



Finance & Audit Committee

CENTRAL VALLEY STATUS REPORT

June 2021 Report (data through April 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 (RBS) Revision 1 data.

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

- The April 2021 Total Invoice is \$40.4M.
 - Construction Package 1 – April Invoice at \$18.4M. One structure was started ahead of schedule. Utilities not starting at Church and Avenue .
 - Construction Package 2-3 – April Invoice at \$14M.
 - Construction Package 4 – April Invoice at \$8M.
- Total CP Cumulative Actual Invoice – \$3,262.3M.
- Total Cumulative Current Contract Amount – \$5,126.3M.

Change Orders

- Executed Change Orders this period – 12 for a total of \$2.2M.
 - Construction Package 1 – Three for a total of \$0.7M.
 - Construction Package 2-3 – Nine for a total of \$1.5M.
 - Construction Package 4 – No Executed Change Orders this period.

Risk Contingency ([Page 6](#))

- Original Contract Contingency – \$2,662M with Remaining Contract Contingency – \$722M.
 - Construction Package 1 – \$1,237M with Remaining Contract Contingency – \$349M.
 - Construction Package 2-3 – \$1,085M with Remaining Contract Contingency – \$252M.
 - Construction Package 4 – \$340M with Remaining Contract Contingency – \$121M.

CP Design

- Expected completion of all CP's major design in August 2021.
 - Construction Package 1 – 37 of 40 total design packages cleared for construction and three in progress. Expected completion June 2021.
 - Construction Package 2-3 – 102 of 109 total design packages cleared for construction and seven in progress. Expected completion August 2021.
 - Construction Package 4 – 14 of 14 total design packages cleared for construction.

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

- Total Monthly Average – 1,078 daily-workers. An increase of 90 (988) daily workers this period.
 - Construction Package 1 – 286 daily workers. An increase of seven (279) daily workers from the previous month.
 - Construction Package 2-3 – 579 daily workers. An increase of 69 (510) daily workers from the previous month.
 - Construction Package 4 – 213 daily workers. An increase of 14 (199) daily workers from the previous month.
- Daily Average Contracted CP Employees Quarantined for COVID-19 in April – three. An increase of one in the daily average of employees from March 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](#))

- Guideway – 82 miles constructed/underway compared to 119 miles total. An increase of two from the previous period.
 - Construction Package 1 – 13 miles underway/substantially complete. On schedule.
 - Construction Package 2-3 – 48 miles underway/substantially complete. On schedule.
 - Construction Package 4 – 21 miles underway/substantially complete. Ahead by one.
- Structures – 64 underway/substantially complete compared to 93 structures total. An increase of three structures from the previous period.
 - Construction Package 1 – 25 structures underway/substantially complete. Ahead by one structure – Avenue 9.
 - Construction Package 2-3 – 29 structures underway/substantially complete. On plan.
 - Construction Package 4 – 10 structures underway/substantially complete. One structure behind plan primarily due to discussions on Grade Separation Agreement that is currently being reviewed by the Authority. Structure scheduled to begin in July 2021 (not on critical path).
- Utility Relocations Status – Relocated: 585 (28%); In Progress: 534 (26%); Scheduled to Start: 131 (6%); Not Started: 815 (40%); Total: 2,065. Ten started in April 2021 reporting period.
 - Construction Package 1 – Relocated: 244 (20%); In Progress: 457 (38%); Approved to Start: 7 (1%); Not Started: 495 (41%); Total: 1,203.
 - Construction Package 2-3 – Relocated: 301 (43%); In Progress: 53 (8%); Approved to Start: 89 (13%); Not Started: 251 (36%); Total: 694.
 - Construction Package 4 – Relocated: 40 (24%); In Progress: 24 (14%); Approved to Start: 35 (21%); Not Started: 69 (41%); Total: 168.

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

- Total Parcels Delivered to Date – 1,837 parcels compared to an Estimated Total Parcels Needed – 2,306 parcels.
- Total Acquired Parcels – 26 parcels.
- Parcels Delivered to Design-Builder (DB) – 22 parcels delivered in April. Three parcels previously delivered. Total of 25 parcels delivered.
- Construction Package 1-4 – 10 parcels added (one Authority owned with no acquisition required), and eight parcels removed for a net increase of two parcels.
- Railroad Parcels Delivered to Design-Builder – Zero parcels. Zero delinquent parcels.
- Total Railroad Parcels Delivered to Date – 106 parcels.
- Land Right Conveyances (Tier I, Prior to Construction).
 - Received Approval – 10 Land Right Conveyances and zero delinquent land right conveyances.
 - To date, the Authority received approval on 561 land right conveyances.

Third-Party Agreements ([Pages 12 and 13](#))

- Ten remaining key agreements. In the past year, finalized 47 agreements. Thirty-five of those agreements were critical to supporting construction.

Project Development (Environmental Clearance) Schedule – Record of Decision (ROD) ([Pages 41 through 43](#))

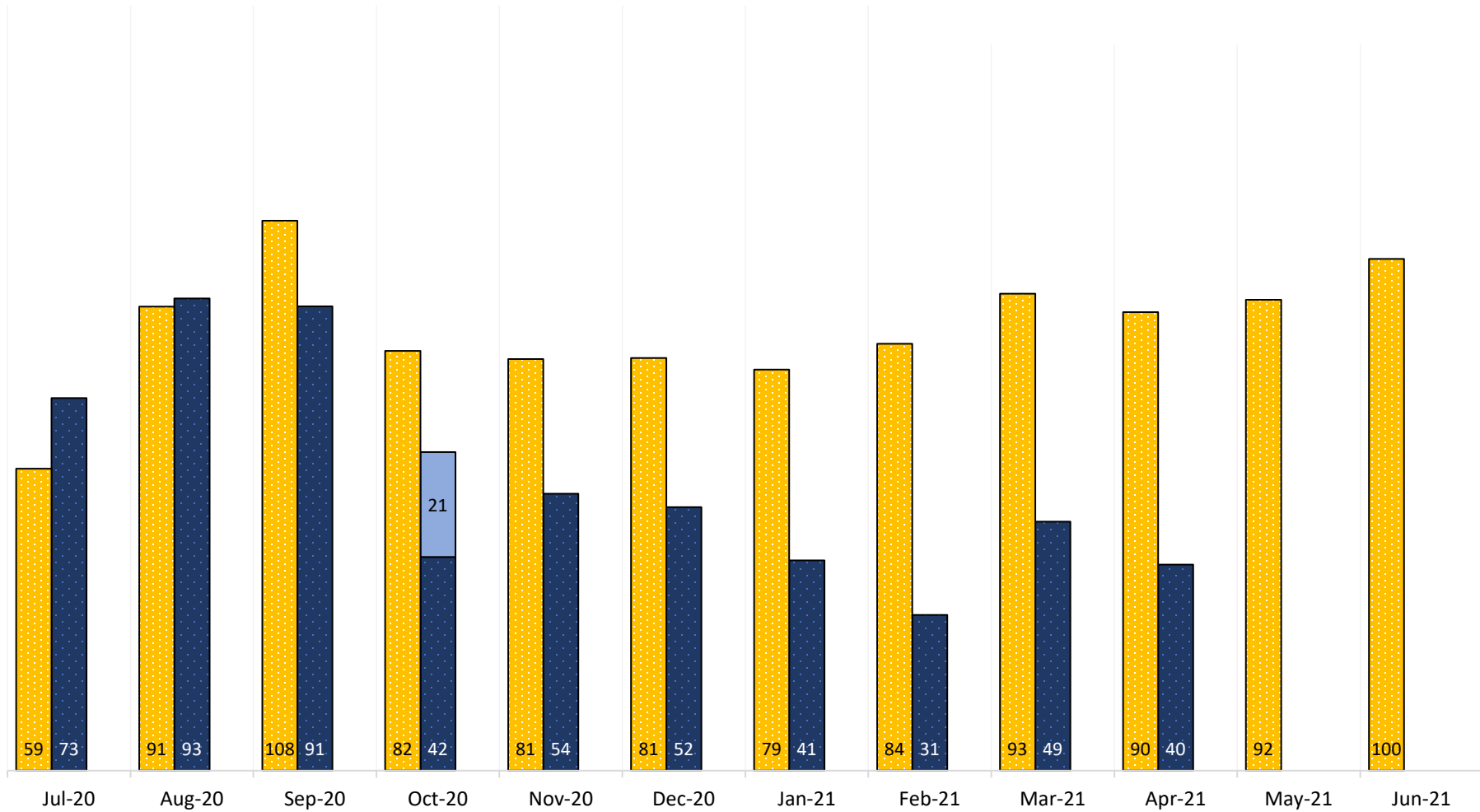
- San Francisco to San Jose – Responding to public comments and preparing a Revised Draft Environmental Impact Report/Supplemental Draft Environmental Impact Statement (RDEIR/SDEIS) for 45-day public review in June 2021. **June 7, 2021 Update:** We have confirmed a 4-week delay on the Final EIR/EIS schedule (March 2022 to April 2022) due to greater number of HSRA review comments and future Millbrae Station Reduced Plan (MSRP) baseline concerns associated with the Millbrae Station Reduced Plan (MSRP) recirculation (RDEIS/SDEIS).
- San Jose to Merced – The regional team published the JM RDEIR/SDEIS on April 23 for 45-day public review ending June 9, 2021; is responding to public comments on the Draft EIR/EIS; and preparing the Administrative Final EIR/EIS for agency review in June 2021.
- Bakersfield to Palmdale – The comment period for the BP RDEIR/SDEIS concluded on April 12. A total of 120 comments were received (310 delimited comments). Comment responses were initiated, and two comment triage workshops were held in April. The response to comments on the RDEIR/SDEIS

will be incorporated into the Final EIR/EIS; Board Approval of the Final EIR/EIS is scheduled for end of June 2021 but may need to be moved to a later date to accommodate time to finalize the comment-responses (the comments received were considerably higher than anticipated) and the posting of the FRA General Conformity Determination (GCD) in the Federal Register. **June 7, 2021 Update:** Board Approval Meeting for this section is set for August 18-19, 2021.

- Palmdale to Burbank - Continued to prepare responses to comments received from NAT and the Cooperative Agency Review of the Administrative Draft EIR/EIS and making progress on removing content/analysis related to the Palmdale subsection in the Draft EIR/EIS. Held 'touch-point' meeting to assess the progress made on responding to the outstanding comments on the Draft EIR/EIS and discuss the plan on delivering a quality submittal (June 18). The Public Comment period for the Draft EIR/EIS is scheduled to commence mid-September 2021.
- Burbank to Los Angeles – The Administrative Final EIR/EIS was released to Cooperating and Responsible Agencies for review on March 31, 2021. The review period ended on April 30, 2021; FAA was given an extension to provide comments until May 18, 2021. **June 7, 2021 Update:** The schedule to deliver the Final EIR/EIS has shifted six weeks (September 2021 to November 2021) to incorporate a decision to retain Progressive Maintenance functions at Metrolink's Central Maintenance Facility instead of the planned movement to their Eastern Maintenance Facility.
- Los Angeles to Anaheim – Progress continued on integration of additional BNSF deliverables pertaining to the Colton and Lenwood facilities into the assembled Administrative Draft EIR/EIS.

CP 1-4 - Design-Build Planned vs. Actual Expenditures – Near Term

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

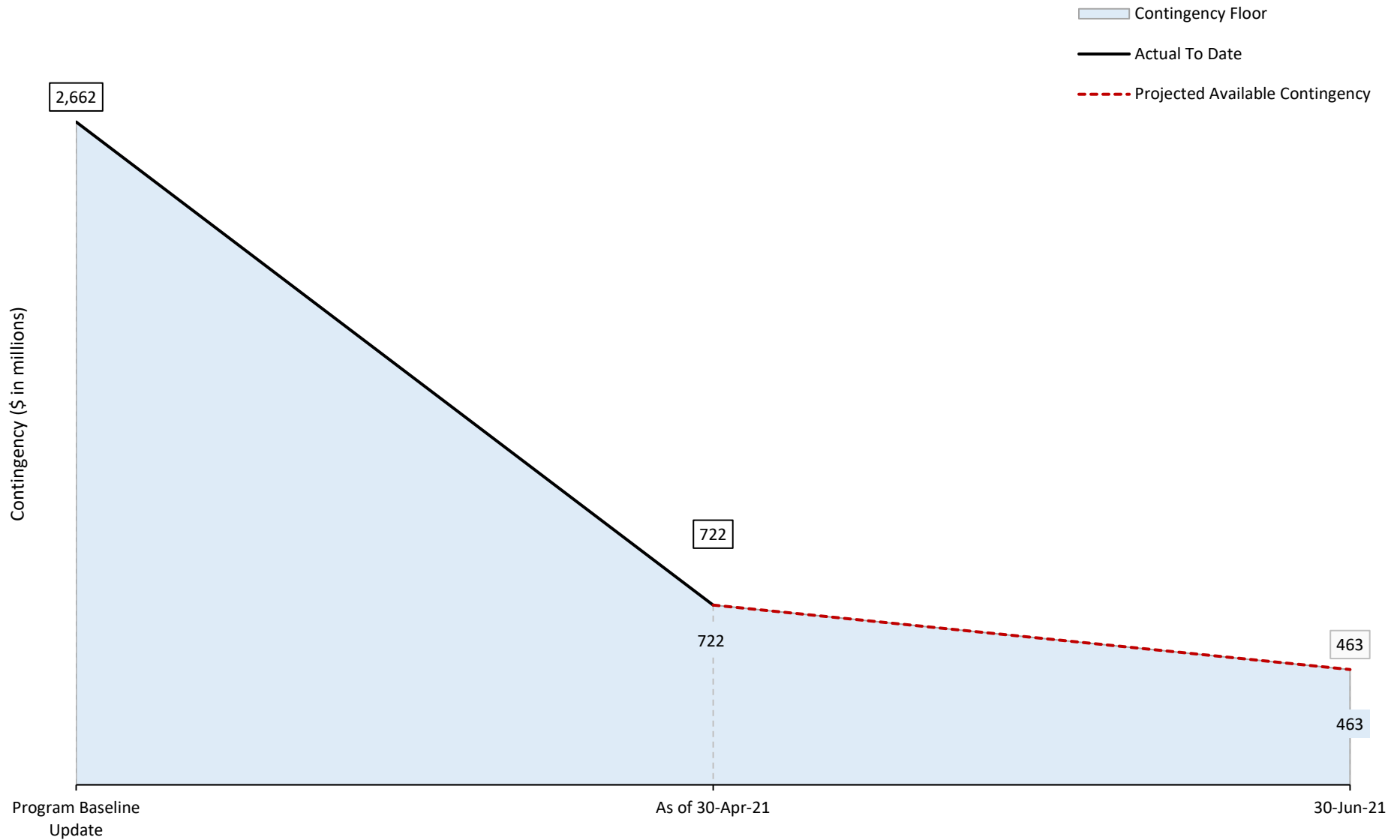


Notes:

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 PCM certified invoices and do not include accrual adjustments.
3. Construction Package 1 – Expenditures are within the early and late cashflow targets for the reporting period. One structure was started ahead of schedule. Utilities not starting at Church and Avenue 15.5 meant the mid-point forecast was not met by \$3.4M.
4. Construction Package 2-3 – April Invoice at \$14M. Multiple structure and guideway locations were not able to start as planned per the Revised Baseline Schedule (RBS) Revision 1 due to prolonged Right-of-Way (ROW) acquisitions.
5. Construction Package 4 – Right-of-Way (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 1-4 – Risk - Contingency Report

CP 1-4 – Risk - Contingency Report

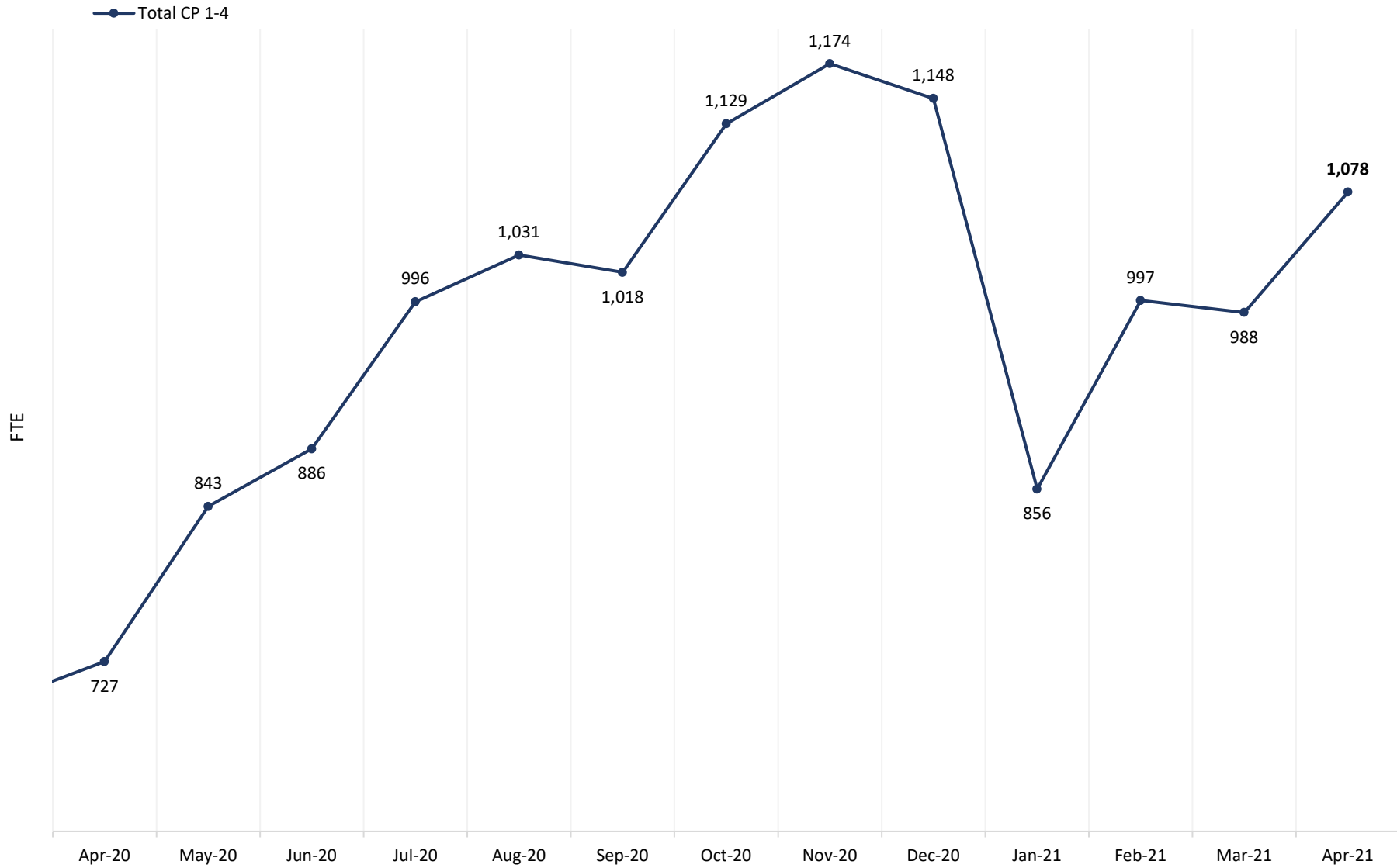


Notes:

1. The chart above remains at Revised Baseline Schedules (RBS) Revision 1 data.
2. The Program Baseline Update was presented to and accepted by the Board in May 2019. The adoption of the Program Baseline Update resulted in changes to contingency amounts. The contingency drawdown curve has been revised to reflect projected contingency amount for the entire CP 1-4 Project through the completion of FY2020-21.

CP 1-4 – Monthly Construction Workforce Total

CP 1-4 – Monthly Construction Workforce Total – Actual

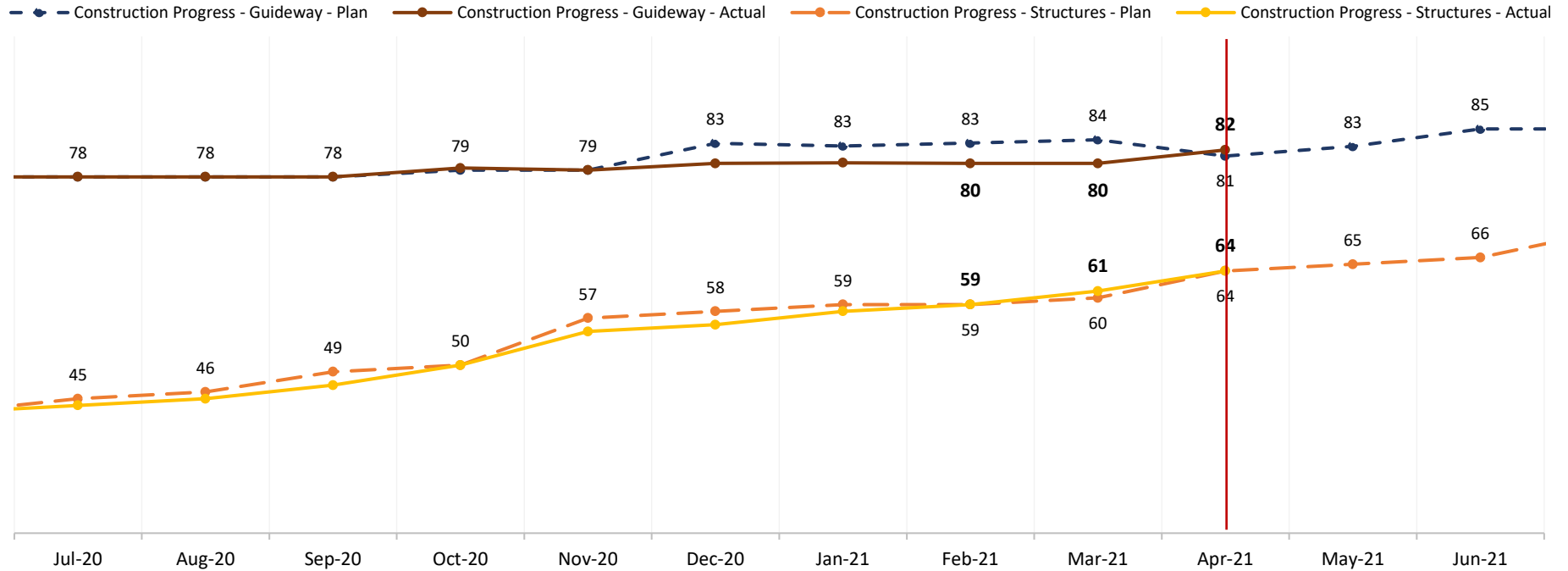


Notes:

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. Actuals

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	
Structures	12	13	21	8	10	0	43	21	64
Guideway	11	2	29	19	21	0	61	21	82

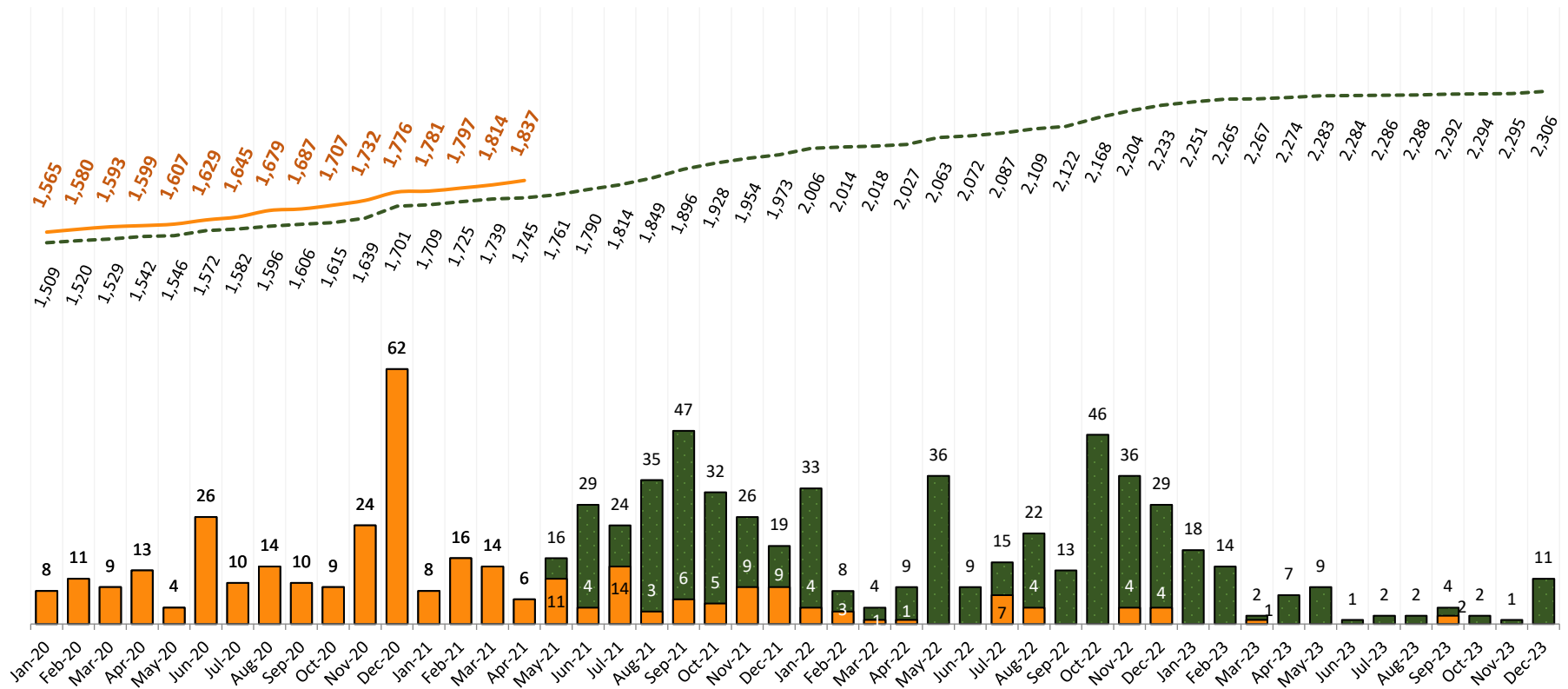
Notes:

- The chart above incorporates Revised Baseline Schedules (RBS) Revision 2 data.
- Total Structures: 93 each.
- Total Guideway: approximately 119 miles.
- Structures – 64 underway/substantially complete compared to 93 structures total. An increase of three structures from the previous period.
 - CP 1 – 25 structures underway/substantially complete. Ahead by one structure – Avenue 9.
 - CP 2-3 – 29 structures underway/substantially complete. On plan.
 - CP 4 – 10 structures underway/substantially complete. One structure behind plan primarily due to discussions on Grade Separation Agreement that is currently being reviewed by the Authority. Structure scheduled to begin in July 2021 (not on critical path).
- Guideway – 82 miles constructed/underway compared to 119 miles total. An increase of two from the previous period.
 - CP 1 – 13 miles underway/substantially complete. On schedule.
 - CP 2-3 – 48 miles underway/substantially complete. On schedule.
 - CP 4 – 21 miles underway/substantially complete. Ahead by one.

CP 1-4 – Right-of-Way (ROW) Summary

Construction Package	Total Needed Parcels April 30, 2021	Total Parcels Delivered to Date April 30, 2021	Remaining Parcels to be Delivered April 30, 2021
CP 1	1,069	901	168
CP 2-3	1,000	754	246
CP 4	237	182	55
Total	2,306	1,837	469

CP 1-4 – Parcel Delivery to DB Summary



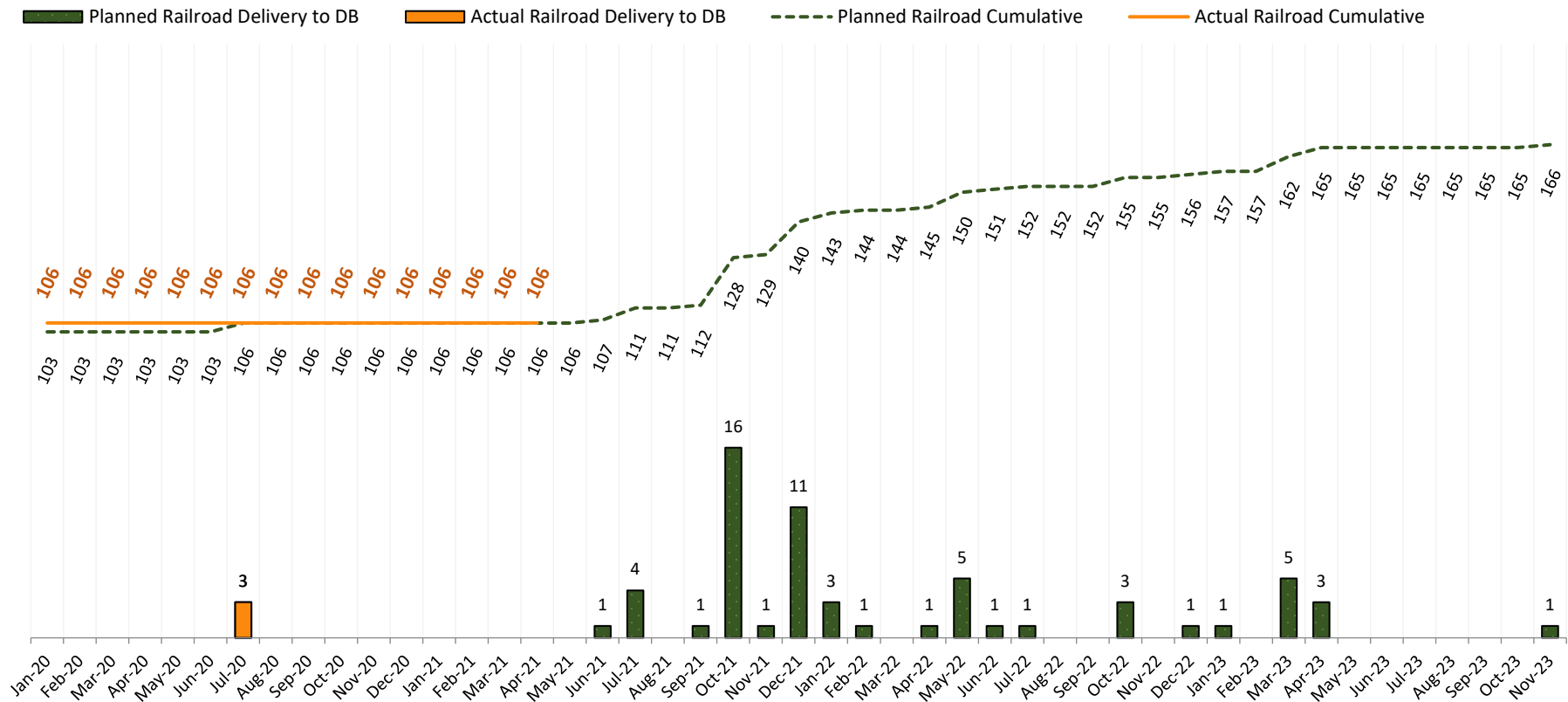
Notes:

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 April 2021 reflects delivered parcels that are forecasted in future months.
3. January 2020 Delivered to DB Cumulative adjusted by two parcels due to reporting reconciliation.

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

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

CP 1-4 – Railroad Parcel Delivery to DB Summary



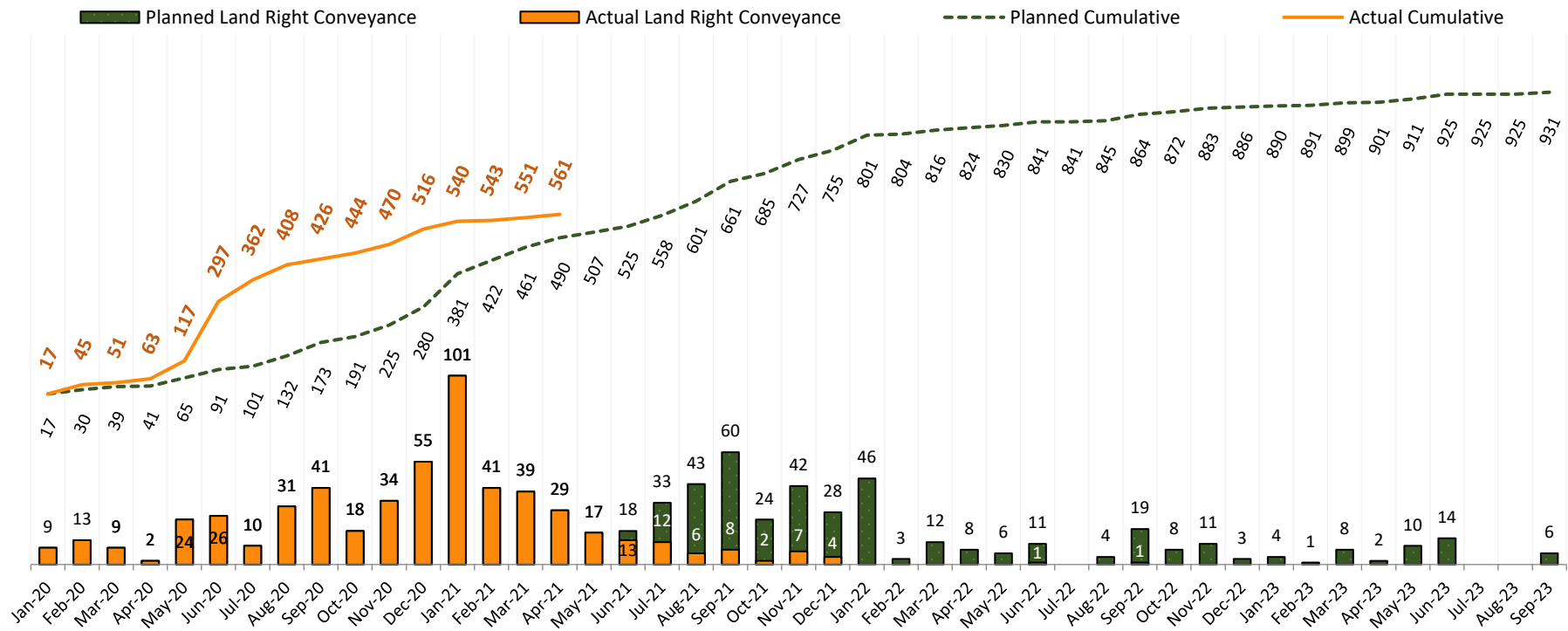
Notes:

1. This reflects the current Railroad Revised Baseline Schedules (RBS) Revision 2 for CP 1, CP 2-3, and CP 4.

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 March 31, 2021	Total Needed Land Right Conveyances Modifications	Total Needed Land Right Conveyances April 30, 2021	Total Land Right Conveyances Approved ⁽⁴⁾ to Date March 31, 2021	Total Land Right Conveyances Approved April 30, 2021	Remaining Land Right Conveyances to be Approved April 30, 2021
CP 1	408	0	408	294	2	112
CP 2-3	438	0	438	226	4	208
CP 4	98	-13	85	31	4	50
Total	944	-13	931	551	10	370

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



Notes:

1. This reflects the current Railroad Revised Baseline Schedules (RBS) Revision 2 for CP 1, CP 2-3, and CP 4.
2. Actual Cumulative for April 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. 13 Tier 1 Land Right Conveyances no longer required prior to construction CP 4.

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. County performing final review of agreement and exhibits. Anticipate taking agreement to June Kings County Board of Supervisors meeting for approval.	Sep-20	Jul-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 Ave. grade separation, Poso and J Street extensions, 6 th Street closure, and Amtrak pedestrian underpass.	N/A	Oct-21
Semitropic Water Storage District	CP 4	Design and construction of facilities. Semitropic counsel still finalizing provisions with the Authority's Legal Office. The Authority provided further revisions pursuant to Semitropic's requests in February; awaiting response from Semitropic counsel.	May-21	Jul-21
Semitropic Water Storage District	CP 4	CCUA ⁽¹⁾ template allows prompt execution of land conveyances. Semitropic and the Authority's CP 4 team still working out final revisions and exhibits. The Authority provided further revisions pursuant to Semitropic's requests in February; awaiting response from Semitropic counsel.	May-21	Jul-21
Semitropic Water Storage District	CP 4	JUA ⁽²⁾ template allows prompt execution of land conveyances. Semitropic and the Authority's CP 4 team still working out final revisions and exhibits. The Authority provided further revisions pursuant to Semitropic's requests in February; awaiting response from Semitropic counsel.	May-21	Jul-21
North Kern Water Storage District (NKWSD)	CP 4	Utility Agreement amendments for construction of facilities. Authority and NKWSD are currently in arbitration to resolve issues.	May-21	Jun-21

North Kern Water Storage District	CP 4	Master Agreement amendment and memorandum to revise terms of original agreement and memorialize new obligations. Authority and NKWSD are currently in arbitration to resolve issues.	May-21	Jun-21
North Kern Water Storage District	CP 4	Settlement Agreement to resolve any remaining disputed issues between NKWSD and the Authority.	May-21	Jun-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⁽¹⁾

CP 1 – Design-Build Contract Summary⁽²⁾

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
Current Forecast Substantial Completion Date⁽³⁾:	12/29/2023

Contract Value

Description	Amount
Fixed Bid Price:	\$969,988,000.00
Provisional Sums:	\$53,000,000.00
Original Contract Price:	\$1,022,988,000.00
Executed Change Orders:	\$1,339,677,913.97
Current Contract Amount:	\$2,362,665,913.97
Approved Invoices to Date:	\$1,477,902,296.27
Remaining Contract Balance:	\$884,763,617.70

Contract Time Status

Description	Duration ⁽⁴⁾
Original Contract Days:	1,628
Extension of Time Awarded:	1,312
Current Forecast Contract Days:	2,940
Work Days Spent (thru 04/30/2021):	2,754

Expended to Date

Description	Percentage
Time:	93.7%
Dollars:	62.6%

Growth Percentage

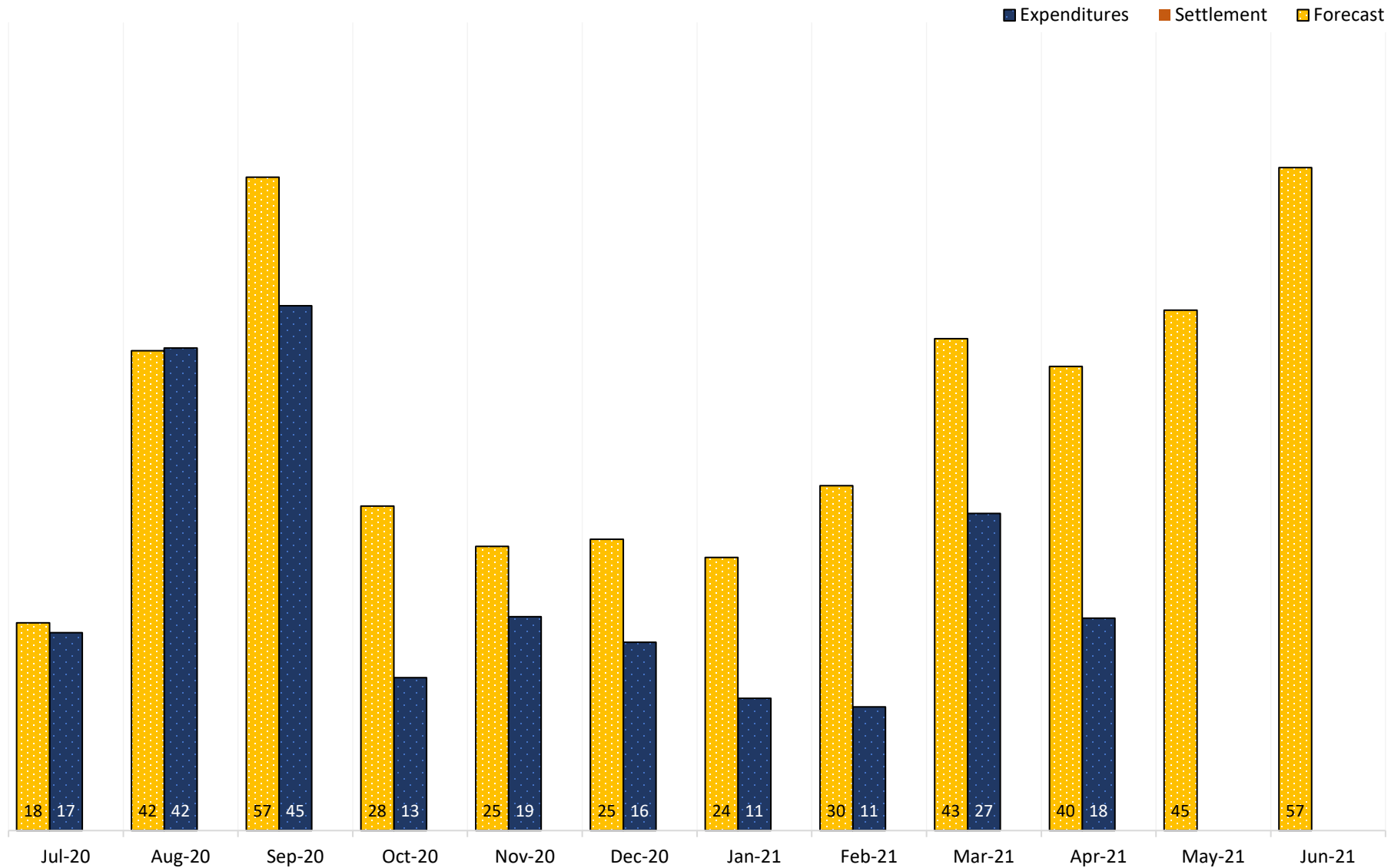
Description	Percentage
Time:	80.6%
Dollars:	131.0%

Notes:

- Information in this section is coming from data provided by the Project and Construction Management (PCM) – Monthly Status Report.
- The tables 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.
- Calendar Days.

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 PCM certified invoices and do not include accrual adjustments.

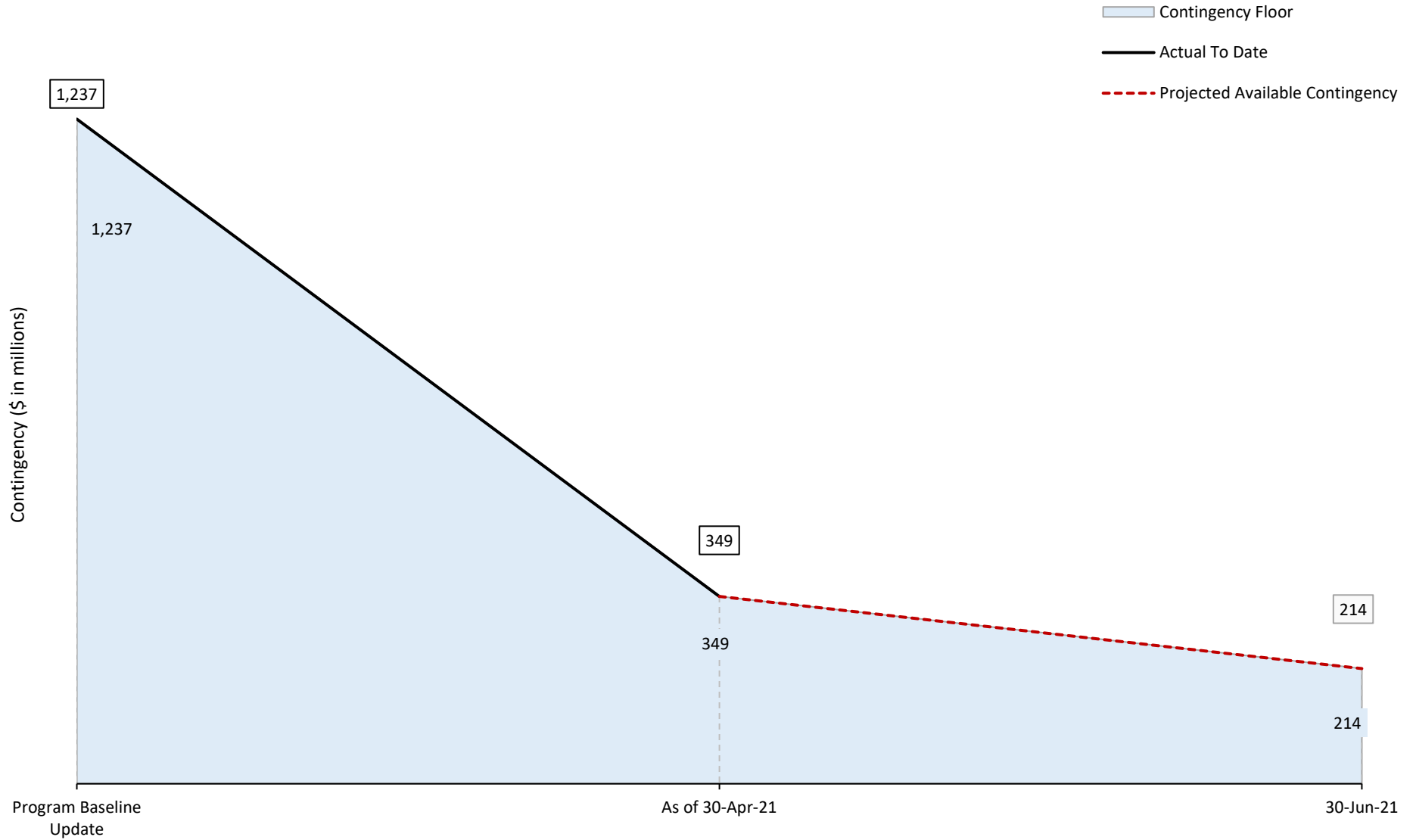
CP 1 – Executed Change Order Status

CP 1 – Executed Change Order Status

CO Number	Title	Change Status	Amount	Executed Date
00119.1 R1	Railroad Utility Crossing Application and License Fees - Supplemental	CO Executed	\$510,000.00	02-Apr-21
00369	County of Madera Haul Road Pavement Condition - Surety Bonds	CO Executed	\$166,868.00	14-Apr-21
00360	SR-180 Striping Changes from 4-Inch to 6-Inch	CO Executed	\$33,930.00	27-Apr-21
Total:			\$710,798.00	

CP 1 – Risk - Contingency Report

CP 1 – Risk - Contingency Report

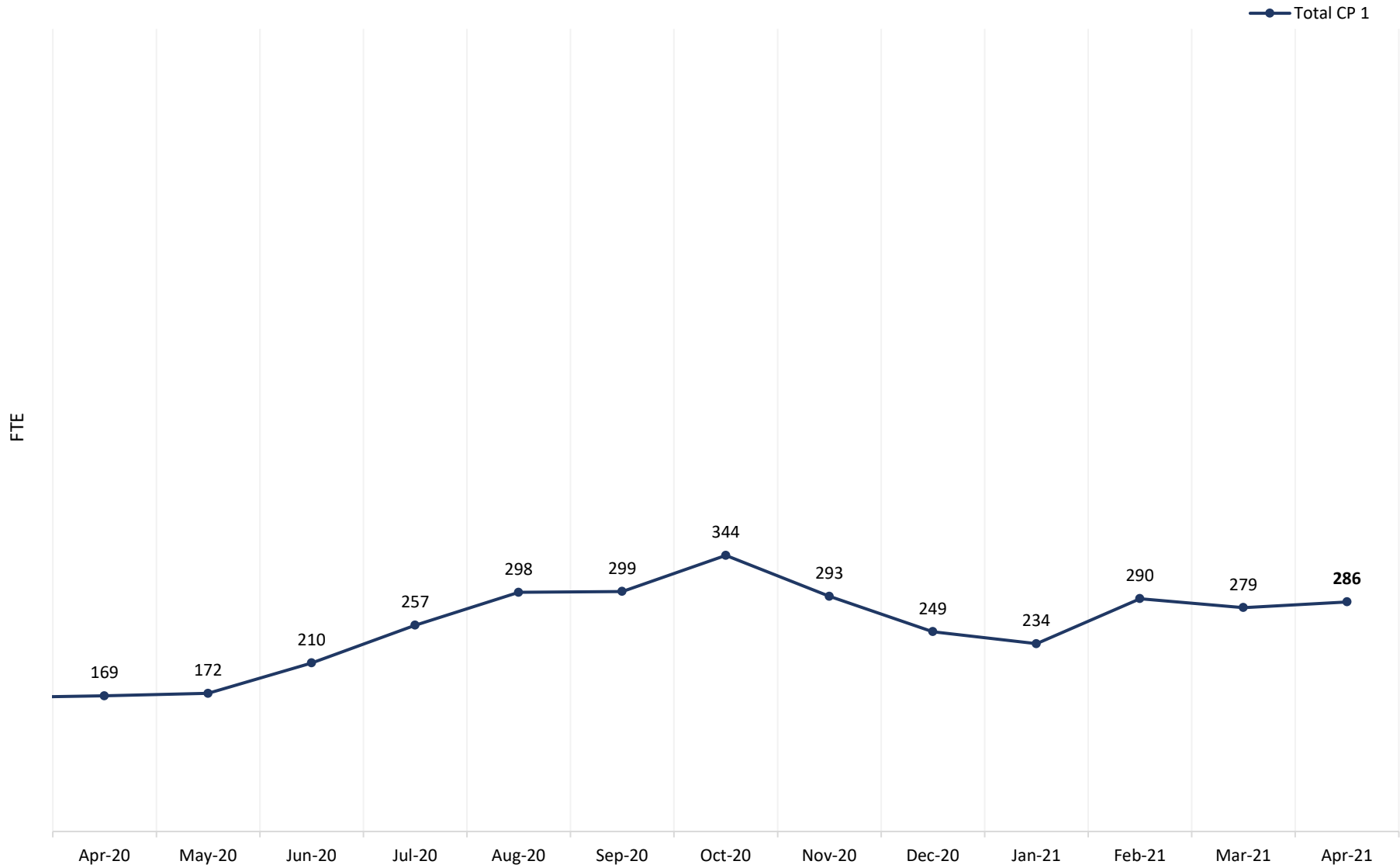


Notes:

1. The chart above remains at Revised Baseline Schedules (RBS) Revision 1 data.
2. The Program Baseline Update was presented to and accepted by the Board in May 2019. The adoption of the Program Baseline Update resulted in changes to contingency amounts. The contingency drawdown curve has been revised to reflect projected contingency amount for the entire CP 1 project through the completion of FY2020-21.

CP 1 – Monthly Construction Workforce Total

CP 1 – Monthly Construction Workforce Total – Actual

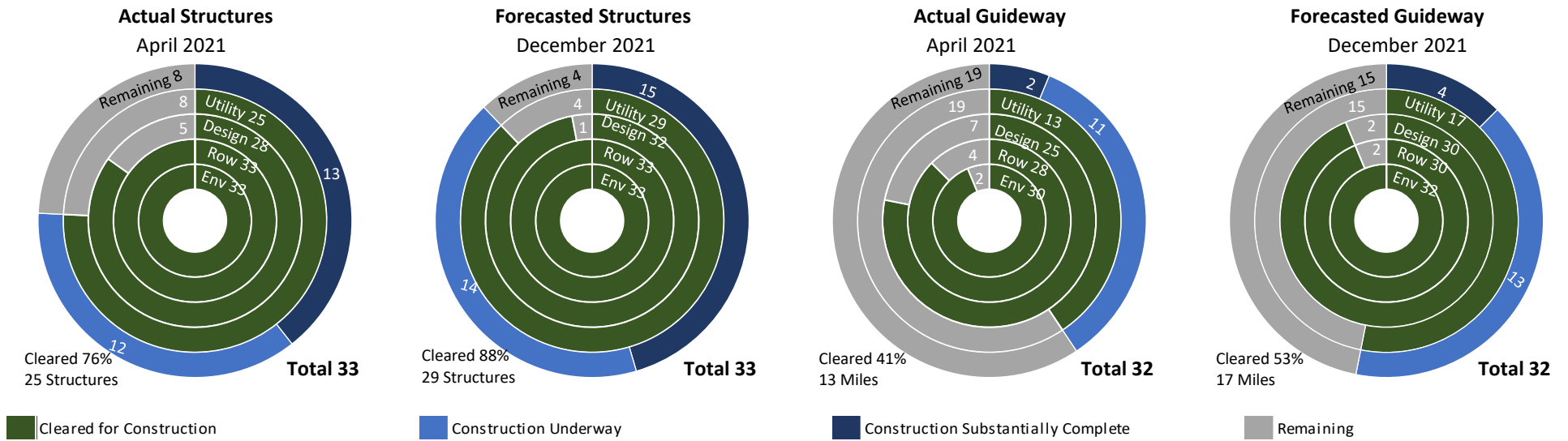


Notes:

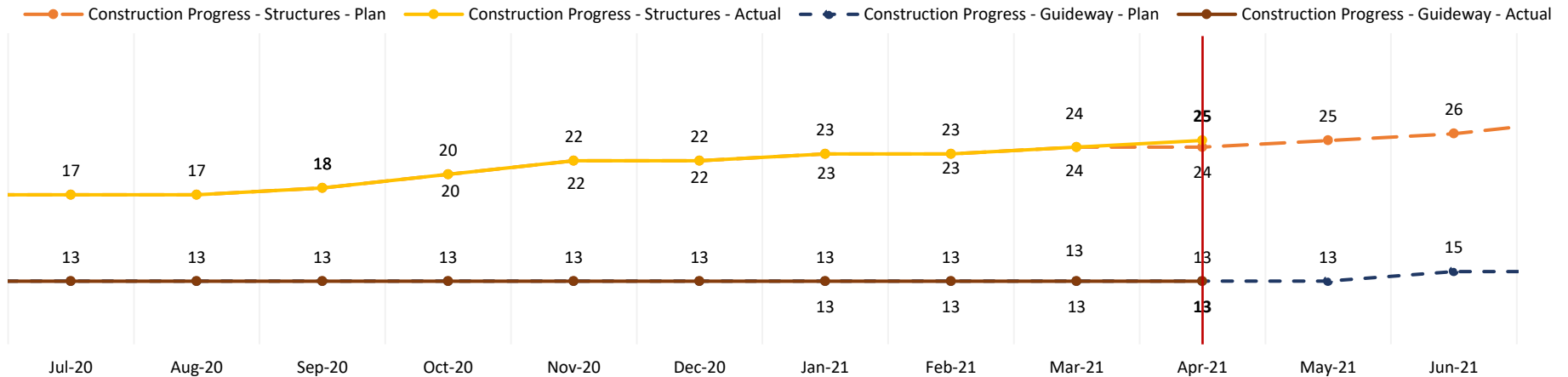
1. The construction labor numbers (full-time employees) are based on the working calendar month.
2. The data represents the overall total on a per working calendar month average status.

CP 1 – Construction Progress

CP 1 – Construction Progress



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



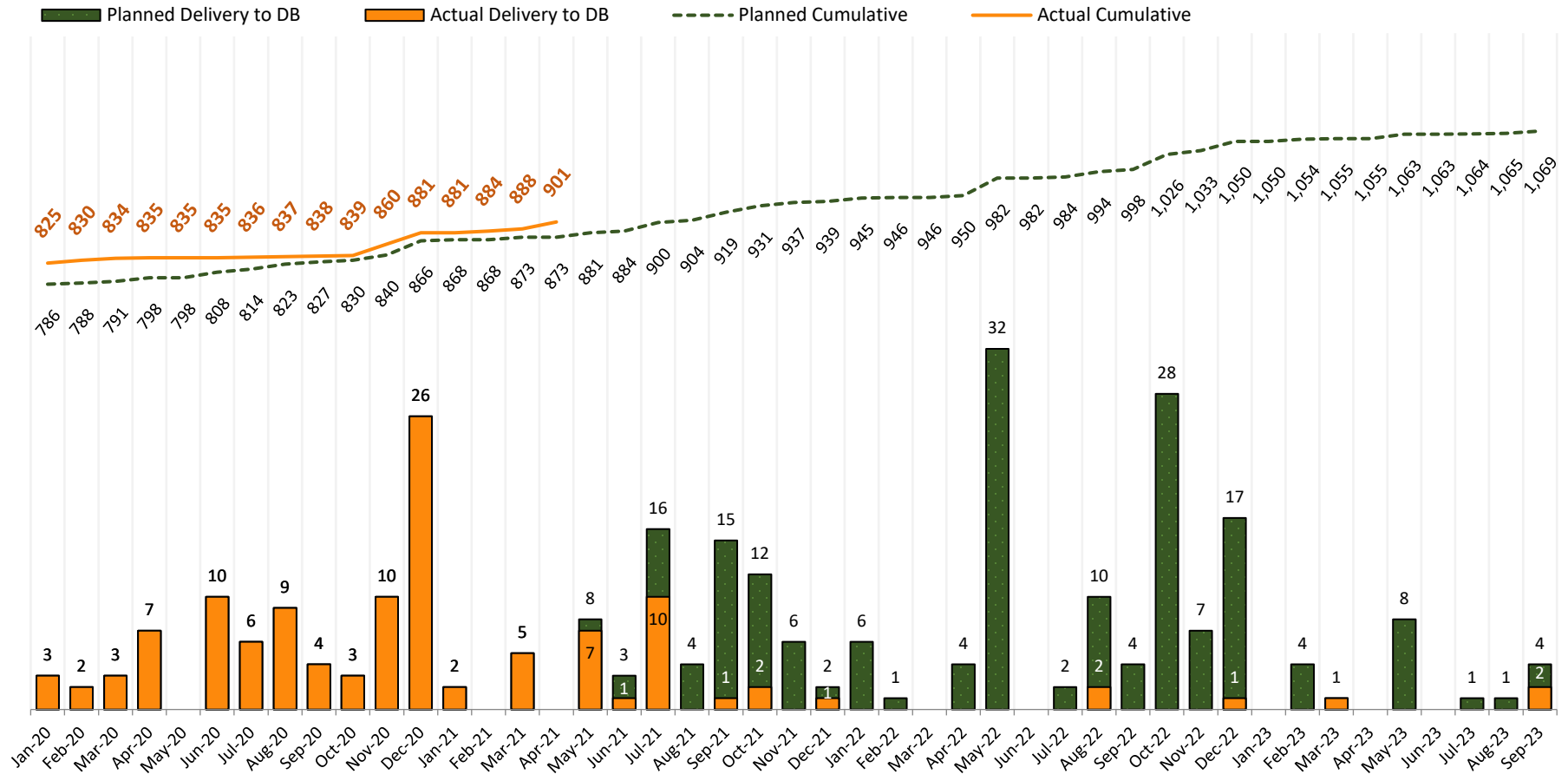
Notes:

1. The chart above incorporates Revised Baseline Schedules (RBS) Revision 2 data.
2. Total Structures: 33 structures.
3. Total Guideway: 32 miles.
4. 25 structures underway/substantially complete.
5. 13 miles underway/substantially complete.

CP 1 – Right-of-Way (ROW) Summary

Construction Package	Total Needed Parcels April 30, 2021	Total Parcels Delivered to Date April 30, 2021	Remaining Parcels to be Delivered April 30, 2021
CP 1	1,069	901	168

CP 1 – Parcel Delivery to DB Summary

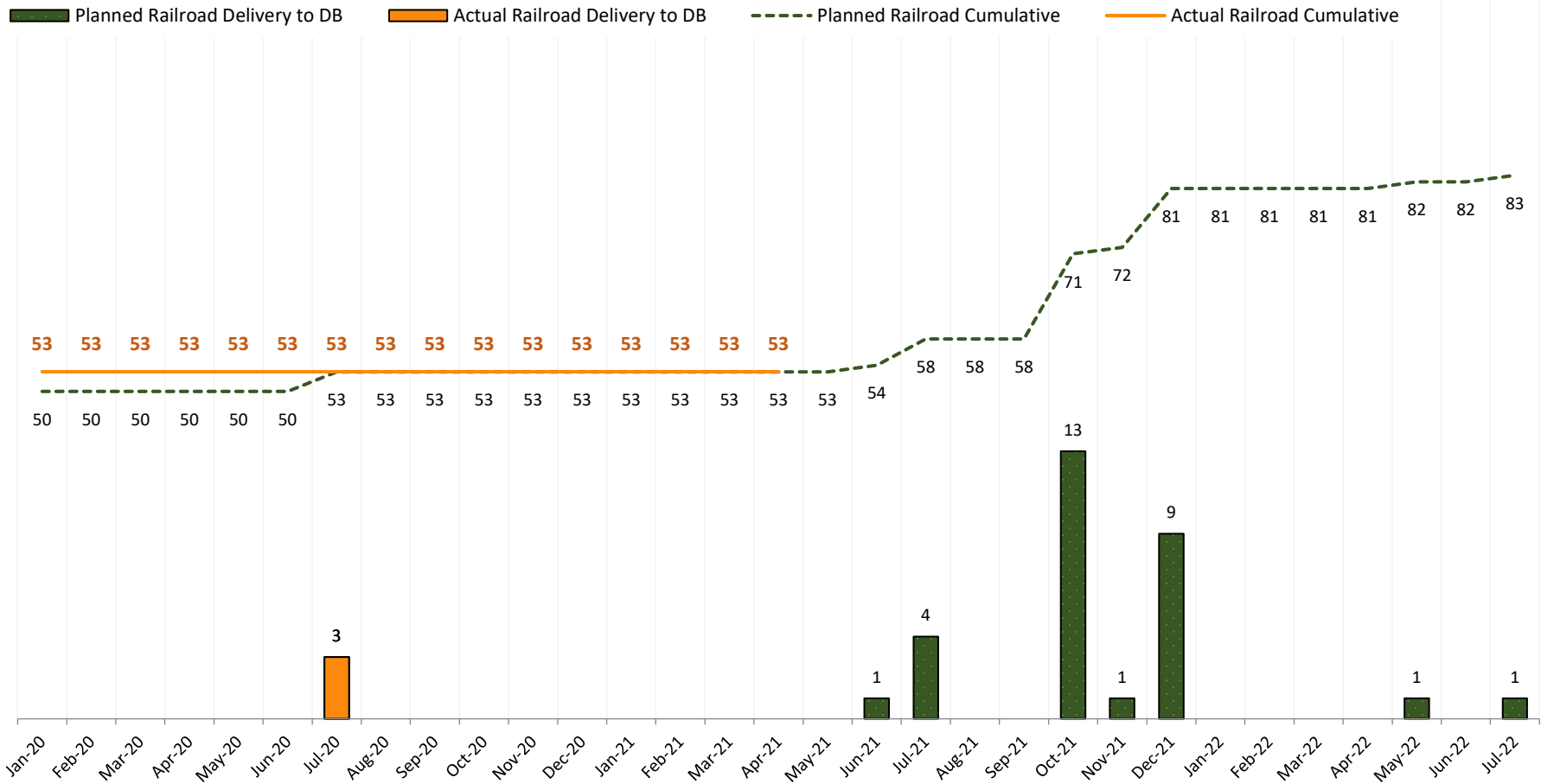


- Notes:**
1. This reflects the current Revised Baseline Schedules (RBS) Revision 2 for CP 1.
 2. January 2020 Delivered to DB Cumulative adjusted by two parcels due to reporting reconciliation.
 3. Actual cumulative line for April 2021 reflects delivered parcels that are forecasted in future months.

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

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

CP 1 – Railroad Parcel Delivery to DB Summary



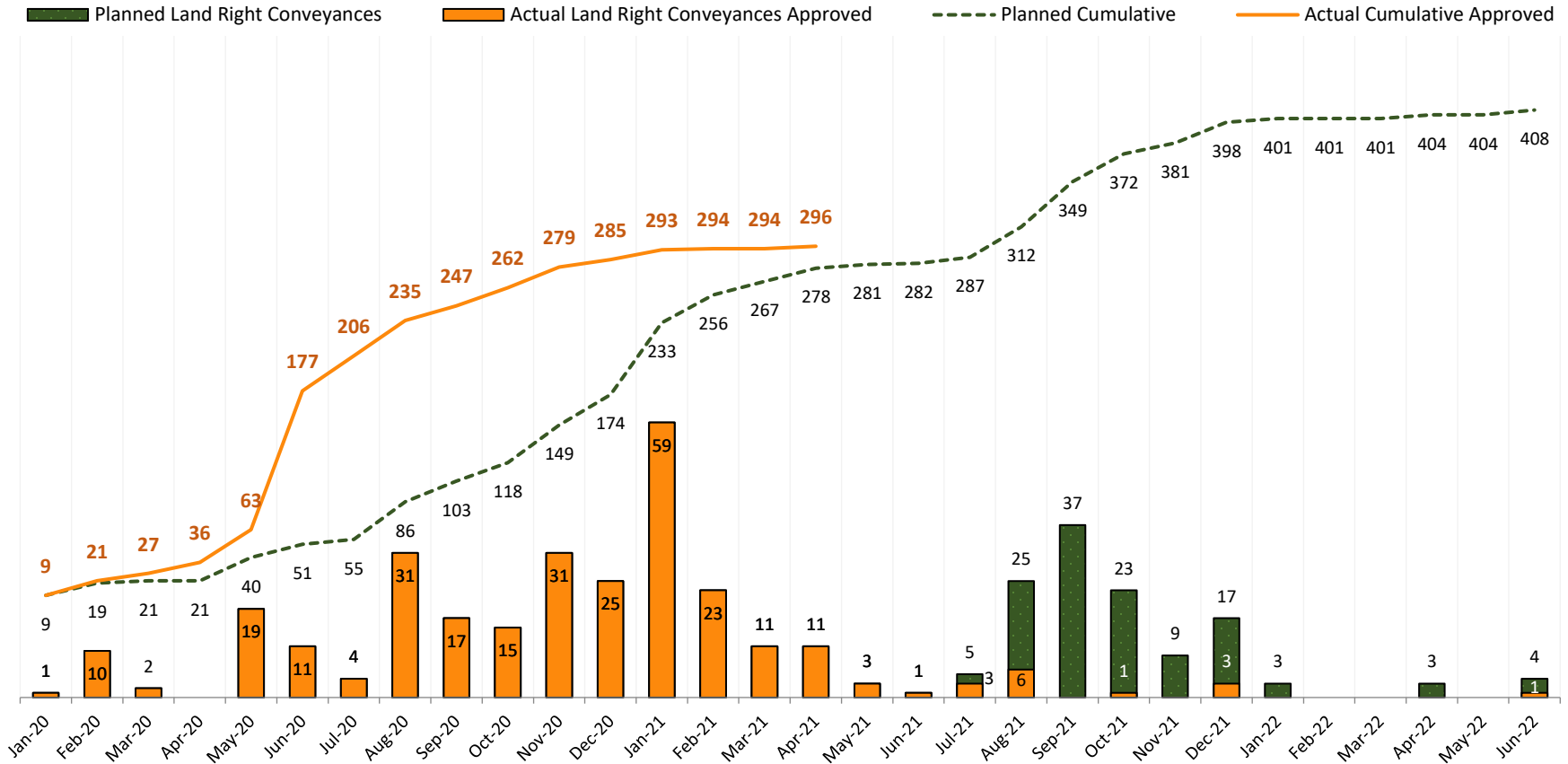
Notes:

1. This reflects the current 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) Summary

Construction Package	Total Needed Land Right Conveyances April 30, 2021	Total Land Right Conveyances Approved ⁽⁴⁾ to Date April 30, 2021	Remaining Land Right Conveyances to be Approved April 30, 2021
CP 1	408	296	112

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 April 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
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
Current Forecast Substantial Completion Date⁽³⁾:	12/31/2023

Contract Value

Description	Amount
Fixed Bid Price:	\$1,205,335,890.00
Provisional Sums:	\$160,000,000.00
Original Contract Price:	\$1,365,335,890.00
Executed Change Orders:	\$759,033,288.42
Current Contract Amount:	\$2,124,369,178.42
Approved Invoices to Date:	\$1,346,102,904.19
Remaining Contract Balance:	\$778,266,274.23

Contract Time Status

Description	Duration ⁽⁴⁾
Original Contract Days:	1,486
Extension of Time Awarded:	973
Current Forecast Contract Days:	2,459
Work Days Spent (thru 04/30/2021):	2,106

Expended to Date Percentage

Description	Percentage
Time:	85.6%
Dollars:	63.4%

Growth Percentage

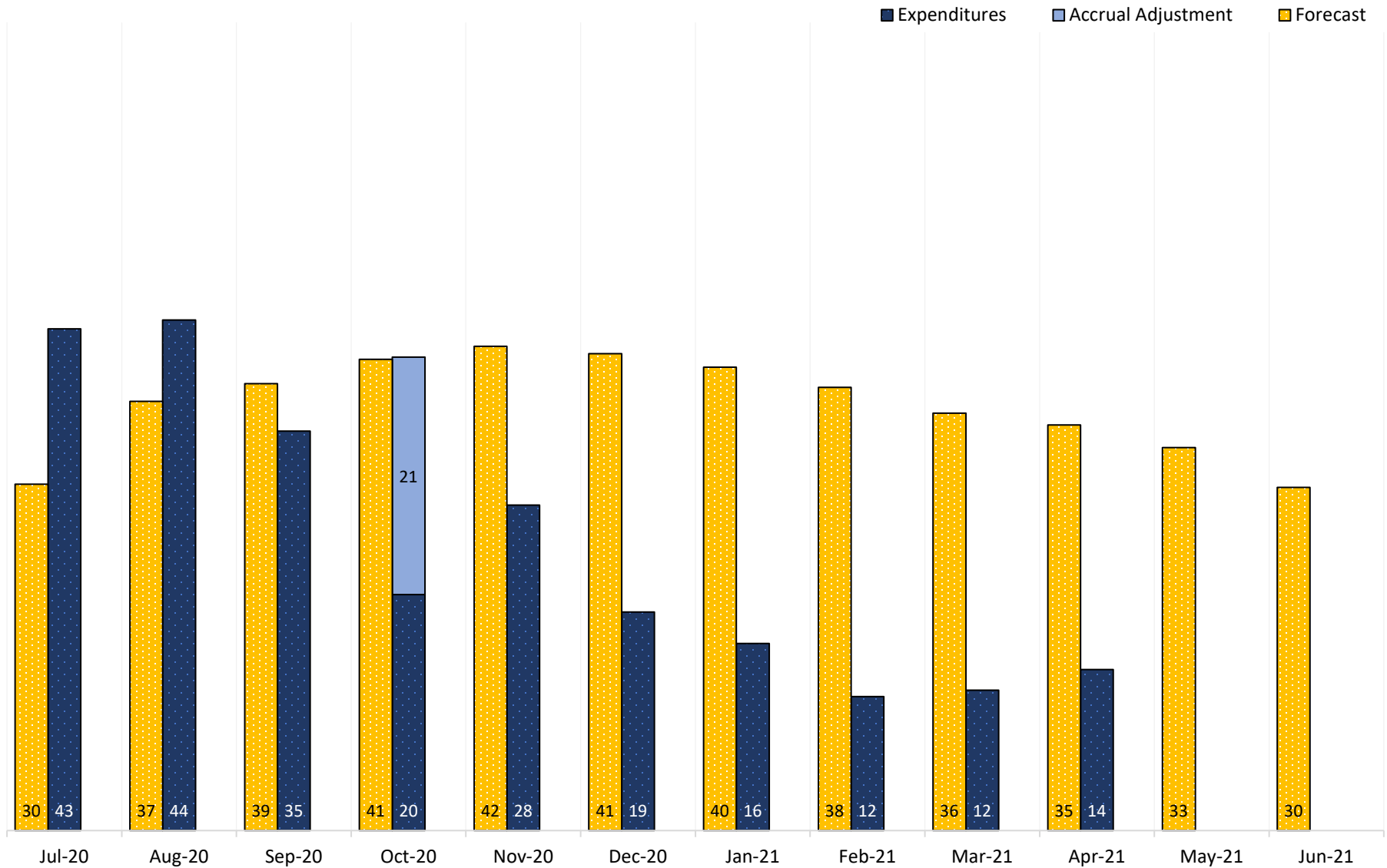
Description	Percentage
Time:	65.5%
Dollars:	55.6%

Notes:

- Information in this section is coming from data provided by the Project and Construction Management (PCM) – Monthly Status Report.
- The tables above remain at Revised Baseline Schedules (RBS) Revision 1 data.
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- Calendar Days.

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. 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.
 3. 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.

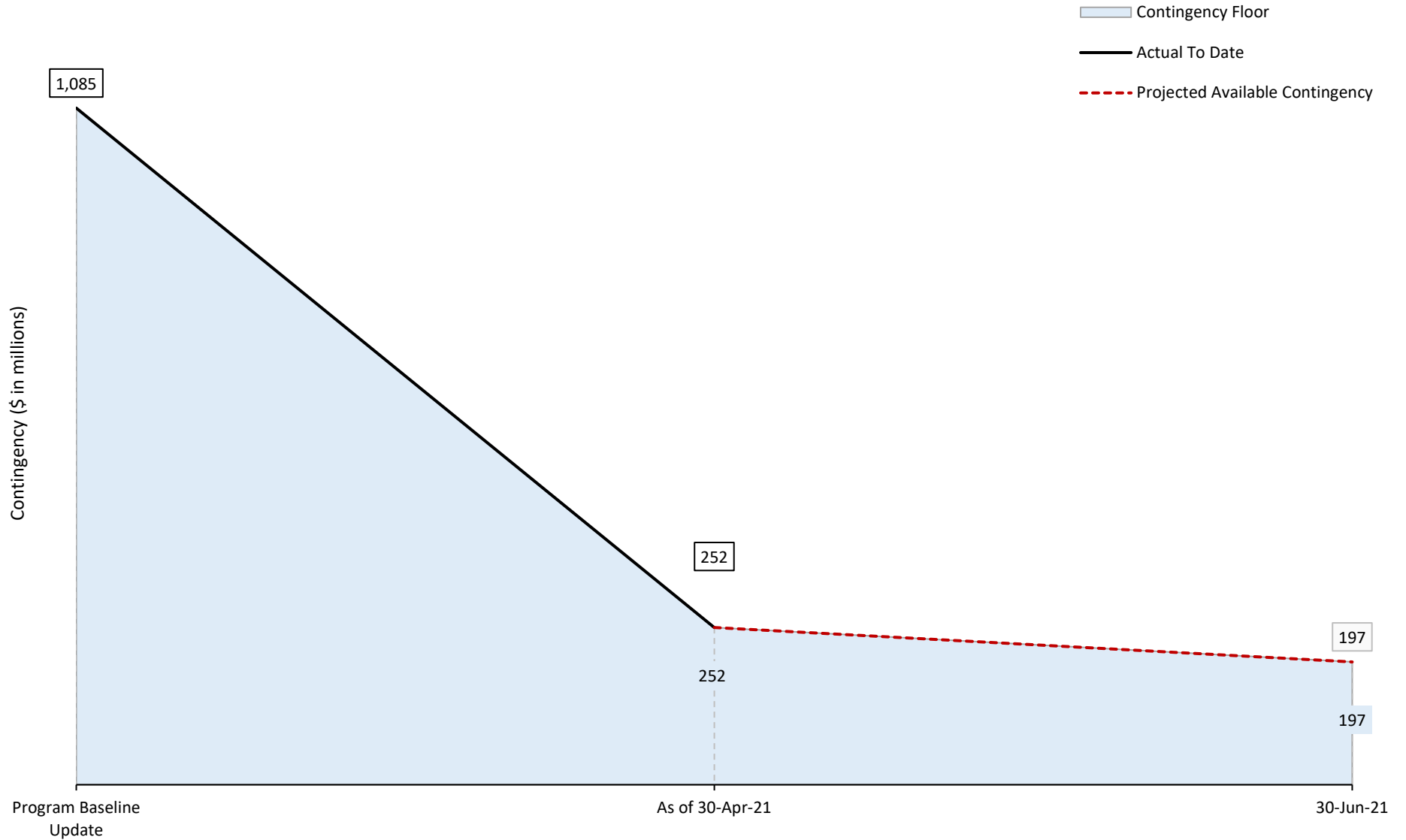
CP 2-3 – Executed Change Order Status

CP 2-3 – Executed Change Order Status

CO Number	Title	Change Status	Amount	Executed Date
00250.1	Kings County Water District (KCWD) – Improvements at Batti Basin	Executed	\$37,789	16-Apr-21
00239	Cross Creek Clearance	Executed	\$19,750	16-Apr-21
00197.1	BNSF Form B Delays	Executed	\$18,122	16-Apr-21
00197.3	BNSF Form B Delays	Executed	\$56,485	16-Apr-21
00250	Kings County Water District – Batti Basin Trash Racks	Executed	\$58,460	16-Apr-21
00024.20	Hazardous Materials – 9909 Ponderosa Rd	Executed	\$24,596	16-Apr-21
00243	Fresno County Design Exceptions / Betterments	Executed	\$438,757	16-Apr-21
00232	IPB Redesign to Eliminate Retaining Wall	Executed	\$842,934	16-Apr-21
00197.2	BNSF Form B Delays	Executed	\$31,232	20-Apr-21
Total:			\$1,528,125	

CP 2-3 – Risk - Contingency Report

CP 2-3 – Risk - Contingency Report

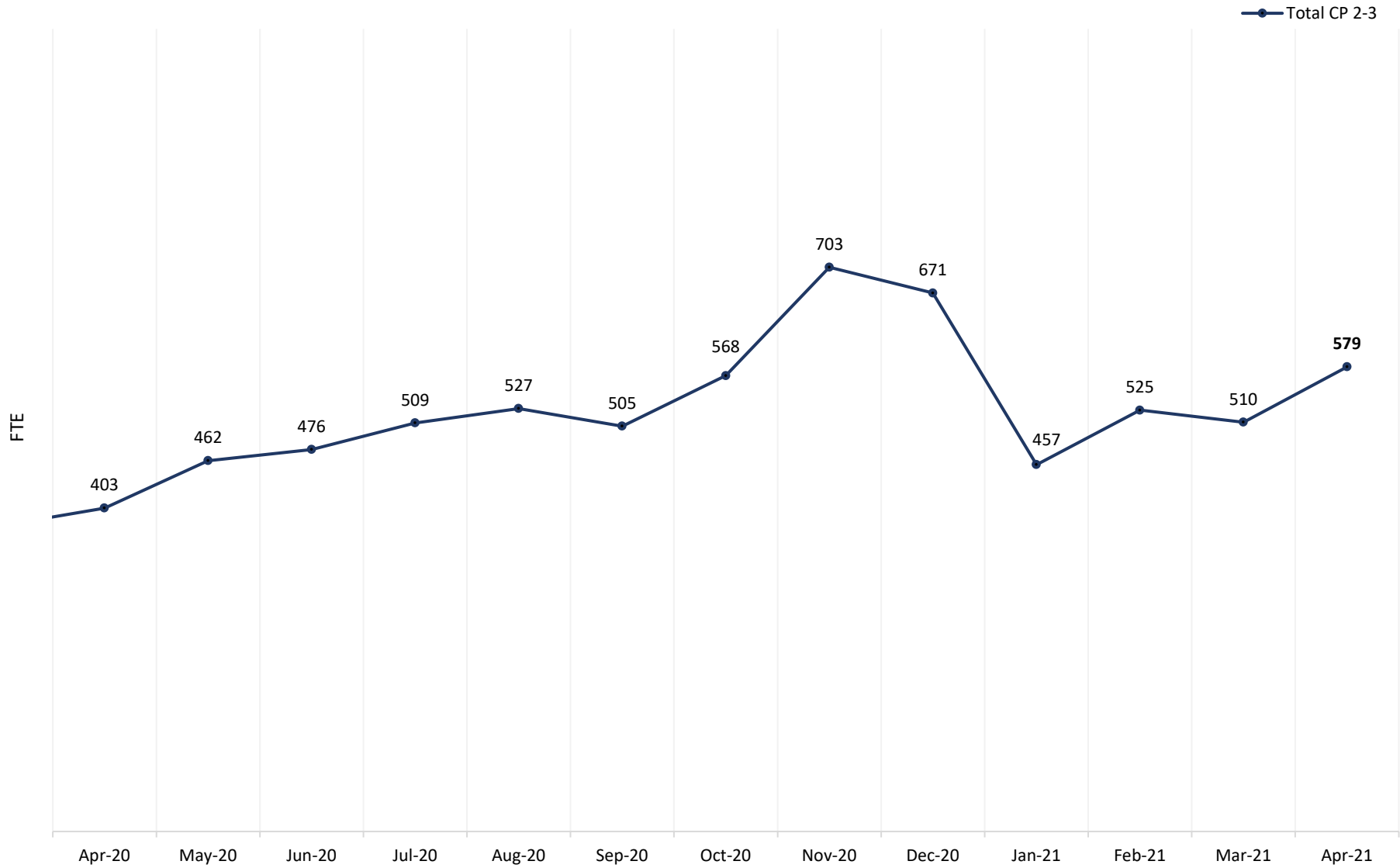


Notes:

1. The chart above remains at Revised Baseline Schedules (RBS) Revision 1 data.
2. The Program Baseline Update was presented to and accepted by the Board in May 2019. The adoption of the Program Baseline Update resulted in changes to contingency amounts. The contingency drawdown curve has been revised to reflect projected contingency amount for the entire CP 2-3 project through the completion of FY 2020-21.

CP 2-3 – Monthly Construction Workforce Total

CP 2-3 – Monthly Construction Workforce Total – Actual

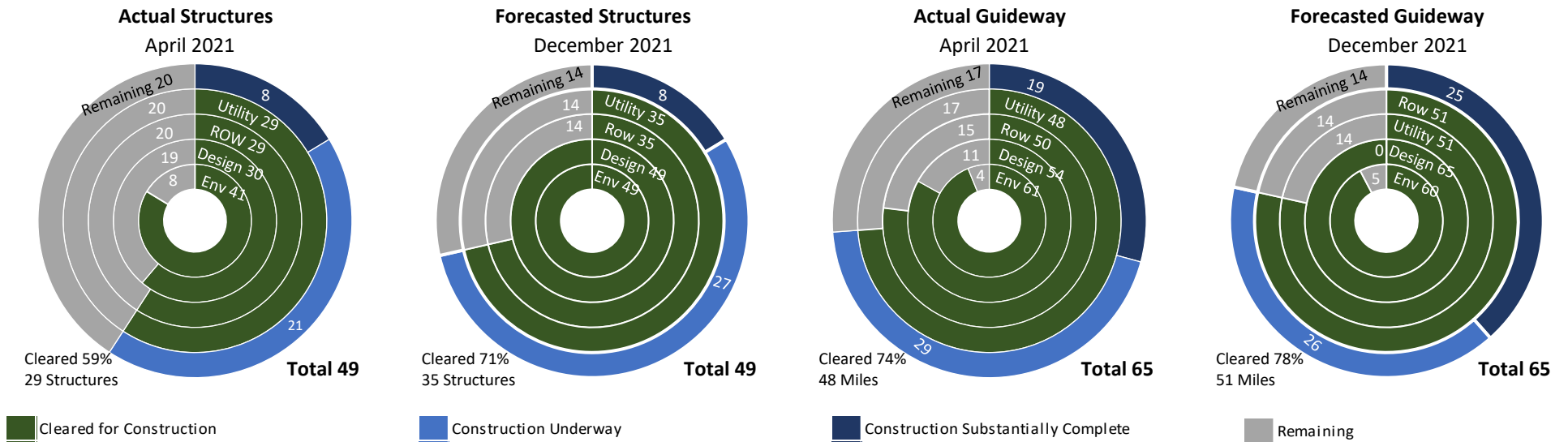


Notes:

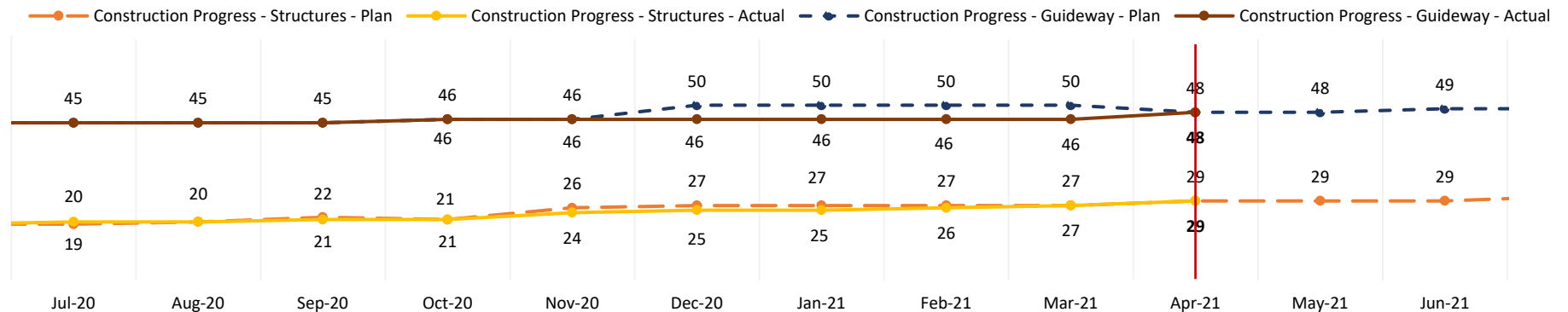
1. The construction labor numbers (full-time employees) are based on the working calendar month.
2. The data represents the overall total on a per working calendar month average status.

CP 2-3 – Construction Progress

CP 2-3 – Construction Progress



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



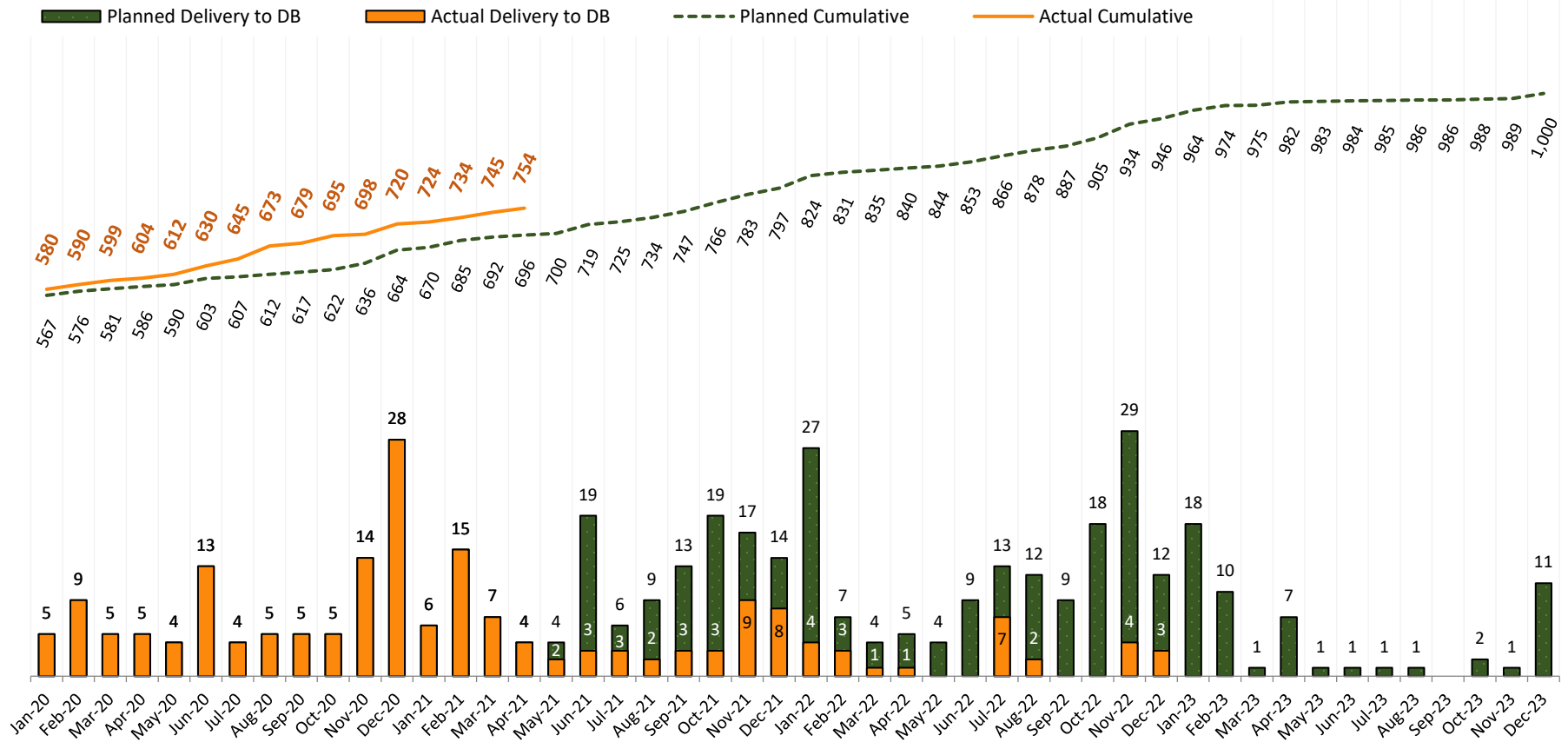
Notes:

1. The chart above incorporates Revised Baseline Schedules (RBS) Revision 2 data.
2. Total Structures: 49 each.
3. Total Guideway: 65 miles.
4. 29 structures underway/substantially complete.
5. 48 miles underway/substantially complete.

CP 2-3 – Right-of-Way (ROW) Summary

Construction Package	Total Needed Parcels April 30, 2021	Total Parcels Delivered to Date April 30, 2021	Remaining Parcels to be Delivered April 30, 2021
CP 2-3	1,000	754	246

CP 2-3 – Parcel Delivery to DB Summary



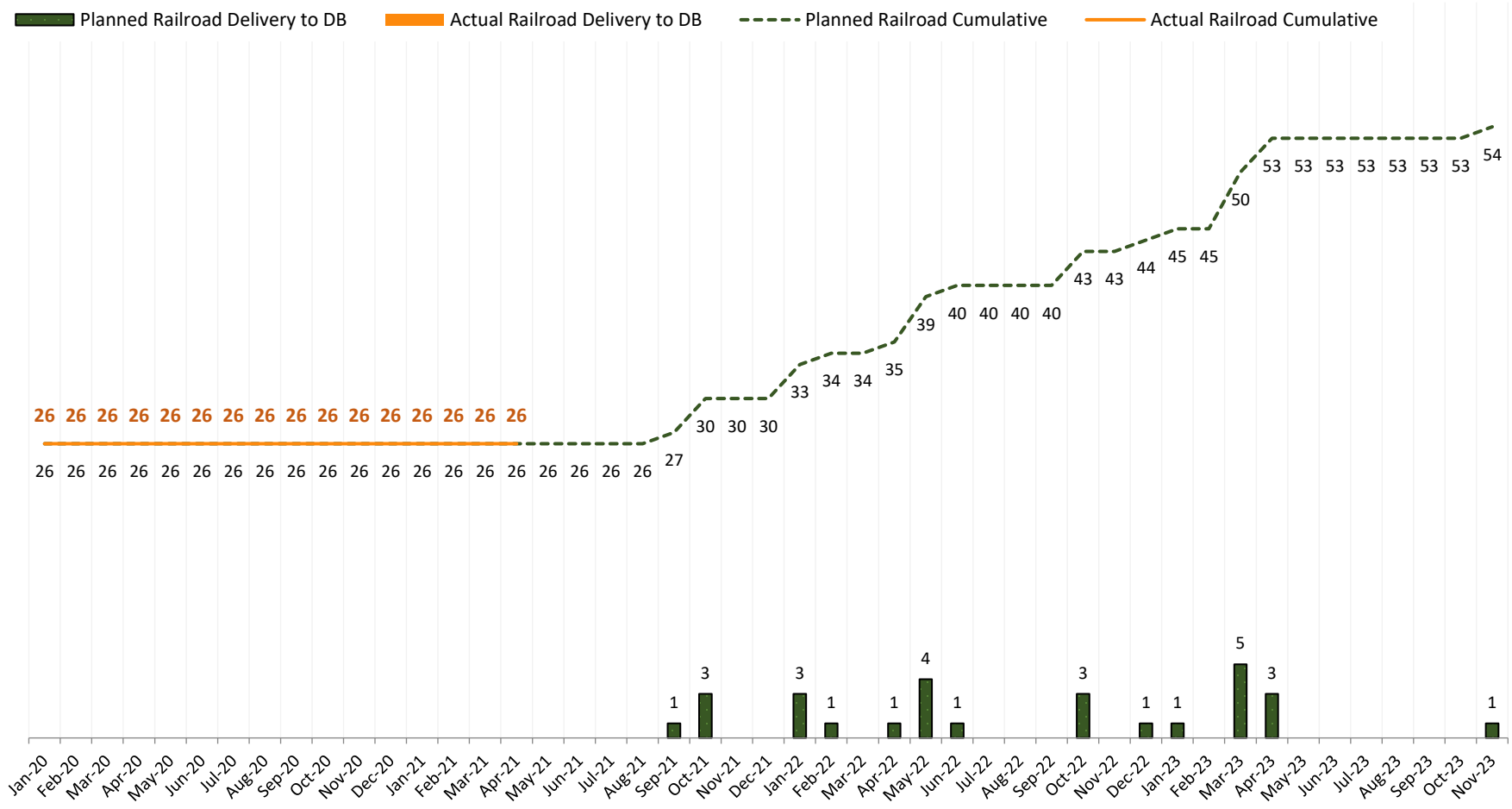
Notes:

1. This reflects the current Revised Baseline Schedules (RBS) Revision 2 for CP 2-3.
2. Actual cumulative line for April 2021 reflects delivered parcels that are forecasted in future months.

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

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

CP 2-3 – Railroad Parcel Delivery to DB Summary



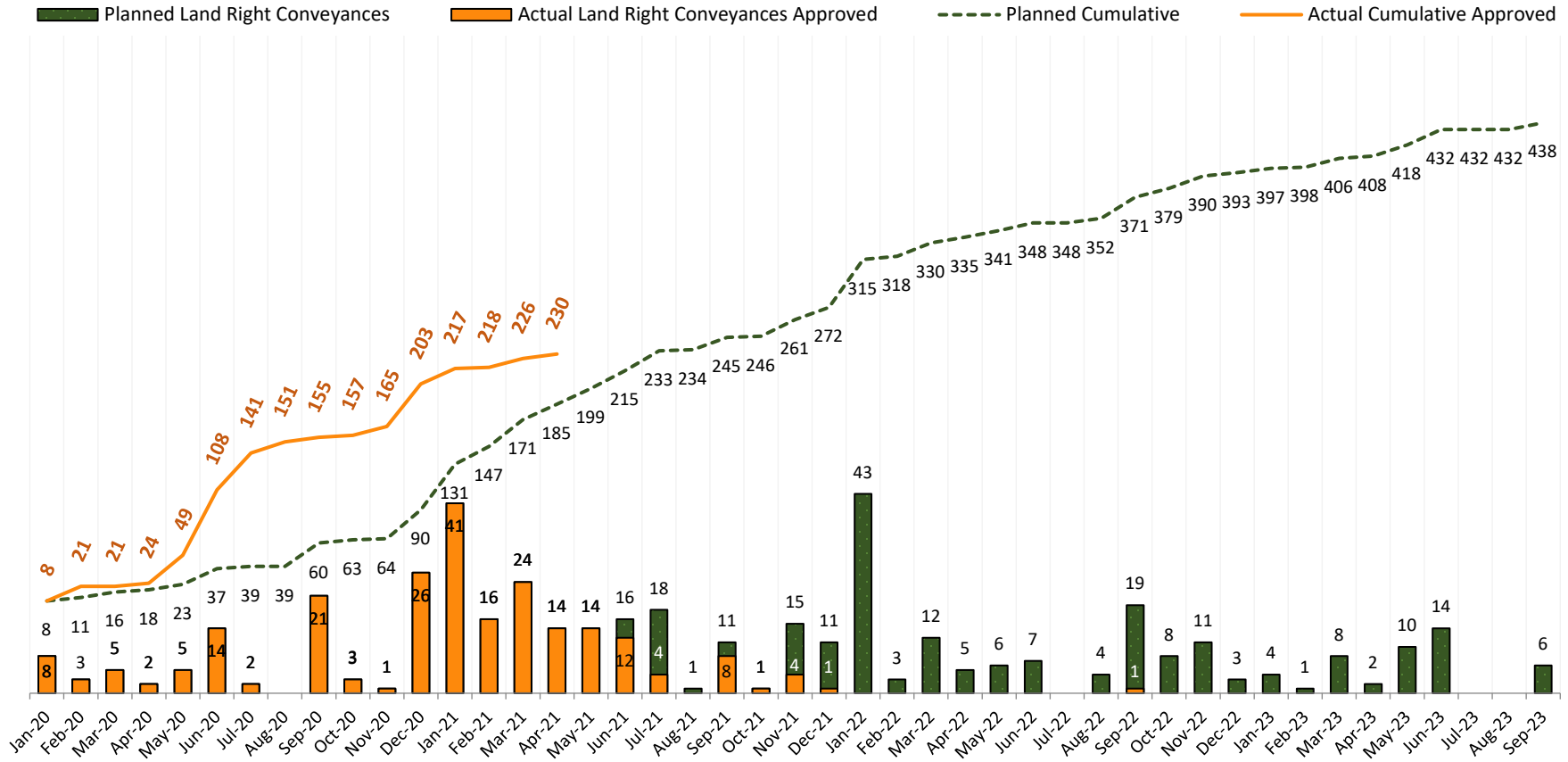
Notes:

1. This reflects the current Railroad Revised Baseline Schedules (RBS) Revision 2 for CP 2-3.
2. One Railroad parcel removed due to design refinement.

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 April 30, 2021	Total Land Right Conveyances Approved ⁽⁴⁾ to Date April 30, 2021	Remaining Land Right Conveyances to be Approved April 30, 2021
CP 2-3	438	230	208

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 April 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 4 (CP 4) OVERVIEW⁽¹⁾

CP 4 – Design-Build Contract Summary⁽²⁾

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
Current Forecast Substantial Completion Date⁽³⁾:	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:	\$195,003,104.95
Current Contract Amount:	\$639,250,104.95
Approved Invoices to Date:	\$438,308,606.00
Remaining Contract Balance:	\$200,941,498.95

Time Status

Description	Duration ⁽⁴⁾
Original Contract Days:	1,144
Extension of Time Awarded:	990
Current Forecast Contract Days:	2,134
Work Days Spent (thru 04/30/2021):	1,841

Expended to Date

Description	Percentage
Time:	86.3%
Dollars:	68.6%

Growth Percentage

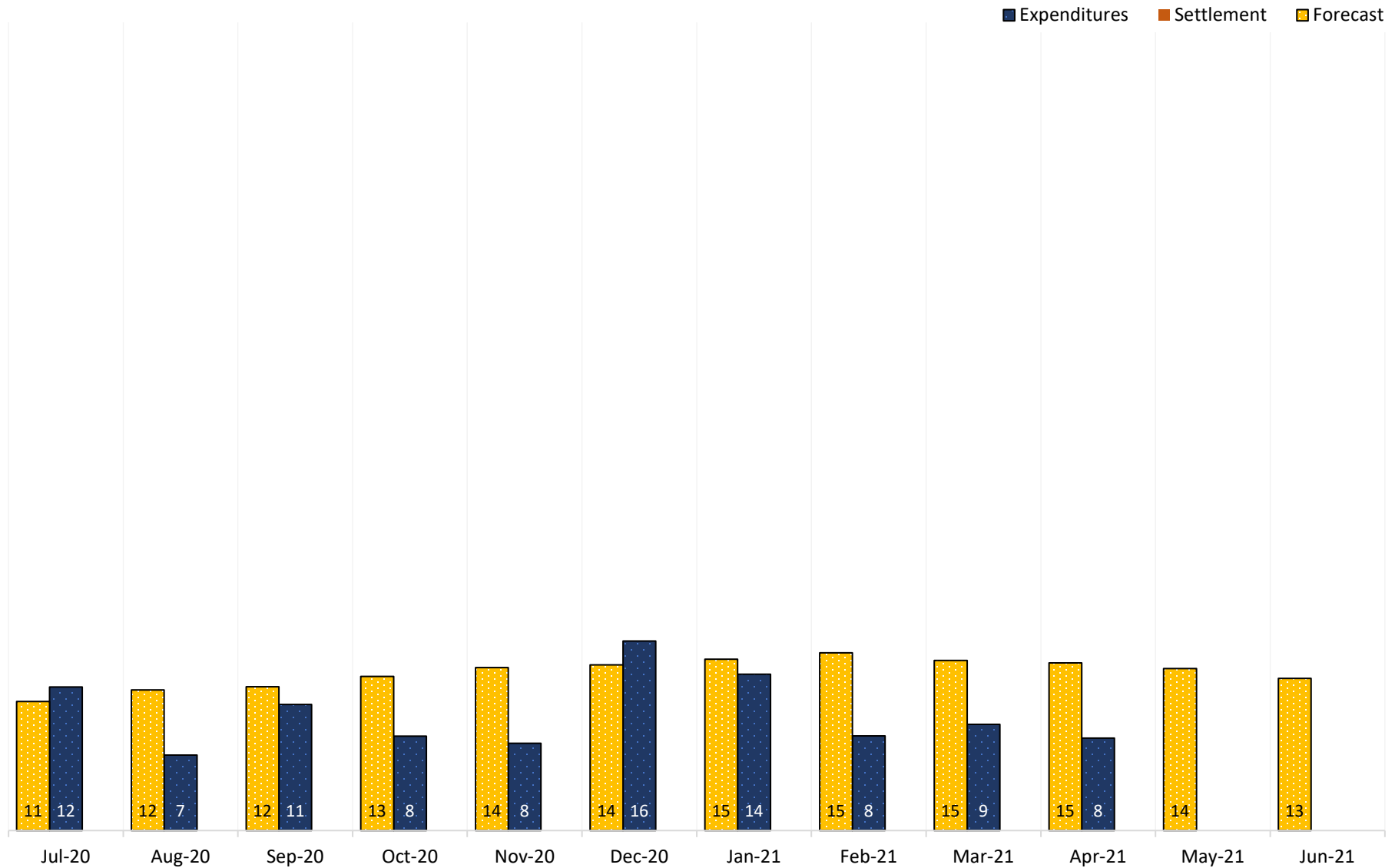
Description	Percentage
Time:	86.5%
Dollars:	43.9%

Notes:

- Information in this section is coming from data provided by the Project and Construction Management (PCM) – Monthly Status Report.
- The tables 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.
- Calendar Days.

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 PCM certified invoice and do not include accrual adjustments.
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.

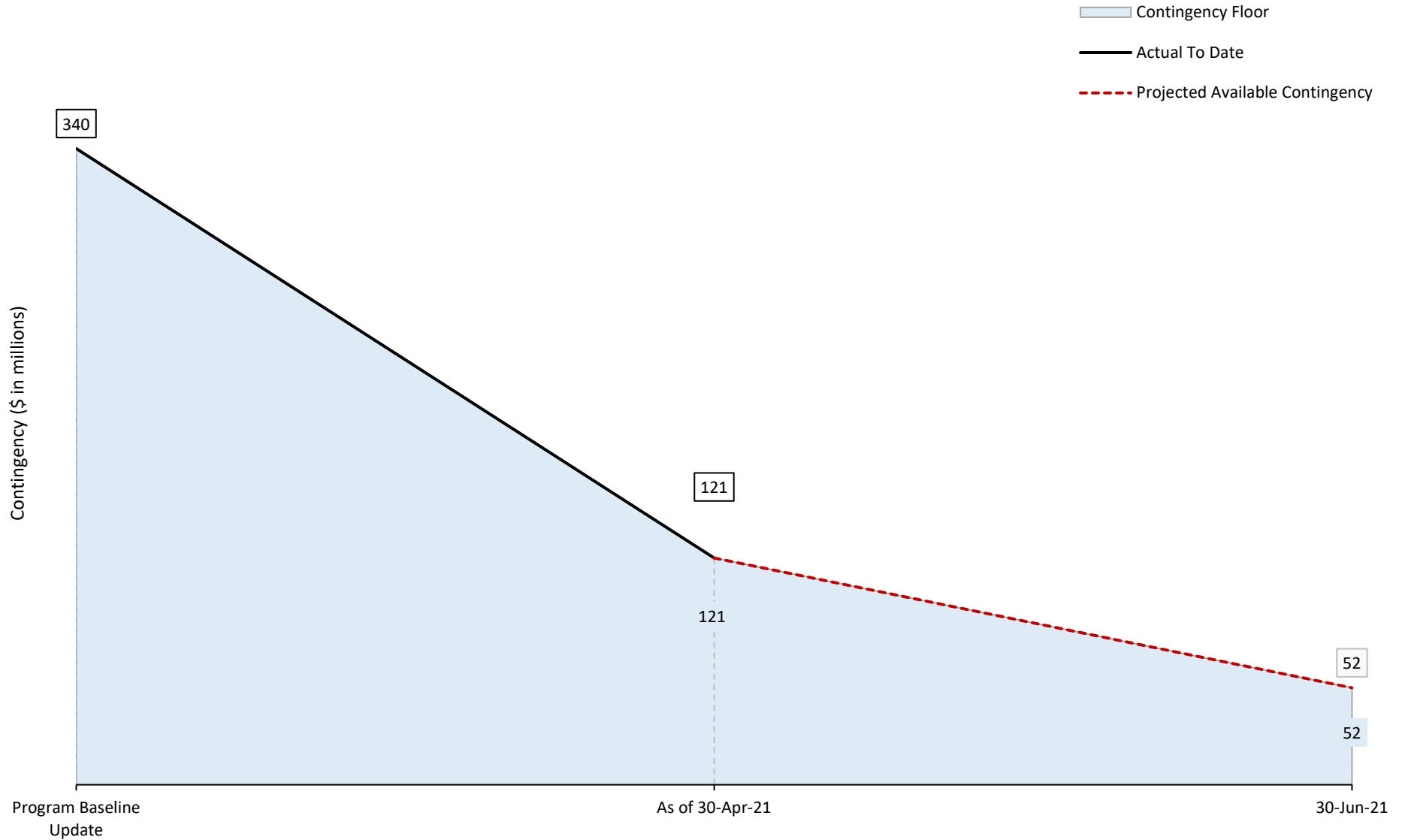
CP 4 – Executed Change Order Status

CP 4 – Executed Change Order Status

CO Number	Title	Change Status	Amount	Executed Date
	None		\$0.00	
Total:			\$0.00	

CP 4 – Risk - Contingency Report

CP 4 – Risk - Contingency Report

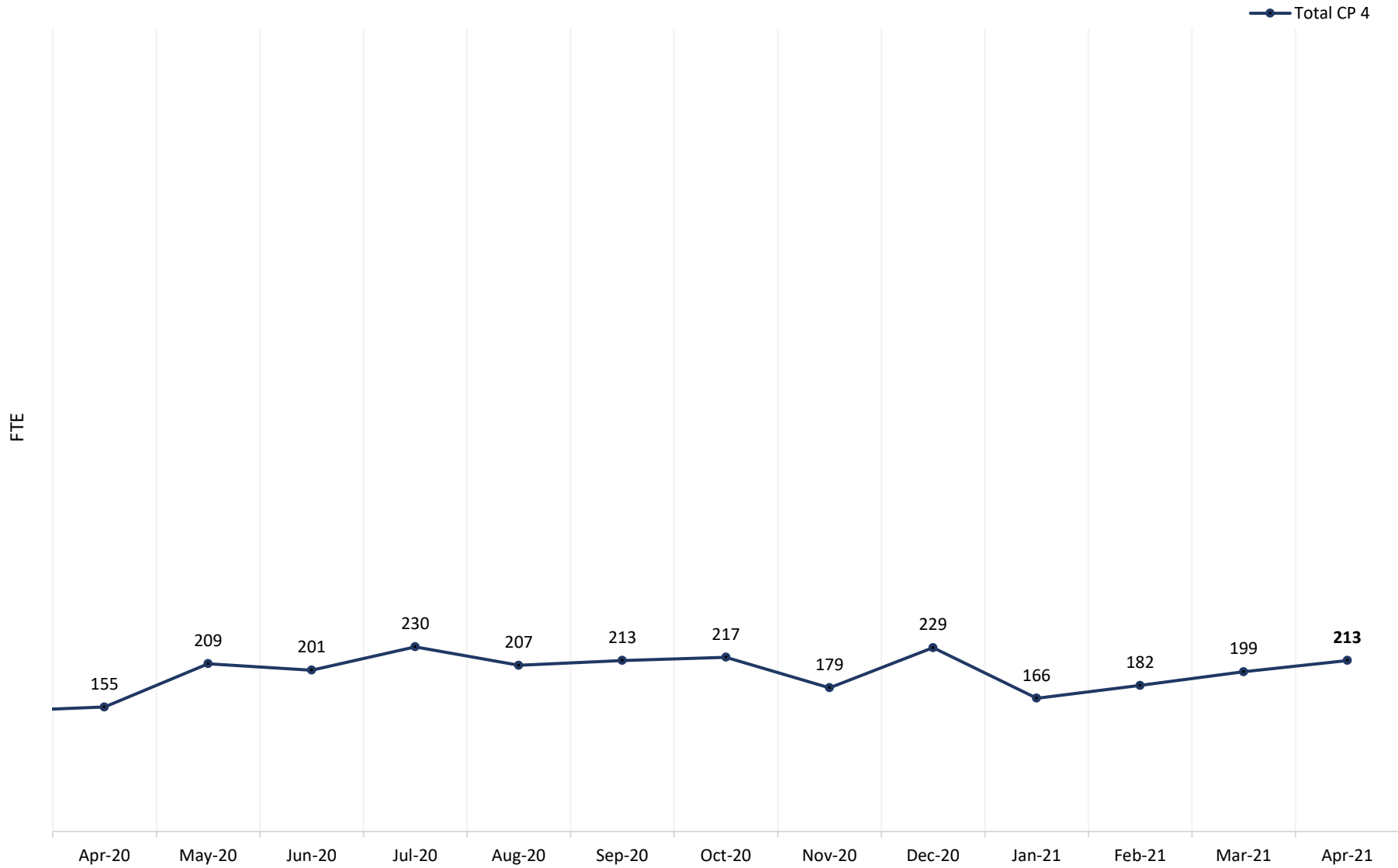


Notes:

1. The chart above remains at Revised Baseline Schedules (RBS) Revision 1 data.
2. The Program Baseline Update was presented to and accepted by the Board in May 2019. The adoption of the Program Baseline Update resulted in changes to contingency amounts. The contingency drawdown curve has been revised to reflect projected contingency amount for the entire CP 4 project through the completion of FY 2020-21.

CP 4 – Monthly Construction Workforce Total

CP 4 – Monthly Construction Workforce Total – Actual

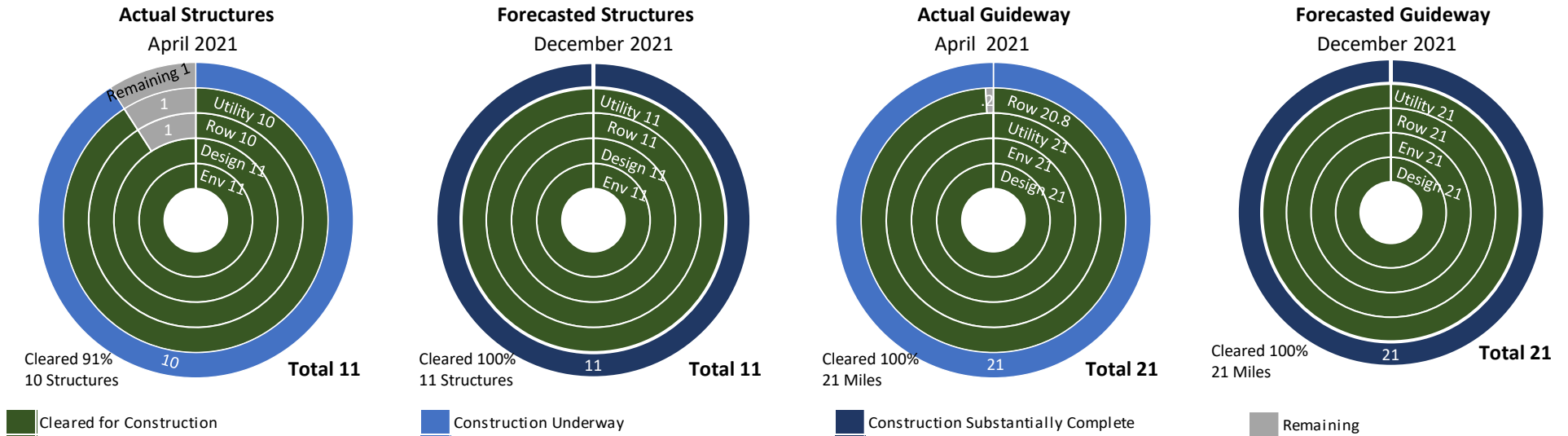


Notes:

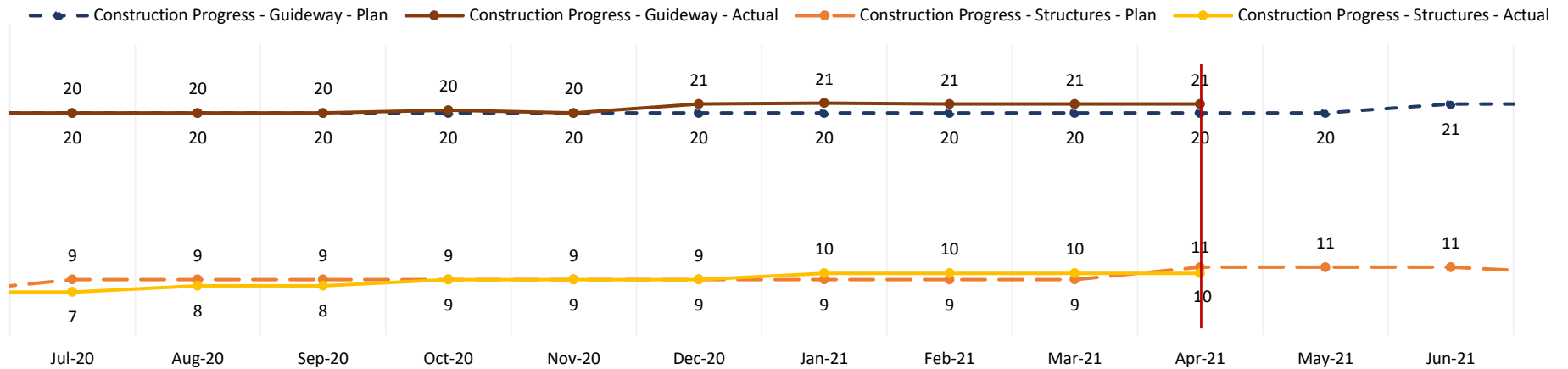
1. The construction labor numbers (full-time employees) are based on the working calendar month.
2. June 2020's total was overstated (225) and has been corrected to 201.
3. The data represents the overall total on a per working calendar month average status.

CP 4 – Construction Progress

CP 4 – Construction Progress



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



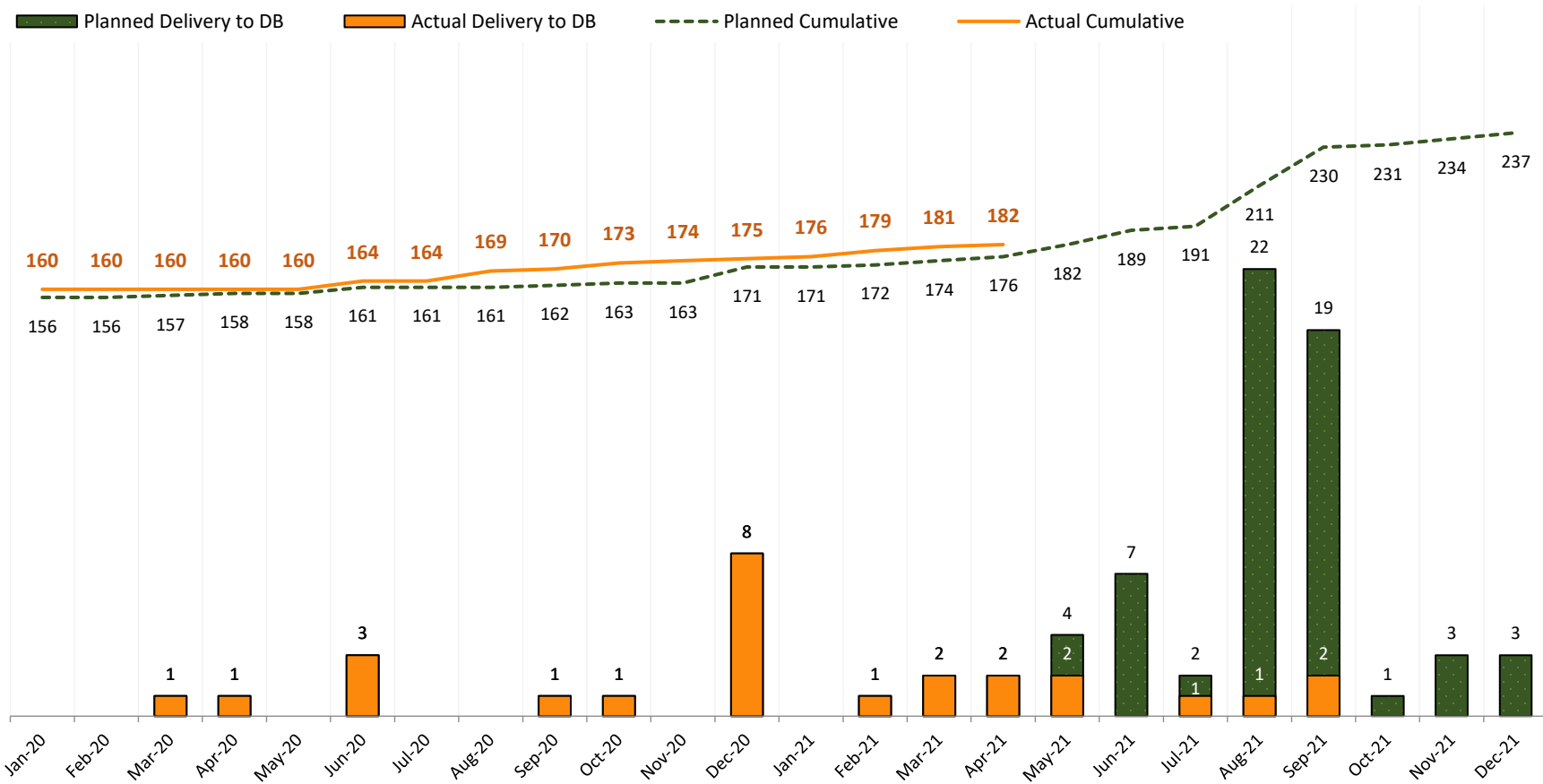
Notes:

1. The chart above incorporates Revised Baseline Schedules (RBS) Revision 2 data.
2. Total Structures: 11 structures.
3. Total Guideway: 21 miles.
4. 10 structures underway/substantially complete.
5. 21 miles underway/substantially complete.

CP 4 – Right-of-Way (ROW) Summary

Construction Package	Total Needed Parcels April 30, 2021	Total Parcels Delivered to Date April 30, 2021	Remaining Parcels to be Delivered April 30, 2021
CP 4	237	182	55

CP 4 – Parcel Delivery to DB Summary



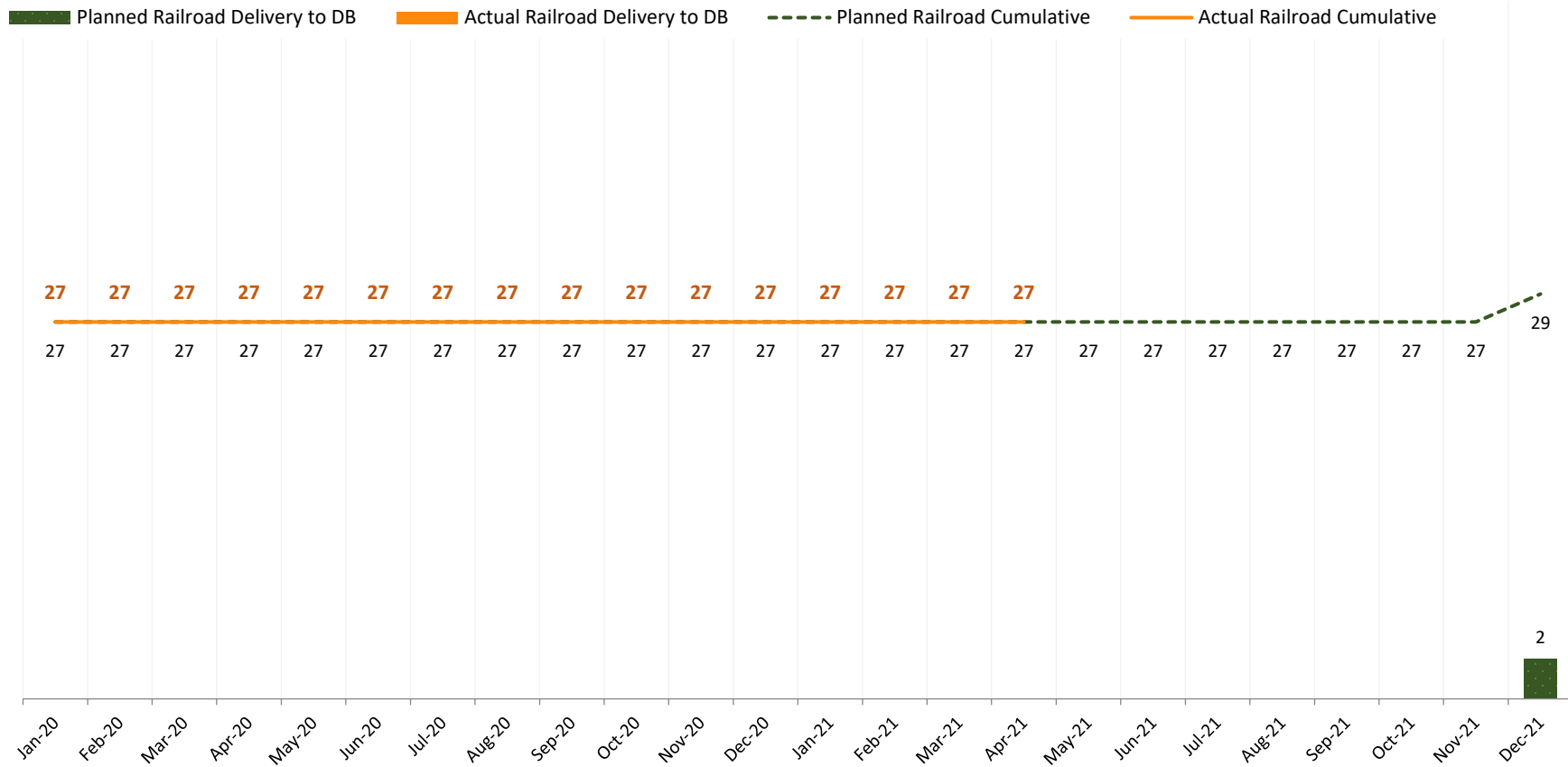
Notes:

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

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

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

CP 4 – Railroad Parcel Delivery to DB Summary

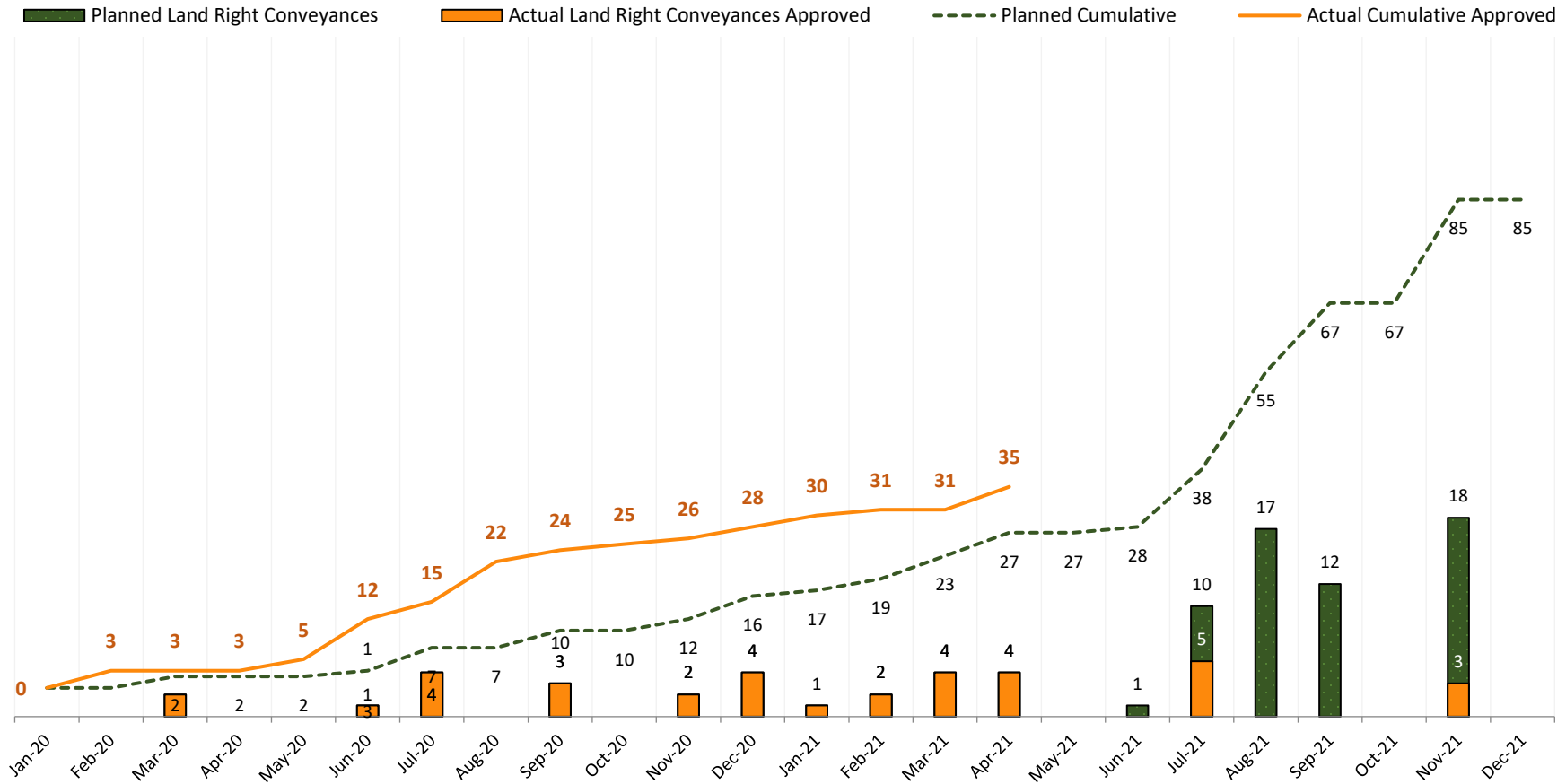


- Notes:**
1. This reflects the current Railroad Revised Baseline Schedules (RBS) Revision 2 for CP 4.

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

Construction Package	Total Needed Land Right Conveyances April 30, 2021	Total Land Right Conveyances Approved ⁽⁴⁾ to Date April 30, 2021	Remaining Land Right Conveyances to be Approved April 30, 2021
CP 4	85	35	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 April 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. 13 Tier 1 Land Right Conveyances no longer required prior to construction CP 4.

Project Development Schedule – Record of Decision (ROD)

Project Development Schedule (to ROD)

Program Priority	Segment	Progress	Complete Purpose & Need Statement		Complete Alternatives Analysis		Board Concurrence of Preliminary Preferred Alt. Draft EIR/EIS		Publish Draft EIR/EIS		Publish Final EIS & 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-21 Mar-22 44%	Jun-21 Mar-22 ¹ 49%	Mar-22	Mar-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%	Apr-21 Jan-22 52%	Apr-21 Jan-22 ² 56%	Jan-22	Jan-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%	Nov-20 Feb-22 93%	Nov-20 Feb-22 ³ 94%	Dec-21 Mar-23 0%	Dec-21 Mar-23 ³ 0%	Mar-23	Mar-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%	Jan-21 Aug-21 70%	Jan-21 Sep-21 ⁴ 73%	Aug-21	Sep-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%	Feb-20 Sep-21 71%	Feb-20 Sep-21 ⁵ 75%	Aug-21 Oct-22 0%	Aug-21 Oct-22 ⁵ 0%	Oct-22	Oct-22
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%	Feb-21 Jun-21 84%	Feb-21 Jun-21 ⁶ 86%	Jun-21	Jun-21
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:

- Cumulative nine-month delay due to changes in document requirements and environmental process, receipt of substantial comments on Draft EIR/EIS, preparation of Revised Draft EIR/Supplemental Draft EIS, and program-wide resolution of resource constraints.
- Cumulative nine-month delay due to changes in document requirements and environmental process, receipt of substantial comments on Draft EIR/EIS, preparation of expanded Revised Draft EIR/Supplemental Draft EIS, and program-wide resolution of resource constraints.
- Fifteen-month delay due to late submittal of BNSF environmental deliverables, time required to reach concurrence with BNSF on design issues, and full incorporation of a modified V30 Legal and Environmental Review Process.
- Eight-month delay due to extension of Draft EIR/EIS public comment period, late submittal of cooperating agency comments, remediation time to meet WCAG, internal reviews and resource constraints.
- Publication of draft corrected to address delay due to additional consultation with the U.S. Army Corps of Engineers (USACE) and U.S. Environmental Protection Agency (EPA). Fifteen-month delay in delivery of ROD because of additional design and analysis for developing the avoidance alternative at Una Lake, to provide additional review by National Environmental Policy Act (NEPA) Assignment Team before CEO signature, incorporate internal resource constraints, remove the Palmdale subsection, and a reassessment of the end date of Step 6. (Mitigations for minimizing delays are being evaluated.) The Draft EIR/EIS publication will need to follow the B-P ROD and schedule has been revised to accommodate B-P ROD approval.
- Three-month delay due to design revision to accommodate Cesar Chavez National Monument (CCNM), delayed agency comments on Administrative Final EIR/EIS, and full incorporation of a modified V30 Legal and Environmental Review Process. Additional two-month delay to produce a focused recirculation of the Draft EIR/EIS to incorporate the change in species status for the monarch butterfly and mountain lion.

Project Development – Key Actions

In April 2021, the Authority continued responding to comments and preparing San Francisco to San Jose and San Jose to Merced RDEIR/SDEIS and Administrative Final EIR/EIS; published the San Jose to Merced RDEIR/SDEIS for a 45-day public comment period; submitted the second revised Bakersfield to Palmdale Final EIR/EISS for review by Legal, ES, and NAT; and actively monitored public comments received on the RDEIR/SDEIS; continued preparing responses to comments received on the Cooperative Agency review of the Palmdale to Burbank Administrative Draft EIR/EIS; continued the Cooperating and Responsible Agency review of the Burbank to Los Angeles Administrative Final EIR/EIS; and continued ES/NAT rolling review of available chapters and technical reports for the Los Angeles to Anaheim Administrative Draft EIR/EIS.

Project Development – Key Actions Summary

Project Section	Key Actions
San Francisco to San Jose	<ul style="list-style-type: none"> Initiated sequential reviews by ES, NAT, and Legal of approximately 1,700 individual responses to public comments on Draft EIR/EIS. Batch 1 was delivered for review on April 16, 2021. Administrative Draft RDEIR/SDEIS was submitted for internal review on April 2. Preparing for 45-day public circulation in June 2021. June 7, 2021 Update: We have confirmed a 4-week delay on the Final EIR/EIS schedule (March 2022 to April 2022) due to greater # of HSRA review comments and future Millbrae Station Reduced Plan (MSRP) baseline concerns associated with the Millbrae Station Reduced Plan (MSRP) recirculation (RDEIS/SDEIS).
San Jose to Merced	<ul style="list-style-type: none"> Published the RDEIR/SDEIS on April 23 for a 45-day public review ending June 9, 2021. ES, NAT and Legal have completed review of responses to comments, and the EEC is revising the Administrative Final EIR/EIS for submittal to Cooperating and Responsible Agencies in June 2021. Program-wide guidance for OCS bird electrocution avoidance configuration (BEAC) is being finalized based on USFWS and CDFW agency comments.
Central Valley Wye	<ul style="list-style-type: none"> Advanced agreements with County of Madera, City of Chowchilla and Fairmead Community and Friends (FCF) for implementation of EJ mitigation measures. Anticipate completion of agreements prior to end of tolling agreement next month. Tolling Agreements in place until May-21 with Madera County, FCF, City of Chowchilla and City of Madera. Permitting for the Central Valley Wye will progress following Board action on the Merced and Bakersfield extensions.
Locally Generated Alternative	<ul style="list-style-type: none"> Permitting for the Locally Generated Alternative will progress following Board action on the Merced and Bakersfield extensions.
Bakersfield to Palmdale	<ul style="list-style-type: none"> Completed remediation on the Final Record Set, initiated remediation on the Palmdale subsection Record Set. Facilitated two workshops on FEIR/S to review and approve final changes. Actively monitored the submission of public comments on the RDEIR/SDEIS through April 12 (the end of the public comment period); initiated comment responses on the 120 comments (310 delimited comments) received and held two comment triage workshops. MOA was signed by HSR CEO and was submitted to consulting parties for signature; currently awaiting SHPO's signature. Final draft Biological Opinion was submitted to USFWS. Continued to advance Section 106, Section 7 and other permitting activities related to ROD. June 7, 2021 Update: Board Approval Meeting for this section was moved from June 30, 2021 to August 18-19, 2021 to enable comment response finalization and GCD posting.

<p>Palmdale to Burbank</p>	<ul style="list-style-type: none"> Continued to prepare responses to comments received from NAT & the Cooperative Agency Review of the Administrative Draft EIR/EIS and making progress on removing content/analysis related to the Palmdale subsection in the Draft EIR/EIS. Completed the 2021 Record Set Addendum (for A Alternatives: SR-14A, E1A, and E2A). HSR and RC continue working on Checkpoint C (e.g., coordination of rolling revisions between permitting, legal, and the RC; workshops regarding rolling comments). Held ‘touch-point’ meeting to assess the progress made on responding to the outstanding comments on the Draft EIR/EIS & discuss the plan on delivering a quality submittal (June 18).
<p>Burbank to Los Angeles</p>	<ul style="list-style-type: none"> Released the Administrative Final EIR/EIS to Cooperating and Responsible Agencies for review on March 31, 2021. The review period ended on April 30, 2021; FAA was given an extension to provide comments until May 18, 2021. Continued work on design refinements including the Main Street grade separation and relocation of extraction wells. June 7, 2021 Update: The schedule to deliver the Final EIR/EIS has shifted six weeks (September 2021 to November 2021) to incorporate a decision to retain Progressive Maintenance functions at Metrolink’s Central Maintenance Facility instead of the planned movement to their Eastern Maintenance Facility.
<p>Los Angeles to Anaheim</p>	<ul style="list-style-type: none"> ES and NAT continued a rolling review of available chapters and technical reports for the assembled Administrative Draft EIR/EIS. Continued integrating additional revised environmental deliverables from BNSF pertaining to the Colton and Lenwood project components into the LA-A assembled Administrative Draft EIR/EIS. Continued draft PEPD reviews with external stakeholders.