



Finance & Audit Committee

CENTRAL VALLEY STATUS REPORT

June 2020 Report (data through April 2020)

Executive Summary

Overall

- The Central Valley Status Report (CVSR) projections will be updated with the finalization of the Revised Baseline Schedules (RBS).
- Total contractor invoices were hampered by two-weeks of inclement weather and the start of the COVID-19 protocols for the Central Valley Construction Packages (CPs) which totaled \$60M, an increase of \$3M from April 2020's projection of \$57M. Upon comparing the individual CP's, CP 2-3 exceeded their forecast by \$11M, while CP 1 was short of their forecast by \$3M and CP 4 were slightly under their forecast target by \$5M for April. May 2020's expenditures are estimated at \$58M.
- Construction labor for the four CPs averaged 750 workers during the month of April. The Central Valley continued construction in the field, while also respecting local and state requirements related to COVID-19 and social distancing measures. As progress continues, the construction teams continue to follow the Centers for Disease Control and Prevention (CDC) and Occupational Safety and Health Administration's (OSHA) increased safety protocols and guidelines.
- Overcoming the beginning of the month with rainy days and the COVID-19 impact, the guideway miles and structure construction remained steady and constant with last period's report of 78 miles and 41 structures.
- Approximately \$4B is currently under contract for CPs 1-4, with \$6B required to be under contract to fulfill the American Recovery and Reinvestment Act (ARRA) grant terms. The total of \$6B includes the scope of work for track within the Track and Systems contract, as well as the major CP 1-4 scope additions identified within the contingency for each CP.

Construction Package 1

- The contractor invoiced \$15M, compared to the \$18M that was projected.
- Seven structures have been built, 10 structures are underway; two miles of guideway are complete, and 11 miles of guideway are available for construction.
- Acquired 11 of the required 14 ITPs. The remaining ITPs will be acquired by the end of the third quarter of 2020.
- The increase in Land Rights Conveyances and Right-of-Way (ROW) acquisitions in the month has enabled the start of work in three new locations: the MID Lateral 6.2, the Downtown Fresno Viaduct and the Golden State Boulevard Bridge.
- Four locations (storm drain at Kern and Inyo; water line at Cornelia; gas at Mono; and electric at Road 27) have opened in April 2020.
- Tutor Perini/Zachry/Parsons (TPZP) will implement 25 design solutions that will remove the need for design variances from third parties and additional ROW parcels.
- The proposed Mitigated Revised Baseline Schedule (RBS) has been received from TPZP and is currently under review with a projected acceptance scheduled for May 2020.

Construction Package 2-3

- The contractor invoiced \$35M, compared to the \$24M that was projected.
- Seventeen structures are underway; 19 miles of guideway are substantially complete, and work is underway on 26 miles of guideway, totaling 45 miles of guideway available for construction.
- Acquired seven of the required nine ITPs. The remaining ITPs will be acquired by the end of the second quarter of 2020.
- Out of the total 79 third-party agreements, 70 have been executed and the remaining nine are in process or in negotiations. The PCM will conclude maintenance agreements for Type 2 structures (grade separations over highways) as they are completed.
- Bridge construction is progressing at 17 locations; this work includes demolition, earthwork, utility relocations and structure construction.
- Twenty of the 87 utility relocations are complete, and civil work is underway at 24 locations.
- Agreement reached with Fresno County on Adams Avenue closure. Bridge construction to start in July.
- Utility relocations at 10+ sites will open two structures at Fowler Avenue and Dover Avenue.
- Bridge construction at Peach Avenue and work at Davis Avenue have been delayed due to the COVID-19 impact.
- The PCM is working with the design-build contractor to expedite approvals on the outstanding design packages.
- The Authority is working closely with DFJV in concluding the proposed Mitigated Revised Baseline Schedule (RBS), which is expected to wrap up in May 2020.

Construction Package 4

- Total contractor invoices were hampered by two-weeks of inclement weather and the start of the COVID-19 protocols, which invoiced at \$10M, slightly under target from the \$15M that was projected.
- Seven structures are underway; 20 miles of guideway are now available for construction.
- 100% of the main design is complete. One structure is being redesigned to overcome a utility conflict and will be finished within the first quarter of 2020.
- Acquired 10 out of the required 12 ITPs; the remaining ITPs are projected to be acquired within the second quarter of 2020.
- Bridge construction is progressing at seven locations. Demolition work of the Certis buildings has been completed.
- 85% of the guideway embankment is substantially complete.
- Completed Bent 4 columns at McCombs Avenue overpass and completed the drilled shafts at Kimberlina UPRR Abutment 1.
- Work started on the Intrusion Protection Barrier (IPB) between McCombs Avenue and SR-46.
- The proposed Unmitigated and Mitigated Revised Baseline Schedule (RBS) was conditionally accepted at the end of March 2020. The Authority is formalizing its cost and time evaluation which is expected to wrap up in May 2020.

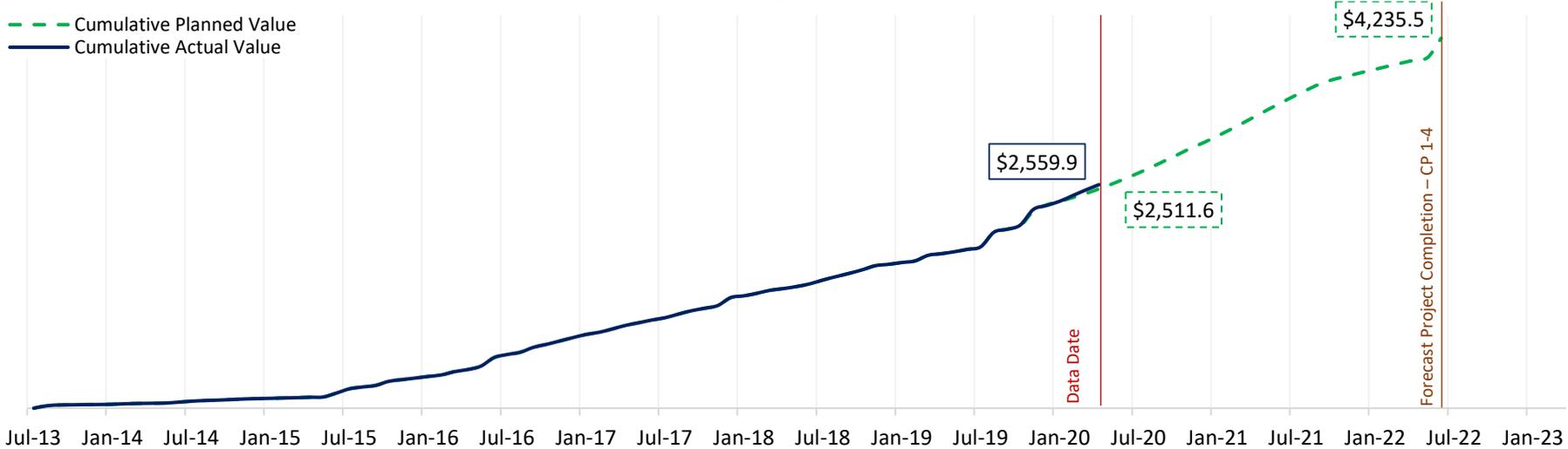
Real Property (Right-of-Way)

- Production through April 30, 2020 includes the following:
 - Delivered to Design-Builder (DB) – Delivered six parcels, and zero delinquent critical parcels. Delivered seven railroad parcels.
 - Land Rights Conveyances – Received approval on 13 land rights conveyances, and zero delinquent critical land conveyances.
- On May 6, 2020, the Authority partnered with Pacific Gas and Electric Company (PG&E) and successfully executed a letter agreement (Agreement) to adjust the timing of land conveyances. The Agreement reduces approximately 2/3's of the total Tier 1 land conveyance rights needed prior to construction.
- In addition, the Agreement alleviates the principal risk to the critical path for construction in CP 1-4. For six months, the Authority no longer has to provide land conveyances prior to construction for certain PG&E distribution facilities, but rather 180 days post-construction. This will result in critical Type 1 and Type 2 structures opening up for construction.
- Real property is re-assessing lean six sigma principles to improve, refine, and streamline ROW processes.

Infrastructure Delivery Overview – 119-mile Central Valley Segment Construction Packages 1-4 (CP 1-4)

CP 1-4 – Earned Value

CP 1-4 – Planned vs. Actual Expenditures from Contract Award Through Contract Completion (\$ Millions)



The chart above shows historical expenditures from the award of the first construction package through April 30, 2020. The planned values from January 2020 to December 2022 are based on the Proposed Schedules developed for all the construction packages as of January 2020. The completion value (\$4B) is based on the current contract values of the construction packages and does not include SR-99. This value does not include change orders that are yet to be executed. It is anticipated that the total current contractual value \$4B will be expended by end of June 2022.

CP 1-4 – Projected Milestones

Milestone	Date
01. CP 1 Main Design Complete	Jun-20 ¹
02. CP 1 ROW Acquisition Complete	Nov-20
03. CP 1 Environmental Clearance Complete	Jun-20 ³
04. CP 1 Utility Relocation Complete	Mar-21

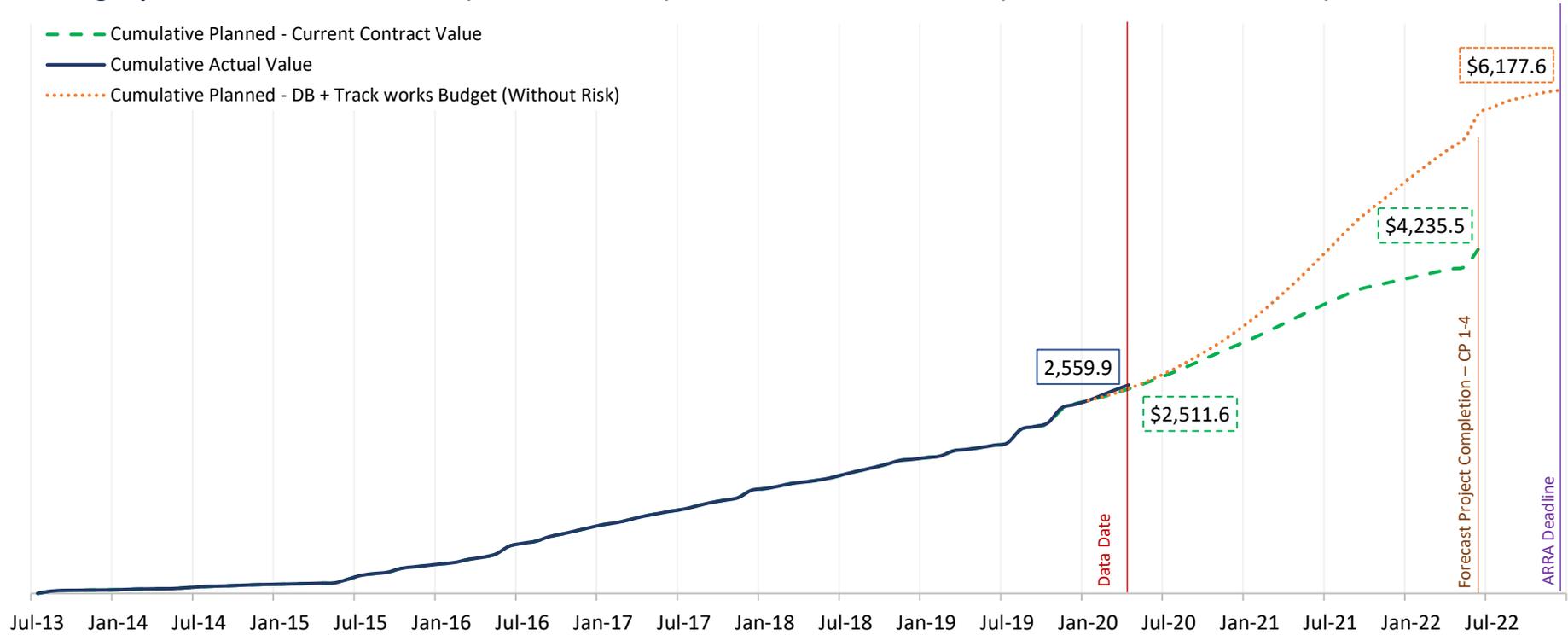
Milestone	Date
05. CP 2-3 Main Design Complete	May-20
06. CP 2-3 ROW Acquisition Complete	Jan-21 ²
07. CP 2-3 Environmental Clearance Complete	May-20
08. CP 2-3 Utility Relocation Complete	Mar-21

Milestone	Date
09. CP 4 Main Design Complete	Feb-20 (Complete)
10. CP 4 ROW Acquisition Complete	Dec-20
11. CP 4 Environmental Clearance Complete	Jul-20 ⁴
12. CP 4 Utility Relocation Complete	Mar-21

Notes:

1. CP 1 Main Design has been pushed to June 2020 as the DB, PCM and UPRR address design delays for the utility relocations which is critically impacting the schedules.
2. A revised projection will be updated with the finalization of the Revised Baseline Schedules (RBSs).
3. CP 1 Environmental Clearance pushed to June 2020 in order to review the Hazardous Abatement designs at the structure and guideway sites.
4. Additional Environmental Clearance on lands requiring utility relocations delayed per California Rail Builders (CRB) to July 2020.

Remaining Expenditures to Achieve ARRA (DB+ Track Works) Within the Current Baseline (No Risk Included - \$ millions)



Remaining DB and Track Work Baseline Items:

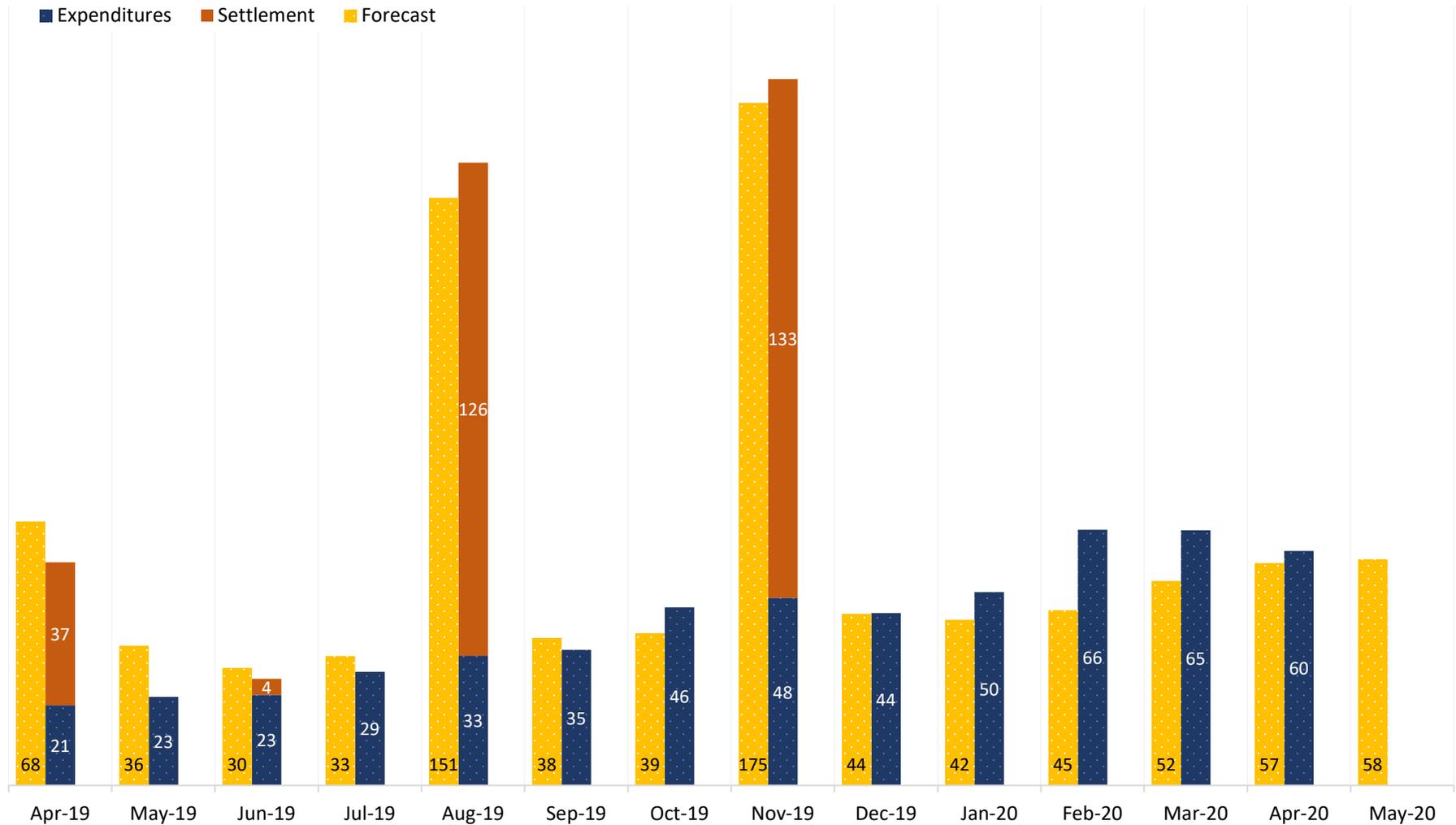
- Intrusion Protection Barriers and other railroad related works.
- North Extension (Avenue 17 to 19 in Madera County).
- Third-Party related work (e.g., Additional PG&E and AT&T work).
- Track Works (Needed for ARRA fulfillment).
- Miscellaneous Works Modifications (e.g., Utility Relocation, Environmental Mitigation, Cast in Place Walls).
- Cumulative Planned – Current Contract Value (dotted green line) is based on the current contract values for CP 1-4. This will be updated once the Revised Baseline Schedules (RBSs) are finalized.

Notes:

1. The Remaining Baseline items are the Design-Build future scope that are not currently contracted but are required to be completed for delivery of the 119-mile infrastructure.
2. The above forecast does not include the estimated risk in the baseline budget.
3. The June 2022 Cumulative Plan forecast projection moved from March 2020's \$4,210.0M to \$4,235.5 mark because of the \$25.5M in Change Order executions that took place in April 2020.

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

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

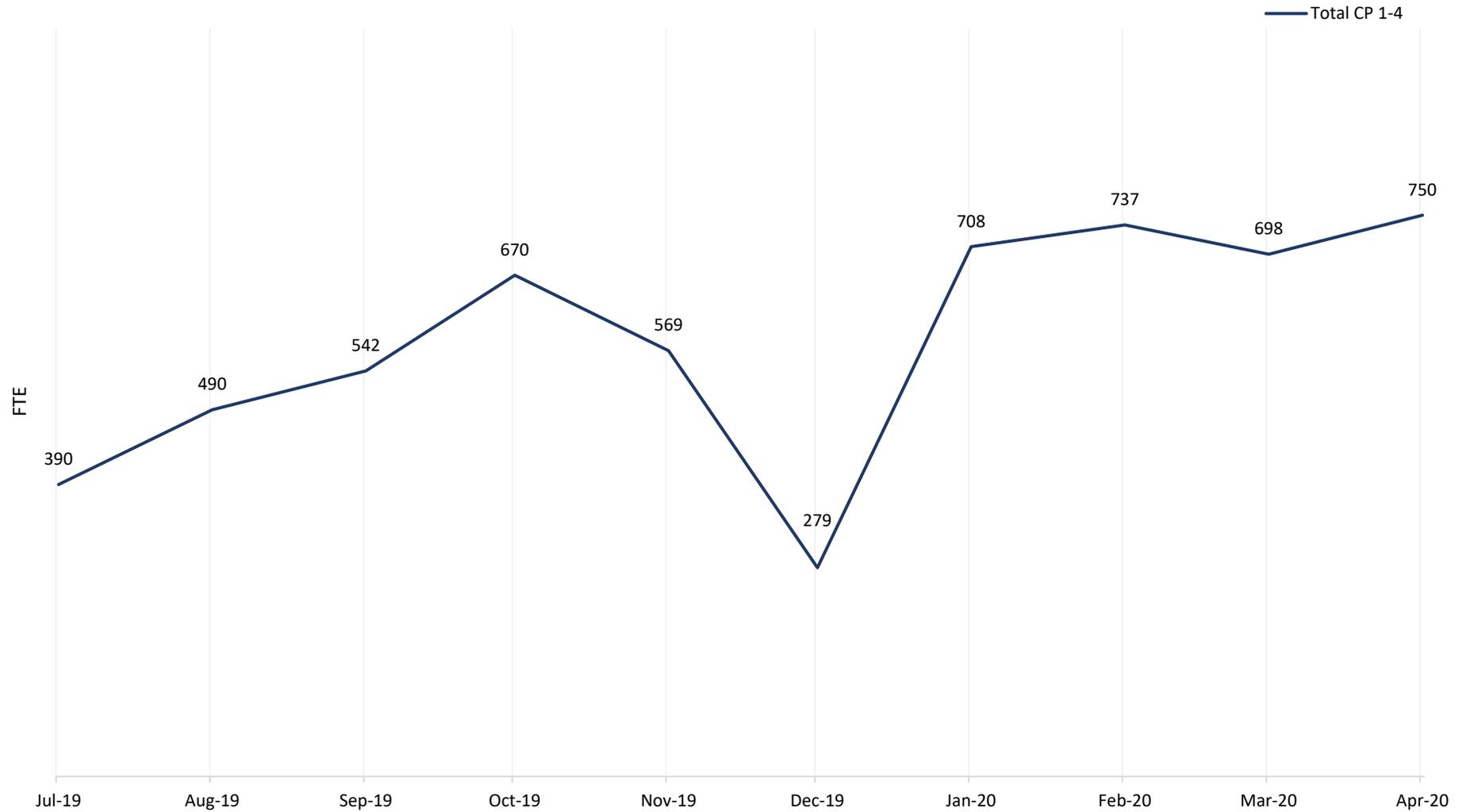


Notes:

1. Expenditures contained in the chart above are specific to the Design-Builder production and based on the certified invoice reported in the respective month and do not include accrual adjustments.
2. A revised projection will be updated upon the finalization of the Revised Baseline Schedules (RBSs).
3. Sudden increases in the expenditure values are due to the Time Impact Analysis Settlements.

CP 1-4 Monthly Construction Workforce Total

CP 1-4 – Monthly Construction Workforce Total – Actual

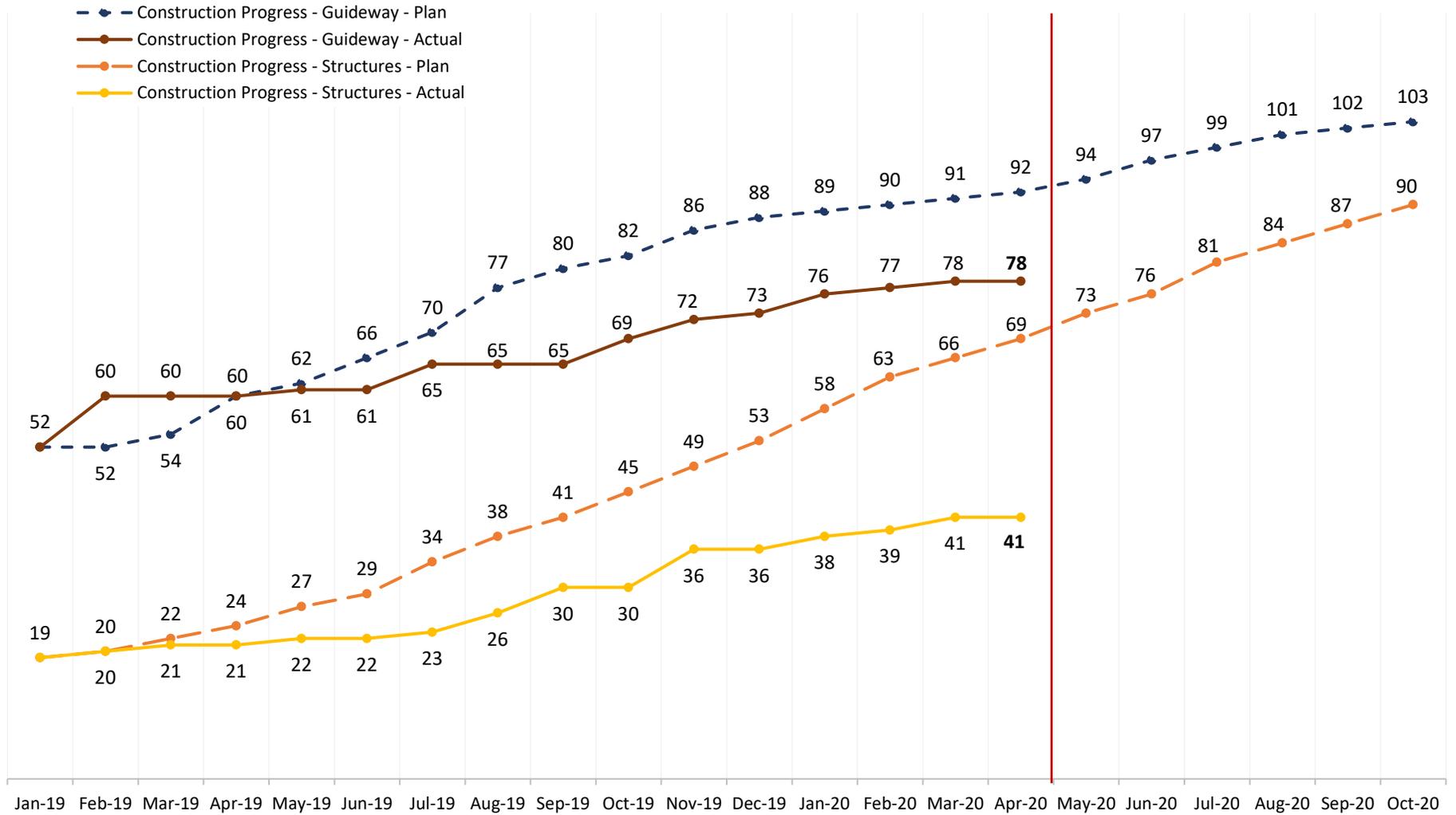


Notes:

1. The Construction Labor numbers (Full-Time Employees) are based on the working calendar month.
2. The December 2019 reporting number shows a sharp decrease due to the holiday week of December 23rd through December 31st.

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

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



Notes:

1. Total Structures: 93 each.
2. Total Guideway: ~119 miles.
3. A revised projection will be updated upon the finalization of the Revised Baseline Schedule (RBSs).
4. March 2020 CVSR incorrectly reported Planned Structures and Planned Guideway data. This report includes the correct data.
5. The April 2020 through October 2020 Plan totals only represent a developing forecast.

CP 1-4 – Construction Progress

CP 1-4 – Construction Progress Summary

CP	Category	Progress	Status Update
CP 1	Structures	Planned: 28 Structures Actual: 17 Structures Status: Behind by 11 Structures	<ul style="list-style-type: none"> Golden State Boulevard Viaduct: Poured Abutment 5 walls, columns and flare caps for Bents 3 and 4; drilled Bent 2 and Abutment 1 CIDH piles. Avenue 10 HST Overcrossing: Fine grading and fencing completed; aggregate base has been laid in preparation for asphalt. The PCM is mitigating Jensen Trench Phase I and II gas and sewer relocations, which could bring completion forward to May 2020. The PCM is redesigning Central Avenue, Avenue 15 ½, Avenue 9 and McKinley Avenue to avoid additional ROW requirements. PG&E out grants are in progress, and staff expects early civil packages by August 2020. Downtown Fresno Viaduct (Cedar Viaduct) and the SR-99 Crossing: Removed falsework from Cedar overhead at S/B SR-99. Shaw Avenue will ramp up the work in July 2020 once utility relocation starts. Church Avenue work continues as the PCM and contractor resolve and clarify any factors that may impact the UPRR's electrical transmission line, which could require ROW and storm drainage redesign.
CP 1	Guideway	Planned: 16 Miles Actual: 13 Miles Status: Behind by 3 Miles	<ul style="list-style-type: none"> Guideway has cleared 13 miles to include the utilities. Delays are anticipated because Intrusion Protection Barrier (IPB) design has not been finalized (60% design is with the railroad and the Authority for review). Approximately 1.5 miles are being delayed due to Mechanically Stabilized Earth (MSE) wall approval. TPZP is successfully completing three test piles to progress with guideway in Madera County.
CP 2-3	Structures	Planned: 30 Structures Actual: 17 Structures Status: Behind by 13 Structures	<ul style="list-style-type: none"> Encroachment Permit Agreement reached with Fresno County on Adams Avenue closure. Bridge construction can start in July 2020. Land rights conveyance and out grant issues are preventing the start of construction at five locations: Floral Avenue, Elkhorn Avenue, Dover Avenue, and Fowler Avenue. However, the PCM team and the Authority are actively working on mitigating these issues. The PCM is working to resolve early work approval issues with Caltrans to begin work at three locations: SR-43 Tied Arch and Tule River. SR-43 Curved Bridge has been approved with the detour plans.
CP 2-3	Guideway	Planned: 55 Miles Actual: 45 Miles Status: Behind by 10 Miles	<ul style="list-style-type: none"> Resolution to the soft soils issue in Segment 3: The PCM is currently evaluating the three-dimensional (3D) model defining the rally waves' effect on the soft soil. The PCM is currently acquiring more information from Dragados Flat Iron Joint Venture (DFJV) on the 3D test results. The design-build contractor and the Authority are collaborating to revise the designs, as necessary, for solutions to mitigate the affected areas. Once the PCM resolves these issues, eight miles of embankment will be available for construction. The PCM is anticipating that the start of the embankment work from Riverside Ditch to Dover Avenue in Segment 2 will begin over the coming weeks.
CP 4	Structures	Planned: 11 Structures Actual: 7 Structures Status: Behind by 4 Structures	<ul style="list-style-type: none"> Structures design is complete. However, one structure (Peterson Road Underpass) is being redesigned due to pending negotiations with third parties and utilities regarding the relocation of their assets. The PCM continues to negotiate with landowners regarding ROW acquisition. The PCM is evaluating the impact on the start of construction and is implementing mitigation actions. Construction continues on seven structures: the Garces Highway Underpass, Pond Road Underpass, SR-46 HSR, Poso Creek Overpass, Wasco Viaduct, Merced Avenue Overpass, and the Kimberlina Road Underpass.
CP 4	Guideway	Planned: 21 Miles Actual: 20 Miles Status: Behind by 1 Mile	<ul style="list-style-type: none"> Started work on the Intrusion Protection Barrier (IPB) between McCombs Avenue and SR-46. Continued work on the wildlife crossings north and south of Garces Hwy. Guideway construction progress is affected by the ongoing negotiations with landowners regarding land right acquisitions. Continued the importing of embankment, as well as clearing construction activities for Merced Avenue's realignment. The PCM continues to work on relocating utilities, including PG&E, Sempra, AT&T and others. Completed demolition work on the Certis buildings between 4th and 6th streets. Earthworks continues along SR-46 and 6th Street.

Notes:

1. Out grant refers to grant of interest or right to one to use government real property by a lease, easement, license, or permit. It is an agreement whereby a private party may, depending on the type of real estate instrument issued, enjoy an interest in or use real property.
2. Bents are the basic post and beam structure that forms a cross section for the frame that has been set in place, the bents are then lifted and dropped into place one by one by the crane.

CP 1 – 4 ROW Summary

ROW established metrics to track the following:

- **Acquisition Tracking**
 - Parcel: Property rights required from others and public lands (which are property rights required from public entities and/or multiple parties).
 - Railroad: Property rights and other agreements required from railroads.
- **Land Conveyance Tracking**
 - Tier 1: Land Rights Conveyances (critical); entities requiring transfer of title prior to completion of work (PG&E*, Southern California Edison, Fresno Irrigation District, Fresno Metropolitan Flood Control District).
 - Tier 2: Land Rights Conveyances (non-critical); entities where transfer of title does not need to occur prior to beginning work.

*The PG&E letter agreement (executed May 6, 2020) reclassified numerous land rights conveyances as non-critical for construction and is reflected on page 14.

CP 1-4 – ROW Parcel Acquisition Summary

Construction Package	March 31, 2020 Total Needed	Total Needed COS Modifications ¹	April 30, 2020 Total Needed	March 31, 2020 Total Acquired	April Acquired	April 30, 2020 Total Acquired
	(A)	(B)	(C) = (A) + (B)	(D)	(E)	(F) = (D) + (E)
CP 1	1,088	-6	1,082	829	1	830
CP 2-3	1,000	-8	992	613	0	613
CP 4	266	0	266	161	2	163
Total	2,354	-14	2,340	1,603	3	1,606

Note:

1. For Construction Package 1-4: Nine parcels added and 23 removed due to design optimization.

CP 1-4 – ROW Acquired but Not Delivered to Design-Builder (DB)

Construction Package	April 30, 2020 Total Acquired ¹	April 2020 Delivered to DB ²	April 30, 2020 Total Delivered to DB ³	April 30, 2020 Total Acquired, Remaining to Deliver to DB
	(G) = (F)	(H)	(I)	(J) = (G) - (I)
CP 1	830	1	829	1
CP 2-3	613	5	601	12
CP 4	163	0	159	4
Total	1,606	6	1,589	17

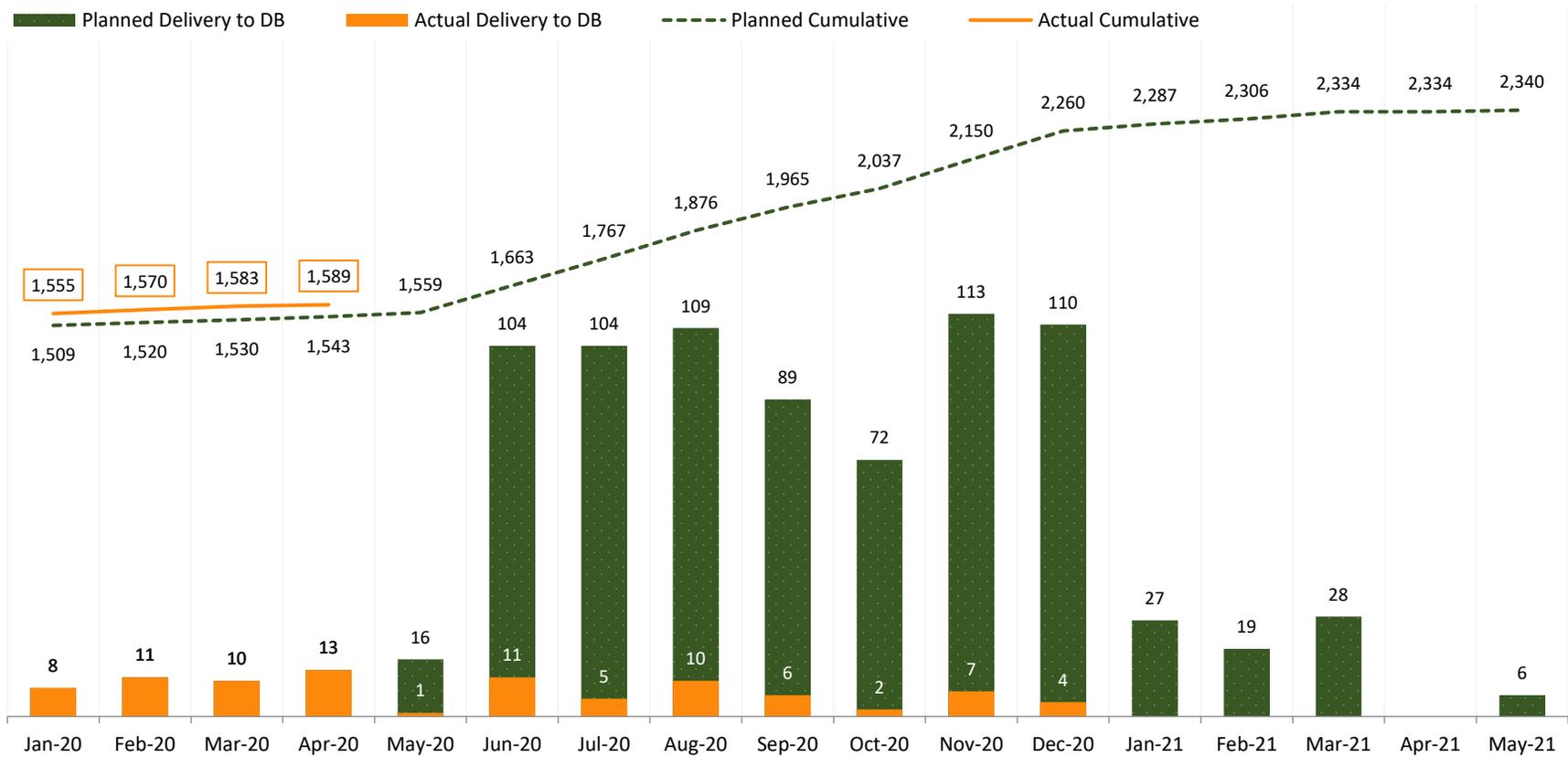
Notes:

1. Total acquired is defined as parcels that are legally possessed by the Authority.
2. The six parcels Delivered to DB in April include four planned in April, one in May, and one in August.
3. Delivered to DB is defined as parcels certified for construction and delivered to the Design-Builder.

CP 1-4 – ROW Summary

Construction Package	Total Needed Parcels April 30, 2020	Total Parcels Delivered to Date April 30, 2020	Remaining Parcels to be Delivered April 30, 2020
CP 1	1,082	829	253
CP 2-3	992	601	391
CP 4	266	159	107
Total	2,340	1,589	751

CP 1-4 – Parcel Delivery to DB Summary



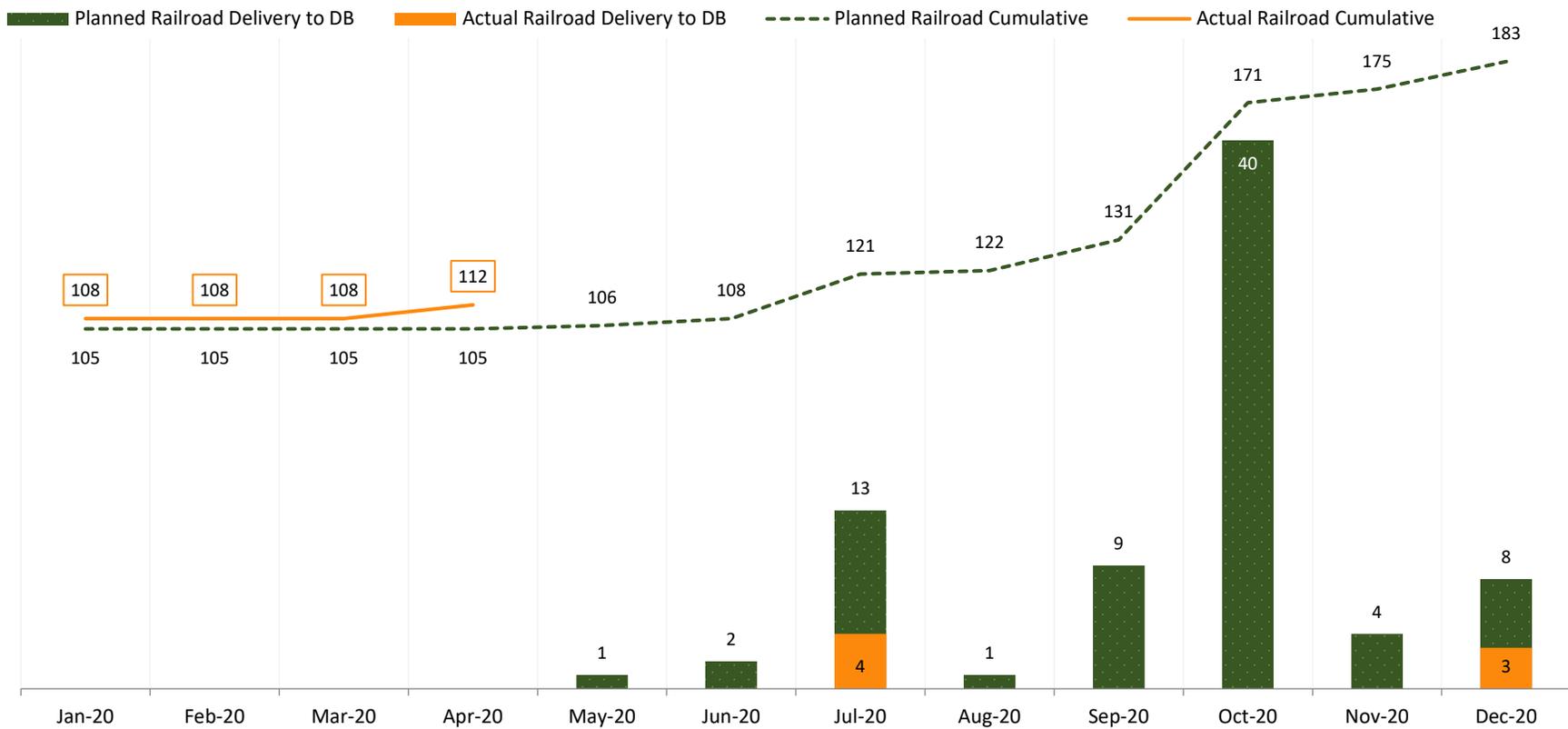
Notes:

1. A revised projection will be updated with the finalization of the Revised Baseline Schedules (RBSs).
2. Planned Delivered to DB parcels adjusted from last month's report due to continued refinement of the RBS.
3. Actual cumulative line for April 2020 reflects delivered parcels that are forecasted in future months.

CP 1-4 – ROW Railroad Summary

Construction Package	Total Needed Railroad Parcels April 30, 2020	Total Railroad Parcels Delivered to Date April 30, 2020	Remaining Railroad Parcels to be Delivered April 30, 2020
CP 1	95	59	36
CP 2-3	58	26	32
CP 4	30	27	3
Total	183	112	71

CP 1-4 – Railroad Parcel Delivery to DB Summary



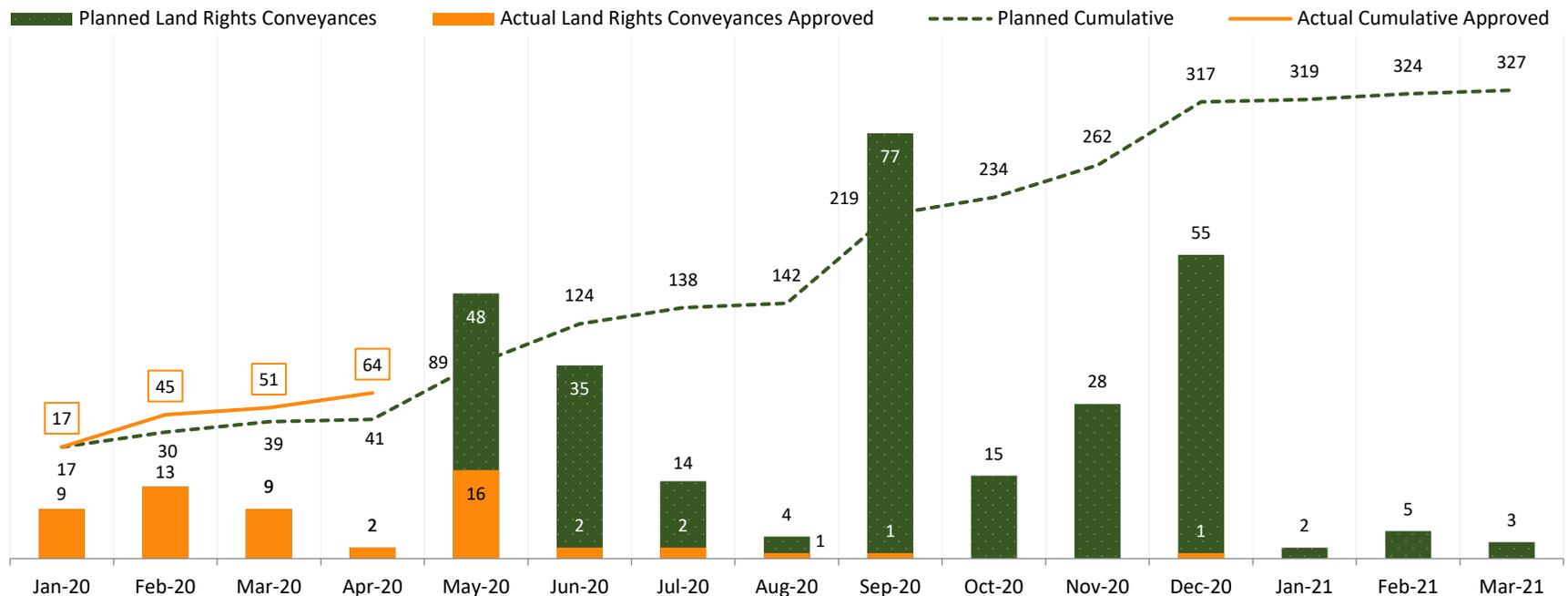
Notes:

1. A revised projection will be updated with the finalization of the Revised Baseline Schedules (RBSs).
2. Planned Railroad Delivery to DB parcels adjusted from last month's report due to continued refinement of the RBS.
3. Three Railroad Parcels Delivered to DB were updated as delivered in 2019.

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

Construction Package	Total Needed Land Rights Conveyances March 31, 2020	Total Needed Land Rights Conveyances Modifications ²	Total Needed Land Rights Conveyances April 30, 2020	Total Land Rights Conveyances Approved ⁵ to Date March 31, 2020	Total Land Rights Conveyances Approved April 2020	Remaining Land Rights Conveyances to be Approved April 30, 2020
CP 1	359	-231	128	27	10	91
CP 2-3	472	-303	169	21	3	145
CP 4	99	-69	30	3	0	27
Total	930	-603	327	51	13	263

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



Notes:

1. A revised projection will be updated with the finalization of the Revised Baseline Schedules (RBSs).
2. The PG&E letter agreement (executed May 6, 2020) reclassified numerous land rights conveyances as non-critical for construction and is reflected above.
3. Actual Cumulative for April 2020 includes completed land rights conveyances that are forecasted in future months.
4. Planned land rights conveyances were adjusted from last month's report due to continued refinement of the RBS.
5. Approved is defined as land rights conveyances approved and sent to PG&E for signature and includes recorded.
6. For total actual land rights conveyances approved, eight land right conveyances were approved in 2019.

119-Mile Central Valley Segment – Third-Party Agreements

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

Entity	Project Section	Result of Resolution	Previous Estimated Completion	Current Estimated Completion
County of Fresno	CP 1 & CP 2-3	Updates road closures, reflecting design changes made since original Cooperative Agreement. Further clarifies remediation of County property post-construction. Finalized language with County Counsel on April 23, 2020. Agreement to be presented at June Board meeting.	Apr-20	Jun-20
County of Fresno	CP 1 & CP 2-3	Defines ownership and maintenance of grade separations between Authority and County in perpetuity. Finalized language with County Counsel on April 23, 2020. Agreement to be presented at June Board meeting.	Apr-20	Jun-20
Madera Valley Water Company (MVWC)	CP 1	Obtain MVWC’s cooperation and capture essential terms working together to relocate MVWC facilities. MVWC legal making revisions to structure of agreement.	Apr-20	Jun-20
Corcoran Irrigation District	CP 2-3	CID’s review of technical engineering documents, coordination, and review of real property documents. .	Apr-20	Completed
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. Focusing efforts on executing time-critical utility agreement. Once the utility agreement is finalized, staff will resume efforts to negotiate ROW transfer agreement.	On Hold	On Hold
Lower Tule River Irrigation District (LTRID)	CP 2-3	LTRID review of technical engineering documents, coordination, and review of real property documents. In processing by Contracts and Procurements Branch for submittal for LTRID execution.	May-20	May-20

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 ROW, or relocated to a new position within the Authority’s ROW, but also still within the facility owner’s existing 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 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.

CP 1-4 – Look Ahead - Estimated Completion Timeline for Third-Party Agreements (cont'd.)

Entity	Project Section	Result of Resolution	Previous Estimated Completion	Current Estimated Completion
Settler's Ditch Company	CP 2-3	Settler's review of technical engineering documents, coordination, and review of real property documents.	Apr-20	Completed
People's Ditch Company	CP 2-3	People's review of technical engineering documents, coordination, and review of real property documents.	Apr-20	Completed
Southern California Edison	CP 2-3 & CP 4	Utility agreement addendum for duct and substructure construction work.	Apr-20	Completed
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. Focused efforts on utility agreements. Now accelerating efforts back to negotiating this ROW transfer agreement.	May-20	July-20
City of Wasco	CP 4	Defines ownership and maintenance of grade separations between Authority and City in perpetuity. Focused efforts on utility agreements. Now accelerating efforts back to negotiating this ownership and maintenance agreement.	May-20	July-20
Semitropic Water Storage District	CP 4	Design and construction of facilities. Semitropic Board approved March 2020.	May-20	May-20
Semitropic Water Storage District	CP 4	JUA template allows prompt execution of land conveyances. Semitropic Board approved March 2020.	May-20	May-20
Semitropic Water Storage District	CP 4	CCUA template allows prompt execution of land conveyances. Semitropic Board approved March 2020.	May-20	May-20

119-Mile Central Valley Segment – Environmental Clearance - Incidental Take Permits (ITP) Summary¹

Merced-Fresno 2081 ITP, Permit Number 2081-2013-025-04, Issued on 12-Mar-14

ITP Name	Amendment Status	Construction Project	ITP Amendment Construction Implications	Previous Date of Approval / Issue	Current Date of Approval / Issue
CP 1AB M-F Clean Up No. 2	TPZP/PCM	CP 1	This amendment is incomplete and is currently under review. The amendment will be resubmitted to California Department of Fish and Wildlife (CDFW) after the review is complete.	Mar-20	Mar-20 ²
North Extension Separation of Rail	In Review with CDFW	CP 1	Accommodates increase in construction footprint to realign high-speed rail guideway away from existing freight rail lines in the North Extension of CP 1.	Jun-20	Jun-20

Fresno-Bakersfield, 2081 ITP, Permit Number 2081-2015-024-04, Issued on 15-Jun-15

ITP Name	Amendment Status	Construction Project	ITP Amendment Construction Implications	Previous Date of Approval / Issue	Current Date of Approval / Issue
Modified Burrow and Excavation Language	Amendment Executed - Complete	CP 2-3 & CP 4	CDFW initiated an amendment to facilitate construction by modifying burrow and excavation guidance.	Apr-20	Apr-20
Deer Creek/Cross Creek	CDFW Deemed Complete	CP 2-3	Accommodates design changes in the Deer and Cross Creek areas.	May-20	May-20 ³
Table 5	CDFW Deemed Complete	CP 2-3	Finalizes the locations of dedicated wildlife crossings.	May-20	May-20 ³
BNSF/PG&E	In Review with CDFW	CP 4	Covers additional ROW adjacent to the mainline required for relocation of third-party utilities and access to utilities and BNSF operations areas. The amendment also includes various other small footprint adjustments along the alignment.	May-20	May-20

Notes:

1. The above table represents a snapshot in time of the ITP amendments needed to complete CP 1-4. Some additional design changes may occur to complete utility relocations. As design progresses and achieves final approval, the risk of additional amendments shrinks.
2. TPZP has not responded to CDFW incomplete notification of amendment request.
3. Deer Creek/Cross Creek and Table 5 amendment is in mutual delay as they can only be issued after the Burrow and Excavation Language amendment is issued.

CONSTRUCTION PACKAGE 1 (CP 1) OVERVIEW

CP 1 – Design-Build Contract Summary

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 Completion Date:	11/02/2021

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:	\$907,111,875.35
Current Contract Amount:	\$1,930,099,875.35
Approved Invoices to Date ¹ :	\$1,230,152,385.54
Remaining Contract Balance:	\$699,947,489.81

Contract Time Status

Description	Duration
Original Contract Days:	1,628
Extension of Time Awarded:	1,312
Current Contract Days:	2,940
Work Days Spent (thru 04/30/2020):	2,389

Expended to Date

Description	Percentage
Time:	81.3%
Dollars:	63.7%

Growth Percentage

Description	Percentage
Time:	80.6%
Dollars:	88.7%

Note:

1. Includes actuals through March 2020 and estimate for April 2020.
2. Calendar Days.

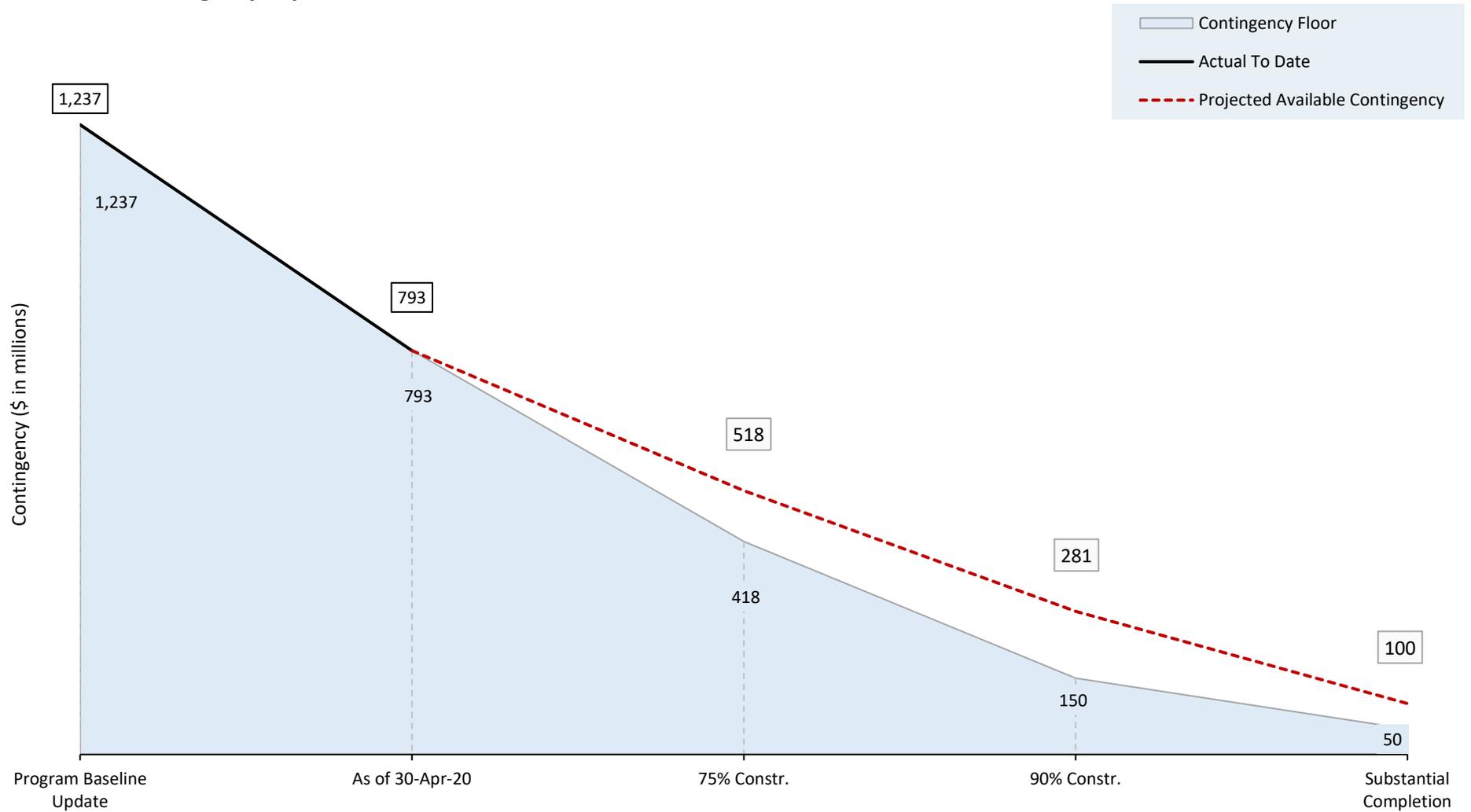
CP 1 – Executed Change Order Status

CP 1 – Executed Change Order Status

CO Number	Title	Change Status	Amount	Executed Date
00297	Topographic Survey for Caltrans SR-99 Section	Executed	\$78,459.00	8-Apr-20
00298	Embankment Material Available at Avenue 7	Executed	\$4,937,881.74	8-Apr-20
00306	Fresno Trench Headwall Construction at Westside Wye South Leg	Executed	\$73,033.36	8-Apr-20
00299	MVWC Waterline Relocation at Road 27 - Construction	Executed	\$1,773,899.40	23-Apr-20
00284 R1	BNSF Access Plan - Design	Executed	\$305,592.36	27-Apr-20
Total			\$7,168,865.86	

CP 1 – Risk - Contingency Report

CP 1 – Risk - Contingency Report

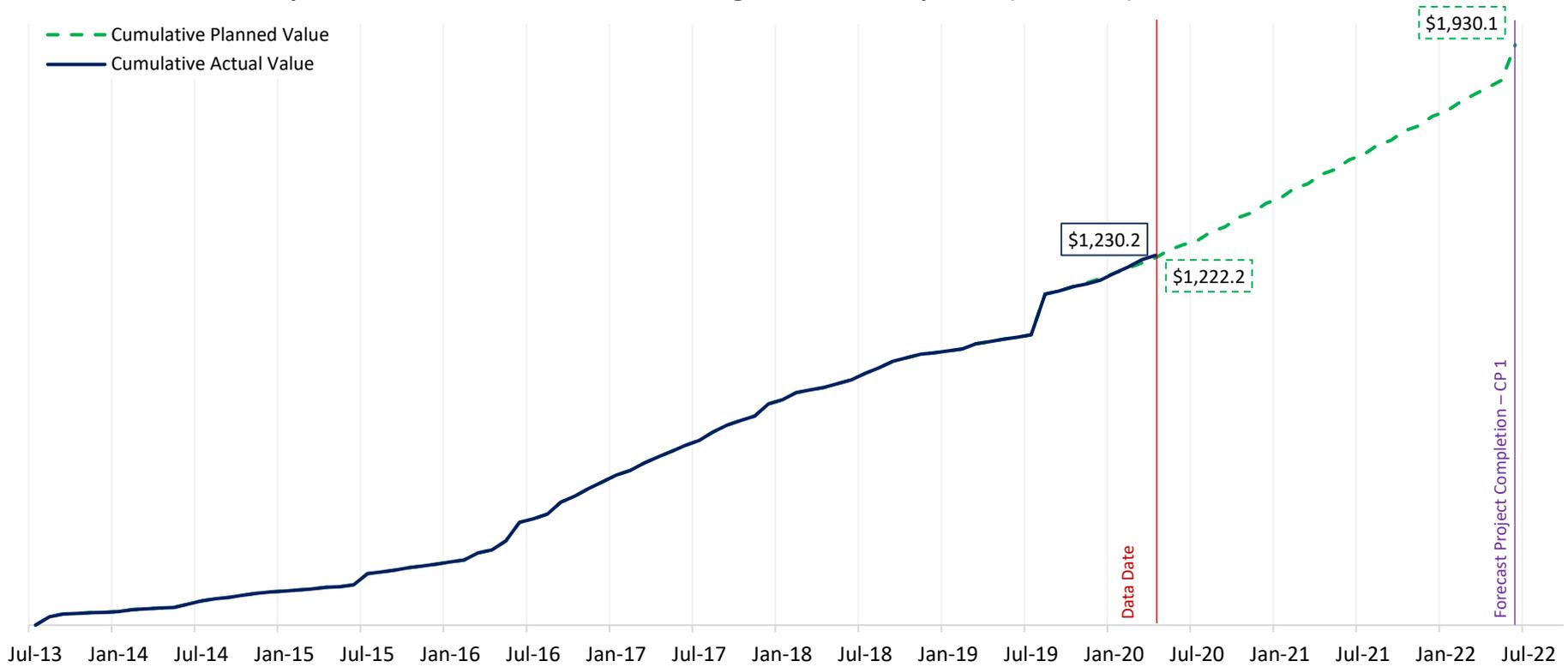


Notes:

1. 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 updated contingency amount for the entire CP 1 Project.
2. Contract through April 30, 2020.

CP 1 – Earned Value

CP 1 – Planned vs. Actual Expenditures from Contract Award Through Contract Completion (\$ Millions)



CP 1 – Projected Milestones

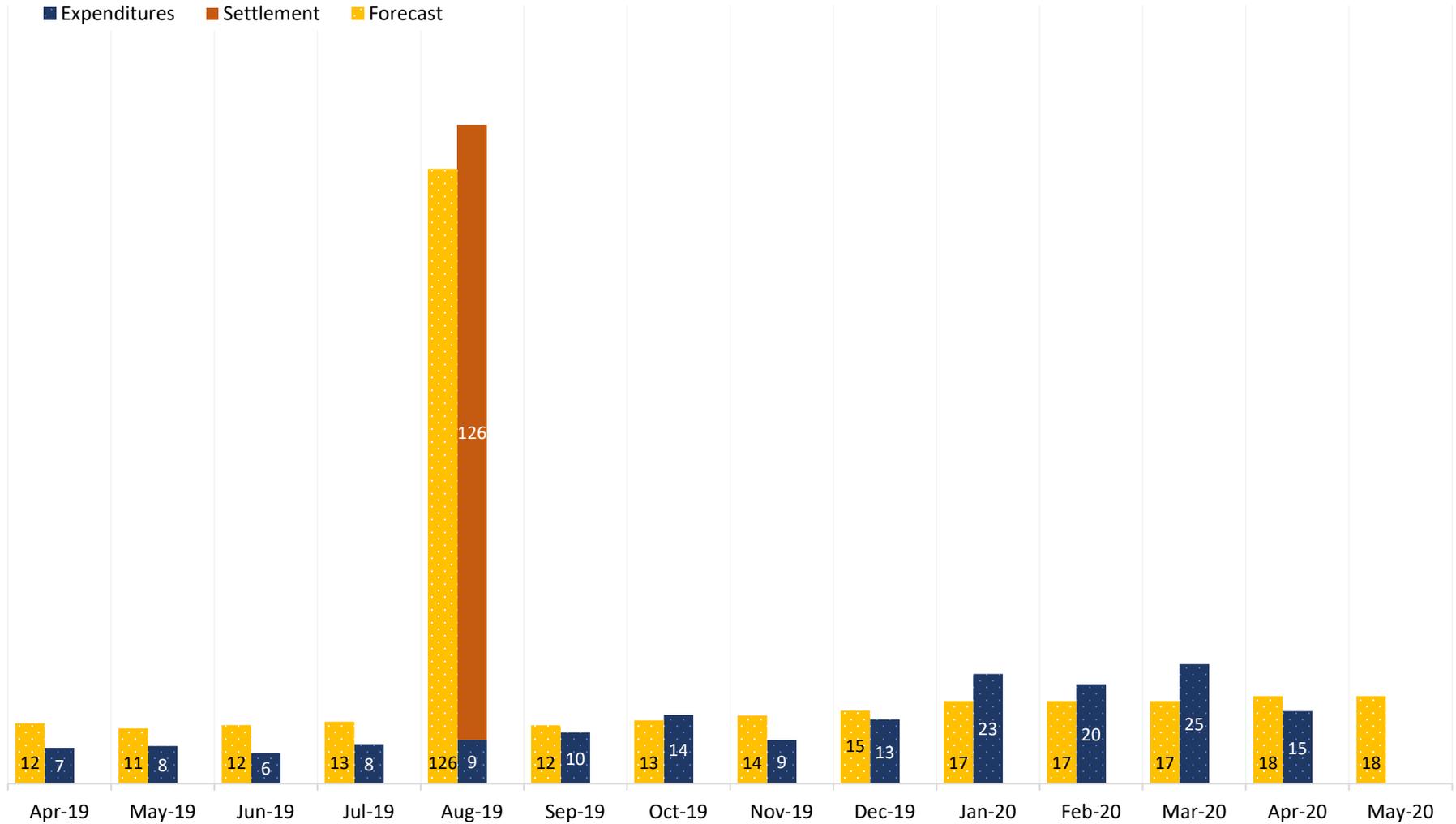
Milestone	Date
Main Design Complete	Jun-20
ROW Acquisition Complete	Nov-20

Milestone	Date
Environmental Clearance Complete	Jun-20
Utility Relocation Complete	Mar-21

- Notes:**
- The Planned Value and Contract Substantial Completion Date is based on the CP 1 Proposed Schedule as of March 2020. This is expected to be refined as future change orders are issued and a Revised Baseline Schedule (RBS) is finalized.
 - The sudden increase in the cumulative value is due to Time Impact Analysis settlement in August 2019.
 - The Current Contract Value at completion does not include unexecuted change orders, including IPB, Herndon, SR-99 section remaining works, and the North Extension Revision.
 - Main Design has been pushed to June 2020 as the DB, PCM and UPRR address design delays for the utility relocations, which is critically impacting the schedules.
 - CP 1 Environmental Clearance pushed to June 2020 in order to review the Hazardous Abatement designs at the structure and guideway sites.

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

CP 1 – Fiscal Year Expenditures (\$ Millions)

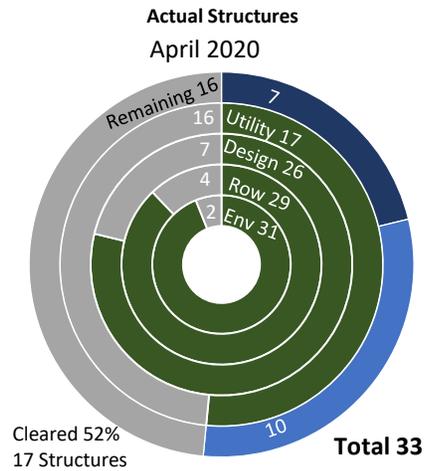


Notes:

1. Expenditures in the chart above are specific to the Design-Builder production and based on the certified invoices.
2. The sudden increase in the expenditure value in August 2019 is due to the Time Impact Analysis settlement.

CP 1 – Construction Progress

CP 1 – Construction Progress



Forecasted Structures

Projections will be included upon the finalization of the Revised Baseline Schedule (RBS)

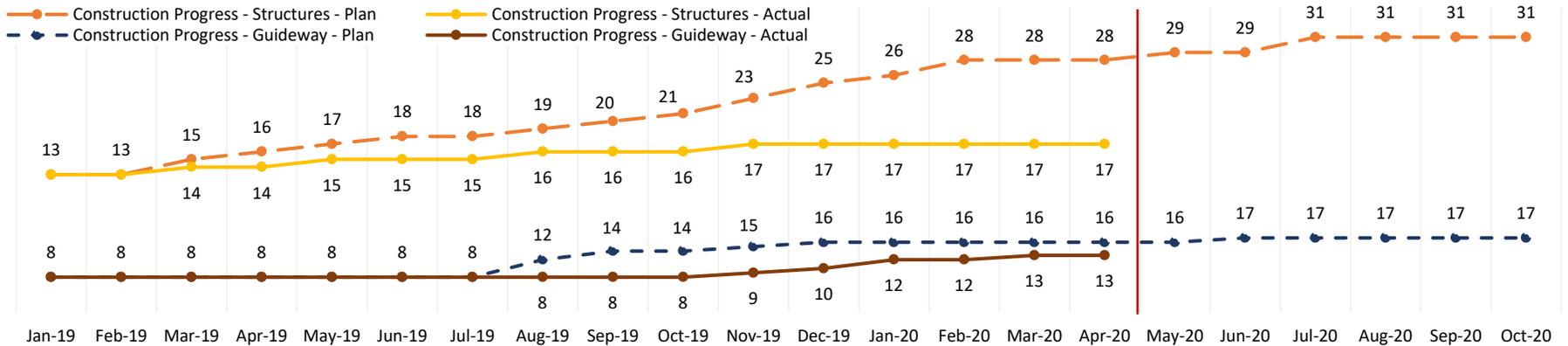


Forecasted Guideway

Projections will be included upon the finalization of the Revised Baseline Schedule (RBS)



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



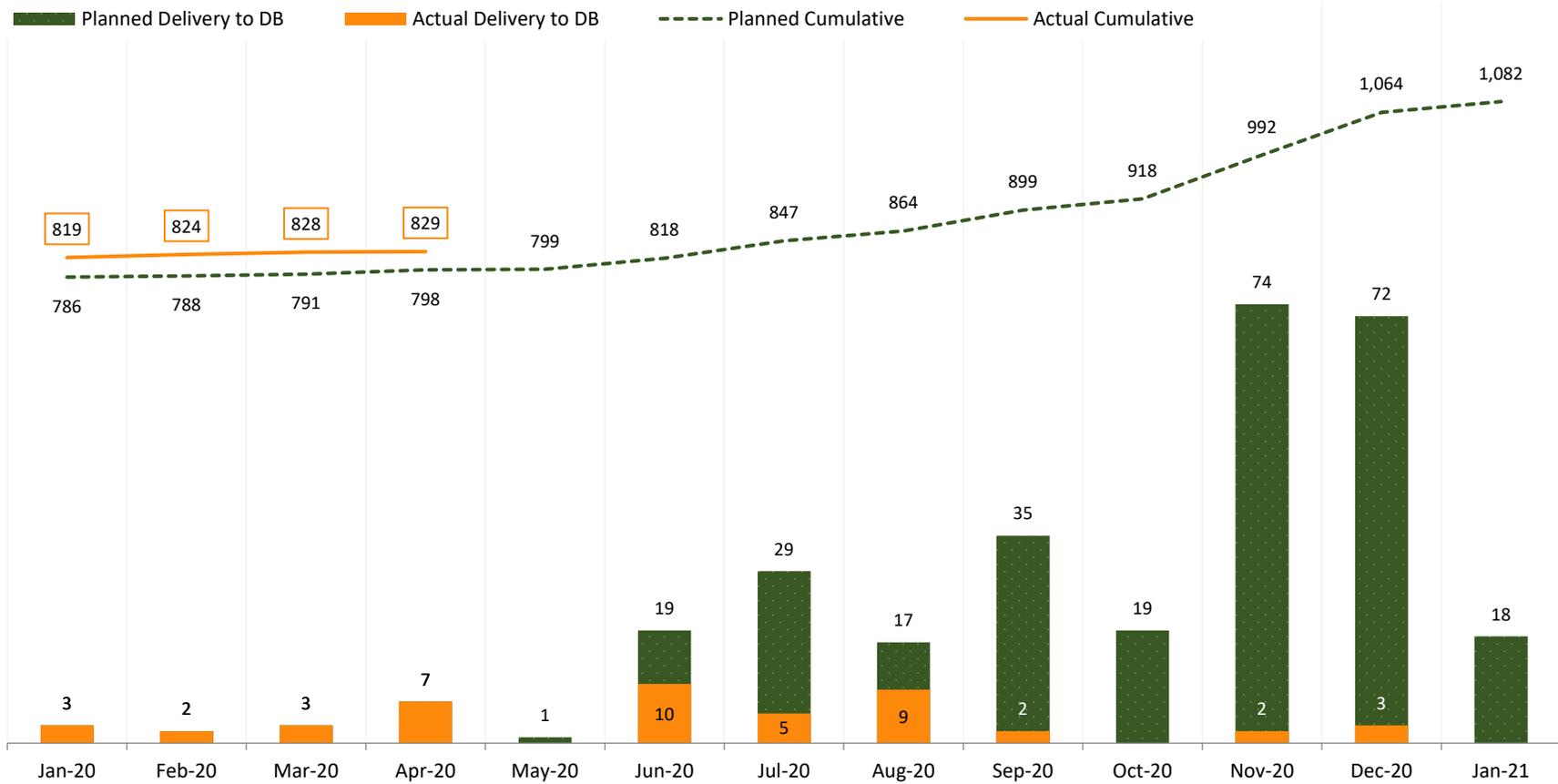
Notes:

1. Total Structures: 33 structures.
2. Total Guideway: 32 miles. This does not include SR-99 section. Guideway was added to the Caltrans contract resulting in a guideway total of approximately 32 miles.
3. This forecast is based on the get to work plans developed in January 2019.
4. A revised projection will be updated upon the finalization of the Revised Baseline Schedule (RBS).

CP 1 – ROW Summary

Construction Package	Total Needed Parcels April 30, 2020	Total Parcels Delivered to Date April 30, 2020	Remaining Parcels to be Delivered April 30, 2020
CP 1	1,082	829	253

CP 1 – Parcel Delivery to DB Summary



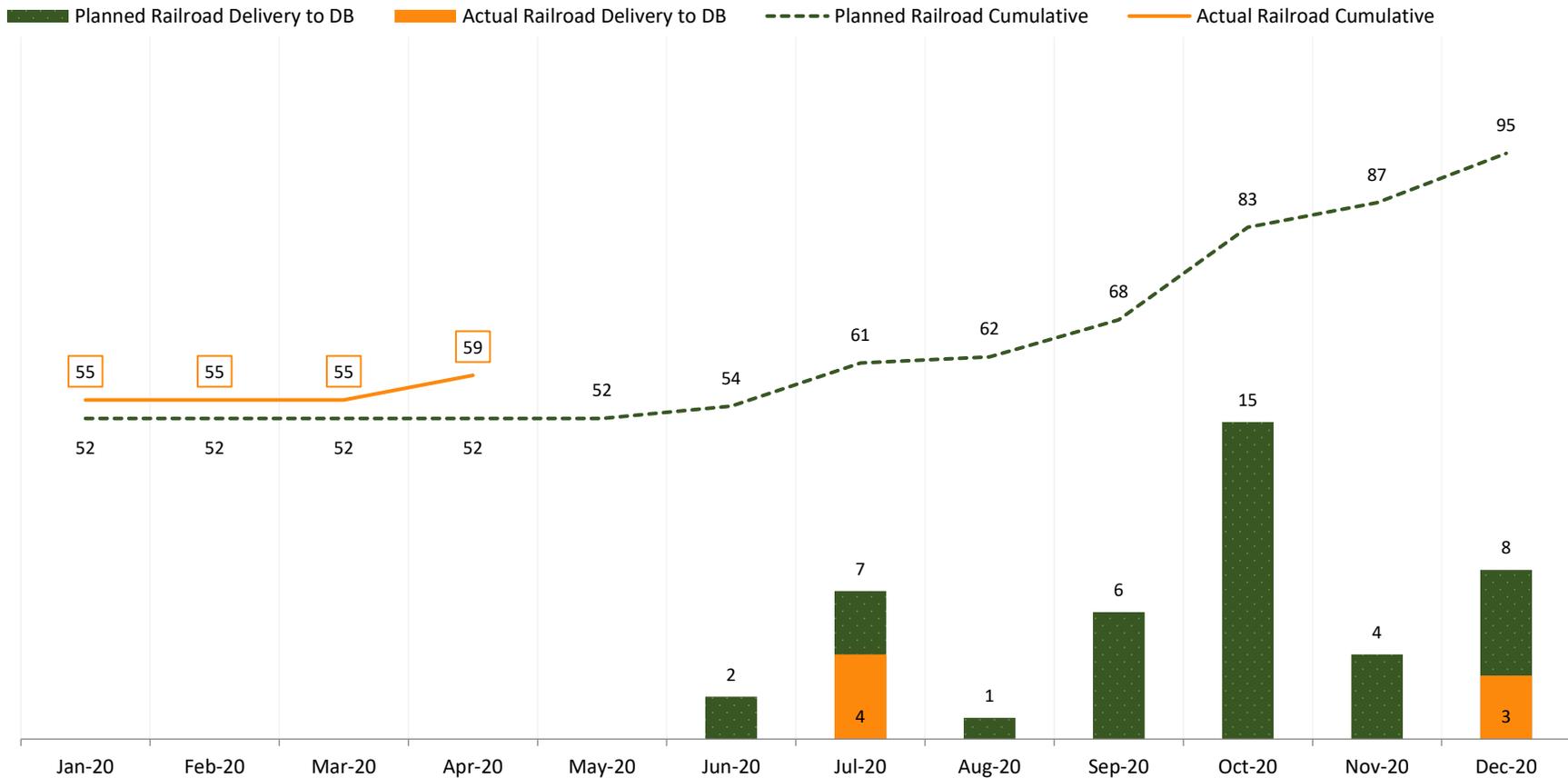
Notes:

1. A revised projection will be updated with the finalization of the Revised Baseline Schedules (RBSs).
2. Planned Delivered to DB parcels adjusted from last month's report due to continued refinement of the RBS.
3. Actual cumulative line for April 2020 reflects delivered parcels that are forecasted in future months.

CP 1 – ROW Railroad Summary

Construction Package	Total Needed Railroad Parcels April 30, 2020	Total Railroad Parcels Delivered to Date April 30, 2020	Remaining Railroad Parcels to be Delivered April 30, 2020
CP 1	95	59	36

CP 1 – Railroad Parcel Delivery to DB Summary



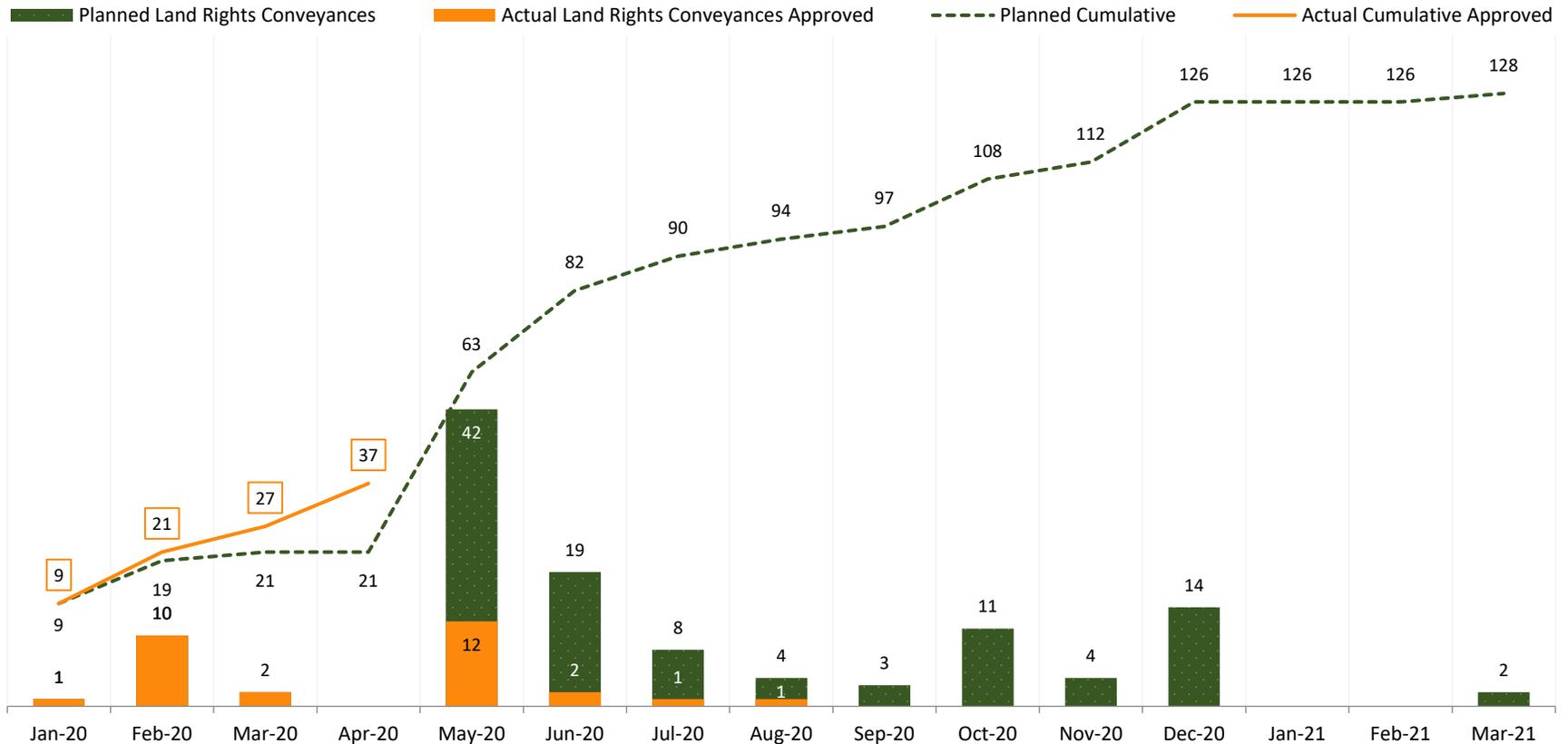
Note:

1. A revised projection will be updated with the finalization of the Revised Baseline Schedules (RBS).
2. Planned Railroad Delivery to DB parcels adjusted from last month's report due to continued refinement of the RBS.
3. Three Railroad Parcels Delivered to DB were updated as delivered in 2019.

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

Construction Package	Total Needed Land Rights Conveyances April 30, 2020	Total Land Rights Conveyances Approved ⁵ to Date April 30, 2020	Remaining Land Rights Conveyances to be Approved April 30, 2020
CP 1	128	37	91

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



Notes:

1. A revised projection will be updated with the finalization of the Revised Baseline Schedule (RBS).
2. The PG&E letter agreement (executed May 6, 2020) reclassified numerous land rights conveyances as non-critical for construction and is reflected above.
3. Actual Cumulative for April 2020 includes completed land rights conveyances that are forecasted in future months.
4. Planned land rights conveyances were adjusted from last month's report due to continued refinement of the RBS.
5. Approved is defined as land rights conveyances approved and sent to PG&E for signature and includes recorded.
6. For total actual land rights conveyances approved, eight land right conveyances were approved in 2019.

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

CP 2-3 – Design-Build Contract Summary

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
NTP 1 Date:	06/12/2015
NTP 2 Date:	07/25/2015
Original Completion Date:	08/19/2019
Current Completion Date:	04/18/2022

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:	\$379,790,645.00
Current Contract Amount:	\$1,745,126,535.00
Approved Invoices to Date ¹ :	\$1,026,838,429.00
Remaining Contract Balance:	\$718,288,106.00

Contract Time Status

Description	Duration
Original Contract Days:	1,486
Extension of Time Awarded:	973
Current Contract Days:	2,459
Work Days Spent (thru 04/30/2020):	1,741

Expended to Date

Description	Percentage
Time:	70.8%
Dollars:	58.8%

Growth Percentage

Description	Percentage
Time:	65.5%
Dollars:	27.8%

Note:

1. Includes actuals through March 2020 and estimate for April 2020.
2. Calendar Days.

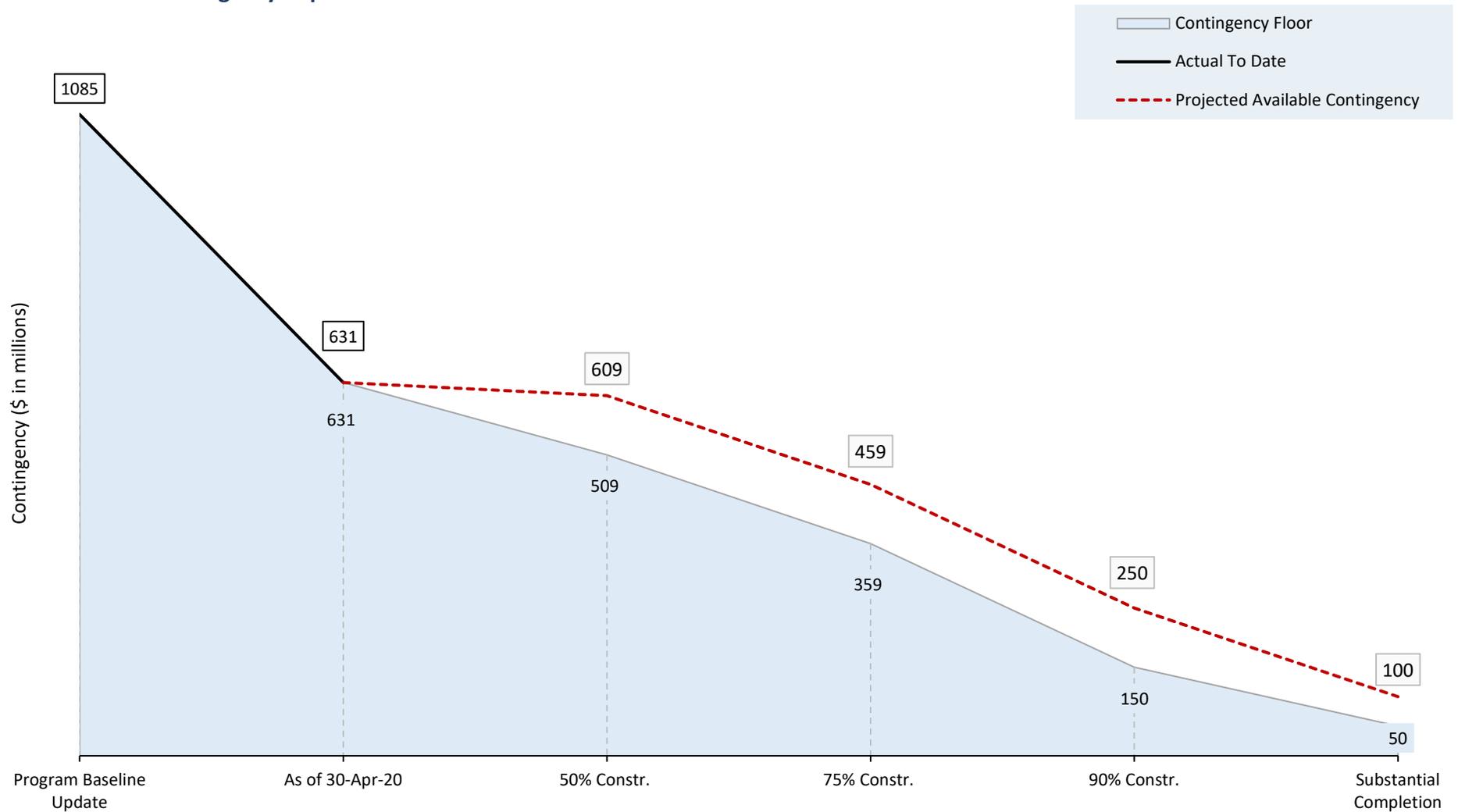
CP 2-3 – Executed Change Order Status

CP 2-3 – Executed Change Order Status

CO Number	Title	Change Status	Amount	Executed Date
00113	CID 200pct Flow - Wristen Ditch	Executed	\$5,739,371.00	30-Mar-20
00065.1	GTC Flint Avenue West Embankment	Executed	\$995,000.00	7-Apr-20
00141	Kings River Complex Trestle	Executed	\$87,393.00	24-Apr-20
000143	Reduce Impact Dairy @ Houston Avenue GS	Executed	\$49,637.00	27-Apr-20
00024.16	Haz-Mat Treated Wood Waste	Executed	\$49,637.00	27-Apr-20
00129	BNSF WS Access Maintenance Rd.	Executed	\$1,375,913.00	28-Apr-20
00024.17	HazMat Treated Wood Waste Hwy. SR-43	Executed	\$194,174.00	28-Apr-20
24.1.3	Haz-Mat Abatement FB-10-0388	Executed	\$8,455.00	29-Apr-20
00139	Elimination of Iona Avenue Overcrossing	Executed	\$9,000.00	29-Apr-20
0010.11	Avenue 136 Extension East to SR-43	Executed	\$34,470.00	29-Apr-20
Total			\$13,289,886.00	

CP 2-3 – Risk - Contingency Report

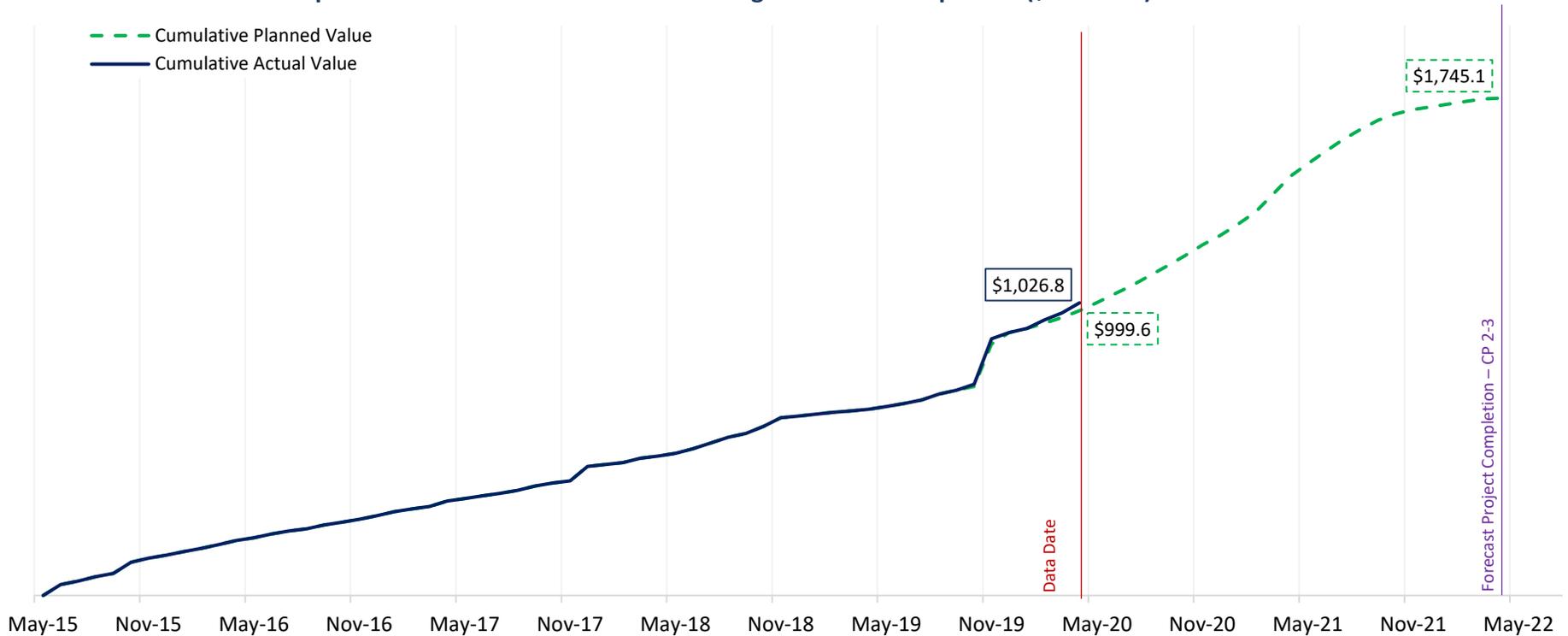
CP 2-3 – Risk - Contingency Report



- Notes:**
1. 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 updated contingency amount for the entire CP 2-3 Project.
 2. Contract through April 30, 2020.

CP 2-3 – Earned Value

CP 2-3 – Planned vs. Actual Expenditures from Contract Award through Contract Completion (\$ Millions)



CP 2-3 – Projected Milestones

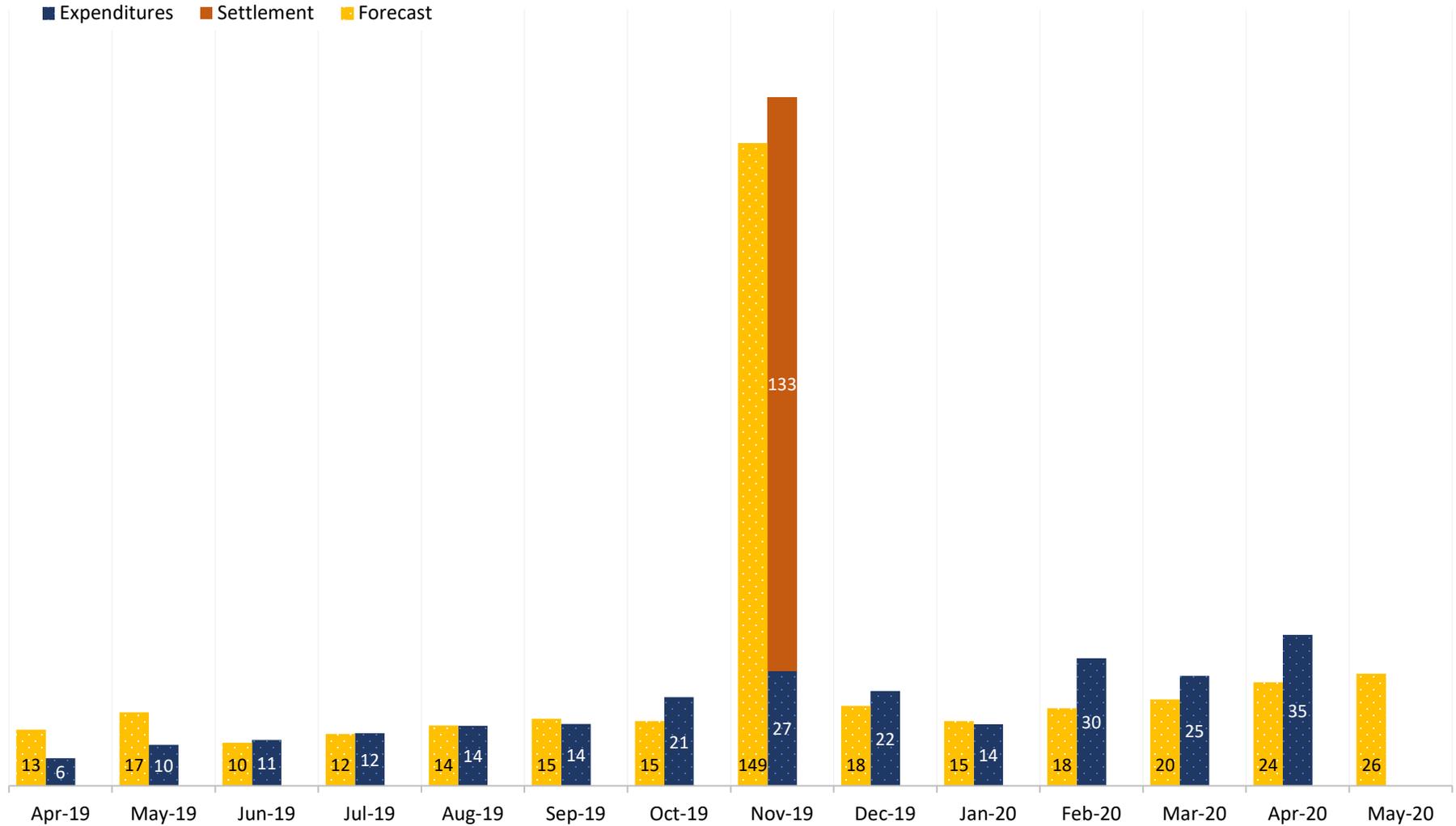
Milestone	Date	Milestone	Date
Main Design Complete	May-20	Environmental Clearance Complete	May-20
ROW Acquisition Complete	Jan-21	Utility Relocation Complete	Mar-21

Notes:

1. The Planned Value and Contract Substantial Completion Date is based on the CP 2-3 Proposed Schedule as of March 2020. This is expected to be refined as future change orders are issued and a Revised Baseline Schedule (RBS) is finalized.
2. The sudden increase in the cumulative value is due to the Time Impact Analysis (TIA) settlement.
3. The Current Contract Value does not include unexecuted change orders including Project 517, the latest TIA settlement, and IPB change orders.
4. Environmental Clearance pushed to May 2020 in order to finalize the map book amendment regarding the locations of dedicated wildlife crossings.

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

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

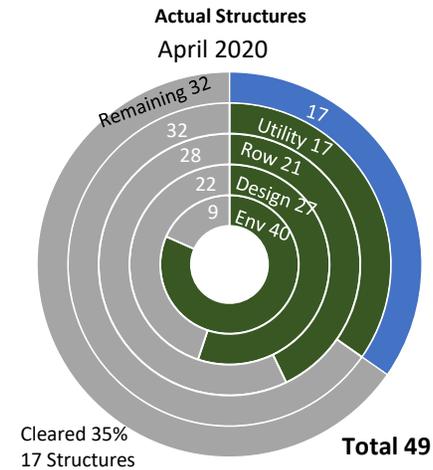


Notes:

1. Expenditures in the chart above are specific to the Design-Builder production and based on the certified invoices.
2. The sudden increase in the expenditure value in November 2019 is due to the Time Impact Analysis settlement.

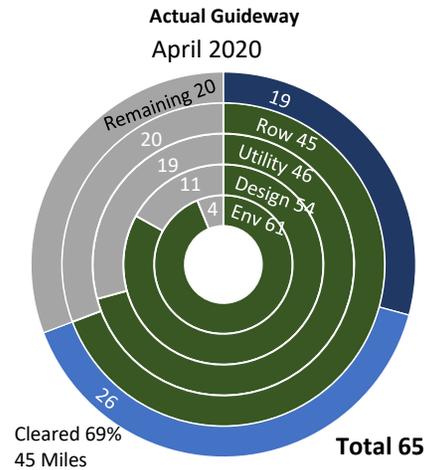
CP 2-3 – Construction Progress

CP 2-3 – Construction Progress



Forecasted Structures

Projections will be included upon the finalization of the Revised Baseline Schedule (RBS)

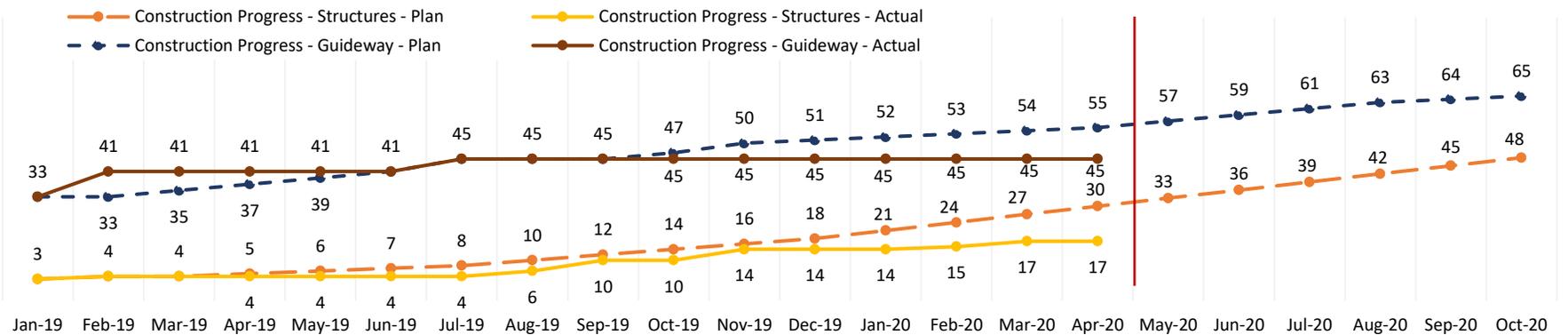


Forecasted Guideway

Projections will be included upon the finalization of the Revised Baseline Schedule (RBS)



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



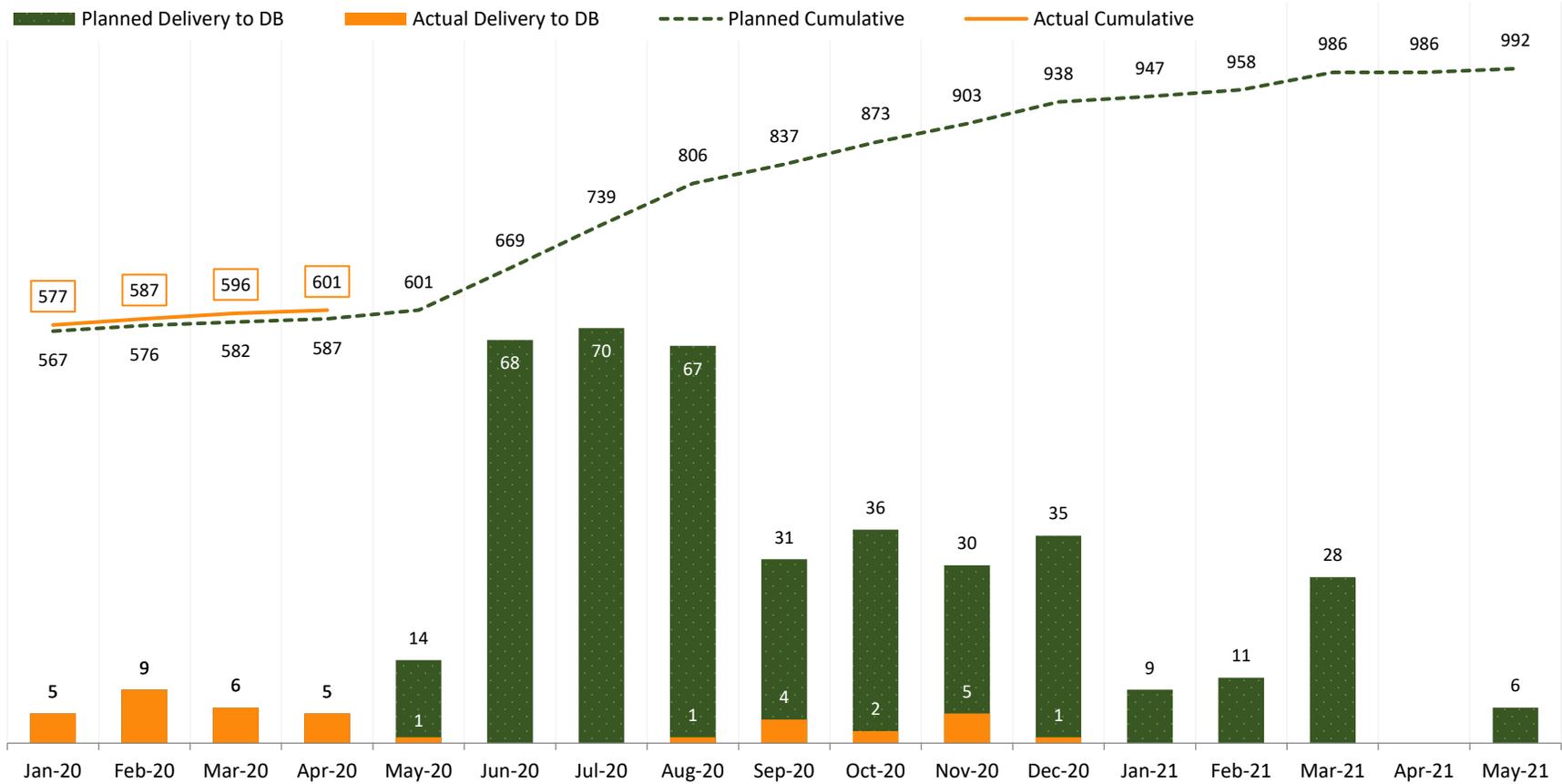
Notes:

1. Total Structures: 49 each. This count has been reduced from 50 due to combining the structures resulting from Project 517.
2. Total Guideway: 65 miles.
3. This forecast is based on the get to work plans developed in January 2019.
4. A revised projection will be updated upon the finalization of the Revised Baseline Schedule (RBS).

CP 2-3 – ROW Summary

Construction Package	Total Needed Parcels April 30, 2020	Total Parcels Delivered to Date April 30, 2020	Remaining Parcels to be Delivered April 30, 2020
CP 2-3	992	601	391

CP 2-3 – Parcel Delivery to DB Summary



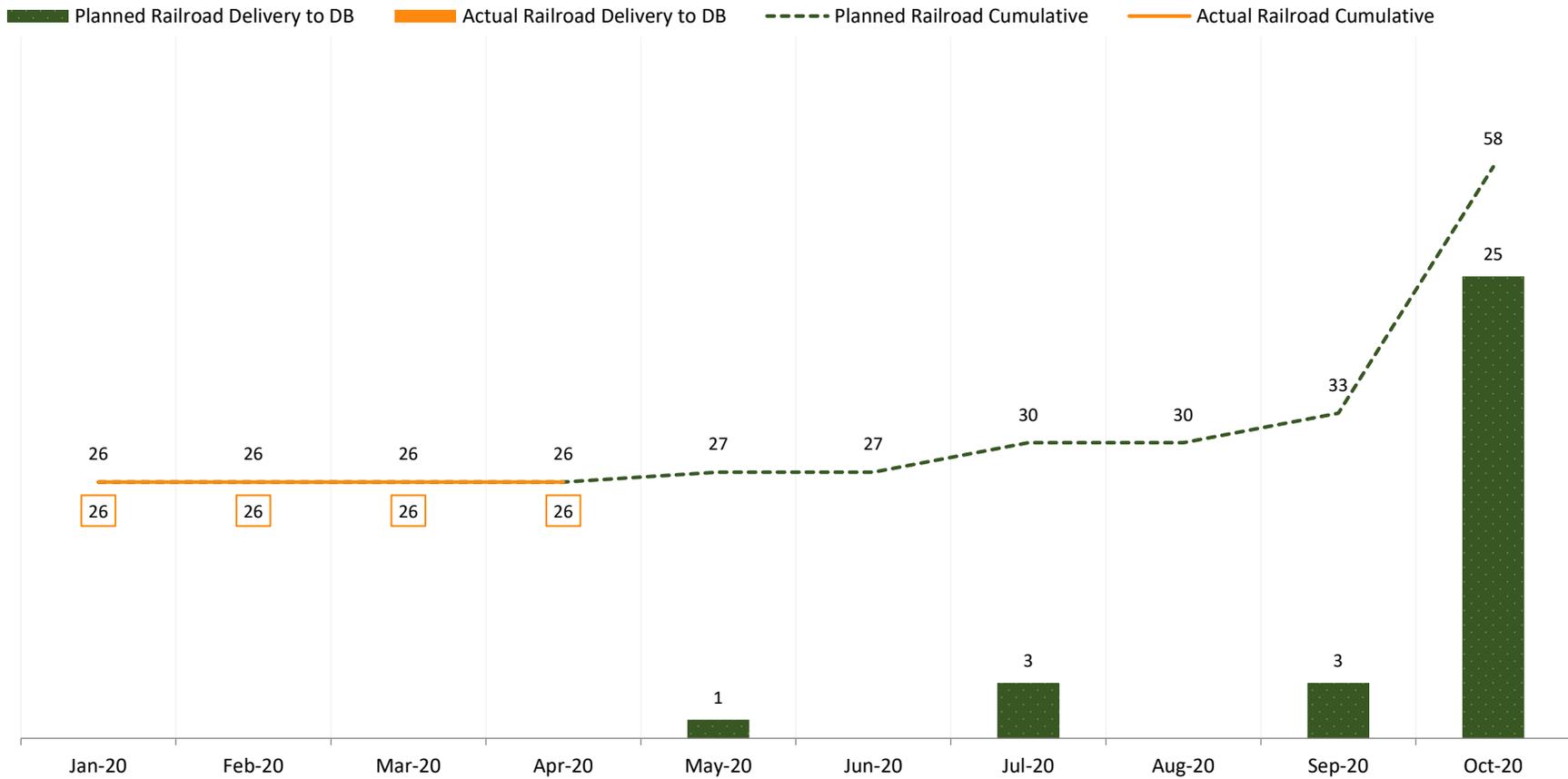
Notes:

1. A revised projection will be updated with the finalization of the Revised Baseline Schedules (RBSs).
2. Planned Delivered to DB parcels adjusted from last month's report due to continued refinement of the RBS.
3. Actual cumulative line for April 2020 reflects delivered parcels that are forecasted in future months.

CP 2-3 – ROW Railroad Summary

Construction Package	Total Needed Railroad Parcels April 30, 2020	Total Railroad Parcels Delivered to Date April 30, 2020	Remaining Railroad Parcels to be Delivered April 30, 2020
CP 2-3	58	26	32

CP 2-3 – Railroad Parcel Delivery to DB Summary



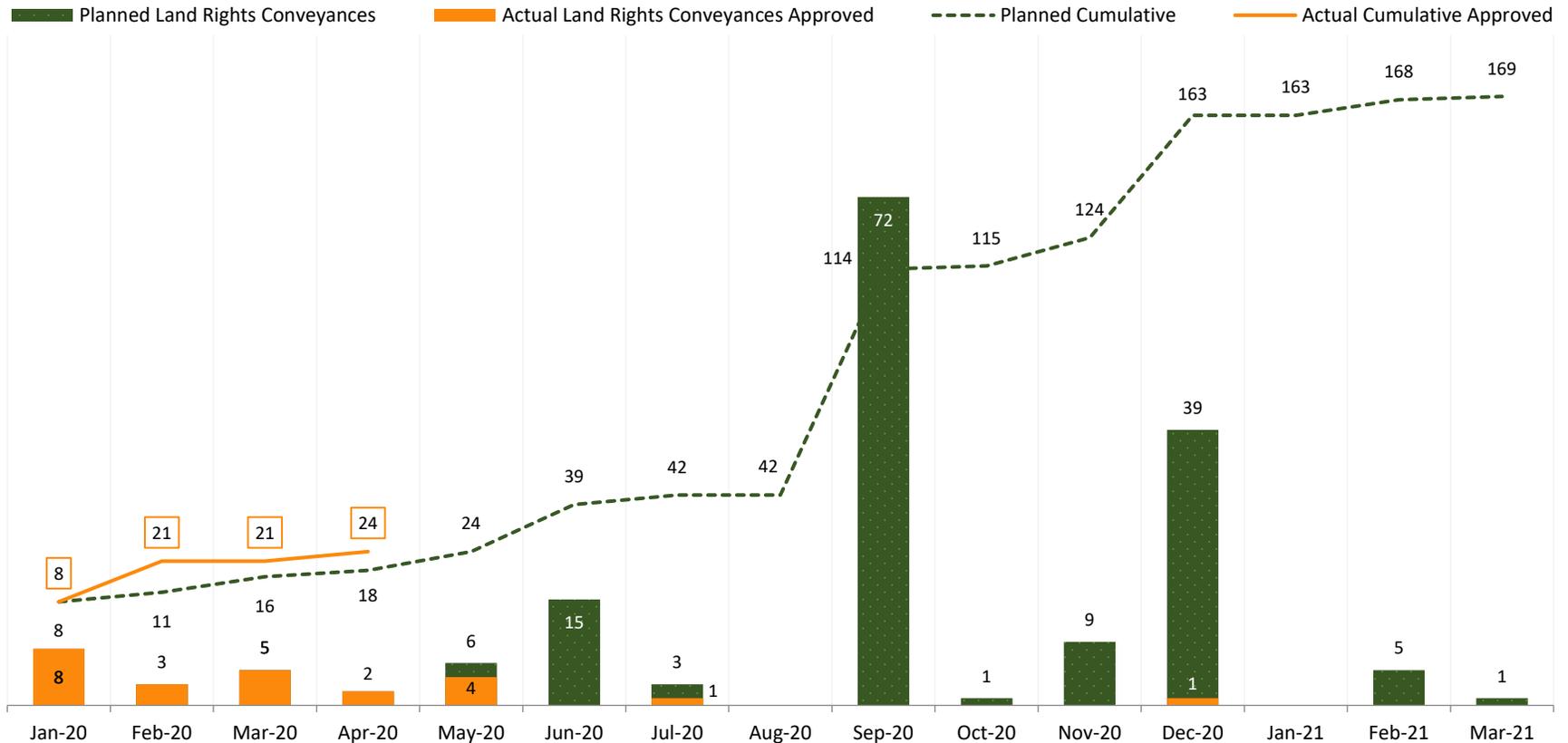
Notes:

1. A revised projection will be updated with the finalization of the Revised Baseline Schedules (RBS).
2. Planned Railroad Delivery to DB parcels adjusted from last month's report due to continued refinement of the RBS.

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

Construction Package	Total Needed Land Rights Conveyances April 30, 2020	Total Land Rights Conveyances Approved ⁵ to Date April 30, 2020	Remaining Land Rights Conveyances to be Approved April 30, 2020
CP 2-3	169	24	145

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



Notes:

1. A revised projection will be updated with the finalization of the Revised Baseline Schedule (RBS).
2. The PG&E letter agreement (executed May 6, 2020) reclassified numerous land rights conveyances as non-critical for construction and is reflected above.
3. Actual Cumulative for April 2020 includes completed land rights conveyances that are forecasted in future months.
4. Planned land rights conveyances were adjusted from last month's report due to continued refinement of the RBS.
5. Approved is defined as land rights conveyances approved and sent to PG&E for signature and includes recorded.

CONSTRUCTION PACKAGE 4 (CP 4) OVERVIEW

CP 4 – Design-Build Contract Summary

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 Completion Date:	06/30/2021

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:	\$115,994,414.33
Current Contract Amount:	\$560,241,414.33
Approved Invoices to Date ¹ :	\$302,866,036.00
Remaining Contract Balance:	\$257,375,378.33

Contract Time Status

Description	Duration ²
Original Contract Days:	1,144
Extension of Time Awarded:	757
Current Contract Days:	1,901
Work Days Spent (thru 04/30/2020):	1,475

Expended to Date

Description	Percentage
Time:	77.6%
Dollars:	54.1%

Growth Percentage

Description	Percentage
Time:	66.2%
Dollars:	26.1%

Notes:

1. Includes actuals through March 2020 and estimate for April 2020.
2. Calendar Days.

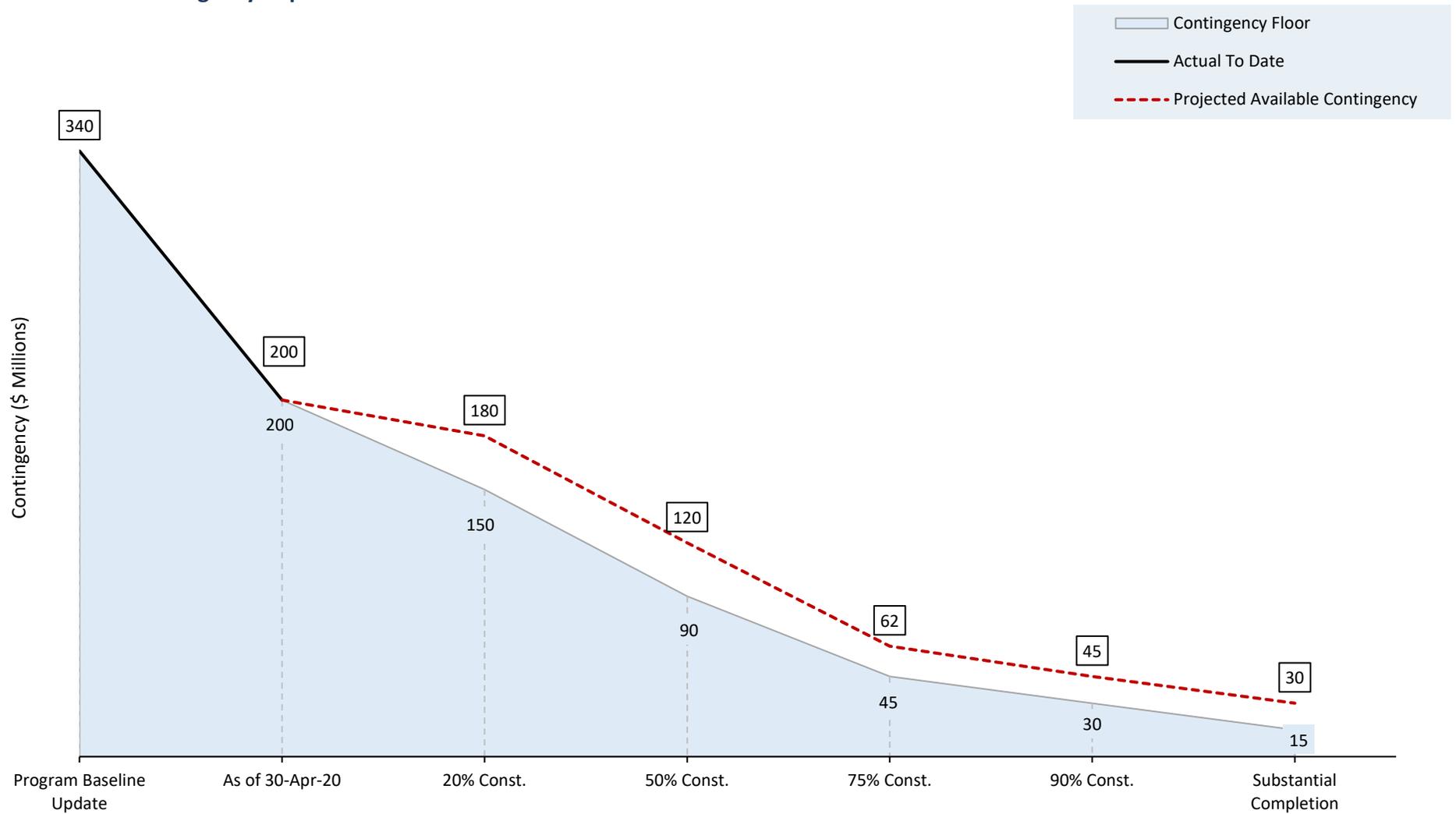
CP 4 – Executed Change Order Status

CP 4 – Executed Change Order Status

CO Number	Title	Change Status	Amount	Executed Date
55	Peterson Rd. Bridge Extension Mitigation Measure	Executed	\$4,998,981.43	21-Apr-20
Total:			\$4,998,981.43	

CP 4 – Risk - Contingency Report

CP 4 – Risk - Contingency Report

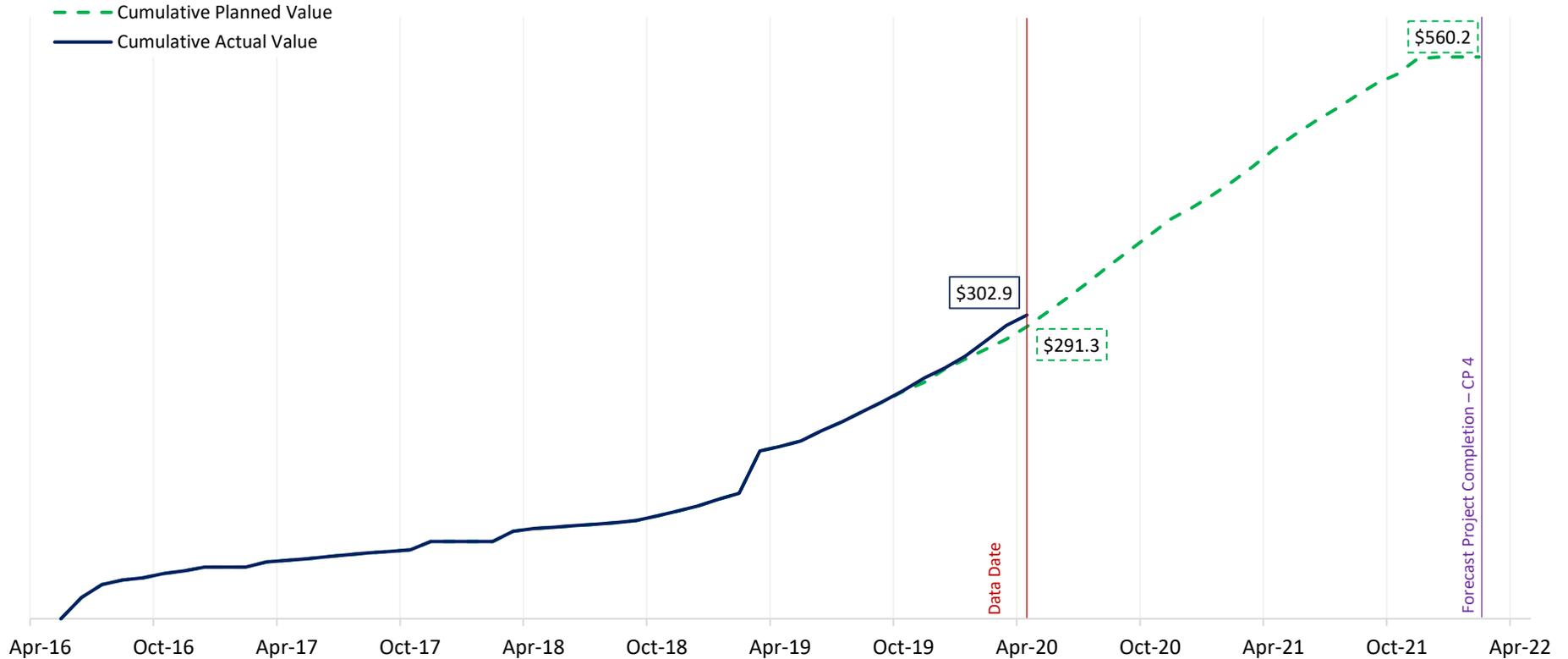


Notes:

1. 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 updated contingency amount for the entire CP 4 Project.
2. Contract through April 30, 2020.

CP 4 – Earned Value

CP 4 – Planned vs. Actual Expenditures from Contract Award Through Contract Completion (\$ Millions)



CP 4 – Projected Milestones

Milestone	Date
Main Design Complete	Feb-20 (Complete)
ROW Acquisition Complete	Dec-20

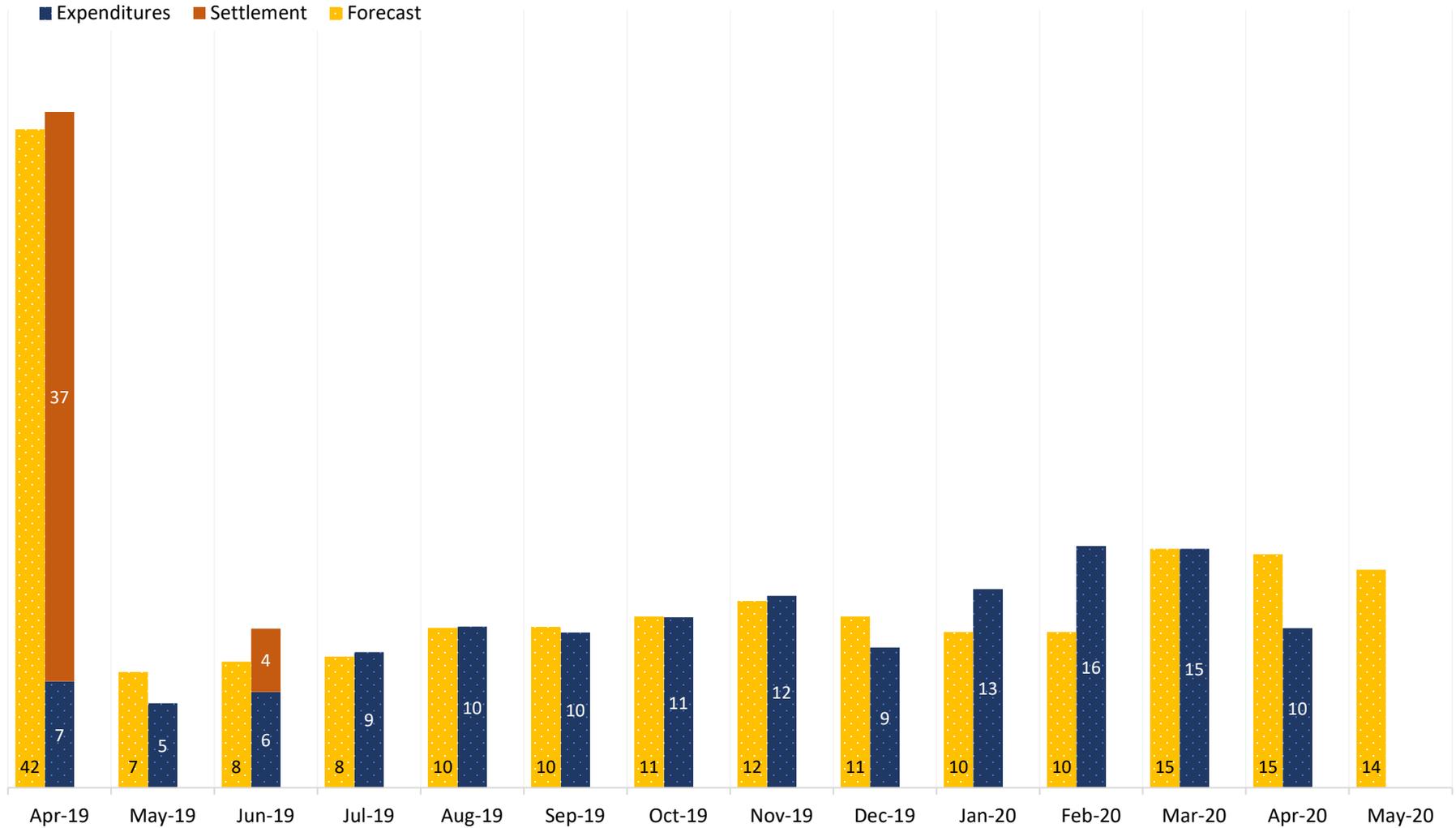
Milestone	Date
Environmental Clearance Complete	Jul-20 ³
Utility Relocation Complete	Mar-21

Notes:

1. A revised projection will be updated upon the finalization of the Revised Baseline Schedule (RBS).
2. The above contract value does not include unexecuted change orders including SR-46 BNSF structure.
3. Additional Environmental Clearance on lands requiring utility relocations delayed per CRB to July 2020.

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

CP 4 – Fiscal Year Expenditures (\$ Millions)

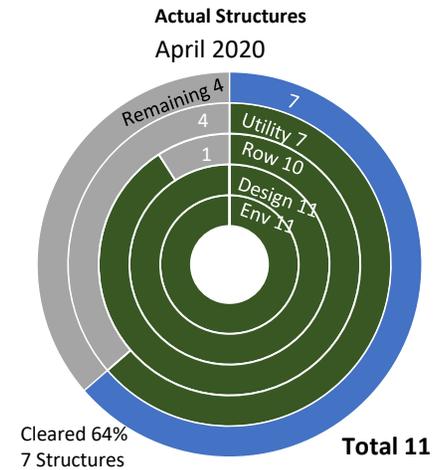


Notes:

1. Expenditures in the chart above are specific to the Design-Builder production and based on the certified invoice and do not include accrual adjustments.
2. The sudden increase in the expenditure value in April 2019 is due to Time Impact Analysis settlement.
3. A revised projection will be updated upon the finalization of the Revised Baseline Schedule (RBS).

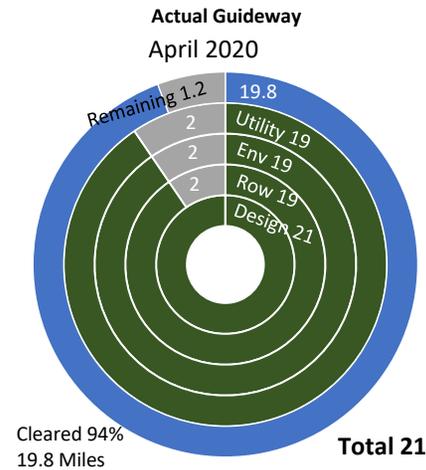
CP 4 – Construction Progress

CP 4 – Construction Progress



Forecasted Structures

Projections will be included upon the finalization of the Revised Baseline Schedule (RBS)

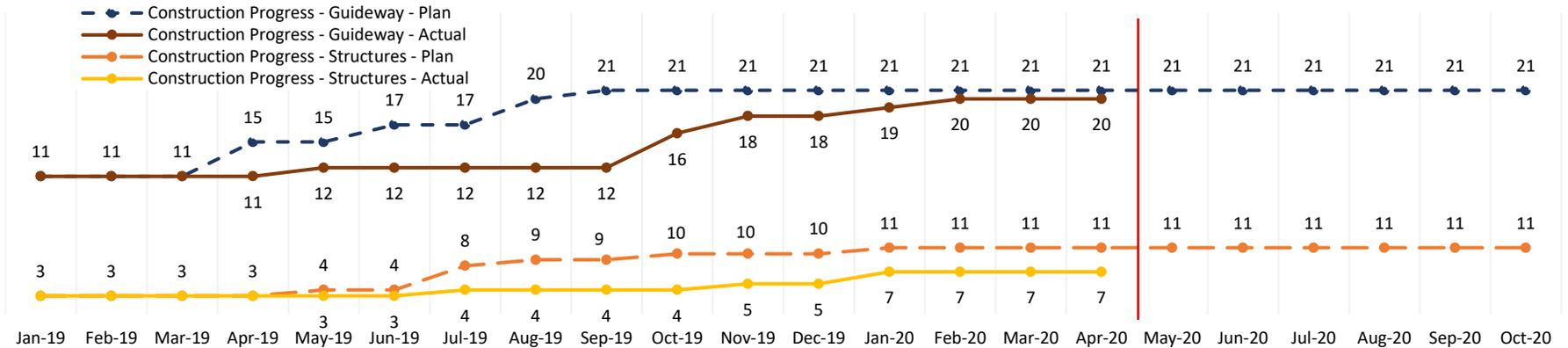


Forecasted Guideway

Projections will be included upon the finalization of the Revised Baseline Schedule (RBS)



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



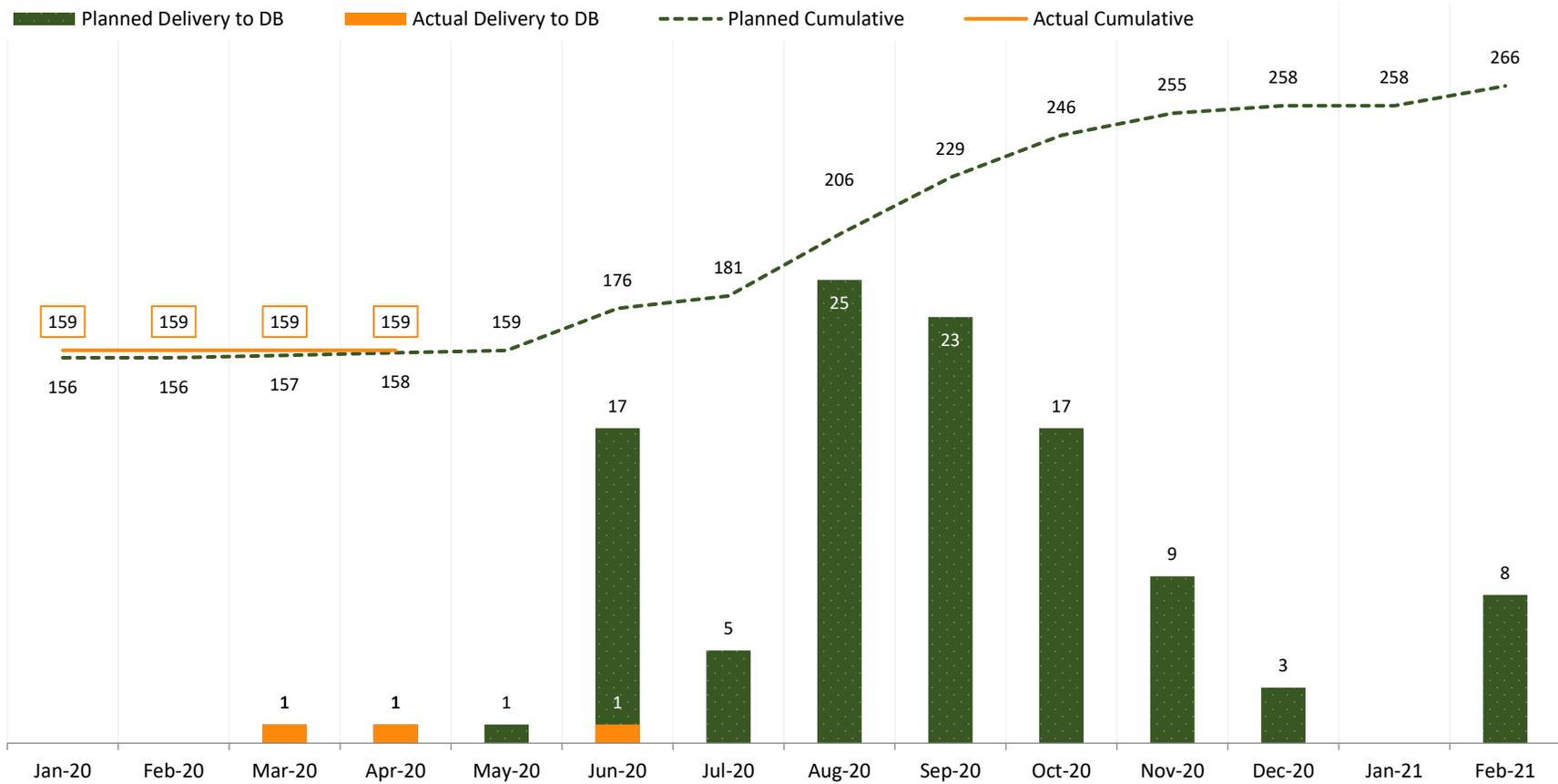
Notes:

1. Total Structures: 11 structures.
2. Total Guideway: 21 miles.
3. Actual Guideway progress for April 2020 was 19.8 miles. The graph reflects 20 miles due to the rounding up within the mathematical formula.
4. A revised projection will be updated upon the finalization of the Revised Baseline Schedule (RBS).

CP 4 – ROW Summary

Construction Package	Total Needed Parcels April 30, 2020	Total Parcels Delivered to Date April 30, 2020	Remaining Parcels to be Delivered April 30, 2020
CP 4	266	159	107

CP 4 – Parcel Delivery to DB Summary



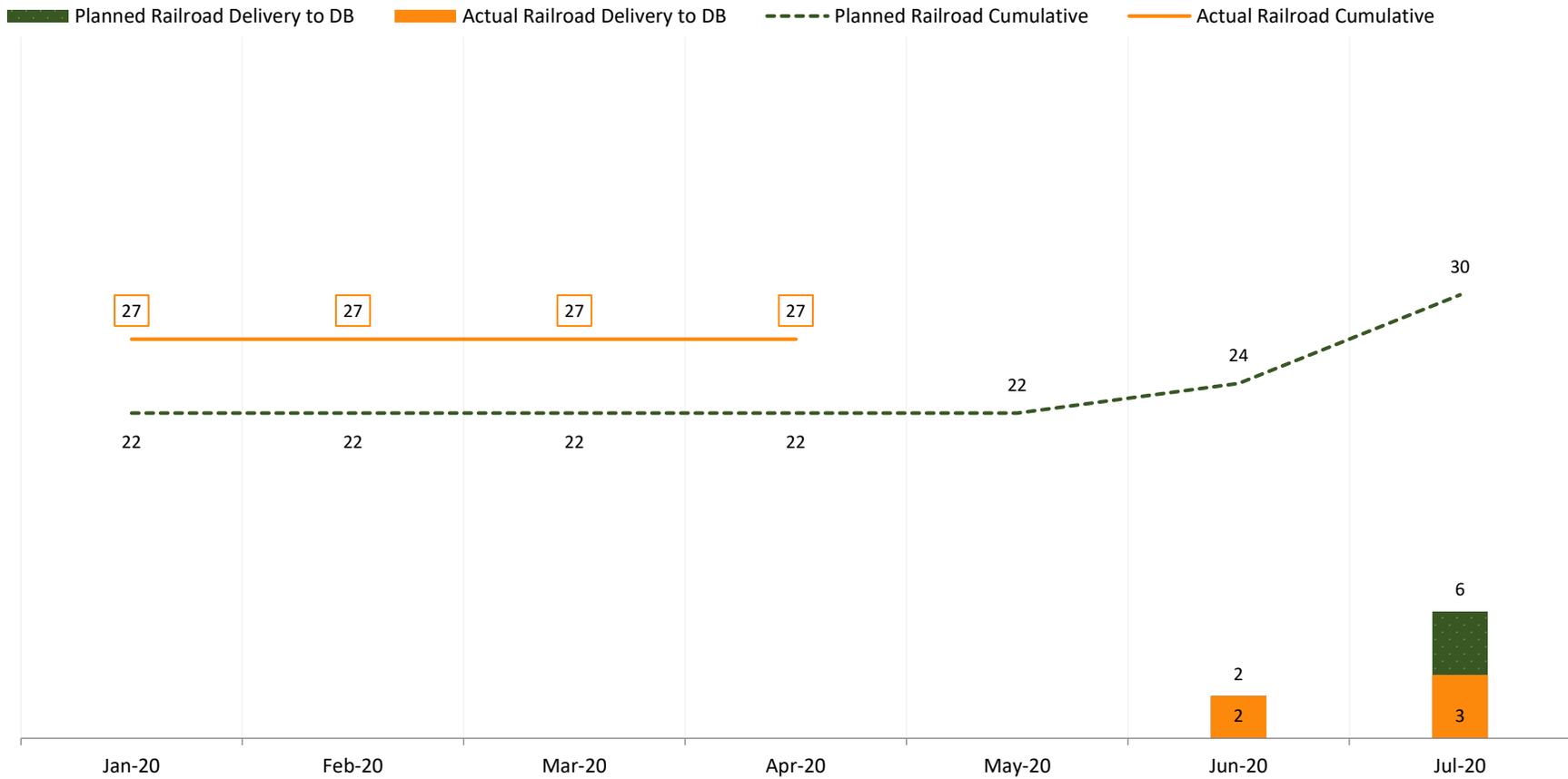
Notes:

1. A revised projection will be updated with the finalization of the Revised Baseline Schedules (RBSs).
2. Planned Delivered to DB parcels adjusted from last month's report due to continued refinement of the RBS.
3. Actual cumulative line for April 2020 reflects delivered parcels that are forecasted in future months.

CP 4 – ROW Railroad Summary

Construction Package	Total Needed Railroad Parcels April 30, 2020	Total Railroad Parcels Delivered to Date April 30, 2020	Remaining Railroad Parcels to be Delivered April 30, 2020
CP 4	30	27	3

CP 4 – Railroad Parcel Delivery to DB Summary



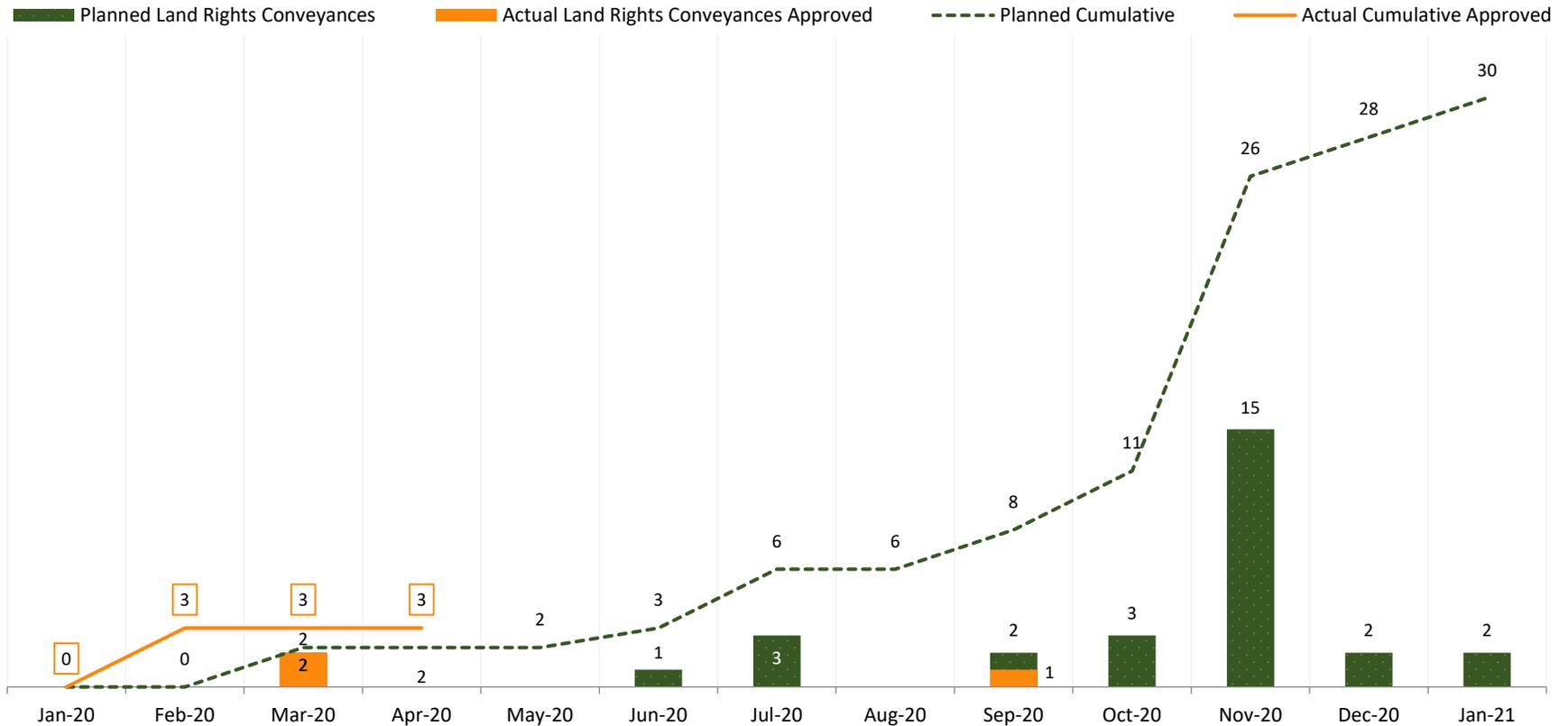
Notes:

1. A revised projection will be updated with the finalization of the Revised Baseline Schedules (RBS).
2. Planned Railroad Delivery to DB parcels adjusted from last month's report due to continued refinement of the RBS.

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

Construction Package	Total Needed Land Rights Conveyances April 30, 2020	Total Land Rights Conveyances Approved ⁵ to Date April 30, 2020	Remaining Land Rights Conveyances to be Approved April 30, 2020
CP 4	30	3	27

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

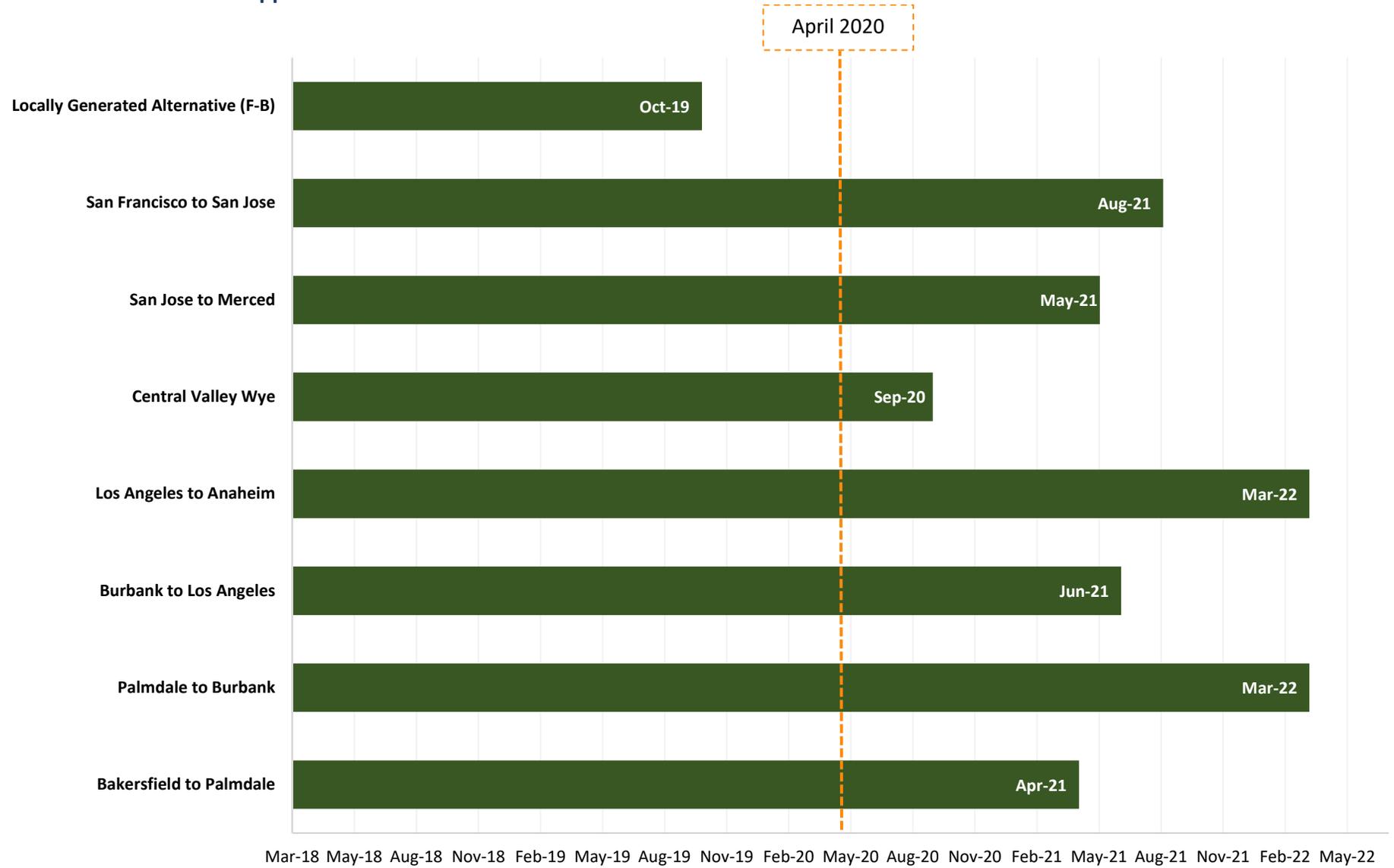


Notes:

1. A revised projection will be updated with the finalization of the Revised Baseline Schedule (RBS).
2. The PG&E letter agreement (executed May 6, 2020) reclassified numerous land rights conveyances as non-critical for construction and is reflected above.
3. Actual Cumulative for April 2020 includes completed land rights conveyances that are forecasted in future months.
4. Planned land rights conveyances were adjusted from last month's report due to continued refinement of the RBS.
5. Approved is defined as land rights conveyances approved and sent to PG&E for signature and includes recorded.

Project Development Schedule – Record of Decision (ROD)

Phase 1 Environmental Approval Schedule



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%
1	San Francisco to San José	Plan Forecast % Complete	Complete Complete 100%	Complete Complete 100%	Complete Complete 100%	Complete Complete 100%	Complete Complete 100%	Complete Complete 100%	Apr-20 Jun-20 70%	Apr-20 Jul-20 78%	Jun-21 Aug-21 0%	Jun-21 Aug-21 ¹ 0%	Aug-21	Aug-21
2	San José to Merced	Plan Forecast % Complete	Complete Complete 100%	Complete Complete 100%	Complete Complete 100%	Complete Complete 100%	Complete Complete 100%	Complete Complete 100%	Mar-20 Apr-20 86%	Complete Complete 100%	Apr-21 May-21 ² 0%	Apr-21 May-21 ² 0%	Apr-21 May-21 ² 0%	May-21
3	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%	Sep-20 Sep-20 68%	Sep-20 Sep-20 80%	Sep-20	Sep-20
4	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 Jan-21 72%	Nov-20 Feb-21 75%	Dec-21 Feb-22 ³ 0%	Dec-21 Mar-22 ³ 0%	Feb-22	Mar-22
5	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%	Feb-20 May-20 90%	Complete Complete 100%	Jan-21 Jun-21 ⁴ 0%	Jan-21 Jun-21 ⁴ 0%	Jun-21	Jun-21
6	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 Feb-20 66%	Feb-20 Jan-21 ⁵ 66%	Aug-21 Jan-22 ⁵ 0%	Aug-21 Mar-22 ⁵ 0%	Aug-21 Jan-22 ⁵ 0%	Mar-22
7	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 Apr-21 ⁶ 0%	Feb-21 Apr-21 ⁶ 0%	Feb-21 Apr-21 ⁶ 0%	Apr-21
8	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:**
- Two-month delay due to late submittal of cooperating agency comments, remediation time to meet Web Content Accessibility Guidelines (WCAG) to address internal reviews and resource constraints.
 - One-month delay due to late submittal of cooperating agency comments, remediation time to meet Web Content Accessibility Guidelines (WCAG) to address internal reviews and resource constraints.
 - Three-month delay due to late submittal of BNSF environmental deliverables. An additional month of delay was incurred this month as some deliverables expected in Mar 2020 were delivered in Apr 2020.
 - Five-month delay due to late submittal of cooperating agency comments, remediation time to meet Web Content Accessibility Guidelines (WCAG) to address internal reviews and resource constraints.
 - Publication of draft corrected to address delay due to additional consultation with the USACE and EPA. Seven-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 NEPA Assignment Team before CEO signature, and to incorporate internal resource constraints.
 - Two-month delay due to design revision to accommodate CCNM.

Project Development – Key Actions

In April 2020, the Authority conducted Environmental Impact Report (EIR)/Environmental Impact Statement (EIS) document reviews for several project sections. This included an additional final NEPA Assignment Team QA review of the San Francisco to San José Project Section Draft EIR/EIS document because of needed changes by the EEC, which delayed public release by two weeks to July 10, 2020, publishing the San José to Merced Draft EIR/EIS for public review and comment, and the CVY Admin Final SEIR/S for Cooperating Agency & Caltrans review. The National Environmental Policy Act (NEPA) Assignment Team also conducted its review responsibilities for the Bakersfield to Palmdale Administrative Draft EIR/EIS and completed a review for the Burbank to Los Angeles Administrative Draft EIR/EIS. For permitting, work continued to obtain environmental approvals (e.g., a Biological Opinion from the U.S. Fish and Wildlife Service) and Fresno to Bakersfield - Locally Generated Alternative, and Central Valley Wye permits needed for project construction.

Project Development – Key Actions Summary

Project Section	Key Actions
San Francisco to San José	<ul style="list-style-type: none"> Authority completed an additional NAT QA review of the Draft EIR/EIS because of needed changes by the EEC, which delayed public release by two weeks to July 10, 2020. Continued coordination with Bay Conservation & Development Commission (BCDC), City of Brisbane, and the City of Millbrae.
San José to Merced	<ul style="list-style-type: none"> Published Draft EIR/EIS on April 24, as directed by CEO on March 13. Planning for transition of public open houses and public hearing from in-person to live Internet-based media is progressing to hold all meetings on schedule.
Central Valley Wye	<ul style="list-style-type: none"> Distributed the Administrative Final Supplemental EIR/EIS for Co-operating Agency & Caltrans review on April 29. The 45-day public comment period for the CVY Revised/Second Draft SEIR/S closed on April 27. No new issues raised. Continued coordination with Chowchilla Elementary School District on assessment of school bus routes, and advanced draft agreements with Madera County and the City of Chowchilla regarding mitigation measures for the Fairmead community.
Locally Generated Alternative	<ul style="list-style-type: none"> The Combined Supplemental Record of Decision and Final Supplemental Environmental Impact Statement was released to the public and noticed in the Federal Register on November 8, 2019. Prepared the Section 404 and Section 401 Clean Water Act permits and Section 1602 permit for project construction for Authority review and approval.
Bakersfield to Palmdale	<ul style="list-style-type: none"> Public review period was extended 15 days to accommodate access challenges resulting from the COVID-19 “stay at home” Executive Order. The public Hearing was moved from an in-person meeting on April 9 to a “virtual” meeting via live stream on April 23. The public comment period closed on April 28. Approximately 120 comment submissions were submitted on the Draft EIR/EIS. The RC is currently delimiting the comments and preparing to develop responses.
Palmdale to Burbank	<ul style="list-style-type: none"> Completed in-progress workshops with the USACE and EPA on April 1 to demonstrate alternatives considered to avoid Una Lake. USACE and EPA responded favorably. Completed workshops with representatives of LA County Board of Supervisors and the communities of Acton, Agua Dulce, and Santa Clarita. Acton is very pleased with the new alignment; However, Agua Dulce and Santa Clarita seek avoidance through another alternative of all underground option. Completed the Record Set Preliminary Engineering for Project Definition (PEPD) documents and submitted them to the Federal Railroad Administration for review and comment.
Burbank to Los Angeles	<ul style="list-style-type: none"> Incorporated comments received from Cooperating and Responsible Agencies on the Administrative Draft EIR/EIS into the Draft EIR/EIS. Conducted an open-house meeting/webinar in Burbank on March 9, 2020, and webinars on March 11-12, 2020, to provide project updates to the public. The Burbank to Los Angeles Draft EIR/EIS is expected to be released for public review in May 2020.
Los Angeles to Anaheim	<ul style="list-style-type: none"> Continued coordination with BNSF on project elements and analysis methods to be included in the Draft EIR/EIS. The first round of meetings to brief key officials in San Bernardino County on the Colton and Lenwood projects is complete. There is a three-month delay due to late submittal of BNSF environmental deliverables. An additional month of delay was incurred this month as some deliverables expected in Mar 2020 were delivered in Apr 2020.