



Finance & Audit Committee

CENTRAL VALLEY STATUS REPORT

July 2020 Report (data through May 2020)

Executive Summary

Overall - Report projections will be updated with Revised Baseline Schedules (RBS) finalization.

Cumulative Invoicing to fulfill American Recovery and Reinvestment Act (ARRA) Grant (Page 10):

- Total Cumulative Actual Invoice - \$2,628.1M compared to Total Cumulative Forecasted Actual Invoice – \$2,568.6M
- Total Estimated Cumulative Actual Invoice to fulfill ARRA – \$6,227.3M (includes estimate for Track and Systems). No change

Construction Packages (CPs) Invoicing (Pages 9 & 11):

- May Total Actual Invoice - \$68.2M compared to Total Forecasted Invoice – \$58M.
- Anticipated June Total Invoice - \$61M.
- Total CP Cumulative Actual Invoice - \$2,628.1M compared to Total CP Cumulative Forecasted Invoice – \$2,568.6M. Total Cumulative Current Contract Amount – \$4,285.2M. 61.3% expensed to date.
- Total Executed Change Orders – \$49.8M.

CP Construction Labor (Page 12):

- Total Monthly Average – 843 daily-workers. Previous month increase from 750 daily-workers.
- Contractors continued with construction while following the Centers for Disease Control and Prevention (CDC) and Occupational Safety and Health Administration’s (OSHA) safety protocols and guidelines.
- In mid-May, CP 4 experienced two positive COVID-19 cases. Forty-six people were quarantined as a precaution and all returned to work by the end of the month.

CP Construction/Underway (Page 13):

- Guideway - 78 miles constructed/underway compared to 119 miles total. No increase from previous month.
- Structures - 42 constructed/underway compared to 93 structures total. One structure increase from previous month.

CP Real Property/Right-of-Way (Pages 14-17):

- May Parcels Delivered to Design-Builder (DB) – Eight parcels. Zero delinquent critical parcels.
- Total Parcels Delivered to Date – 1,597 parcels compared to Estimated Total Parcels Needed – 2,340 parcels.
- May Railroad Parcels Delivered to Design-Builder – Zero parcels. Zero delinquent critical parcels.
- Total Railroad Parcels Delivered to Date – 112 parcels compared to Estimated Total Railroad Parcels Needed – 183 parcels.
- May Land Right Conveyances (Tier I) received approval - 21 Land Right Conveyances and zero delinquent critical land conveyances.

Third-Party Agreements (Pages 18 & 19):

- Remaining Third-Party Agreements – 10 agreements. No change from previous month.

Environmental Clearance (Page 20):

- Remaining Amendments – Five agreements. No change from previous month.

Construction Package 1

Invoicing (Pages 21, 25 & 26):

- Actual Invoice - \$13.9M compared to Forecasted Invoice – \$18M. Downtown Fresno Viaduct and Road 27 Bridge delayed.
- Current Contract Completion Date – November 02, 2021. No change from previous month.
- Current Contract Amount – \$1,962M compared to Cumulative Total Invoice \$1,244M. 63.4% expensed to date.

Construction Labor:

- Total Monthly Average – 172 daily-workers. Previous month increase from 169 daily-workers.

Change Orders (Pages 22 & 23):

- Executed Change Orders – 29 for a total of \$31.9M.

Risk Contingency (Page 24):

- Original Contract Contingency - \$1,237M with Remaining Contract Contingency - \$500M.

Construction/Underway (Page 27):

- Guideway - 13 miles constructed/underway compared to 16 miles total needed. No increase from previous month.
- Structures - 17 constructed/underway compared to 29 total needed. No increase from previous month.

Real Property/Right-of-Way (Pages 28-30):

- Parcels Delivered to Design-Builder (DB) – Zero parcels and zero delinquent critical parcels.
- Total Parcels Delivered to Date – 829 parcels compared to Estimated Total Parcels Needed – 1,080 parcels.
- Railroad Parcels Delivered to Design-Builder – Zero and zero delinquent critical parcels.
- Total Railroad Parcels Delivered to Date – 59 parcels compared to Estimated Total Railroad Parcels Needed – 95 parcels.
- Land Right Conveyances (Tier I) Received Approval - 49 Land Right Conveyances and zero delinquent critical land conveyances.

Revised Baseline Schedules:

- Completed and submitted to the Authority for review.

Construction Progress Summary

Category	Status Update
General	<ul style="list-style-type: none"> • Main Design: 32 of the 38 packages have been Released for Construction (RFC). The remaining six packages are forecasted for RFC in July 2020. • Change Order (CO) for the Intrusion Protection Barrier (IPB) has been negotiated and will go before the Business Oversight Committee (BOC) in late June 2020. • Utility Workplans: 12 workplans have been approved including the Tulare Street - Kinder Morgan UPRR utility pipeline relocation and Mono Street's PG&E gas and electric utility relocations. • Third-Party Agreements: Completed and enacted six, enabling progress of up to 18 utility diversions for Herndon, Fresno Trench, Downtown Fresno, and Ashlan Avenue. • Environmental Clearance: Completed # of Incidental Take Permits (ITPs). • Secured PG&E Land Conveyance Exception allowing PG&E relocations to commence in advance of recorded land conveyances. • Removed the need for acquisition of some parcels, enabling first order utility work to commence at Avenue 15.5 and Road 26.
Structures	<ul style="list-style-type: none"> • Golden State Boulevard Viaduct: Poured Abutment 5 walls, columns and flare caps for Bents¹ 3 and 4; drilled Bent 2 and Abutment 1 Cast-In-Drilled-Hole (CIDH) piles. • American Avenue Overcrossing: Placed concrete for east abutment wing walls and placed embankment on the west side abutment. • San Joaquin River - Viaduct River Span: Made final touches and conducted clean-up on the Arch Span. • Redesign underway for Central Avenue, Avenue 15 ½, Avenue 9 and McKinley Avenue to avoid additional Right-of-Way (ROW) requirements. PG&E out grants² progressed, early civil packages expected August 2020. • Downtown Shoofly: Out-grants were delivered allowing the start of utility relocations. • Work on Shaw Avenue will ramp up in July 2020 once utility relocation commences. Church Avenue work continued, as the PCM and contractor worked to resolve and clarify factors that may impact the UPRR's electrical transmission line, which could require ROW and storm drainage redesign.
Guideway	<ul style="list-style-type: none"> • Design started for two miles of guideway between Ashlan Avenue and McKinley Avenue Connector. Not in contract scope. • Approximately 1.5 miles are delayed due to Mechanically Stabilized Earth (MSE) wall approval. • TPZP worked to complete three test piles to progress guideway in Madera County.

Notes:

1. 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.
2. 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.

Construction Package 2-3

Invoicing (Pages 31, 34 & 35):

- Actual Invoice - \$30.4M compared to Forecasted Invoice – \$26M.
- Current Contract Completion Date – April 18, 2022. No change from previous month.
- Current Contract Amount – \$1,751M compared to Cumulative Total Invoice \$1,057M. 60.4% expensed to date.

Construction Labor:

- Total Monthly Average – 462 daily-workers. Previous month increase from 403 daily-workers.

Change Orders (Page 32):

- Executed Change Orders – Six for a total of \$5.94M.

Risk Contingency (Page 33):

- Original Contract Contingency - \$1,085M with Remaining Contract Contingency - \$523M.

Construction/Underway (Page 36):

- Guideway - 45 miles constructed/underway compared to 57 miles total needed. No increase from previous month.
- Structures - 18 constructed/underway compared to 33 total needed. One structure increase from previous month.

Real Property/Right-of-Way (Pages 37-39):

- Parcels Delivered to Design-Builder (DB) – Four parcels and zero delinquent critical parcels.
- Total Parcels Delivered to Date – 609 parcels compared to Estimated Total Parcels Needed – 995 parcels.
- Railroad Parcels Delivered to Design-Builder – Zero and zero delinquent critical parcels.
- Total Railroad Parcels Delivered to Date – 26 parcels compared to Estimated Total Railroad Parcels Needed – 58 parcels.
- Land Right Conveyances (Tier I) Received Approval - 33 Land Right Conveyances and zero delinquent critical land conveyances.

Revised Baseline Schedules:

- DFJV is developing the Revised Baseline Schedule (RBS).

Construction Progress Summary

Category	Status Update
General	<ul style="list-style-type: none"> • Design: 71 of 100 design packages on CP 2-3 are approved. • Utility Relocations: 23 of 87 required relocations are complete. Civil work is underway at 27 locations prior to relocations work. • Third-Party Agreements: 74 of 79 required agreements executed and the remaining five are in review or in negotiations. • Environmental Clearance: <ul style="list-style-type: none"> ○ All ITPs approved. ○ 30 of 53 required Master Streambed Alteration Agreement (MSAA) sub-notifications approved. ○ All 408 Minor Applications under review with U.S. Army Corps or California Department of Fish and Wildlife (CDFW). • Review and approval of Hanford Viaduct, Conejo Avenue Bridge and the Tule River Bridge designs underway. • BNSF and Construction Agreement (Package A) executed furthering construction on utility relocations and Type II structures. • Deer Creek Storm Water District cost-to-cure expected June 2020. • Alpaugh Irrigation District cost-to-cure expected June 2020.
Structures	<ul style="list-style-type: none"> • Encroachment Permit Agreement reached with Fresno County on Adams Avenue closure. Bridge construction will start July 2020. • Land Right Conveyance: 10 PG&E utility relocations underway enabling Fowler Avenue and Dover Avenue bridges to start construction. • Caltrans Early Work Approvals: SR-43 at Tied Arch and SR-43 at Tule River; DB is responding to Caltrans comments and resubmitting; Caltrans approved the detour plans for SR-43 at Curved Bridge. • Peach Avenue, Kent Avenue, Kansas Avenue and Excelsior Avenue substantially complete. • Hanford Viaduct substructure substantially complete. • Davis Avenue bridge construction to commence early June 2020.
Guideway	<ul style="list-style-type: none"> • Design mitigation of Segment 3 soft soils expected in August, will open eight miles of additional guideway. • Riverside Ditch to Dover Avenue guideway construction scheduled to start June 2020.

Construction Package 4

Invoicing (Pages 40, 43 & 44):

- Actual Invoice - \$23.9M compared to Forecasted Invoice – \$14M.
- Current Contract Completion Date – June 30, 2021. No change from previous month.
- Current Contract Amount – \$572M compared to Cumulative Total Invoice \$326.7M. 57.1% expensed to date.

Construction Labor:

- Total Monthly Average – 209 daily-workers. Previous month increase from 155 daily-workers.

Change Orders (Page 41):

- Executed Change Orders – Two for a total of \$11.9M.

Risk Contingency (Page 42):

- Original Contract Contingency - \$340M with Remaining Contract Contingency - \$188M.

Construction/Underway (Page 45):

- Guideway - 20 miles constructed/underway compared to 21 miles total needed. No increase from previous month.
- Structures - Seven constructed/underway compared to 11 total needed. No increase from previous month.

Real Property/Right-of-Way (Pages 46-48):

- Parcels Delivered to Design-Builder (DB) – Zero parcels and zero delinquent critical parcels.
- Total Parcels Delivered to Date – 159 parcels compared to Estimated Total Parcels Needed – 266 parcels.
- Railroad Parcels Delivered to Design-Builder – Zero and zero delinquent critical parcels.
- Total Railroad Parcels Delivered to Date – 27 parcels compared to Estimated Total Railroad Parcels Needed – 30 parcels.
- Land Right Conveyances (Tier I) Received Approval - Three Land Right Conveyances and zero delinquent critical land conveyances.

Revised Baseline Schedules:

- Completed and submitted to the Authority for review.

Construction Progress Summary

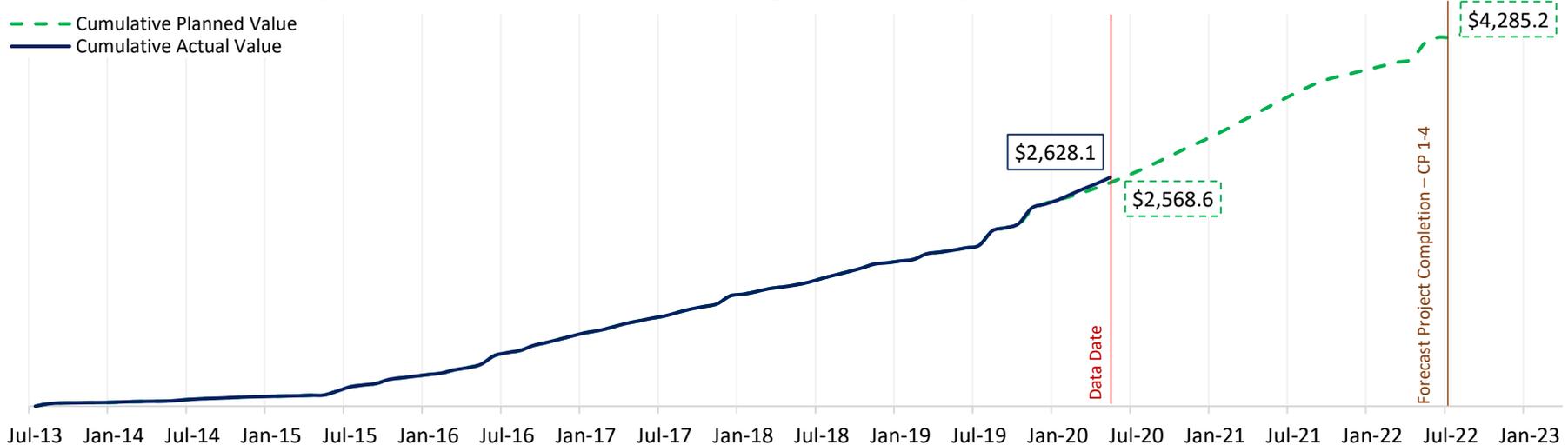
Category	Status Update
General	<ul style="list-style-type: none"> Guideway and structure designs complete, except for Peterson Road Underpass. Utility Relocations: 20 of the 173 required relocations were completed. Civil work is underway at seven locations prior to relocations work. Third-Party Agreements: 44 out of 51 required agreements executed and remaining seven are in review or in negotiations. Environmental Clearance: 11 out of 13 required ITPs were completed; the remainder will be acquired within the 3rd quarter of 2020.
Structures	<ul style="list-style-type: none"> Peterson Road Underpass is undergoing redesign to optimize utility relocation. Completed Intrusion Protection Barrier (IPB) Cast in Place (CIP) wall between McCombs Avenue and SR-46. Construction continues on seven structures: Garces Highway Underpass, Pond Road Underpass, SR-46 HSR, Poso Creek Overpass, Wasco Viaduct, Merced Avenue Overpass, and the Kimberlina Road Underpass.
Guideway	<ul style="list-style-type: none"> Started work on Access Road south of Peterson Road, and on the BNSF Shoofly. Continued work on the wildlife crossings north and south of Garces Highway. Embankment, slope trimming and topsoil placement ongoing throughout guideway. Utility relocations, PG&E, SEMPRA, AT&T and others ongoing at numerous sites.

- Note:**
- An Incidental Take Permit (ITP) is a permit issued under Section 10 of the United States Endangered Species Act (ESA) to private, non-federal entities undertaking otherwise lawful projects that might result in the 'take' of an endangered or threatened species. Application for an incidental take permit is subject to certain requirements, including preparation by the permit applicant of a conservation plan.

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 May 31, 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 (\$4.3B) 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 \$4.3B 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

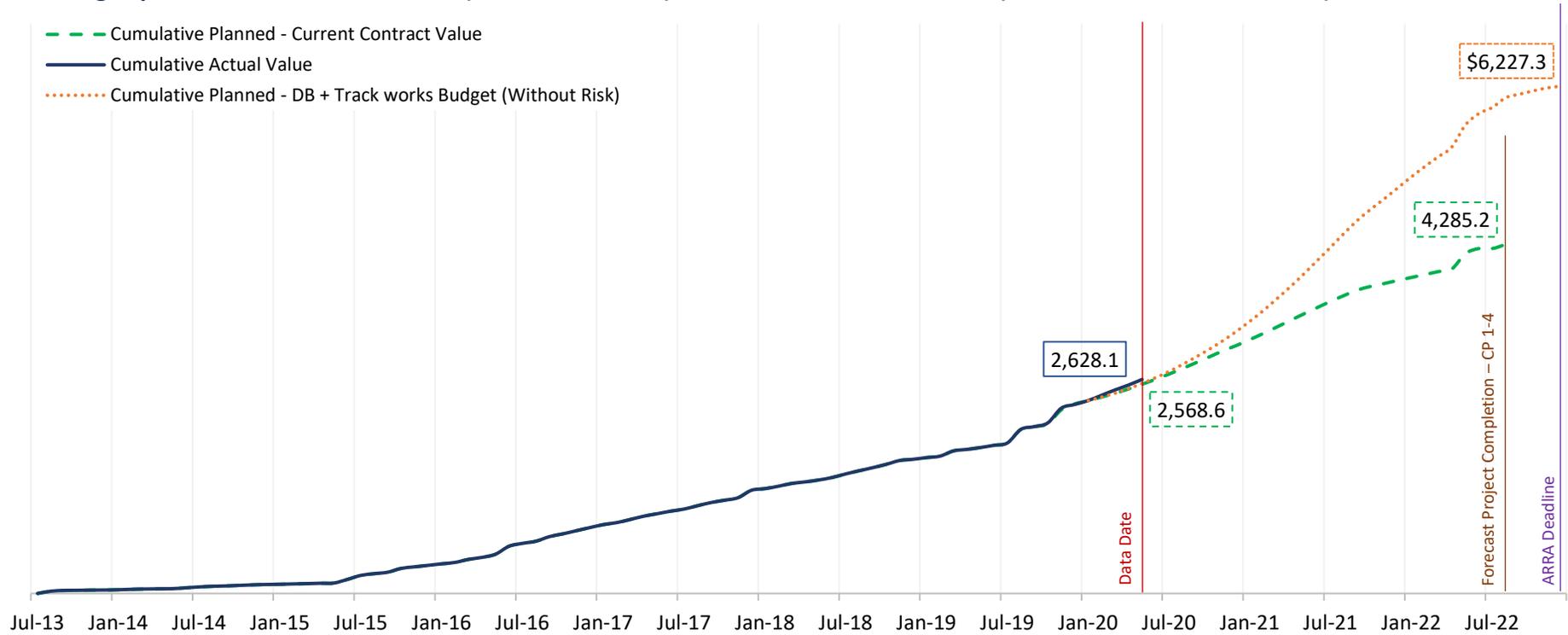
Milestone	Date
05. CP 2-3 Main Design Complete	Dec-20 ⁵
06. CP 2-3 ROW Acquisition Complete	Jan-21 ²
07. CP 2-3 Environmental Clearance Complete	May-20 (Complete)
08. CP 2-3 Utility Relocation Complete	Mar-21

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. This 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 to review the Hazardous Abatement designs at the structure and guideway sites.
4. Additional Environmental Clearance on lands requiring utility relocations delayed to July 2020, per California Rail Builders (CRB).
5. CP 2-3 Main Design has been pushed to December 2020 as the DB, PCM, Caltrans and BNSF address design delays for the utility relocations. This is critically impacting the schedules.

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



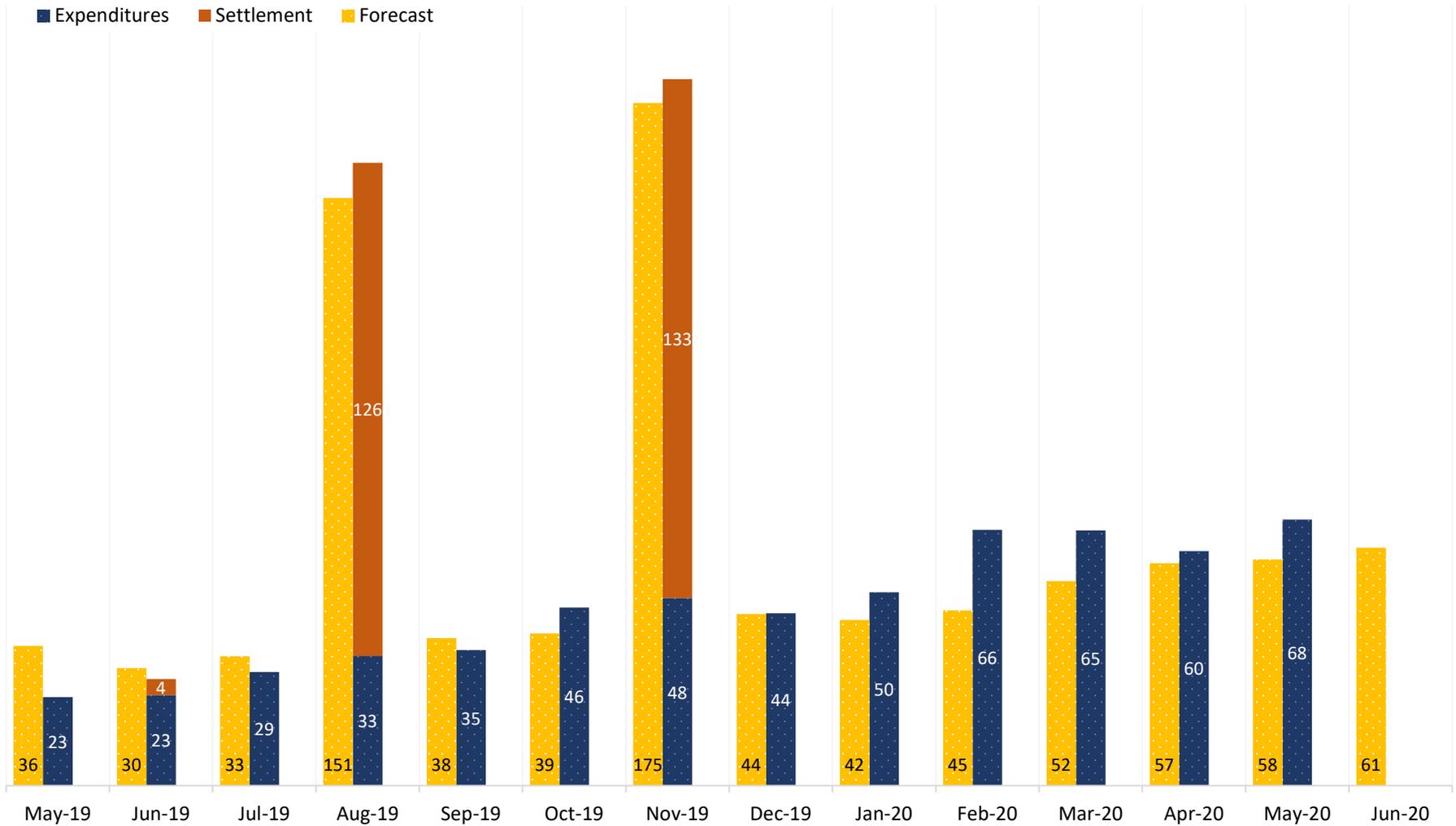
Remaining DB and Track Work Baseline Items:

- 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 contact 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’s 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 increased from \$4,235.0M to \$4,285.2M due to \$50.2M in May 2020 CO executions.

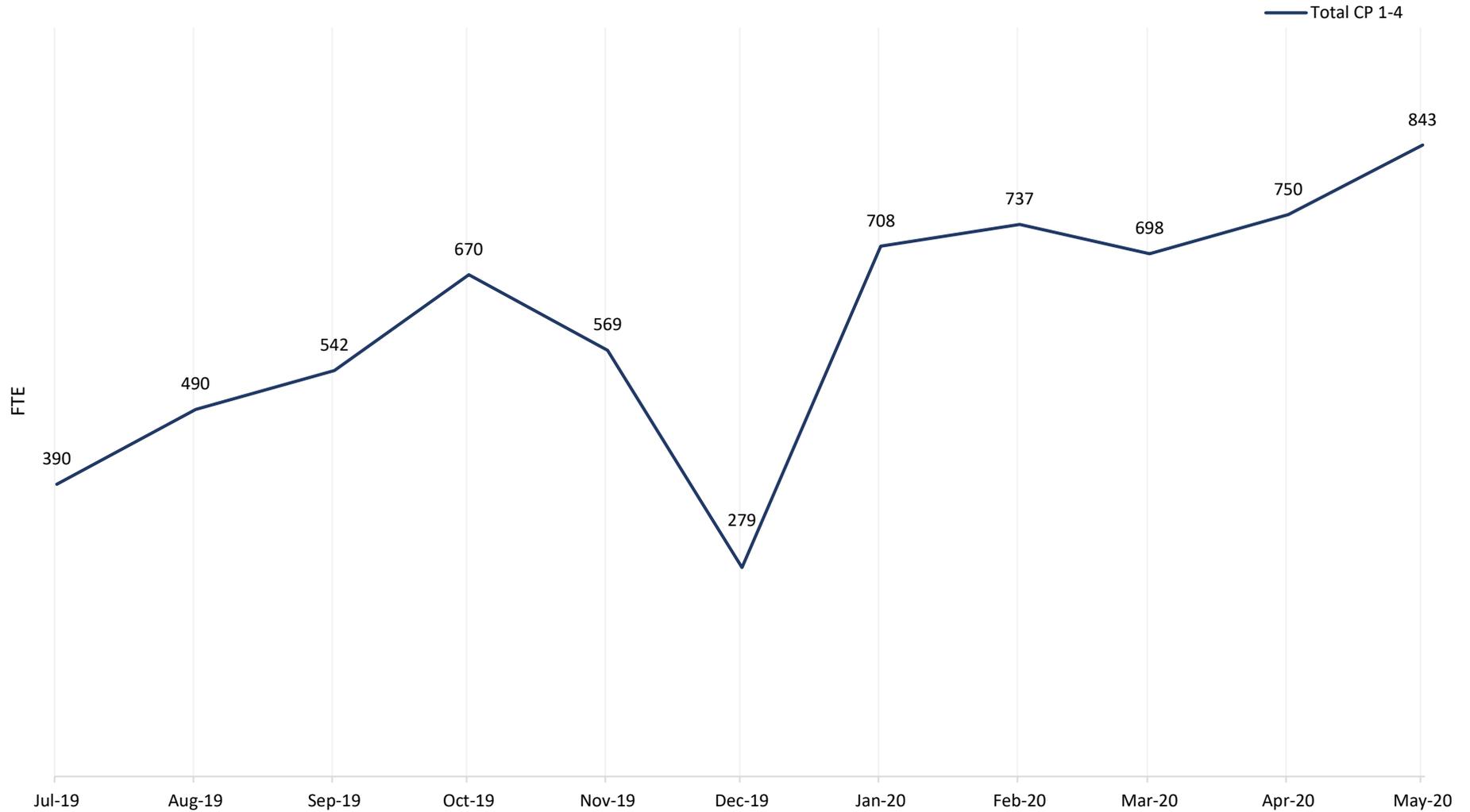
CP 1-4 - Design-Build Planned vs. Actual Expenditures – Near Term
CP 1-4 – Monthly Expenditures (\$ Millions)



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.

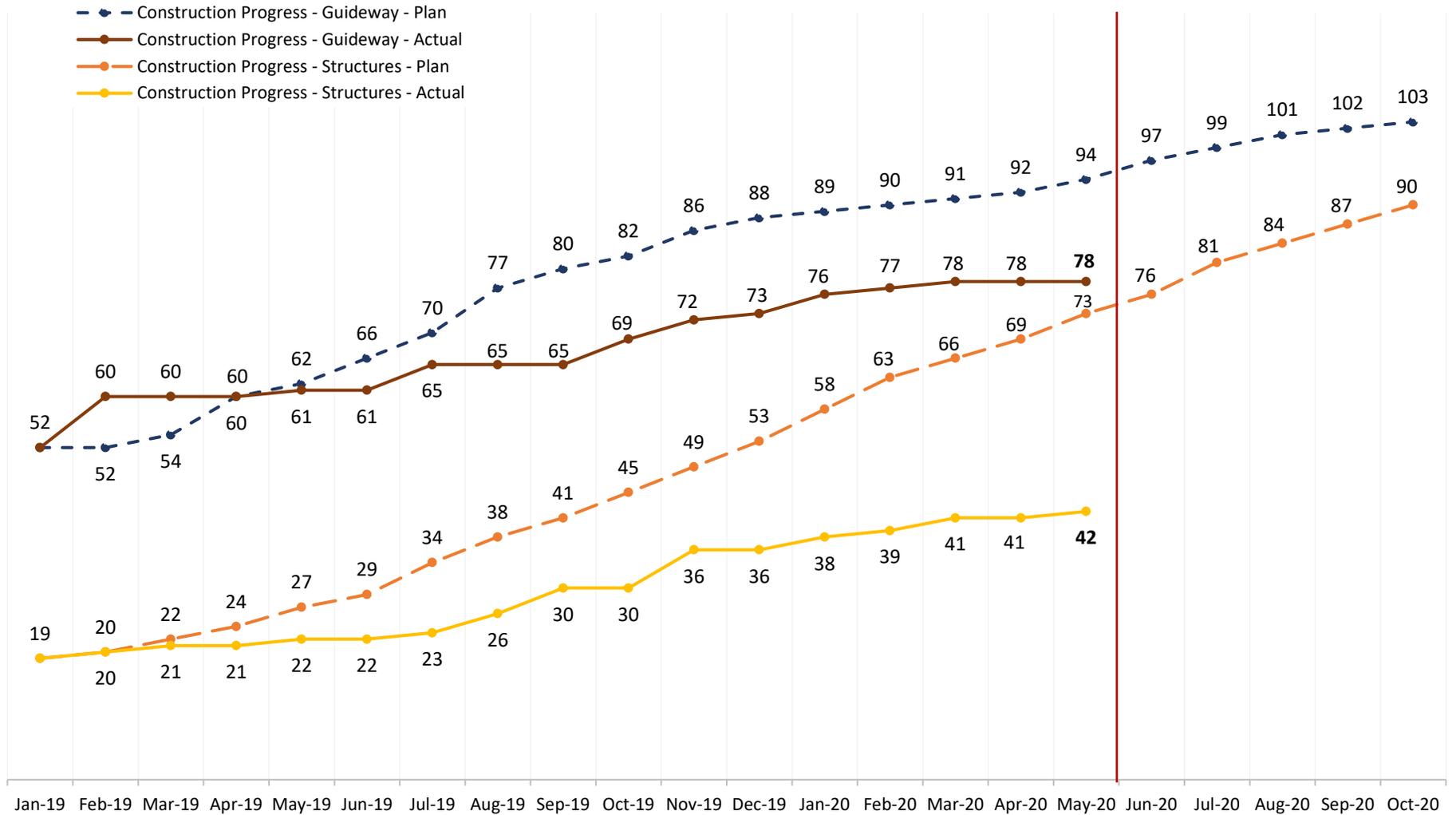
CP 1-4 Monthly Construction Workforce Total
CP 1-4 – Monthly Construction Workforce Total – Actual



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. Actual
CP 1-4 – Construction Progress to Completion – Planned 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. The March 2020 CVSR incorrectly reported Planned Structures and Planned Guideway data. This report includes the corrected data.
5. The April 2020 through October 2020 Plan totals represent a developing forecast.

CP 1 – 4 Right-of-Way (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 Right Conveyance Tracking
 - Tier 1: Land Right Conveyances (critical); entities requiring transfer of title prior to completion of work (PG&E, Southern California Edison, Fresno Irrigation District and the Fresno Metropolitan Flood Control District).
 - Tier 2: Land Right Conveyances (non-critical); entities where transfer of title does not need to occur prior to beginning work.

CP 1-4 – ROW Parcel Acquisition Summary

Construction Package	April 30, 2020 Total Needed	Total Needed COS Modifications ¹	May 31, 2020 Total Needed	April 30, 2020 Total Acquired	May Acquired	May 31, 2020 Total Acquired
	(A)	(B)	(C) = (A) + (B)	(D)	(E)	(F) = (D) + (E)
CP 1	1,082	-2	1,080	830	0	830
CP 2-3	992	3	995	613	9	622
CP 4	266	0	266	163	0	163
Total	2,340	1	2,341	1,606	9	1,615

Note:

1. For Construction Package 1-4: 10 parcels added and nine removed due to design optimization.

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

Construction Package	May 31, 2020 Total Acquired ¹	May 2020 Delivered to DB ²	May 31, 2020 Total Delivered to DB ³	May 31, 2020 Total Acquired, Remaining to Deliver to DB
	(G) = (F)	(H)	(I)	(J) = (G) - (I)
CP 1	830	0	829	1
CP 2-3	622	8	609	13
CP 4	163	0	159	4
Total	1,615	8	1,597	18

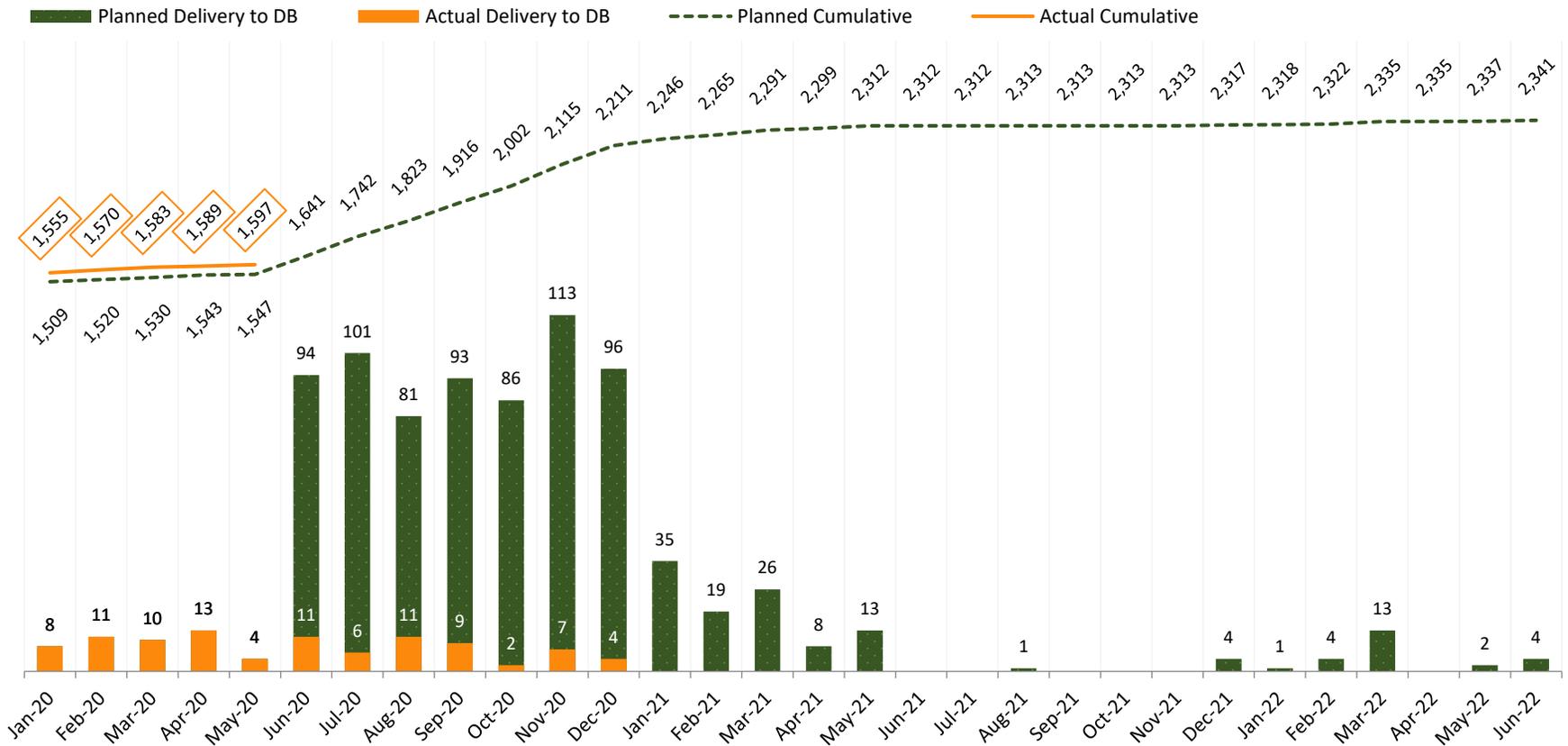
Notes:

1. Total Acquired is defined as parcels that are legally possessed by the Authority.
2. The eight parcels delivered to the DB includes three in May; one in July, one in August, and three in September.
3. Total 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 May 31, 2020	Total Parcels Delivered to Date May 31, 2020	Remaining Parcels to be Delivered May 31, 2020
CP 1	1,080	829	251
CP 2-3	995	609	386
CP 4	266	159	107
Total	2,341	1,597	744

CP 1-4 – Parcel Delivery to DB Summary



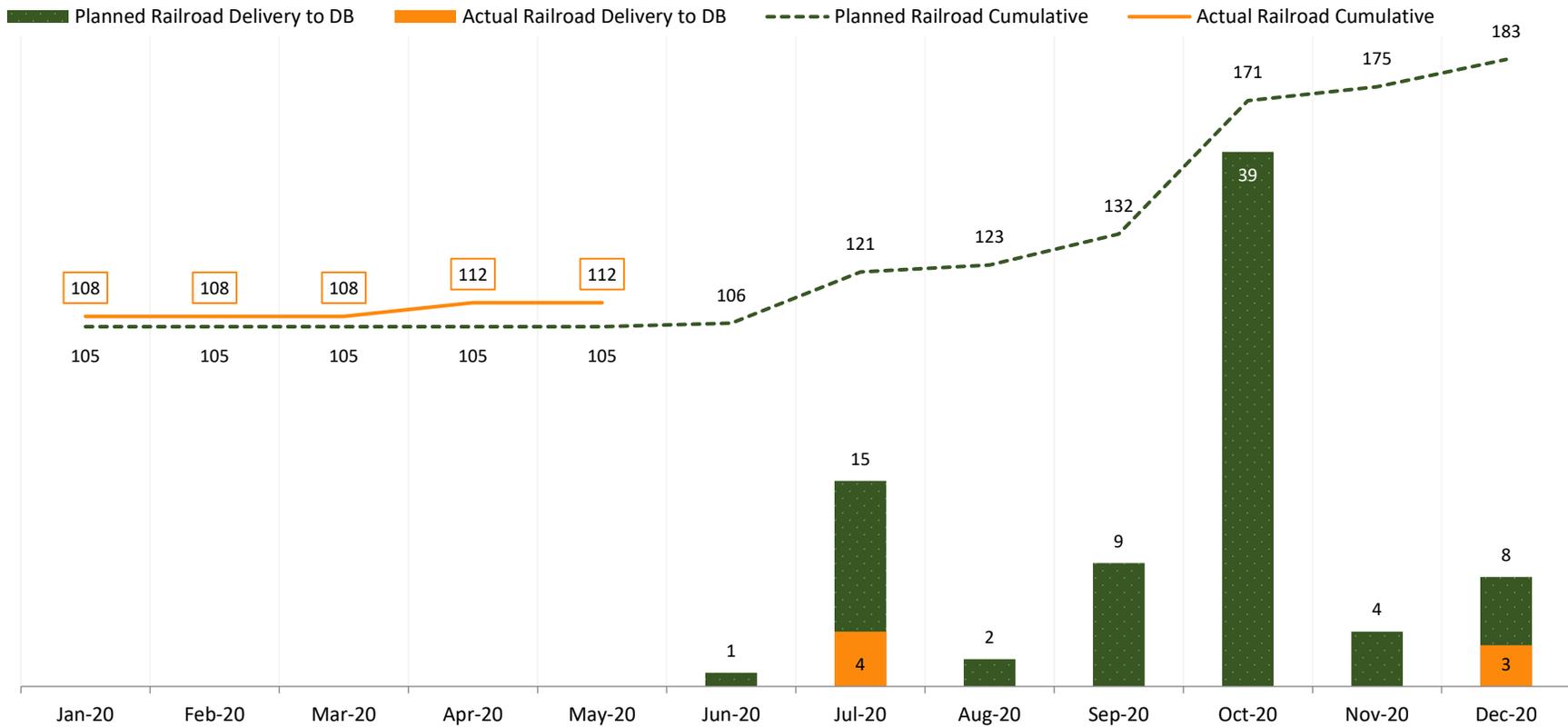
Notes:

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 May 2020 reflects delivered parcels that are forecasted in future months.

CP 1-4 – ROW Railroad Summary

Construction Package	Total Needed Railroad Parcels May 31, 2020	Total Railroad Parcels Delivered to Date May 31, 2020	Remaining Railroad Parcels to be Delivered May 31, 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



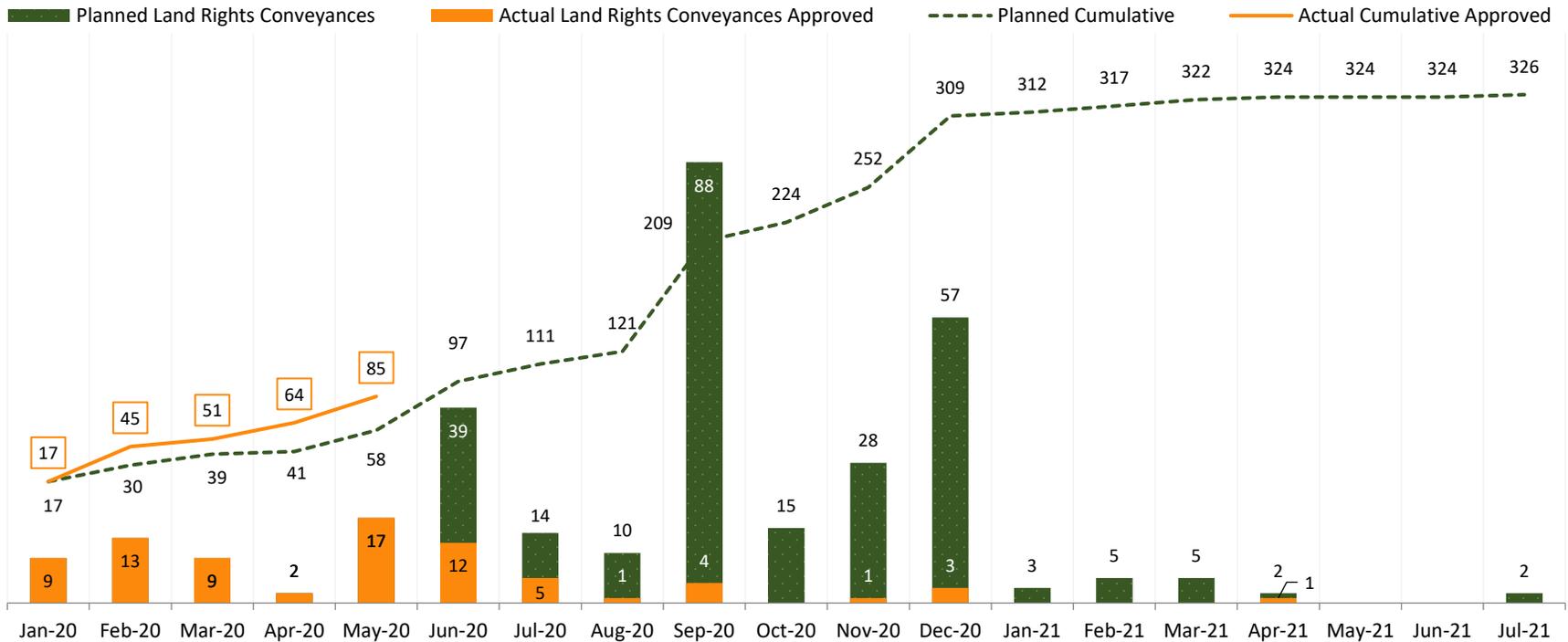
Notes:

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.

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

Construction Package	Total Needed Land Rights Conveyances April 30, 2020	Total Needed Land Rights Conveyances Modifications	Total Needed Land Rights Conveyances May 31, 2020	Total Land Rights Conveyances Approved ⁴ to Date April 30, 2020	Total Land Rights Conveyances Approved May 2020	Remaining Land Rights Conveyances to be Approved May 31, 2020
CP 1	128	0	128	37	12	79
CP 2-3	169	-1	168	24	9	135
CP 4	30	0	30	3	0	27
Total	327	-1	326	64	21	241

CP 1-4 – Tier 1 Land Right 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. Actual Cumulative for May 2020 includes completed land right conveyances that are forecasted in future months.
3. Planned land right conveyances were adjusted from last month's report due to continued refinement of the RBS.
4. "Approved" is defined as land right conveyances with Director of Real Property for signature, PG&E for signature, or recorded.
5. 2019 total actual land right conveyances approved is eight.
6. Total needed land right conveyances for CP 2-3 was reduce by one that is no longer required prior to construction.

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.	Jun-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.	Jun-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.	Jun-20	July-20
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. Began negotiations of agreement in early June 2020.	On Hold	Sept-20
Lower Tule River Irrigation District (LTRID)	CP 2-3	LTRID review of technical engineering documents, coordination, and review of real property documents. Contracts and Procurements Branch processing for submittal for LTRID execution.	May-20	Jul-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
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.	Jul-20	Jul-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.	Jul-20	Jul-20
Semitropic Water Storage District	CP 4	Design and construction of facilities. Semitropic Board approved March 2020. Semitropic counsel finalizing provisions with the Authority's Legal Office.	May-20	Jul-20
Semitropic Water Storage District	CP 4	JUA template allows prompt execution of land conveyances. Semitropic Board approved March 2020. Semitropic counsel finalizing provisions with the Authority's Legal Office.	May-20	Jul-20
Semitropic Water Storage District	CP 4	CCUA template allows prompt execution of land conveyances. Semitropic Board approved March 2020. Semitropic counsel finalizing provisions with the Authority's Legal Office.	May-20	Jul-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	Jul-20 ³

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
Deer Creek/Cross Creek	Amendment Executed - Complete	CP 2-3	Accommodates design changes in the Deer and Cross Creek areas.	May-20	May-20
Table 5	Amendment Executed - Complete	CP 2-3	Finalizes the locations of dedicated wildlife crossings.	May-20	May-20
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	Jul-20 ⁴

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. CDFW and Authority are working through discrepancies in land cover types (GIS). New projected date is in July.
4. Issue date extended to July due to additional effort needed on other Fresno-Bakersfield ITPs and extended review by CDFW.

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:	\$938,985,528.04
Current Contract Amount:	\$1,961,973,528.04
Approved Invoices to Date ¹ :	\$1,244,062,330.00
Remaining Contract Balance:	\$717,911,198.04

Contract Time Status

Description	Duration ²
Original Contract Days:	1,628
Extension of Time Awarded:	1,312
Current Contract Days:	2,940
Work Days Spent (thru 05/31/2020):	2,420

Expended to Date

Description	Percentage
Time:	82.3%
Dollars:	63.4%

Growth Percentage

Description	Percentage
Time:	80.6%
Dollars:	91.8%

Note:

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

CP 1 – Executed Change Order Status

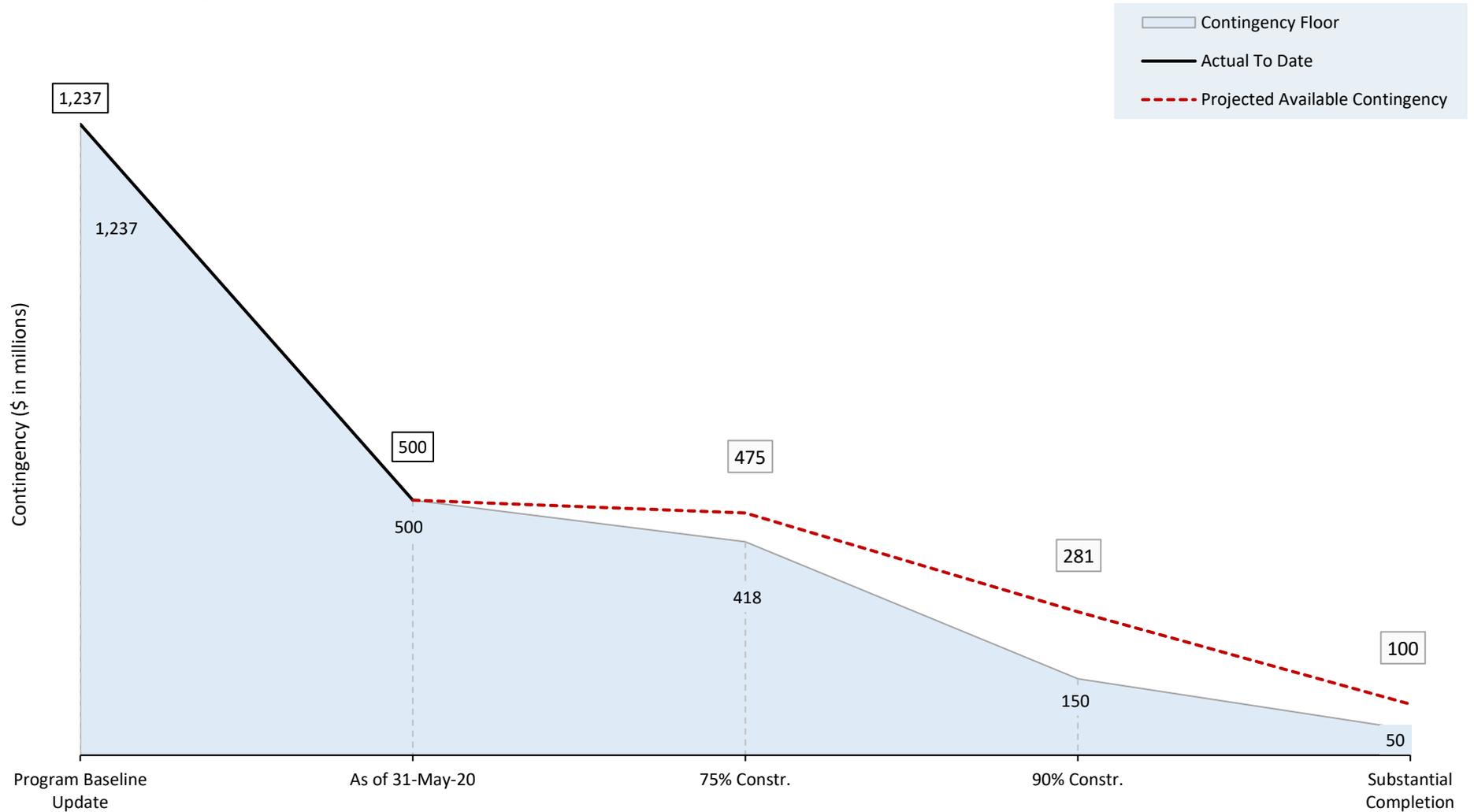
CP 1 – Executed Change Order Status

CO Number	Title	Change Status	Amount	Executed Date
00289	Merced Avenue Sewer Realignment - Design	Executed	\$16,315.33	29-Apr-20
00317	Road 27 Fiber Optic Relocation for Level 3 - Construction	Executed	\$2,312,446.85	29-Apr-20
00287R1	Kern Avenue and Mono Street Cul-de-sac Design	Executed	\$136,659.97	30-Apr-20
00290	Reinforced Concrete Pipe Casing for Restrained Joints	Executed	\$340,195.34	30-Apr-20
00308	Westside Shoofly Track Material Procurement and Installation	Executed	\$1,646,984.00	06-May-20
00048.4	PG&E and AT&T Facilities Relocation Provisional Sum Supplement 4	Executed	\$19,000,000.00	07-May-20
00314	Right-of-Way Easement from Parallamo LLC at Mono Street	Executed	\$27,294.92	12-May-20
00315	Fresno Trench Delay Impacts	Executed	\$106,999.06	12-May-20
00316	Additional Scope Items (Elevated Structures and Trenches)	Executed	\$1,000,000.00	12-May-20
00318	Avenue 15 OH Abutment 3 Conflict with Level 3 Line T3-14	Executed	\$32,386.51	12-May-20
00279R1	DL 0180 Tuolumne Basin Redesign Hazardous Material - Design Only	Executed	\$32,199.00	21-May-20
00280R1	DL-00174 Comcast Design Package T2-024 (California Ave & Cherry Ave) - Design Only	Executed	\$81,333.00	21-May-20
00283R1	DL-00174 Comcast Design Package T2-010 (Florence Avenue)	Executed	\$49,500.00	21-May-20
00294	Design Refinement of Comcast at McKinley Avenue (Due to PGE E1-25 Relocation - Design Only)	Executed	\$65,970.00	21-May-20
00295	DL-00174 Comcast Design Refinement for PGE E1-189 (Shaw Ave) - Design Only	Executed	\$65,970.00	21-May-20
00301	COF Water Line Between Shaw Avenue to Ashlan Avenue near GSB - Full length Jack and Bore Installation	Executed	\$126,296.00	21-May-20
00302	Detention Basin EH Plan, FMFCD Review Delays - Design	Executed	\$483,580.00	21-May-20

CP 1 – Executed Change Order Status (cont’d)

CO Number	Title	Change Status	Amount	Executed Date
00310	Golden State Boulevard General Design Detail Deal Points	Executed	\$528,882.00	21-May-20
00312	Intersection at West Avenue and Weber Avenue - Design	Executed	\$184,655.27	21-May-20
00303	CDFW Addition of Wildlife Crossings - Design	Executed	\$409,313.82	26-May-20
00309	Guideway Construction for Caltrans SR-99 Portion between Clinton Avenue and Ashlan Avenue - Interim	Executed	\$1,000,000.00	26-May-20
00313	Reinforced Concrete Pipe Casing or Restrained Joints - Construction	Executed	\$261,880.00	26-May-20
00319	Painting of Overhead Sign Structure at SR-180 - Construction	Executed	\$7,799.00	26-May-20
00321	UPRR Belmont Switch 60 Percent Revisions - Design Only	Executed	\$30,187.00	26-May-20
00327	FB-10-0233 (2793 S Golden State Blvd) Credit for additional Demo and Building Board-Up	Executed	-\$16,707.10	26-May-20
00328	Transfer of Funds from Contingency to Utility Provisional Sums	Executed	\$2,500,000.00	26-May-20
00329	Transfer of Funds from Contingency to CCW Provisional Sums - Supplementary 1	Executed	\$500,000.00	26-May-20
00330	FMFCD Temporary Relocation of TPZP Herndon Yard Materials and Fencing	Executed	\$422,860.72	26-May-20
00324	18-Inch GSB Storm Drain at Different Location than Design	Executed	\$520,652.00	29-May-20
Total:			\$31,873,652.69	

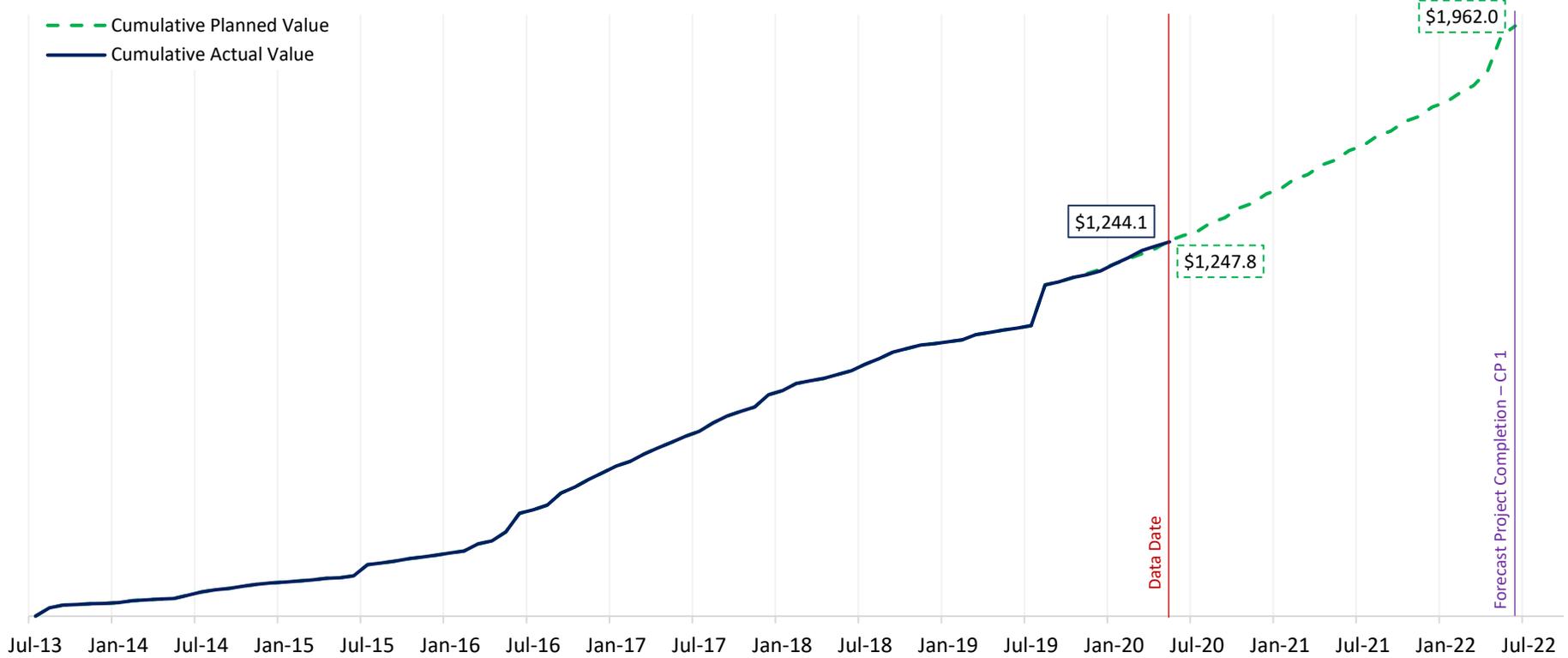
CP 1 – Risk - Contingency Report
CP 1 – Risk - Contingency Report



- 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 May 31, 2020.

CP 1 – Earned Value

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



CP 1 – Projected Milestones

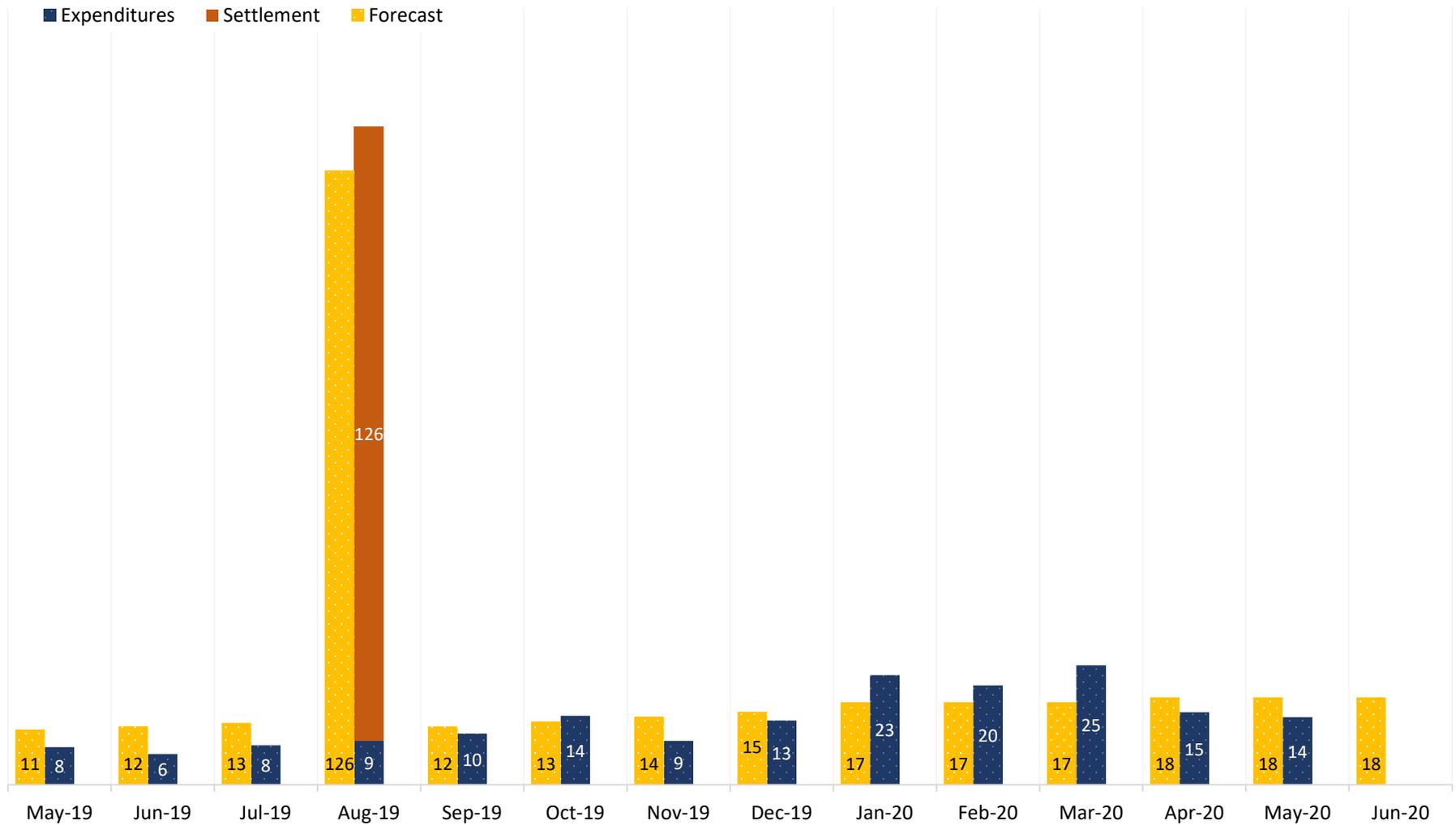
Milestone	Date
Main Design Complete	Jun-20
ROW Acquisition Complete	Nov-20

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

Notes:

1. 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.
2. The sudden increase in the cumulative value is due to Time Impact Analysis settlement in August 2019.
3. 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.
4. Main Design has been pushed to June 2020 as the DB, PCM and UPRR address design delays for the utility relocations. This is critically impacting the schedules.
5. 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)

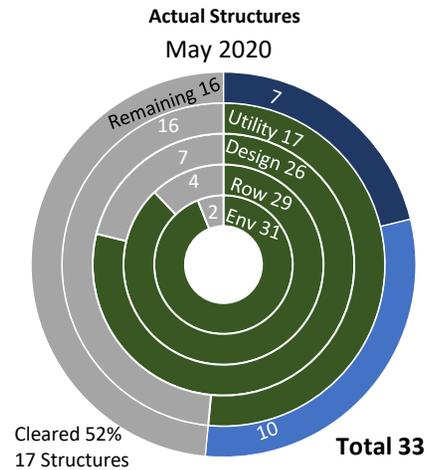


Notes:

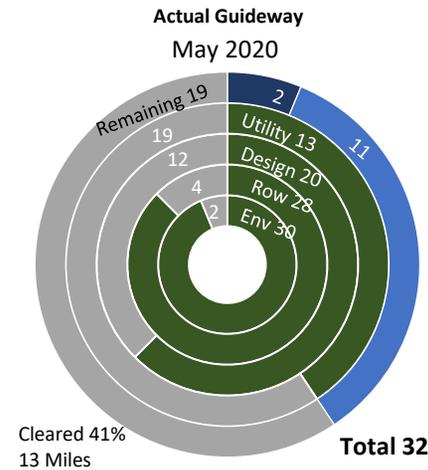
1. Expenditures in the chart above are specific to the Design-Builder production and based on the certified invoices.
2. The sudden increase in the expenditure value in August 2019 is due to the Time Impact Analysis settlement.

CP 1 – Construction Progress

CP 1 – Construction Progress



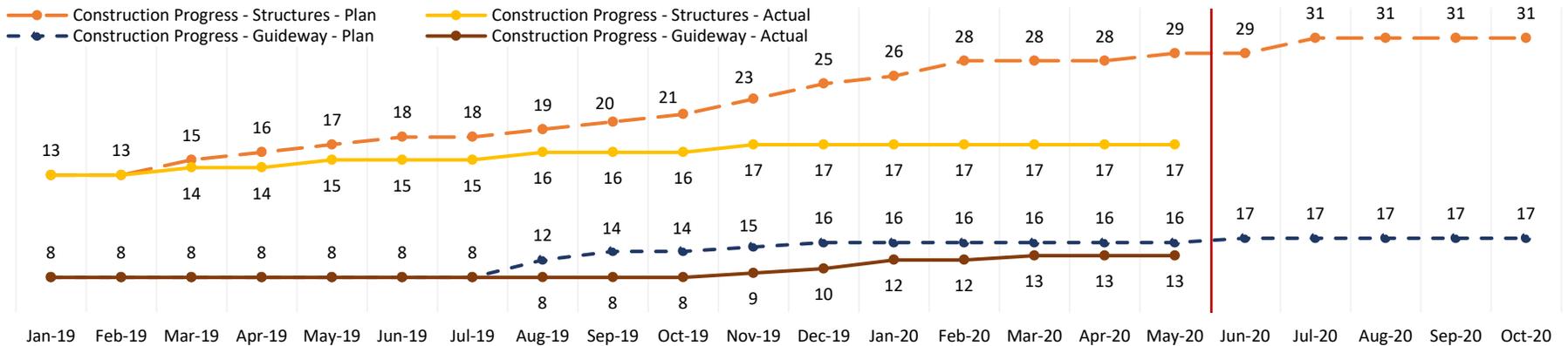
Forecasted Structures
Projections will be included upon the finalization of the Revised Baseline Schedule (RBS)



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

■ Cleared for Construction
 ■ Construction Underway
 ■ Construction Substantially Complete
 ■ Remaining

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



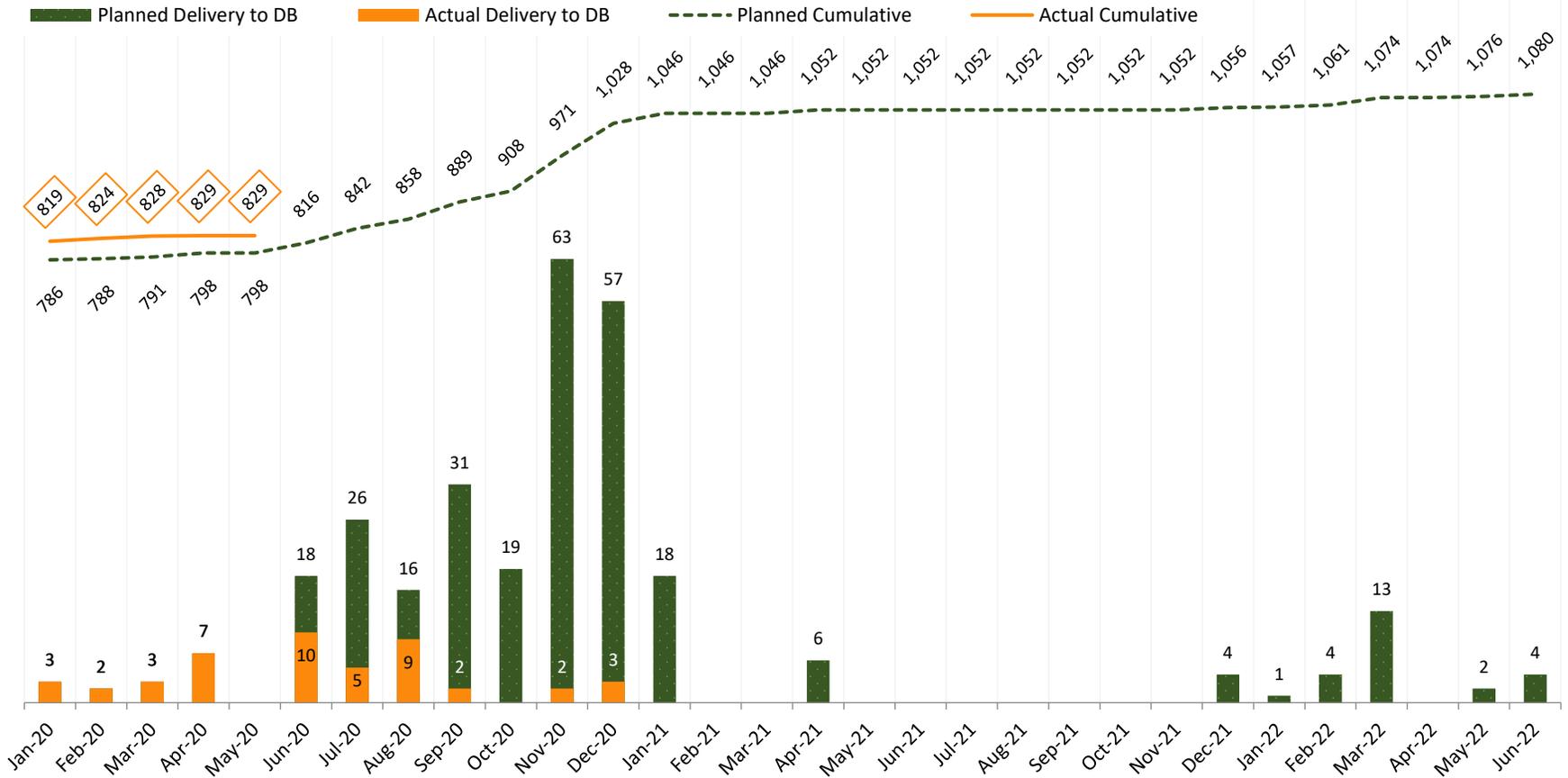
Notes:

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 May 31, 2020	Total Parcels Delivered to Date May 31, 2020	Remaining Parcels to be Delivered May 31, 2020
CP 1	1,080	829	251

CP 1 – Parcel Delivery to DB Summary



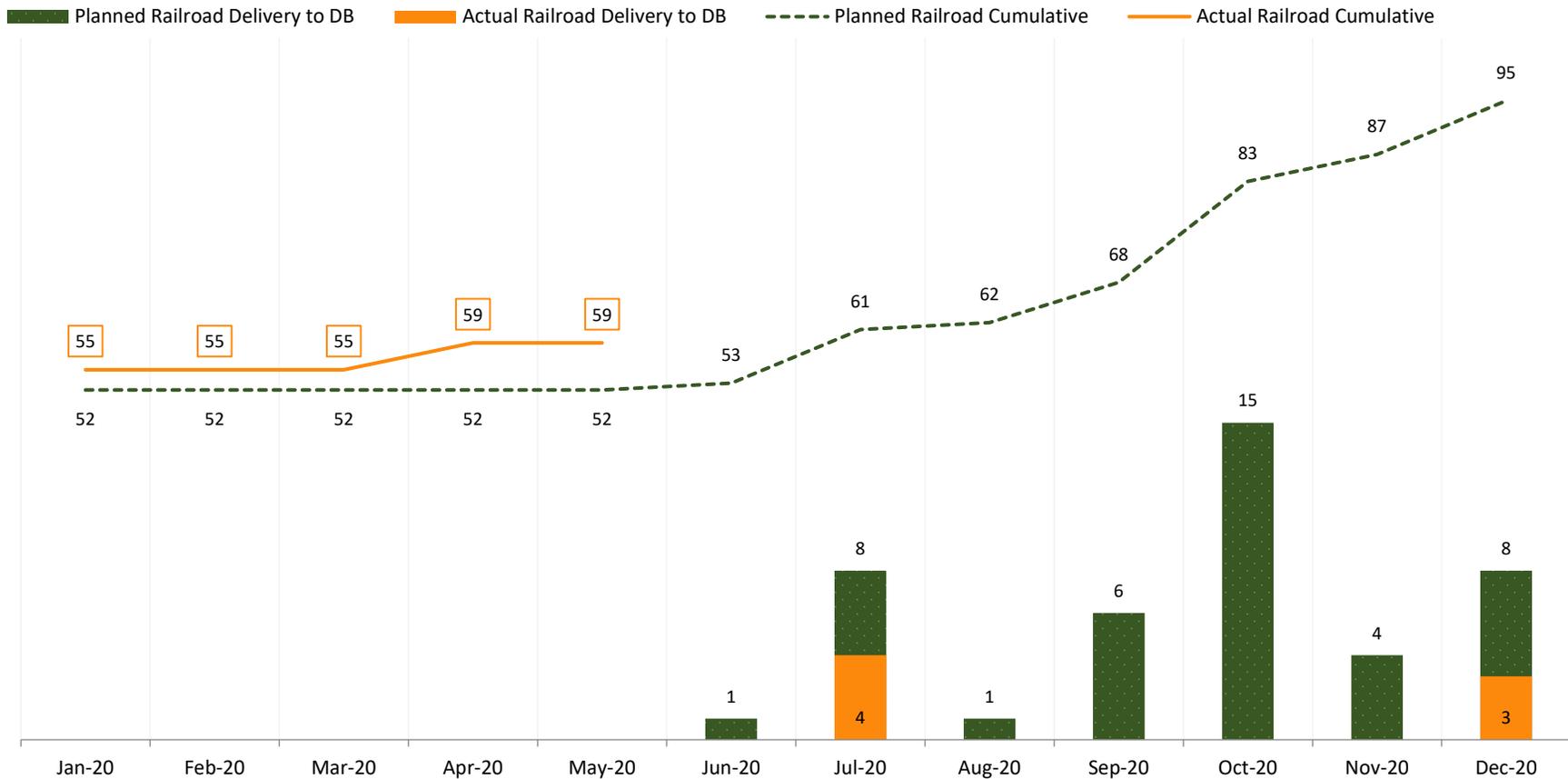
Notes:

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 May 2020 reflects delivered parcels that are forecasted in future months.

CP 1 – ROW Railroad Summary

Construction Package	Total Needed Railroad Parcels May 31, 2020	Total Railroad Parcels Delivered to Date May 31, 2020	Remaining Railroad Parcels to be Delivered May 31, 2020
CP 1	95	59	36

CP 1 – Railroad Parcel Delivery to DB Summary



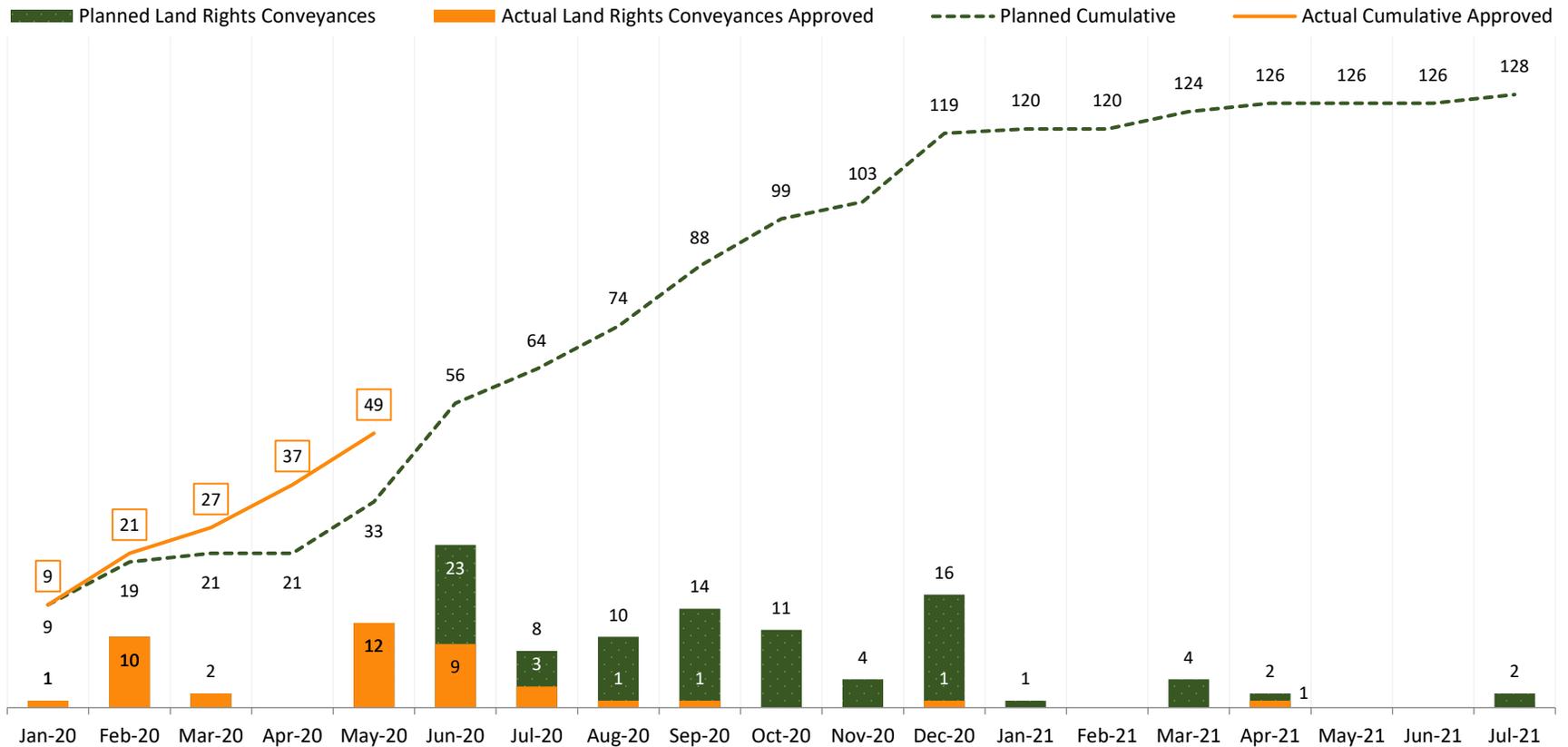
Note:

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.

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

Construction Package	Total Needed Land Rights Conveyances May 31, 2020	Total Land Rights Conveyances Approved ⁴ to Date May 31, 2020	Remaining Land Rights Conveyances to be Approved May 31, 2020
CP 1	128	49	79

CP 1 – Tier 1 Land Right 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. Actual Cumulative for May 2020 includes completed land right conveyances that are forecasted in future months.
3. Planned land right conveyances were adjusted from last month's report due to continued refinement of the RBS.
4. "Approved" is defined as land right conveyances with Director of Real Property for signature, PG&E for signature, or recorded.
5. 2019 total actual land right conveyances approved is eight.

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:	\$385,739,967.00
Current Contract Amount:	\$1,751,075,857.00
Approved Invoices to Date ¹ :	\$1,057,287,197.00
Remaining Contract Balance:	\$693,788,660.00

Contract Time Status

Description	Duration
Original Contract Days:	1,486
Extension of Time Awarded:	973
Current Contract Days:	2,459
Work Days Spent (thru 05/31/2020):	1,772

Expended to Date

Description	Percentage
Time:	72.1%
Dollars:	60.4%

Growth Percentage

Description	Percentage
Time:	65.5%
Dollars:	28.3%

Note:

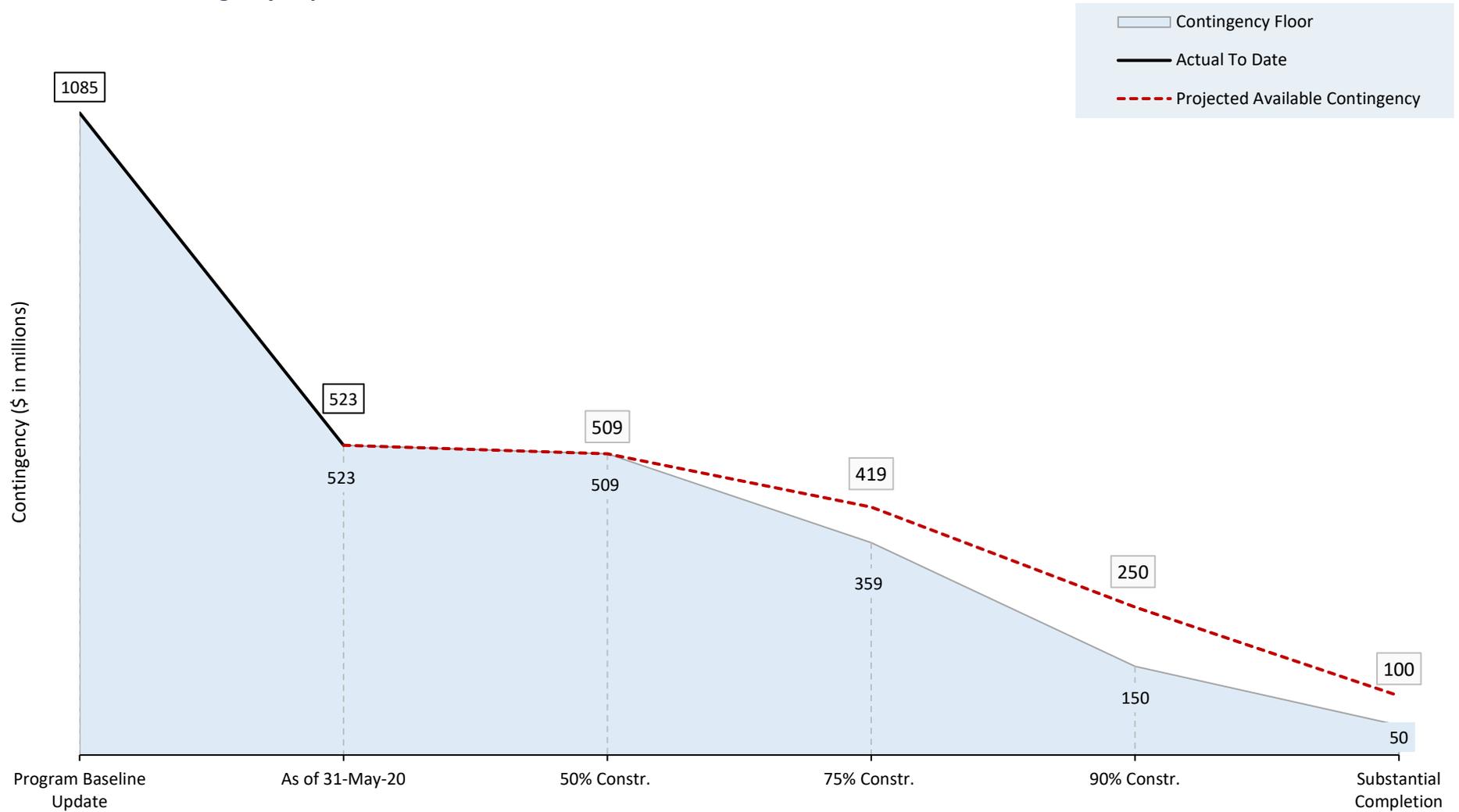
1. Includes actuals through April 2020 and estimate for May 2020.
2. Calendar Days.

CP 2-3 – Executed Change Order Status

CP 2-3 – Executed Change Order Status

CO Number	Title	Change Status	Amount	Executed Date
00135	Kie Con Pile Storage Fees - Adams Avenue	Executed	\$31,030.00	4-May-20
00142	Jackson Avenue and Idaho Avenue Detour Bypass	Executed	\$1,180,909.00	5-May-20
00045.5	Escalation Costs - January 2020	Executed	\$1,646,117.00	6-May-20
000144	Jack Bore Irrigation Facility - WS Access Rd.	Executed	\$531,533.00	14-May-20
00045.6	Escalation Costs - February 2020	Executed	\$1,388,381.00	14-May-20
00045.7	Escalation Costs - March 2020	Executed	\$1,171,420.00	14-May-20
Total:			\$5,949,390.00	

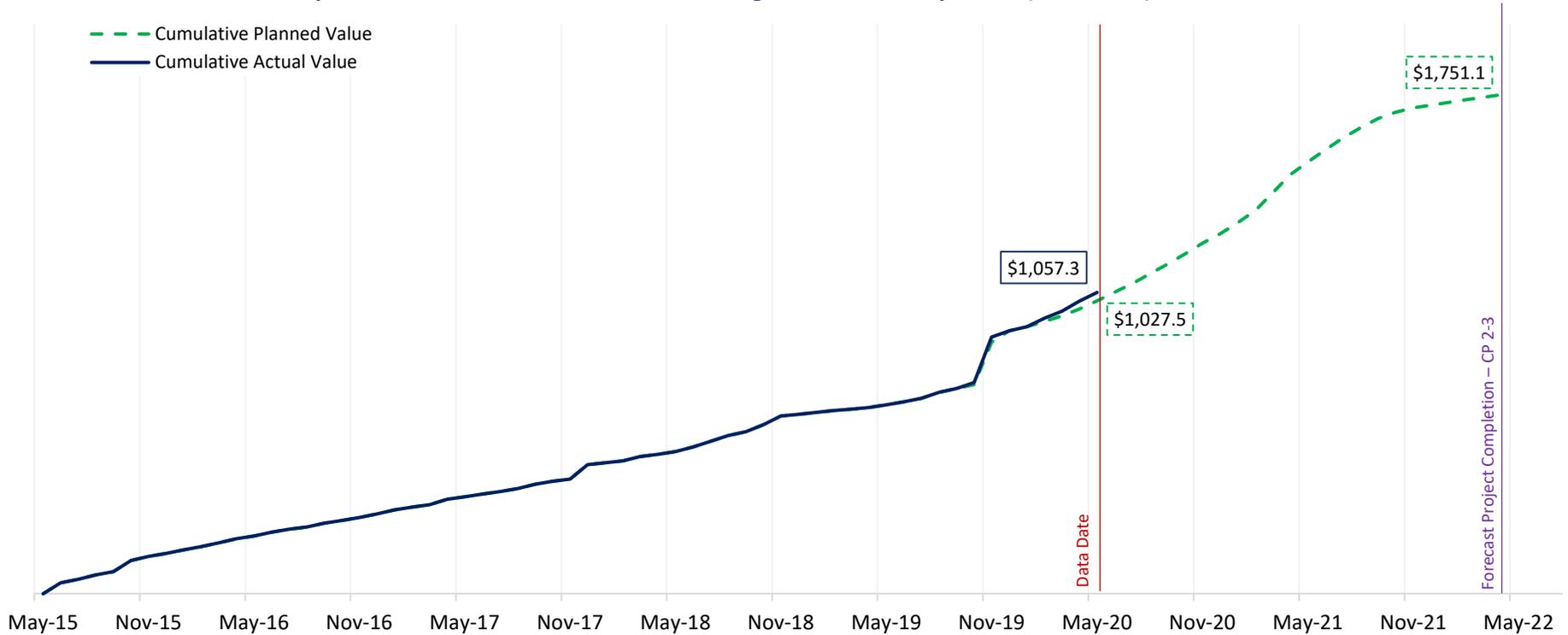
CP 2-3 – Risk - Contingency Report
CP 2-3 – Risk - Contingency Report



- 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 May 31, 2020.

CP 2-3 – Earned Value

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



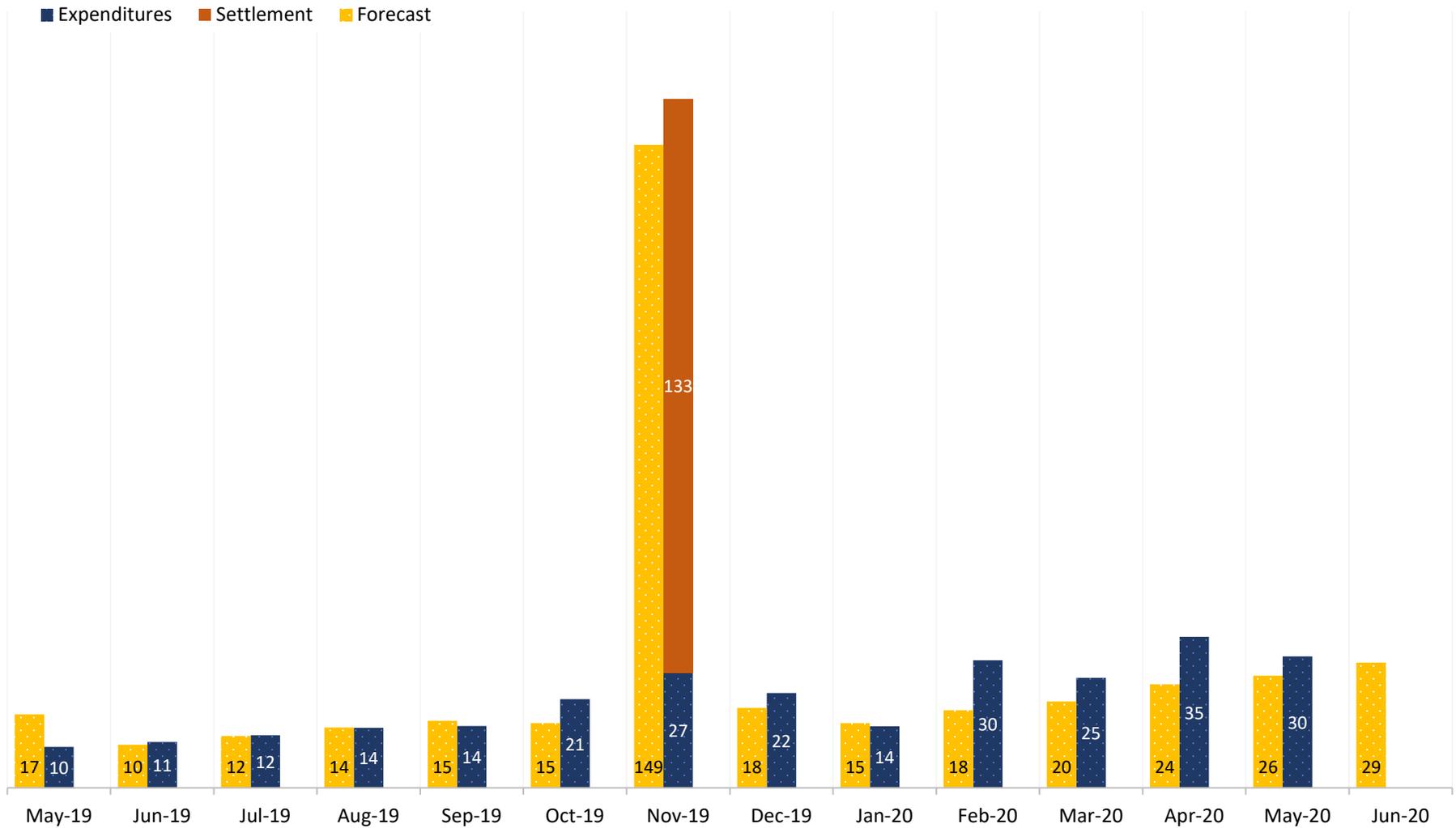
CP 2-3 – Projected Milestones

Milestone	Date	Milestone	Date
Main Design Complete	Dec-20 ⁴	Environmental Clearance Complete	May-20 Complete
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. Main Design has been pushed to December 2020 as the DB, PCM, Caltrans and BNSF address design delays for the utility relocations, which is critically impacting the schedules.

CP 2-3 – Design-Build Planned vs. Actual Expenditures – Near Term
CP 2-3 – Fiscal Year Expenditures (\$ Millions)

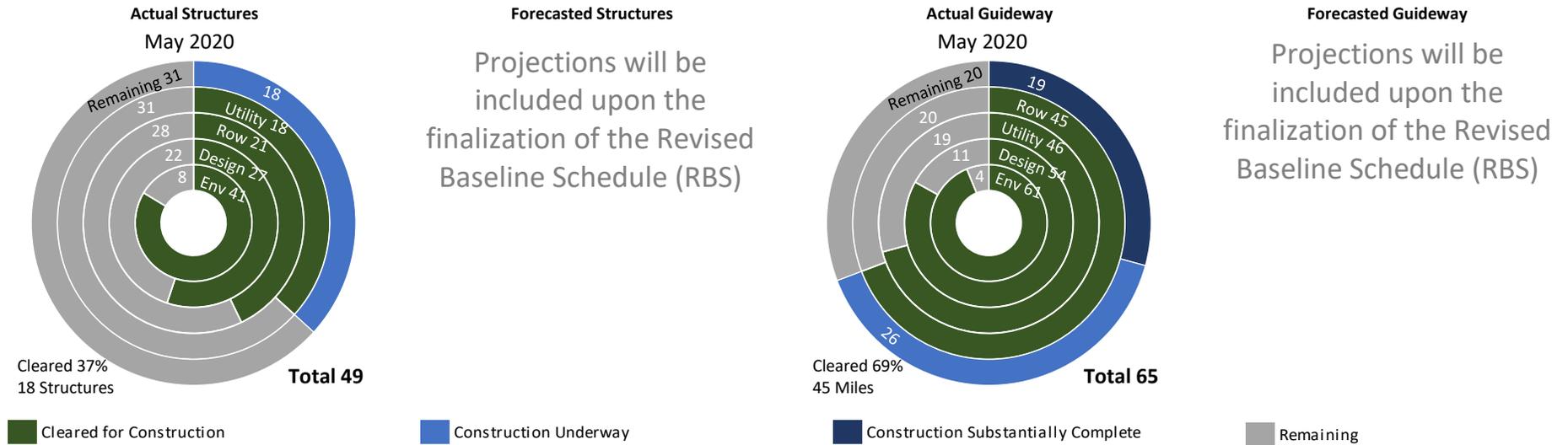


Notes:

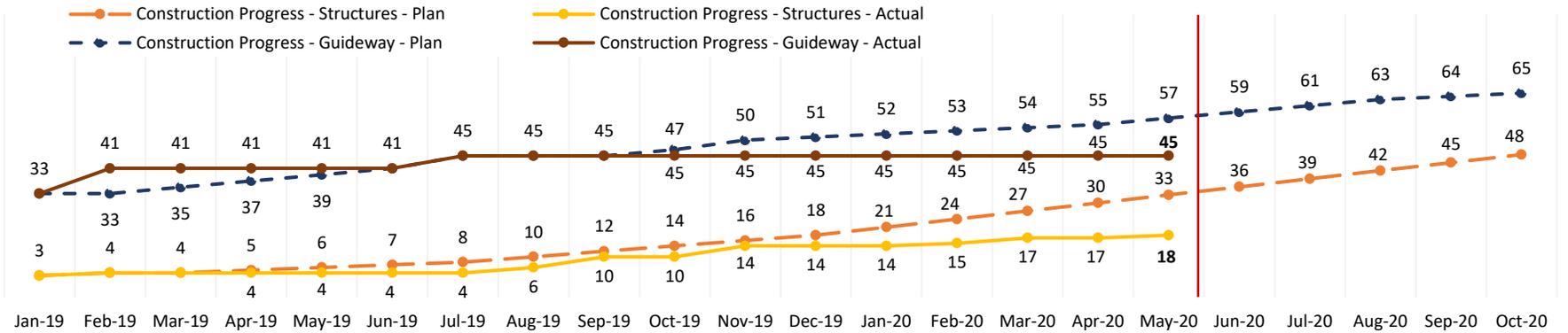
1. Expenditures in the chart above are specific to the Design-Builder production and based on the certified invoices.
2. The sudden increase in the expenditure value in November 2019 is due to the Time Impact Analysis settlement.

CP 2-3 – Construction Progress

CP 2-3 – Construction Progress



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



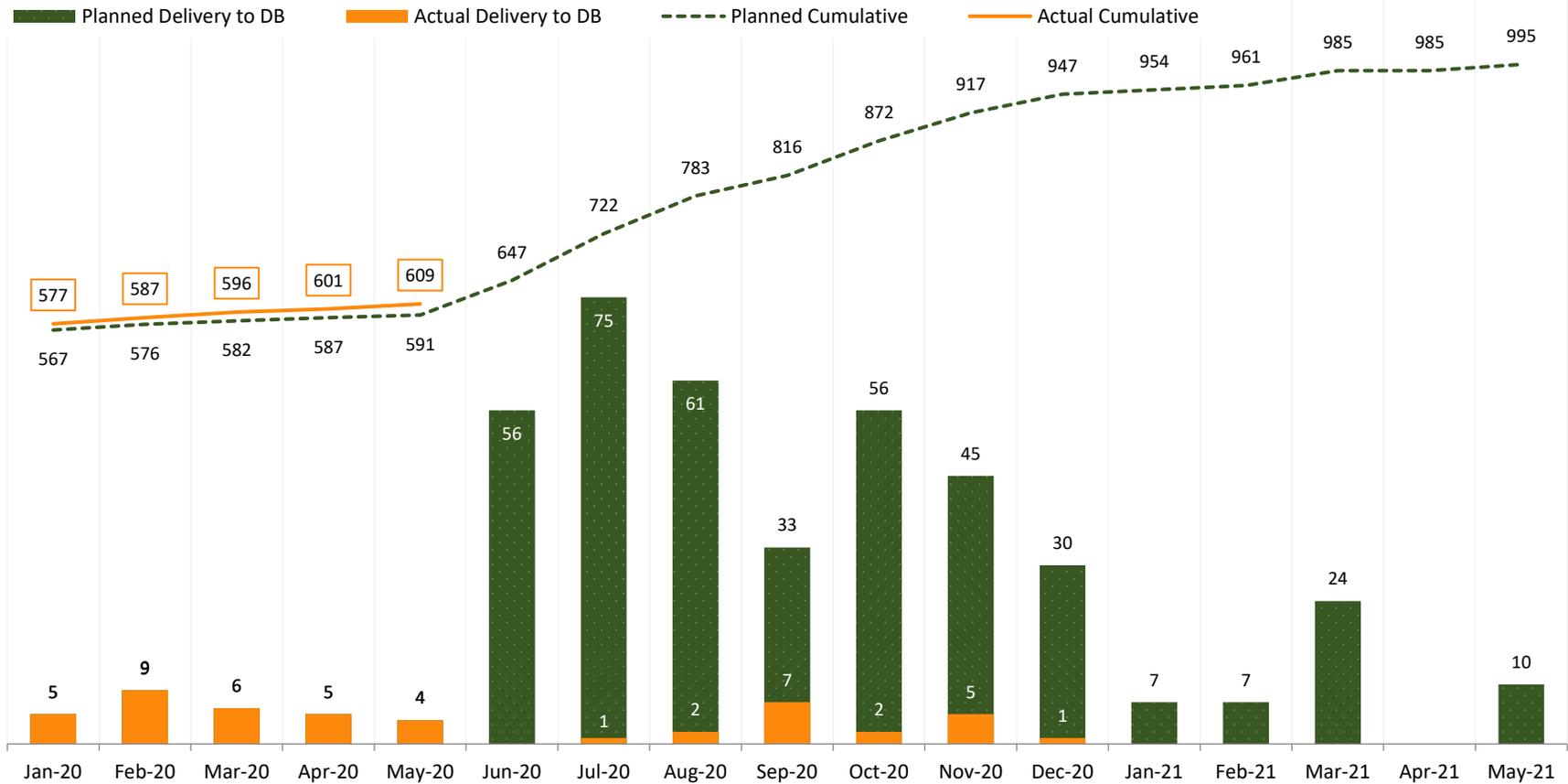
Notes:

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 May 31, 2020	Total Parcels Delivered to Date May 31, 2020	Remaining Parcels to be Delivered May 31, 2020
CP 2-3	995	609	386

CP 2-3 – Parcel Delivery to DB Summary



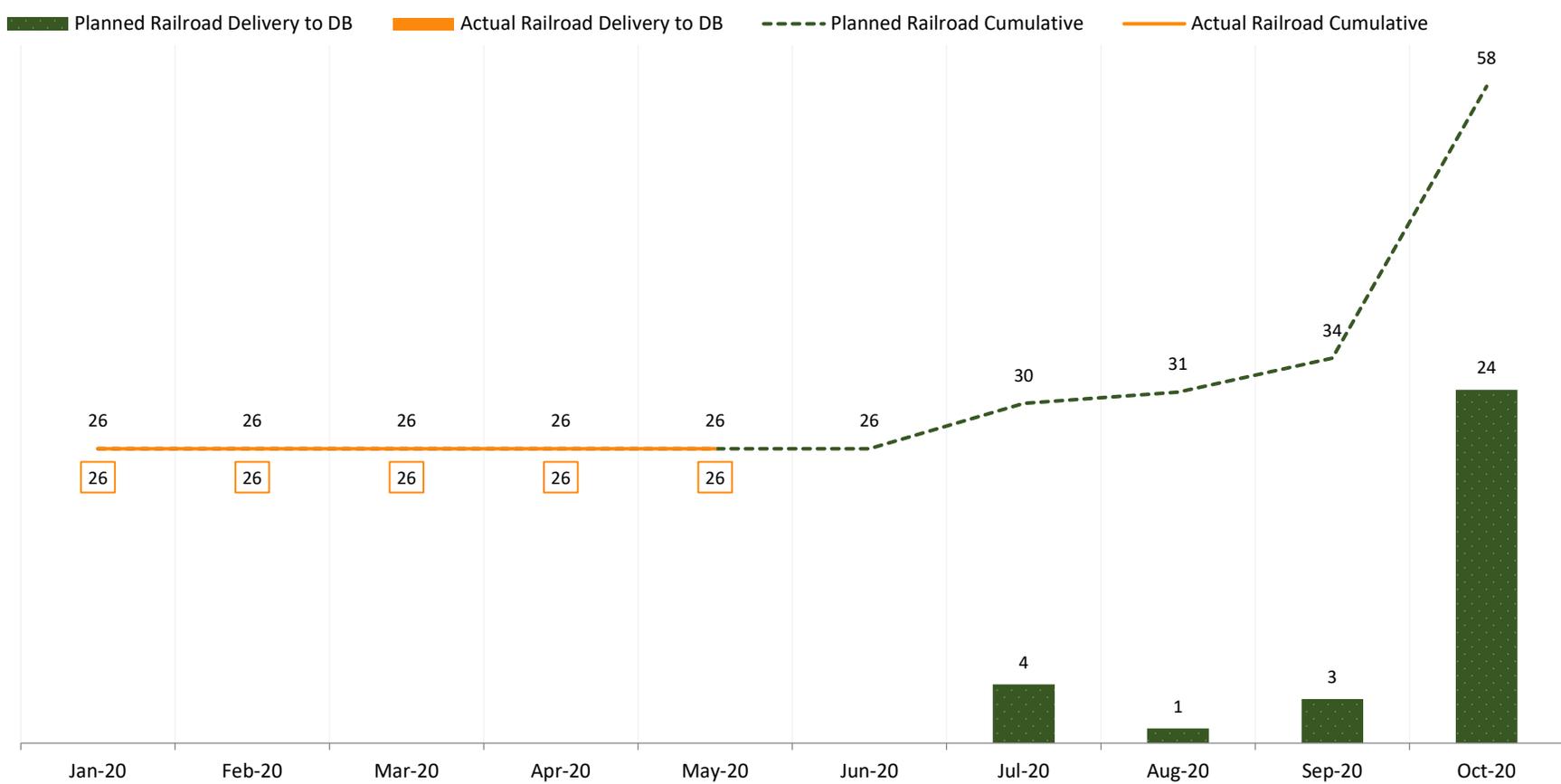
Notes:

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 May 2020 reflects delivered parcels that are forecasted in future months.

CP 2-3 – ROW Railroad Summary

Construction Package	Total Needed Railroad Parcels May 31, 2020	Total Railroad Parcels Delivered to Date May 31, 2020	Remaining Railroad Parcels to be Delivered May 31, 2020
CP 2-3	58	26	32

CP 2-3 – Railroad Parcel Delivery to DB Summary



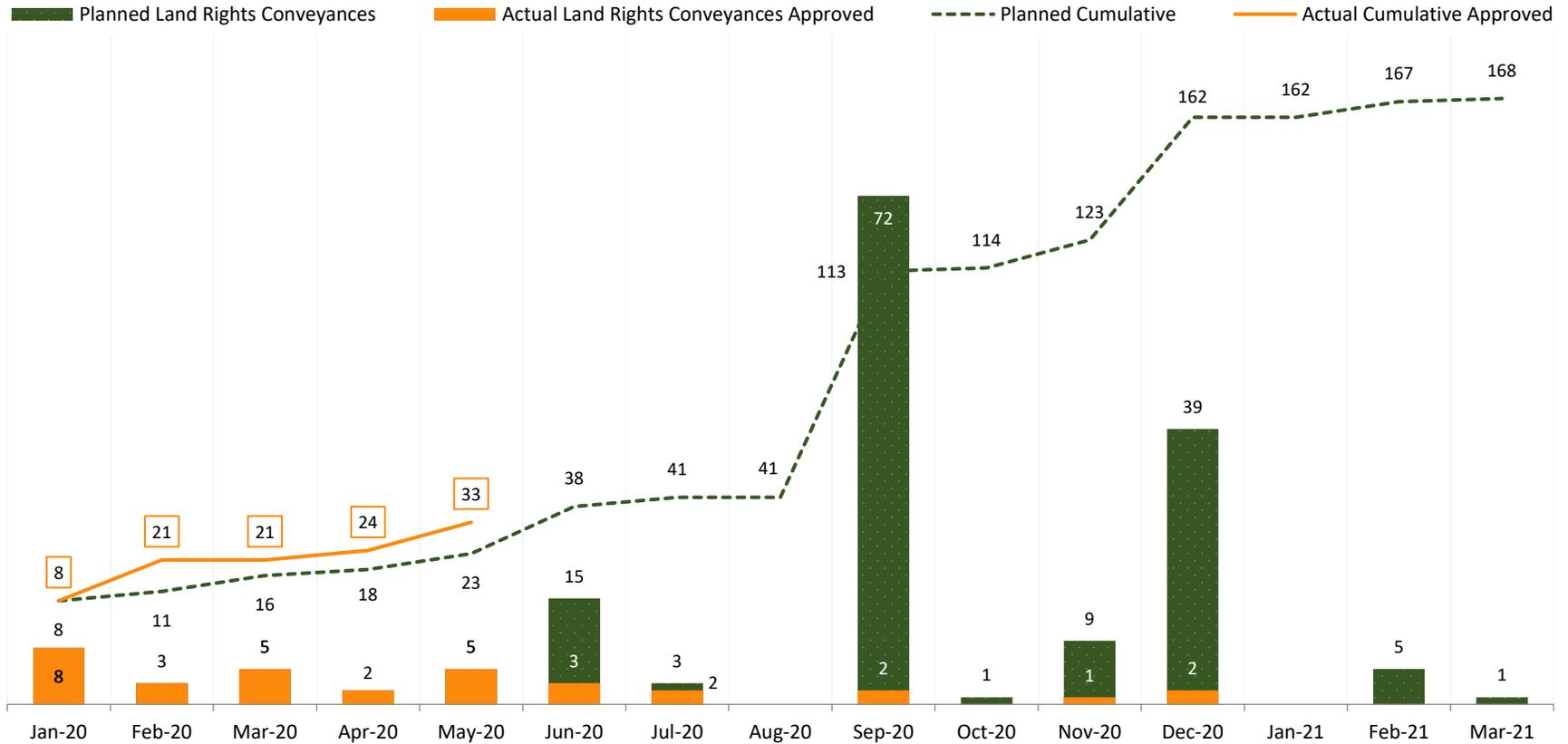
Notes:

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 Right Conveyances Required Prior to Construction (PG&E, SCE, FID, FMFCD) Summary

Construction Package	Total Needed Land Rights Conveyances May 31, 2020	Total Land Rights Conveyances Approved ⁴ to Date May 31, 2020	Remaining Land Rights Conveyances to be Approved May 31, 2020
CP 2-3	168	33	135

CP 2-3 – Tier 1 Land Right 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. Actual Cumulative for May 2020 includes completed land right conveyances that are forecasted in future months.
3. Planned land right conveyances were adjusted from last month's report due to continued refinement of the RBS.
4. "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

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:	\$127,940,882.53
Current Contract Amount:	\$572,187,882.53
Approved Invoices to Date ¹ :	\$326,726,011.00
Remaining Contract Balance:	\$245,461,871.53

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 05/31/2020):	1,506

Expended to Date

Description	Percentage
Time:	79.2%
Dollars:	57.1%

Growth Percentage

Description	Percentage
Time:	66.2%
Dollars:	28.8%

Notes:

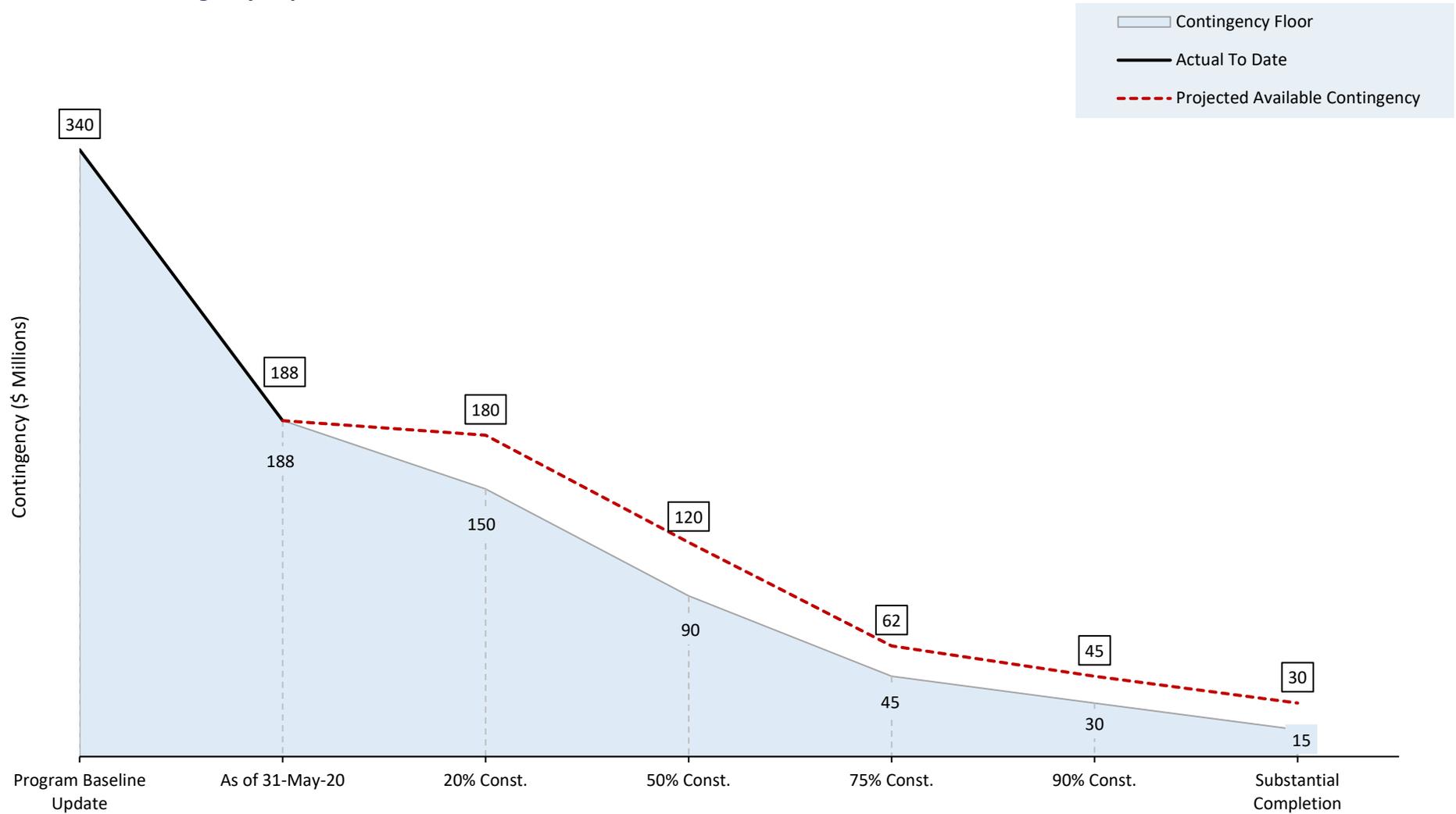
1. Includes actuals through April 2020 and estimate for May 2020.
2. Calendar Days.

CP 4 – Executed Change Order Status

CP 4 – Executed Change Order Status

CO Number	Title	Change Status	Amount	Executed Date
18R4	Additional Survey and Investigation	Executed	\$2,147,556.20	19-May-20
56	Southern California Gas (SEMPRA) Additional Costs	Executed	\$9,798,912.00	29-May-20
Total:			\$11,946,468.20	

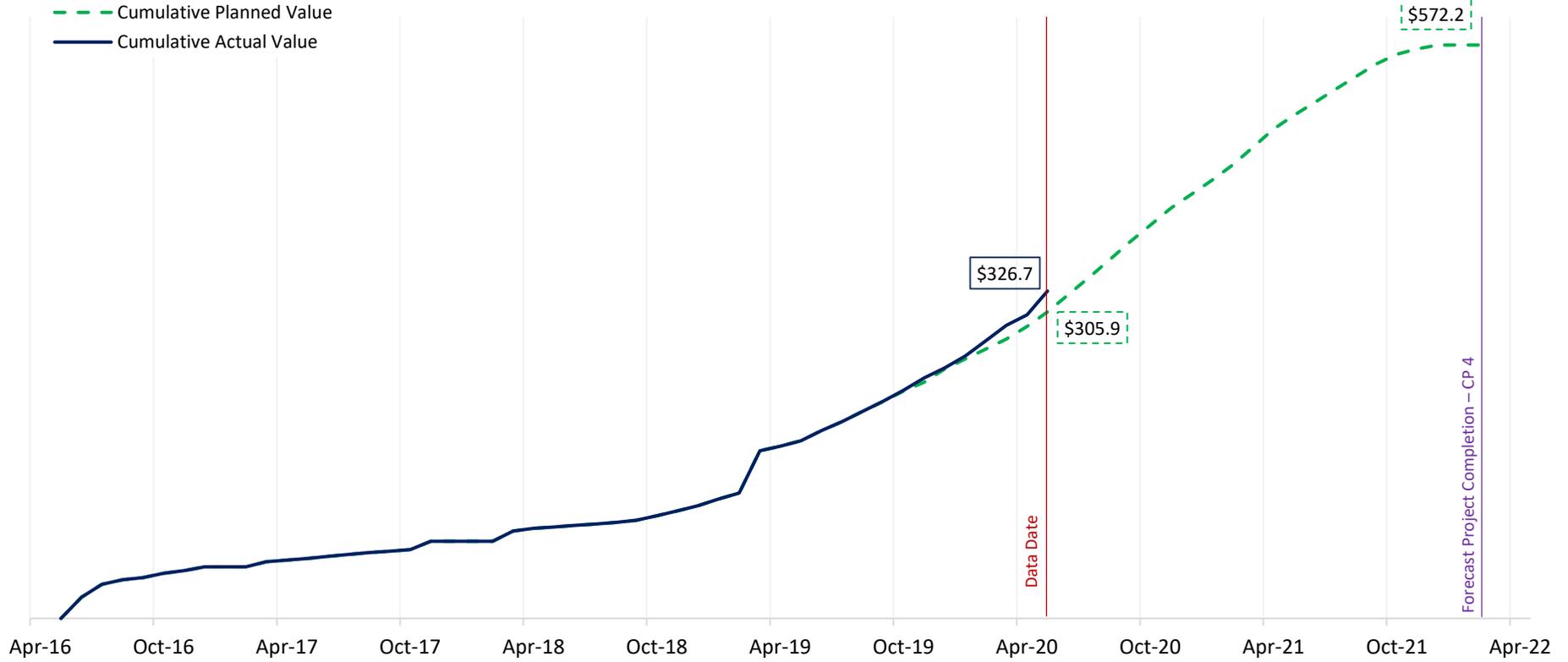
CP 4 – Risk - Contingency Report
CP 4 – Risk - Contingency Report



- 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 May 31, 2020.

CP 4 – Earned Value

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



CP 4 – Projected Milestones

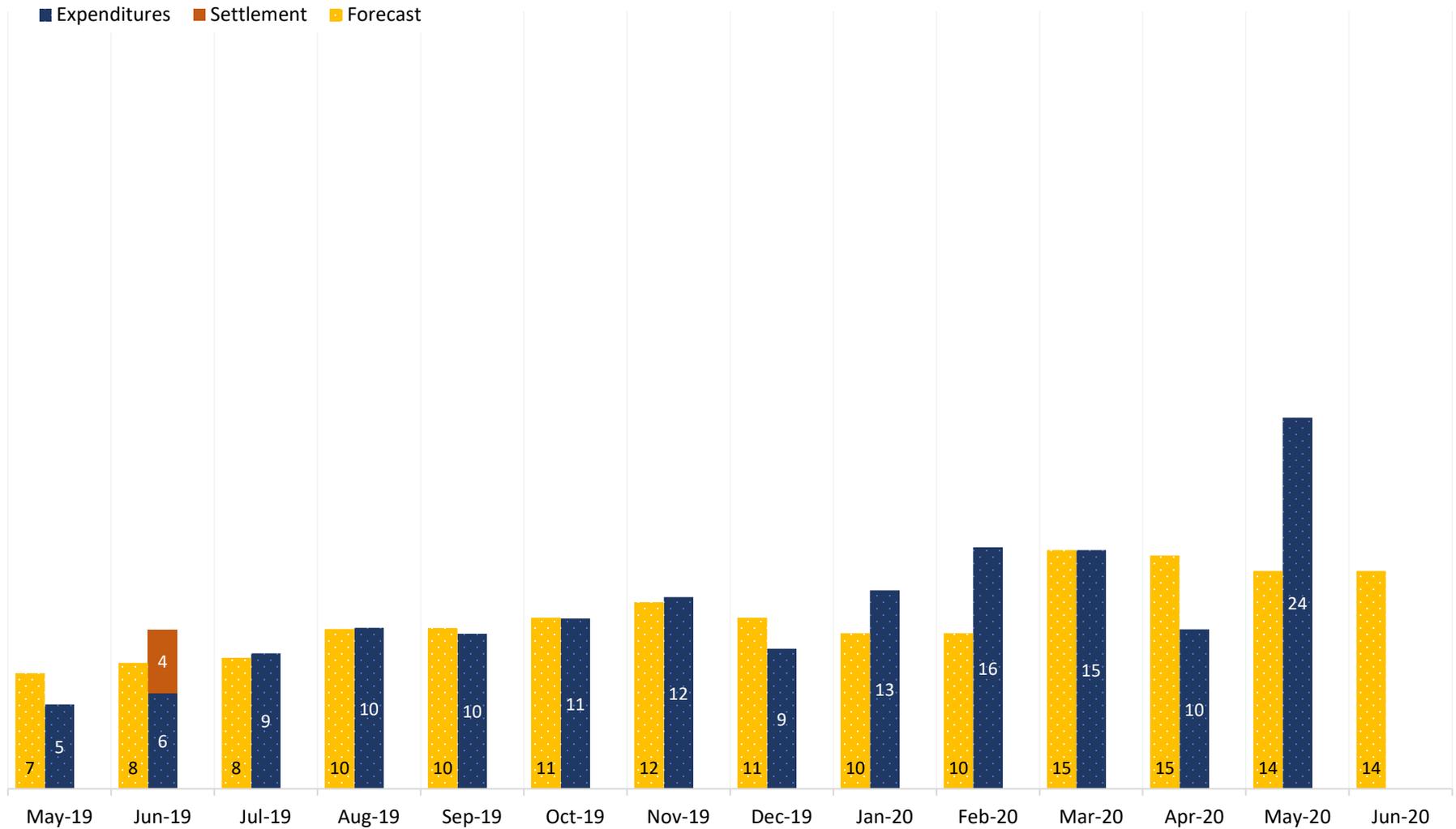
Milestone	Date
Main Design Complete	Feb-20 (Complete)
ROW Acquisition Complete	Dec-20

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)

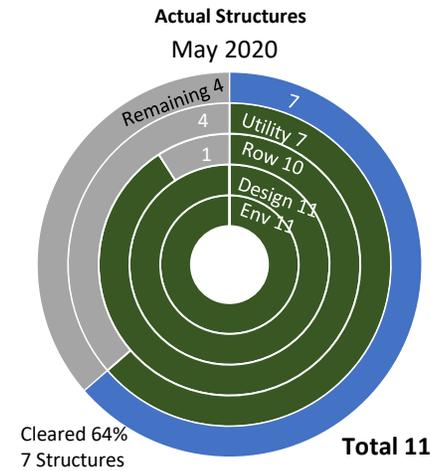


Notes:

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. A revised projection will be updated upon the finalization of the Revised Baseline Schedule (RBS).

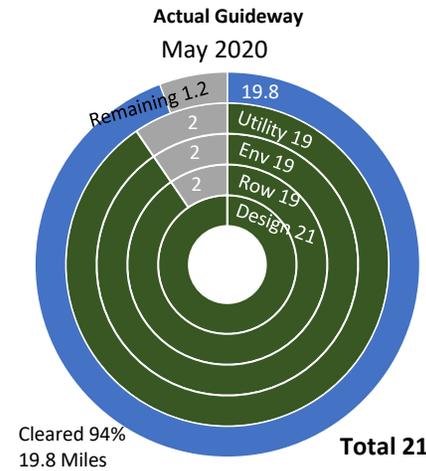
CP 4 – Construction Progress

CP 4 – Construction Progress



Forecasted Structures

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

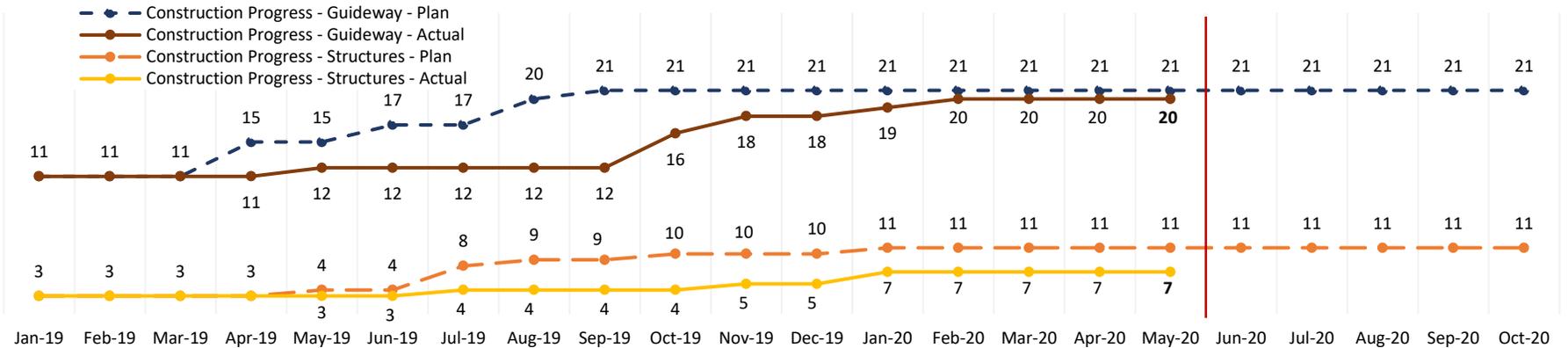


Forecasted Guideway

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



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



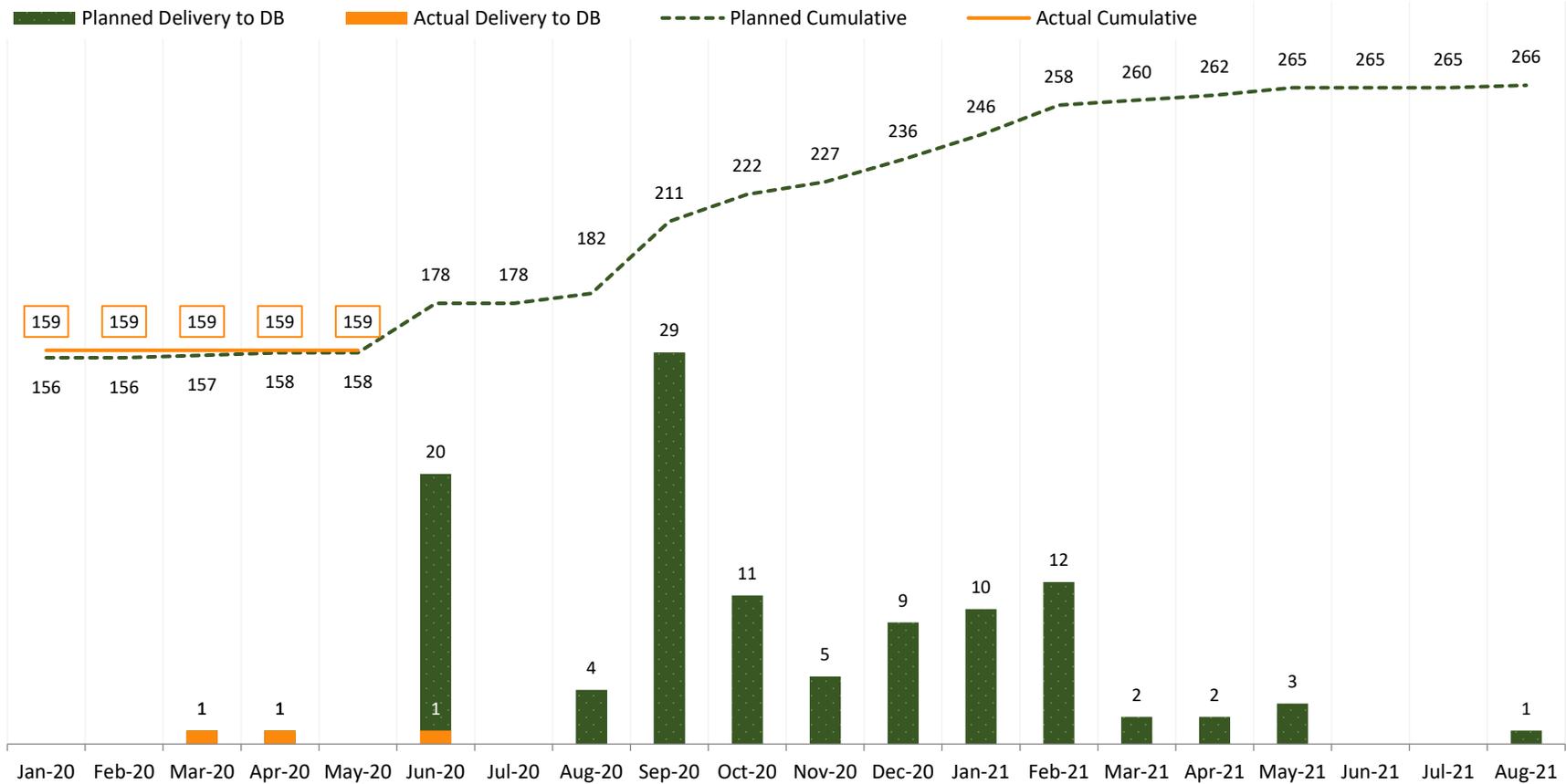
Notes:

1. Total Structures: 11 structures.
2. Total Guideway: 21 miles.
3. Actual Guideway progress for May 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 May 31, 2020	Total Parcels Delivered to Date May 31, 2020	Remaining Parcels to be Delivered May 31, 2020
CP 4	266	159	107

CP 4 – Parcel Delivery to DB Summary



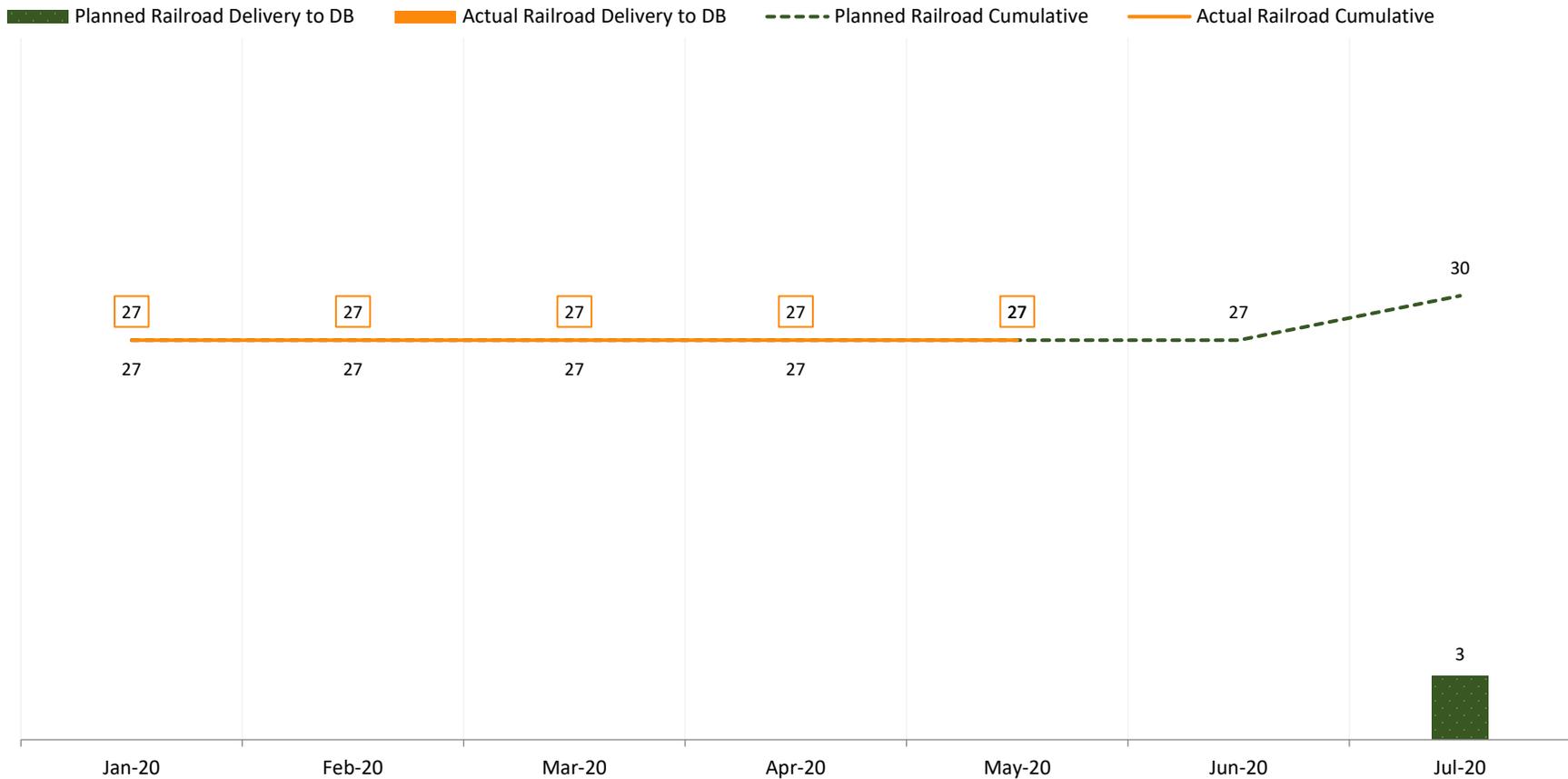
Notes:

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 May 2020 reflects delivered parcels that are forecasted in future months.

CP 4 – ROW Railroad Summary

Construction Package	Total Needed Railroad Parcels May 31, 2020	Total Railroad Parcels Delivered to Date May 31, 2020	Remaining Railroad Parcels to be Delivered May 31, 2020
CP 4	30	27	3

CP 4 – Railroad Parcel Delivery to DB Summary



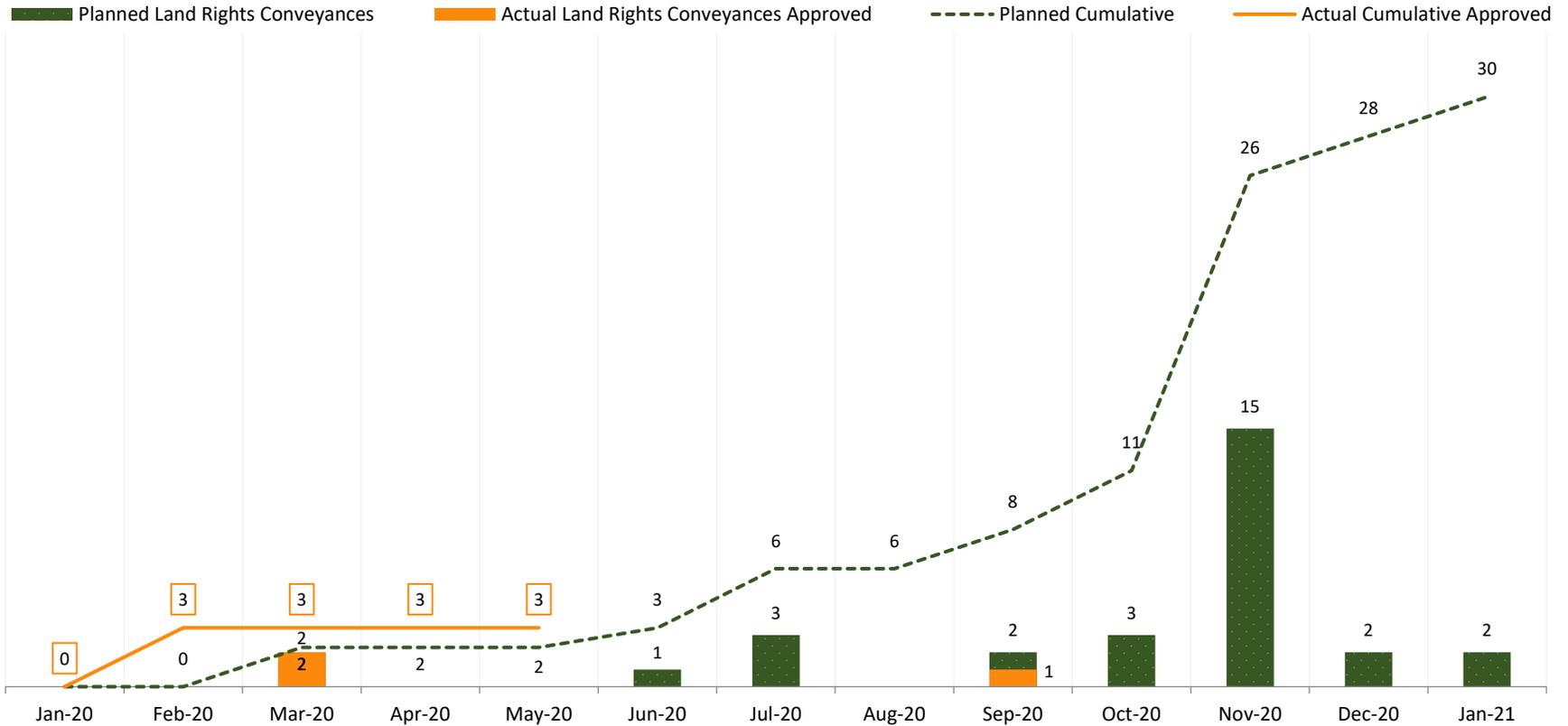
Notes:

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 Right Conveyances Required Prior to Construction (PG&E, SCE, FID, FMFCD) Summary

Construction Package	Total Needed Land Rights Conveyances May 31, 2020	Total Land Rights Conveyances Approved ⁴ to Date May 31, 2020	Remaining Land Rights Conveyances to be Approved May 31, 2020
CP 4	30	3	27

CP 4 – Tier 1 Land Right 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. Actual Cumulative for May 2020 includes completed land right conveyances that are forecasted in future months.
3. Planned land right conveyances were adjusted from last month's report due to continued refinement of the RBS.
4. "Approved" is defined as land right conveyances with Director of Real Property for signature, PG&E for signature, or recorded.

Project Development Schedule – Record of Decision (ROD)

Project Development Schedule (to ROD)

Program Priority	Segment	Progress	Complete Purpose & 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 Jose	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 78%	Apr-20 Jul-20 85%	Jun-21 Aug-21 0%	Jun-21 Aug-21 ¹ 0%	Aug-21	Aug-21
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 May-21 0%	Apr-21 Jun-21 ² 4%	May-21	Jun-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 80%	Sep-20 Sep-20 90%	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 Feb-21 75%	Nov-20 Jun-21 75%	Dec-21 Mar-22 0%	Dec-21 Jul-22 ³ 0%	Mar-22	Jul-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%	Complete Complete 100%	Complete Complete 100%	Jan-21 Jun-21 0%	Jan-21 Jul-21 ⁴ 0%	Jun-21	Jul-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 Jan-21 66%	Feb-20 Jun-21 68%	Aug-21 Mar-22 0%	Aug-21 Jul-22 ⁵ 0%	Mar-22	Jul-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 5%	Feb-21 May-21 ⁶ 5%	Apr-21	May-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), internal reviews and resource constraints, *allowance for 15-day extension of Draft EIR/EIS comment period.*
- 1.5-month delay due to late submittal of cooperating agency comments, remediation time to meet WCAG, *internal reviews and resource constraints, agreement to include a new NAT quality review cycle, 15-day extension of Draft EIR/EIS comment period.*
- Seven-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.
- Six-month delay due to 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). Eleven-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, and to incorporate internal resource constraints.
- Three-month delay due to design revision to accommodate Cesar Chavez National Monument (CCNM) and full incorporation of a modified V30 Legal and Environmental Review Process.

Project Development – Key Actions

In May 2020, the Authority conducted Environmental Impact Report (EIR)/Environmental Impact Statement (EIS) document reviews for several project sections, including the CVY Admin Final SEIR/S for Cooperating Agency and Caltrans review. EEC work on the San Francisco to San José Project Section Draft EIR/EIS document was extended as a result of additional needed text changes identified in April, which will delay public release by two weeks to July 10, 2020. Conducted virtual public open houses, virtual public hearing, and navigation and content Q&A webinars during the continuing public review and comment period on the San José to Merced Draft EIR/EIS. Environmental Services also completed its review for the Burbank to Los Angeles Draft EIR/EIS which was released for public review and comment on May 29. 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 Jose	<ul style="list-style-type: none"> Obtained CEO signature on 5/21 and initiated 508 formatting process in anticipation of release of the Draft EIR/EIS on July 10, 2020. Prepared enhanced outreach materials (presentation, fact sheet and FAQ) for City of Brisbane and the City of Millbrae stakeholders.
San José to Merced	<ul style="list-style-type: none"> Conducted three virtual open houses and a virtual public hearing, and eight navigation and content Q&A webinars on the Draft EIR/EIS. CEO approved 15-day extension of the public comment period on May 14, to end on June 23.
Central Valley Wye	<ul style="list-style-type: none"> Cooperating Agency and Caltrans review of Admin Final SEIR/EIS closed on May 29 with no new issues identified. RC preparing responses to comments for incorporation into final document. 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. Coordination with Central California Irrigation District regarding vertical clearance of HSR structures crossing over waterways under their jurisdiction.
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 comment period closed on April 28. Approximately 120 comment submissions were submitted on the Draft EIR/EIS. Submitted draft standard comment responses to HSR Environmental & HSR Legal/NAT for review. Held comment response workshop on May 29. Continuing coordination with stakeholders to address comment letters. Finalizing design changes in response to comment letters.
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. Continued development of revised Checkpoint B documentation to incorporate new Una Lake Avoidance alternatives. Continued outreach with elected officials and the communities of Acton, Agua Dulce, and Santa Clarita. Continued development of revised Admin Draft EIR/EIS to incorporate new Una Lake Avoidance alternatives. Draft PEPD is scheduled for completion in early August.
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 was released for public review on May 29, 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 seven-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.