



California High-Speed Rail: Operations Report

**FY14-15, FY15-16, FY16-17, FY17-18, FY18-19 and Program
Metrics**

June 2019

Agenda

▶ Operations Report Metrics

- Executive Summary
- Right-of-Way (ROW)
- Project Development
- Third Party Agreements
- Contract Management
- Finance/Budget
- ARRA State Match Schedule
- Risk

Executive Summary

ROW Acquisition

- ▶ Remaining Parcels by Construction Package: CP 1, CP 2-3, and CP 4 acquisition forecasts and delivery is challenged by railroad parcel approvals, condemnation process and timing and complexity of relocations, phase in the acquisition process (OP hearing/settlement, DGS contract approval, or certification for delivery). In addition to the foregoing, in the case of CP 4, the forecast is also impacted by DB's compliance with environmental permitting.
- ▶ The current report presents ROW acquisition progress relative to CPI thru CP4 through April 30, 2019. As of that date, the Authority has secured legal possession of 1,514 parcels with 1,496 delivered to the Design-Builders (DB). The total number of parcels acquired (legally possessed) by the Authority was 24 parcels. Of the total number of parcels legally acquired, six parcels delivered were delivered to the DB during the month of April. Three parcels were delivered for CP 1, two parcels delivered for CP 2-3, and one parcel delivered for CP 4. Eighteen parcels have been acquired pending vacancy or certification to the DB. The total percent of cumulative parcels delivered to the DB remained at 82%. From last month, total parcels needed for the project increased by 11 parcels. From last month's total remaining parcels, the total remaining parcels for April 30, 2019 has been reduced by 2 parcels. The total parcels and percentage delivered to date are as follows:

| Section | # of Parcels | Acquired By HSR Pending Delivery to DB | Delivered to DB | % Delivered to DB | Remaining Parcels | Remaining Parcels on DB Hold | Remaining DB Identified Critical Parcels | Remaining Railroad Parcels |
|--------------|--------------|--|-----------------|-------------------|-------------------|------------------------------|--|----------------------------|
| CP 1 | 881 | 1 | 818 | 93% | 62 | 3 | 7 | 49 |
| CP 2-3 | 752 | 16 | 514 | 68% | 222 | 105 | 8 | 42 |
| CP 4A | 194 | 1 | 164 | 85% | 29 | 7 | 8 | 8 |
| Total | 1827 | 18 | 1496 | 82% | 313 | 115 | 23 | 99 |

Executive Summary

ROW Acquisition

- ▶ Railroad Parcels: Acquisition of ROW for Railroad parcels is contingent upon the completion of 100% design by the DB and approval by the railroads before the Authority can commence the acquisition process. The total number of remaining railroad parcels is 99, which is unchanged from the previous month.
- ▶ CP 1 Summary: In CP 1, 3 parcels were delivered in April. There are 7 DB Critical parcels remaining. Four of the remaining DB Critical parcels are either public agency parcels or railroad parcels, The other three parcels are private parcels where one parcel requires a long-lead time for relocation and two are heading toward condemnation.
- ▶ CP 2-3 Summary: In CP 2-3, 2 parcels were delivered in April. The eight DB Critical parcels remaining are proceeding toward condemnation.
- ▶ CP 4 Summary: In CP 4, 1 parcel was delivered in April. Seven of the remaining 8 DB Critical parcels are either public agency parcels or railroad parcels, and the other parcel is a private parcel pending an updated appraisal.
- ▶ DB Design Hold Parcels: The DB Hold category is representative of parcels for which acquisition activities cannot commence or continue due either to a design refinement or the DB having not submitted a Certificate of Sufficiency (COS) confirming that the mapping produced for the DB by the Authority (contractual requirement) is sufficient for the DB to construct the project. The total number of parcels on DB Design Hold has increased from 104 to 115 parcels.
- ▶ Legal Possession: In April, the Authority legally acquired (possessed) 18 parcels, pending vacancy, certification to DB and cost to cure obligations. Upon vacancy, Real Property branch will certify the parcels to the Authority's Infrastructure Delivery branch for delivery to the DB team.

Executive Summary

Project Development – Key Issues

- ▶ For the San Francisco to San Jose Project Section, continue review of selected chapters and technical reports of the administrative draft Environmental Impact Report/Environmental Impact Statement (EIR/EIS).
- ▶ For the San Francisco to San Jose Project Section, coordinate with Engineering & Environmental Consultant (EEC) to obtain submittal of record set Preliminary Engineering for Project Definition (PEPD) plans in May.
- ▶ For the San Francisco to San Jose Project Section, continue coordination with Bay Conservation and Development Commission (BCDC) regarding Visitacion Creek permitting.
- ▶ For the San Jose to Merced Project Section, conducted footprint validation workshop for Alternative 4.
- ▶ For the San Jose to Merced Project Section, prepared and submitted initial draft of compiled administrative draft EIR/EIS for scheduled May 8, 2019 submittal.
- ▶ For the Central Valley Wye Project Section, completed activities to publish and circulate the Central Valley Wye Draft Supplemental EIR/EIS under a CEQA-first process with an EIR clarification and errata for a 48-day review and comment period. Community open houses are scheduled for May 15, 2019 with a public hearing on June 5, 2019.
- ▶ For the Fresno to Bakersfield (LGA) Project Section, initiated federal cooperating agency review of the draft Final Supplemental EIS.
- ▶ For Bakersfield to Palmdale Project Section, progress consultation with the Cesar Chavez National Monument (CCNM) and other consulting parties to finalize alignment options.
- ▶ For Bakersfield to Palmdale Project Section, began cooperating agency review of administrative draft EIR/EIS on April 25.
- ▶ For the Palmdale to Burbank project section, continue coordination with USACE and USEPA on Checkpoint B (for approvals and permits).
- ▶ For the Palmdale to Burbank project section, prepare administrative draft EIR/EIS for Legal and CEQA/NEPA adequacy review in May 2019.
- ▶ For Burbank to Los Angeles project section, continue internal reviews of the administrative draft EIR/EIS prior to public circulation.
- ▶ For Los Angeles to Anaheim project section, continue coordination with BNSF on project elements.
- ▶ Continued to coordinate with Legal to produce consistent text in all EIRs/EISs and provide direction to Strategic Delivery and regional consultants, thereby producing cost and schedule savings and strengthening the documents.

Executive Summary

Third Party Agreement Execution

- ▶ The current report presents agreement execution progress relative to the Central Valley, North, South, and Valley to Valley through April 30, 2019.
- ▶ All Provisional Sum work has been released for CP 1, CP 2-3 and CP 4 Design.
- ▶ 15 of the 19 AT&T design packages have been approved are in construction in CP 1.
 - Stanislaus and Sprint Diversity packages are at 90%
 - Road 26 and Avenue 17 are still in the conceptual stage which is the reason we have them at 30%. These designs will not progress until there is an executed change order.
- ▶ Provisional Sum work is progressing as planned for CP 2-3 and CP 4.
- ▶ The team is continuously assessing lessons learned from all CPs for improvements in current construction, as well as improved management practices for future construction.

Executive Summary

Contract Management

- ▶ **CPI** - The project consumed approximately 94.3% of the approved contract duration through to the end of April 2019; about 60.2% of the current contract value has been earned during that time. In addition, work performed were as follows; continued grading at irrigation and wildlife crossing box culvert; Guideway 1 wing walls construction; Avenue 12 start backfill at east abutment; Road 27 formworks, concrete pouring, and strip girder closures; San Joaquin River Viaduct (SJRJV) ongoing work at span barrier rail and anti-graffiti coating; Avenue 15 ongoing work at retaining wall footings; Avenue 11 final walkthrough and punch list; Avenue 8 final grade and installation of aggregate base rock; and Downtown Fresno Viaduct falsework girders leading up to SR99. TPZP and the PCM are working together to prioritize all UPRR submittals such as utility crossing applications and work plans. The Authority is working with TPZP to conclude a Revised Baseline Schedule.
- ▶ **CP 2-3** - Based on the revised contract completion date of May 22, 2020, the project consumed approximately 78.0% of the contract time through the end of April 2019; about 44.8% of the current contract amount has been earned during that time; the design is forecast to be substantially completed by December 31, 2019; nine (9) of 13 Caltrans-impacted locations have SPR/concept approval; there are five (5) structures with design issues pushing that date (Nebraska Ave - access for DFJV Geotech rigs, Dutch John Cut - access for DFJV Geotech rigs, Caltrans Curve Bridge – Caltrans, Cross Creek – CDFW, and Deer Creek – CDFW); construction work underway includes demolition, earthwork, and utility relocations; HSR embankment from Houston to Lansing delayed due to weather; continuing structure works on Kent and Kansas Ave.; abutment works in Excelsior Ave overcrossing; AT&T and Frontier relocations are underway at fifteen (15) locations; DFJV precast plant has satisfactorily completed casting girders for eleven (11) bridges; There are nine critical PG&E relocation sites and PG&E has approved the design for these nine locations. The project team is arranging an inspection/walkthrough with PG&E for these sites to allow the contractor to commence works. DFJV is expected to mobilize in early May 2019 to start work.
- ▶ **CP 4** – The project consumed approximately 58.3% of the contract time through the end of April 2019; about 36.0% of the current contract amount has been earned during that time; the Authority and the Contractor executed a change order (CO-00032) that represented a settlement agreement regarding project delay through the period of January 31, 2019. The settlement also included the resolution of specified disputed change orders. The agreement increased the contract value by \$40.5M and an extended completion milestones by 25 months. The Contractor is currently developing a revised baseline schedule consistent with the contract provisions. Beyond the settlement are a number of the identified issues which include significant potential cost impacts, such as the potential additional scope of work at SR-46, and the IPB requirement changes based on Authority directives.
- ▶ **SR-99 Realignment** - The project consumed 84.1% of the contract time as of the end of April 2019 and 93.4% of the current contract amount has been spent during that time. The construction work completed on 4/8/2019 and is open to the public.

Executive Summary

Finance/Budget

- ▶ FY2018-19 Capital Outlay expenditures totaled \$104.2M for April 2019, a \$10.9M increase compared to \$93.3M for March 2019. The increase is primarily attributed to an increase in CP4 Design-Build expenditures.
- ▶ Total Program and FY2018-19 budget supports activities reflected within the 2018 Business Plan and is based on a prioritization of executed contracts necessary for Central Valley development and construction, Silicon Valley to Central Valley segment planning, and Bookend Corridor project construction. In addition, the FY2018-19 budget prioritizes work related to completing the scope within the ARRA and FY10 grants.
- ▶ The FY2018-19 Capital Outlay budget remains \$1.787B.
- ▶ The FY2018-19 Forecast increased by \$4M (from \$1.102B to \$1.106B). Forecasts are reviewed throughout the fiscal year and are updated quarterly or as needed once they are approved by Program Delivery.
- ▶ The Total Program budget remains \$13.659B.
- ▶ As a result of the Authority's focus on State Match to ARRA Grant funds, information on State Match expenditures are now in the ARRA State Match Schedule section.

Agenda

- ▶ Operations Report Metrics
 - Executive Summary
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 - Project Development
 - Third Party Agreements
 - Contract Management
 - Finance/Budget
 - ARRA State Match Schedule
 - Risk

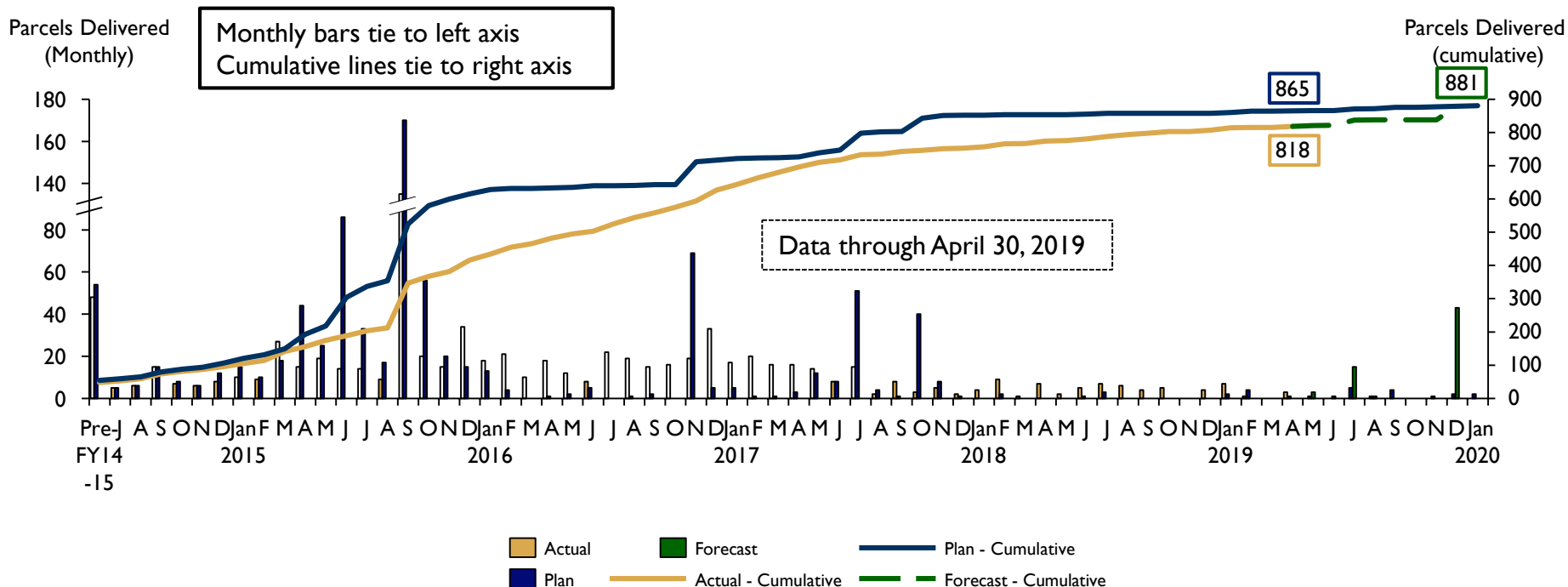
ROW Metrics - Context

- ▶ For the purposes of this summary, “DB Critical Parcels” are parcels which have been identified by the DB as having precedence over any other DB acquisition request but have not been verified by the Authority. “DB Design Hold” are parcels which have been placed on a temporary hold by the DB either due to design refinements, environmental reviews, etc. Parcels which have been placed on “hold” by the DB are deemed inactive until the DB releases the hold. In accordance with the DB contract, a “Critical Path” parcel is a parcel identified by the DB and approved by the Authority based on a resource loaded schedule. No parcel has been identified by the DB as “Critical Path”.
- ▶ The following slides track parcels delivered to *design-builder (DB)*, which is the last step of the ROW process
 - Four metrics related to “delivered to DB” are tracked:
 - Plan: For CP 1, the negotiated schedule of parcel delivery as of December 2014 plus additional public parcels and design changes; for CP 2-3 and CP 4, a rebaselining has been implemented to reflect “contractual delivery dates” for each parcel resulting from design changes. The 2014 Acquisition Plan has been revised considerably and is no longer a relevant data point to be used to assess the ROW delivery due to the repeated design refinements introduced by the DB which require the ROW acquisition process to be recommenced and unnecessarily prolonged. This “Plan” has been modified by the Authority in consultation with the construction and DB teams, to re-prioritize the acquisition need and align it with the “Get to Construction” plan.
 - Actual: Actual parcels delivered each month.
 - Early Forecast: Refined every month based on future expected delivery.
 - Alternative Forecast (CP 1 only): Forecast that anticipates additional delays for elements outside the control of the Authority, and reflects rates more in line with historic delivery. Forecast is locked as of September 2015, except when new parcels are added due to design changes.
- ▶ Forecasts are based on inputs from the ROW Consultants and the Authority, in consultation with the Infrastructure and DB team, based on agreed task orders. For all three CPs, the multiple impacts to existing parcels after the design is finalized by the DB continues to strain the ROW process and taxes existing resources. To abate this unnecessary delay, the Authority have implemented a process improvement requiring all additional requests for ROW (either increases or decreases) to be presented, reviewed and approved by the Business Oversight Committee prior to implementation.
- ▶ For ROW expenditure analysis, this report presents 1) Actual expenditures: reported each month and 2) Forecast: adjusted quarterly based on the Funding Contribution Plan.

ROW – CP 1 Parcels Delivered to DB by Month

Plan vs. Actual vs. Forecast

CPI - Delivered to DB (number of parcels)



Notes:

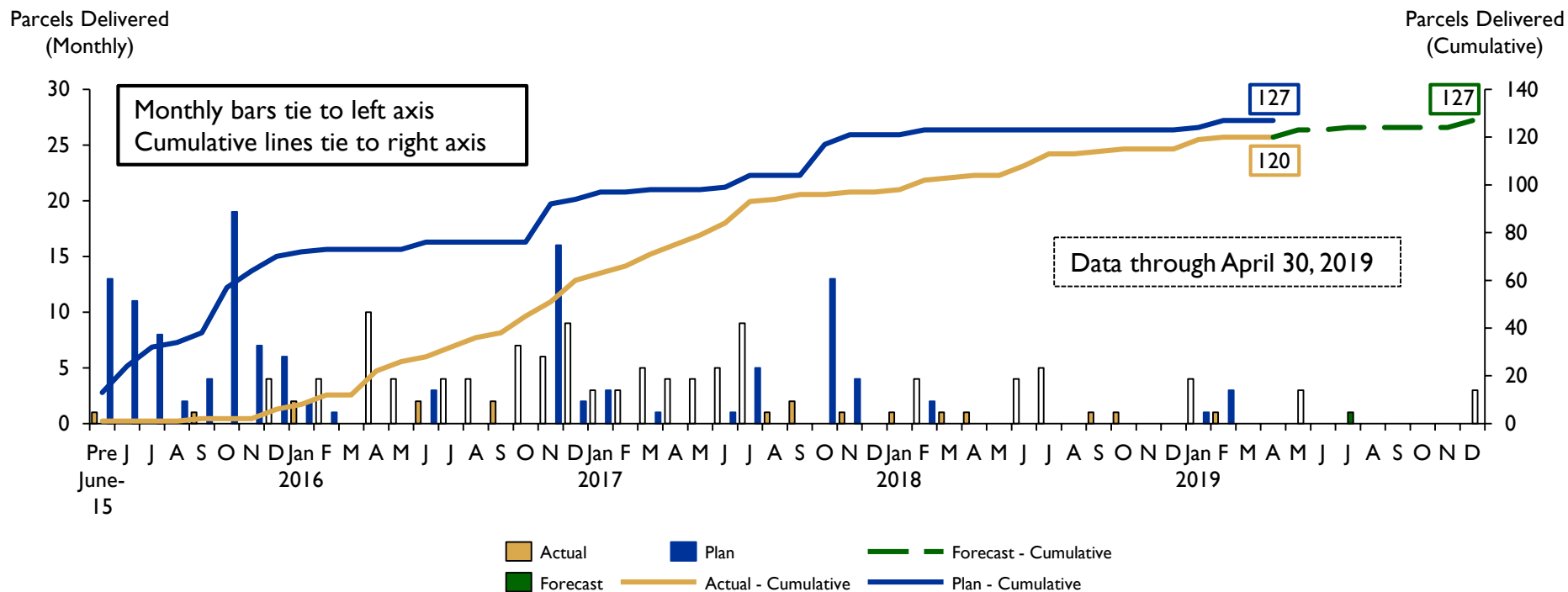
1. "Plan": Negotiated schedule as of December 2014 plus public parcels, and new parcels added for design developments and utility relocations. Addition of new parcels extends full Plan delivery to later date.
2. "Forecast": Forecast is continually refined based on expected delivery schedule.
3. CPI total parcels are continually updated as design changes are approved.

Source: May 1, 2019 ROW Executive Report

ROW – CP 1 Priority Parcels Delivered to Design-Build by Month

Plan vs. Actual vs. Forecast

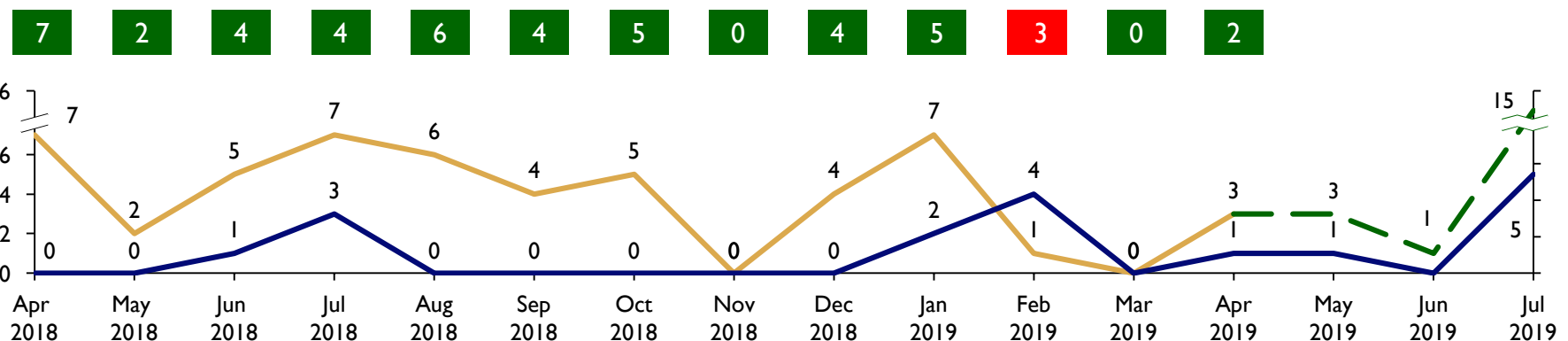
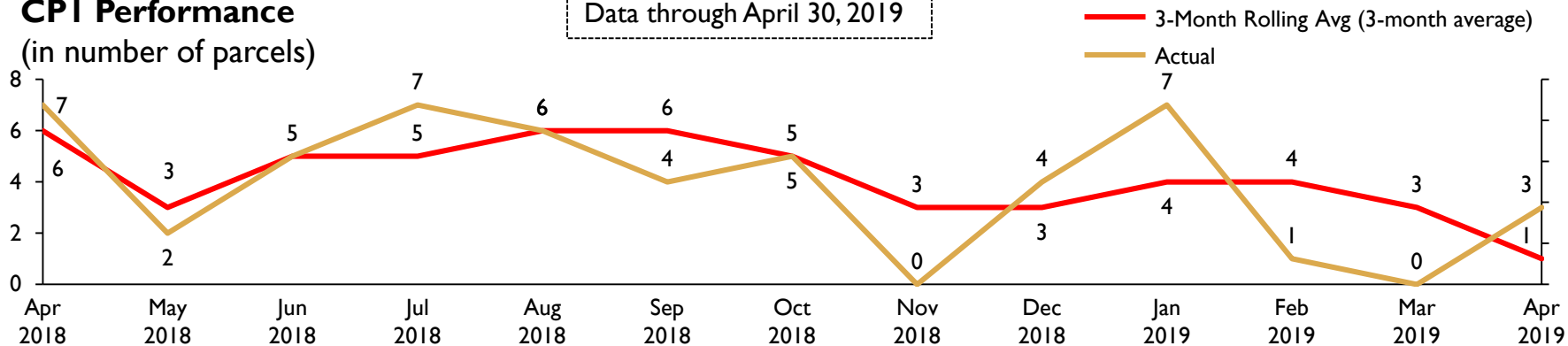
CPI –Delivered to DB (in number of parcels)



ROW – CP 1 Historic Performance

CPI Performance (in number of parcels)

Data through April 30, 2019



— Plan — Forecast

Actual parcels delivered compared to planned (negative)
Actual parcels delivered compared to planned (positive)

Notes:

1. "Plan": Negotiated schedule as of December 2014.
2. Design developments and lag in data entry can cause slight changes to plan and actual counts.

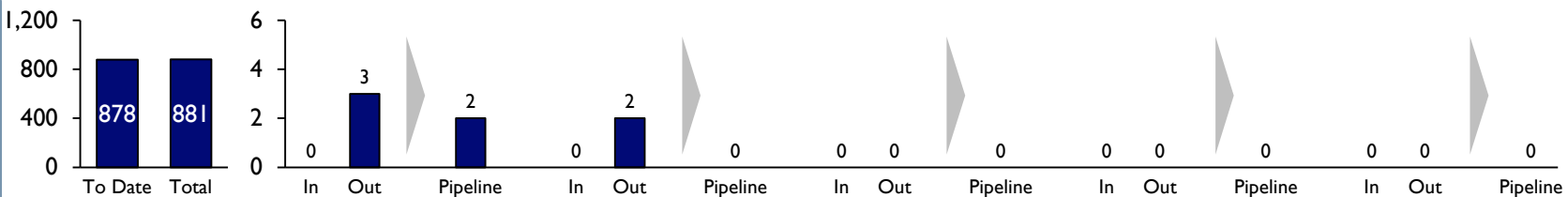
Source: May 1, 2019 ROW Executive Report

ROW – CP 1 Pipeline by Process (1 out of 4 pages)

Volume of Activity by Process (Flow) - Pipeline

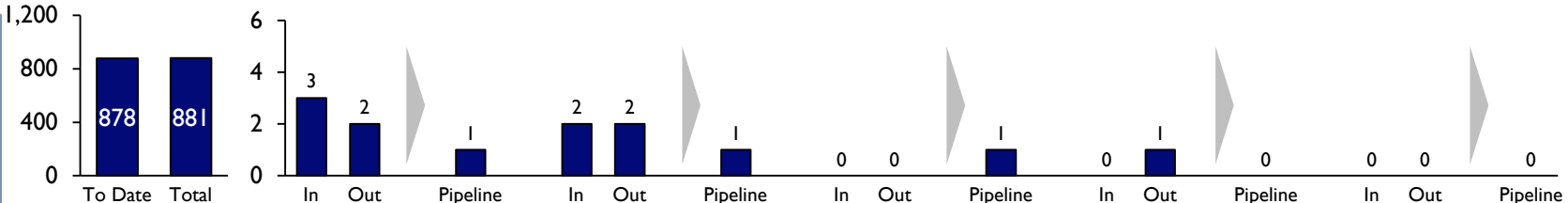
Completion
December 2018
January 2019
February 2019
March 2018
April 2019

Appraisal



- Parcels in pipeline are a function of pending design refinement submittals, reviews and approvals.

Just Compensation



- Parcels in pipeline pending DGS setting Just Compensation.

Note: Lag in data entry and parcel count changes due to design developments may create month-to-month variances in the parcel flow pipeline.

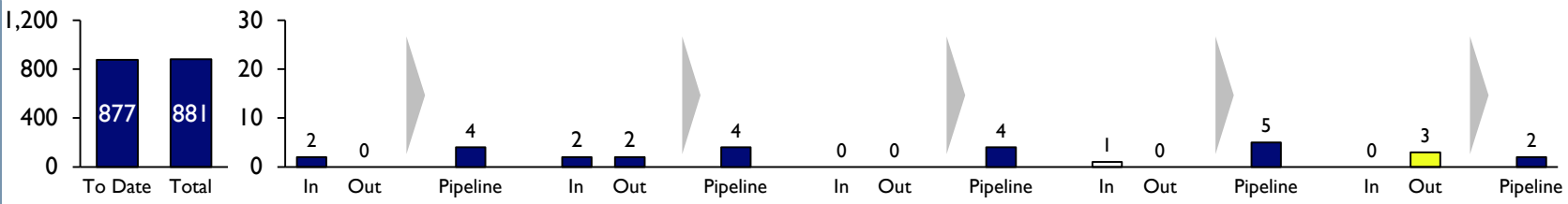
Source: May 1, 2019 ROW Executive Report

ROW – CP 1 Pipeline by Process (2 out of 4 pages)

Volume of Activity by Process (Flow) - Pipeline

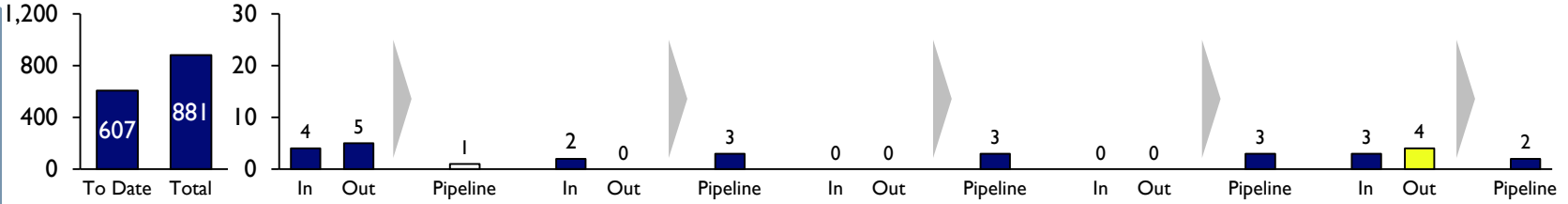


First Written Offer



- Pipeline consists of railroad parcels and non-railroad parcels.

Negotiation Acquisition



- Pipeline consists of signed agreements being processed through escrow, pending offers at property owners' decision to sign or enter condemnation and pending revised First Written Offer (FWO).

Note: Lag in data entry and parcel count changes due to design developments may create month-to-month variances in the parcel flow pipeline.

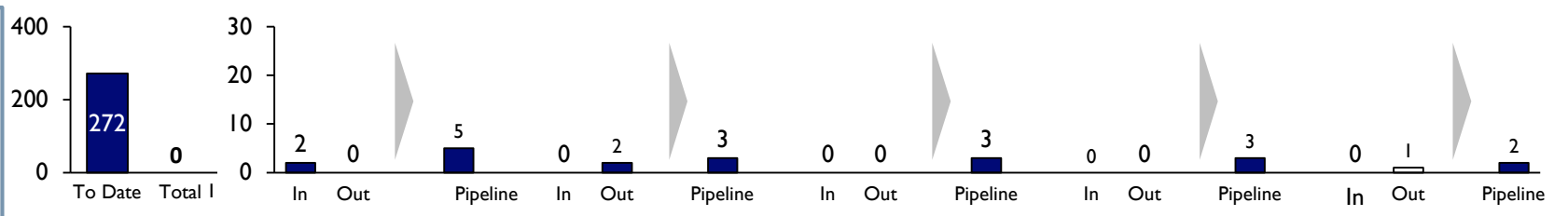
Source: May 1, 2019 ROW Executive Report

ROW – CP 1 Pipeline by Process (3 out of 4 pages)

Volume of Activity by Process (Flow) - Pipeline

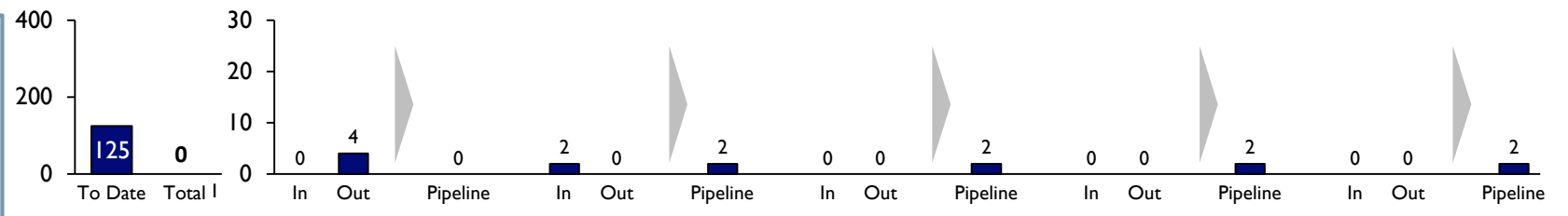


Condemnation



- Pipeline comprised of Resolution of Necessities (RONs) being processed by the Authority and ROW consultants and awaiting adoption by the Public Works Board (PWB). Also includes parcels being prepared by the Authority to transfer to Caltrans Legal.

Eminent Domain



- Pipeline illustrates total number of parcels in the Eminent Domain process with Caltrans legal with lawsuits filed. An Order of Possession (OP) is the next step if a settlement is not reached.

Notes:

1. Total number of parcels that may take the condemnation route is unknown.
2. Lag in data entry and parcel count changes due to design developments may create month-to-month variances in the parcel flow pipeline.

Source: May 1, 2019 ROW Executive Report

ROW – CP 1 Pipeline by Process (4 out of 4 pages)

Volume of Activity by Process (Flow) - Pipeline

Completion

December 2018

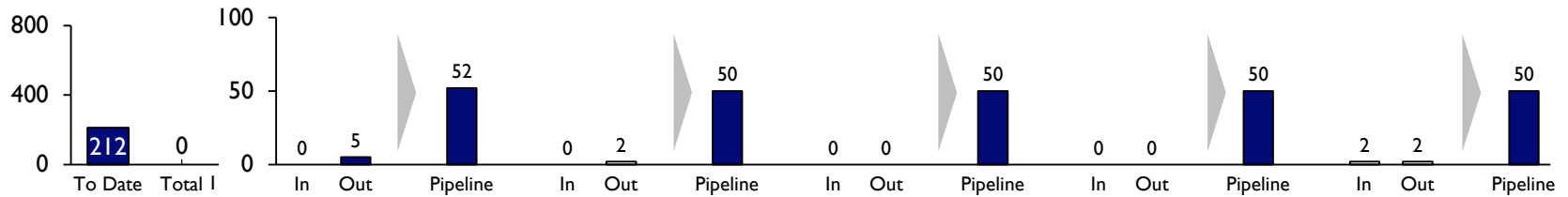
January 2019

February 2019

March 2018

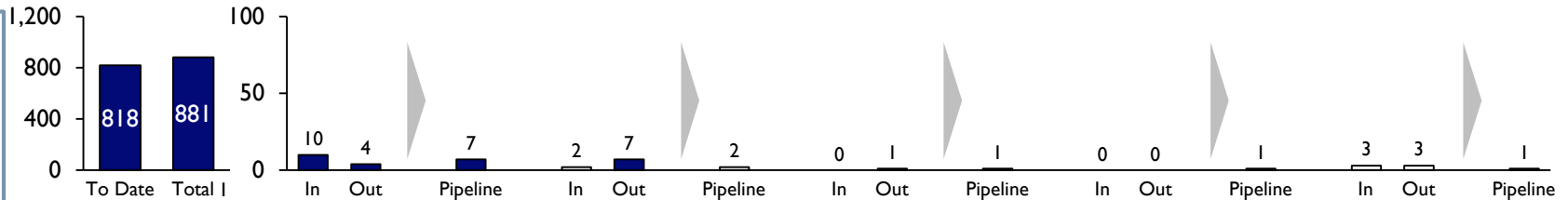
April 2019

Public Agency / Railroad



- Comprised of railroad parcels and public parcels. Public parcels are being processed with Master Agreements before proceeding to individual utility relocations and acquisitions. Most railroad parcels are dependent on the DB completing designs so the railroad issues a construction and maintenance agreement.

Delivery



- Pipeline consists of parcels requiring relocation and parcels available to be transferred to DB.

Notes:

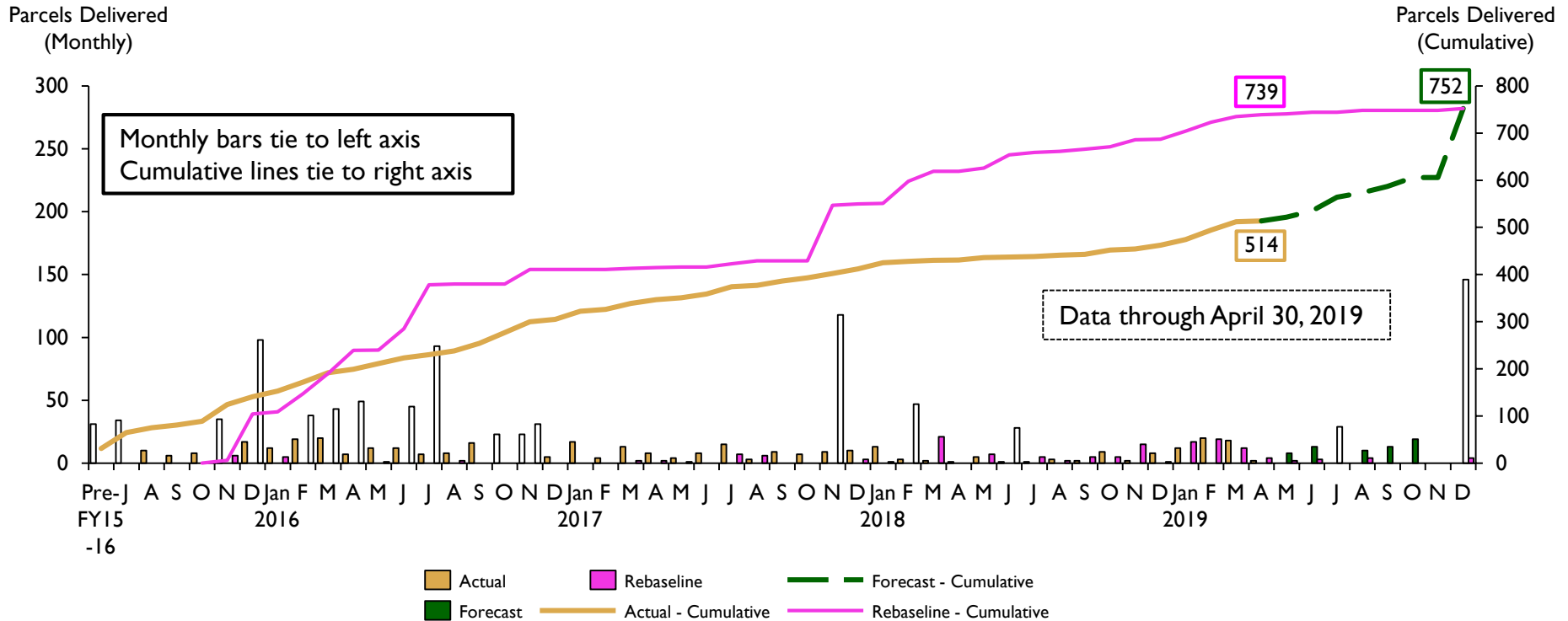
- Total number of public parcels to be identified.
- Lag in data entry and parcel count changes due to design developments may create month-to-month variances in the parcel flow pipeline.

Source: May 1, 2019 ROW Executive Report

ROW – CP 2-3 Parcels Delivered to DB by Month

Plan vs. Actual vs. Forecast

CP 2-3 - Delivered to DB (in number of parcels)



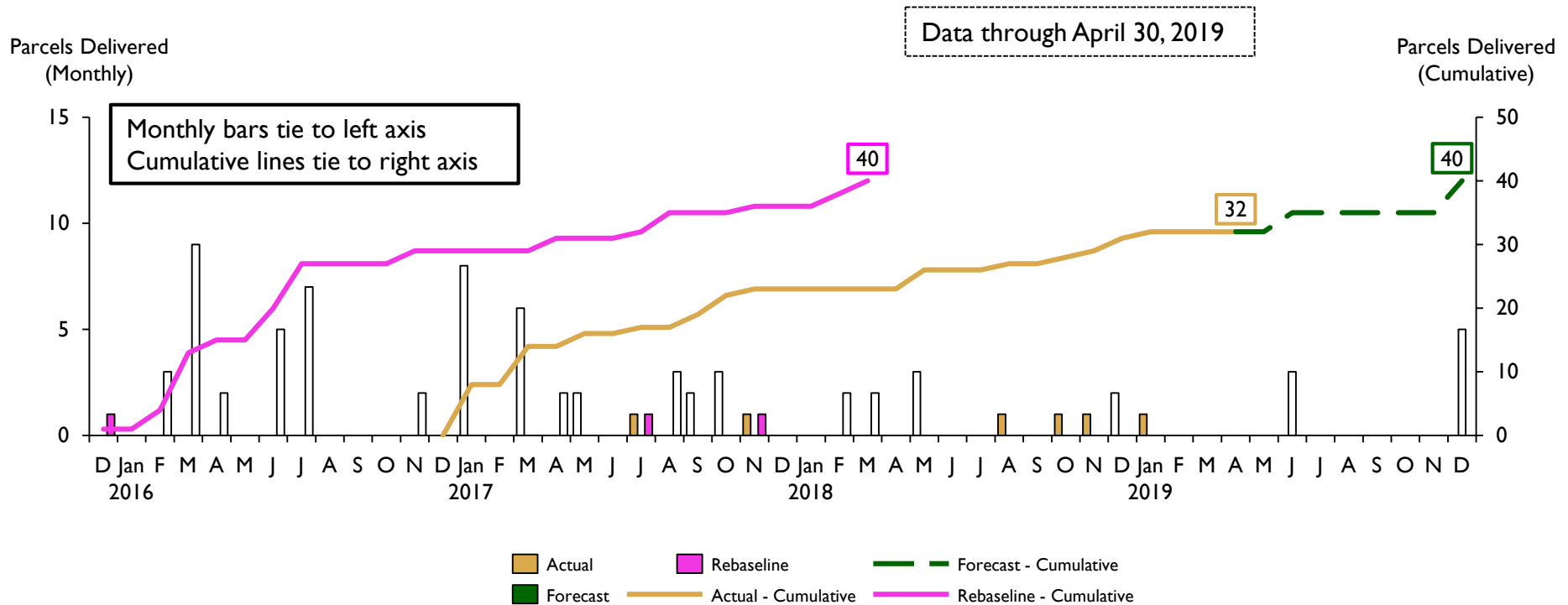
- Notes:
1. The “Plan” schedule shown previously has been replaced with the “Rebaseline” schedule that reflects current contractual delivery schedule based on design developments.
 2. “Forecast”: Continually refined based on expected delivery.
 3. Total number of parcels will be updated as new parcels added for design developments and utility relocations are approved.

Source: May 1, 2019 ROW Executive Report

ROW – CP 2-3 Priority Parcels Delivered to Design-Build by Month

Plan vs. Actual vs. Forecast

CP 2-3 - Delivered to DB (in number of parcels)



Notes:

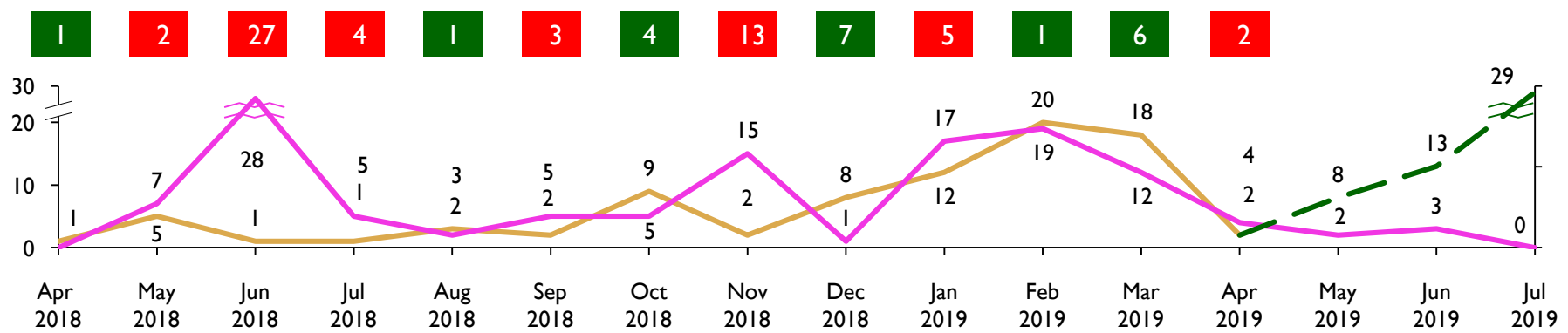
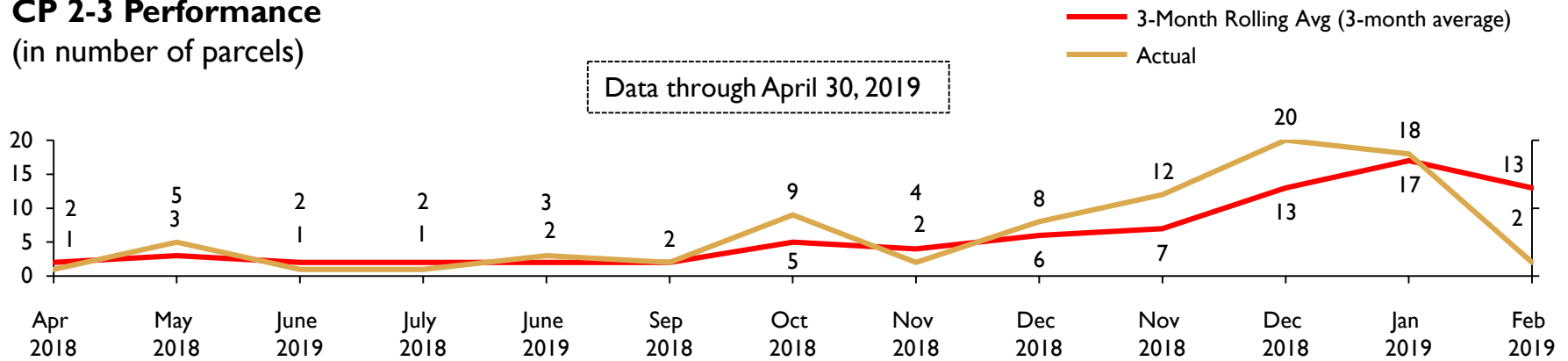
1. The “Plan” schedule shown previously has been replaced with the “Rebaseline” schedule that reflects current contractual delivery schedule based on design developments.
2. “Forecast”: Continually refined based on expected delivery depending on phase in acquisition process (such as hearing scheduled, suit filed, DGS contract approval, or parcels certified for delivery) or stage in the design process.
3. Total number of parcels will be updated as priority parcels are approved.

Source: May 1, 2019 ROW Executive Report

ROW – CP 2-3 Historic Performance

CP 2-3 Performance (in number of parcels)

Data through April 30, 2019



Notes:

— Actual — Rebaseline — Forecast

Actual parcels delivered compared to planned (negative)
Actual parcels delivered compared to planned (positive)

1. The “Plan” schedule shown previously has been replaced with the “Rebaseline” schedule that reflects current contractual delivery schedule based on design developments.
2. Contract executed in June 2015; 31 parcels delivered after contract execution
3. Design developments and lag in data entry can cause slight changes to plan and actual counts.

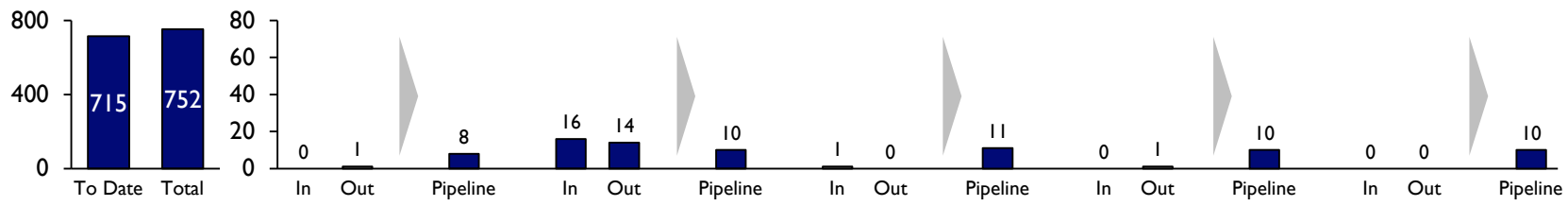
Source: May 1, 2019 ROW Executive Report

ROW – CP 2-3 Pipeline by Process (1 out of 4 pages)

Volume of Activity by Process (Flow) - Pipeline

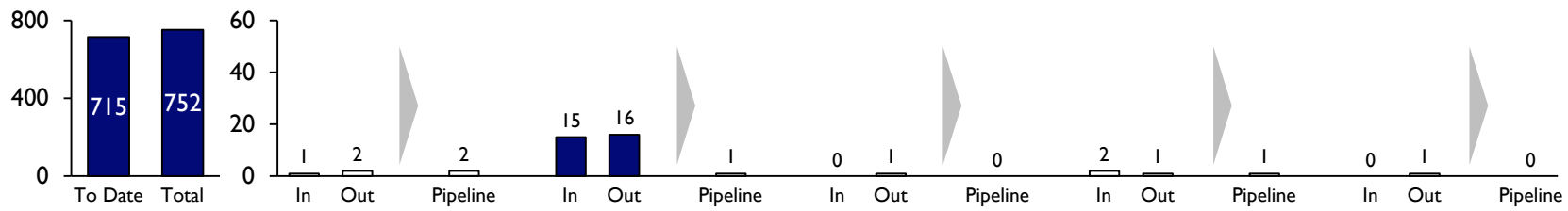


Appraisal



- Parcels in pipeline a function of pending design refinement submittals, reviews and approvals.

Just Compensation



- Parcels in pipeline pending DGS setting Just Compensation.

Note: Lag in data entry and parcel count changes due to design developments may create month-to-month variances in the parcel flow pipeline.

Source: May 1, 2019 ROW Executive Report

ROW – CP 2-3 Pipeline by Process (2 out of 4 pages)

Volume of Activity by Process (Flow) - Pipeline

Completion

December 2018

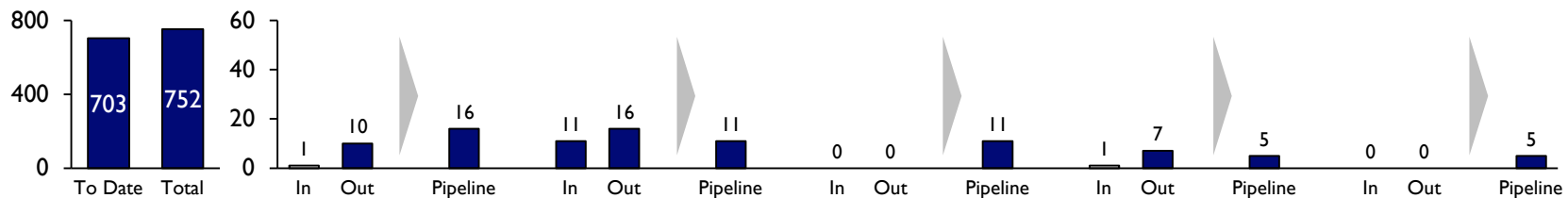
January 2019

February 2019

March 2018

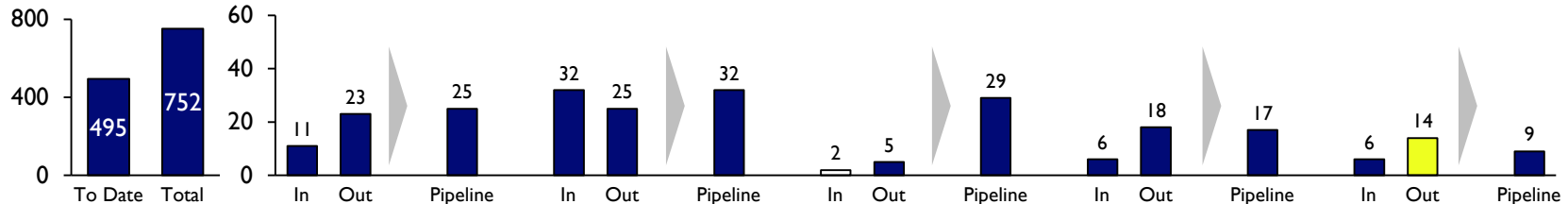
April 2019

First Written Offer



- Pipeline consists of railroad parcels and non-railroad parcels.

Negotiation Acquisition



- Pipeline consists of signed agreements being processed through escrow, pending offers at property owners' decision to sign or enter condemnation and pending revised First Written Offer (FWO).

Note: Lag in data entry and parcel count changes due to design developments may create month-to-month variances in the parcel flow pipeline.

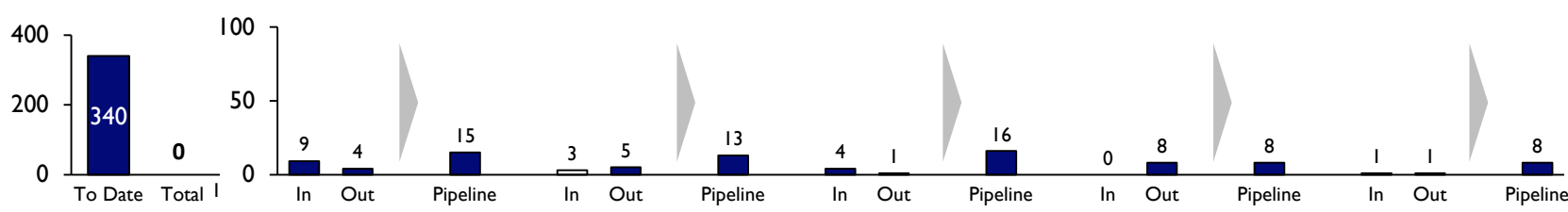
Source: May 1, 2019 ROW Executive Report

ROW – CP 2-3 Pipeline by Process (3 out of 4 pages)

Volume of Activity by Process (Flow) - Pipeline

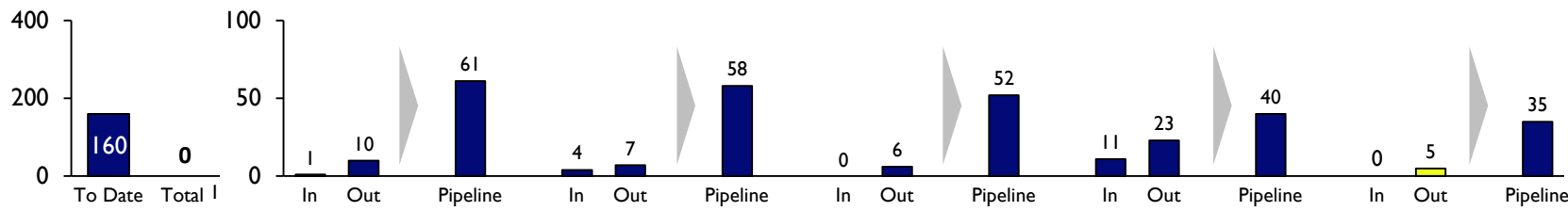


Condemnation



- Pipeline comprised of RONS being processed by the Authority and ROW consultants and awaiting adoption by PWB.

Eminent Domain



- Pipeline comprised of suits (parcels) at Caltrans legal pending filing with the courts seeking Court Orders of Possession.

Notes:

1. Total number of parcels that may take the condemnation route is unknown.
2. Lag in data entry and parcel count changes due to design developments may create month-to-month variances in the parcel flow pipeline.

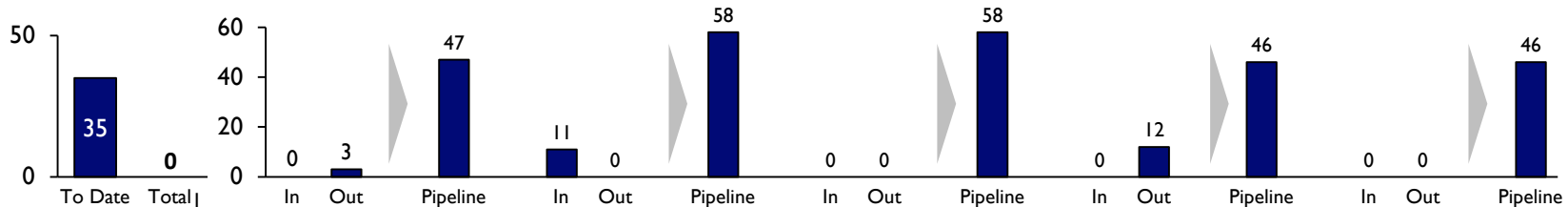
Source: May 1, 2019 ROW Executive Report

ROW – CP 2-3 Pipeline by Process (4 out of 4 pages)

Volume of Activity by Process (Flow) - Pipeline

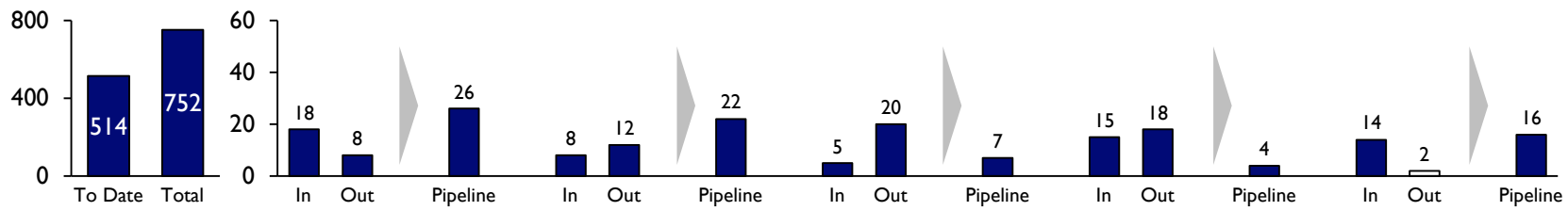


Public Agency / Railroad



- Current parcel count only includes public parcels with APNs and value. Public Roadway parcels will be defined to add to the total number of distinct parcels.

Delivery



- Pipeline consists of parcels requiring relocation and parcels available to be transferred to DB.

Notes:

1. Total number of public parcels to be identified.
2. Lag in data entry and parcel count changes due to design developments may create month-to-month variances in the parcel flow pipeline.

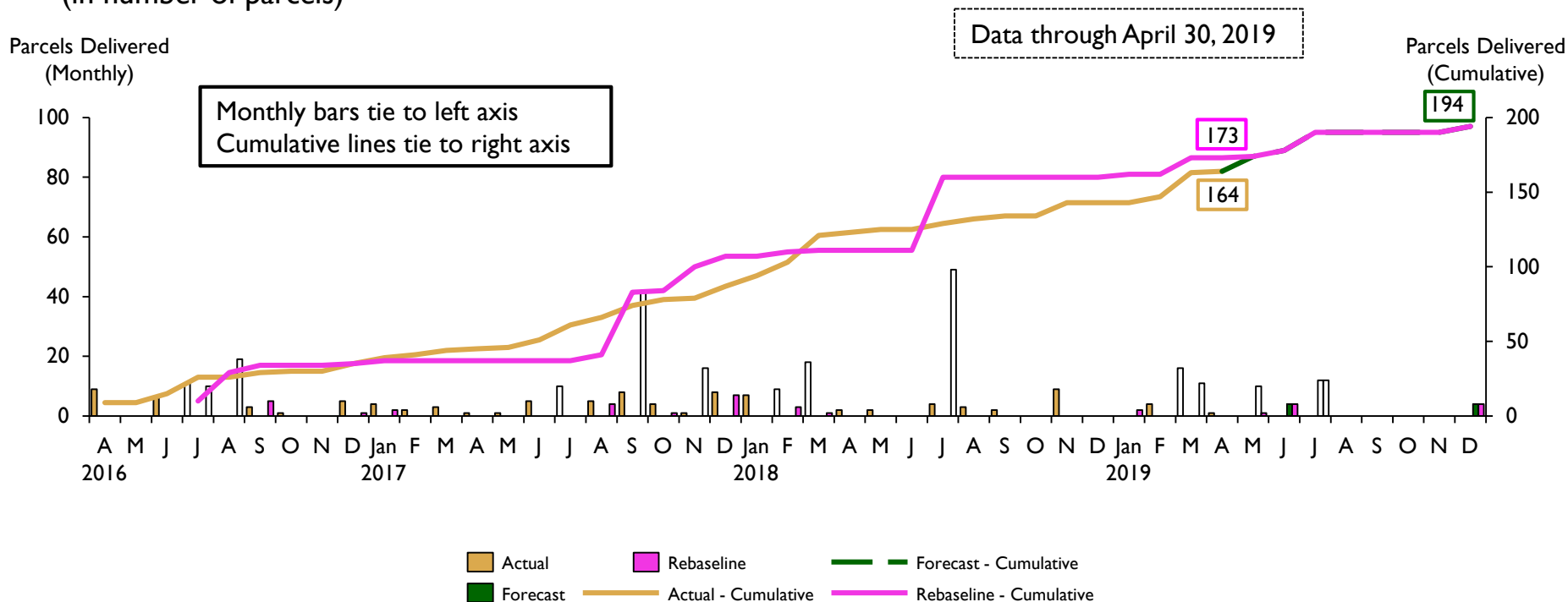
Source: May 1, 2019 ROW Executive Report

ROW – CP 4 Parcels Delivered to DB by Month

Plan vs. Actual vs. Forecast

CP 4 - Delivered to DB

(in number of parcels)



- Notes:
1. The “Plan” schedule shown previously has been replaced with “Rebaseline” schedule that reflects current contractual delivery schedule based on new parcels added for design developments and utility relocations.
 2. “Forecast”: Continually refined based on expected delivery.
 3. Total number of parcels will be updated as new parcels added for design developments and utility relocations are approved.

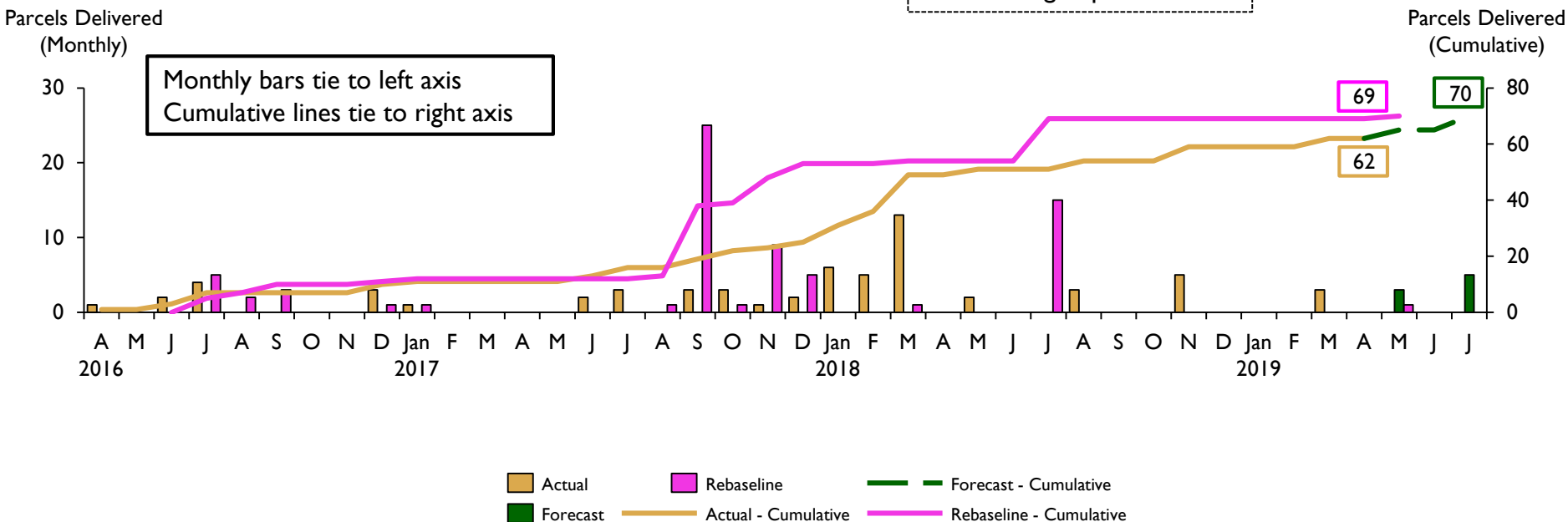
Source: May 1, 2019 ROW Executive Report

ROW – CP 4 Priority Parcels Delivered to Design-Build by Month

Plan vs. Actual vs. Forecast

CP 4 - Delivered to DB (in number of parcels)

Data through April 30, 2019



Notes:

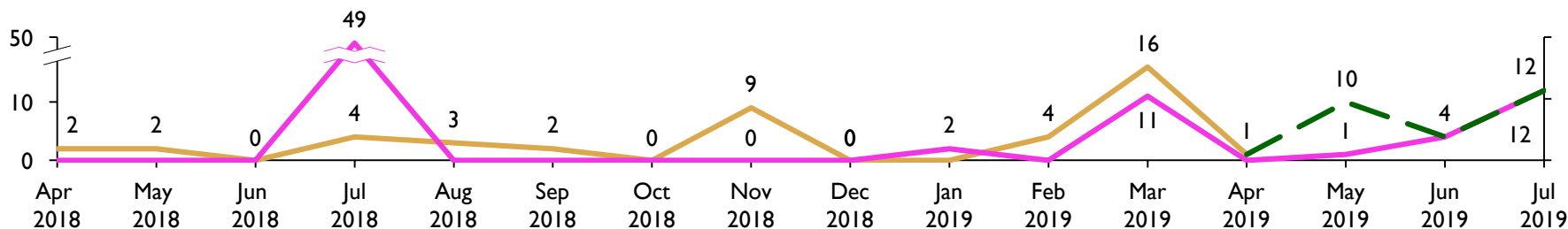
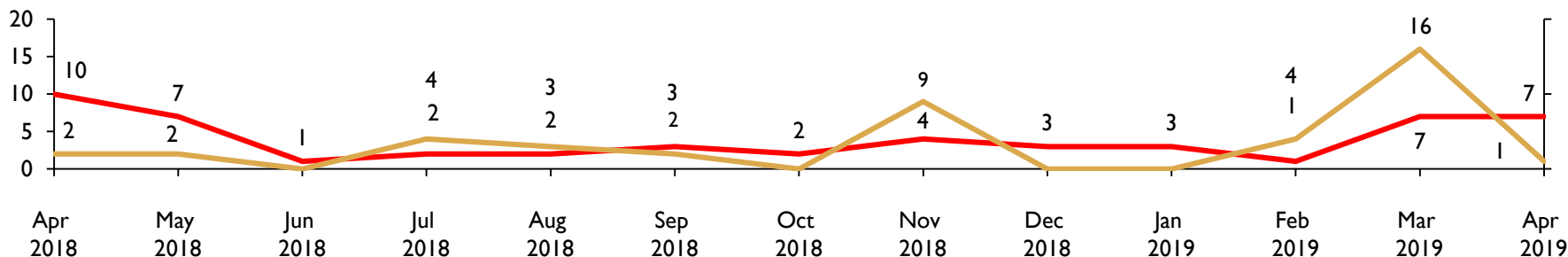
1. The “Plan” schedule shown previously has been replaced with the “Rebaseline” schedule that reflects current contractual delivery schedule based on new parcels added for design developments and utility relocations.
2. “Forecast”: Continually refined based on expected delivery which is driven by factors such as design developments, owner suit, and phase in the acquisition process (OP hearing/settlement, DGS contract approval, or certification for delivery).
3. Total number of parcels will be updated as priority parcels are approved.
4. Planned delivery spike in delivery September 2017 is due to major design change (ATC 11).
5. Planned delivery spike in December 2018 is due to major change (Sunny Gem and Wasco Viaduct). Source: May 1, 2019 ROW Executive Report

ROW – CP 4 Historic Performance

CP 4 Performance (in number of parcels)

Data through April 30, 2019

— 3-Month Rolling Avg (3-month average)
— Actual



Actual parcels delivered compared to planned (negative)
Actual parcels delivered compared to planned (positive)

— Actual — Rebaseline — Forecast

Notes:

- The "Plan" schedule shown previously has been replaced with the "Rebaseline" schedule that reflects current contractual delivery schedule based on design developments.
- Design developments and lag in data entry can cause slight changes to plan and actual counts.

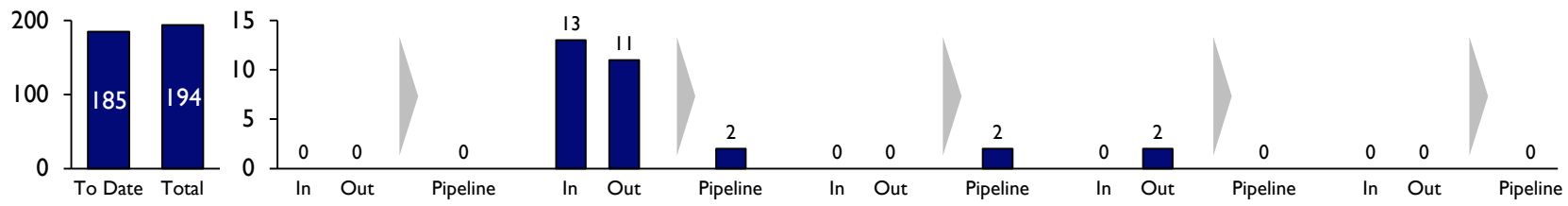
Source: May 1, 2019 ROW Executive Report

ROW – CP 4 Pipeline by Process (1 out of 4 pages)

Volume of Activity by Process (Flow) - Pipeline

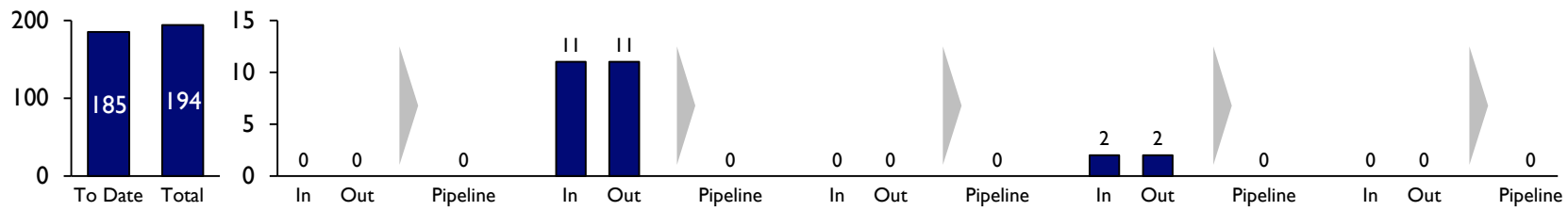
Completion December 2018 January 2019 February 2019 March 2018 **April 2019**

Appraisal



- Parcels in pipeline a function of pending design refinement submittals, reviews and approvals.

Just Compensation



- Parcels in pipeline pending DGS setting Just Compensation.

Note: Lag in data entry and parcel count changes due to design developments may create month-to-month variances in the parcel flow pipeline.

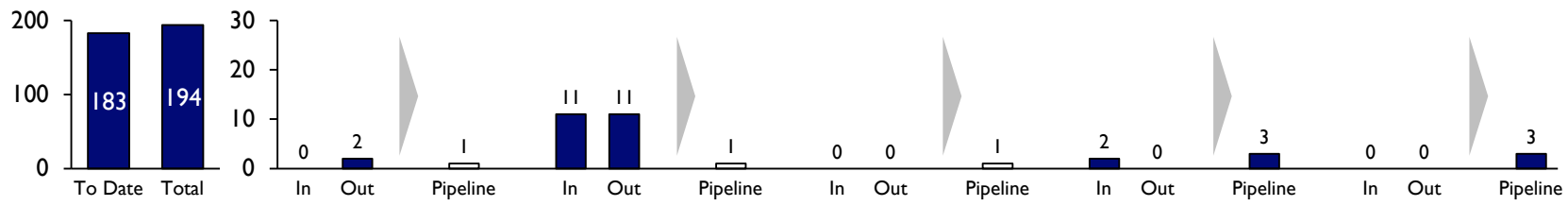
Source: May 1, 2019 ROW Executive Report

ROW – CP 4 Pipeline by Process (2 out of 4 pages)

Volume of Activity by Process (Flow) - Pipeline

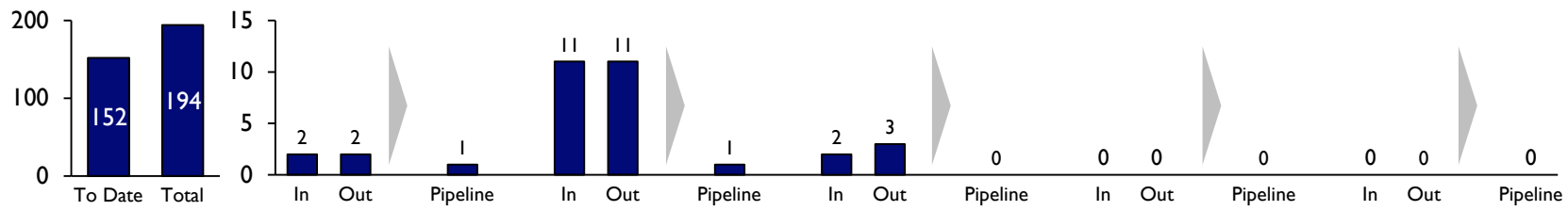


First Written Offer



- Pipeline consists of railroad parcels and non-railroad parcels.

Negotiation Acquisition



- Pipeline consists of signed agreements being processed through escrow, pending offers at property owners’ decision to sign or enter condemnation and pending revised First Written Offer (FWO).

Note: Lag in data entry and parcel count changes due to design developments may create month-to-month variances in the parcel flow pipeline.

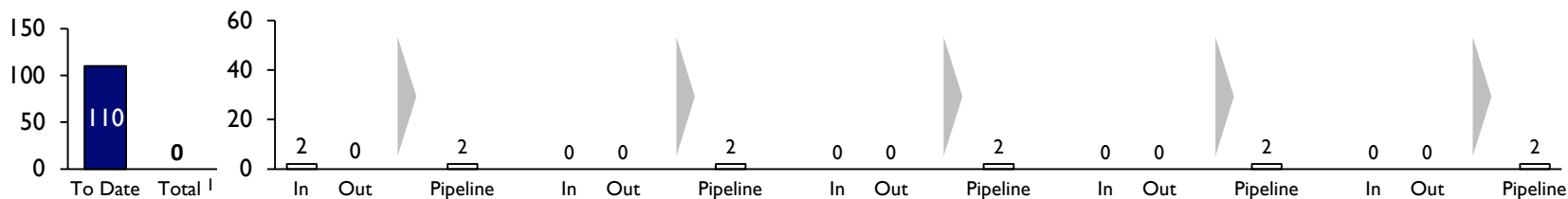
Source: May 1, 2019 ROW Executive Report

ROW – CP 4 Pipeline by Process (3 out of 4 pages)

Volume of Activity by Process (Flow) - Pipeline

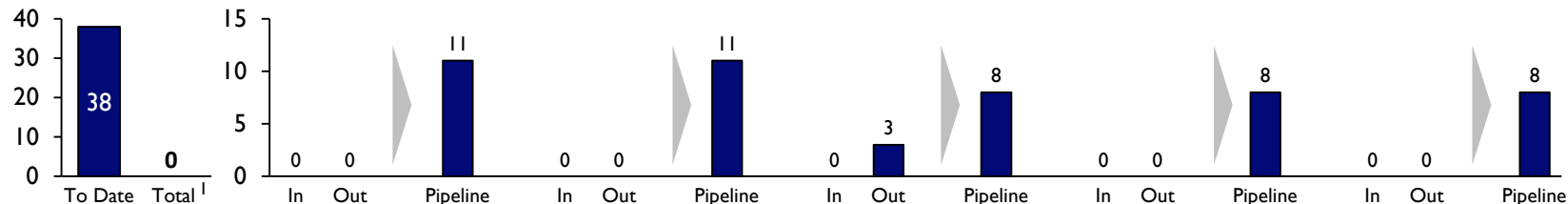
- Completion
- December 2018
- January 2019
- February 2019
- March 2018
- April 2019

Condemnation



- Pipeline comprised of RONS being processed by the Authority and ROW consultants and awaiting adoption by PWB.

Eminent Domain



- Pipeline comprised of suits (parcels) at Caltrans legal pending filing with the courts seeking Court Orders of Possession.

Notes:

1. Total number of parcels that may take the condemnation route is unknown.
2. Lag in data entry and parcel count changes due to design developments may create month-to-month variances in the parcel flow pipeline.

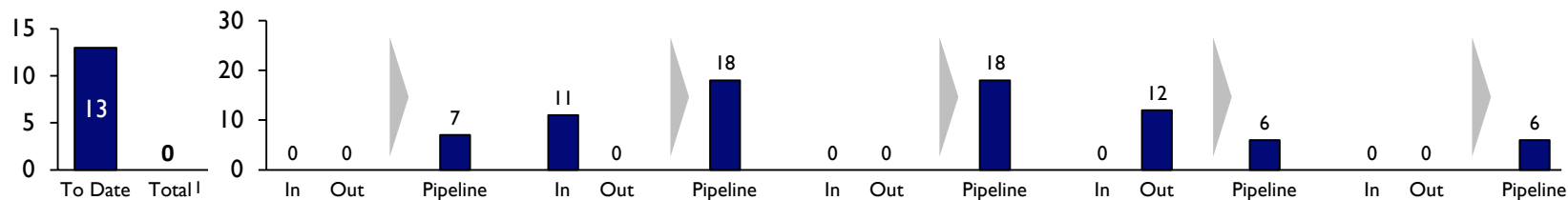
Source: May 1, 2019 ROW Executive Report

ROW – CP 4 Pipeline by Process (4 out of 4 pages)

Volume of Activity by Process (Flow) - Pipeline

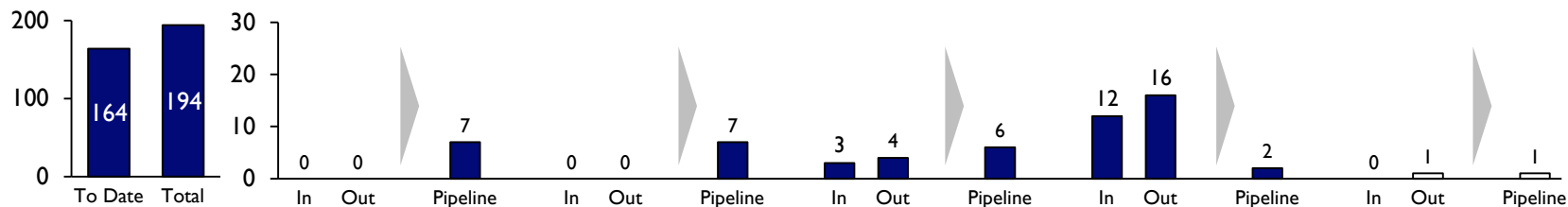


Public Agency / Railroad



- Current parcel count only includes public parcels with APNs and value. Public Roadway parcels will be defined to add to the total number of distinct parcels.

Delivery



- Pipeline consists of parcels requiring relocation and parcels available to be transferred to DB.

Notes:

1. Total number of public parcels to be identified.
2. Lag in data entry and parcel count changes due to design developments may create month-to-month variances in the parcel flow pipeline.

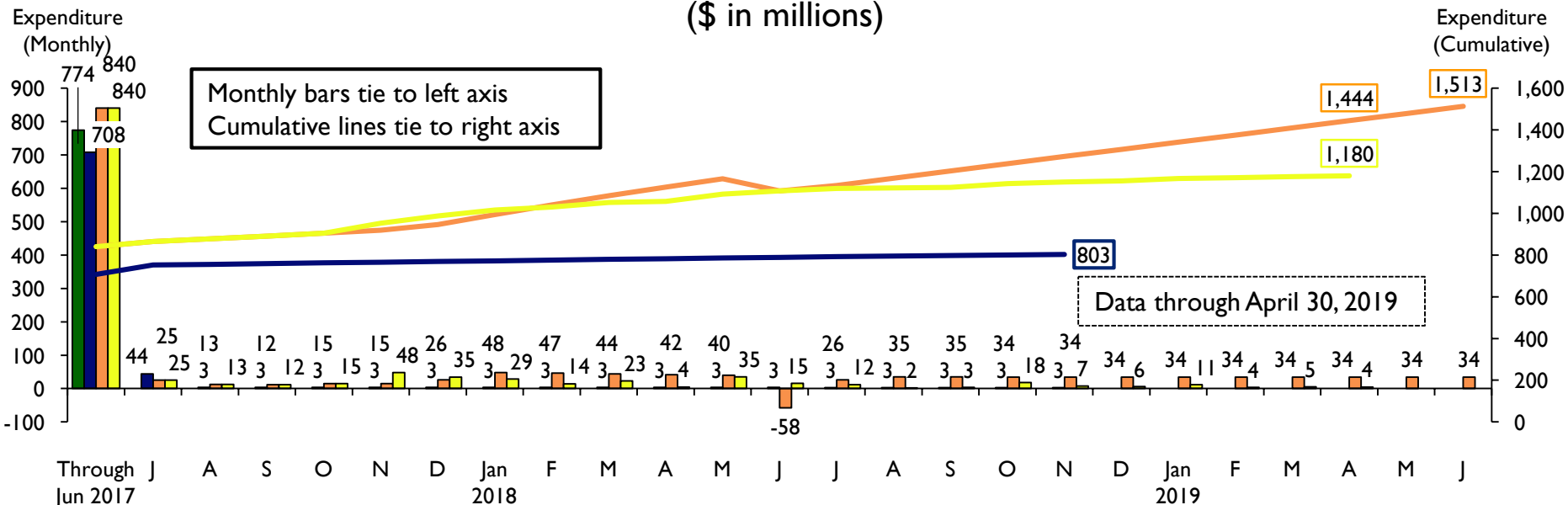
Source: May 1, 2019 ROW Executive Report

Total ROW Expenditure by Month

Forecast vs. Actual

Total ROW Expenditure Schedule

(\$ in millions)



- Original FCP Forecast (December 2012)
- December 2015 FCP Forecast
- May 2019 Capital Outlay Forecast
- Actual
- December 2015 FCP Forecast - Cumulative
- May 2019 Capital Outlay Forecast - Cumulative
- Actual - Cumulative

Notes:

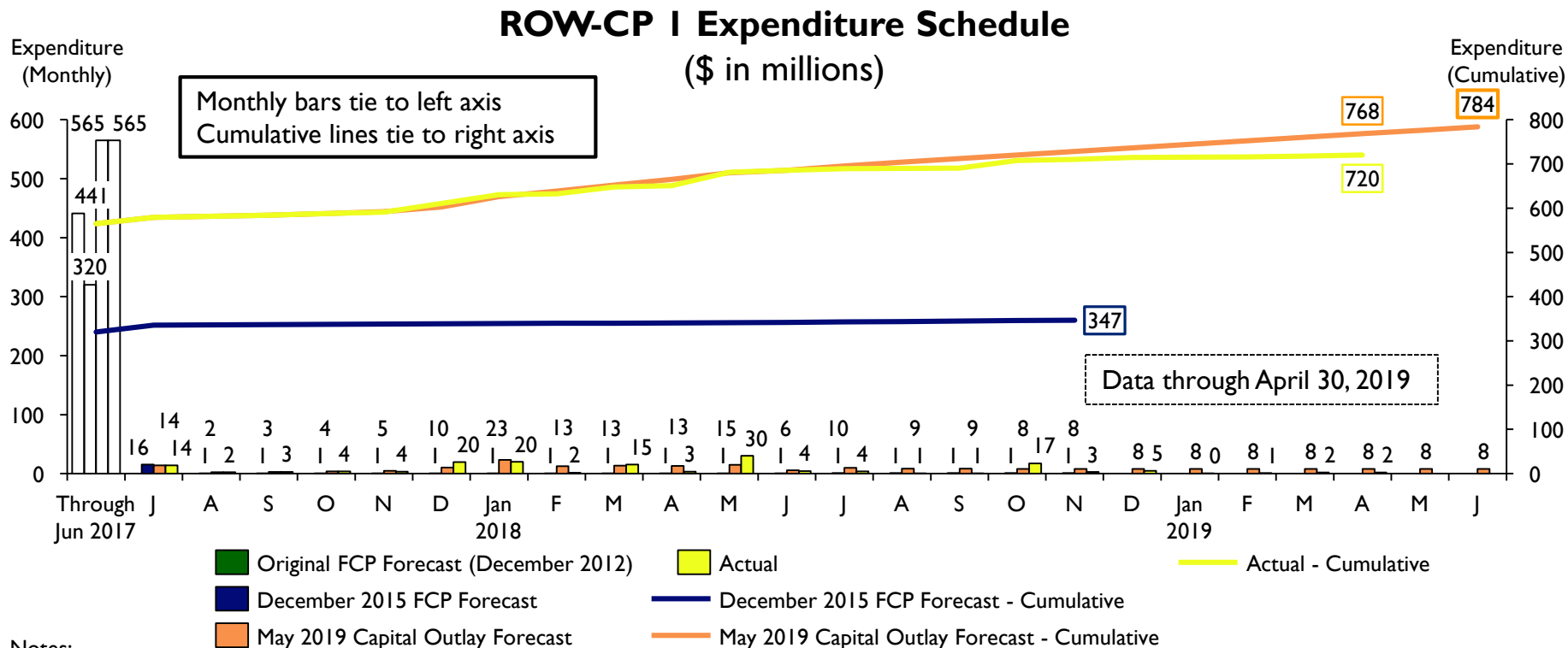
1. Amounts represent monthly totals; not parcel-by-parcel forecast and actual expenditures.
2. \$24M of ROW preliminary costs is not allocated to specific construction package (CP).
3. "Original FCP Forecast" refers to the first Funding Contribution Plan approved by the FRA in December 2012.
4. Total ROW budget in Original FCP is \$774M, and was forecasted to be fully spent by June 2015.
5. December 2015 FCP was not approved, and was only used to track expenditure performance prior to the approval of March 2016 FCP.
6. Numbers may not add due to rounding. Variance in FCP and Capital Outlay numbers due to timing differences.
7. The forecast source is now the Capital Outlay report which captures all funding. The FCP only captured FRA (ARRA) eligible costs.

Sources:

1. Capital Outlay Report, May 2019
2. Funding Contribution Plan, December 2015
3. Funding Contribution Plan, December 2012

ROW-CP 1 Expenditure by Month

Forecast vs. Actual



Notes:

- Amounts represent monthly totals; not parcel-by-parcel forecast and actual expenditures.
- Does not include CP ID (North Extension) acquisition costs.
- “Original FCP Forecast” refers to the first Funding Contribution Plan approved by the FRA in December 2012.
- CP I ROW budget in Original FCP is \$441M, and was forecasted to be fully spent by June 2015.
- December 2015 FCP was not approved, and was only used to track expenditure performance prior to the approval of March 2016 FCP.
- Numbers may not add due to rounding. Variance in FCP and Capital Outlay numbers due to timing differences.
- The forecast source is now the Capital Outlay report which captures all funding. The FCP only captured FRA (ARRA) eligible costs.

Sources:

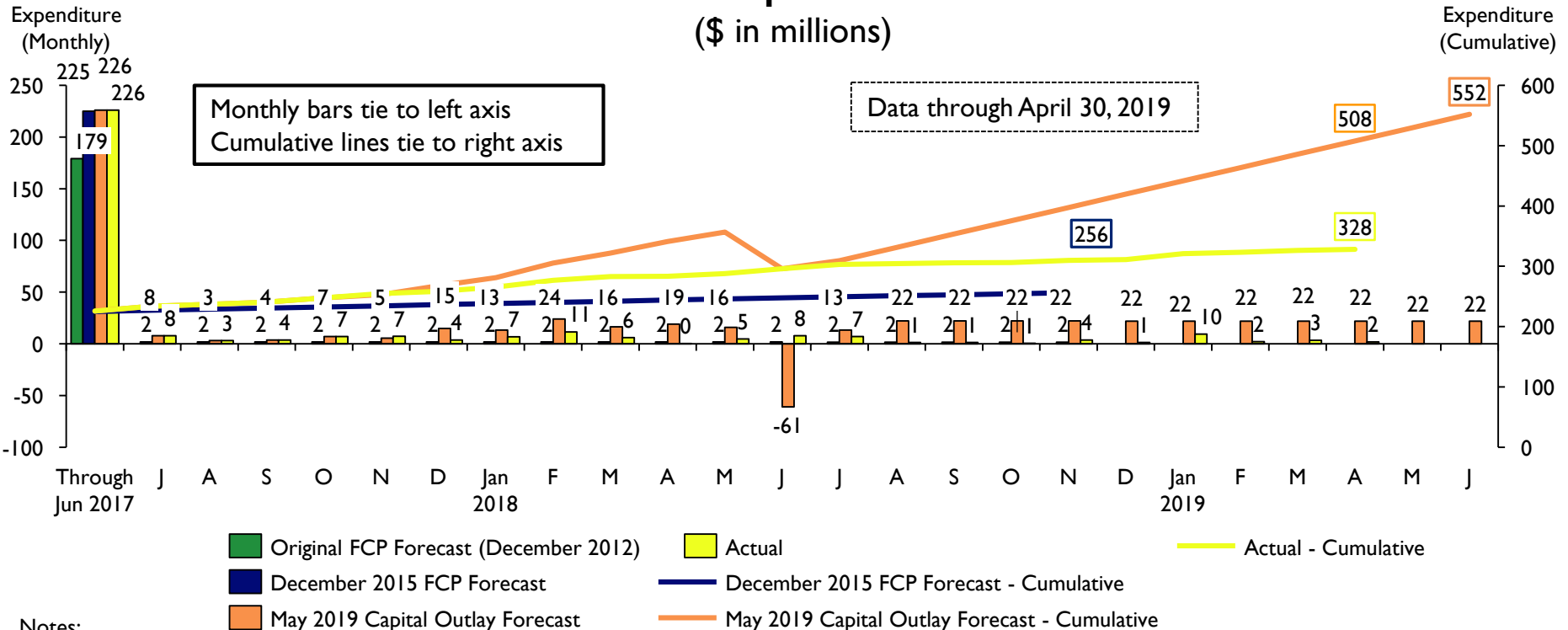
- Capital Outlay Report, May 2019
- Funding Contribution Plan, December 2015
- Funding Contribution Plan, December 2012

ROW-CP 2-3 Expenditure by Month

Forecast vs. Actual

ROW-CP 2-3 Expenditure Schedule

(\$ in millions)



Notes:

1. Amounts represent monthly totals; not parcel-by-parcel forecast and actual expenditures.
2. "Original FCP Forecast" refers to the first Funding Contribution Plan approved by the FRA in Dec-012.
3. CP 2-3 ROW budget in Original FCP is \$179M, and was forecasted to be fully spent by Jun-2015.
4. December 2015 FCP was not approved, and was only used to track expenditure performance prior to the approval of March 2016 FCP.
5. March 2017 actual expenditure includes ROW Working Capital Allocation (WCA) reversal reallocation.
6. The forecast source is now the Capital Outlay report which captures all funding. The FCP only captured FRA (ARRA) eligible costs.

Sources:

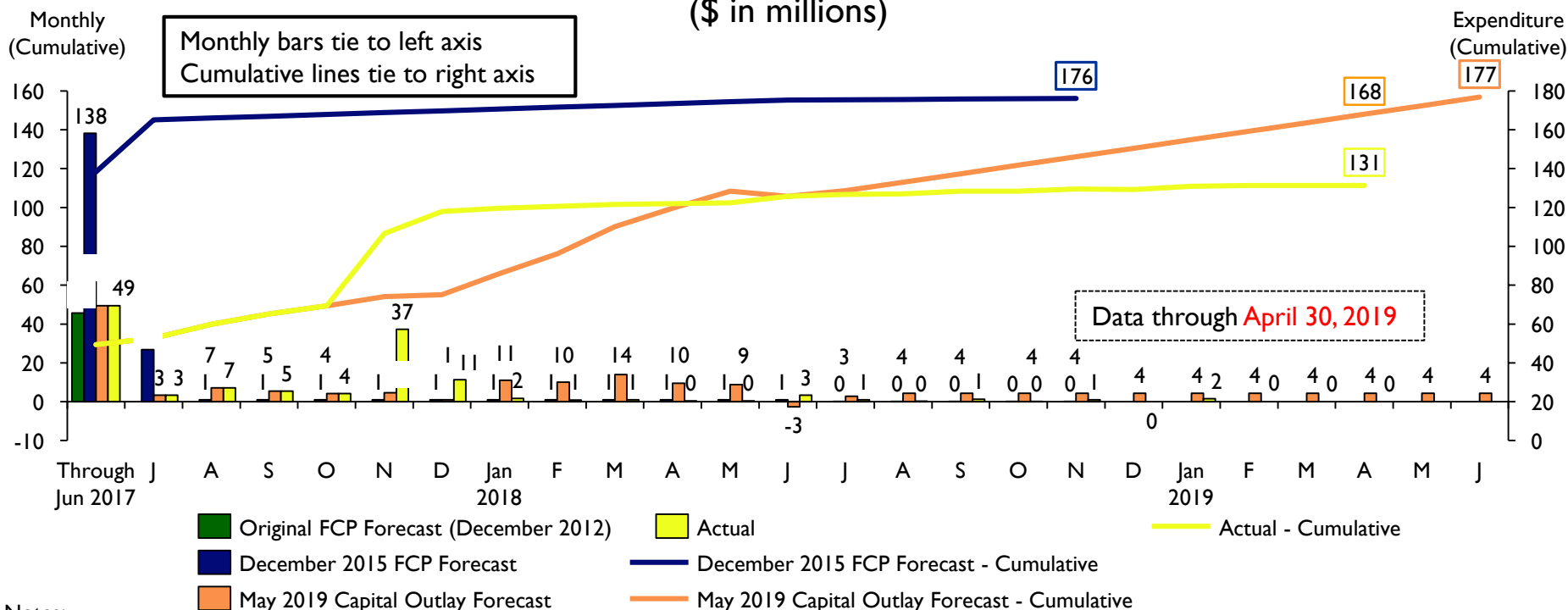
1. Capital Outlay Report, May 2019
2. Funding Contribution Plan, December 2015
3. Funding Contribution Plan, December 2012

ROW-CP 4 Expenditure by Month

Forecast vs. Actual

ROW-CP 4 Expenditure Schedule

(\$ in millions)



Notes:

1. Amounts represent monthly totals; not parcel-by-parcel forecast and actual expenditures.
2. CP 4 ROW parcel delivery data will be added to Operations Report once deliveries ramp-up.
3. "Original FCP Forecast" refers to the first Funding Contribution Plan approved by the FRA in December 2012.
4. CP 4 ROW budget in Original FCP is \$46M, and was forecasted to be fully spent by June 2015.
5. December 2015 FCP was not approved, and was only used to track expenditure performance prior to the approval of March 16 FCP.
6. Numbers may not add due to rounding. Variance in FCP and Capital Outlay numbers due to timing differences.
7. The forecast source is now the Capital Outlay report which captures all funding. The FCP only captured FRA (ARRA) eligible costs.

Sources:

1. Capital Outlay Report, May 2019
2. Funding Contribution Plan, December 2015
3. Funding Contribution Plan, December 2012

Agenda

- ▶ Operations Report Metrics
 - Executive Summary
 - Right-of-Way (ROW)
 - Project Development
 - Third Party Agreements
 - Contract Management
 - Finance/Budget
 - ARRA State Match Schedule
 - Risk

Project Development Clearance Metrics - Context

- ▶ The following slides track several metrics for each project section/project related to:
 - Schedule and physical percent complete.
 - Key milestones.
 - Actual, planned and forecasted costs-to-completion dates:
 - Program, RC, and EEC budgets and schedules have been updated following Board approval of the 2018 Business Plan and Program Baseline Delivery Plan.
 - For this report, the budget and forecast estimates are identical. Actuals have been updated through April 2019.
 - Monthly actual costs come from RC and EEC invoices the Authority receives.
 - Project Development Milestone Schedule page provides an overview of upcoming milestones across all project sections and projects.

Note: The Project Development budgets in this Operations Report include all funding sources (Prop IA, ARRA, and Cap and Trade). This report differs from the Funding Contribution Plan (FCP) since it is limited to the scope of the ARRA grant and state match requirements.

Project Development Milestones Schedule (to ROD)

Information through April 30, 2019¹

| Segment | Progress to Date | Next Steps |
|--------------------------------------|---|--|
| 1 San Francisco to San Jose (F2J) | <ul style="list-style-type: none"> Drafted a public outreach presentation and Board Staff Report to support the September 2019 State Preferred Alternative. Prepared for the third round of Community Working Groups Meetings in May. Conducted Footprint Validation workshop on April 23, without FRA participation. Received Record Set PEPD on May 17 and provided validation that all comments were incorporated. Completed several technical reports for Draft EIR/EIS from the regional consultant Drafted two reports to support permitting with Bay Conservation and Development Commission (BCDC) as part of ongoing coordination efforts. | <ul style="list-style-type: none"> Move forward with the development and review of selected technical reports and EIR/EIS sections and chapters. Complete Checkpoint B Summary Report, a key milestone document in permitting coordination with the U.S. Army Corps of Engineers (USACE) and U.S. Environmental Protection Agency (USEPA). Receive Checkpoint C draft for internal Authority review. Continue coordination with BCDC regarding Visitacion Creek permitting. Continue coordination with Universal Paragon Corporation's proposed Brisbane Baylands Specific Plan. Authority senior staff continues to meet with Caltrain executive staff regarding 4th and King Station, Millbrae Station and blended operations. Perform Community Working Group meetings in May. |
| 2 San Jose to CV Wye (J2Y) | <ul style="list-style-type: none"> Conducted footprint validation workshop in April 2019 without Federal Railroad Administration (FRA) participation. Continued preparation of Checkpoint C documentation and completed field work (CRAM). Conducted workshops April 29-30 with EEC to resolve review comments and confirm assumptions for National Environmental Policy Act (NEPA)/California Environmental Quality Act (CEQA) and legal review in May Assembled materials to support preparation of staff recommended preferred alternative report. | <ul style="list-style-type: none"> Complete record (final) set of plans (PEPD) for project Alternatives. Circulate footprint validation package for Alternatives 1-4 for HSR and FRA approval. Initiate Legal and CEQA/NEPA Environmental Review of the administrative draft on May 8, 2019. Advance CEQA only environmental clearance for geotechnical investigations which will be needed for future construction activities in Santa Clara and Merced counties (Pacheco Pass). |
| 3 Central Valley Wye (M-F) | <ul style="list-style-type: none"> Provided Biological Assessment to U.S. Fish and Wildlife Service and National Marine Fisheries Service for review. Completed draft supplemental EIR/EIS ready for publication and circulation. Prepared notification and distribution materials for Draft Supplemental Environmental Impact Report (EIR) / Environmental Impact Report (EIS_ release under CEQA-First strategy with EIR clarifications and errata sheet. | <ul style="list-style-type: none"> Publish and circulate CVY Draft Supplemental EIR/EIS under a CEQA-first process with an EIR clarification and errata for a 48-day review and comment period. Hold community open house on May 15 in Fairmead. And the public hearing on June 5 at Madera County Fairgrounds. |

1. Text identified in red indicate change from previous month.

1 Program Priority #

Project Development Milestones Schedule (to ROD)

Information through April 30, 2019¹

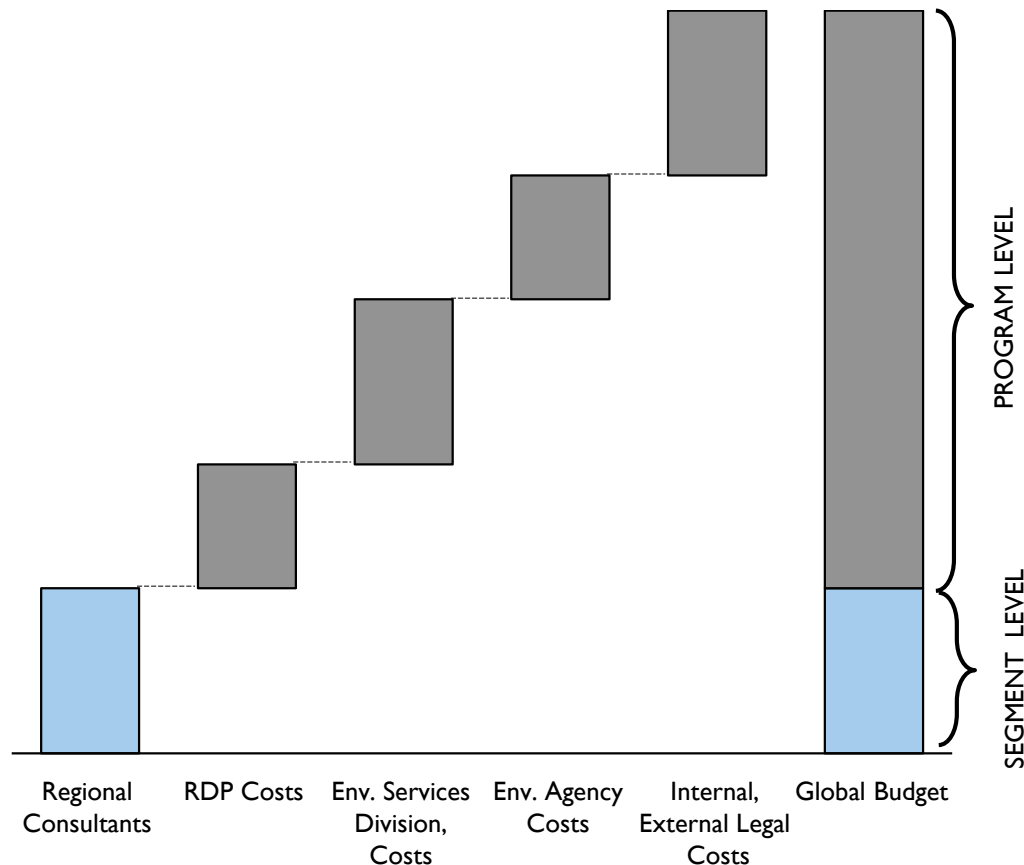
| Segment | Progress to Date | Next Steps |
|---|---|--|
| 4 Locally-Generated Alternative (F-B) ² | <ul style="list-style-type: none"> Initiated federal cooperating agency review of the administrative draft Final Supplemental EIS. | <ul style="list-style-type: none"> Revise permit applications to reflect the Board's approval in October 2018. |
| 5 LA to Anaheim | <ul style="list-style-type: none"> Continued coordination with BNSF on project elements. Submitted comment letter on LinkUS Draft EIR for LA Metro. Worked with Regional Consultant on revised schedule and budget to include BNSF "East of Fullerton" analysis and integration into the draft EIR/EIS. Proposed new Record of Decision date of November 2021 was approved by the Authority; this date will comply with the ARRA grant deadline of December 2022. | <ul style="list-style-type: none"> Continue coordination with Metro, Metrolink and other operators on LA Union Station Program and shared corridor strategies. Continue coordination with BNSF. |
| 6 Burbank to LA | <ul style="list-style-type: none"> Submitted comment letter on Burbank Airport Terminal Replacement EIS to the Federal Aviation Administration. Continued internal reviews of Administrative Draft EIR/EIS. Continued review of draft PEPD addendum submittal for Burbank Station Refined B alternative. | <ul style="list-style-type: none"> Continue internal Authority reviews (backchecks) of administrative draft EIR/EIS to resolve comments. |
| 7 Palmdale to Burbank | <ul style="list-style-type: none"> Progressing Checkpoint B document to address USACE and EPA comments. Completed draft PEPD documents. Preparing sections of administrative draft EIR/EIS. | <ul style="list-style-type: none"> Continue coordination with USACE and EPA on Checkpoint B. Submit revised draft PEPD to FRA to incorporate changes in project definition. Prepare compiled administrative draft EIR/EIS for NEPA/CEQA and Legal review in May 2019. |
| 8 Bakersfield to Palmdale | <ul style="list-style-type: none"> Provided administrative draft EIR/EIS for cooperating agency reviews on April 25. Received comments of Section 106 Finding of Effect (FOE) document. Continued coordinating responses. | <ul style="list-style-type: none"> Progress consultation with the Cesar Chavez National Monument (CCNM) and other consulting parties to finalize alignment options. |
| HMF | <ul style="list-style-type: none"> Environmental clearance approach on hold. Environmental screening criteria and clearance approach still under discussion. | <ul style="list-style-type: none"> Assess schedule performance once screening criteria and environmental clearance approach are finalized. |

1. Text identified in red indicate change from previous month.

2. Previously referred to as the Bakersfield F Street Section Alignment.

Global Project Development Budget includes activities involved in the scope at the program and segment levels

Cost Categories for Scope and Budget Definition



Cost Categories

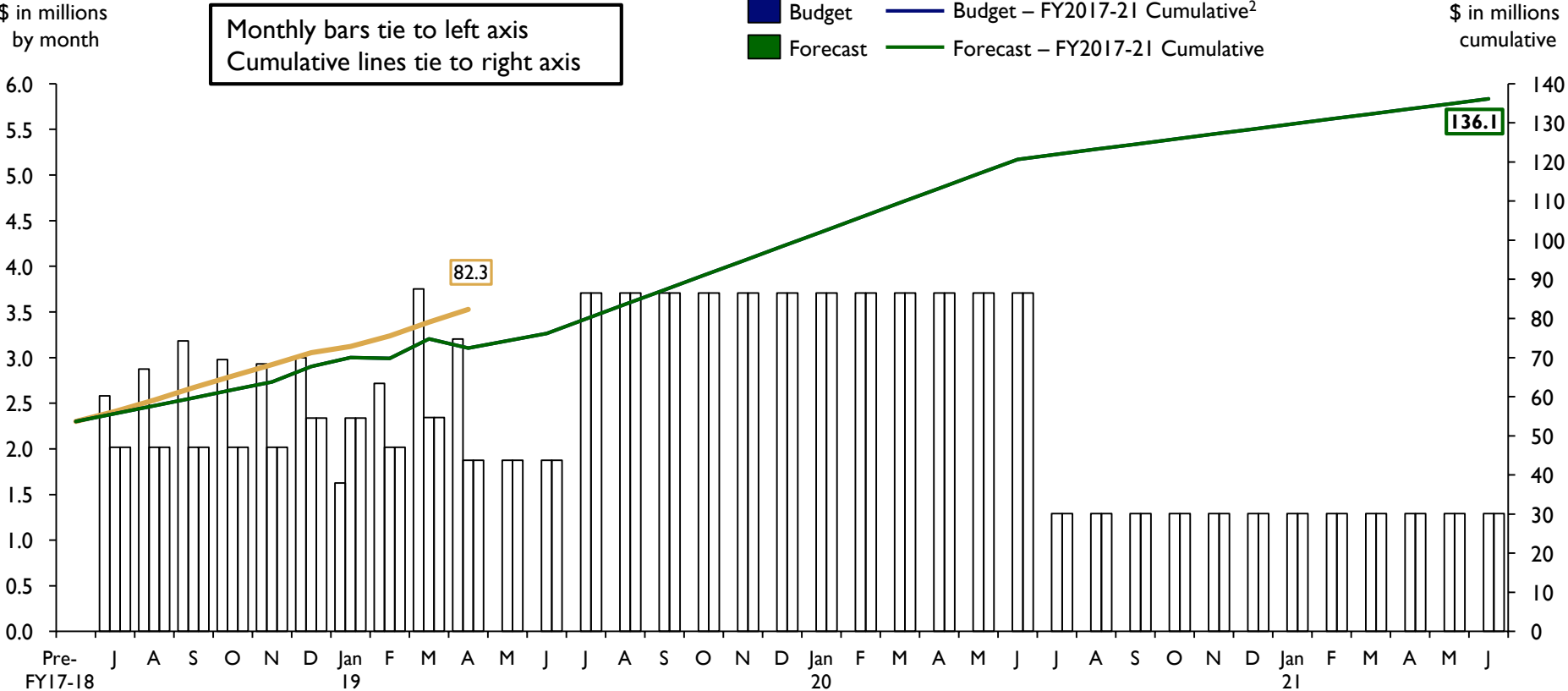
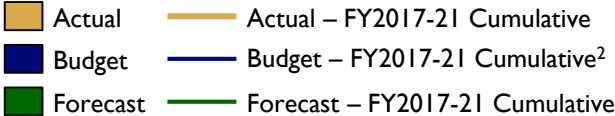
- **Regional consultants'** and Engineering and Environmental consultants' costs include project management, outreach, planning, engineering and environmental activities.
- **RDP costs** include environmental management, coordination, and technical reviews.
- **Environmental Services Division costs** reflect management and staff costs for overseeing project development program delivery.
- **Environmental agency costs** are costs for agency staff to attend meetings, review technical reports, and provide technical guidance.
- **Internal, External Legal costs** are costs associated with in-house and outside legal reviews.

Notes:

- 1) August 2018 reporting update reflected the reallocation of costs to more clearly distinguish between Regional Consultants and Program Costs which include categories identified in gray.
- 2) Program and Project Mitigation Budgets and Forecasts are included within the ROW Construction Budget (refer to Total ROW Expenditure by Month slide).

Program Level Budget (Non-Section Specific Costs)¹

Monthly bars tie to left axis
Cumulative lines tie to right axis



- Notes:
- 1) Based on actual costs and future estimates for the Authority environmental staff, RDP Environmental, in-house and external legal review and resource agency staffing agreements and review.
 - 2) Cumulative Budget line is same as Forecast line, thus hidden.
 - 3) A new workplan was implemented beginning October 15, 2018 and extends through June 2020.
 - 4) Program forecasts have been updated for July 1, 2018 through March 2021 when the last project-level EIR/EIS is to be completed.

Project Development Schedule (to ROD)-Information through April 30, 2019¹

| Segment | Progress | Complete Purpose & Need Statement | | Complete Alternatives Analysis | | Board Concurrence of Preliminary Preferred Alternative for Draft EIR/EIS | | Publish Draft EIR/EIS | | Publish Final EIS and Obtain ROD | | Date EIR/EIS To Be Completed | |
|---------------------------------------|--------------------------|-----------------------------------|---------------|--------------------------------|---------------|--|---------------|--------------------------------------|---|-----------------------------------|-----------------------------------|------------------------------|------------------|
| | | Last Month | Current Month | Last Month | Current Month | Last Month | Current Month | Last Month | Current Month | Last Month | Current Month | Original Target | Revised Target |
| ✓ Merced to Fresno | Plan Forecast % Complete | Complete 100% | Complete 100% | Complete 100% | Complete 100% | Complete 100% | Complete 100% | Complete 100% | Complete 100% | Complete 100% | Complete 100% | Complete 100% | Complete 100% |
| ✓ Fresno to Bakersfield | Plan Forecast % Complete | Complete 100% | Complete 100% | Complete 100% | Complete 100% | Complete 100% | Complete 100% | Complete 100% | Complete 100% | Complete 100% | Complete 100% | Complete 100% | Complete 100% |
| ✓ CV Electrical Interconnections | Plan Forecast % Complete | Complete 100% | Complete 100% | Complete 100% | Complete 100% | Complete 100% | Complete 100% | Complete 100% | Complete 100% | Complete 100% | Complete 100% | Complete 100% | Complete 100% |
| 1 San Francisco to San Jose | Plan Forecast % Complete | Complete 100% | Complete 100% | Complete 100% | Complete 100% | Dec-19 74% | Sep-19 80% | Mar-20 27% | Mar-20 35% | Mar-21 0% | Mar-21 0% | Mar-21 | Mar-21 |
| 2 San Jose to Merced | Plan Forecast % Complete | Complete 100% | Complete 100% | Complete 100% | Complete 100% | Sep-19 82% | Sep-19 85% | Dec-19 35% | Dec-19 38% ² | Nov-20 0% | Nov-20 0% | Nov-20 | Nov-20 |
| 3 Central Valley Wye (M-F) | Plan Forecast % Complete | Complete 100% | Complete 100% | Complete 100% | Complete 100% | Complete 100% | Complete 100% | Sep-18 Apr-19 ² 98% | Sep-18 May-19 ² 99% ² | Jul-19 TBD ² 0% | Jul-19 TBD ² 0% | Jul-19 | TBD ² |
| 4 Locally Generated Alternative (F-B) | Plan Forecast % Complete | Complete 100% | Complete 100% | Complete 100% | Complete 100% | Complete 100% | Complete 100% | Complete 100% | Complete 100% | Oct-18 TBD ⁴ 89% | Oct-18 TBD ⁴ 89% | Oct-18 | TBD ⁴ |
| 5 LA to Anaheim | Plan Forecast % Complete | Complete 100% | Complete 100% | Complete 100% | Complete 100% | Complete 100% | Complete 100% | Nov-18 TBD ⁵ 85% | Nov-18 TBD ⁵ 85% | Oct-19 TBD ⁵ 0% | Oct-19 TBD ⁵ 0% | Oct-19 | TBD ⁵ |
| 6 Burbank to LA | Plan Forecast % Complete | Complete 100% | Complete 100% | Complete 100% | Complete 100% | Complete 100% | Complete 100% | Sep-19 68% | Sep-19 69% | Jul-20 0% | Jul-20 0% | Jul-20 | Jul-20 |
| 7 Palmdale to Burbank | Plan Forecast % Complete | Complete 100% | Complete 100% | Complete 100% | Complete 100% | Complete 100% | Complete 100% | Dec-19 61% | Dec-19 62% | Jan-21 0% | Jan-21 0% | Jan-21 | Jan-21 |
| 8 Bakersfield to Palmdale | Plan Forecast % Complete | Complete 100% | Complete 100% | Complete 100% | Complete 100% | Complete 100% | Complete 100% | Jul-19 80% | Jul-19 82% | Jun-20 0% | Jun-20 0% | Jun-20 | Jun-20 |
| | % Complete | 100% | 100% | 100% | 100% | 0% | 0% | 0% | Sep-16 TBD 0% | May-17 TBD 0% | May-17 TBD 0% | May-17 | TBD |

Notes:

- Dates identified in red indicate change from previous month. Red bordered cells indicate schedule risks. The Authority is in communication with FRA about NEPA assignment and is evaluating options. Green cells indicates that the EIR/EIS or other milestone has been completed.
- Draft EIR not released in September. Delays will have day to day impacts on the CVY ROD schedule. The Authority is currently evaluating options and risks associated with these delays.
- Number is the average % complete of administrative (internal) draft DEIR/EIS and actual DEIR/EIS to be published.
- EIR approval has since been split from EIS and was completed in Oct 2018. The Board certified the Final Supplemental EIR and approved the project. The Authority is awaiting engagement by the FRA on NEPA to advance and complete the ROD.
- Release date to be modified based on discussion with Executive Management.

 Program Priority #  Completed Document

Project Development Schedule (to ROD) - Information through April 30, 2019¹

Segment Overview

| Segment | Schedule Status and Mitigation Strategies |
|---------------------------------------|---|
| ✓ Merced to Fresno | EIR certified and project approved May 2012; FRA ROD issued September 2012 |
| ✓ Fresno to Bakersfield | EIR certified and project approved May 2014; FRA ROD issued June 2014 Supplemental EIR certified and locally generated alternative approved October 2018 |
| ✓ CV Electrical Interconnections | Environmental Evaluation Has Been Completed Using an environmental re-examination process, it was determined that the electrical interconnection and network upgrades for PG&E sites 8 through 12 supporting the test track do not require preparation of a supplemental environmental document. As a result, the environmental review has been completed, shaving a year off the schedule. |
| 1 San Francisco to San Jose | Schedule updated consistent with June 2018 Board-approved baseline to achieve ROD in March 2021. |
| 2 San Jose to Merced | Schedule updated consistent with June 2018 Board-approved baseline to achieve ROD in November 2020. |
| 3 Central Valley Wye (M-F) | Delay in Publishing Draft EIR/EIS. Rationale for schedule impact: Delay in NEPA Assignment prevents circulation of Draft EIS. Consequence: Executive Management has decided to release the CVY Draft Supplemental EIR/EIS under a CEQA-First strategy. Mitigation: The Authority will proceed with releasing the Draft EIR/EIS under the California Environmental Quality Act (CEQA) to advance the environmental review. The Authority is currently evaluating options and risks associated with the delays to NEPA and issuance of a Record of Decision (ROD). |
| 4 Locally Generated Alternative (F-B) | Delay in Publishing Final Supplemental EIS Rationale for schedule impact: Delay in NEPA Assignment prevents publication of Final Supplemental EIS. Consequence: A date for publication of the Final Supplemental EIS is still under discussion with Executive Management Mitigation: The Authority changed the progress reporting requirements for this project section to bi- |
| 5 LA to Anaheim | Delay in Publishing Draft EIR/EIS. Rational for schedule impact: there is a need to respond to stakeholder issues that will require modification of the environmental document. Consequence: A date for publication of the Draft EIR/EIS is still under discussion with Executive Management. Mitigation: The schedule continues to be reviewed to identify opportunities for compressing activities and other efficiencies. |
| 6 Burbank to LA | Schedule updated consistent with June 2018 Board-approved baseline to achieve ROD in July 2020. |
| 7 Palmdale to Burbank | Schedule consistent with June 2018 Board-approved baseline to achieve ROD in January 2021. |
| 8 Bakersfield to Palmdale | Schedule consistent with June 2018 Board-approved baseline to achieve ROD in June 2020. |
| HMF | Environmental clearance approach on hold and under review; dates are subject to change pending Authority decision regarding site screening criteria and type of environmental clearance documentation needed. |

Note:

1. Text identified in green indicates environmental document completed. Text identified in red indicate change from previous month.

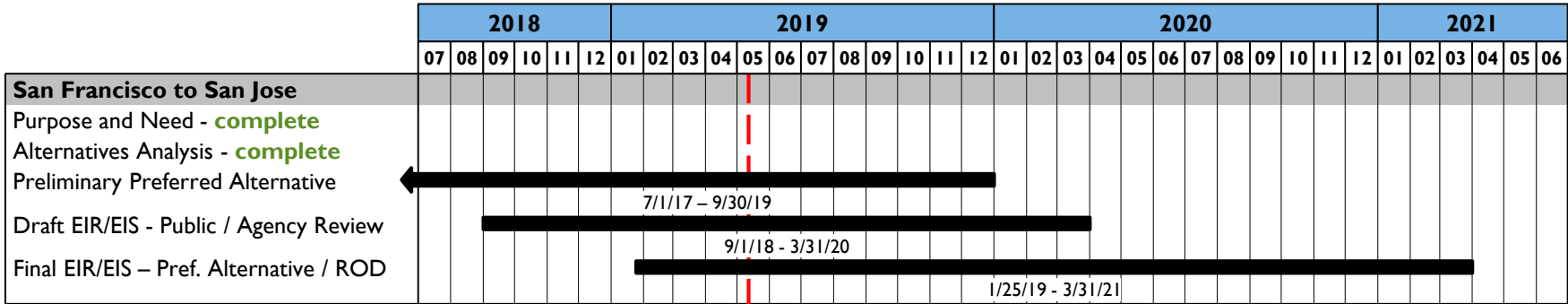


Program
Priority #

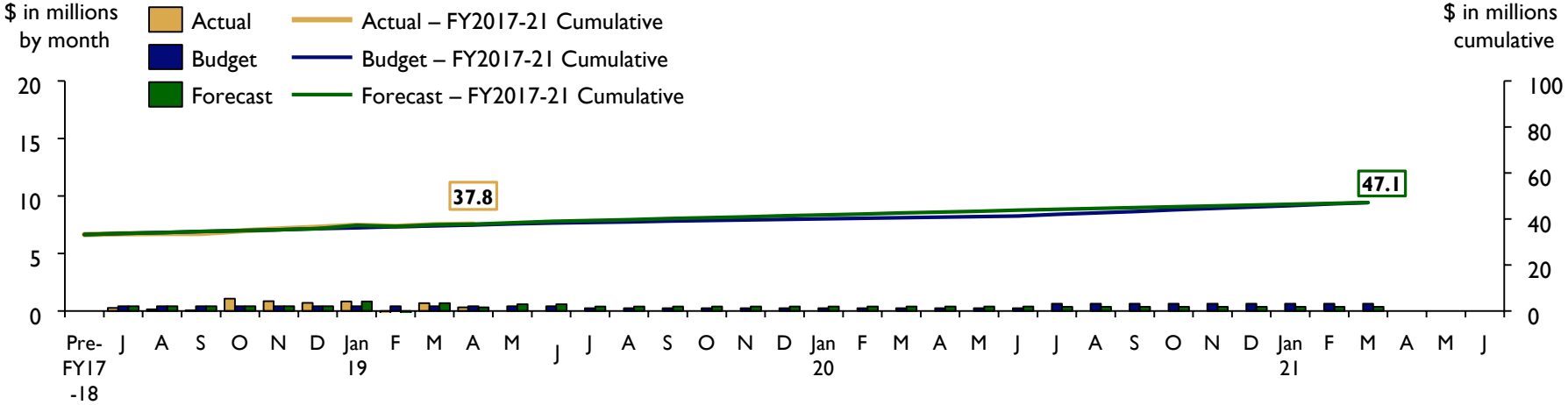


Completed
Document

San Francisco to San Jose

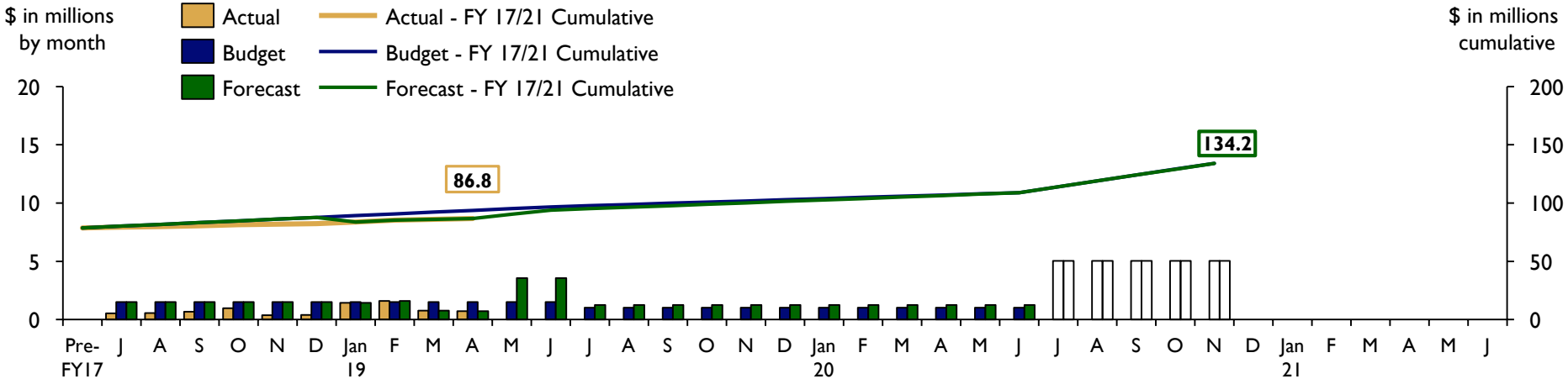
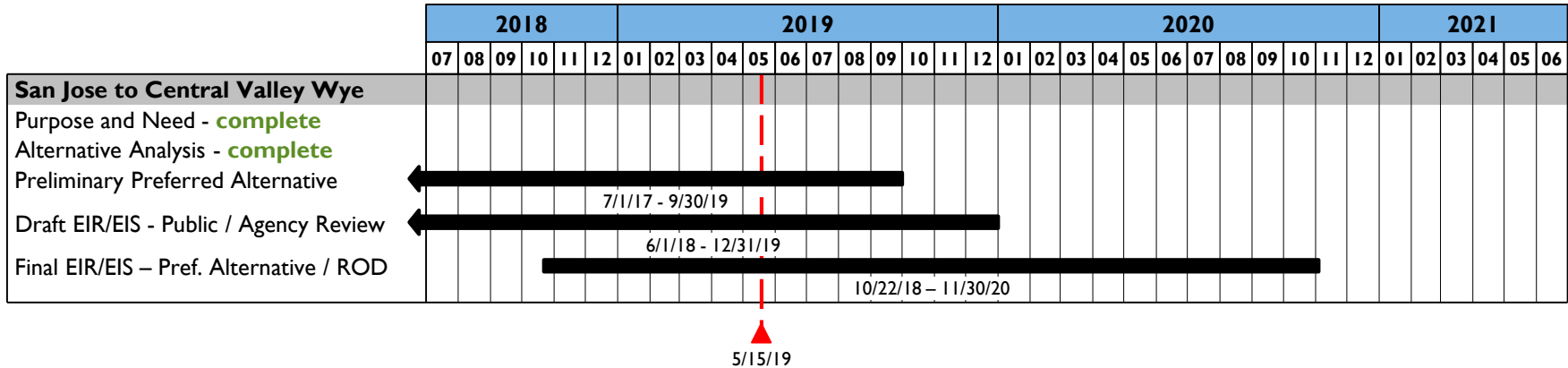


5/15/19



- Notes:
- 1) All estimates are preliminary and subject to change.
 - 2) For financial estimates, actuals have been updated through April 2019. Forecast cost are through June 2021.
 - 3) Budget and Forecast have been updated to reflect the revised ROD date changes. Note that for this report, the budget and forecast are identical.

2 San Jose to Merced

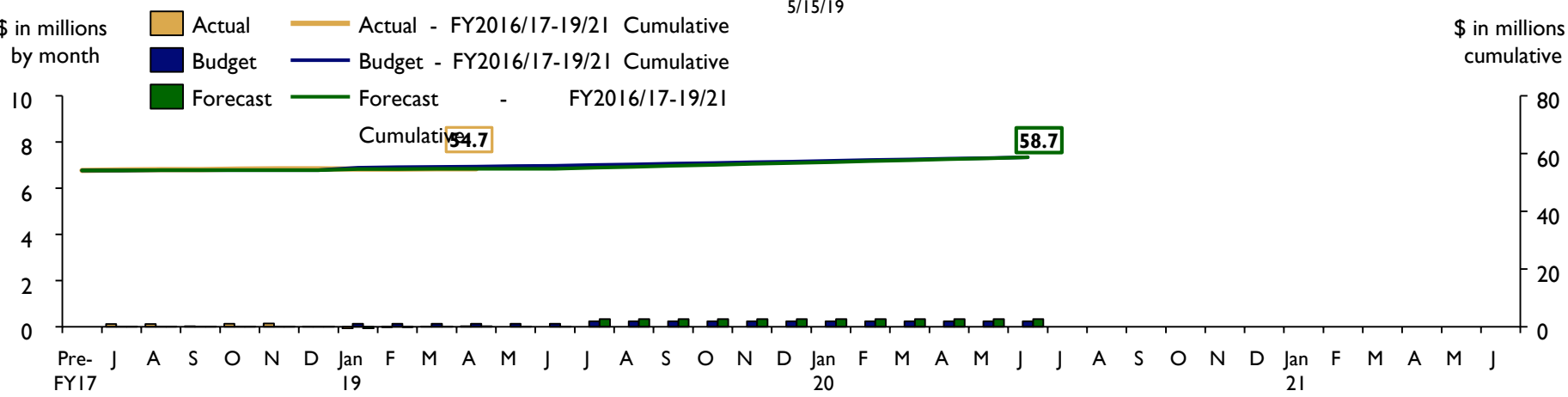
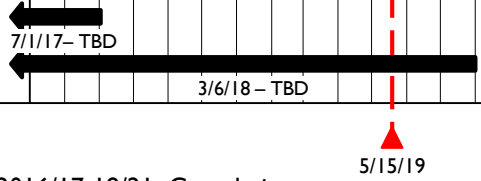


Notes:

- 1) All estimates are preliminary and subject to change.
- 2) For financial estimates, actuals have been updated through April 2019. Forecast cost are through June 2021.
- 3) Budget and Forecast have been updated to reflect the revised ROD date changes. Note that for this report, the budget and forecast are identical.

3 Central Valley Wye (M-F)

| | 2018 | | | | | | | | | | | | 2019 | | | | | | | | | | | | 2020 | | | | | | | | | | | | 2021 | | | | | | | | | | | |
|--|------|----|----|----|----|----|----|----|----|----|----|----|------|----|----|----|----|----|----|----|----|----|----|----|------|----|----|----|----|----|----|----|----|----|----|----|------|--|--|--|--|--|--|--|--|--|--|--|
| | 07 | 08 | 09 | 10 | 11 | 12 | 01 | 02 | 03 | 04 | 05 | 06 | 07 | 08 | 09 | 10 | 11 | 12 | 01 | 02 | 03 | 04 | 05 | 06 | 07 | 08 | 09 | 10 | 11 | 12 | 01 | 02 | 03 | 04 | 05 | 06 | | | | | | | | | | | | |
| Central Valley Wye | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Purpose and Need – complete | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Alternative Analysis – complete Preliminary | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Preferred Alternative - complete Draft | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| SEIR/SEIS - Public / Agency Review | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Final SEIR/SEIS – Pref. Alternative/ROD | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |

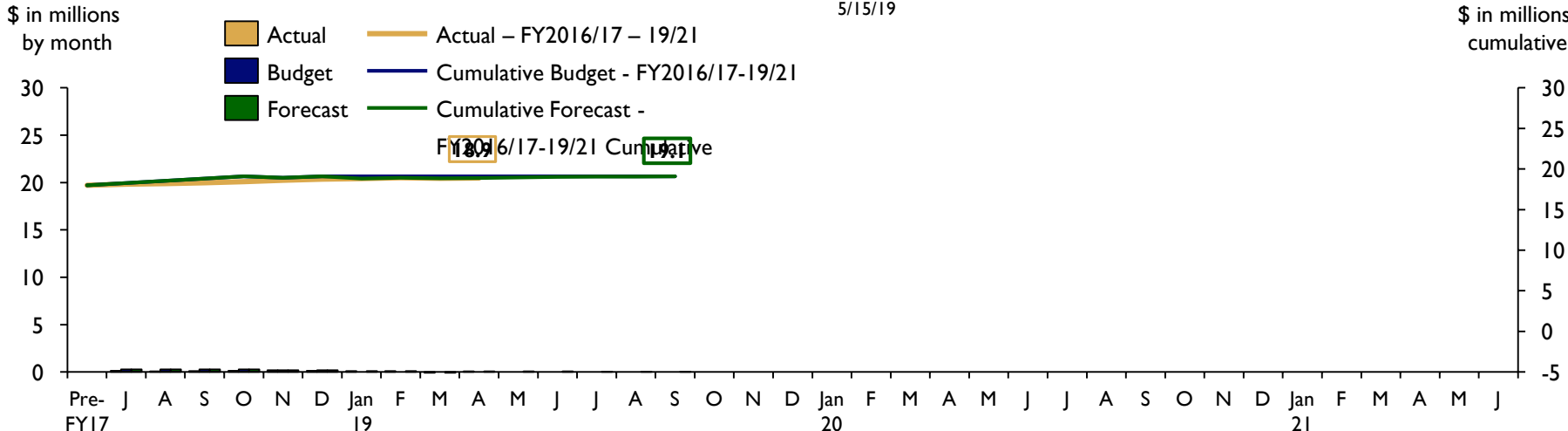


- Notes:
- 1) All estimates are preliminary and subject to change.
 - 2) Purpose and Need and the Alternatives Analysis were achieved as part of the Merced to Fresno EIR/EIS, completed in September 2012.
 - 3) For financial estimates, actuals have been updated through April 2019. Forecast cost are through June 2021.
 - 4) The Authority will proceed with releasing the Draft EIR/EIS under the State authority under the California Environmental Quality Act (CEQA) under a CEQA-first strategy to advance the environmental review. The Authority is currently evaluating options and risks associated with the delays to NEPA and the Record of Decision (ROD).

4 Locally Generated Alternative (F-B)

| | 2018 | | | | | | | | | | | | 2019 | | | | | | | | | | | | 2020 | | | | | | | | | | | | 2021 | | | | | | | | | | | | | | | | | | | | | | | |
|--|------------------|----|----|----|----|----|----|----|----|----|----|----|------|----|----|----|----|----|----|----|----|----|----|----|------|----|----|----|----|----|----|----|----|----|----|----|------|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|
| | 07 | 08 | 09 | 10 | 11 | 12 | 01 | 02 | 03 | 04 | 05 | 06 | 07 | 08 | 09 | 10 | 11 | 12 | 01 | 02 | 03 | 04 | 05 | 06 | 07 | 08 | 09 | 10 | 11 | 12 | 01 | 02 | 03 | 04 | 05 | 06 | | | | | | | | | | | | | | | | | | | | | | | | |
| Bakersfield F Street Alignment | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Purpose and Need – complete | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Alternative Analysis – complete | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Preliminary Preferred Alternative – complete Draft | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| SEIR/SEIS - Public / Agency Review - complete Final | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| SEIR/SEIS – Pref. Alt./ROD | ← 11/10/17 - TBD | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |

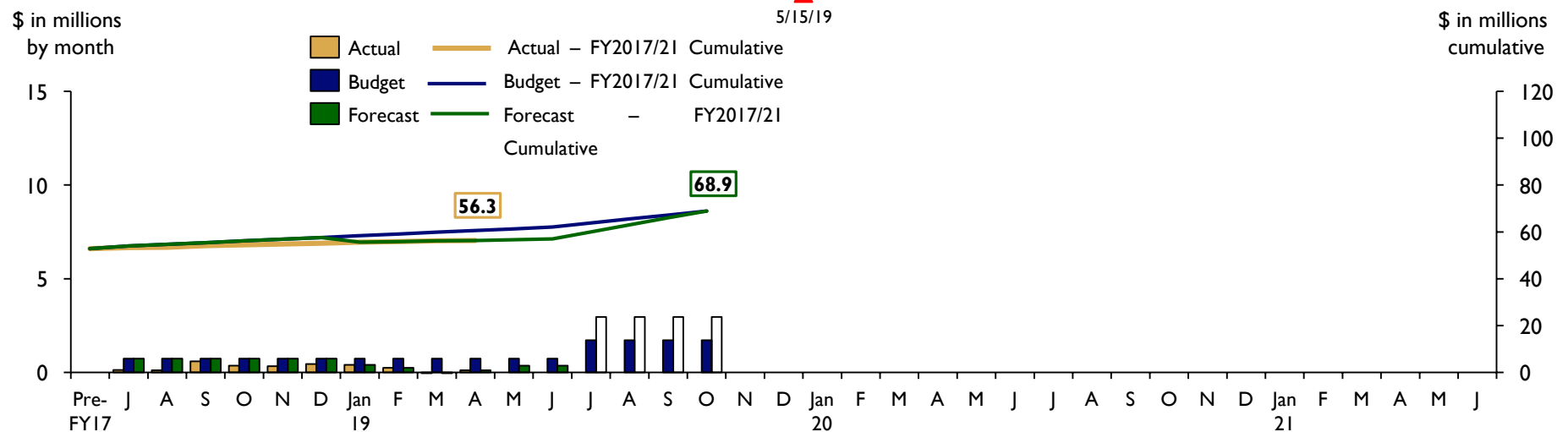
5/15/19



- Notes:
- 1) All estimates are preliminary and subject to change.
 - 2) Purpose and Need and the Alternatives Analysis were achieved as part of the Fresno to Bakersfield EIR/EIS, completed in June 2014.
 - 3) For financial estimates, actuals have been updated through April 2019. Forecast cost are through June 2021.
 - 4) CEQA NOD was delivered in October 2018, while NEPA ROD is awaiting NEPA assignment / FRA for ROD.

5 LA to Anaheim

| | 2018 | | | | | 2019 | | | | | | 2020 | | | | | | 2021 | | | | | | | | | | | | | | | | | | |
|--|-----------------|----|----|----|----|------|----|----|----|----|----|------|----|----|----|----|----|------|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|
| | 07 | 08 | 09 | 10 | 11 | 12 | 01 | 02 | 03 | 04 | 05 | 06 | 07 | 08 | 09 | 10 | 11 | 12 | 01 | 02 | 03 | 04 | 05 | 06 | 07 | 08 | 09 | 10 | 11 | 12 | 01 | 02 | 03 | 04 | 05 | 06 |
| LA to Anaheim | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Purpose and Need – complete | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Alternative Analysis – complete Preliminary | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Preferred Alternative – complete Draft EIR/ EIS - Public / Agency Review | ← 3/15/18 - TBD | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Final EIR/EIS – Pref. Alternative/ROD | ← 5/21/18 - TBD | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |



- Notes:
- 1) All estimates are preliminary and subject to change.
 - 2) For financial estimates, actuals have been updated through April 2019. Forecast cost are through June 2021.
 - 3) Budget and Forecast have been updated to reflect the revised ROD date changes.
 - 4) Release date to be modified based on discussion with Executive Management.

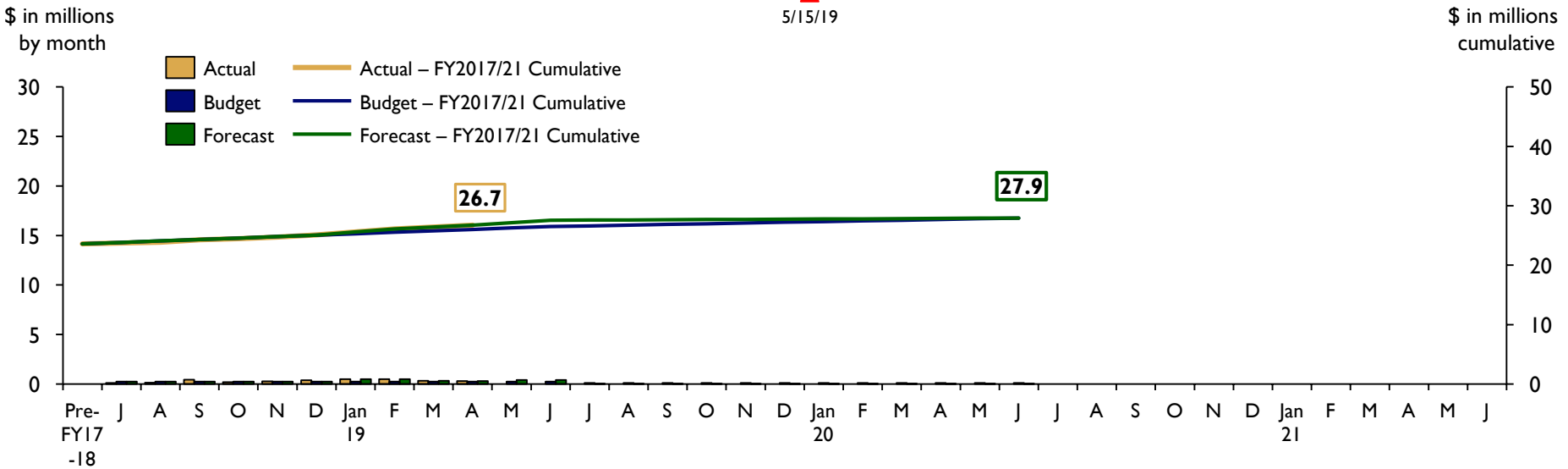
6 Burbank to LA

| | 2018 | | | | | 2019 | | | | | 2020 | | | | | 2021 | | | | | | | | | | | | | | | | | | | | |
|--|------|----|----|----|----|------|----|----|----|----|------|----|----|----|----|------|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|
| | 07 | 08 | 09 | 10 | 11 | 12 | 01 | 02 | 03 | 04 | 05 | 06 | 07 | 08 | 09 | 10 | 11 | 12 | 01 | 02 | 03 | 04 | 05 | 06 | 07 | 08 | 09 | 10 | 11 | 12 | 01 | 02 | 03 | 04 | 05 | 06 |
| Burbank to LA | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Purpose and Need – complete | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Alternative Analysis – complete Preliminary Preferred Alternative – complete Draft EIR/ EIS - Public / Agency Review | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Final EIR/EIS – Pref. Alternative/ROD | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |

3/15/18 - 9/30/19

5/31/18 - 7/31/20

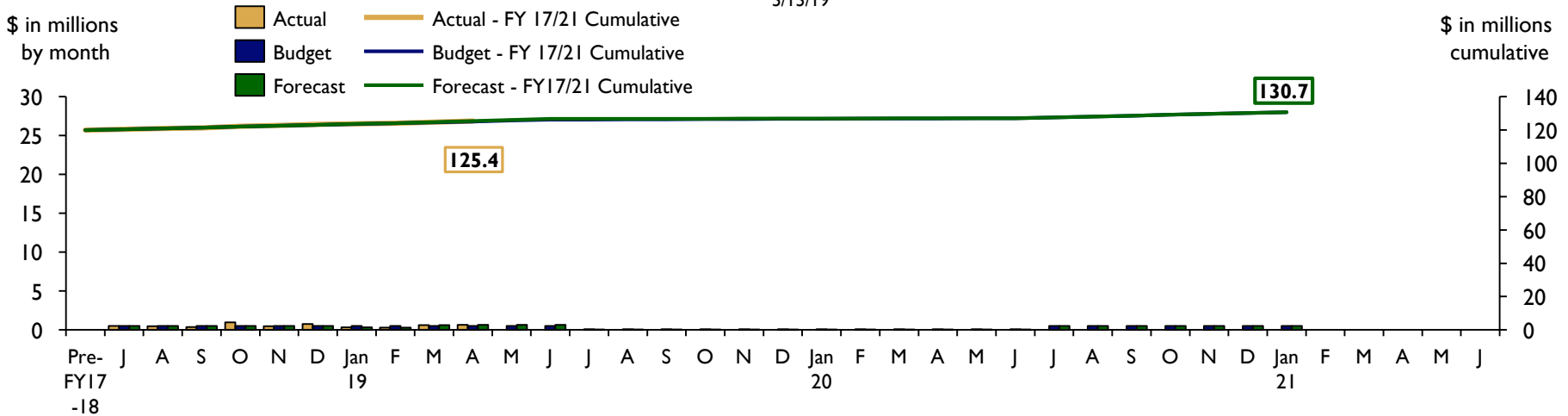
5/15/19



- Notes:
- 1) All estimates are preliminary and subject to change.
 - 2) For financial estimates, actuals have been updated through April 2019. Forecast cost are through June 2021.
 - 3) Budget and Forecast have been updated to reflect the revised ROD date changes. Note that for this report, the budget and forecast are identical.

7 Palmdale to Burbank

| | 2018 | | | | | 2019 | | | | | | 2020 | | | | | | 2021 | | | | | | | | | | | | | | | | | | |
|--|---|----|----|----|----|------|----|----|----|----|----|------|----|----|----|----|----|------|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|
| | 07 | 08 | 09 | 10 | 11 | 12 | 01 | 02 | 03 | 04 | 05 | 06 | 07 | 08 | 09 | 10 | 11 | 12 | 01 | 02 | 03 | 04 | 05 | 06 | 07 | 08 | 09 | 10 | 11 | 12 | 01 | 02 | 03 | 04 | 05 | 06 |
| Palmdale to Burbank | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Purpose and Need – complete | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Alternative Analysis – complete Preliminary | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Preferred Alternative – complete Draft EIR/ EIS - Public / Agency Review | ← | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Final EIR/EIS – Preferred Alternative/ROD | <div style="display: flex; justify-content: space-between;"> 4/12/18 - 12/31/19 10/23/18 - 1/31/21 </div> | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |



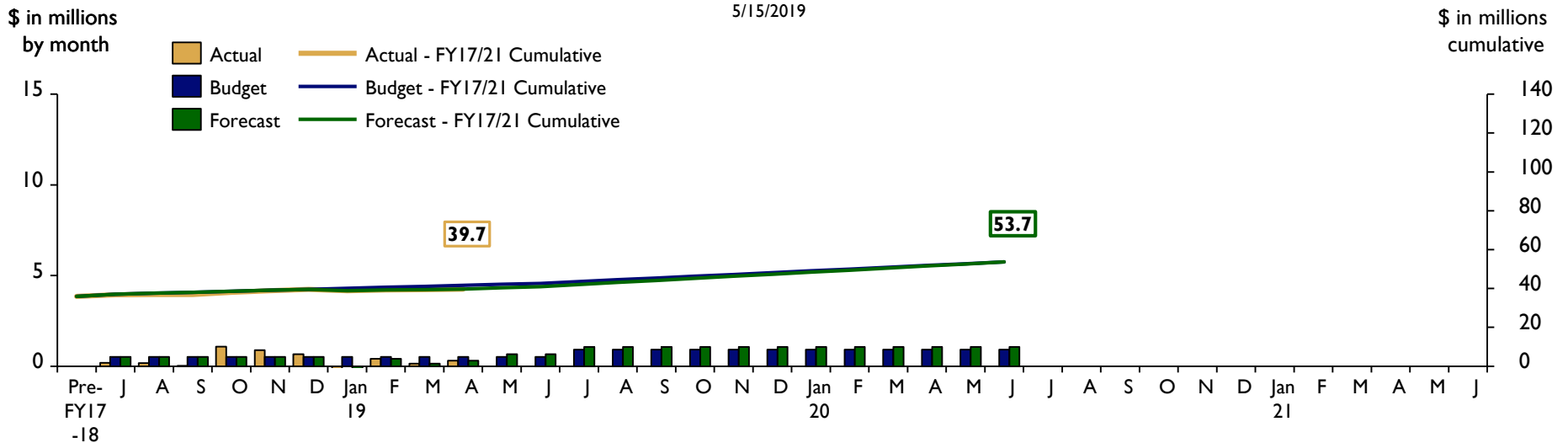
Notes:

- 1) All estimates are preliminary and subject to change.
- 2) For financial estimates, actuals have been updated through April 2019. Forecast cost are through June 2021.
- 3) Budget and Forecast have been updated to reflect the revised ROD date changes. Note that for this report, the budget and forecast are identical.

8 Bakersfield to Palmdale

| | 2018 | | | | | 2019 | | | | | | 2020 | | | | | | 2021 | | | | | | | | | | | | | | | | | | |
|--|-------------------|----|----|----|----|------|----|----|----|----|------------------|------|----|----|----|----|----|------|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|--|
| | 07 | 08 | 09 | 10 | 11 | 01 | 02 | 03 | 04 | 05 | 06 | 07 | 08 | 09 | 10 | 11 | 12 | 01 | 02 | 03 | 04 | 05 | 06 | 07 | 08 | 09 | 10 | 11 | 12 | 01 | 02 | 03 | 04 | 05 | 06 | |
| Bakersfield to Palmdale | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Purpose and Need – complete | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Alternative Analysis – complete | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Pre. Preferred Alternative – complete | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Draft EIR/EIS - Public / Agency Review | ← | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Final EIR/EIS – Pref. Alternative ROD | ← | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| | 3/15/18 - 7/31/19 | | | | | | | | | | 6/2/18 - 6/30/20 | | | | | | | | | | | | | | | | | | | | | | | | | |

5/15/2019



Notes:

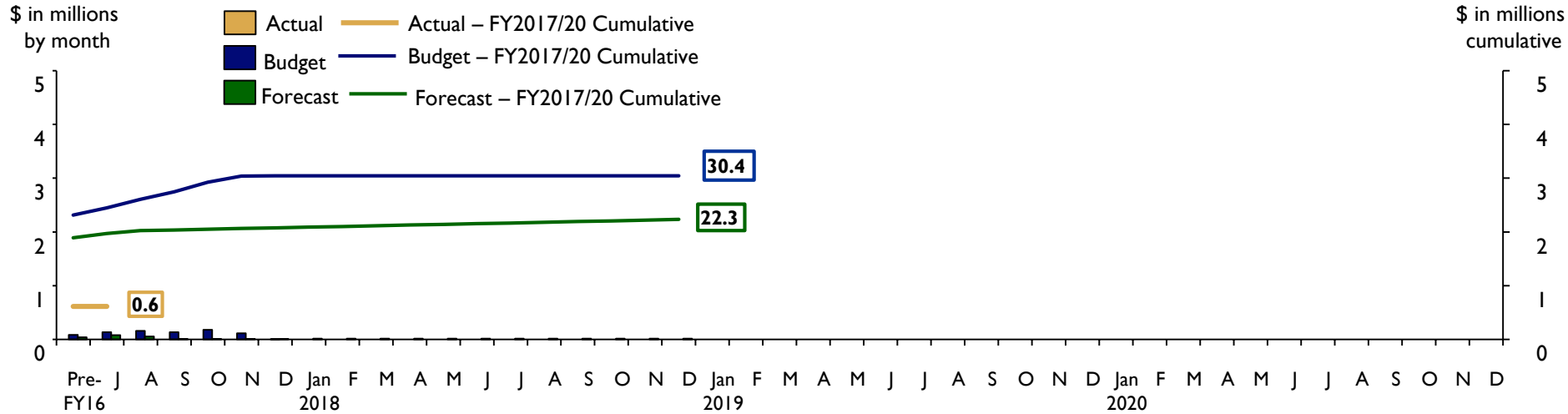
- 1) All estimates are preliminary and subject to change.
- 2) For financial estimates, actuals have been updated through April 2019. Forecast cost are through June 2021.
- 3) Budget and Forecast have been updated to reflect the revised ROD date changes. Note that for this report, the budget and forecast are identical.

Heavy Maintenance Facility¹

| | 2017 | | | | | 2018 | | | | | 2019 | | | | | 2020 | | | | | | | | | | | | | | | | |
|---|------|----|----|----|----|------|----|----|----|----|------|----|----|----|----|------|----|----|----|----|----|----|----|----|----|----|----|----|----|----|--|--|
| | 07 | 08 | 09 | 10 | 11 | 12 | 01 | 02 | 03 | 04 | 05 | 06 | 07 | 08 | 09 | 10 | 11 | 12 | 01 | 02 | 03 | 04 | 05 | 06 | 07 | 08 | 09 | 10 | 11 | 12 | | |
| Heavy Maintenance Facility | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Purpose and Need – complete | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Alternatives Analysis – complete | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Preliminary Preferred Alternative | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Draft EIR/EIS - Public / Agency Review | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Final EIR/EIS – Pref. Alternative/ROD | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |

Dates to be Determined

5/15/19



Notes:

- 1) Environmental clearance approach on hold and under review.
- 2) All estimates are preliminary and subject to change.
- 3) Budget and Forecast have not been updated to reflect the revised ROD date changes.

Four-month look ahead - milestones and other key deliverables, all sections/projects: *Information through April 30, 2019¹*

| | Milestone | Project Section | Due Date | % Completion | Status |
|---|---|-------------------------------------|-------------|--------------|---|
| 1 | Obtain Checkpoint B concurrence from USACE and USEPA | San Francisco to San Jose | May 2019 | 80% | Delay generated by need to provide a more detailed discussion of the Light Maintenance Facility project element. Delay does not affect overall schedule. |
| 2 | Prepare administrative draft EIR/EIS for Authority's legal and technical review | San Jose to Merced | May 2019 | 95% | Complete administrative draft EIR/EIS due for Authority internal review May 8, 2019. |
| 2 | Preliminary Engineering for Project Definition (PEPD) | San Jose to Merced | March 2019 | 99% | Record Set PEPD submitted March 8, 2019 and validation review complete. Final PEPD due for delivery in May 2019. |
| 3 | Publish draft Supplemental EIR/EIS for public review | Central Valley Wye (M-F) | April 2019 | 99% | CVY Draft Supplemental EIR/EIS will be released May 3, 2019 for public comment under CEQA-first strategy. |
| 4 | Submit for review an administrative final Supplemental EIS | Locally Generated Alternative (F-B) | April 2019 | 89% | Federal cooperating agencies are reviewing the draft Final Supplemental EIS. |
| 4 | Prepare Final EIS for publication | Locally Generated Alternative (F-B) | TBD | 89% | Delay in NEPA Assignment causes a delay in achieving Record of Decision. |
| 5 | Prepare administrative draft EIR/EIS for Authority's legal and technical review | Los Angeles to Anaheim | August 2018 | 96% | The administrative draft EIR/EIS was accomplished. However, publication encountering delays because of need to respond to BNSF that requires modification to draft EIR/EIS. |

Notes:

1. Text and dates identified in red indicate change from previous month.

1 Program Priority #

Four-month look ahead - milestones and other key deliverables, all sections/projects: *Information through April 30, 2019¹*

| Milestone | Project Section | Due Date | % Completion | Status |
|--|-------------------------|-------------|--------------|--|
| 6 Prepare administrative draft EIR/EIS for Authority's legal and technical review | Burbank to Los Angeles | March 2019 | 91% | Administrative draft EIR/EIS was submitted in March for Environmental Services' and Legal review. Comment response workshops on the administrative draft EIR/EIS were held in April. |
| 7 Obtain Checkpoint B concurrence from USACE and USEPA | Palmdale to Burbank | August 2019 | 70% | Delayed. Addressing feedback received from USACE and USEPA. |
| 8 Publish Draft EIR/EIS for public and agency circulation | Bakersfield to Palmdale | July 2019 | 78% | Administrative draft EIR/EIS undergoing Finishing Team Review. |

Note:

I. Text and dates identified in **red** indicate change from previous month.



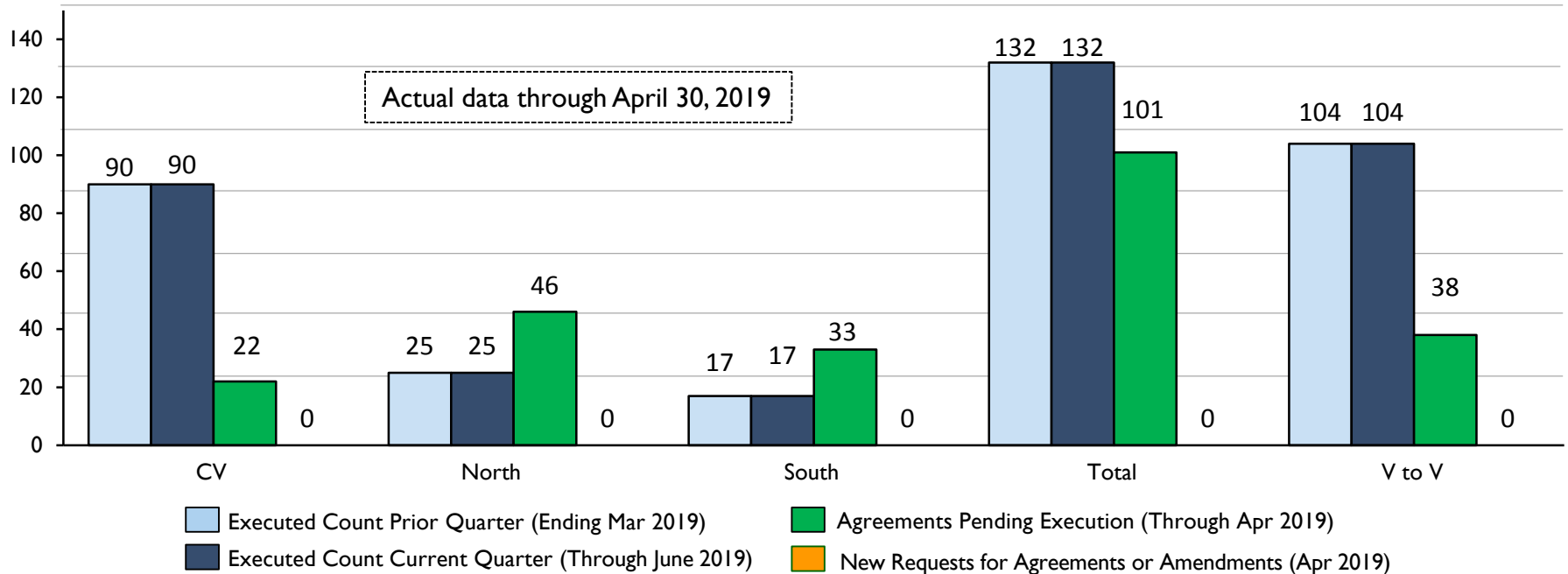
Program Priority #

Agenda

- ▶ Operations Report Metrics
 - Executive Summary
 - Right-of-Way (ROW)
 - Project Development
 - Third Party Agreements
 - Contract Management
 - Finance/Budget
 - ARRA State Match Schedule
 - Risk

Central Valley, North, South, and Valley to Valley Executed and Unexecuted Agreements

Total Executed/Unexecuted Agreements
(in number of agreements)

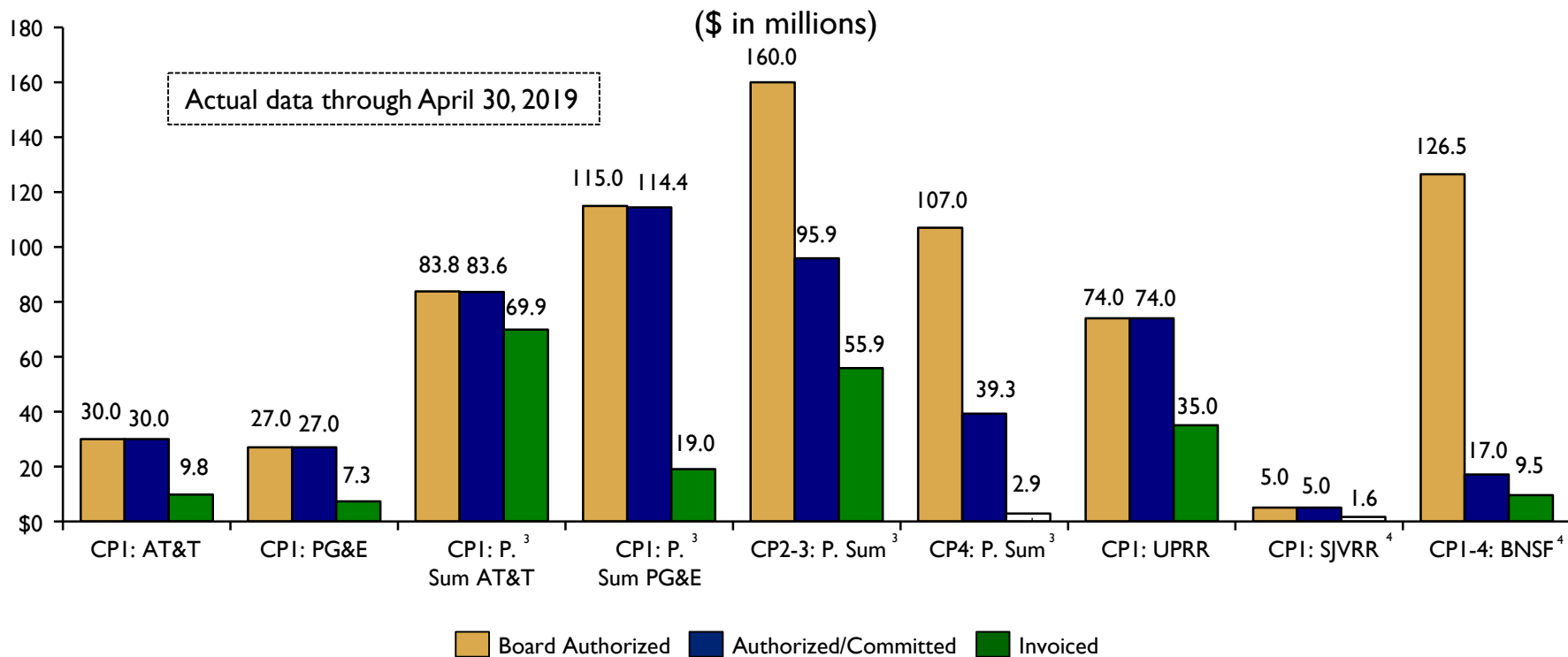


Notes:

1. Central Valley, North and South total counts include Master/Cooperative Agreements and Reimbursement Agreements for environmental coordination and project development only.
2. Valley to Valley count is a subset of the agreements already represented.
3. The count for unexecuted agreements may change regularly due to changes in alignments; new information as investigations continue; agreements being combined; mergers, acquisitions, spin-offs, and other transactions; identification of different legal entities as asset owners and operators; etc.

AT&T, PG&E, Level 3, & Railroads

Current Invoiced Amounts, Authorized/Committed Amounts, and Board Authorized Amounts



Notes:

1. Third Party Agreements are agreements that enable the design and construction of the CA High-Speed Rail System. These agreements are for the relocation, modification, reconstruction, and/ or protection of utilities, irrigation facilities, and roadways that are in physical conflict with the proposed alignment.
2. Amounts shown for each Third Party agreement are inclusive of funds shown in both the project budget and Third Party budget line items.
3. Amounts expended by the DB's for this work will be reported as received.
4. \$5 million of SJVRR and BNSF agreements are both part of CEO delegated authority and not separate board items.

Agenda

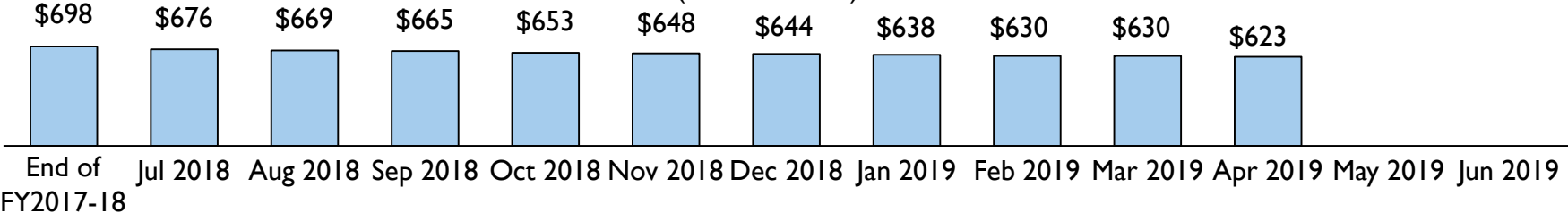
- ▶ Operations Report Metrics
 - Executive Summary
 - Right-of-Way (ROW)
 - Project Development
 - Third Party Agreements
 - Contract Management
 - Finance/Budget
 - ARRA State Match Schedule
 - Risk

Contract Management Metrics - Context

- ▶ There are 2 contract management metrics included:
 - Contingency Value
 - This value is based on remaining contingency as a percentage of the remaining contract balance.
 - Expenditure Schedule
 - Earned Value (EV) = Approved Invoices to Date.
 - Planned Value (PV) = Average Planned Values from the Original Approved Baseline Schedule.
 - Revised Planned Value = Average Planned Values from the most recent Approved Baseline Schedule.
 - Funding Contribution Plan (FCP) forecast value refers to forecasted Design-Build Contract expenditure in quarterly FCP.
- ▶ Contract management metrics for CP 1, CP 2-3, CP 4, and SR-99 are included.
 - For the SR-99 realignment project contract the Authority is in an oversight role, with Caltrans directly managing the project.
- ▶ Updates to the report are made monthly.

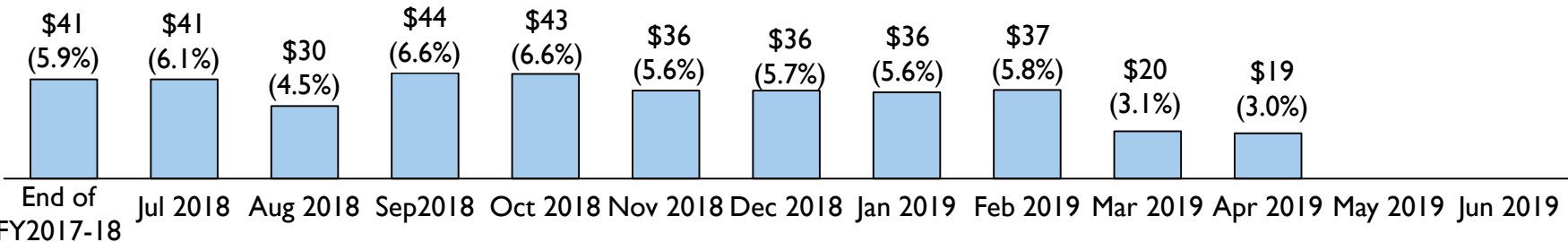
CP 1 Contract Management – Contingency Value

CP I – Contract Balance Remaining
(\$ in millions)



If remaining contingency against amount of contract / work left falls below 10%, corrective action may be necessary.

CP I – Contingency Balance Remaining
(\$ in millions)
(% of contract balance remaining)



- Notes:
1. Contract Balance Remaining = [Revised DB Contract Amount] – [Authority Approved Invoices to Date].
 2. Contract balance only accounts for invoices in determining contract balance, so this number may not reconcile with "earned value" in schedule performance index metric.

Source: April 30, 2019 CP I Monthly Status Report.

CP 1 Contract Management Raw Data: Contingency Value

CP I – Contingency (\$ in millions)

| | End of FY17 18 | July 2018 | Aug 2018 | Sept 2018 | Oct 2018 | Nov 2018 | Dec 2018 | Jan 2019 | Feb 2019 | Mar 2019 | Apr 2019 | May 2019 | June 2019 |
|-------------------------------|----------------|-----------|----------|-----------|----------|----------|----------|----------|----------|----------|----------|----------|-----------|
| | \$698.2M | \$676.2M | \$669.2M | \$664.6M | \$653.0M | \$648.0M | \$644.0M | \$637.5M | \$630.2M | \$630.0M | | | |
| | \$207.0M | \$207.0M | \$207.0M | \$237.3M | \$237.3M | \$237.3M | \$237.3M | \$237.3M | \$237.3M | \$237.3M | | | |
| | \$165.9M | \$0.1M | \$11.0M | \$16.7M | \$0.3M | \$6.9M | \$0.0M | \$0.7M | -\$1.0M | \$17.1M | | | |
| Contingency Balance Remaining | \$41.1M | \$41.0M | \$30.0M | \$43.6M | \$43.3M | \$36.4M | \$36.4M | \$35.7M | \$36.7M | \$19.6M | | | |

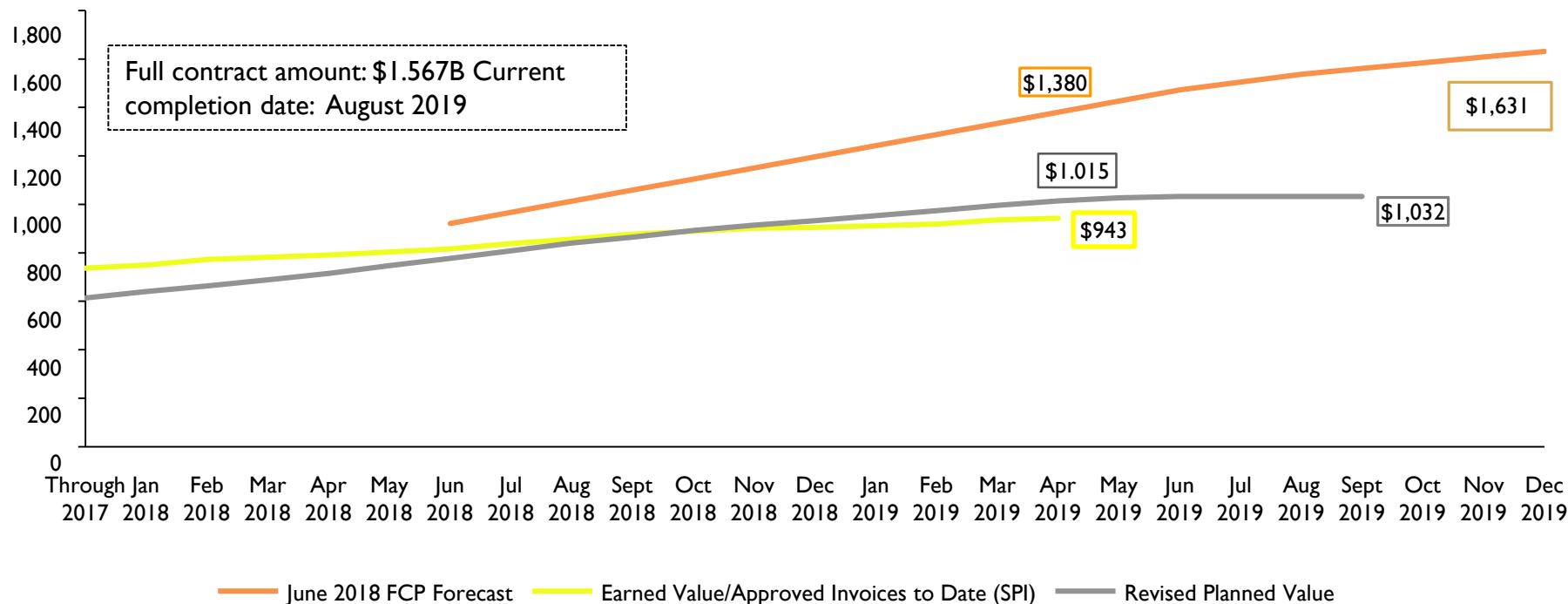
Note:
 1. Contract Balance Remaining is the sum of the previous month’s Contract Balance Remaining less the monthly approved invoice amount plus change orders (from contingency).

Source: April 30, 2019 CP I Monthly Status Report.

CP 1 Contract Management – Schedule Performance Index

\$ in millions

CP I Schedule – Total Planned Value of Contract Earned (\$ in millions)



Notes:

1. Full contract amount includes bid amount, provisional sums and executed change order amounts.
2. The Planned Value line shown above is shown for historical reference. The Revised Planned Value line shown is from the accepted mid-point Planned Value curve from the current approved baseline schedule.

Sources:

1. FCP Forecast: Funding Contribution Plan, September 2018.
2. Earned Value/Approved Invoices to Date: April 30, 2019 CP I Performance Metric Report.
3. FCP Forecast will be updated based on quarterly Funding Contribution Plan.

CP 1 Contract Management Raw Data: Schedule Performance Index

FY2017-18 CP I – Schedule (\$ in millions)

| | End of FY2017 18 | Jul 2018 | Aug 2018 | Sep 2018 | Oct 2018 | Nov 2018 | Dec 2018 | Jan 2019 | Feb 2019 | Mar 2019 | Apr 2019 | May 2019 | Jun 2019 |
|-----------------------------|------------------------|-----------------------|-----------------------|-----------------------|-----------------------|-----------------------|-----------------------|-----------------------|-----------------------|-----------------------|-------------|-------------|-------------|
| | \$920.8M | \$966.7M | \$1,012M | \$1,059M | \$1,105M | \$1,150.M | \$1,196M | \$1,242M | \$1,288M | \$1,334M | | | |
| | \$581.4M/ \$816.0M | \$591.4M/ \$837.9M | \$602.0M/ \$856.0M | \$607.0M/ \$877.3M | \$612.0M/ \$889.2M | \$617.0M/ \$901.0M | \$619.0M/ \$905.0M | \$621.1M/ \$912.3M | \$622.9M/ \$918.6M | \$625.8M/ \$935.9M | | | |
| Planned Value See Note 2 | \$777.3M | \$807.8M | \$840.6M | \$864.4M | \$892.6 | \$914.3 | \$932.9M | \$953M | \$974M | \$996M | | | |

Notes

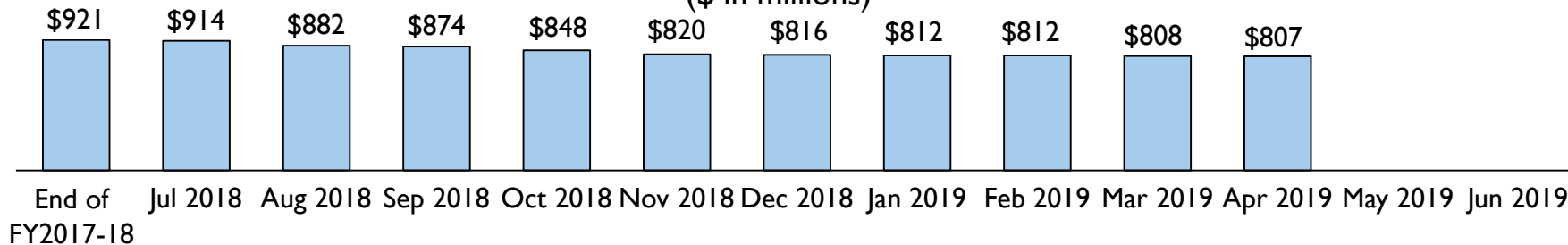
1. The first value shown is EV associated with only the scope included in the revised approved baseline. The second value is the Earned Value taken from Performance Metric Reports and associated with the current contract total.
2. The Planned Values shown are from the accepted mid-point Planned Value curve from the approved baseline schedule.

Sources: 1. FCP Forecast: Funding Contribution Plan, September 2018.
2. EV: April 30, 2019 CP I Performance Metric Report.

CP 2-3 Contract Management – Contingency Value

CP 2-3 – Contract Balance Remaining

(\$ in millions)

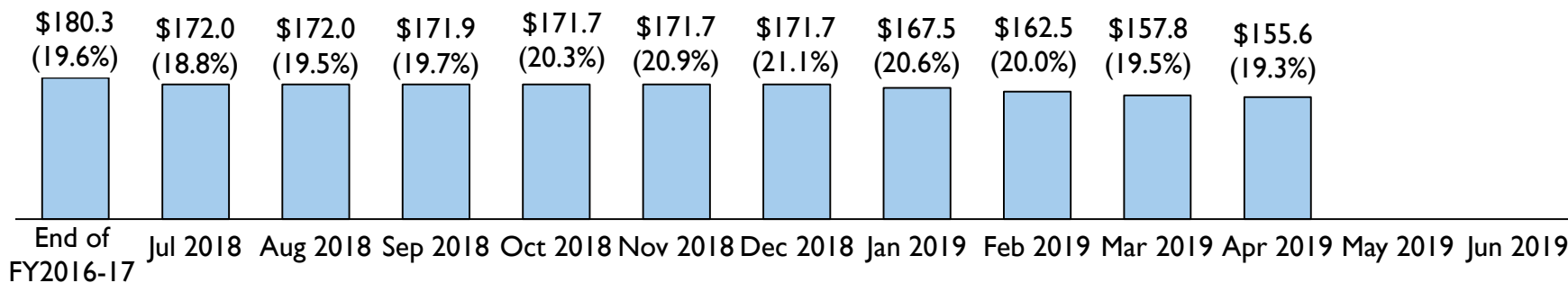


If remaining contingency against amount of contract / work left falls below 10%, corrective action may be necessary.

CP 2-3 – Contingency Balance Remaining

(\$ in millions)

(% of contract balance remaining)



Notes:

1. Contract Balance Remaining = [Revised DB Contract Amount] – [Authority Approved Invoices to Date].
2. Contract balance only accounts for invoices in determining contract balance, so this number may not reconcile with "earned value" in schedule performance index metric.

Source: April 30, 2019 CP 2-3 Monthly Status Report.

CP 2-3 Contract Management Raw Data: Contingency Value

CP 2-3 – Contingency (\$ in millions)

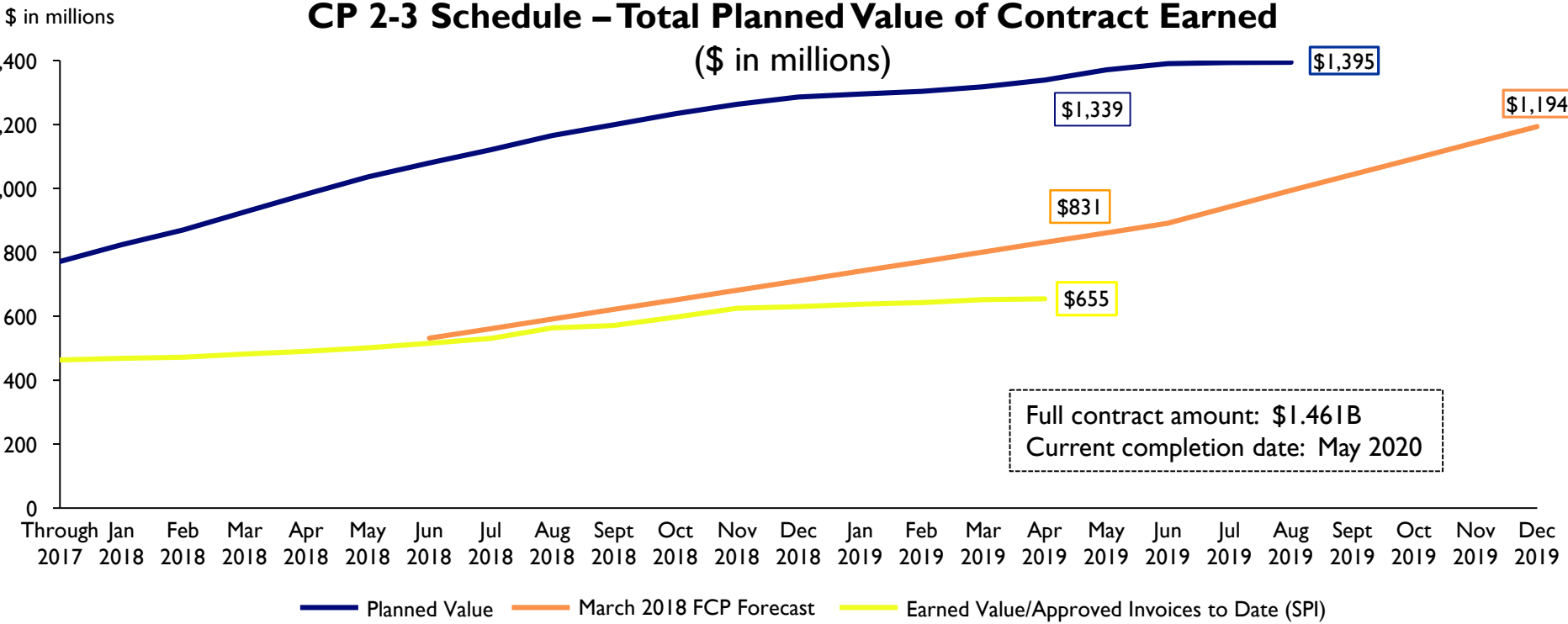
| | End of FY2017 18 | Jul 2018 | Aug 2018 | Sep 2018 | Oct 2018 | Nov 2018 | Dec 2018 | Jan 2019 | Feb 2019 | Mar 2019 | Apr 2019 | May 2019 | Jun 2019 |
|----------------------------------|----------------------|-------------|-------------|-------------|-------------|-------------|-------------|-------------|-------------|-------------|-------------|-------------|-------------|
| Contract Balance Remaining | \$921.4M | \$914.1M | \$881.5M | \$874.2M | \$847.9M | \$820.2M | \$815.5M | \$812.2M | \$811.6M | \$807.7M | \$806.7M | | |
| Contingency | \$261.2M | | | | \$261.2M | \$261.2M | \$261.2M | \$261.2M | \$261.2M | \$261.2M | | | |
| Change Orders (from contingency) | \$80.9M ³ | \$8.3M | \$0.0M | | \$0.1M | \$0.0M | \$0.0M | \$4.2M | \$5.0M | \$4.7M | | | |
| Contingency Balance Remaining | \$180.3M | \$172.0M | \$172.0M | | \$171.7M | \$171.7M | \$171.7M | \$167.5M | \$162.5M | \$157.8M | | | |

Note:

1. Contract Balance Remaining is the sum of the previous month's Contract Balance Remaining less the monthly approved invoice amount plus change orders (from contingency).
2. The executed positive and negative change orders for the period result in a net decrease in the current contract amount.

Source: April 30, 2019 CP 2-3 Monthly Status Report.

CP 2-3 Contract Management – Schedule Performance Index



- Notes:
1. Full contract amount includes bid amount, provisional sums and executed change order amounts.
 2. The Planned Values shown are from the accepted mid-point Planned Value curve from the approved baseline schedule.
 3. Revised planned values are being developed to align with the revised contract amount and completion date.

- Sources:
1. FCP Forecast: Funding Contribution Plan, September 2018.
 2. Earned Value/Approved Invoices to Date: April 30, 2019 CP 2-3 Performance Metric Report.
 3. FCP Forecast will be updated based on quarterly Funding Contribution Plan.

CP 2-3 Contract Management Raw Data: Schedule Performance Index

FY2017-18 CP 2-3 – Schedule (\$ in millions)

| | End of FY2017 18 | Jul 2018 | Aug 2018 | Sep 2018 | Oct 2018 | Nov 2018 | Dec 2018 | Jan 2019 | Feb 2019 | Mar 2019 | Apr 2019 | May 2019 | Jun 2019 |
|-----------------------------|------------------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|
| | \$531.3M | \$561.2M | \$591.2M | \$621.1M | \$651.0M | \$681.0M | \$710.9M | \$741.0M | \$770.8M | \$800.8M | | | |
| | \$515.3M | \$530.9M | \$563.5M | \$570.9M | \$597.3M | \$625.0M | \$629.6M | \$637.3M | \$642.9M | \$651.5M | | | |
| Planned Value See Note 2 | \$1,079M | \$1,120M | \$1,166M | \$1,199M | \$1,234M | \$1,263M | \$1,286M | \$1,295M | \$1,303M | \$1,318M | | | |

Notes

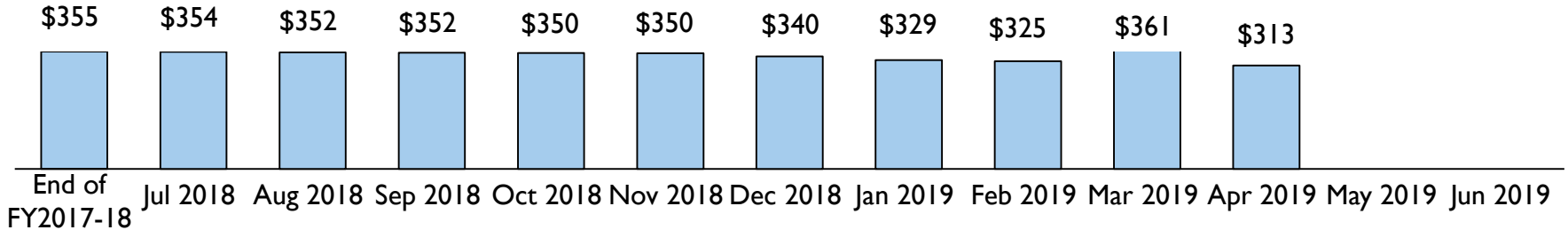
1. This is the Earned Value taken from Performance Metric Reports.
2. The Planned Values shown are from the accepted mid-point Planned Value curve from the approved baseline schedule.
3. Revised planned values are being developed to align with the revised contract amount and completion date.

Sources:

1. FCP Forecast: Funding Contribution Plan, September 2018.
2. EV: April 30, 2019 CP 2-3 Performance Metric Report.

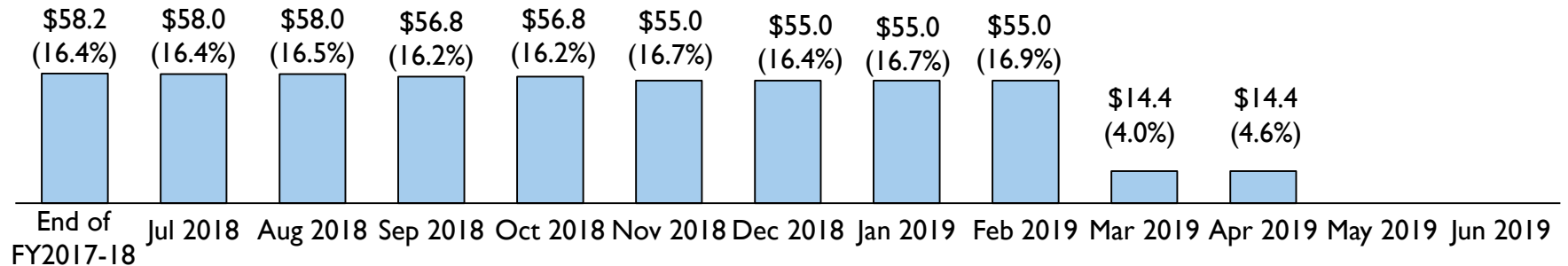
CP 4 Contract Management – Contingency Value

CP 4 – Contract Balance Remaining
(\$ in millions)



If remaining contingency against amount of contract / work left falls below 10%, corrective action may be necessary.

CP 4 – Contingency Balance Remaining
(\$ in millions)
(% of contract balance remaining)



Notes:

1. Contract Balance Remaining = [Revised DB Contract Amount] – [Authority Approved Invoices to Date].
2. Contract balance only accounts for invoices in determining contract balance, so this number may not reconcile with "earned value" in schedule performance index metric.

Source: April 30, 2019 CP 4 Monthly Status Report.

CP 4 Contract Management Raw Data: Contingency Value

CP 4 – Contingency (\$ in millions)

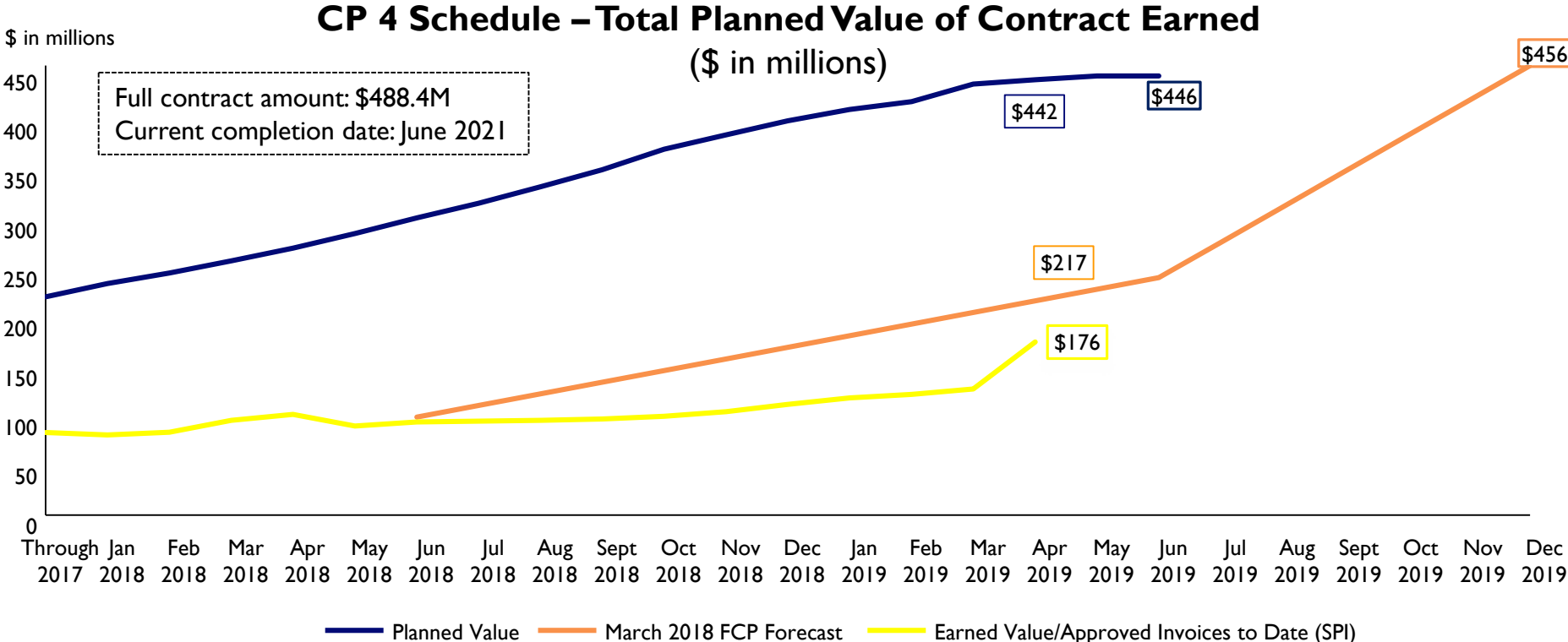
| | End of FY2017 18 | Jul 2018 | Aug 2018 | Sep 2018 | Oct 2018 | Nov 2018 | Dec 2018 | Jan 2019 | Feb 2019 | Mar 2019 | Apr 2019 | May 2019 | Jun 2019 |
|----------------------------------|---------------------|-------------|-------------|-------------|-------------|-------------|-------------|-------------|-------------|-------------|-------------|-------------|-------------|
| Contract Balance Remaining | \$354.6M | \$353.5M | \$351.8M | \$351.5M | \$350.1M | \$349.7M | \$340M | \$328.8M | \$325.3M | \$360.6M | \$312.8M | | |
| Contingency | \$62.0M | | | | \$62.0M | \$62.0M | \$62.0M | \$62.0M | \$62.0M | \$62.0M | | | |
| Change Orders (from contingency) | \$3.80M | \$0.2M | \$0.0M | | \$0.0M | \$1.8M | \$0.0M | \$0.0M | \$0.0M | \$40.7M | | | |
| Contingency Balance Remaining | \$58.2M | \$58.0M | \$58.0M | | \$56.8M | \$55.0M | \$55.0M | \$55.0M | \$55.0M | \$14.4M | | | |

Note:

- I. Contract Balance Remaining is the sum of the previous month's Contract Balance Remaining less the monthly approved invoice amount plus change orders (from contingency).

Source: April 30, 2019 CP 4 Monthly Status Report.

CP 4 Contract Management – Schedule Performance Index



Notes:

1. Full contract amount includes bid amount, provisional sums and executed change order amounts.
2. Total amount earned refers to progress on the schedule, not approved contract invoices.
3. The Planned Values shown are from the accepted mid-point Planned Value curve from the approved baseline schedule.

Sources:

1. FCP Forecast: Funding Contribution Plan, September 2018.
2. Earned Value/Approved Invoices to Date: April 30, 2019 CP 4 Monthly Status Report.
3. FCP Forecast will be updated based on quarterly Funding Contribution Plan.

CP 4 Contract Management Raw Data: Schedule Performance Index

FY2017-18 CP 4 – Schedule (\$ in millions)

| | End of FY2017 18 | Jul 2018 | Aug 2018 | Sep 2018 | Oct 2018 | Nov 2018 | Dec 2018 | Jan 2019 | Feb 2019 | Mar 2019 | Apr 2019 | May 2019 | Jun 2019 |
|--|------------------|----------|----------|----------|----------|-----------|----------|----------|----------|----------|----------|----------|----------|
| FCP Forecast Value | \$99.5M | \$111.3M | \$123.1M | \$134.9M | \$146.6M | \$158.4M | \$170.2M | \$182.0M | \$193.7M | \$205.6M | \$217.3M | | |
| Earned Value/ Invoiced to Date <small>See Note 1</small> | \$94.5M | | | | \$100.2M | \$107.80M | \$112.1M | \$118.9M | \$122.4M | \$127.8M | | | |
| Planned Value <small>See Note 2</small> | \$301.6M | \$316.4M | \$333.2M | | \$371.1M | \$385.8M | \$400.1M | \$412.0M | \$419.4M | \$437.4M | | | |
| Schedule Performance Index | | | | | 27% | 28% | 28% | 28% | 29% | 29% | | | |

Notes:

1. This is the Earned Value taken from Performance Metric Reports and it is an estimate.
2. The Planned Values shown are from the accepted mid-point Planned Value curve from the approved baseline schedule.

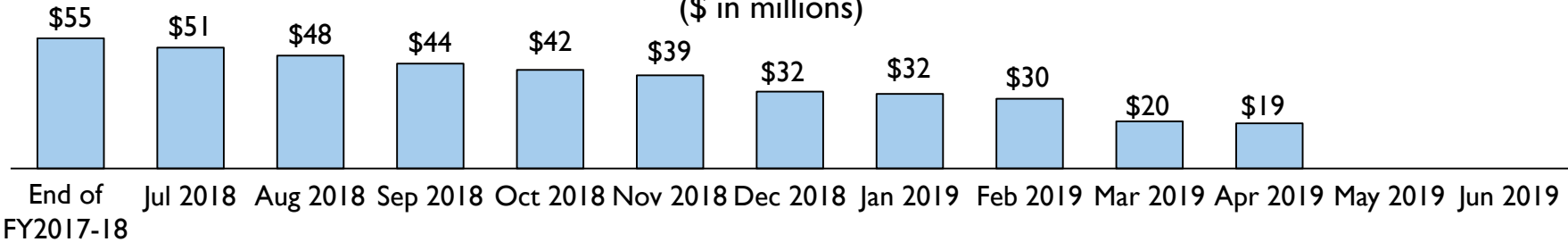
Sources:

1. FCP Forecast: Funding Contribution Plan, September 2018
2. EV: April 30, 2019 CP 4 Performance Metric Report

SR-99 Contract Management – Contingency Value

SR-99 – Contract Balance Remaining

(\$ in millions)



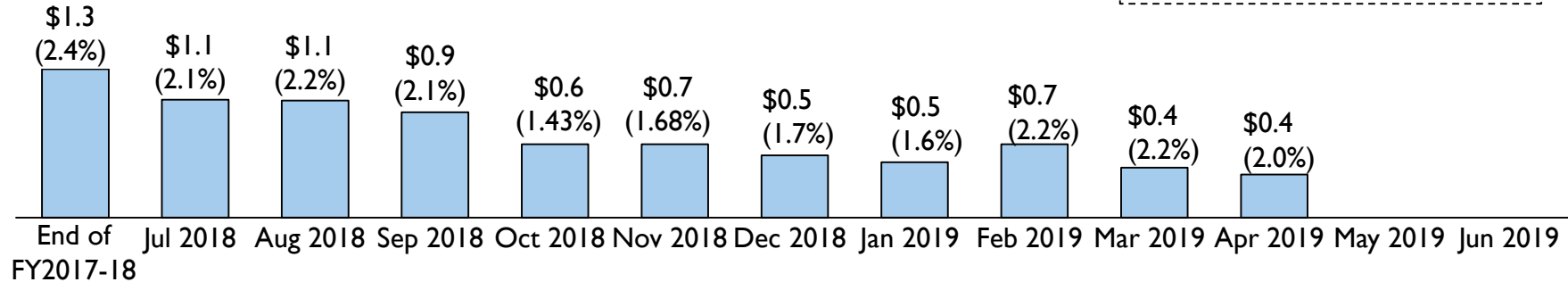
SR-99 – Contingency Balance Remaining

(\$ in millions)

(% of contract balance remaining)

If remaining contingency against amount of contract / work left falls below 5%, corrective action may be necessary.

The values shown are a sum of the Early Work Plan (EWP) and Main Package (MP) Contingencies.



Notes:

1. Contract Balance Remaining = [Revised DB Contract Amount] – [Authority Approved Invoices to Date].
2. Contract balance only accounts for invoices in determining contract balance, so this number may not reconcile with “earned value” in schedule performance index metric.

Source: April 30, 2019 SR-99 Monthly Status Report.

SR-99 Contract Management Raw Data: Contingency Value

SR-99 – Contingency (\$ in millions)

| | End of FY2017 18 | Jul 2018 | Aug 2018 | Sep 2018 | Oct 2018 | Nov 2018 | Dec 2018 | Jan 2019 | Feb 2019 | Mar 2019 | Apr 2019 | May 2019 | Jun 2019 |
|---|---------------------|---------------------|---------------------|---------------------|---------------------|---------------------|--------------------|-------------------|-------------------|-------------------|----------|----------|----------|
| | \$55.1M/ \$27.0M | \$51.0M/ \$23.5M | \$47.7M/ \$20.4M | \$44.3M/ \$17.4M | \$41.7M/ \$15.3M | \$38.3M/ \$13.1M | \$32.4M \$10.4M | \$31.5M \$9.7M | \$29.5M \$9.5M | \$19.9M \$9.5M | | | |
| | \$5.9M | \$5.9M | \$5.9M | \$5.9M | \$5.9M | \$5.9M | \$5.9M | \$5.9M | \$5.9M | \$5.9M | | | |
| | \$4.6M | \$0.2M | \$0.0M | \$0.1M | \$0.3M | \$0.0M | \$0.1M | \$0.1M | -\$0.2M | \$0.2M | | | |
| Contingency Balance Remaining See Note 2 | \$1.3M | \$1.1M | \$1.1M | \$0.9M | \$0.7M | \$0.7M | \$0.56M | \$0.50M | \$0.66M | \$0.45M | | | |

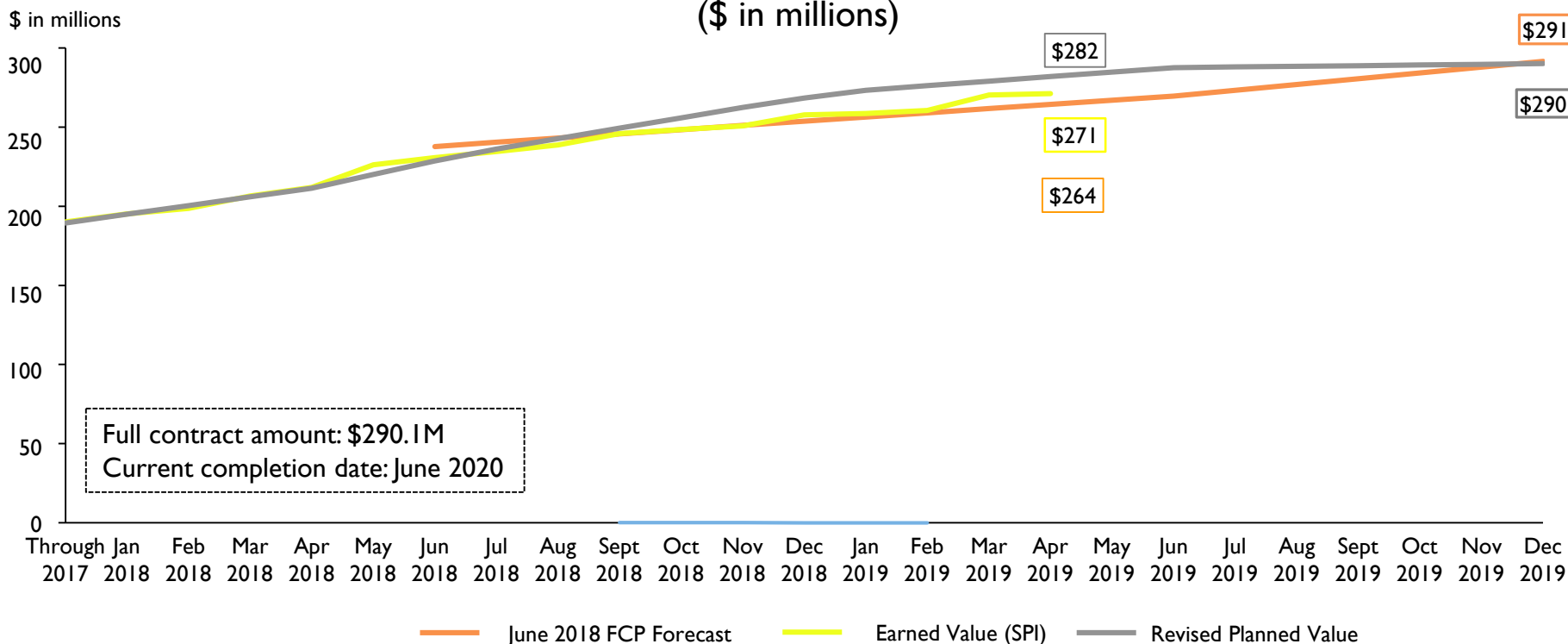
Notes:

1. Contract balance only accounts for invoices in determining contract balance, so this number may not reconcile with “earned value” in schedule performance index metric.
2. The contingency values shown are from the Main Package only.
3. The top value of the Contract Balance Remaining is a combination of the EWP and MP values. The bottom value is the Main Package only.

Source: April 30, 2019 SR-99 Monthly Status Report.

SR-99 Contract Management – Schedule Performance Index

SR-99 Schedule – Total Planned Value of Contract Earned (\$ in millions)



Notes:

1. Total amount earned refers to progress on the schedule, not approved contract invoices.
2. The Planned Value line shown above is shown for historical reference. The Revised Planned Value line shown is from the current forecast.

Sources:

1. FCP Forecast: Funding Contribution Plan, September 2018.
2. Earned Value: April 30, 2019 SR-99 Performance Metric Report.
3. FCP Forecast will be updated based on quarterly Funding Contribution Plan.

SR-99 Contract Management Raw Data: Schedule Performance Index

FY2017-18 SR-99 – Schedule (\$ in millions)

| | End of FY2017 18 | Jul 2018 | Aug 2018 | Sep 2018 | Oct 2018 | Nov 2018 | Dec 2018 | Jan 2019 | Feb 2019 | Mar 2019 | Apr 2019 | May 2019 | Jun 2019 |
|----------------------------|---------------------|-------------|-------------|-------------|-------------|-------------|-------------|-------------|-------------|-------------|-------------|-------------|-------------|
| FCP Forecast Value | \$237.8M | \$240.4M | \$243.1M | \$245.7M | \$248.4M | \$251.0M | \$253.6M | \$256.0M | \$259.0M | \$261.6M | \$264.3M | | |
| Earned Value See Note 1 | | | | | \$245.8M | \$250.8M | \$254.6M | | | | | | |
| Planned Value | \$228.5M | \$236.1M | \$242.7M | | \$255.8M | \$262.3M | \$268.3M | | \$276.1M | \$279.1M | \$282.0M | | |
| Schedule Performance Index | | | | | 96% | 95% | 95% | | | | | | |

Note:

1. SR-99 contract with Caltrans is not a Design-Build contract. Earned value is not necessarily equal to invoice to data/actual cost amount.

Sources:

1. FCP Forecast: Funding Contribution Plan, September 2018
2. EV: April 30, 2019 SR-99 Performance Metric Report

Agenda

- ▶ Operations Report Metrics
 - Executive Summary
 - Right-of-Way (ROW)
 - Project Development
 - Third Party Agreements
 - Contract Management
 - Finance/Budget
 - ARRA State Match Schedule
 - Risk

Finance/Budget Metrics – Context

- ▶ For FY2018-19, this report presents:
 - Budgeted expenditures based on the Capital Outlay budget.
 - Expenditures reflect paid invoices and material estimated costs for work performed, not yet paid.
 - Forecasts will shift periodically and align with FY2018-19 forecast from the F&A Capital Outlay Report.

- ▶ All data shown is at the end of each month:
 - There is a one month lag to produce the F&A Capital Outlay Report.
 - For example, the June 2019 F&A Capital Outlay Report includes financial data through April 30, 2019.

As of April 30, 2019, the Authority has spent 42.5% of FY2018-19 budget and 100% of the FY2014-15 Cap and Trade appropriation.

FY2018-19 Expenditures to Date (\$ billions) (Data as of April 30, 2019)

| Total Appropriation ^{3,4} | | FY2018 19 Budget ² | | FY Expenditures to Date ⁵ | | FY Expenditures % | |
|------------------------------------|----------|-------------------------------|---------|--------------------------------------|---------|-------------------|--------|
| Mar-19 | Apr-19 | Mar-19 | Apr-19 | Mar-19 | Apr-19 | Mar-19 of Budget | Apr-19 |
| \$19.260 | \$19.286 | \$1.787 | \$1.787 | \$0.656 | \$0.760 | 36.7% | 42.5% |

Total Expenditures to Date (\$ billions) (Data as of April 30, 2019)

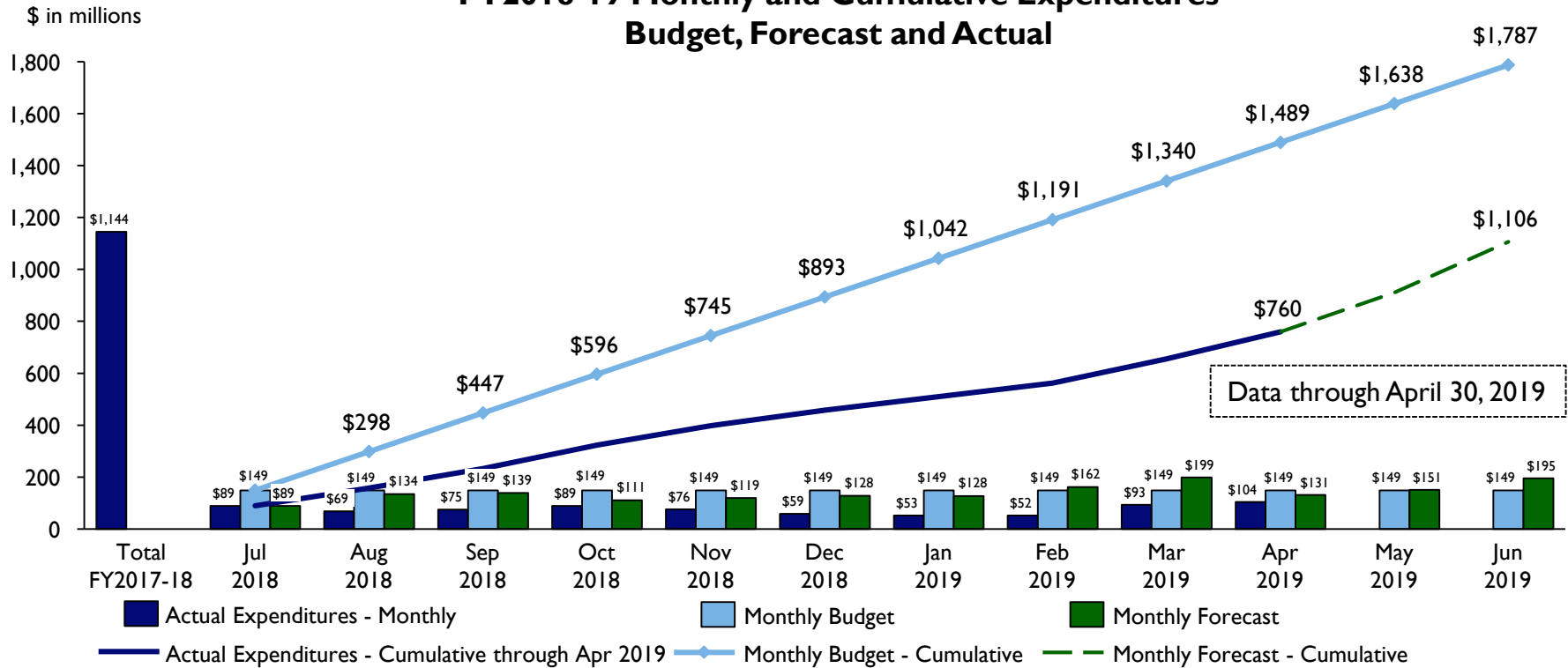
| | TOTAL | | Planning | | Construction ² | |
|--------------------------|---------------------|-----------------------------------|----------------|-----------------------------------|---------------------------|-----------------------------------|
| | Budget ⁷ | Expenditures to Date ⁵ | Budget | Expenditures to Date ⁵ | Budget | Expenditures to Date ⁵ |
| ARRA Grant ⁸ | \$2.547 | \$2.547 | \$0.487 | \$0.487 | \$2.060 | \$2.060 |
| FY10 Grant | \$0.929 | \$- | \$- | \$- | \$0.929 | \$- |
| Brownfields | \$0.001 | \$- | \$0.001 | \$- | \$- | \$- |
| PROP IA | \$3.184 | \$2.011 | \$0.575 | \$0.440 | \$2.609 | \$1.571 |
| Cap and Trade | \$5.899 | \$0.637 | \$0.454 | \$0.126 | \$5.445 | \$0.511 |
| Local Assistance | \$1.100 | \$0.037 | \$- | \$- | \$1.100 | \$0.037 |
| Total⁶ | \$13.659 | \$5.231 | \$1.516 | \$1.054 | \$12.143 | \$4.178 |

Notes:

- Source: F&A Capital Outlay Report, June 2019; balance subject to change due to pending approval of federal reimbursements.
- Total Program and FY2018-19 budget supports activities reflected within the 2018 Business Plan and is based on a prioritization of executed contracts necessary for Central Valley development and construction, Silicon Valley to Central Valley segment planning, and Bookend Corridor project construction. In addition, the FY2018-19 budget prioritizes work related to completing the scope within the ARRA and FY10 grants.
- The Authority's appropriation totals will increase with the proceeds received from future Cap and Trade auctions, under Health and Safety Code 39719(b)(2).
- The Cap and Trade Appropriation has been updated to reflect actual auction proceeds for the Feb-19 auction and has increased by \$25.7M to \$11.448B (\$478M Project Development, \$10.970B Construction). The total Appropriation reflects a one-time FY2014-15 Budget Act appropriation of \$650M, actual auction proceeds received to date of \$1.986B, and 25% of Cap and Trade auction proceeds dedicated to the Authority through continuous appropriation (SB-862) through December 2030 (AB-398), estimated at \$750M per year (\$8.812B). The Appropriation will be updated quarterly based on actual Cap and Trade auction proceeds.
- Expenditures reflect paid invoices and material estimated costs for work performed, not yet paid.
- Numbers may not add due to rounding.
- The Total Program budget remains \$13.659B.
- ARRA Grant expenditures to date reflect \$5.5M in credits/refunds.

Finance/Budget – FY2018-19 Expenditures

FY2018-19 Monthly and Cumulative Expenditures Budget, Forecast and Actual



Source: F&A Capital Outlay Reports (August 2017 – June 2019)

1. Total Program and FY2018-19 budget supports activities reflected within the 2018 Business Plan and is based on a prioritization of executed contracts necessary for Central Valley development and construction, Silicon Valley to Central Valley segment planning, and Bookend Corridor project construction. In addition, the FY2018-19 budget prioritizes work related to completing the scope within the ARRA and FY10 grants.
2. The Authority's appropriation totals will increase with the proceeds received from future Cap and Trade auctions, under Health and Safety Code 39719(b)(2).
3. Expenditures reflect paid invoices and material estimated costs for work performed, not yet paid.
4. The Total Program budget remains \$13.659B.

Finance/Budget Raw Data

Capital Outlay Budget, Expenditures, and Forecast

FY2017-18 Raw Data

| | July 2017 | Aug 2017 | Sept 2017 | Oct 2017 | Nov 2017 | Dec 2017 | Jan 2018 | Feb 2018 | Mar 2018 | Apr 2018 | May 2018 | June 2018 |
|----------------------|-----------|----------|-----------|----------|----------|----------|----------|----------|----------|----------|----------|-----------|
| Total FY Budget | \$1.6B | \$1.6B | \$1.6B | \$1.6B | \$1.6B | \$1.6B | \$1.6B | \$1.6B | \$1.6B | \$1.6B | \$1.6B | \$1.6B |
| Expense to Date | \$98.5M | \$169.2M | \$262.9M | \$344.1M | \$449.1M | \$621.3M | \$696.1M | \$775.8M | \$846.5M | \$898.8M | \$993.7M | \$1.144B |
| Monthly Expenditures | \$98.5M | \$70.7M | \$93.7M | \$81.2M | \$105M | \$172.2M | \$74.8M | \$79.6M | \$70.7M | \$52.4M | \$94.8M | \$150.7M |
| Total FY Forecast | \$1.6B | \$1.6B | \$1.7B | \$1.7B | \$1.8B | \$1.8B | \$1.8B | \$1.8B | \$1.8B | \$1.5B | \$1.5B | \$1.1B |

FY2018-19 Raw Data

| | July 2018 | Aug 2018 | Sept 2018 | Oct 2018 | Nov 2018 | Dec 2018 | Jan 2019 | Feb 2019 | Mar 2019 | Apr 2019 | May 2019 | June 2019 |
|----------------------|-----------|----------|-----------|----------|----------|----------|----------|----------|----------|----------|----------|-----------|
| Total FY Budget | \$1.8B | \$1.8B | \$1.8B | \$1.8B | \$1.8B | \$1.8B | \$1.8B | \$1.8B | \$1.8B | \$1.8B | | |
| Expense to Date | \$89.5M | \$158.4M | \$233.2M | \$322.7M | \$398.5M | \$457.7M | \$510.2M | \$562.2M | \$655.5M | \$759.8M | | |
| Monthly Expenditures | \$89.5M | \$68.7M | \$75.0M | \$89.5M | \$75.8M | \$59.2M | \$52.5M | \$52.0M | \$93.3M | \$104.2M | | |
| Total FY Forecast | \$1.8B | \$1.8B | \$1.5B | \$1.5B | \$1.5B | \$1.4B | \$1.4B | \$1.5B | \$1.1B | \$1.1B | | |

Source: F&A Capital Outlay Reports (September 2017 – June 2019)

1. Total Program and FY2018-19 budget supports activities reflected within the 2018 Business Plan and is based on a prioritization of executed contracts necessary for Central Valley development and construction, Silicon Valley to Central Valley segment planning, and Bookend Corridor project construction. In addition, the FY2018-19 budget prioritizes work related to completing the scope within the ARRA and FY10 grants.
2. Expenditures reflect paid invoices and material estimated costs for work performed, not yet paid.
3. Numbers may not add due to rounding.
4. The Total Program budget remains \$13.659B.

Agenda

- ▶ Operations Report Metrics
 - Executive Summary
 - Right-of-Way (ROW)
 - Project Development
 - Third Party Agreements
 - Contract Management
 - Finance/Budget
 - ARRA State Match Schedule
 - Risk

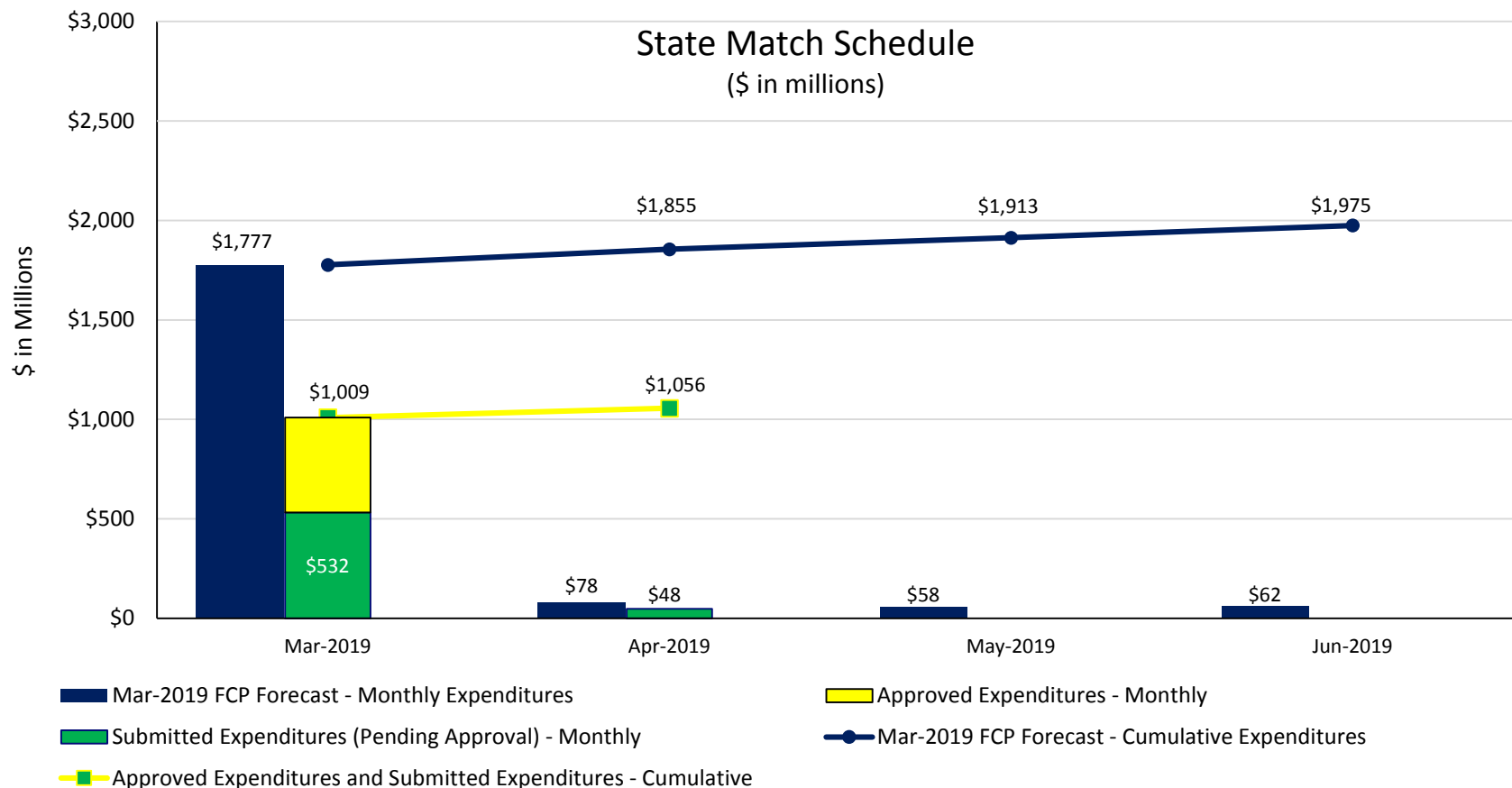
ARRA State Match Schedule – Context

- ▶ ARRA State Match is comprised of two expenditure types:
 - Project Development: Environmental Review, Preliminary Engineering Design, Project Administration, and other project development related costs.
 - Construction: Program Management, Project Construction Management, Right-of-Way, Design-Build Contracts, Third Party Agreements, Project Reserves, and Contingencies.

- ▶ The ARRA State Match schedule is based upon the Funding Contribution Plan, which includes:
 - Expenditures reflecting amounts paid and approved by the Federal Railroad Administration (FRA) as eligible ARRA Grant Match expenditures and expenditures pending approval.
 - Forecast expenditures.

ARRA State Match Expenditure by Month

Forecast vs. Actual



Notes:

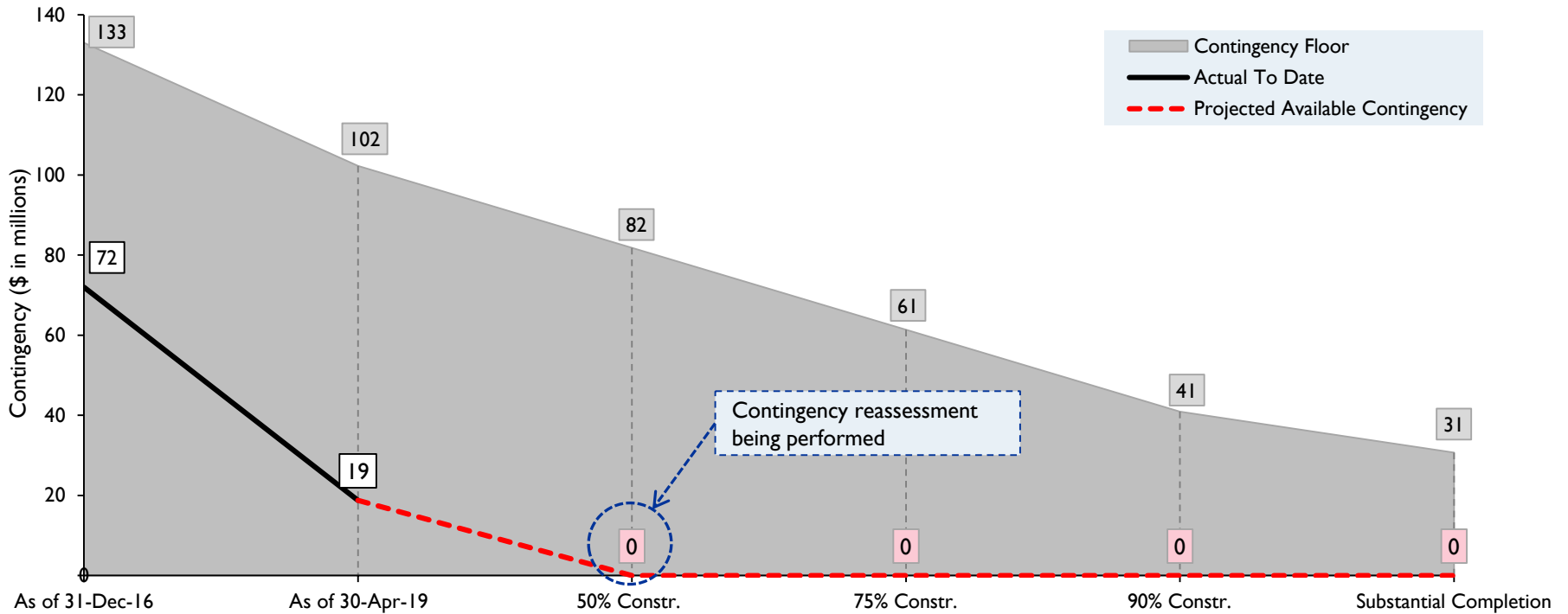
1. Data as of April 30, 2019
2. Total ARRA State Match expenditures approved by Federal Railroad Administration (FRA) are \$477M or 19.1% of the \$2.500B State Match obligation.
3. Total ARRA State Match expenditures submitted and pending FRA approval are \$579M.
4. The March 2019 FCP has been submitted to the FRA, and is under review.
5. Numbers may not add due to rounding.
6. Forecasts reflected in the FCP are reviewed throughout the fiscal year and are updated quarterly.

Agenda

- ▶ Operations Report Metrics
 - Executive Summary
 - Right-of-Way (ROW)
 - Project Development
 - Third Party Agreements
 - Contract Management
 - Finance/Budget
 - ARRA State Match Schedule
 - Risk



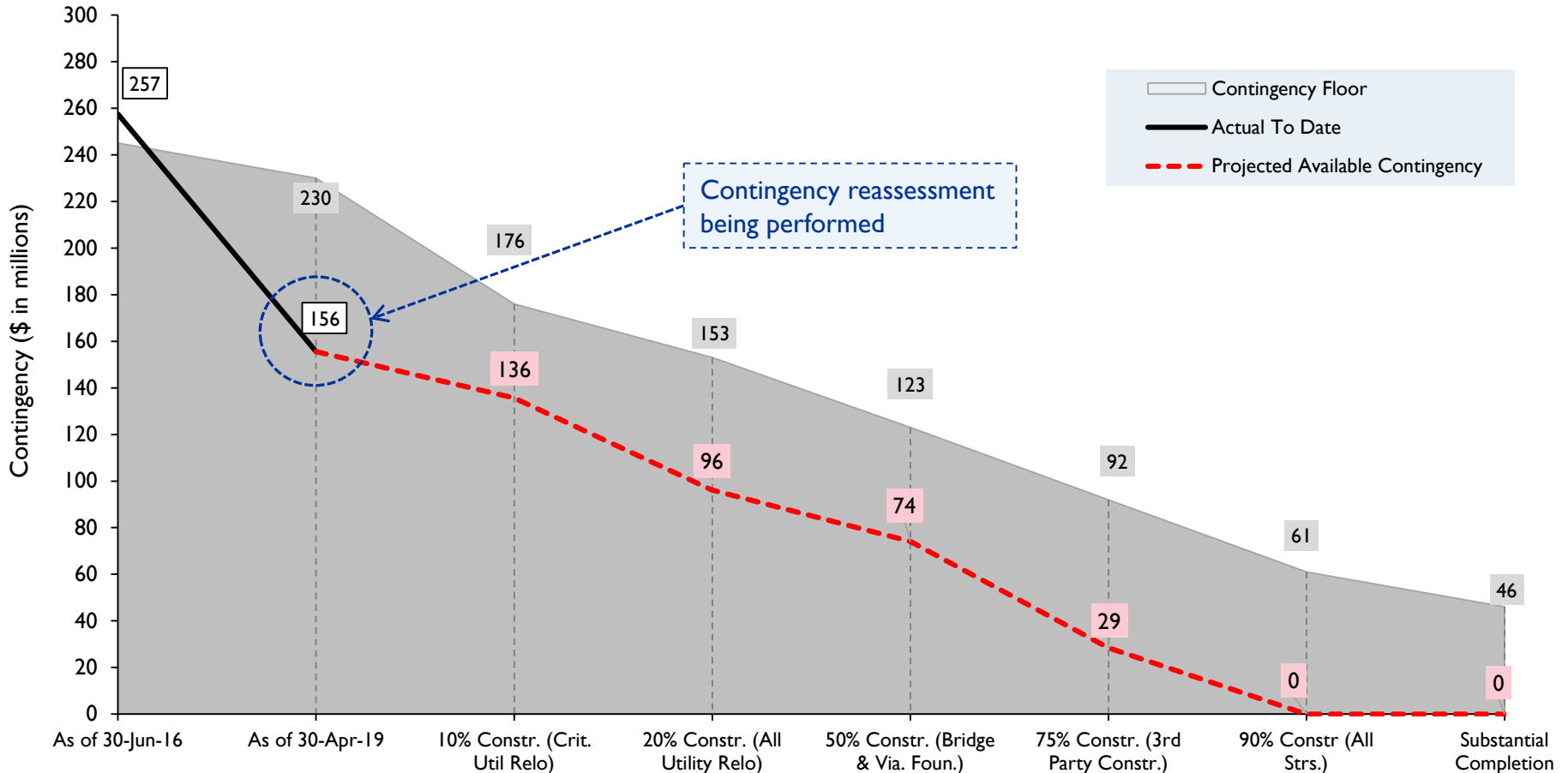
CP 1 Contract - Contingency report



Notes:

1. The Program Baseline was presented to and accepted by the CHSRA Board in June 2018. The adoption of the Program Baseline will result in changes to contingency amounts and drawdown schedule. The contingency drawdown curve will be revised as project-level information, budgets and schedules are reconciled with the Program Baseline and associated quantitative cost and schedule risk analysis is completed.
2. Content as of April 30, 2019.

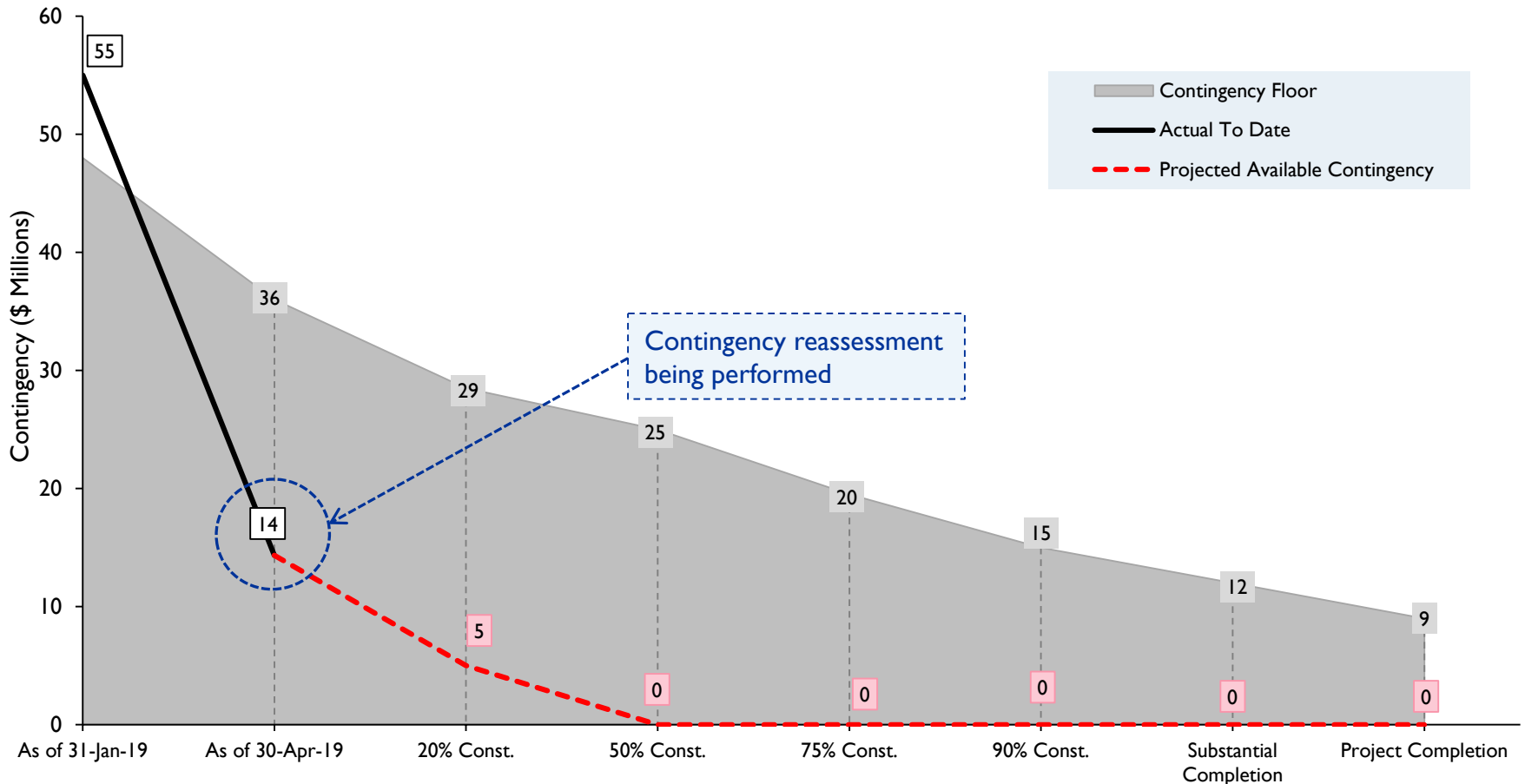
CP 2-3 Contract - Contingency report



Notes:

1. The Program Baseline was presented to and accepted by the CHSRA Board in June 2018. The adoption of the Program Baseline will result in changes to contingency amounts and drawdown schedule. The contingency drawdown curve will be revised as project-level information, budgets and schedules are reconciled with the Program Baseline and associated quantitative cost and schedule risk analysis is completed.
2. Content as of April 30, 2019.

CP 4 Contract - Contingency report



Notes:

1. The Program Baseline was presented to and accepted by the CHSRA Board in June 2018. The adoption of the Program Baseline will result in changes to contingency amounts and drawdown schedule. The contingency drawdown curve will be revised as project-level information, budgets and schedules are reconciled with the Program Baseline and associated quantitative cost and schedule risk analysis is completed.
2. Content as of April 30, 2019.