



Finance & Audit Committee

CENTRAL VALLEY STATUS REPORT

November 2020 Report (data through September 2020)

Executive Summary

Overall - Report projections will be updated with Revised Baseline Schedules (RBS) and 2020 Business Plan finalization.

Cumulative Invoicing to Fulfill American Recovery and Reinvestment Act (ARRA) Grant ([Page 11](#)):

- Total CP Cumulative Actual Invoice – \$2,953.6M compared to Total CP Cumulative Forecasted Invoice – \$2,887.4M.
- Total Estimated Cumulative Contract Value to Fulfill ARRA – \$5,645.8M.

Construction Packages (CPs) Invoicing ([Pages 10 through 12](#)):

- September Total Actual Invoice – \$91M compared to Total Forecasted Invoice – \$108M (Expenditures lower than forecasted due to delays in first order work in CP 1, additional time needed for CP 2-3 change order negotiations, and delays in utility relocations on CP 4). Second month in a row with monthly expenditures above \$90M.
- Anticipated October Total Invoice – \$82M.
- Total CP Cumulative Actual Invoice – \$2,953.6M compared to Total CP Cumulative Forecasted Invoice – \$2,887.4M. Total Cumulative Current Contract Amount – \$4,910.3M. Expensed to date 60.2%.
- Total Executed Change Orders – \$104.8M.
- Since July 2019, we have spent \$1,135M, 38% of the total expenditures to date (\$2,953.6M).

CP Construction Labor ([Page 13](#)):

- Total Monthly Average – 1,018 daily-workers. A decrease of 13 (1,031) daily workers from the previous month. Second month in a row with daily workers above 1,000.
- Daily Average Contracted CP Employees Quarantined for COVID-19 – 6.
- Contractors continued with construction while following safety protocols and guidelines from the Centers for Disease Control and Prevention (CDC) and Occupational Safety and Health Administration (OSHA).

CP Construction/Underway ([Page 14](#)):

- Guideway – 78 miles constructed/underway compared to 119 miles total. No increase from the previous month. On target.
- Structures – 47 constructed/underway compared to 93 structures total. An increase of two structures from the previous month. CP 1 is on track; CP 2-3 and CP 4 are one structure behind plan, Avenue 156 and SR-46, respectively. SR-46 has commenced on 12 October 2020.
- Utility Relocation Status.
 - Relocated: 412 (20%); In Progress: 474 (23%); Scheduled: 76 (7%); 47% of the total (2,067) are complete/underway/scheduled. 207 of 412 (50%) were relocated in the past 12 months.

Small Business (SB) Enterprise ([Page 15](#)):

- Due processing and confirmation of Contractor submitted data, Small Business (SB) Enterprise Values are as of August 2020.
- SB Enterprise Awarded Contracts: 428 at a total contract value of \$934.8M. No new contracts from previous report.
- SB Goal (30%) at CP contract completion: \$1.4B.
- \$442.5M total SB expenditures, 18% of the total CPs expenditures. SB Goal as of report (30% of CP expenditures): \$755.7M.
- August 2020 SB expenditures: \$442.4M, up by \$11.3M from previous report.

CP Real Property/Right-of-Way ([Pages 16 through 19](#)):

- Parcels Delivered to Design-Builder (DB) – Eight parcels. Two delinquent critical parcels (Right-of-Way agreements executed in early October).
- Total Acquired Parcels (some pending delivery) – 30 parcels.
- Total Parcels Delivered to Date – 1,681 parcels compared to an Estimated Total Parcels Needed – 2,308 parcels.
- As of this month, total remaining parcels to be acquired has dropped below 600.
- For Construction Package 1-4: 31 parcels added and 13 removed due to design optimization, net increase of 18 parcels (10 HSRA owned).
- Railroad Parcels Delivered to DB – Zero parcels. Zero delinquent critical parcels.
- Total Railroad Parcels Delivered to Date – 112 parcels compared to an Estimated Total Railroad Parcels Needed – 182 parcels.
- Land Right Conveyances (Tier I, Prior to Construction) Received Approval – 11 Land Right Conveyances and zero delinquent critical land conveyances.
- From January 2020 to date, the Authority received approval on 429 land right conveyances (Tier 1, Prior to and Post Construction).

Third-Party Agreements ([Page 20](#)):

- Seven remaining agreements. Two non-critical agreements executed this month.
- In the past year, finalized 43 agreements. Thirty-four of those agreements were critical to supporting construction.

Environmental Permitting ([Page 21](#)):

- Remaining Amendments – Three agreements.

Project Development (Environmental Clearance) Schedule – Record of Decision (ROD) ([Pages 55 and 56](#)):

- The Central Valley Wye Final Supplemental Environmental Impact Report/Environmental Impact Statement (SEIR/EIS) was presented and approved by the Board on September 10, 2020. Notice of Determination (NOD) was filed on September 11, 2020 and the CEO signed the ROD and it was published on September 16, 2020. At this point, the CVY has ROD/NOD 100% completed.
- The Authority has published four Draft EIR/EISs in Calendar Year 2020 including: Bakersfield to Palmdale, San José to Merced, Burbank to Los Angeles and San Francisco to San José.
- Bakersfield to Palmdale, San José to Merced, Burbank to Los Angeles, and San Francisco to San Jose public review comment periods have closed. Requisite comment period extensions and associated public meetings / hearings were accomplished virtually to meet COVID-19 social distancing requirements.
- Bakersfield to Palmdale Admin Final EIR/EIS circulation to Cooperating Agencies scheduled for early November 2020. Resolving Palmdale to Burbank Una Lake avoidance concerns with USACE/EPA – will circulate Admin Draft EIR/EIS to Cooperating Agencies in mid-December 2020. Working steadily to integrate BNSF facilities east of Fullerton into the Los Angeles to Anaheim EIR/EIS in order to meet ARRA December 2022 deadline.

Construction Package 1

Invoicing ([Pages 22 through 24](#)):

- Actual Invoice – \$45.4M compared to Forecasted Invoice – \$56.6M (Expenditures lower than forecasted due to delays in first order work).
- Current Revised Baseline Substantial Completion Forecast Date – December 30, 2022.
- Current Contract Amount – \$2,259.9M compared to Cumulative Total Invoice \$1,361.8M. 60.3% expensed to date.

Change Orders ([Pages 25](#)):

- Executed Change Orders – Three for a total of \$309K.

Risk Contingency ([Page 26](#)):

- Original Contract Contingency – \$1,237M with Remaining Contract Contingency - \$459M.

Construction Labor ([Page 27](#)):

- Total Monthly Average – 299 daily workers. An increase of one (298) daily workers from the previous month.

Construction/Underway ([Page 28](#)):

- Guideway – 13 miles constructed/underway compared to a total of 13 miles needed. No increase from the previous month.
- Structures – 18 constructed/underway compared to a total of 18 planned. An increase of one from the previous month.

Small Business Enterprise ([Page 29](#)):

- Due to processing and confirmation of Contractor submitted data, Small Business Enterprise Values are as of August 2020.
- SB Enterprise Awarded Contracts as of report: 137 at a total contract value of \$508.9M. No new contracts from previous report.
- SB Goal (30%) at CP contract completion: \$671.3M.
- Total SB expenditures as of report: \$272.2M, at 24% of total paid to CP as of report.
- SB Goal as of report (30% of CP expenditures): \$336.4M.
- August 2020 SB expenditures: \$272.2M, up by \$2.1M from previous report.

Real Property/Right-of-Way ([Pages 30 through 32](#)):

- Parcels Delivered to Design-Builder (DB) – One parcel and one delinquent critical parcel.
 - A Right-of-Way agreement was executed in early October for the delinquent parcel.
- Total Parcels Delivered to Date – 833 parcels compared to an Estimated Total Parcels Needed – 1,045 parcels.
- Railroad Parcels Delivered to Design-Builder – Zero and zero delinquent critical parcels.
- Total Railroad Parcels Delivered to Date – 59 parcels compared to an Estimated Total Railroad Parcels Needed – 95 parcels.
- Land Right Conveyances (Tier I, Required Prior to Construction) Received Approval to Date – 76 Land Right Conveyances and zero delinquent critical land conveyances.

Revised Baseline Schedules:

- The Authority is currently evaluating the RBS and as such, the recent projections are being analyzed under the conditional acceptance of CP 1's forecast.

CP 1 Construction Progress Summary

Category	Status Update
General	<ul style="list-style-type: none"> • UPRR Downtown Shoofly: Scheduled to start in October 2020. • Tulare Underpass pump station construction to start October 2020. • Guideway - MSE walls between Avenue 9 and Avenue 15 in progress. • 37 of 38 Structures design packages are completed. • Utility Relocations' Status: <ul style="list-style-type: none"> ▪ Relocated: 202 (17%); In Progress: 428 (36%); Scheduled: 10 (1%); Not Started: 562 (47%); Total: 1,202. • Herndon Avenue: AT&T and FMFCD system relocations are underway. • Golden State Boulevard (North): Sewer, Water and Storm Drain system are in progress. • Shaw Avenue: AT&T accepted half mile infrastructure to pull & splice fiberoptic cable. Major PG&E relocation starting end of October 2020 and will run through January 2021. • Jensen Trench: Work to ramp up in early 2021 when the relocation of UG gas and sewer lines have been completed. • Working on design of Sweeper package. • Manpower: The daily-worker monthly average of 156 in September 2019 increased by 52% to 299 in September 2020.
Structures	<ul style="list-style-type: none"> • Fresno Trench: Top Down Box under SR-180 Freeway – Completed. • Avenue 10 opened to traffic. • Avenue 7 & American Avenue Completed. Expected to open to traffic in October 2020. • Avenue 12 HST & BNSF Structures completed – Working on tie in. • San Joaquin River - Viaduct River Span: Finishing touches on the Arch Span and clean-up work. • Golden State Boulevard Viaduct: Ongoing Superstructure work. • Downtown Fresno Viaduct: Ongoing Superstructure work.
Guideway	<ul style="list-style-type: none"> • Intrusion Protection Barrier (IPB) Mobilization: Deployment of this barrier has started which will allow an additional guideway to begin north of Cottonwood Creek. • Avenue 9 / Avenue 15: Progress continues with the importing and compacting of the subgrade. • Design started for 2.5 miles of guideway in the Caltrans section between Ashlan Avenue and McKinley Avenue Connector. • Thirteen miles of Guideway cleared for construction.

Construction Package 2-3

Invoicing ([Pages 33 through 35](#)):

- Actual Invoice – \$34.6M compared to Forecasted Invoice – \$38.7M (Expenditures lower than forecasted due to additional time needed for change order negotiations).
- Current Revised Baseline Substantial Completion Forecast Date – December 18, 2022.
- Current Contract Amount – \$2,043.8M compared to Cumulative Total Invoice \$1,224.6M. 60.0% expensed to date.

Change Orders ([Page 36](#)):

- Executed Change Orders – Eleven for a total of \$98.5M.

Risk Contingency ([Page 37](#)):

- Original Contract Contingency – \$1,085M with Remaining Contract Contingency – \$333M.

Construction Labor ([Page 38](#)):

- Total Monthly Average – 505 daily workers. A decrease of 22 (527) daily workers from the previous month.

Construction/Underway ([Page 39](#)):

- Guideway – 45 miles constructed/underway compared to a total of 45 miles needed. No increase from the previous month.
- Structures – 21 constructed/underway compared to a total of 22 planned. An increase of one from the previous month.

Small Business Enterprise ([Page 40](#)):

- Due to processing and confirmation of Contractor submitted data, Small Business Enterprise Values are as of August 2020.
- SB Enterprise Awarded Contracts as of report: 202 at a total contract value: \$348.2M. No new contracts from previous report.
- SB Goal (30%) at CP contract completion: \$566.3M.
- Total SB expenditures as of report: \$127.1M, at 12% of total paid to CP as of report.
- SB Goal as of report (30% of CP expenditures): \$320.6M.
- August 2020 SB expenditures: \$127.1M, up by \$7.5M from previous report.

Real Property/Right-of-Way ([Pages 41 through 43](#)):

- Parcels Delivered to Design-Builder (DB) – Six parcels and zero delinquent critical parcels.
- Total Parcels Delivered to Date – 679 parcels compared to Estimated Total Parcels Needed – 1,015 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 – 57 parcels.
- Land Right Conveyances (Tier I, Required Prior to Construction) Received Approval to Date – 66 Land Right Conveyances and zero delinquent critical land conveyances.

Revised Baseline Schedules:

- The Authority is currently evaluating the RBS and as such, the recent projections are being analyzed under the conditional acceptance of CP 2-3's forecast.

CP 2-3 Construction Progress Summary

Category	Status Update
General	<ul style="list-style-type: none"> • Design: 76 out of 100 design packages on CP 2-3 have been approved. • Kings River Test pile program has been completed. • 9th Avenue abutment walls construction has been completed. • Jackson Avenue embankment settlement has been completed. • Hanford Viaduct substructure has been substantially completed. • Two Irrigation design packages have been approved by J.G. Boswell. • Conejo Avenue: Main structure design approved. • Land Right Conveyances: 18 received from various irrigation districts. • Utility Relocations' Status: <ul style="list-style-type: none"> ▪ Relocated: 187 (27%); In Progress: 41 (6%); Scheduled: 11 (2%); Not Started: 453 (65%); Total: 692. • Environmental Clearance: <ul style="list-style-type: none"> ▪ All Incidental Take Permits (ITPs) approved. ▪ 37 of 52 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 and the Tule River Bridge designs underway. • BNSF and Construction Agreement (Package A) executed, furthering construction on utility relocations and Type II structures. • Manpower: The daily-worker monthly average of 197 in September 2019 increased more than 256% to 505 in September 2020.
Structures	<ul style="list-style-type: none"> • Access Road Type 2 structure construction work started. • Four Structures, Peach Avenue, Kent Avenue, Kansas Avenue and Excelsior Avenue are substantially complete. • Hanford Viaduct Type 1 bridge substructure substantially complete. • Conejo Viaduct: A total of 32 out of 42 columns have been completed. • Idaho Avenue Type 2 test pile program completed. • 9th Avenue Type 1 Abutment footings completed. • Land Right Conveyance: 10 PG&E utility relocations underway enabling Fowler Avenue, Elkhorn and Dover Avenue bridges to start construction. • Caltrans Early Work Approvals: <ul style="list-style-type: none"> ▪ SR-43 Tied Arch – DFJV Working on the RFC Comment resolution. ▪ SR-43 Tule River – Caltrans Permit Issued. DFJV working on the utility relocations. ▪ SR-43 Curved Bridge – Caltrans approved the detour plans and permit issued on 7/15/20.
Guideway	<ul style="list-style-type: none"> • PG&E relocation at Nebraska Avenue and Fowler Avenue (Civil) completed. • Floral Avenue SEMPRA gas line (So Cal Gas) has been completed.

Construction Package 4

Invoicing ([Pages 44 through 46](#)):

- Actual Invoice - \$10.9M compared to Forecasted Invoice – \$12.5M (Expenditures lower than forecasted due to delays in utility relocations).
- Current Revised Baseline Substantial Completion Forecast Date – December 15, 2021.
- Current Contract Amount – \$606.6M compared to Cumulative Total Invoice \$367.2M. 60.5% expensed to date, with approximately 41% of expenditures occurring in the past 12 months.

Change Orders ([Page 47](#)):

- Executed Change Orders – Five for a total of \$6M.

Risk Contingency ([Page 48](#)):

- Original Contract Contingency – \$340M with Remaining Contract Contingency – \$154M.

Construction Labor ([Page 49](#)):

- Total Monthly Average – 213 daily workers. An increase of six (207) daily workers from the previous month.

Construction/Underway ([Page 50](#)):

- Guideway – 20.3 miles constructed/underway compared to a total of 21 miles needed. An increase of .5 miles from the previous month.
- Structures – Eight constructed/underway compared to a total of nine planned. No increase from the previous month.

Small Business Enterprise ([Page 51](#)):

- Due to processing and confirmation of Contractor submitted data, Small Business Enterprise Values are as of August 2020
- SB Enterprise Awarded Contracts as of report: 89 at a total contract value of \$77.6M. No new contracts from previous report.
- SB Goal (30%) at CP contract completion: \$179.5M.
- Total SB expenditures as of report: \$43.2M, at 13% of total paid to CP as of report.
- SB Goal as of report (30% of CP expenditures): \$98.6M.
- August 2020 SB expenditures: \$43.1M, up by \$1.7M from previous report.

Real Property/Right-of-Way ([Pages 52 through 54](#)):

- Parcels Delivered to Design-Builder (DB) – One and one delinquent critical parcels.
 - A Right-of-Way agreement was executed in early October for delinquent parcel.
- Total Parcels Delivered to Date – 169 parcels compared to the Estimated Total Parcels Needed – 248 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, Required Prior to Construction) Received Approval to Date – 13 Land Right Conveyances and zero delinquent critical land conveyances.

Revised Baseline Schedules:

- The Authority is currently evaluating the RBS and as such, the recent projections are being analyzed under the conditional acceptance of CP 4's forecast.

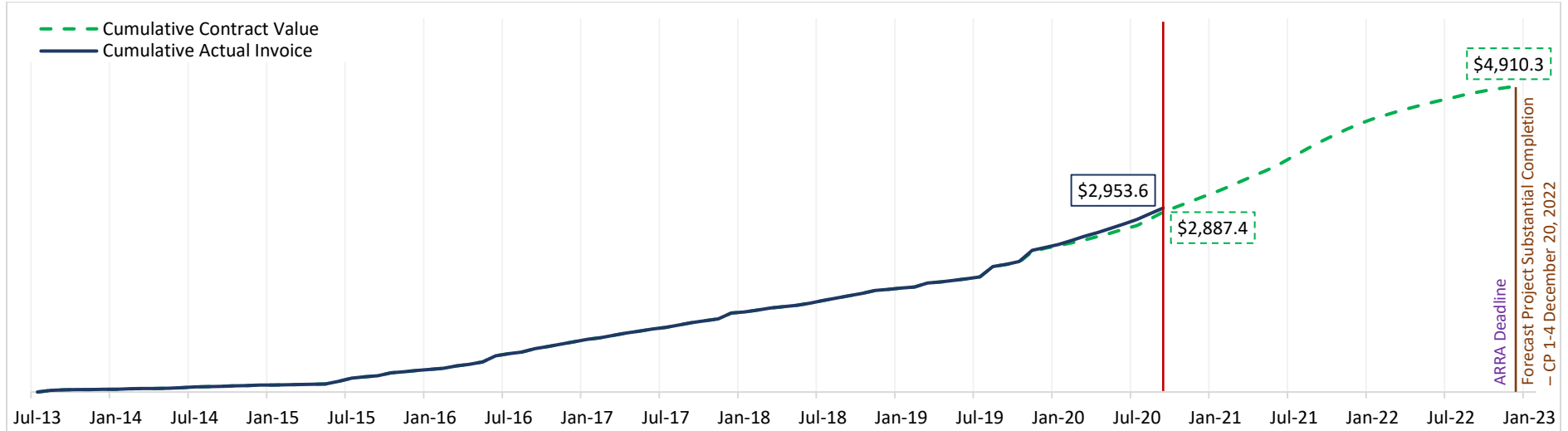
CP 4 Construction Progress Summary

Category	Status Update
General	<ul style="list-style-type: none"> • Guideway and structure designs have been completed; RFC's have been issued. • Intrusion Protection Barrier (IPB): DB is currently reviewing the new design bulletin. • Environmental Clearance: 11 out of 13 required ITPs were completed; the remainder will be acquired within the 3rd quarter of 2020. • Utility Relocations' Status: <ul style="list-style-type: none"> ▪ Relocated: 23 (13%); In Progress: Five (3%); Scheduled: 55 (32%); Not Started: 90 (52%); Total: 173. • Manpower: The daily-worker monthly average of 150 in September 2019 increased more than 42% to 213 in September 2020.
Structures	<ul style="list-style-type: none"> • Peterson Road Underpass: Redesign is complete, and construction is underway. • McCombs Avenue: Agreements reached with Kern County and Caltrans – Abutment 4 MSE wall started and embankment work resumed. • Wasco Viaduct: 76 pre-cast girders have been set over the BNSF tracks. Work continued at Bent 7 and Bent 8 upper edge beam; poured sections of Cast-In-Place (CIP) wall 279.9 footing and wall. Set forms for Bent 9 column upper flare and started setting Bent 10 column. • Pond Road Underpass deck poured. • Garces Highway Underpass post tensioning completed and grouting tendons. • Poso Creek Overpass: Post tensioning and falsework removal. • Completed Intrusion Protection Barrier (IPB) and CIP wall between McCombs Avenue and SR-46. • Construction continued on seven structures: Garces Highway Underpass, Pond Road Underpass, Poso Creek Overpass, SR-46 HSR, Wasco Viaduct, Merced Avenue Overpass, and the Kimberlina Road Underpass.
Guideway	<ul style="list-style-type: none"> • Construction continues on Access Road south of Peterson Road, and on the BNSF Shoofly. • Continued work on the wildlife box culverts at crossings north and south of Garces Highway and north of Magnolia Avenue. • Construction continued on embankment import between Semi-Tropic Canal and Woollomes Avenue. • Embankment efforts continued between Poso Creek and Tausig Avenue. • McCombs and SR-46: Embankment work continues. • Kimberlina Road (South): Access road construction continues. • Wasco Viaduct (North): Continued efforts on the CIP wall. • Embankment, slope trimming and topsoil placement ongoing throughout guideway. • Utility relocations, PG&E, SEMPRA, AT&T and others ongoing at numerous sites. • Completed SoCal Edison relocations on Peterson Road.

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 September 30, 2020. The planned values are based on the Proposed Revised Baseline Schedules developed for all the construction packages as of September 2020. The completion value (\$4.9B) 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 of \$4.9B will be expended by end of December 2022.

CP 1-4 – Projected Milestones

Milestone	Date
01. CP 1 Main Design Complete	Oct-20 ⁽¹⁾
02. CP 1 ROW Critical Parcels Acquisition Complete	Nov-20
03. CP 1 Environmental Clearance Complete	Nov-20 ⁽⁴⁾
04. CP 1 Utility Relocation Complete	Mar-21

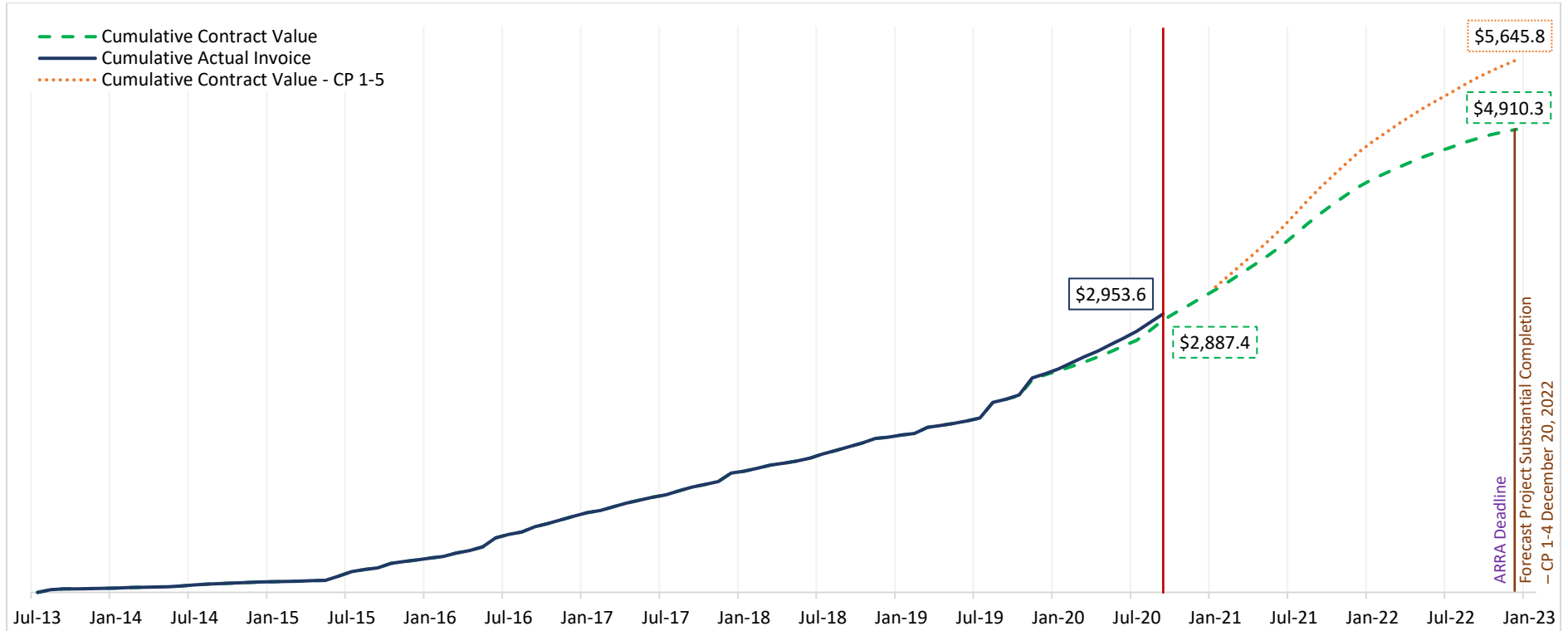
Milestone	Date
05. CP 2-3 Main Design Complete	Dec-20 ⁽²⁾
06. CP 2-3 ROW Critical Parcels Acquisition Complete	Jan-21 ⁽³⁾
07. CP 2-3 Environmental Clearance Complete	May-20 (Complete)
08. CP 2-3 Utility Relocation Complete	Mar-21

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	Nov-20 ⁽⁵⁾
12. CP 4 Utility Relocation Complete	Mar-21

Notes:

- CP 1 Main Design has been pushed to October 2020 as the DB and PCM get the FCN/DCN process into contract compliance to enforce the verification and validation certification. Mitigating issue via NCR and directive letter to ICE/ISE to enforce compliance.
- 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.
- Projection has been updated based on the Revised Baseline Schedules (RBSs).
- CP 1 Environmental Clearance pushed to November 2020 to review the Hazardous Abatement designs and incorporate additional utilities and BNSF access roads at the structure and guideway sites.
- CP 4 Environmental Clearance on lands requiring utility relocations delayed from July 2020 to November 2020 pending issuance of ITP Amendment, per California Rail Builders (CRB).

Remaining Expenditures to Achieve ARRA (DB + CP 5) - \$ 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.

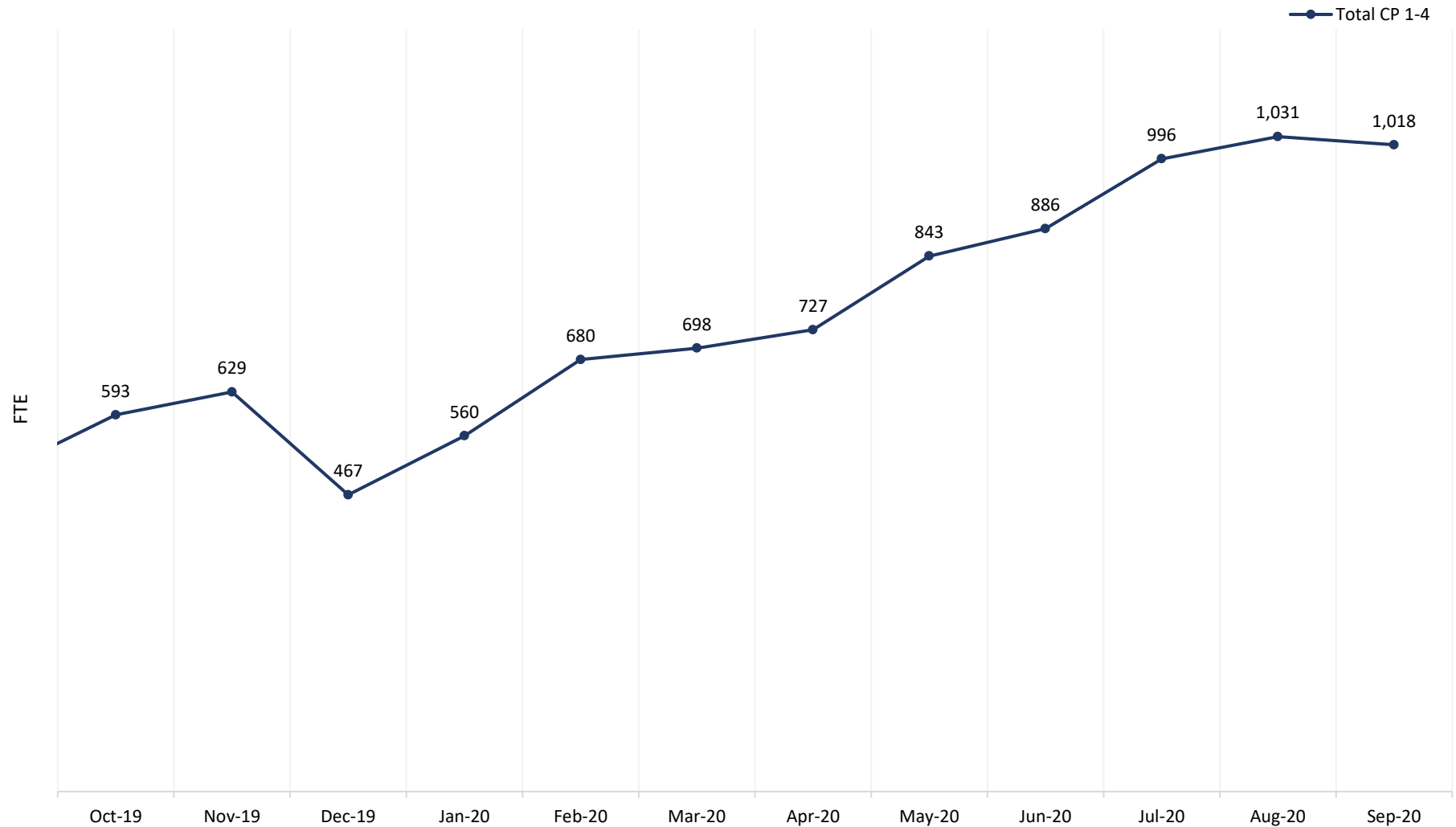
Notes:

1. The Cumulative Contract Value - CP 1-5 (DB only) curve has been adjusted to reflect only the ARRA scope required to complete the 119-mile infrastructure by December 31, 2022. For the Track & Systems contract, this adjustment includes only the estimated cost to place plain-line track. The November CVSR will provide a reconciliation with the ARRA scope included in the Capital Outlay Report.
2. The December 2022 Cumulative Plan forecast projection increased from \$4,805.5M to \$4,910.3M due to \$104.8M in September 2020 Change Order executions.

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

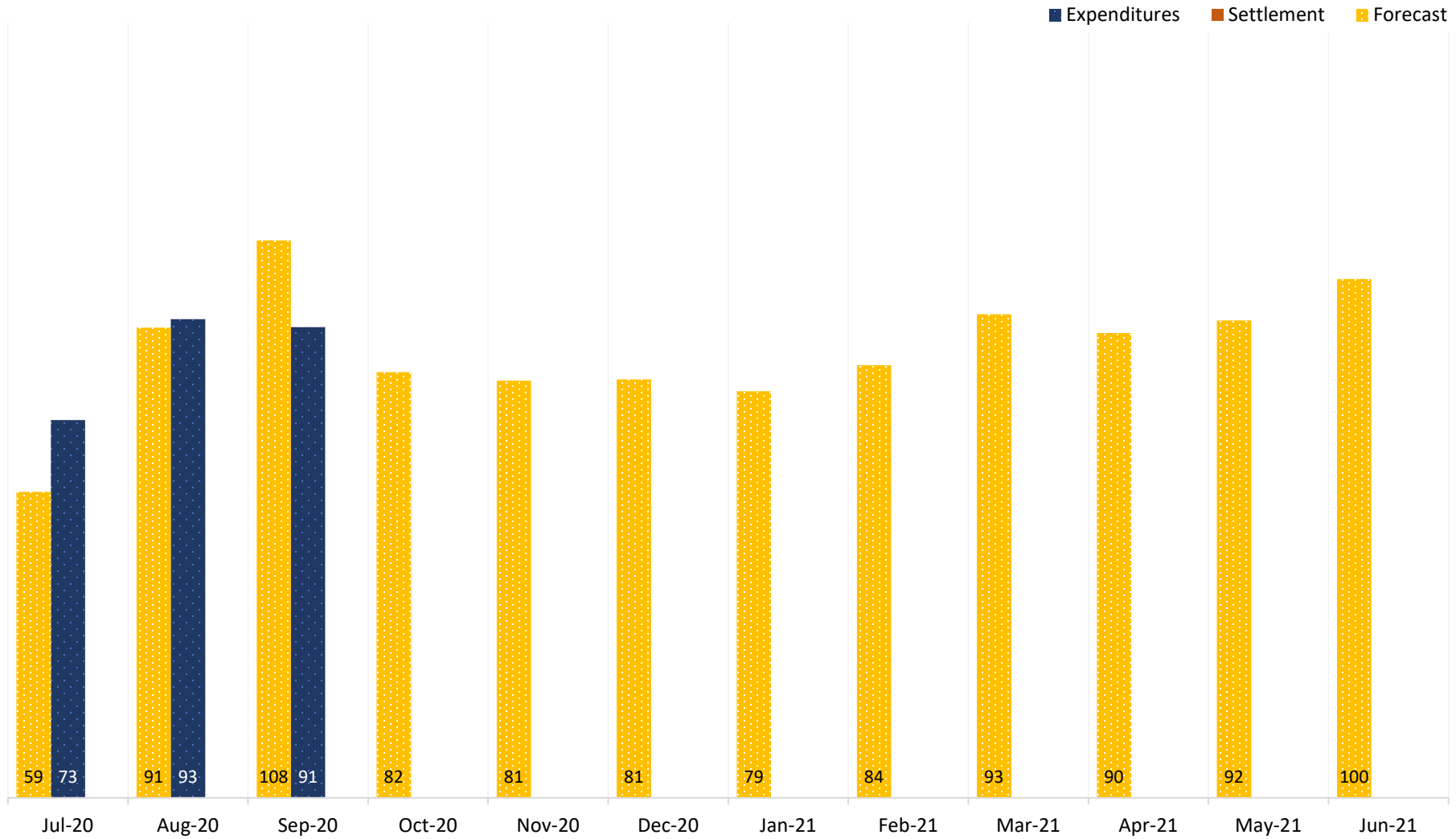
CP 1-4 – Monthly Construction Workforce Total

CP 1-4 – Monthly Construction Workforce Total – Actual



- Notes:**
1. The Construction Labor numbers (Full-Time Employees) are based on the weekly totals divided by the number of weeks within the working calendar month.
 1. The December 2019 reporting number shows a sharp decrease due to the holiday week of December 23rd through December 31st.
 2. The data from October 2019 to April 2020 was previously presented with data from each month’s final week. The data has been updated to represent more accurately the overall total on a per working calendar month average status.

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

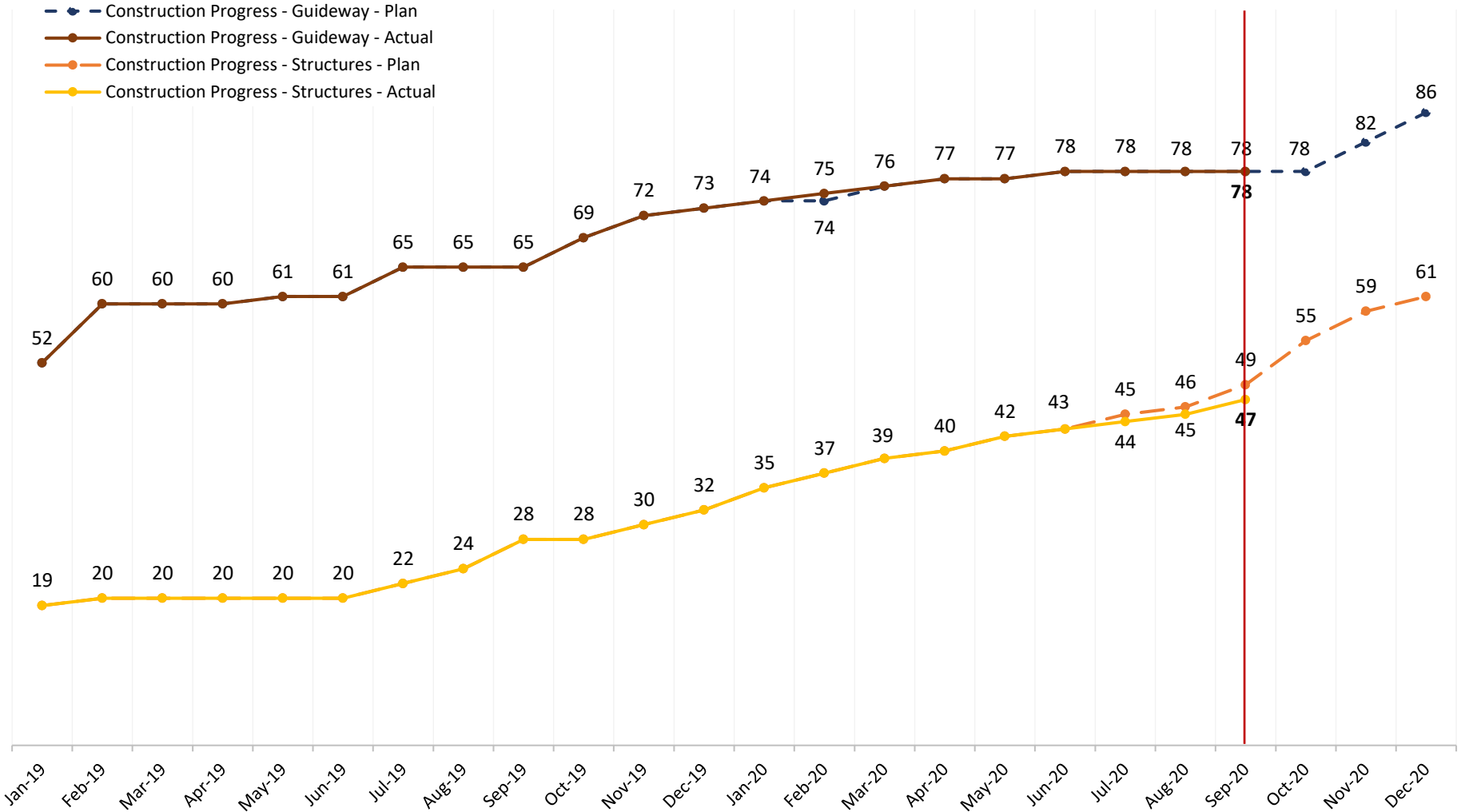


Notes:

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. All projections are being monitored against the conditional acceptance of CP 1-4’s Revised Baseline Schedule (RBS) as of September 2020.
3. Expenditures lower than forecasted due to delays in first order work in CP 1, additional time needed for CP 2-3 change order negotiations, and delays in utility relocations on CP 4.

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

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



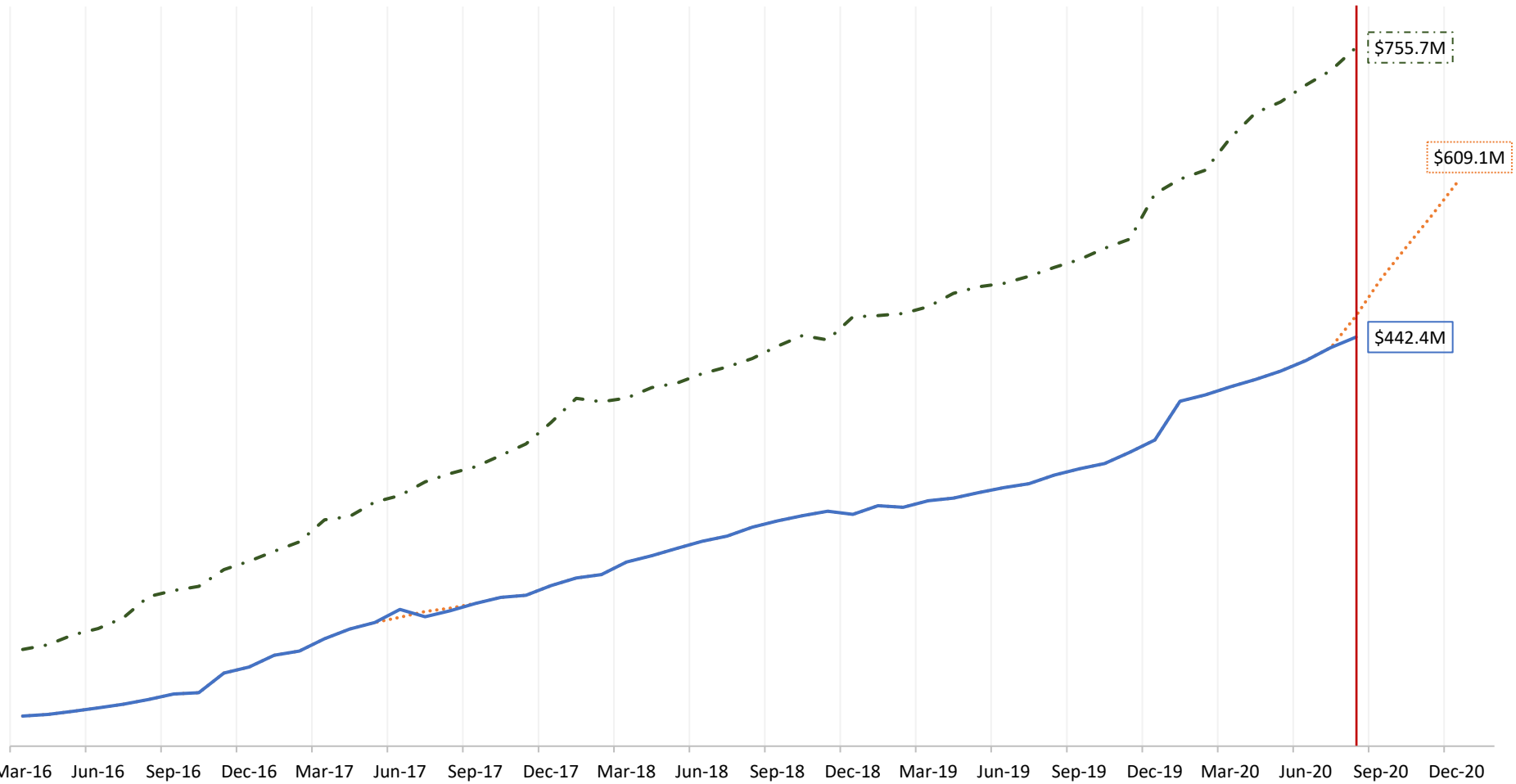
Notes:

1. Total Structures: 93 each.
2. Total Guideway: ~119 miles.
3. The Forecasted Structures and Guideway are based on the Authority's conditional acceptance of CP 1-4's Revised Baseline Schedule (RBS) as of September 2020.
4. SR-46 structure was delayed due to coordination with third parties and is expected to start October 12, 2020.

CP 1-4 – Small Business Enterprise

CP 1-4 Cumulative Values

●●●●● Cumulative SBE Forecast
 — Cumulative SBE Actual
 - · - · - Current SBE Target



Notes:

1. Number of Small Business Enterprise Awarded Contracts: 428.
2. Value of overall Small Business Goal (30%): \$1.4B.
3. Value of Current Small Business Enterprise Awarded Contracts: \$934.8M.
4. Value of Small Business expended: \$442.4M.
5. Small Business Enterprise Utilization percentage based on Contractor Invoices Paid to Date: 18%.
6. Business Enterprise Utilization towards Value of overall Small Business Goal: 31%.
7. Due to processing and confirmation of Contractor submitted data, Small Business Enterprise Values are as of August 2020.

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 (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 construction (PG&E, Southern California Edison, Fresno Irrigation District and the Fresno Metropolitan Flood Control District).
 - Tier 1: Land Right Conveyances (non-critical); due to the PG&E letter agreement (executed May 6, 2020) temporarily reclassified numerous critical PG&E land right conveyances as non-critical for construction and transfer of title occurs post construction.
 - Tier 2: Land Right Conveyances (non-critical); entities where transfer of title occurs post construction.

CP 1-4 – ROW Parcel Acquisition Summary

Construction Package	Total Needed August 31, 2020	Total Needed COS ⁽¹⁾ Modifications ⁽²⁾	Total Needed September 30, 2020	Total Acquired August 31, 2020	Acquired September 30, 2020	Total Acquired September 30, 2020
	(A)	(B)	(C) = (A) + (B)	(D)	(E)	(F) = (D) + (E)
CP 1	1,037	8	1,045	838	12	850
CP 2-3	1,005	10	1,015	678	16	694
CP 4	248	0	248	168	2	170
Total	2,290	18	2,308	1,684	30	1,714

Notes:

1. Certificate of Sufficiency (COS).
2. For Construction Package 1-4: 31 parcels added and 13 removed due to design optimization, net 18 parcels added (10 HSRA owned).

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

Construction Package	Total Acquired ⁽¹⁾ September 30, 2020	Delivered to DB ⁽²⁾ September 30, 2020	Total Delivered to DB ⁽³⁾ September 30, 2020	Total Acquired, Remaining to Deliver to DB September 30, 2020
	(G) = (F)	(H)	(I)	(J) = (G) - (I)
CP 1	850	1	833	17
CP 2-3	694	6	679	15
CP 4	170	1	169	1
Total	1,714	8	1,681	33

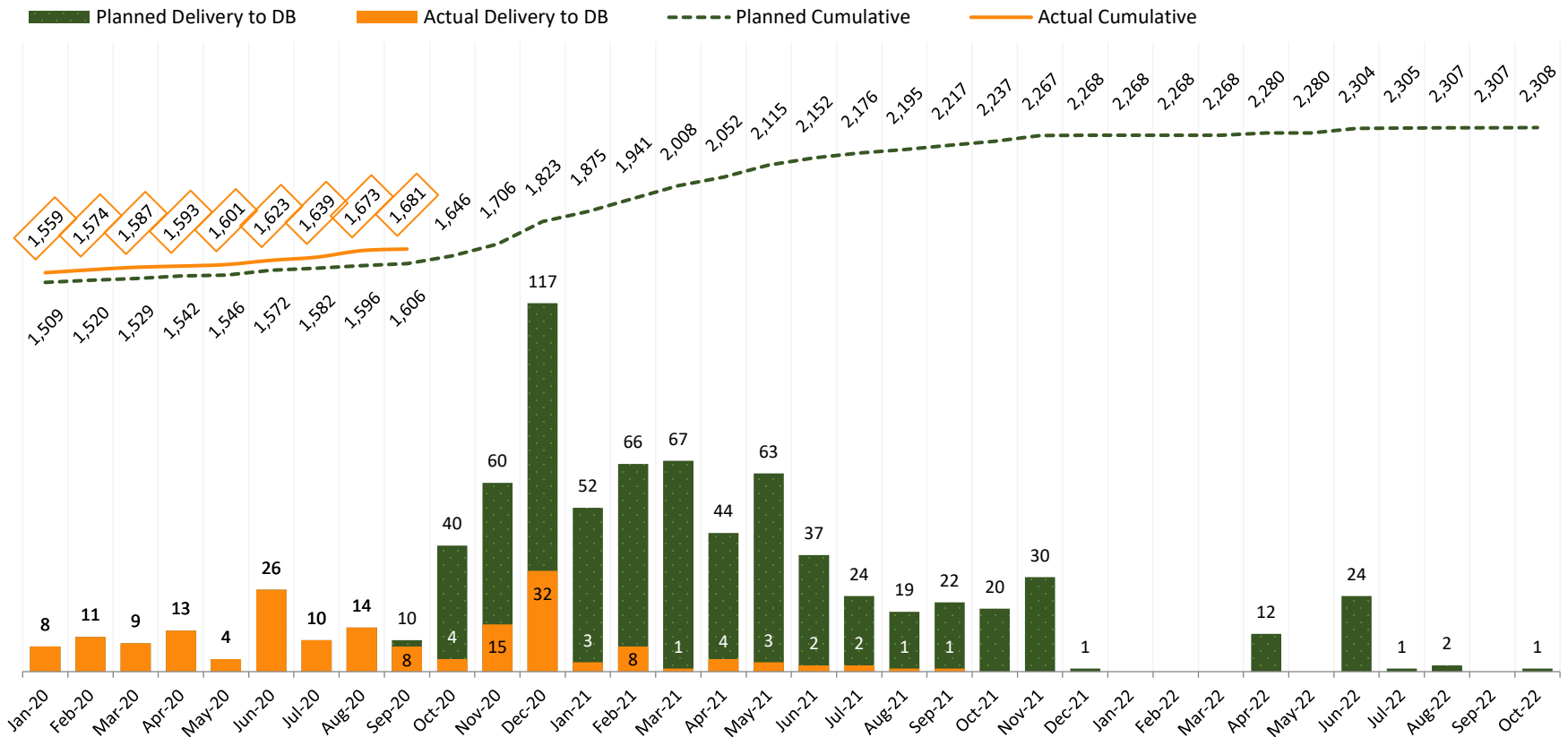
Notes:

1. Total Acquired is defined as parcels that are legally possessed by the Authority.
2. The eight parcels delivered to the DB includes: one in September; one in October; one in November; and five in 2021.
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 September 30, 2020	Total Parcels Delivered to Date September 30, 2020	Remaining Parcels to be Delivered September 30, 2020
CP 1	1,045	833	212
CP 2-3	1,015	679	336
CP 4	248	170	79
Total	2,308	1,681	627

CP 1-4 – Parcel Delivery to DB Summary



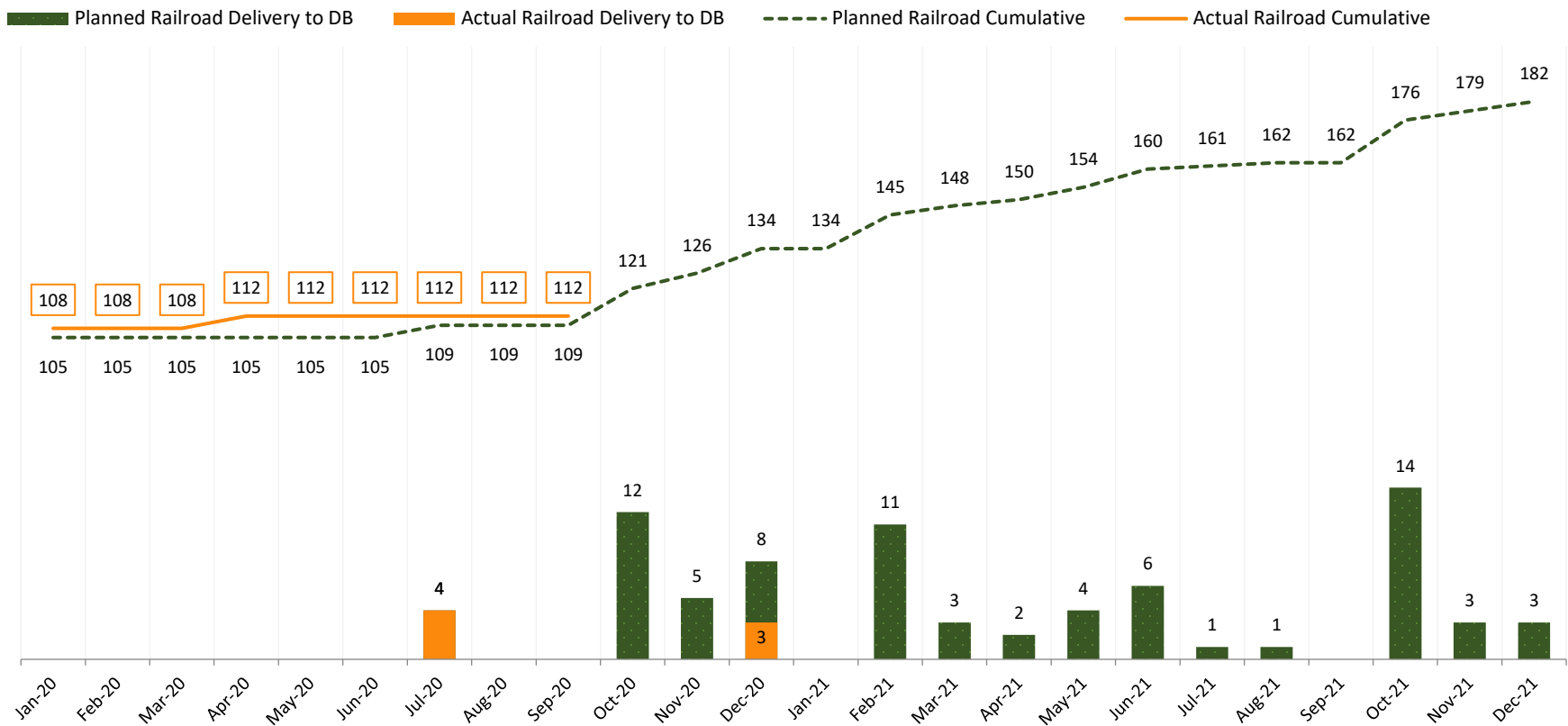
Notes:

1. This reflects the current Revised Baseline Schedules (RBSs) for CP 1, CP 2-3, and CP 4.
2. Planned Delivered to DB parcels may be adjusted periodically based on continued refinement of the RBS.
3. Actual cumulative line for September 2020 reflects delivered parcels that are forecasted in future months.
4. Right-of-Way agreements were executed in early October for remaining September parcels and are projected to be delivered to the DB in late October.

CP 1-4 – ROW Railroad Summary

Construction Package	Total Needed Railroad Parcels September 30, 2020	Total Railroad Parcels Delivered to Date September 30, 2020	Remaining Railroad Parcels to be Delivered September 30, 2020
CP 1	95	59	36
CP 2-3	57	26	31
CP 4	30	27	3
Total	182	112	70

CP 1-4 – Railroad Parcel Delivery to DB Summary



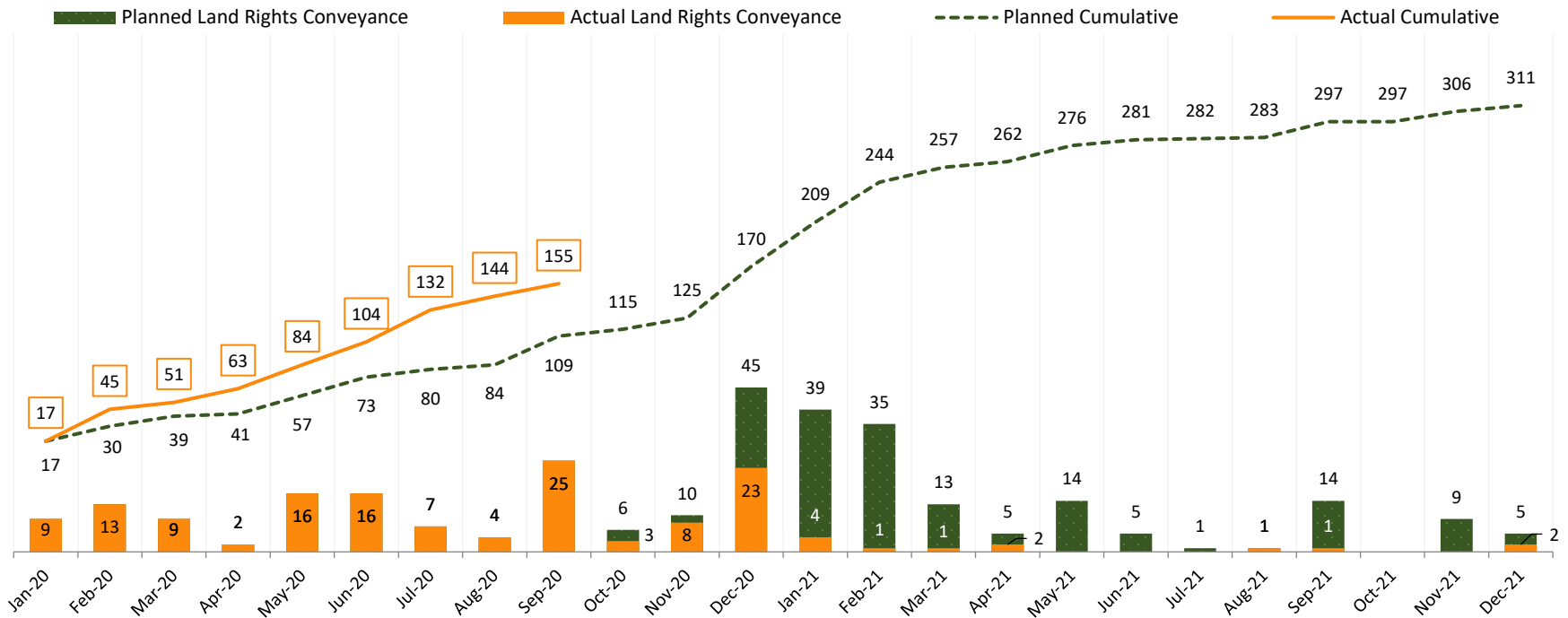
Notes:

1. This reflects the current Railroad Revised Baseline Schedules (RBSs) for CP 1, CP 2-3, and CP 4.
2. Planned Railroad Delivery to DB parcels may be adjusted periodically based on 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 Right Conveyances August 31, 2020	Total Needed Land Right Conveyances Modifications	Total Needed Land Right Conveyances September 30, 2020	Total Land Right Conveyances Approved ⁽⁵⁾ to Date August 31, 2020	Total Land Right Conveyances Approved September 30, 2020	Remaining Land Right Conveyances to be Approved September 30, 2020
CP 1	122	-1	121	70	6	45
CP 2-3	161	0	161	63	3	95
CP 4	29	0	29	11	2	16
Total	312	-1	311	144	11	156

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



Notes:

1. This projection has been revised based on the Revised Baseline Schedules (RBSs).
2. The PG&E letter agreement (executed May 6, 2020) temporarily reclassified numerous critical land right conveyances as non-critical for construction and is reflected above.
3. Actual Cumulative for September 2020 includes completed land right conveyances that are forecasted in future months.
4. Planned land right conveyances were adjusted from last month's report due to continued refinement of the RBS.
5. The term "Approved" is defined as land right conveyances with Director of Real Property for signature, PG&E for signature, or recorded.
6. Total Needed Land Right Conveyances in adjusted by one due to design optimization.

119-Mile Central Valley Segment – Third-Party Agreements

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

Entity	Project Section	Result of Resolution	Previous Estimated Completion	Current Estimated Completion
Madera Valley Water Company (MVWC)	CP 1	Obtain MVWC’s cooperation and capture essential terms working together to relocate MVWC facilities. In final stages of negotiation and review. May require a special board meeting for approval.	Jul-20	Oct-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. In final stages of negotiation and review.	Sep-20	Nov-20
City of Wasco	CP 4	Covers transfer of ROW between Authority and City. Grants immediate right of possession to Authority and use of existing ROW for construction. City of Wasco halted negotiations due to dispute on additional financial Farmworker Housing support.	Jul-20	On Hold
City of Wasco	CP 4	Defines ownership and maintenance of grade separations between Authority and City in perpetuity. City of Wasco halted negotiations due to dispute on additional financial Farmworker Housing support.	Jul-20	On Hold
Semitropic Water Storage District	CP 4	Design and construction of facilities. Semitropic Board approved March 2020. Semitropic counsel still finalizing provisions with the Authority’s Legal Office.	Jul-20	Nov-20
Semitropic Water Storage District	CP 4	CCUA ⁽¹⁾ template allows prompt execution of land conveyances. Semitropic Board approved March 2020. Semitropic still finalizing exhibits with the Authority’s CP 4 team.	Jul-20	Nov-20
Semitropic Water Storage District	CP 4	JUA ⁽²⁾ template allows prompt execution of land conveyances. Semitropic Board approved March 2020. Semitropic still finalizing exhibits with the Authority’s CP 4 team.	Jul-20	Nov-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.

119-Mile Central Valley Segment – Environmental Clearance - Incidental Take Permits (ITP) Summary⁽¹⁾

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	In Review with CDFW	CP 1	With CDFW and set to be issued in October.	Mar-20	Oct-20 ⁽²⁾
Utility Design Refinements	Contractor to Submit	CP 1	Amendment to document the changes in utility design.	Aug-20	Feb-21 ⁽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
All Access Roads and Utility Logistics	In Progress	CP 4	<p>This amendment addresses additional ROW required for the installation of access roads needed to provide:</p> <ul style="list-style-type: none"> • Maintenance access for third-party utilities and private property owners. • Relocation access for third-party utility installations. • Equipment staging areas. • Access to various associated third-party facilities. 	Aug-20	Nov-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 provided a response to CDFW notification of incomplete request on June 23, 2020.
3. Amendment is currently being drafted with expected submittal by contractor in November 2020.

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 Forecast Substantial Completion Date⁽²⁾:	12/30/2022

Contract Value

Description	Amount
Fixed Bid Price:	\$969,988,000.00
Provisional Sums:	\$53,000,000.00
Original Contract Price:	\$1,022,988,000.00
Executed Change Orders:	\$1,236,919,366.45
Current Contract Amount:	\$2,259,907,366.45
Approved Invoices to Date ⁽¹⁾ :	\$1,361,782,093.73
Remaining Contract Balance:	\$898,125,272.72

Contract Time Status

Description	Duration ⁽³⁾
Original Contract Days:	1,628
Extension of Time Awarded:	1,312
Current Forecast Contract Days:	2,940
Work Days Spent (thru 09/30/2020):	2,542

Expended to Date

Description	Percentage
Time:	74.1%
Dollars:	60.3%

Growth Percentage

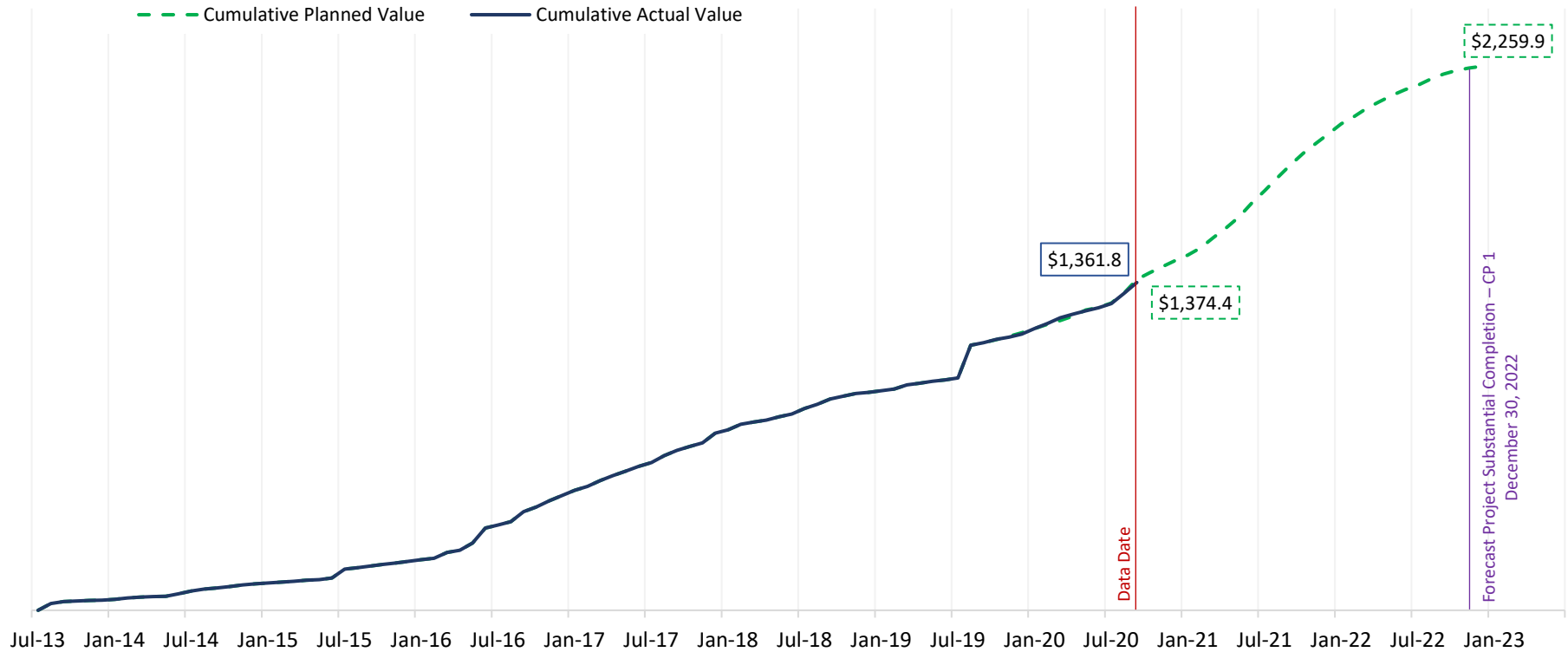
Description	Percentage
Time:	110.6%
Dollars:	120.9%

Notes:

1. Includes actuals through September 2020 and estimate for October 2020.
2. Current RBS Substantial Completion Forecast Date (Pending executed change order letter issuance) – December 30, 2022.
3. Calendar Days.

CP 1 – Earned Value

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



CP 1 – Projected Milestones

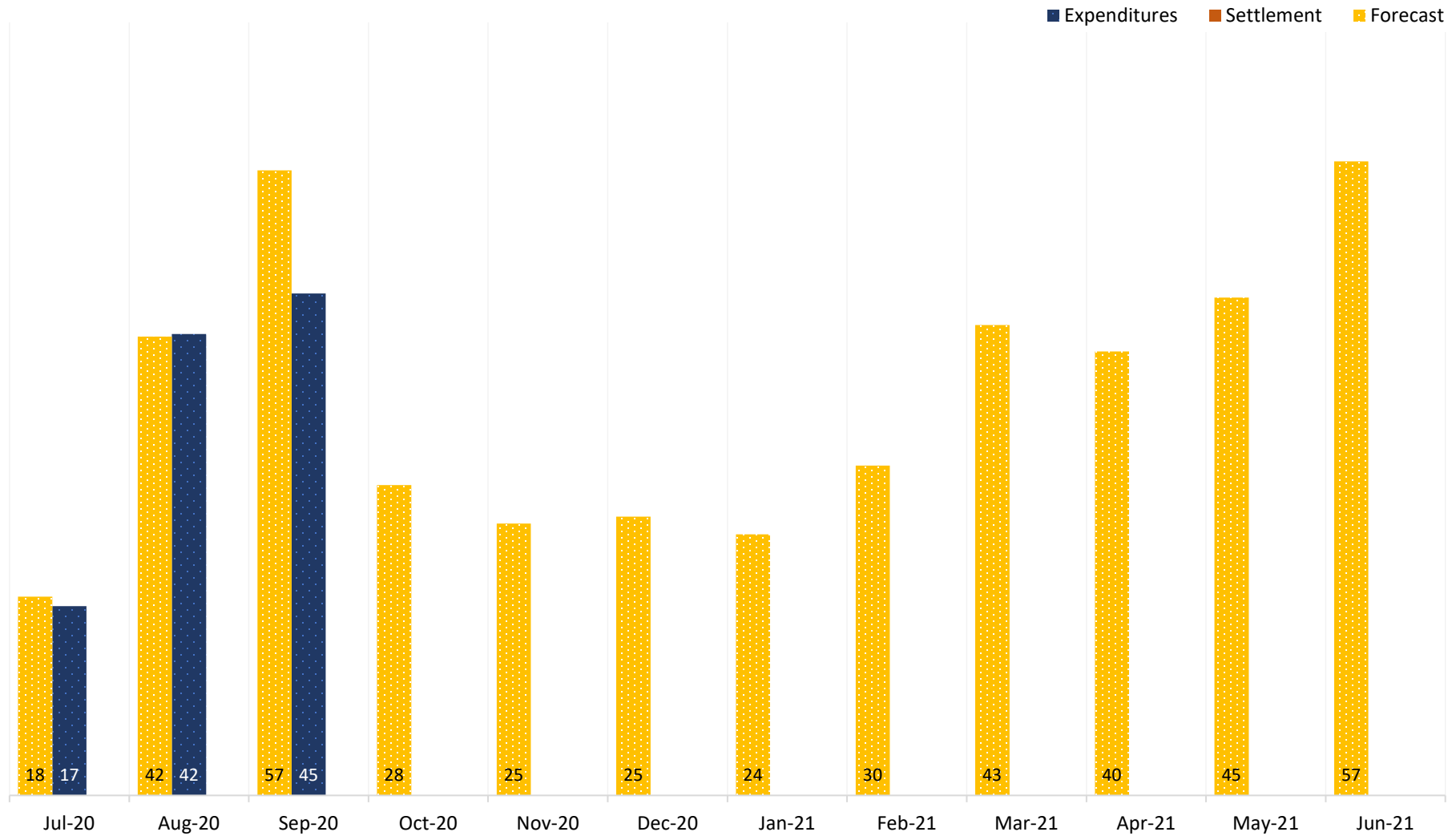
Milestone	Date
Main Design Complete	Oct-20
ROW Critical Parcels Acquisition Complete	Nov-20

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

- Notes:**
1. 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.
 2. Main Design has been pushed to October 2020 as the DB and PCM get the FCN/DCN process into contract compliance to enforce the verification and validation certification.
 3. CP 1 Environmental Clearance pushed to November 2020 in order to review the Hazardous Abatement designs and incorporate additional utilities and BNSF access roads at the structure and guideway sites.
 4. The Planned Value and Contract Substantial Completion Date (December 2022) are based on the Authority's conditional acceptance of CP 1's Revised Baseline Schedule (RBS) as of July 2020. This is expected to be refined as future change orders are issued and finalized.

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 projections are being monitored against the conditional acceptance of CP 1's Revised Baseline Schedule (RBS) as of September 2020.
3. Expenditures lower than forecasted due to delays in first order work.

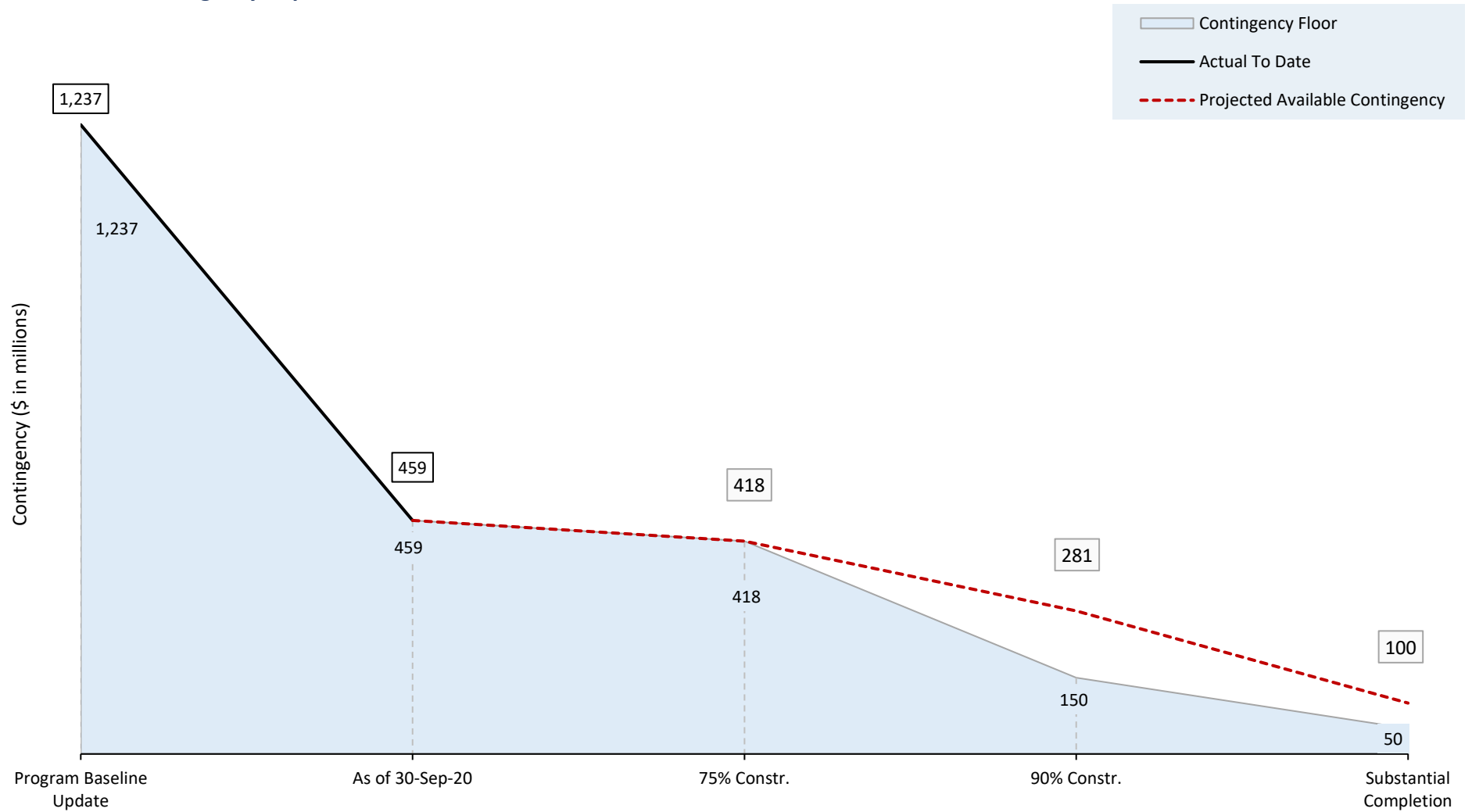
CP 1 – Executed Change Order Status

CP 1 – Executed Change Order Status

CO Number	Title	Change Status	Amount	Executed Date
00343	Downtown Fresno Drainage	Executed	\$220,633.00	10-Sep-20
00354	Redesign W1-042 Crossing at Pine and West	Executed	\$71,576.00	22-Sep-20
00355	UPRR Delay in Providing MCL for Tulare Kinder Morgan Relocation	Executed	\$17,077.00	10-Sep-20
Total:			\$309,286.00	

CP 1 – Risk - Contingency Report

CP 1 – Risk - Contingency Report

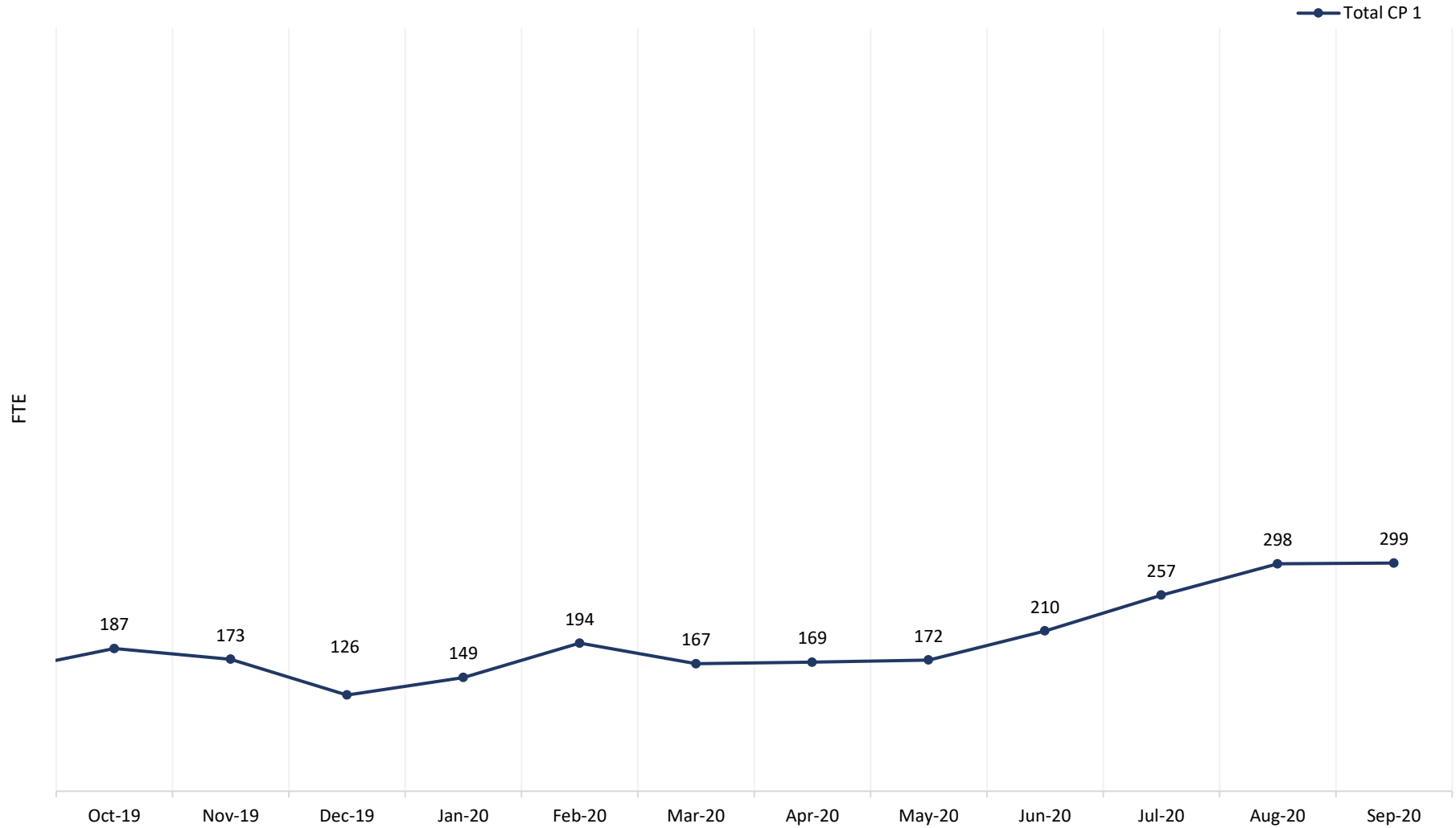


Notes:

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 September 30, 2020.
3. Remaining contingency balance reflects executed change orders only.

CP 1 – Monthly Construction Workforce Total

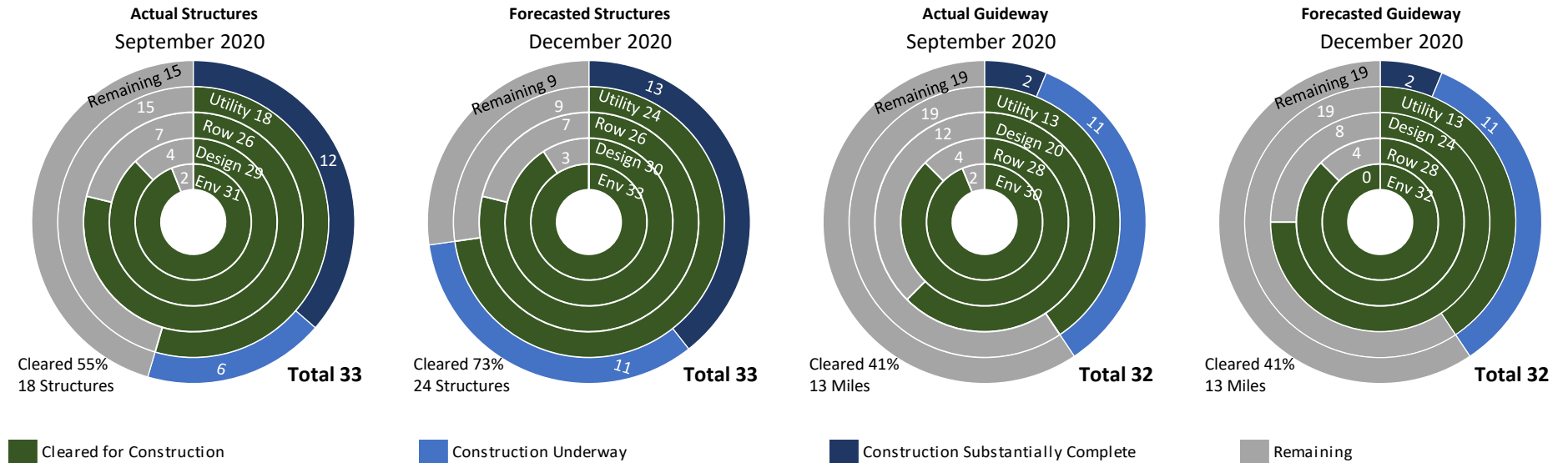
CP 1 – Monthly Construction Workforce Total – Actual



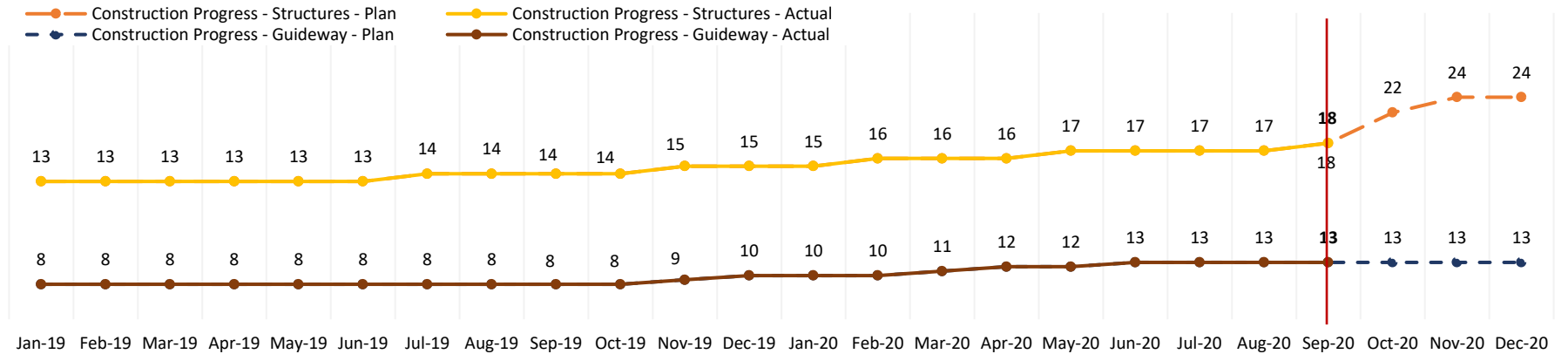
- Notes:**
1. The Construction Labor numbers (Full-Time Employees) are based on the working calendar month.
 2. The December 2019 reporting number shows a sharp decrease due to the holiday week of December 23rd through December 31st.
 3. The data from October 2019 to April 2020 was previously presented with data from each month's final week. The data has been updated to represent more accurately the overall total on a per working calendar month average status.

CP 1 – Construction Progress

CP 1 – Construction Progress



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

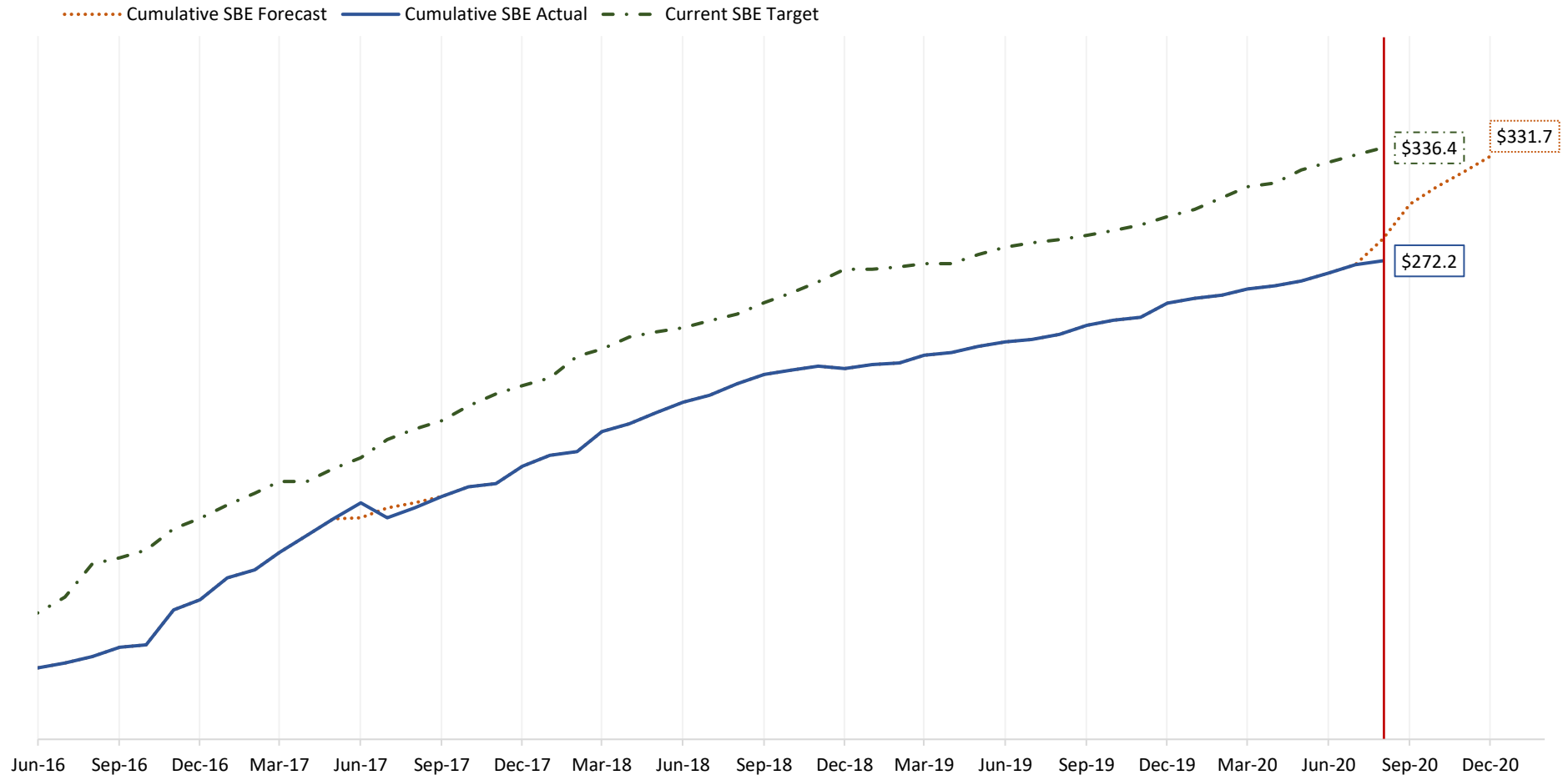


Notes:

1. 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. The Forecasted Structures and Guideway are based on the Authority's conditional acceptance of CP 1's Revised Baseline Schedule (RBS) as of September 2020.
4. The Forecasted Structures and Guideway for December 2020 has been adjusted to the midpoint date.

CP 1 – Small Business Enterprise

TPZP CP-1 – Historical Progress Toward 30% SB Goal Based on Paid to Date Values (\$M)



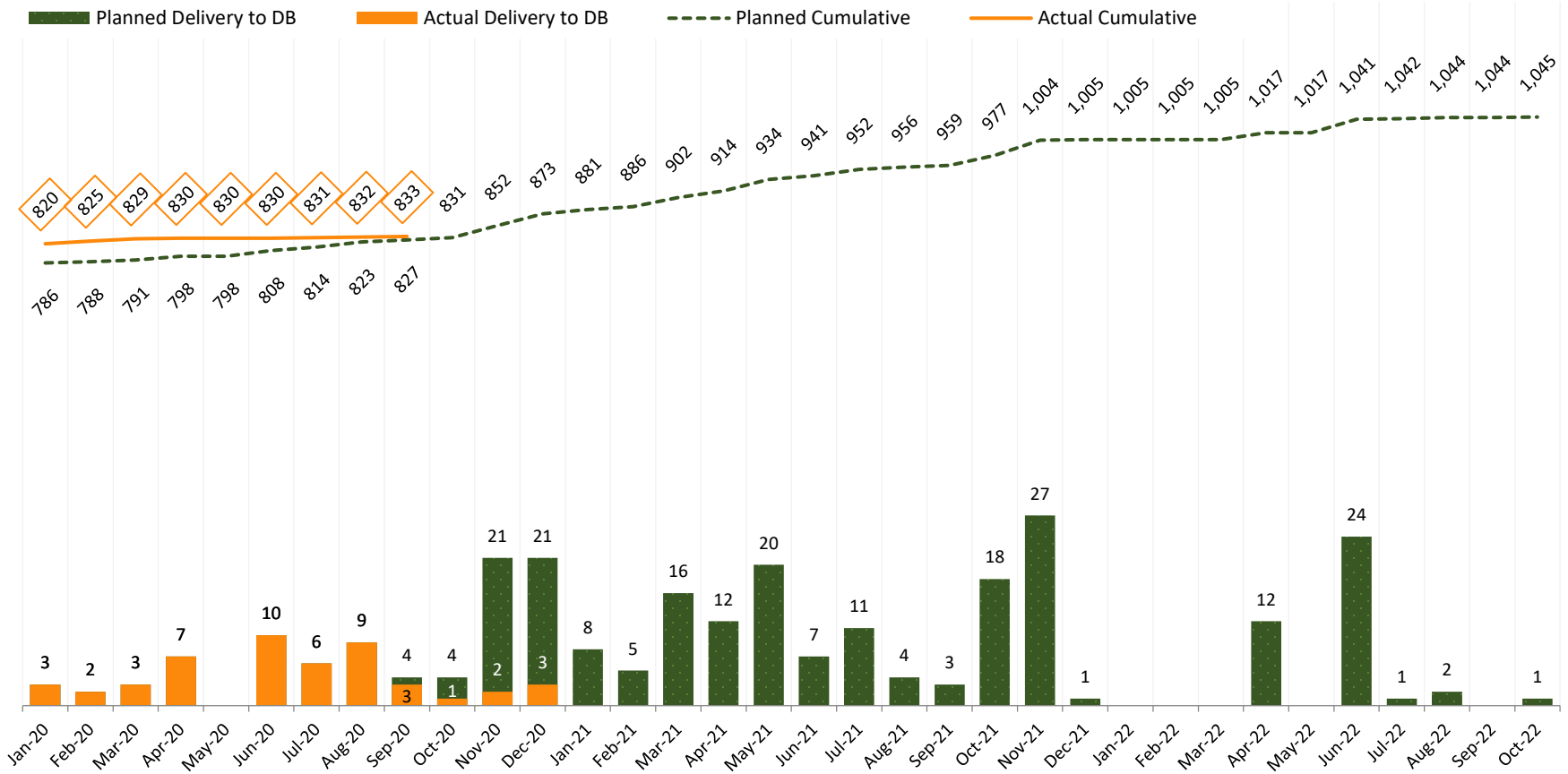
Notes:

1. Number of Small Business Enterprise Awarded Contracts: 137.
2. Value of overall Small Business Goal (30%): \$671.2M.
3. Value of Current Small Business Enterprise Awarded Contracts: \$508.9M (+\$17.8M from July 2020)
4. Value of Small Business expended: \$272.2M.
5. 30% Goal Value for Small Business expended: \$336.4M.
6. Small Business Enterprise Utilization percentage based on Contractor Invoices Paid to Date: 24%.
7. Small Business Enterprise Utilization towards Value of overall Small Business Goal: 41%.
8. Due to processing and confirmation of Contractor submitted data, Small Business Enterprise Values are as of August 2020.

CP 1 – ROW Summary

Construction Package	Total Needed Parcels September 30, 2020	Total Parcels Delivered to Date September 30, 2020	Remaining Parcels to be Delivered September 30, 2020
CP 1	1,045	833	212

CP 1 – Parcel Delivery to DB Summary



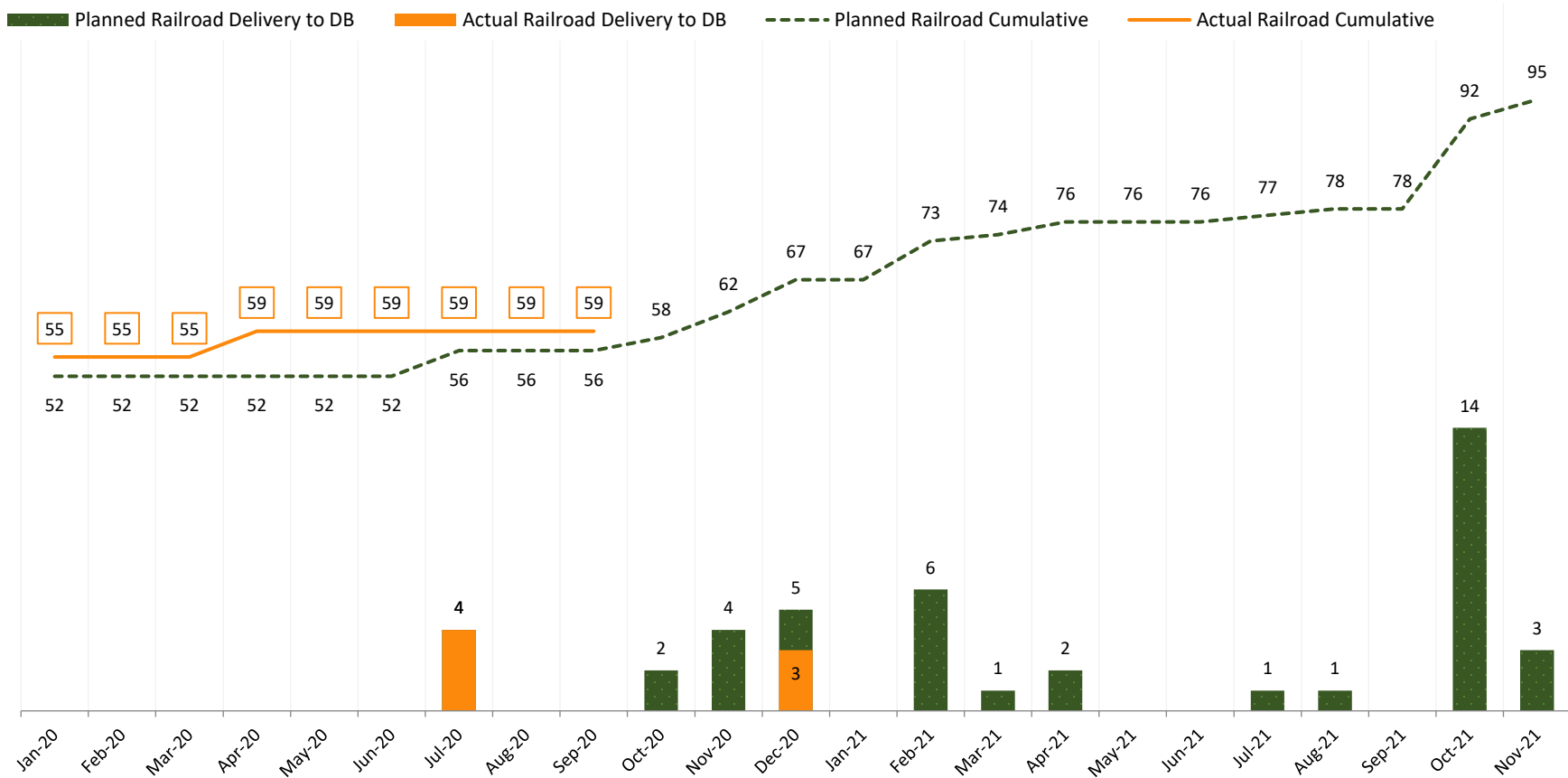
Notes:

1. This reflects the current Revised Baseline Schedules (RBSs) for CP 1.
2. Planned Delivered to DB parcels may be adjusted periodically based on continued refinement of the RBS.
3. Actual cumulative line for September 2020 reflects delivered parcels that are forecasted in future months.
4. Right-of-Way agreement was executed in early October for remaining September parcel and is projected to be delivered to the DB in late October.

CP 1 – ROW Railroad Summary

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

CP 1 – Railroad Parcel Delivery to DB Summary



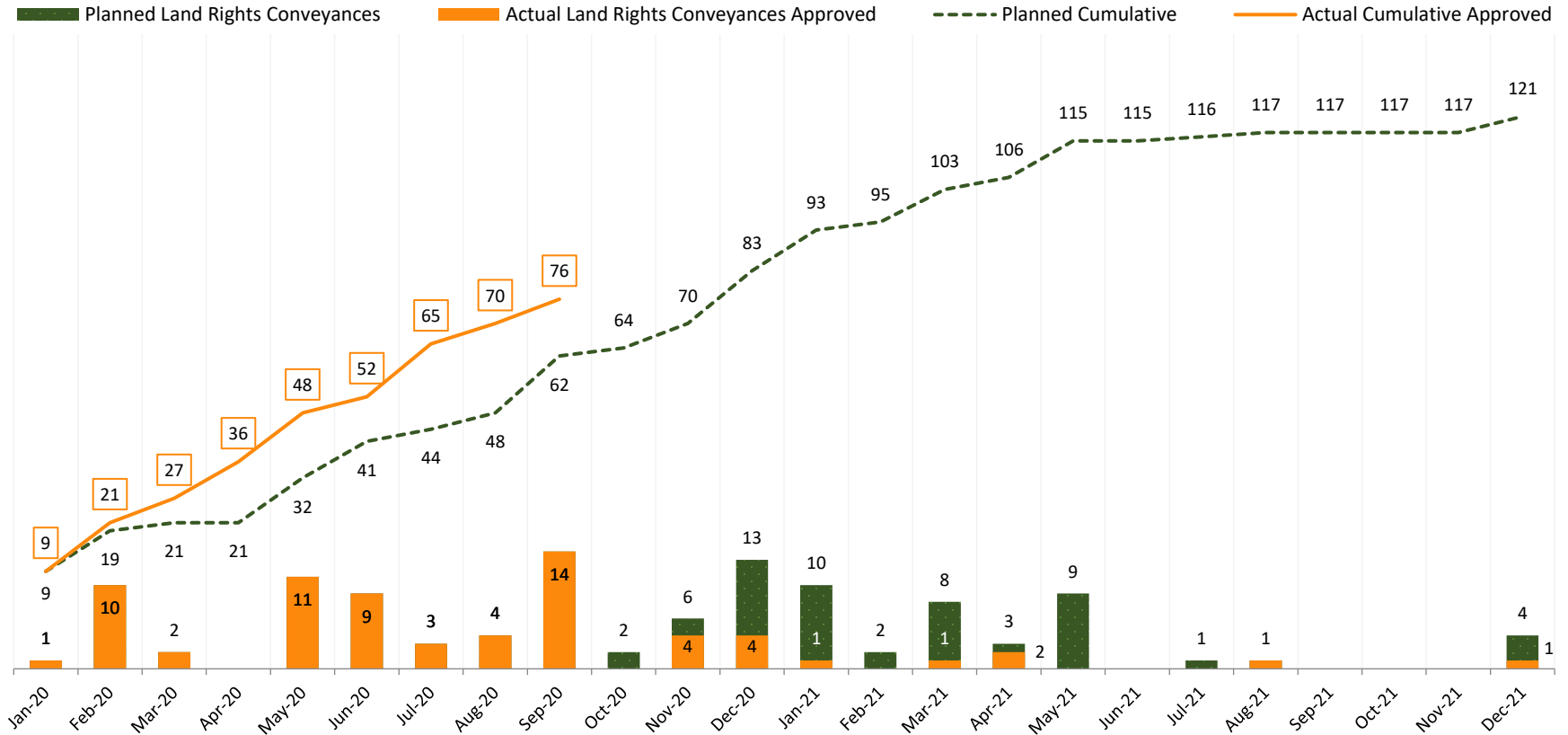
Notes:

1. This reflects the current Railroad Revised Baseline Schedules (RBSs) for CP 1.
2. Planned Railroad Delivery to DB parcels may be adjusted periodically based on 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 Right Conveyances September 30, 2020	Total Land Right Conveyances Approved ⁽⁵⁾ to Date September 30, 2020	Remaining Land Right Conveyances to be Approved September 30, 2020
CP 1	121	76	45

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



Notes:

1. This projection has been revised based on the Revised Baseline Schedules (RBSs).
2. The PG&E letter agreement (executed May 6, 2020) temporarily reclassified numerous critical land right conveyances as non-critical for construction and is reflected above.
3. Actual Cumulative for September 2020 includes completed land right conveyances that are forecasted in future months.
4. Planned land right conveyances were adjusted from last month's report due to continued refinement of the RBS.
5. The term "Approved" is defined as land right conveyances with Director of Real Property for signature, PG&E for signature, or recorded.
6. Total Needed Land Right Conveyances in CP 1 adjusted by one due to design optimization.

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 Forecast Substantial Completion Date⁽²⁾:	12/18/2022

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:	\$678,417,969.00
Current Contract Amount:	\$2,043,753,859.00
Approved Invoices to Date ⁽¹⁾ :	\$1,224,627,978.17
Remaining Contract Balance:	\$819,125,880.83

Contract Time Status

Description	Duration ⁽³⁾
Original Contract Days:	1,486
Extension of Time Awarded:	973
Current Forecast Contract Days:	2,459
Work Days Spent (thru 09/30/2020):	1,894

Expended to Date

Description	Percentage
Time:	68.3%
Dollars:	60.0%

Growth Percentage

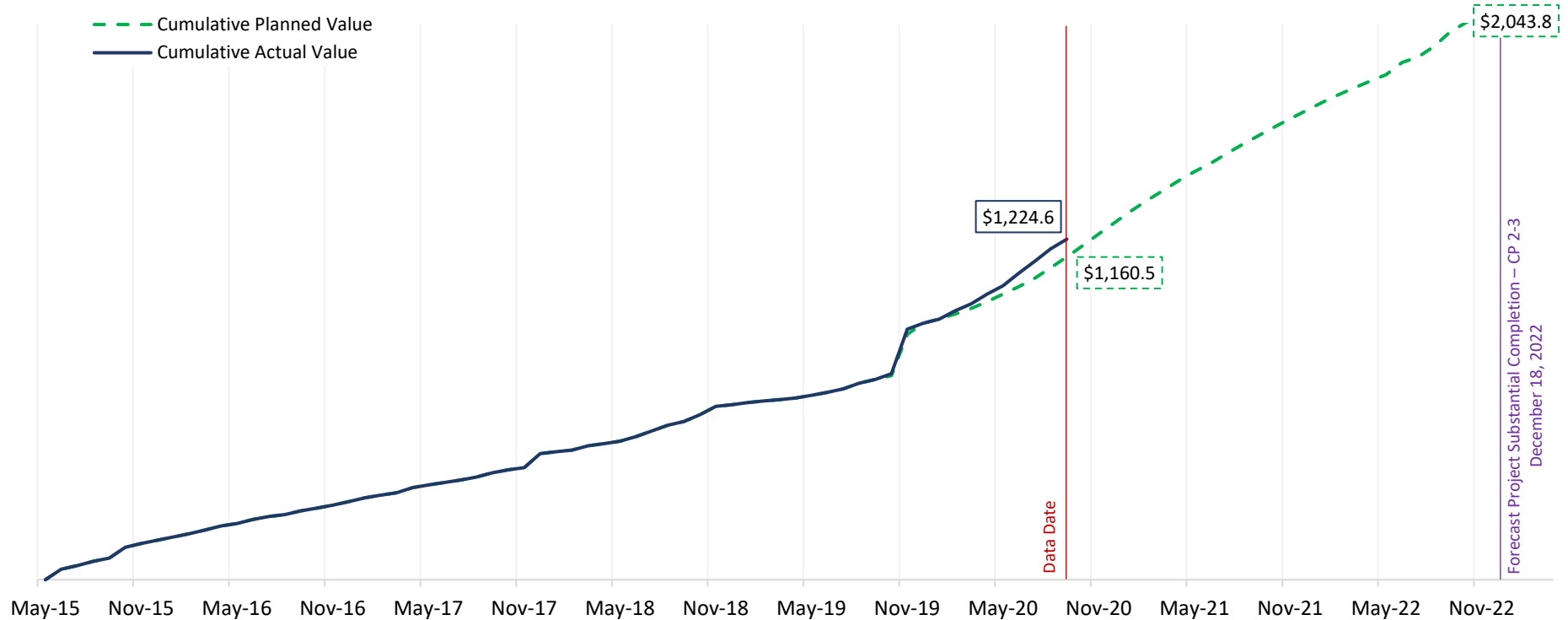
Description	Percentage
Time:	86.4%
Dollars:	49.7%

Notes:

1. Includes actuals through September 2020 and estimate for October 2020.
2. Current RBS Substantial Completion Forecast Date (Pending executed change order letter issuance) – December 18, 2022.
3. Calendar Days.

CP 2-3 – Earned Value

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



CP 2-3 – Projected Milestones

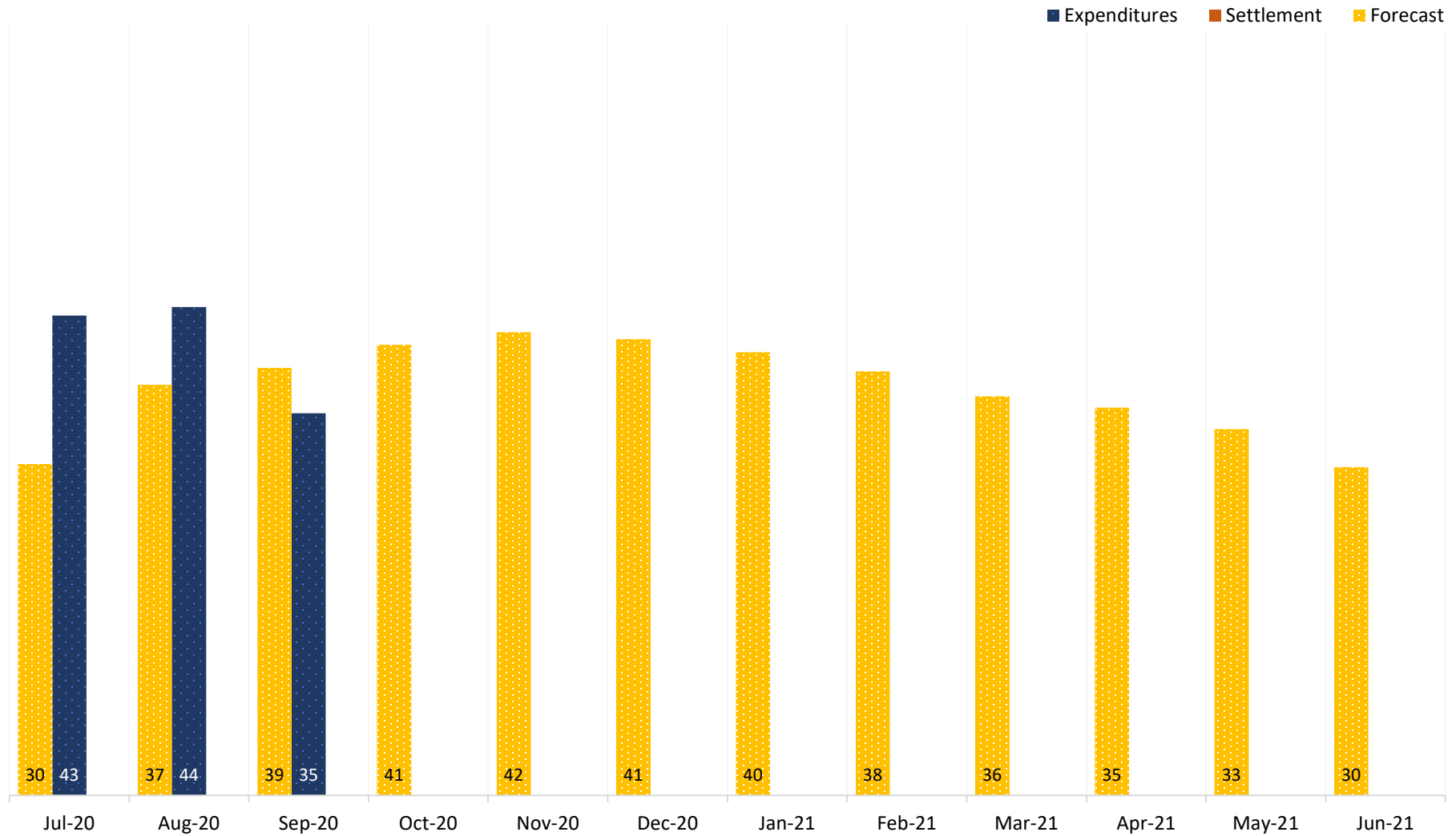
Milestone	Date
Main Design Complete	Dec-20 ⁽³⁾
ROW Critical Parcels Acquisition Complete	Jan-21

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

- Notes:**
1. The Planned Value and Contract Substantial Completion Date are based on the CP 2-3 Proposed Revised Baseline Schedule as of July 2020. This is expected to be refined as future change orders are issued.
 2. The Current Contract Value does not include unexecuted change orders including Project 517, the latest TIA settlement, and IPB change orders.
 3. 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 projections are being monitored against the conditional acceptance of CP 2-3's Revised Baseline Schedule (RBS) as of September 2020.
3. Expenditures lower than forecasted due to additional time needed for change order negotiations.

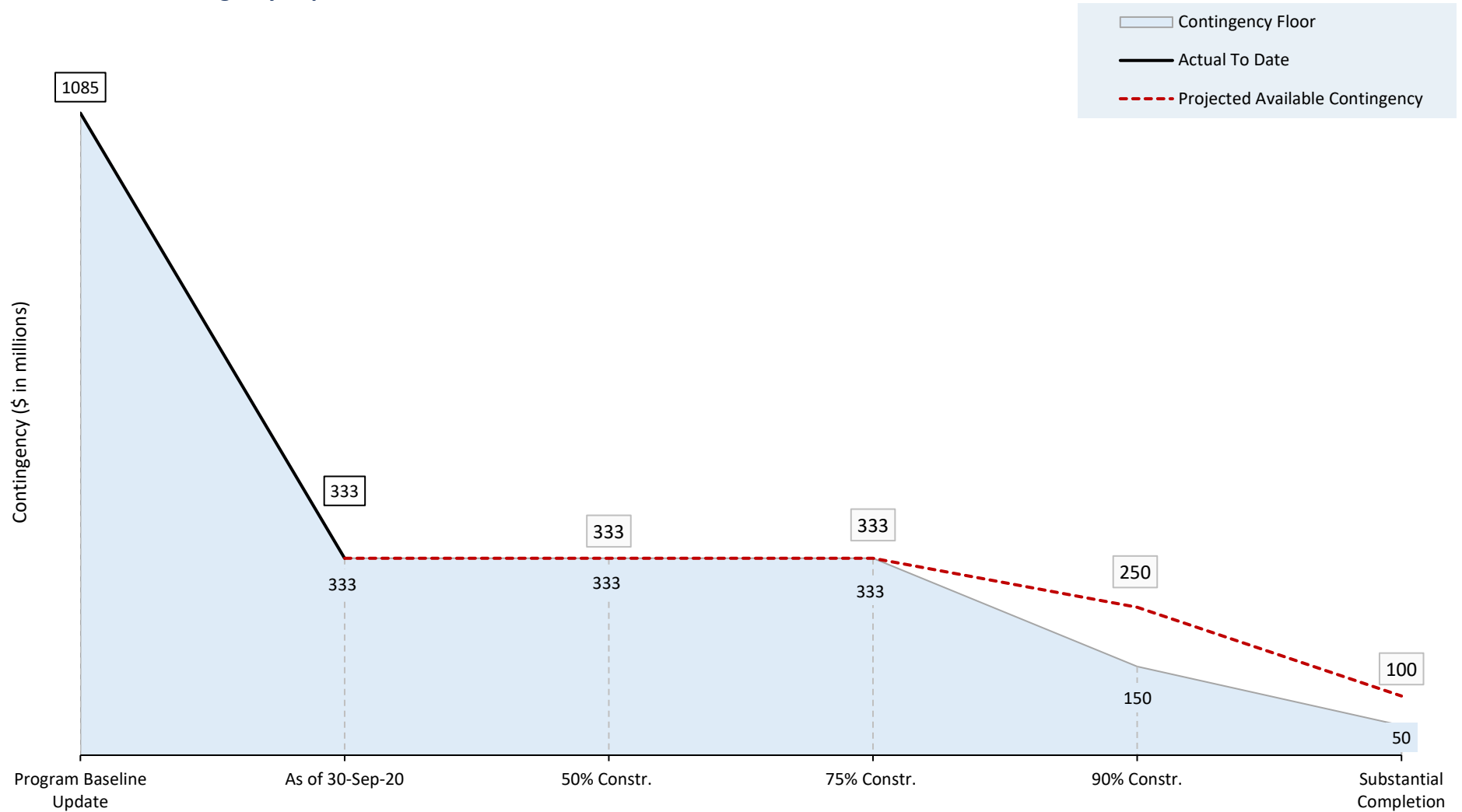
CP 2-3 – Executed Change Order Status

CP 2-3 – Executed Change Order Status

CO Number	Title	Change Status	Amount	Executed Date
000151	PGE Provisional Sum	Executed	\$90,000,000.00	14-Sep-20
00167	Davis' SW Quadrant Shared Driveway	Executed	\$59,052.00	23-Sep-20
00150	Caltrans SPR5 SR-43_Corcoran Highway Package	Executed	\$9,199.00	25-Sep-20
00170	Daily Site Security and Maintenance Checks	Executed	\$222,013.00	25-Sep-20
00166	Sweet Canal ROW Delays	Executed	\$266,315.00	25-Sep-20
00165	Jackson Avenue Embankment	Executed	\$713,663.00	25-Sep-20
00045.11	Escalation Costs - July 2020	Executed	\$792,547.00	25-Sep-20
00189	Lawrence Ditch Temp Bypass	Executed	\$98,938.00	28-Sep-20
00180	Modify OH Widths at Flint Avenue, Fargo Avenue, Idaho Avenue	Executed	\$172,914.00	28-Sep-20
00157	Bevins Lateral Irrigation	Executed	\$805,245.00	28-Sep-20
00163	Lawrence Ditch	Executed	\$5,375,264.00	28-Sep-20
Total:			\$98,515,150.00	

CP 2-3 – Risk - Contingency Report

CP 2-3 – Risk - Contingency Report

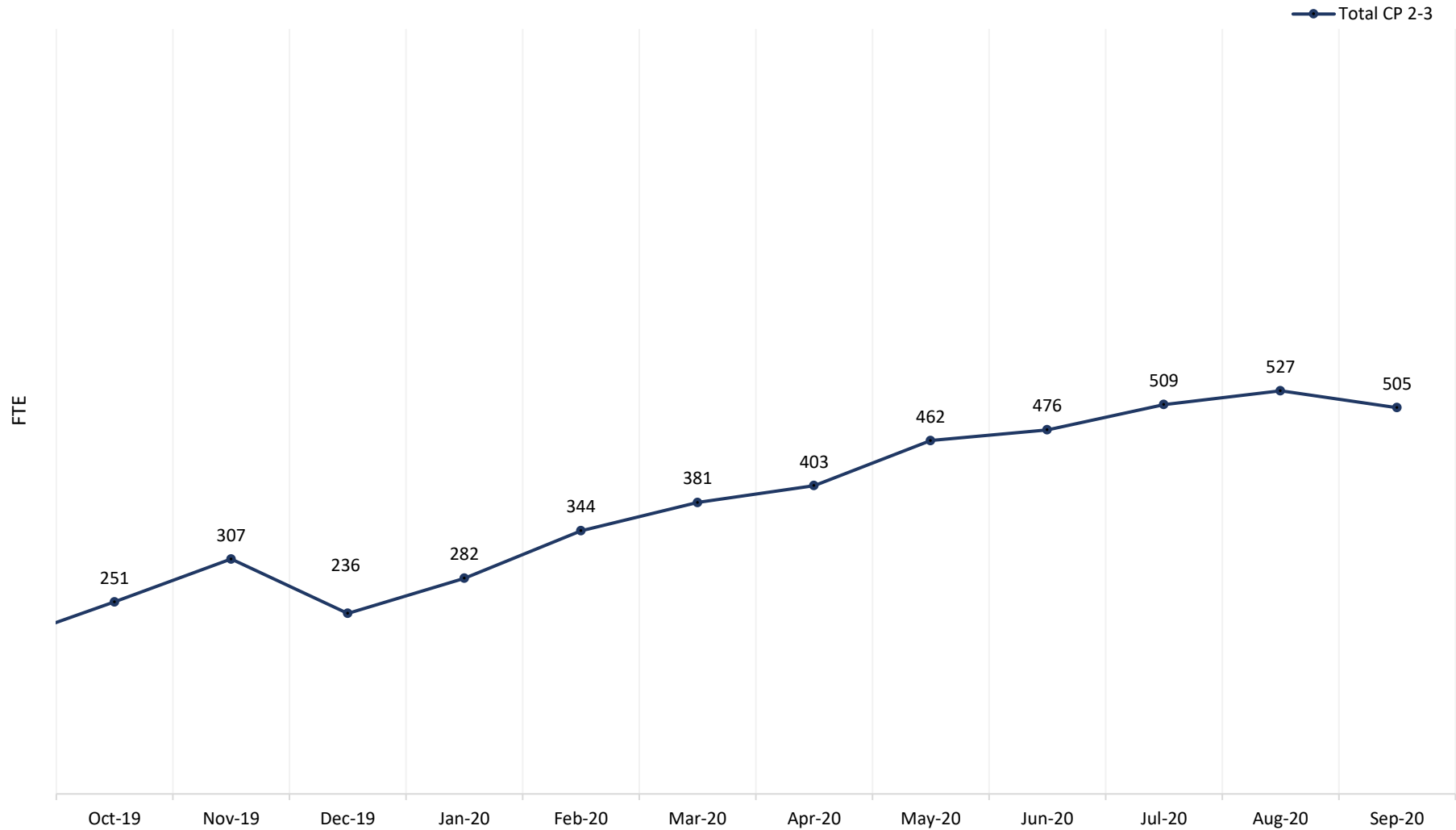


Notes:

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 September 30, 2020.
3. Remaining contingency balance reflects executed change orders only.

CP 2-3 – Monthly Construction Workforce Total

CP 2-3 – Monthly Construction Workforce Total – Actual

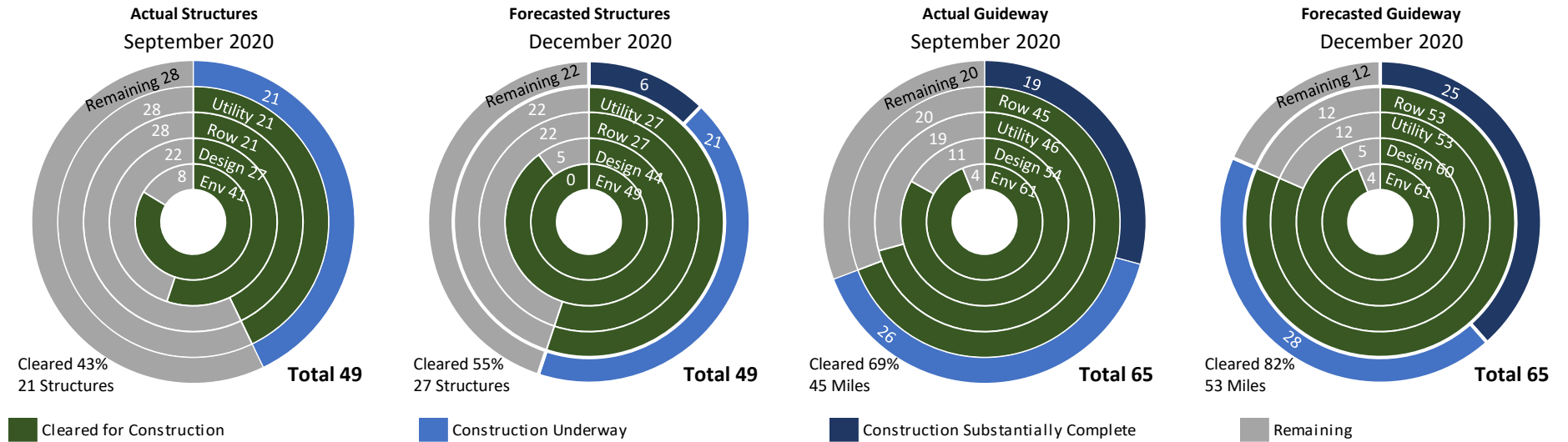


Notes:

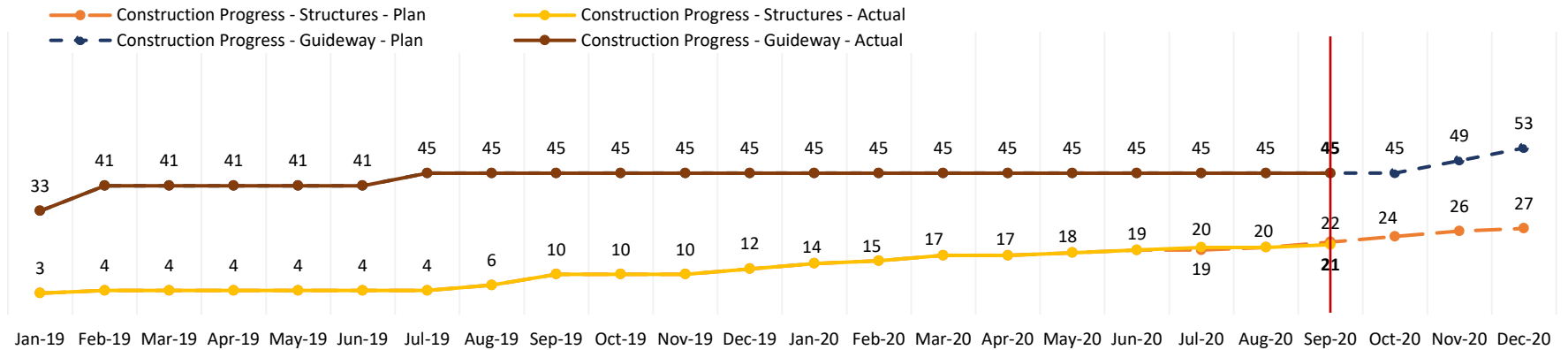
1. The Construction Labor numbers (Full-Time Employees) are based on the working calendar month.
2. The December 2019 reporting number shows a sharp decrease due to the holiday week of December 23rd through December 31st.
3. The data from October 2019 to April 2020 was previously presented with data from each month's final week. The data has been updated to represent more accurately the overall total on a per working calendar month average status.

CP 2-3 – Construction Progress

CP 2-3 – Construction Progress



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

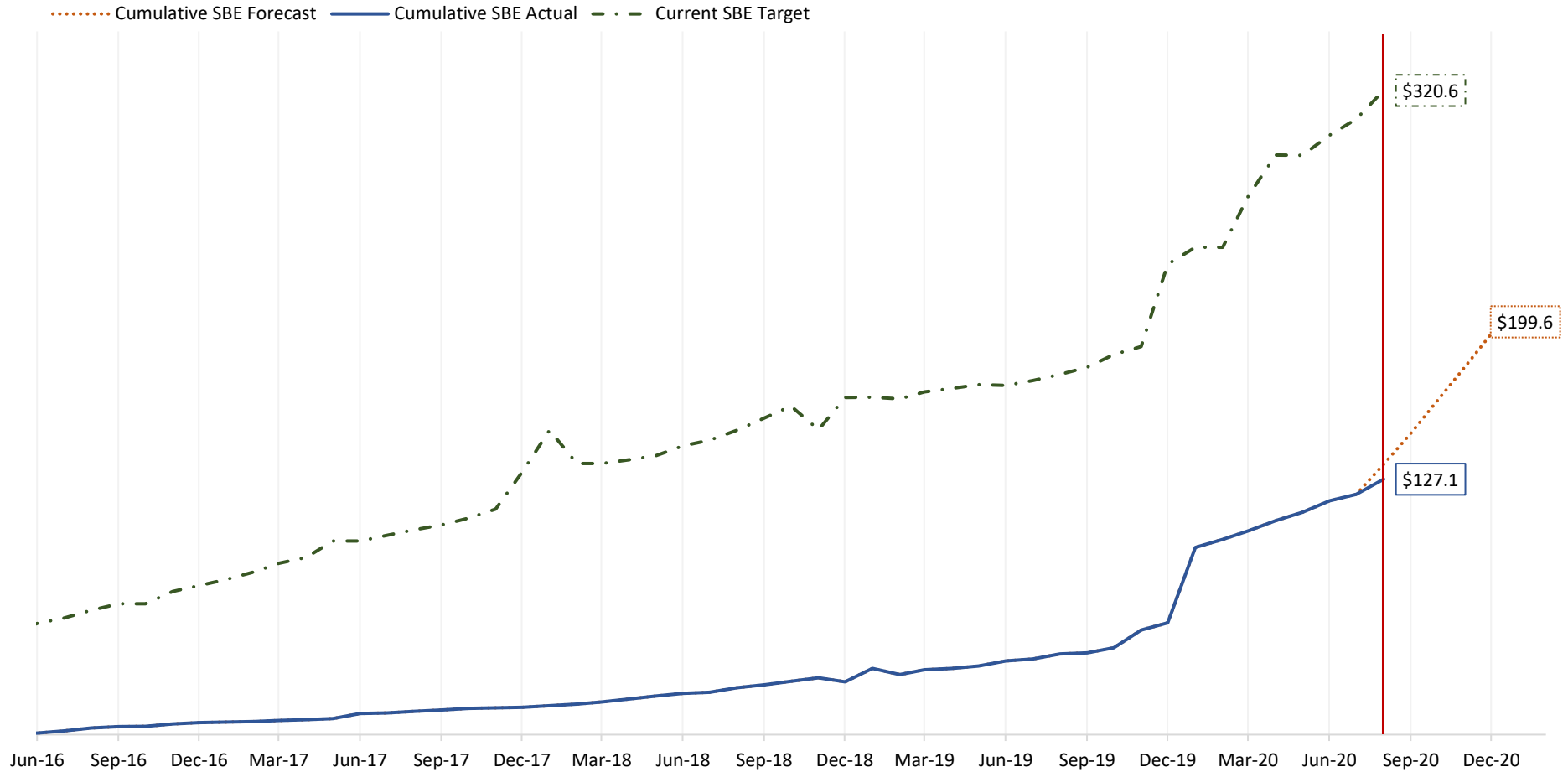


Notes:

1. 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. The Forecasted Structures and Guideway are based on the Authority’s conditional acceptance of CP 2-3’s Revised Baseline Schedule (RBS) as of September 2020.

CP 2-3 – Small Business Enterprise

DFJV CP 2-3 – Historical Progress Toward 30% SB Goal Based on Paid to Date Values (\$M)



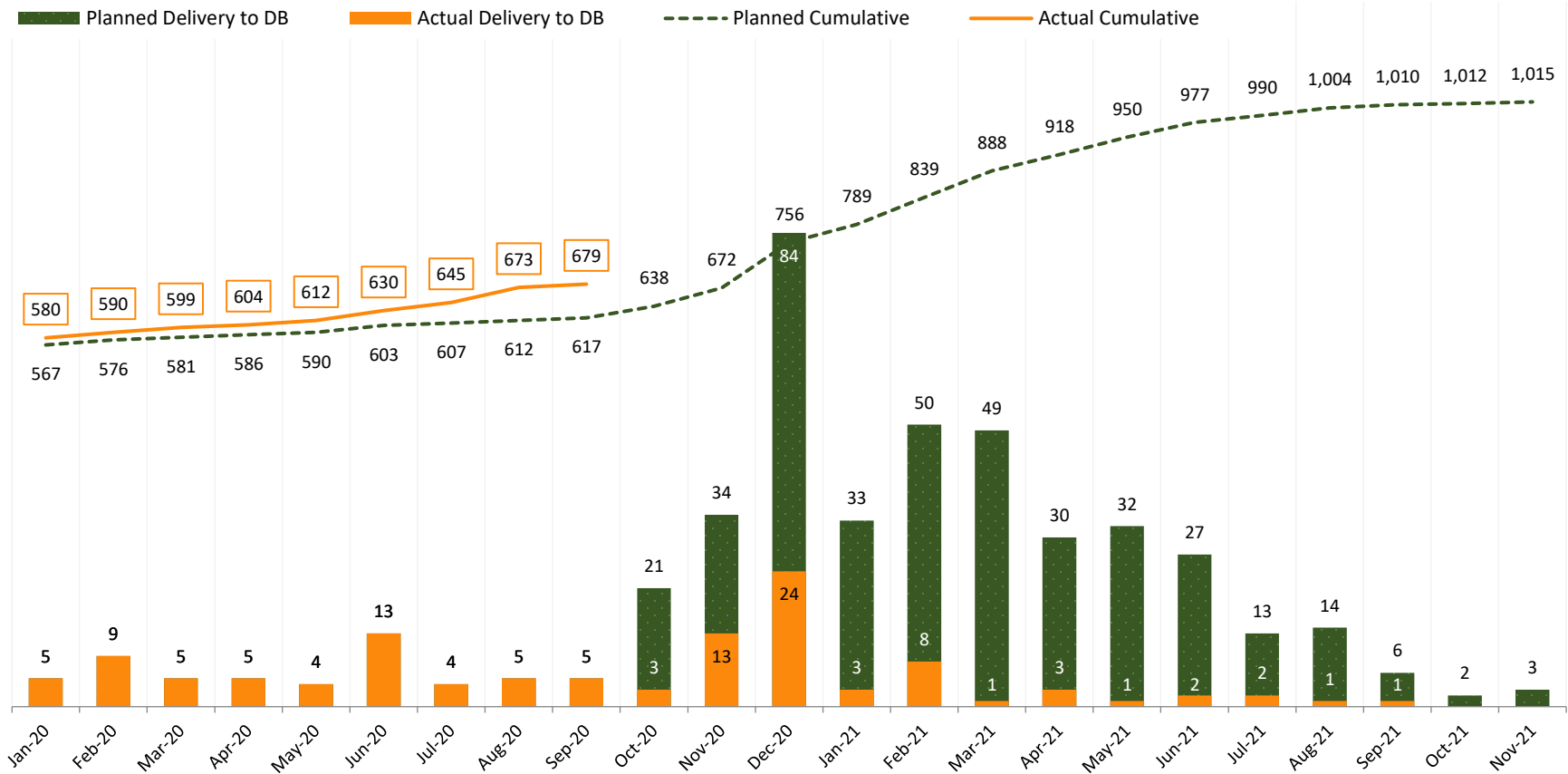
Notes:

1. Number of Small Business Enterprise Awarded Contracts: 202.
2. Value of overall SB Goal (30%): \$566.3M.
3. Value of Current Small Business Enterprise Awarded Contracts: \$348.2M (+\$4.6M from July 2020).
4. Value of Small Business expended: \$127.1M.
5. 30% Goal Value for Small Business expended: \$320.6M.
6. Small Business Enterprise Utilization percentage based on Contractor Invoices Paid to Date 12%.
7. Small Business Enterprise Utilization towards Value of overall Small Business Goal: 22%.
8. Due to processing and confirmation of Contractor submitted data, Small Business Enterprise Values are as of August 2020.

CP 2-3 – ROW Summary

Construction Package	Total Needed Parcels September 30, 2020	Total Parcels Delivered to Date September 30, 2020	Remaining Parcels to be Delivered September 30, 2020
CP 2-3	1,015	679	336

CP 2-3 – Parcel Delivery to DB Summary



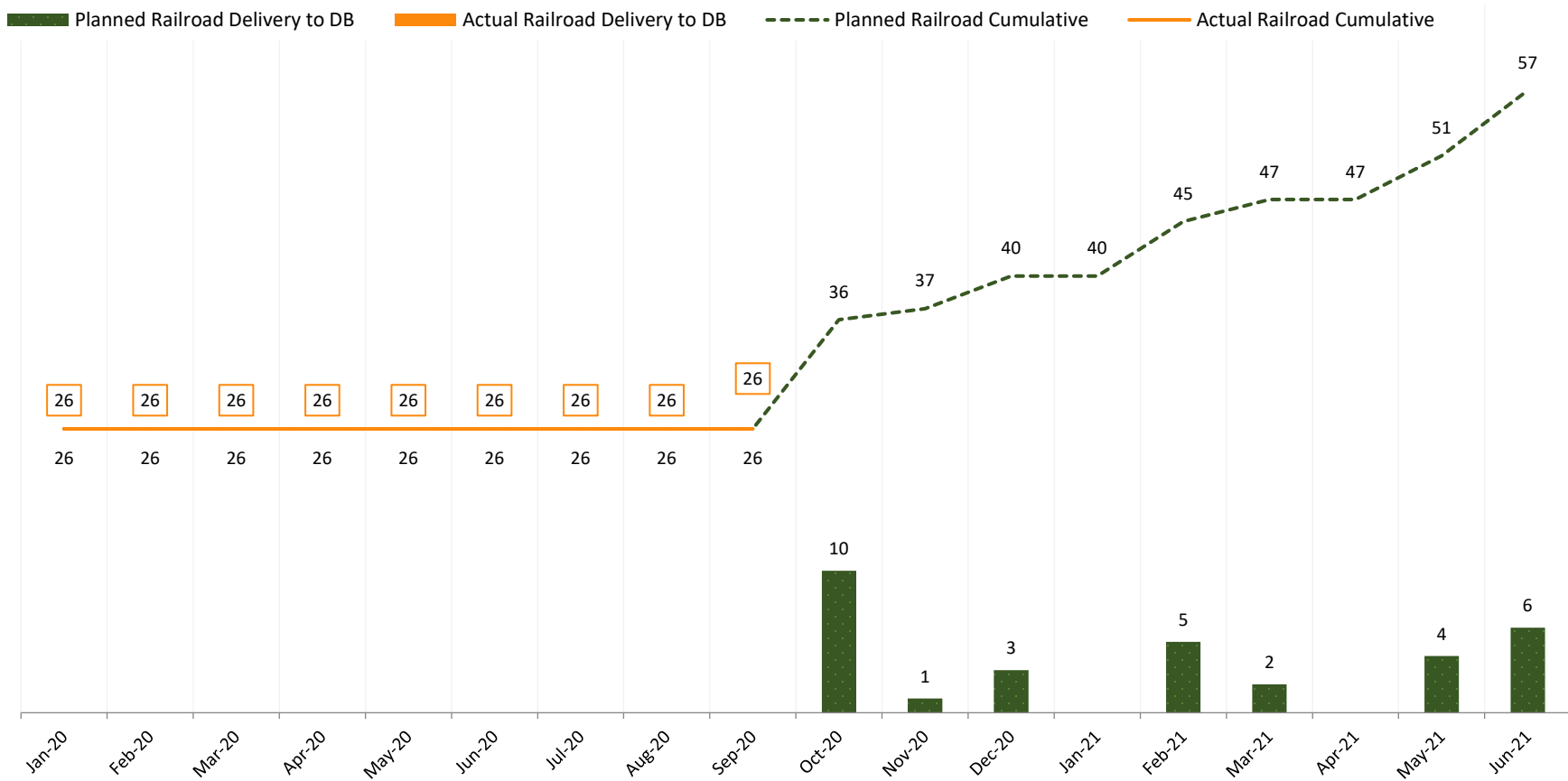
Notes:

1. This reflects the current Revised Baseline Schedules (RBSs) for CP 2-3.
2. Planned Delivered to DB parcels may be adjusted periodically based on continued refinement of the RBS.
3. Actual cumulative line for September 2020 reflects delivered parcels that are forecasted in future months.

CP 2-3 – ROW Railroad Summary

Construction Package	Total Needed Railroad Parcels September 30, 2020	Total Railroad Parcels Delivered to Date September 30, 2020	Remaining Railroad Parcels to be Delivered September 30, 2020
CP 2-3	57	26	31

CP 2-3 – Railroad Parcel Delivery to DB Summary



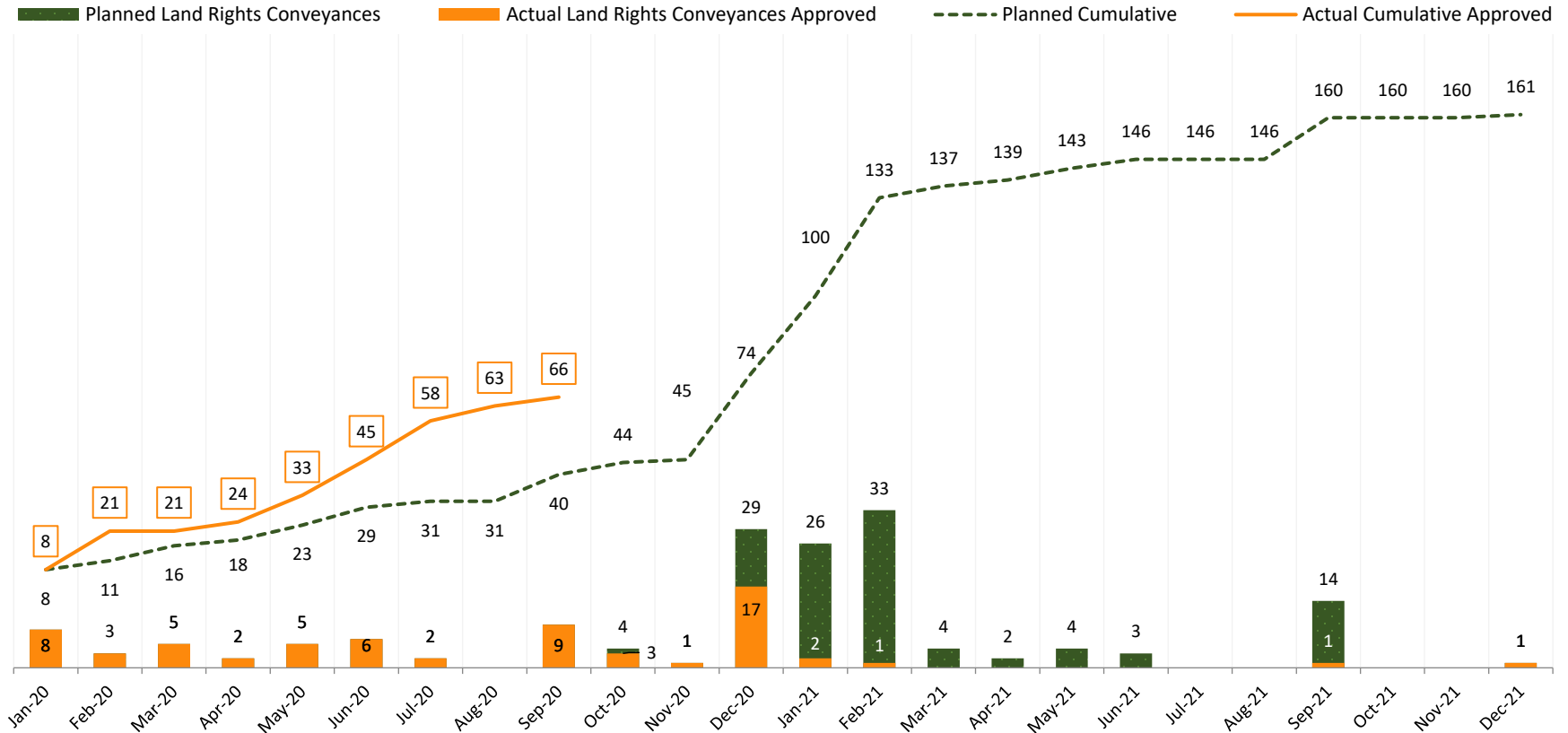
Notes:

1. This reflects the current Railroad Revised Baseline Schedules (RBSs) for CP 2-3.
2. Planned Delivered to DB parcels may be adjusted periodically based on 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 Right Conveyances September 30, 2020	Total Land Right Conveyances Approved ⁽⁵⁾ to Date September 30, 2020	Remaining Land Right Conveyances to be Approved September 30, 2020
CP 2-3	161	66	95

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



Notes:

1. This projection has been revised based on the Revised Baseline Schedules (RBSs).
2. The PG&E letter agreement (executed May 6, 2020) temporarily reclassified numerous critical land right conveyances as non-critical for construction and is reflected above.
3. Actual Cumulative for September 2020 includes completed land right conveyances that are forecasted in future months.
4. Planned land right conveyances were adjusted from last month's report due to continued refinement of the RBS.
5. The term "Approved" is defined as land right conveyances with Director of Real Property for signature, PG&E for signature, or recorded.

CONSTRUCTION PACKAGE 4 (CP 4) OVERVIEW

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 Forecast Substantial Completion Date⁽²⁾:	12/15/2021

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:	\$162,353,805.67
Current Contract Amount:	\$606,600,805.67
Approved Invoices to Date ⁽¹⁾ :	\$367,216,555.00
Remaining Contract Balance:	\$239,384,250.67

Contract Time Status

Description	Duration ⁽³⁾
Original Contract Days:	1,144
Extension of Time Awarded:	987
Current Forecast Contract Days:	2,131
Work Days Spent (thru 09/30/2020):	1,626

Expended to Date

Description	Percentage
Time:	76.3%
Dollars:	60.5%

Growth Percentage

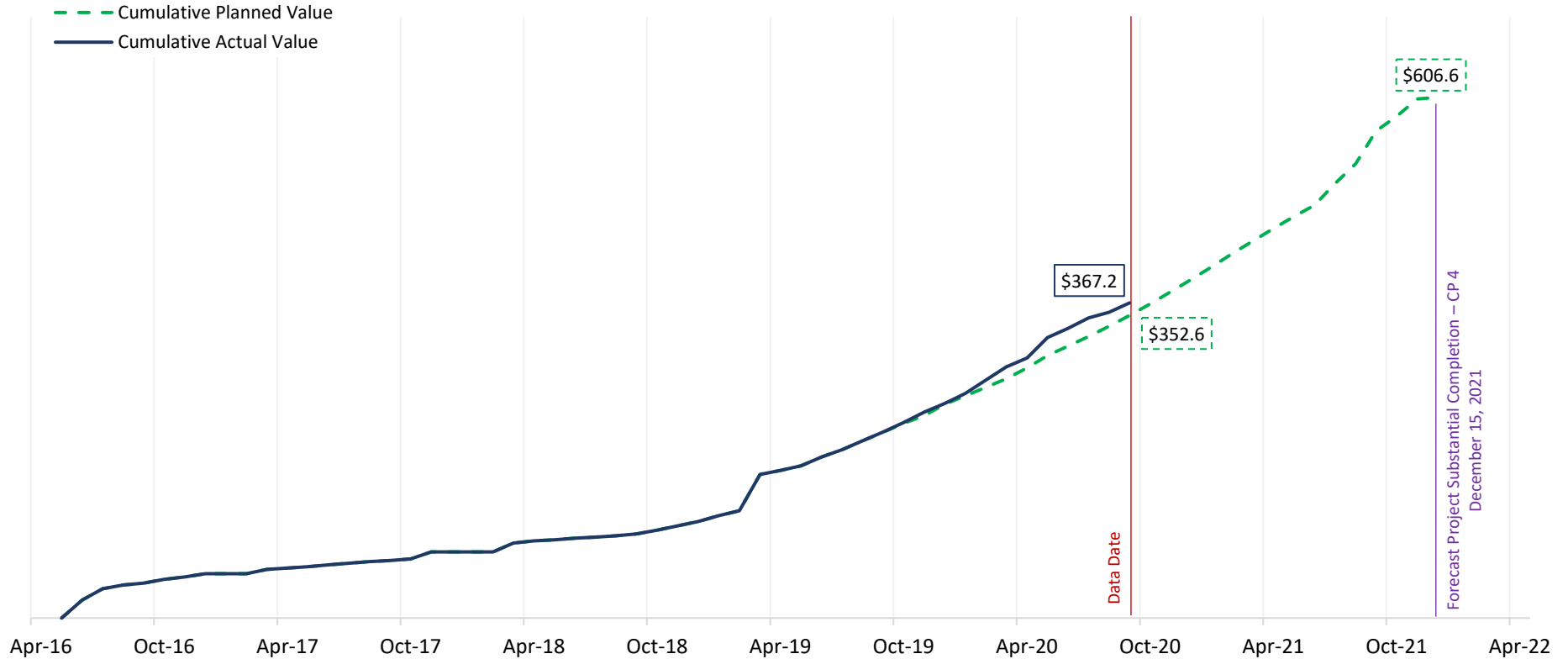
Description	Percentage
Time:	86.3%
Dollars:	36.5%

Notes:

1. Includes actuals through September 2020 and estimate for October 2020.
2. Current RBS Substantial Completion Forecast Date (Pending executed change order letter issuance) – December 15, 2021.
3. Calendar Days.

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

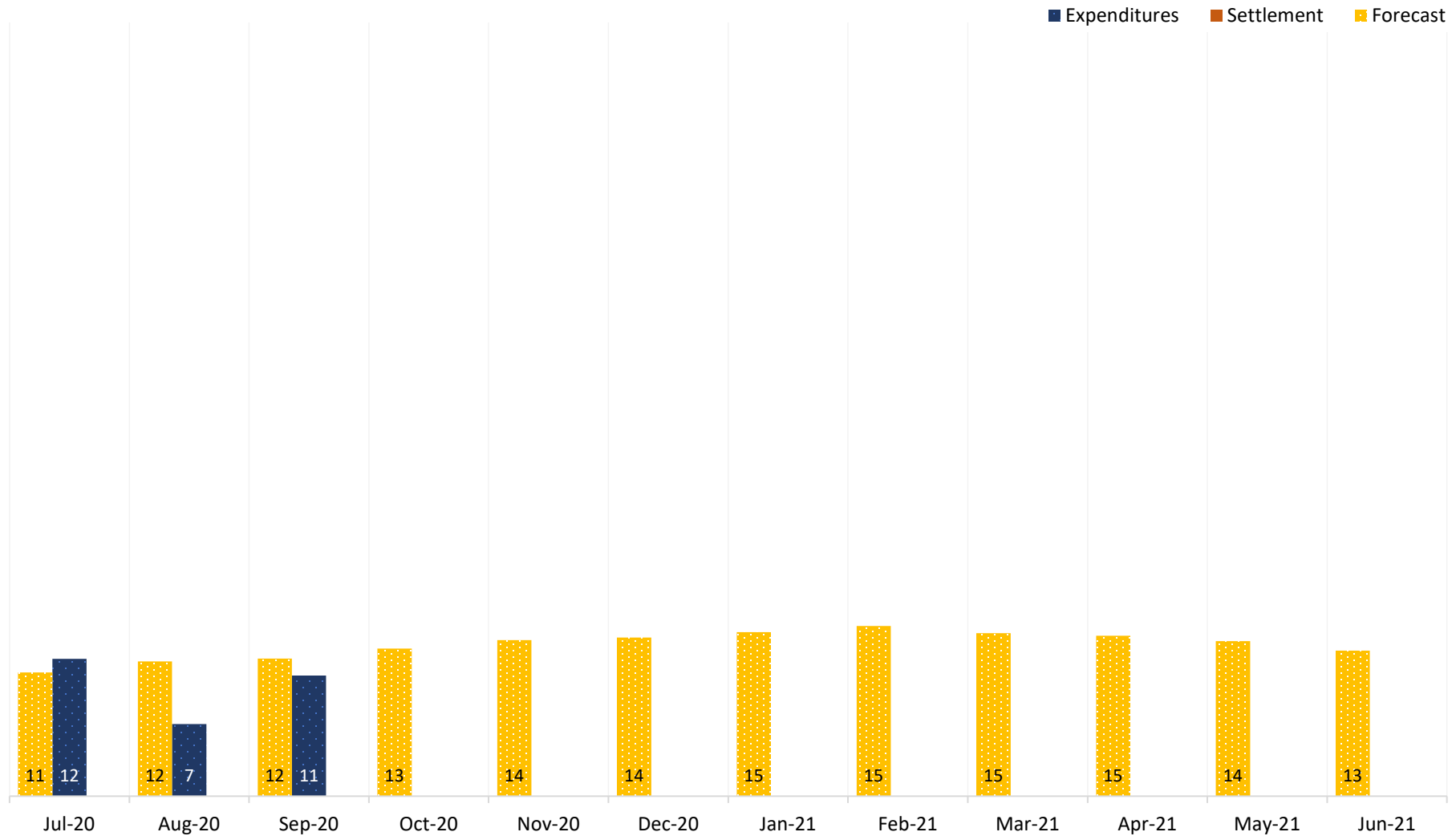
Milestone	Date
Environmental Clearance Complete	Nov-20 ⁽³⁾
Utility Relocation Complete	Mar-21

Notes:

1. The above contract value does not include unexecuted change orders including SR-46 BNSF structure.
2. Environmental Clearance on lands requiring utility relocations delayed from July 2020 to November 2020 pending issuance of ITP Amendment, per California Rail Builders (CRB).
3. The Planned Value and Contract Substantial Completion Date (December 2021) are based on the Authority's conditional acceptance of CP 4's Revised Baseline Schedule (RBS) as of July 2020. This is expected to be refined as future change orders are issued and finalized.

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 projections are being monitored against the conditional acceptance of CP 4's Revised Baseline Schedule (RBS) as of September 2020.
3. Additional design review and third-party requirements resulted in unanticipated delays in construction at State Route 46, Poso Avenue undercrossing, and Peterson Road overcrossing 2020.
4. Expenditures lower than forecasted due to delays in utility relocations.

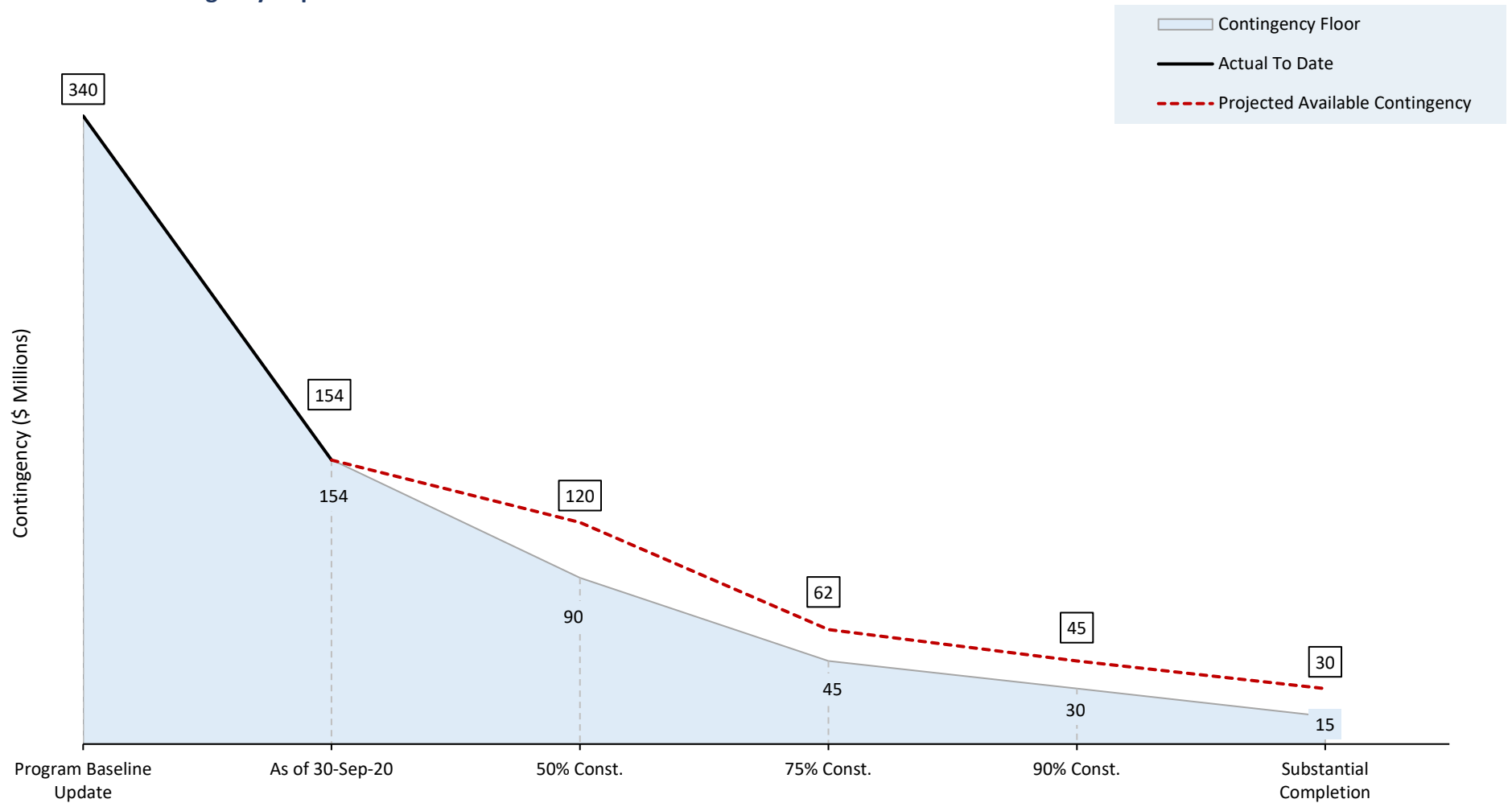
CP 4 – Executed Change Order Status

CP 4 – Executed Change Order Status

CO Number	Title	Change Status	Amount	Executed Date
0043R1	Land Owner Reimbursement	Executed	\$80,250.00	18-Sep-20
0080	Environmental Monitoring Additional Cost February to July 2020	Executed	\$2,414,634.88	25-Sep-20
0072	Frontier Unknown Utility Conflict	Executed	\$906,149.00	28-Sep-20
0018R5	CO 18 Additional Survey & Investigation	Executed	\$2,100,000.00	28-Sep-20
0077	Merced Abutment and Earthwork Resequencing	Executed	\$449,219.17	29-Sep-20
Total:			\$5,950,253.05	

CP 4 – Risk - Contingency Report

CP 4 – Risk - Contingency Report

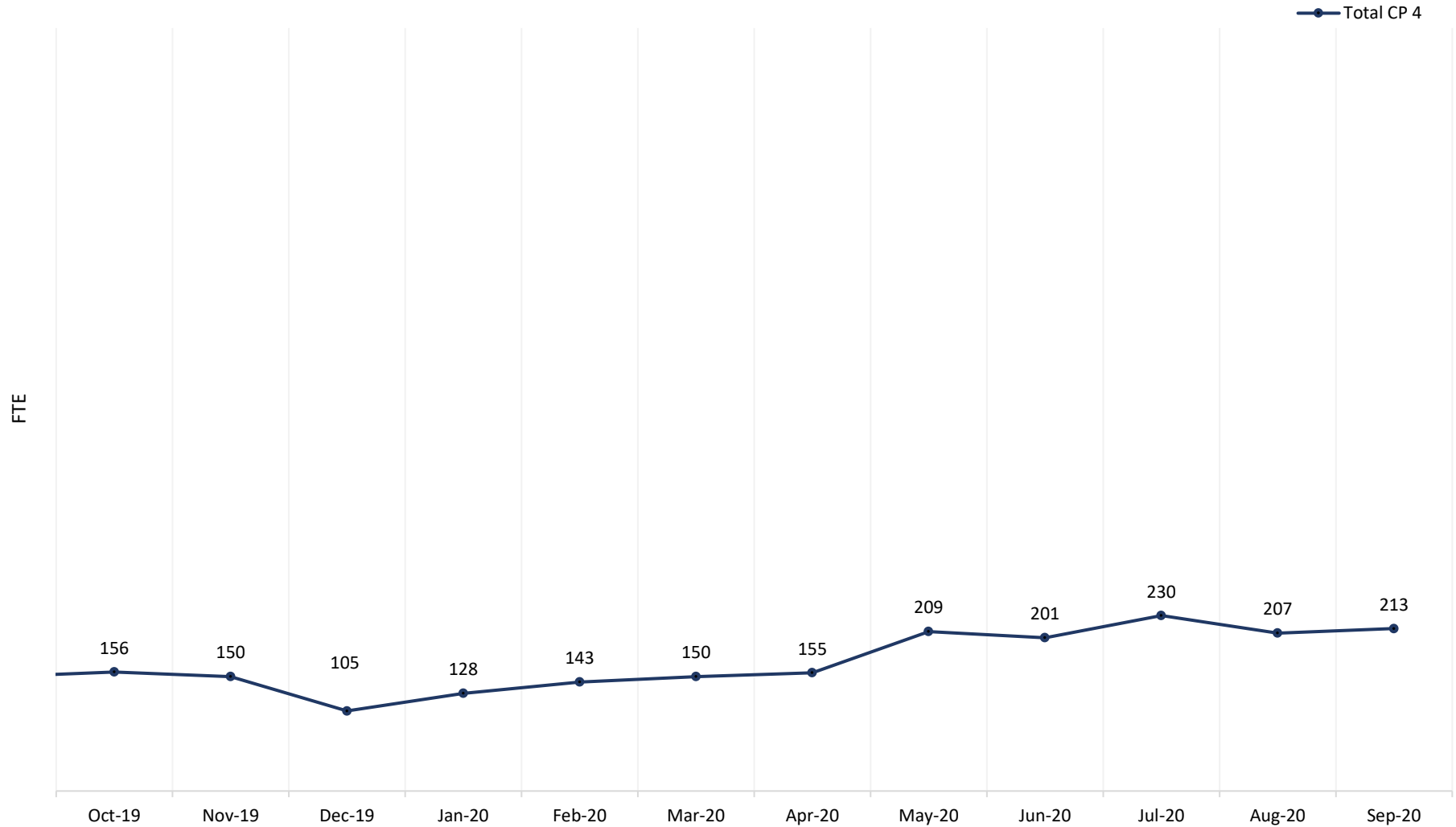


Notes:

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 September 30, 2020.
3. Remaining contingency balance reflects executed change orders only.

CP 4 – Monthly Construction Workforce Total

CP 4 – Monthly Construction Workforce Total – Actual

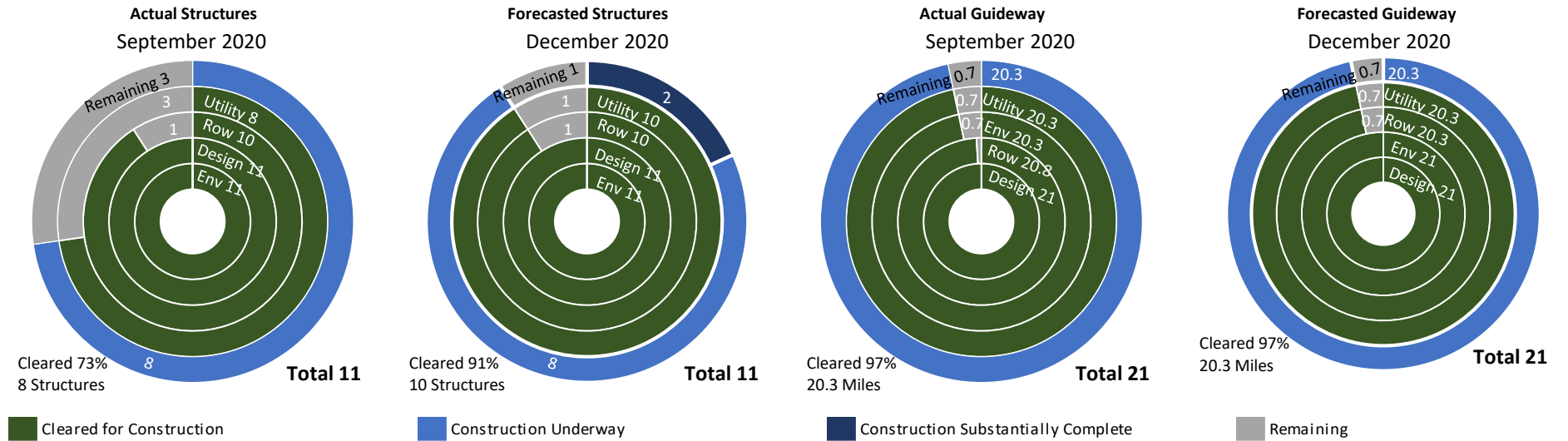


Notes:

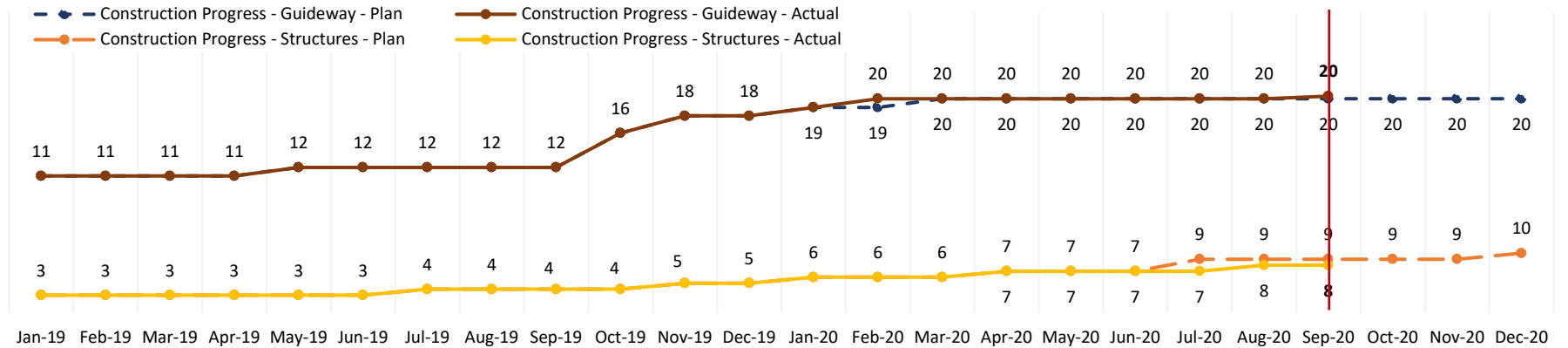
1. The Construction Labor numbers (Full-Time Employees) are based on the working calendar month.
2. The December 2019 reporting number shows a sharp decrease due to the holiday week of December 23rd through December 31st.
3. June 2020's total was overstated (225) and has been corrected to 201.
4. The data from October 2019 to April 2020 was previously presented with data from each month's final week. The data has been updated to represent more accurately the overall total on a per working calendar month average status.

CP 4 – Construction Progress

CP 4 – Construction Progress



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



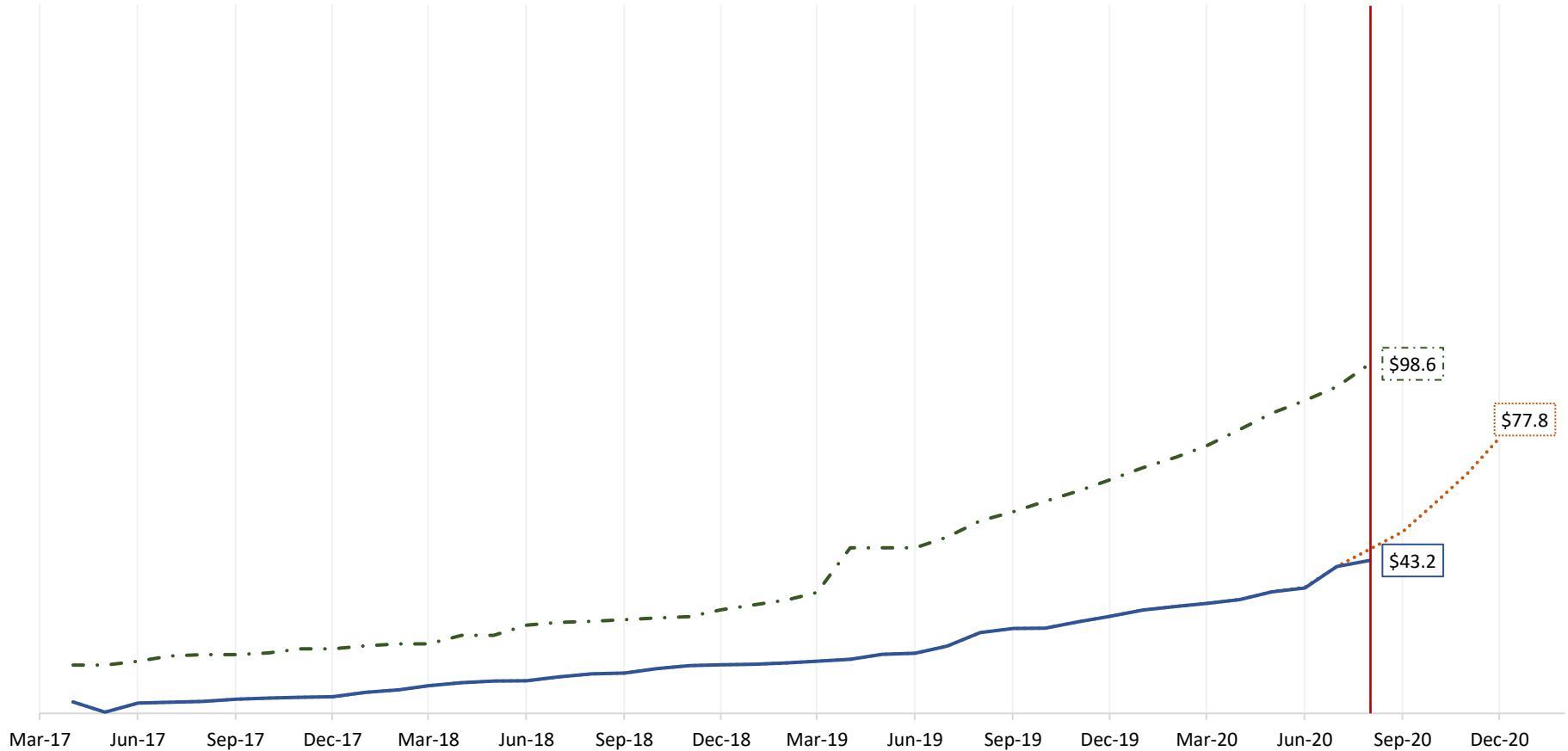
Notes:

1. 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. The Forecasted Structures and Guideway are based on the Authority's conditional acceptance of CP 4's Revised Baseline Schedule (RBS) as of September 2020.
5. SR-46 structure was delayed due to coordination with third parties and is expected to start October 12, 2020.

CP 4 – Small Business Enterprise

CRB CP-4 – Historical Progress Toward 30% SB Goal Based on Paid to Date Values (\$M)

..... Cumulative SBE Forecast — Cumulative SBE Actual - - - Current SBE Target



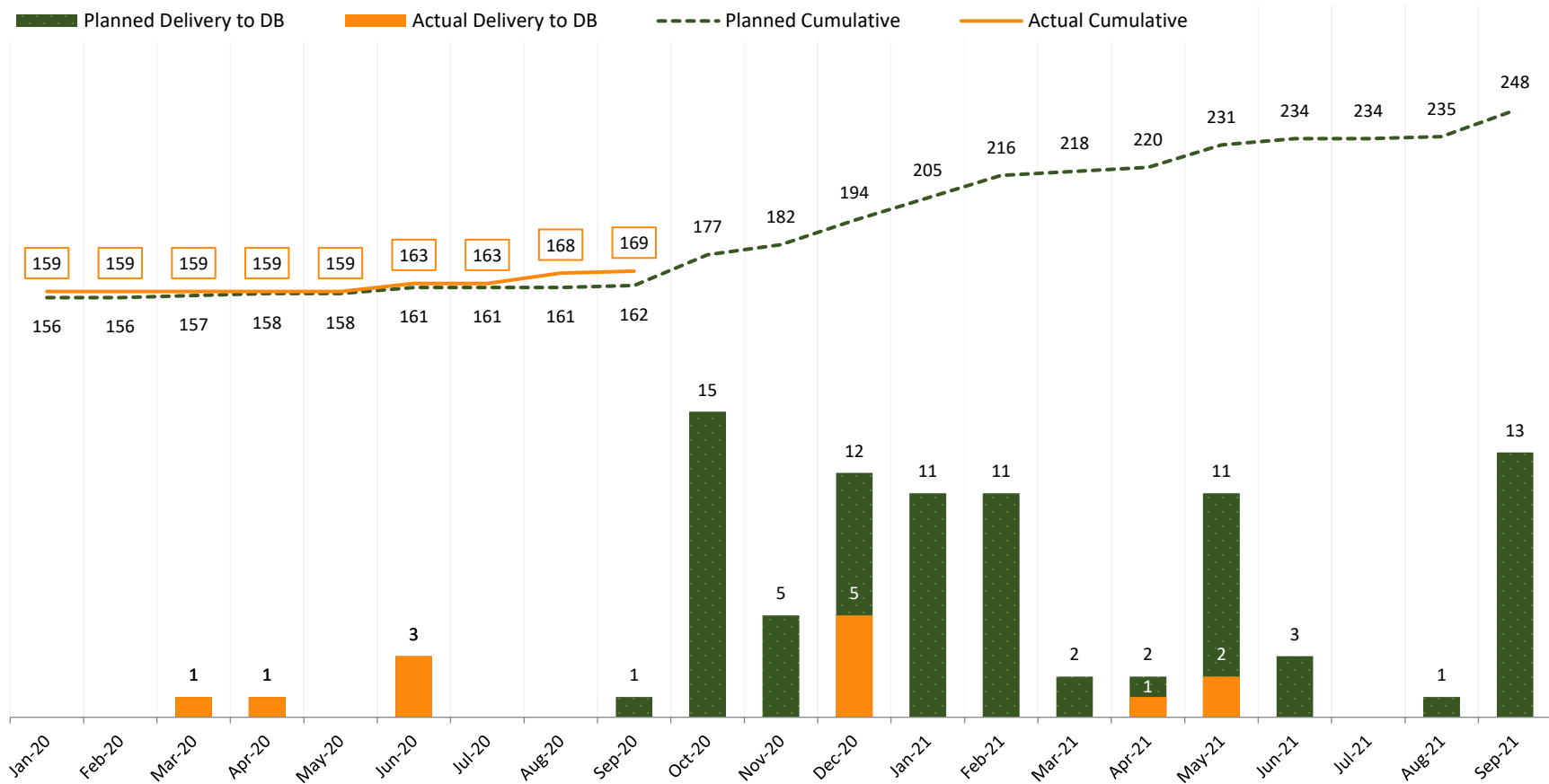
Notes:

1. Number of Small Business Enterprise Awarded Contracts: 89.
2. Value of overall Small Business Goal (30%): \$179.5M.
3. Value of Current Small Business Enterprise Awarded Contracts: \$77.6M (+\$202K from July 2020).
4. Value of Small Business expended: \$43.2M.
5. 30% Goal Value for Small Business expended: \$98.6M.
6. Small Business Enterprise Utilization percentage based on Contractor Invoices Paid to Date: 13%.
7. Small Business Enterprise Utilization towards Value of overall Small Business Goal: 24%.
8. Due to processing and confirmation of Contractor submitted data, Small Business Enterprise Values are as of August 2020.

CP 4 – ROW Summary

Construction Package	Total Needed Parcels September 30, 2020	Total Parcels Delivered to Date September 30, 2020	Remaining Parcels to be Delivered September 30, 2020
CP 4	248	169	79

CP 4 – Parcel Delivery to DB Summary



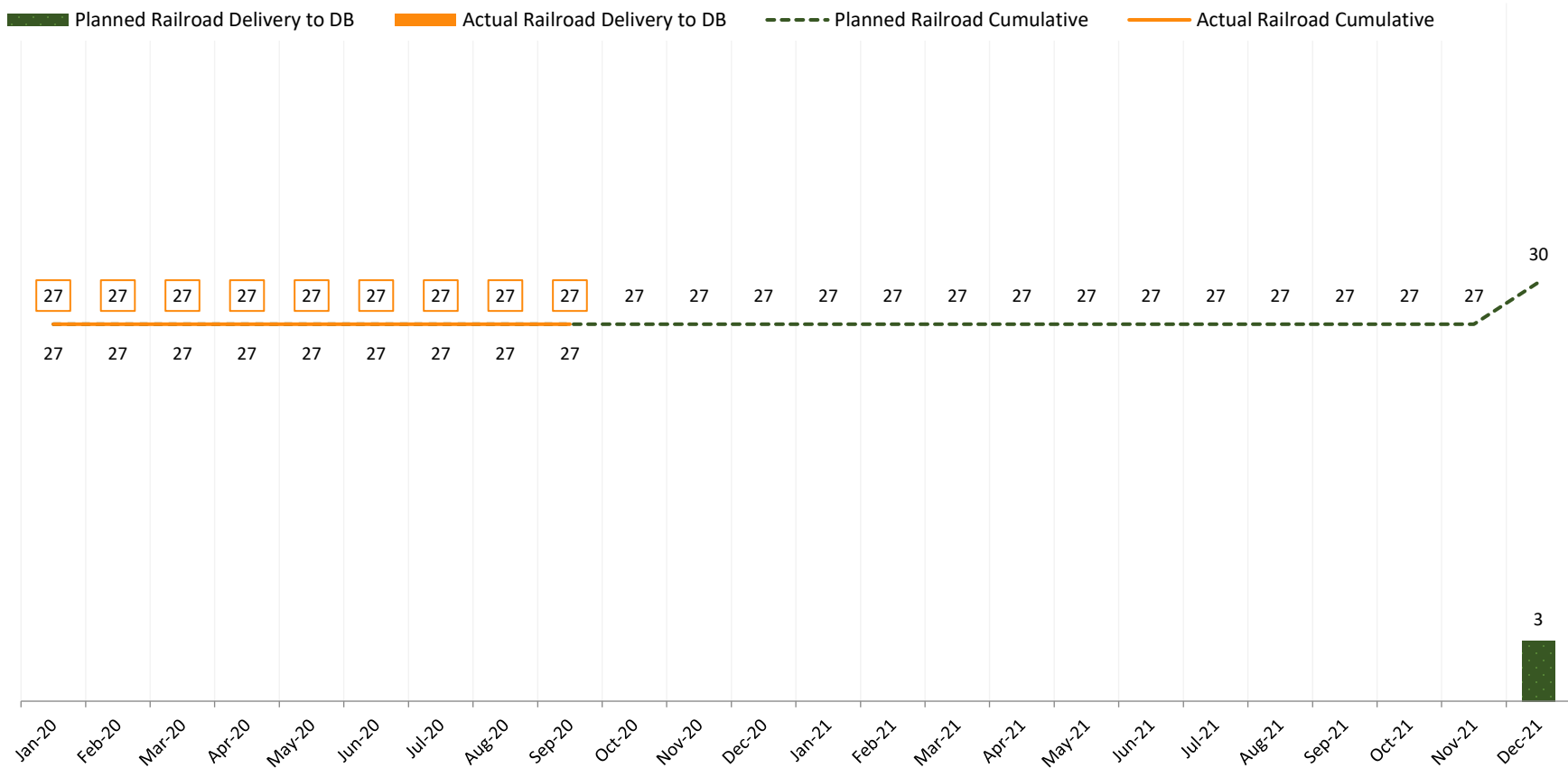
Notes:

1. This reflects the current Revised Baseline Schedules (RBSs) for CP 4.
2. Planned Delivered to DB parcels may be adjusted periodically base on continued refinement of the RBS.
3. Actual cumulative line for September 2020 reflects delivered parcels that are forecasted in future months.
4. Right-of-Way agreement was executed in early October for remaining September parcel and is projected to be delivered to the DB in late October.

CP 4 – ROW Railroad Summary

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

CP 4 – Railroad Parcel Delivery to DB Summary



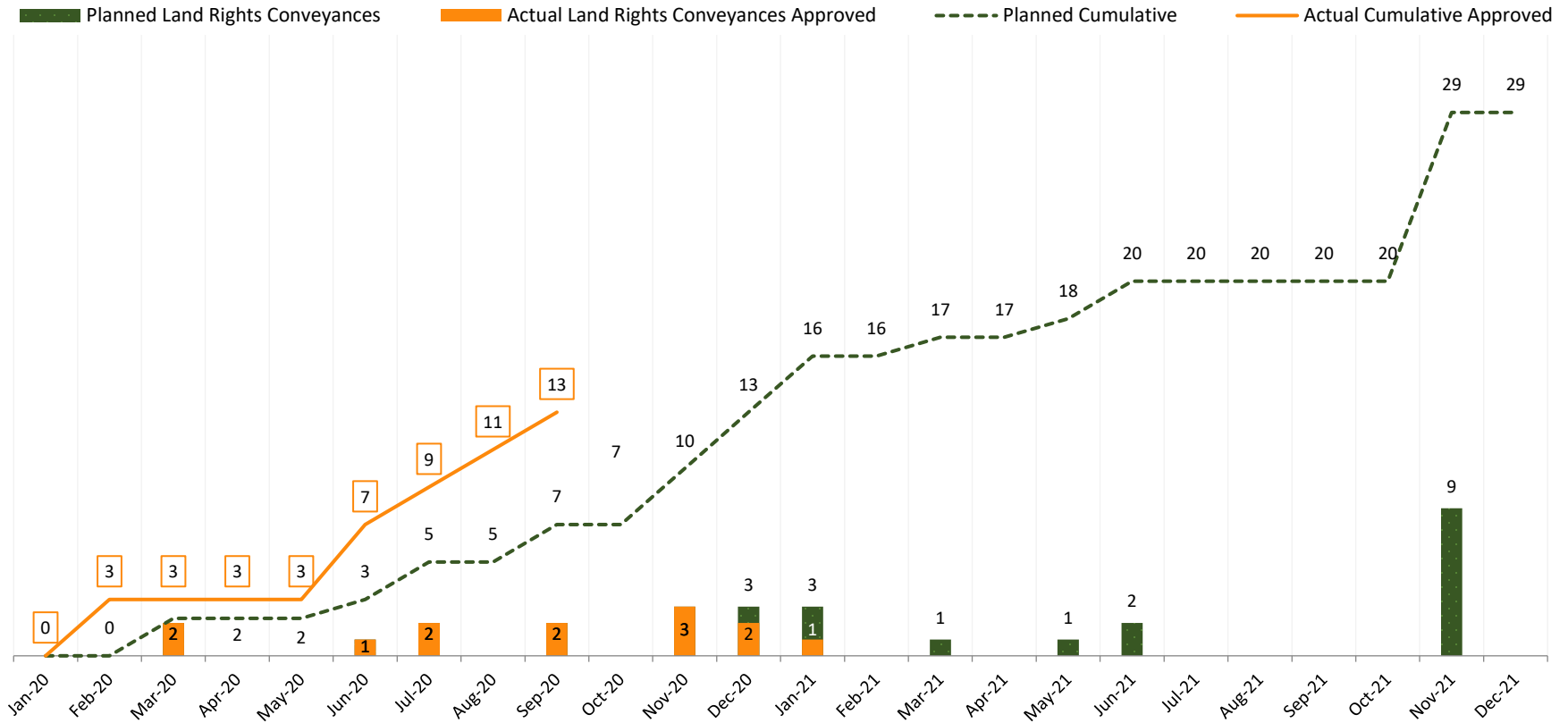
Notes:

1. This reflects the current Railroad Revised Baseline Schedules (RBSs) for CP 4.
2. Planned Delivered to DB parcels may be adjusted periodically based on 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 Right Conveyances September 30, 2020	Total Land Right Conveyances Approved ⁽⁵⁾ to Date September 30, 2020	Remaining Land Right Conveyances to be Approved September 30, 2020
CP 4	29	13	16

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



Notes:

1. This projection has been revised based on the Revised Baseline Schedules (RBSs).
2. The PG&E letter agreement (executed May 6, 2020) temporarily reclassified numerous critical land right conveyances as non-critical for construction and is reflected above.
3. Actual Cumulative for September 2020 includes completed land right conveyances that are forecasted in future months.
4. Planned land right conveyances were adjusted from last month's report due to continued refinement of the RBS.
5. The term "Approved" is defined as land right conveyances with Director of Real Property for signature, PG&E for signature, or recorded.

Project Development Schedule – Record of Decision (ROD)

Project Development Schedule (to ROD)

Program Priority	Segment	Progress	Complete Purpose & 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	
			Number	Section	Due Dates	Last Month	Current	Last Month	Current	Last Month	Current	Last Month	Current	Last Month
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%	Complete Complete 100%	Complete Complete 100%	Jun-21 Sep-21 5%	Jun-21 Sep-21 ⁽¹⁾ 10%	Sep-21	Sep-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 Aug-21 10%	Apr-21 Sep-21 ⁽²⁾ 13%	Aug-21	Sep-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 98%	Complete Complete 100%	Sep-20	Complete Complete 100%
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 Jun-21 82%	Nov-20 Aug-21 84%	Dec-21 Jul-22 0%	Dec-21 Sep-22 ⁽³⁾ 0%	Jul-22	Sep-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 Aug-21 5%	Jan-21 Aug-21 ⁽⁴⁾ 10%	Aug-21	Aug-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 Jun-21 72%	Feb-20 Jun-21 74%	Aug-21 May-22 0%	Aug-21 May-22 ⁽⁵⁾ 0%	May-22	May-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 14%	Feb-21 Apr-21 ⁽⁶⁾ 16%	Apr-21	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:**
- Three-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, and program-wide resolution of Cooperating Agency review constraint. ROD date revised to reflect date Board approves project.
 - Five-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, receipt of substantial comments on Draft EIR/EIS in excess of baseline assumptions, integrating public comments and responses to comments on the Draft Supplemental EIR/EIS, and program-wide resolution of Cooperating Agency review constraint.
 - Nine-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.
 - Seven-month delay due to extension of the Draft EIR/EIS public comment period from July 16 to August 31, late submittal of cooperating agency comments, and time to address 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). Nine-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. (Mitigations for minimizing delays are being evaluated.)
 - Two-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 September 2020, the Authority conducted Environmental Impact Report (EIR)/Environmental Impact Statement (EIS) document reviews for several project sections. San Francisco to San José Project Section Draft EIR/EIS public comment period closed September 9. ES and NAT are conducting rolling reviews of draft responses to 2,375 individual comments received in 777 submittals on the San José to Merced Draft EIR/EIS. CVY Board presentation September 10, NOD filed September 11, and ROD signed and published September 16. The comment period for the Burbank to Los Angeles Draft EIR/EIS closed August 31, 2020. The Los Angeles to Anaheim revised scoping period began on August 25 and ended September 24. Permitting for the Central Valley Wye and the Locally Generated Alternative will progress following Board action on the Merced and Bakersfield extensions.

Project Development – Key Actions Summary

Project Section	Key Actions
San Francisco to San Jose	<ul style="list-style-type: none"> • Draft EIR/EIS public circulation period closed September 9, 2020. • Delimited 152 total comment submissions into 2125 comments. • Completed feasibility study of Millbrae Reduced Site Plan with presentation to CEO September 25. CEO decision for advancement expected in October.
San José to Merced	<ul style="list-style-type: none"> • Continued preparing individualized responses to 2,375 separate comments received on the Draft EIR/EIS. 27 standard responses submitted to ES and NAT for review, with Legal review follow. • EEC preparing initial draft guidance on bird-safe OCS design refinements to avoid strike or electrification of California condor, Golden eagle, or Sandhill crane (CA fully protected species), identification of occupied alignment extents in J-M and other project sections, and ROM estimate of potential capital cost increases for project team and Environmental Permitting review, before submitting draft for review and approval by Environmental Services, Rail Operations, Program Engineering, and Legal Services. • EEC preparing a Draft Supplemental EIR/EIS for new special-status specie listings. Expediting delivery to minimize NOD/ROD delay and minimize budget impacts.
Central Valley Wye	<ul style="list-style-type: none"> • CVY Final SEIR/EIS presented to Board September 10. Board approved SR-152 (North)/Road 11 as the CVY preferred alternative. The NOD was filed on September 11, ROD was signed and published on September 16. CVY ROD/NOD process completed. • Executed letter of understanding with CESD September 9. The final agreement is being prepared by Legal. • Follow-up meeting for discussion with Madera County held September 2 and September 24. Differences in the community facility size and usage are focuses of discussion. • Advanced draft agreements with the City of Chowchilla on mitigation measures for the Fairmead community. Follow-up meeting with City of Chowchilla held September 8 and September 24 Differences in the sewage system capacity as well as O&M responsibility are focuses of discussion. • Advanced draft MOU with the Fairmead Community and Friends (FCF) on mitigation measures for the Fairmead community. Follow-up meeting with FCF held September 2 and September 23. • Permitting for the Central Valley Wye will progress following Board action on the Merced and Bakersfield extensions.
Locally Generated Alternative	<ul style="list-style-type: none"> • The Combined Supplemental Record of Decision and Final Supplemental Environmental Impact Statement was completed on October 31, 2019. • Permitting for the Locally Generated Alternative will progress following Board action on the Merced and Bakersfield extensions.
Bakersfield to Palmdale	<ul style="list-style-type: none"> • Received comments from Legal/NAT/ES on Admin Final EIR/EIS and held five workshops to discuss and resolve outstanding issues. Continued to advance Section 106, Section 7, Section 106, and other permitting activities related to ROD. Cooperating Agency review is expected in November 2020.
Palmdale to Burbank	<ul style="list-style-type: none"> • The Una Lake Avoidance Alternatives have been incorporated into the footprint and environmental analysis. Review of the draft PEPD will be completed in early October. Public outreach about the new Preferred Alternative will be conducted in October. • Checkpoint B was submitted to USACE and EPA on July 31 and a revised Checkpoint B will be submitted in October 2020. Cooperating Agency review is expected in December 2020.

Burbank to Los Angeles	<ul style="list-style-type: none"> • The comment period for the Burbank to Los Angeles Draft EIR/EIS was extended by 46 days and closed on August 31, 2020. • The team has completed delimiting comments received on the Draft EIR/EIS. The total number of comments is 1,878 from 279 submittals. The team is preparing comment responses in coordination with ES, Legal, and NAT.
Los Angeles to Anaheim	<ul style="list-style-type: none"> • Continued work to incorporate BNSF facilities east of Fullerton into the LA-A environmental document. • Revised NOI/NOP to add the Colton and Lenwood project components was released on August 25, and the public comment period for revised scoping closed on September 24. • A telephone town hall meeting for the revised scoping period was held on September 3, a virtual agency scoping meeting was held on September 9, and two virtual public scoping meetings were held on September 10 and 12.