>Total:</b>			<b>\$828,756.21</b>	

# CP 4 – Risk - Contingency Report

## CP 4 – Risk - Contingency Report

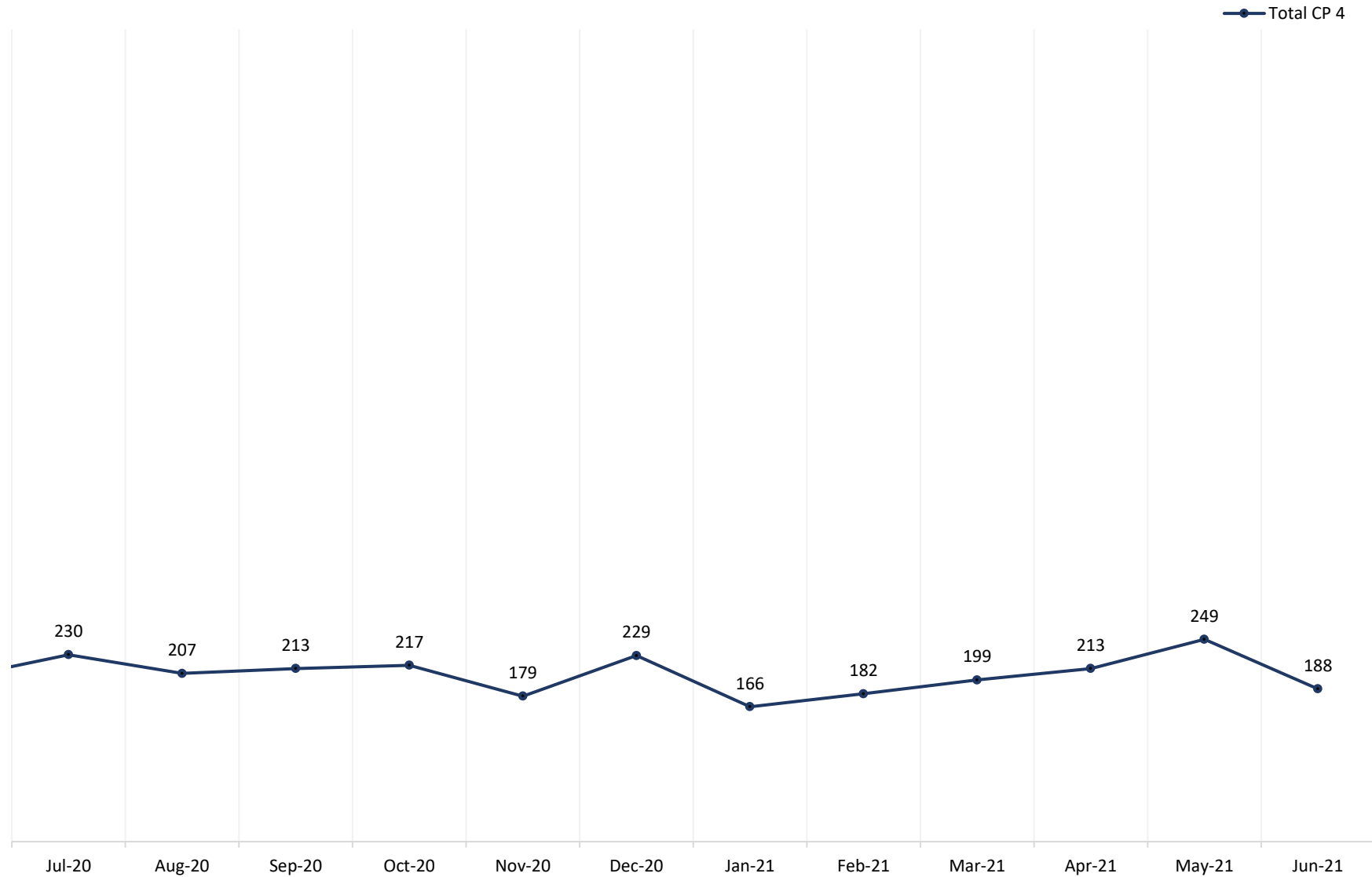


**Notes:**

1. The chart above remains at Revised Baseline Schedules (RBS) Revision 1 data.
2. 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 (30-Sep-21).
3. 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).
4. Forecasted drawdown is based on the Design-Builder (DB) contingency only. No forecasts have been provided for PCM, ROW, Provisional Sum, or Third-Party Allocated Contingency.
5. Contingency Report Charts have been updated based on updated change order forecasts.

## CP 4 – Monthly Construction Workforce Total

### CP 4 – Monthly Construction Workforce Total – Actual

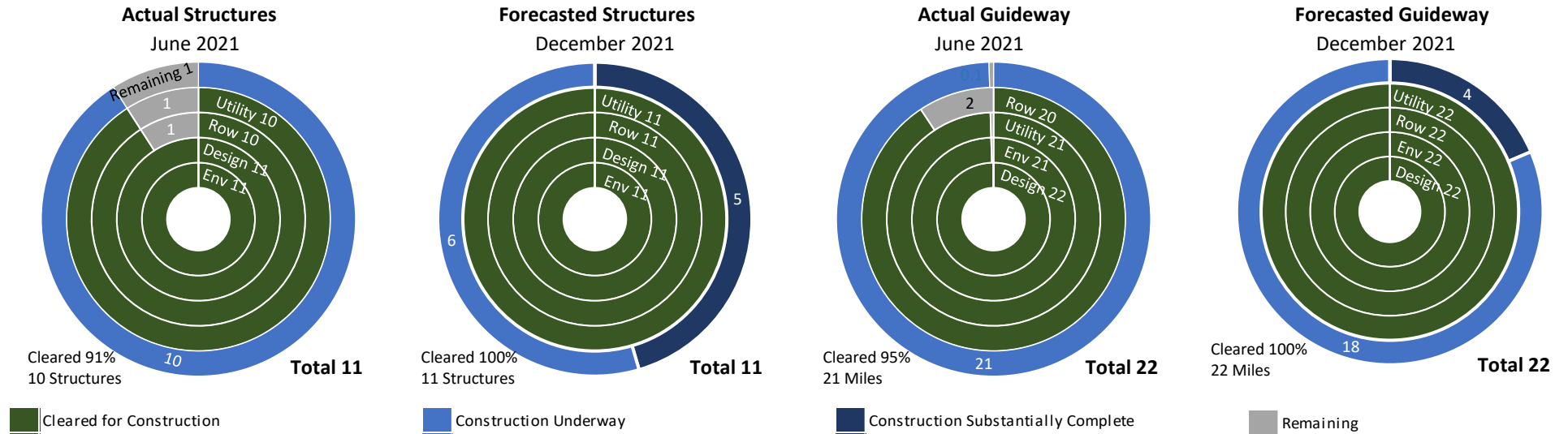


**Notes:**

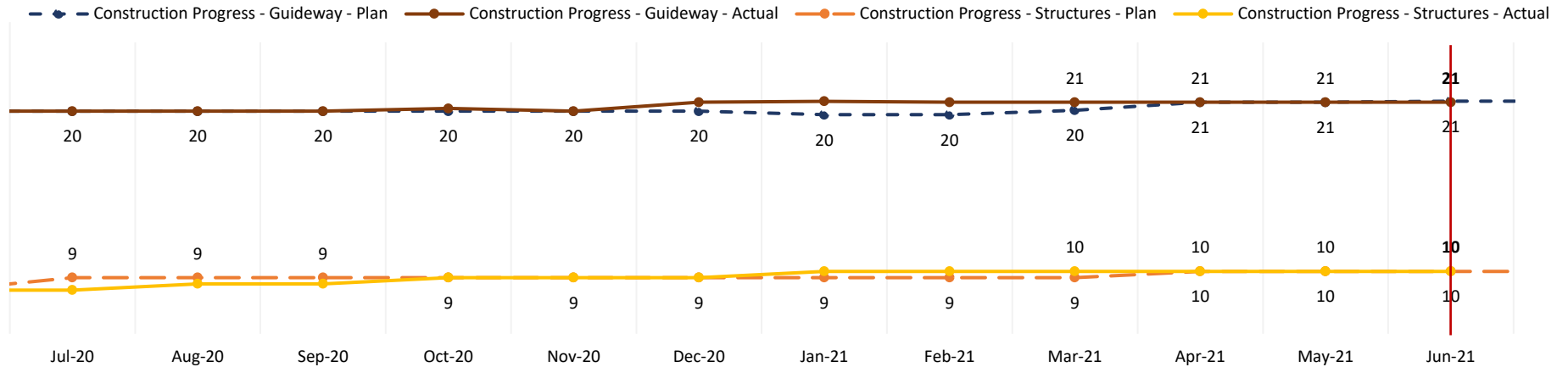
1. The construction labor numbers (full-time employees) are based on the working calendar month.
2. The data represents the overall total on a per working calendar month average status.
3. A decrease of 61 daily workers from the previous month (249) due in part to decrease in truck hauling as available locations to work are reduced.

# CP 4 – Construction Progress

## CP 4 – Construction Progress



## CP 4 – Construction Progress to Completion – Planned vs. Actual



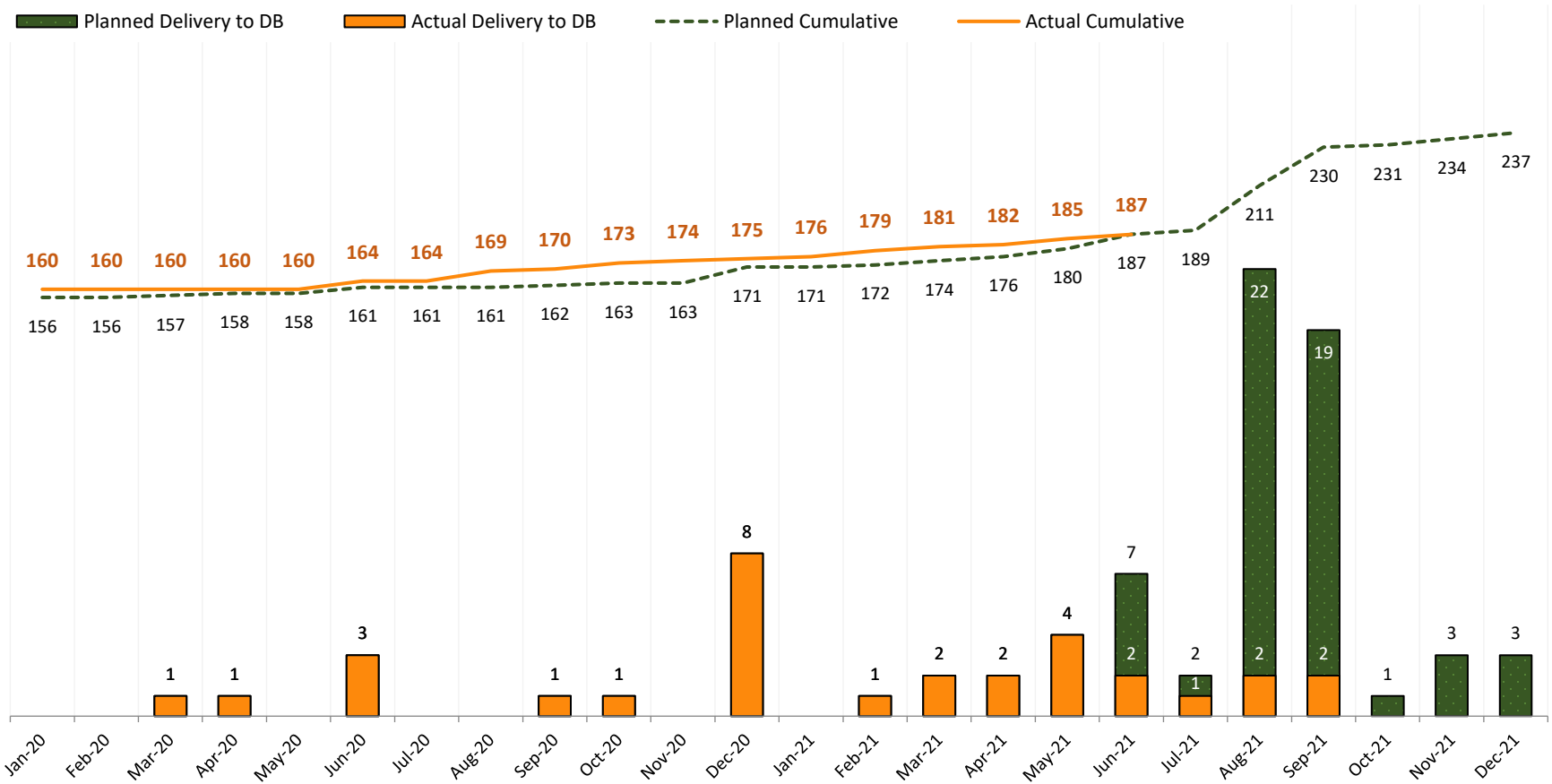
**Notes:**

- The chart above incorporates Revised Baseline Schedules (RBS) Revision 2 data.
- Total Structures: 11 structures:
  - 10 structures underway/substantially complete. On target.
- Total Guideway: 21 miles. The actual miles for CP 4 are 21.5 miles but rounded to 22 miles for consistency in reporting:
  - 21 miles underway/substantially complete. On target.

## CP 4 – Right-of-Way (ROW) Summary

Construction Package	Total Needed Parcels June 30, 2021	Total Parcels Delivered to Date June 30, 2021	Remaining Parcels to be Delivered June 30, 2021
CP 4	237	187	50

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



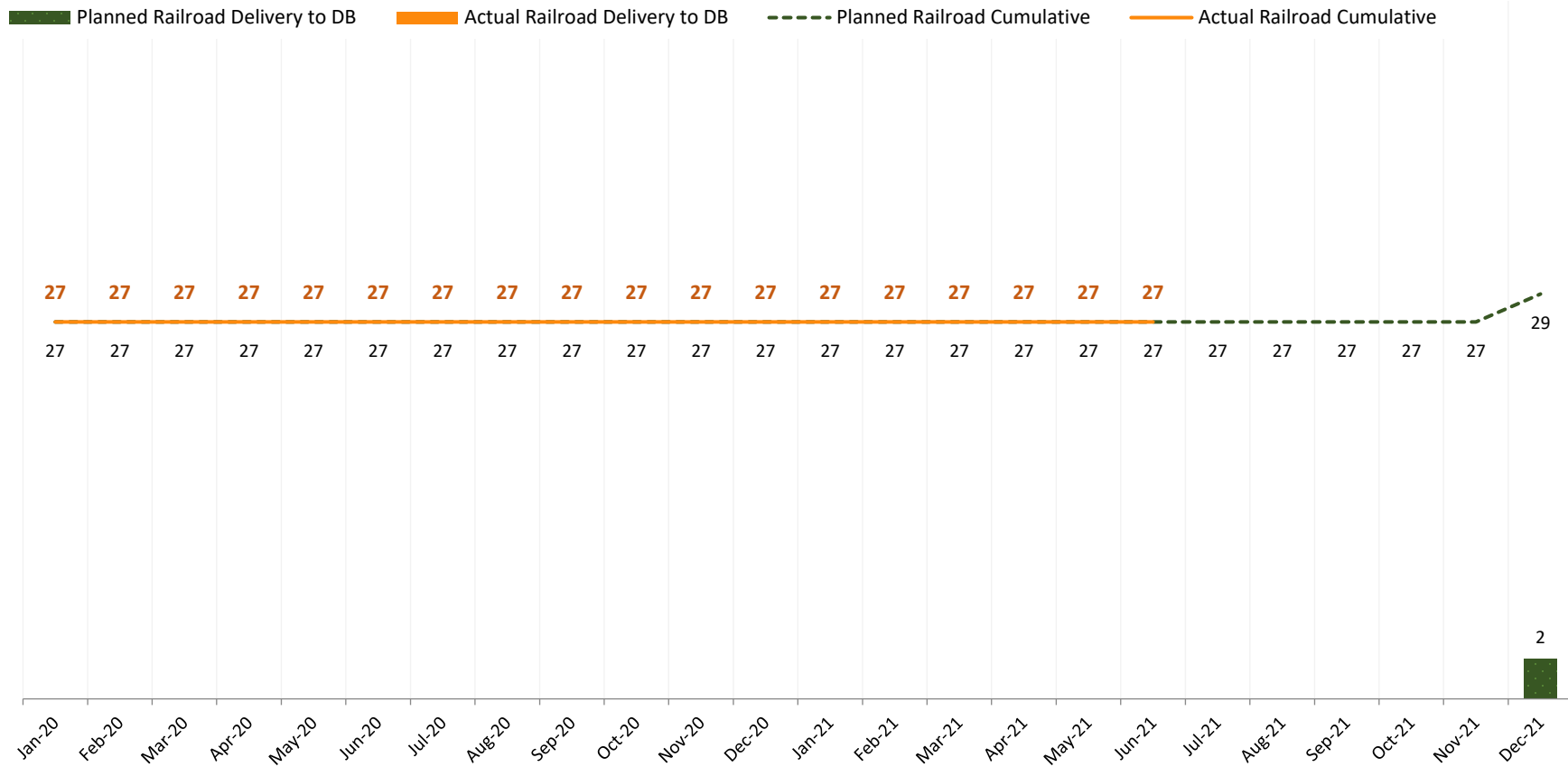
**Notes:**

1. This reflects the current Revised Baseline Schedules (RBS) Revision 2 for CP 4.
2. Actual cumulative line for June 2021 reflects delivered parcels that are forecasted in future months.

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

Construction Package	Total Needed Railroad Parcels June 30, 2021	Total Railroad Parcels Delivered to Date June 30, 2021	Remaining Railroad Parcels to be Delivered June 30, 2021
CP 4	29	27	2

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

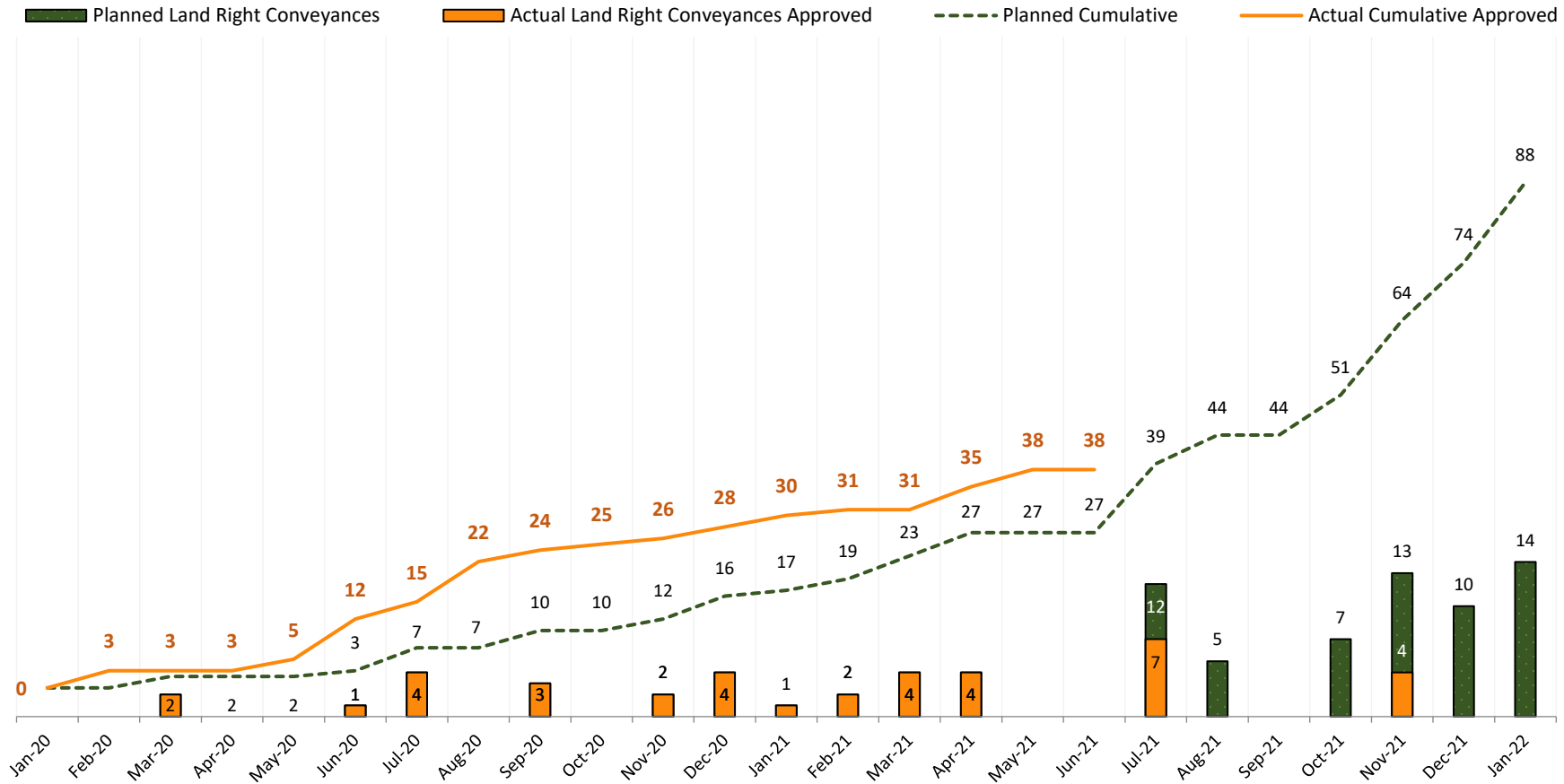


- Notes:**
- This reflects the current Railroad Revised Baseline Schedules (RBS) Revision 2 for CP 4.

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

Construction Package	Total Needed Land Right Conveyances June 30, 2021	Total Land Right Conveyances Approved <sup>(3)</sup> to Date June 30, 2021	Remaining Land Right Conveyances to be Approved June 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 June 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 – 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
<b>Document Complete</b>	Merced to Fresno	Plan Forecast % Complete	Complete 100%	Complete 100%	Complete 100%	Complete 100%	Complete 100%	Complete 100%	Complete 100%	Complete 100%	Complete 100%	Complete 100%	Complete 100%	Complete 100%
<b>Document Complete</b>	Fresno to Bakersfield	Plan Forecast % Complete	Complete 100%	Complete 100%	Complete 100%	Complete 100%	Complete 100%	Complete 100%	Complete 100%	Complete 100%	Complete 100%	Complete 100%	Complete 100%	Complete 100%
<b>Document Complete</b>	CV Electrical Interconnections	Plan Forecast % Complete	Complete 100%	Complete 100%	Complete 100%	Complete 100%	Complete 100%	Complete 100%	Complete 100%	Complete 100%	Complete 100%	Complete 100%	Complete 100%	Complete 100%
<b>Document Complete</b>	Locally Generated Alternative (F-B)	Plan Forecast % Complete	Complete 100%	Complete 100%	Complete 100%	Complete 100%	Complete 100%	Complete 100%	Complete 100%	Complete 100%	Complete 100%	Complete 100%	Complete 100%	Complete 100%
<b>Document Complete</b>	Central Valley Wye (M-F)	Plan Forecast % Complete	Complete 100%	Complete 100%	Complete 100%	Complete 100%	Complete 100%	Complete 100%	Complete 100%	Complete 100%	Complete 100%	Complete 100%	Complete 100%	Complete 100%
<b>1</b>	San Francisco to San Jose	Plan Forecast % Complete	Complete 100%	Complete 100%	Complete 100%	Complete 100%	Complete 100%	Complete 100%	Complete 100%	Complete 100%	Jun-22 Apr-22 53%	Jun-22 Apr-22 58%	Apr-22	Apr-22
<b>2</b>	San Jose to Merced	Plan Forecast % Complete	Complete 100%	Complete 100%	Complete 100%	Complete 100%	Complete 100%	Complete 100%	Complete 100%	Complete 100%	Mar-22 Jan-22 61%	Mar-22 Jan-22 66%	Jan-22	Jan-22
<b>3</b>	Los Angeles to Anaheim	Plan Forecast % Complete	Complete 100%	Complete 100%	Complete 100%	Complete 100%	Complete 100%	Complete 100%	May-22 Feb-22 94%	May-22 Jun-22 95%	Jun-23 Mar-23 0%	Jun-23 Jul-23 <sup>(1)</sup> 0%	Mar-23	Jul-23
<b>4</b>	Burbank to Los Angeles	Plan Forecast % Complete	Complete 100%	Complete 100%	Complete 100%	Complete 100%	Complete 100%	Complete 100%	Complete 100%	Complete 100%	Dec-21 Sep-21 76%	Dec-21 Nov-21 <sup>(2)</sup> 79%	Sep-21	Nov-21
<b>5</b>	Palmdale to Burbank	Plan Forecast % Complete	Complete 100%	Complete 100%	Complete 100%	Complete 100%	Complete 100%	Complete 100%	Sep-21 Sep-21 79%	Sep-21 Sep-21 83%	Dec-22 Oct-22 0%	Dec-22 Oct-22 0%	Oct-22	Oct-22
<b>6</b>	Bakersfield to Palmdale	Plan Forecast % Complete	Complete 100%	Complete 100%	Complete 100%	Complete 100%	Complete 100%	Complete 100%	Complete 100%	Complete 100%	Jun-21 Aug-21 88%	Jun-21 Aug-21 <sup>(3)</sup> 90%	Aug-21	Aug-21
<b>7</b>	HMF	Plan Forecast % Complete	Complete 100%	Complete 100%	Complete 100%	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:

- Four-month delay due to ongoing delays in transportation and air quality work, key decisions made after March 2021, and additional transportation analysis requirements.
- Board meeting for B-LA NOD/ROD approval is being planned for November 2021.
- Two-month delay related to scheduling the two-day Board meeting (from June) to August 2021 (seven weeks).



## Project Development – Key Actions

### Project Development – Key Actions Summary

Project Section	Key Actions
<b>San Francisco to San Jose</b>	<p>Continued sequential reviews by Environmental Services (ES), NEPA Assignment Team (NAT), and Legal of responses to public comments on Draft Environmental Impact Report/Environmental Impact Statement (EIR/EIS). Final responses were submitted for review on June 14. Administrative Final EIR/EIS was delivered for Environmental Services (ES)/ NEPA Assignment Team (NAT)/legal review on June 30.</p> <p>Briefed CEO on Revised Draft Environmental Impact Report/Supplemental Draft Environmental Impact Statement (RDEIR/SDEIS) and obtained approval on June 24. Preparing document for 45-day public circulation on July 23.</p>
<b>San Jose to Merced</b>	<p>The Revised Draft Environmental Impact Report/Supplemental Draft Environmental Impact Statement (RDEIR/SDEIS) 45-day public review period closed on June 9, 2021.</p> <p>Submitted the Administrative Final Environmental Impact Report/Environmental Impact Statement (EIR/EIS) for Cooperating and Responsible Agencies’ review on June 22, 2021. Environmental Justice (EJ) content will be included in a separate review due to EJ analysis refinements. EJ outreach will follow refined EJ documentation.</p> <p>Submitted draft General Conformity Determination for Federal Railroad Administration (FRA) review on June 28, 2021; National Marine Fisheries Service approved the Biological Opinion (Section 7 Consultation) on June 24, 2021.</p> <p>Program-wide guidance for Overhead Catenary System (OCS) Bird Electrocutation Avoidance Configuration (BEAC) submitted to ES for approval.</p>
<b>Central Valley Wye</b>	<p>Continued discussions with City of Madera. Tolling agreement extended to August 5, 2021.</p> <p>Permitting for the Central Valley Wye will progress following Board action on the Merced and Bakersfield extensions.</p>
<b>Locally Generated Alternative</b>	<p>Permitting for the Locally Generated Alternative will progress following Board action on the Merced and Bakersfield extensions.</p>
<b>Bakersfield to Palmdale</b>	<p>The Final EIR/EIS was published on June 25.</p> <p>A virtual public meeting was held on June 8 to discuss Historic Preservation (Section 106) updates in Lancaster, CA. Completed the Section 106 process (the Memorandum of Agreement was executed on June 22).</p> <p>Continued to advance Section 7 Consultation and other permitting activities related to ROD.</p> <p>Two comments were received during public review period for draft General Conformity Determination (concluded on June 14); waiting for FRA to approve in late July so the Regional Consultant team can remediate and include in the ROD.</p>
<b>Palmdale to Burbank</b>	<p>Invited ES/NAT and Legal reviewers to the Legal/NEPA Team Review and Workshops (Step 6b2) kick-off meeting (June 17). Successfully received the ADEIR/S on June 18; confirmed the SharePoint links and notified ES/NAT and Legal their review period commenced (review period is scheduled to end July 2).</p> <p>Meet with Environmental Protection Agency (EPA)/ United States Army Corps of Engineers (USACE) to discuss jurisdictional delineation before advancing Checkpoint C<sup>1</sup> any further; and continue coordination with Federal Aviation Administration (FAA) and Burbank Airport.</p> <p><sup>1</sup>Checkpoint C is the last in a 3-step coordination process with the USACE and USEPA pursuant to a 2010 MOU between the FRA, CHSRA, USACE, and USEPA. The 2010 MOU provides for an integrated review process under NEPA, Clean Water Act Section 404, and Section 14 of the Rivers and Harbors Act (Section 408). Checkpoint A addresses the project purpose and need; Checkpoint B presents the project alternatives, and Checkpoint C identifies the preliminary least environmentally damaging practicable alternative and a preliminary compensatory mitigation plan for unavoidable impacts.</p>

<b>Burbank to Los Angeles</b>	<p>Continued preparing the Final EIR/EIS, which includes addressing comments received on the Administrative Final EIR/EIS.</p>
<b>Los Angeles to Anaheim</b>	<p>Continued work on design refinements including for the Metrolink Central Maintenance Facility (CMF) and relocation of extraction wells.</p> <p>ES and NAT continued a rolling review of available chapters and technical reports for the assembled Administrative Draft EIR/EIS.</p> <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>