

SAN FRANCISCO BAY AREA RAPID TRANSIT DISTRICT
300 Lakeside Drive, P. O. Box 12688, Oakland, CA 94604-2688

NOTICE OF MEETING AND AGENDA
BOND OVERSIGHT COMMITTEE

Friday, December 18, 2020
9:30 a.m. – 12:00 p.m.

COMMITTEE MEMBERS: Marian Breitbart, Michael Day, Leah Edwards, Daren Gee, Michael McGill, Catherine Newman, Sonja Stewart

Please note, pursuant to Governor Newsom’s Executive Order N-29-20 and the California Shelter-in-Place mandate, which prevents all but essential travel, public participation for this meeting will be via teleconference only.

Presentation materials will be available at: www.bart.gov/about/bod/advisory/bond

You may join the Bond Oversight Committee Meeting via WebEx by calling 1-888-204-5987 (US/Canada) and entering access code 686 641 8.

If you wish to make a public comment:

Submit written comments via email to mmorale@bart.gov, using “public comment” as the subject line. Your comment will be read into the record and will become a permanent part of the file. Please submit your comments as far in advance as possible. Emailed comments must be received before 9:00 a.m. in order to be included in the record.

Public comment is limited to three (3) minutes per person.

AGENDA

1. Call to Order (5 minutes)
 - A. Roll Call
 - B. Welcome Sonja Stewart and Introduction of BART Staff
2. Meeting Minutes: September 18, 2020 (For Discussion/Action) (5 minutes)
3. Adoption of Standing Rules (For Discussion/Action) (5 minutes)
4. Set Dates for 2021 Bond Oversight Committee Meetings (For Discussion) (5 minutes)
5. Annual Report Subcommittee –2021 Annual Report (For Discussion) (20 minutes)
 - A. Review Draft Outline (For Discussion) (15 minutes)
 - B. Set Date for Subcommittee Meetings (For Discussion) (5 minutes)
6. BART Safety, Reliability and Traffic Relief Program (Measure RR) Presentation (For Discussion) (72 minutes)
 - A. Office of Civil Rights (5 minutes)
 1. Q&A (10 minutes)
 - B. Human Resources/Staffing (5 minutes)
 1. Q&A (10 minutes)

C. Station Modernization Project – Union City (10 minutes)

1. Q&A (10 minutes)

D. Program Updates (12 minutes)

1. Q&A (10 minutes)

7. Requests for Future Agenda Items (For Discussion) (5 minutes)
8. Committee Member Announcements (For Discussion) (5 minutes)
9. Public Comment (5 minutes)
10. Adjournment (5 minutes)

BART provides service/accommodations upon request to persons with disabilities and individuals who are limited English proficient who wish to address Committee matters. A request must be made within one and five days in advance of Board/Committee meetings, depending on the service requested. Please contact the Office of the District Secretary at (510) 464-6083 for information.



**San Francisco Bay Area Rapid Transit District
Measure RR Program**

BART Bond Oversight Committee

*******DRAFT*******

Friday, September 18, 2020

9:30 AM – 12:00 PM

Via WebEx Conference Call

MEETING NUMBER	MEETING DATE	MEETING TIME
Term 2, Meeting 4	Friday, September 18, 2020	9:30 am – 12:00 pm
Attendees	Present Members Michael McGill, Chair Catherine Newman, Vice Chair Michael Day Marian Breitbart Daren Gee Leah Edwards	Staff Tamar Allen Carl Holmes Rodd Lee Linton Johnson Tracy Johnson Sylvia Lamb Veronica Thomas Chris Filippi Vicky Tam Jamal Thompson Mickey Morales Antoinette Contesh Gordon Wong Joseph Towner Audrey Tam Myat Sat

Agenda Item	Meeting Notes
1. Call to Order A. Roll Call B. Introduction of BART Staff	All committee members are present. Staff introduces themselves.
2. Meeting Minutes: May 29, 2020	Committee unanimously passes the minutes.

<p>3. Update on Filling Project Management Institute Vacancy</p>	<p>L. Johnson updates the committee on the search to fill the vacant Project Management Institute seat.</p>
<p>4. Chairman Recaps His Presentation of the 2020 Annual Report before BART Board of Directors</p>	<p>M. McGill says this year’s presentation went well. He credits staff with doing a good job explaining to the BART Board of Directors all the technical details about Measure RR ahead of his presentation.</p>
<p>5. Annual Report Subcommittee – Set Dates for 2021 Annual Report and Subcommittee Meetings</p>	<p>C. Filippi says he will have a draft outline of the 2021 annual report at the next committee meeting in December.</p> <p>L. Edwards asks the committee to consider a request from the public who asked that the next report speaks to how BART is managing costs and/or shows how BART manages costs compared with other agencies.</p> <p>Committee requests that L. Johnson firm up subcommittee meeting dates off-line.</p>
<p>6. BART Safety, Reliability & Traffic Relief Program (Measure RR) Update</p>	<p>T. Johnson begins the presentation.</p> <p>J. Towner presents the Measure RR Small Business update</p> <p>V. Thomas and A. Contesh present the Measure RR hiring update.</p> <p>G. Wong updates committee on 34.5 kV replacement project</p> <p>T. Johnson and S. Lamb lead the completion of the remaining portion of the report.</p> <p>C. Newman wants to see the numbers from the last meeting on the current slides. However, to keep the slides compact, T. Johnson suggests that on the slides – especially the HR slides – staff will do pluses and minuses. C. Newman agrees.</p>

7. Request for Future Agenda Items	T. Johnson recommends the committee hear a report on station modernization and the committee agrees.
8. Committee Member Announcements	None.
9. Public Comment	None.
10. Adjournment	M. McGill adjourns the meeting.

SAN FRANCISCO BAY AREA RAPID TRANSIT DISTRICT

MEMORANDUM

TO: Bond Oversight Committee

FROM: Linton Johnson
Strategic Programs Manager

DATE: December 11, 2020

SUBJECT: Proposed Changes to the Committee's Standing Rules

Dear Chair McGill, Vice Chair Newman and Committee Members,

Attached are BART staff's proposed updates to the Measure RR Bond Oversight Committee's Standing Rules ("Rules"). While each committee member was required to sign the Rules prior to their appointment, the committee was never asked to adopt the Rules. As a result, they were never official and thus unenforceable, according to the District's Legal Department.

Staff has updated the Rules so they are more consistent with how the committee has been operating. The following are a few key changes to the Rules that staff is proposing for your consideration:

- Removing "Citizen" from the Committee name as the formal name is Bond Oversight Committee
- Selecting a Chair and Vice Chair every two years with the election taking place at the beginning of each term
- Removing the word "shall" from the language stating that the BART Board can select up to seven alternates (so far, the Board has never appointed an alternate)
- Stating that meetings will be held quarterly
- Revising how staff will report to the BART Board of Directors a member who fails to attend the minimum number of meetings

The committee may adopt the staff's recommendation or members may make changes, additions or deletions.



San Francisco Bay Area Rapid Transit District (BART) Safety, Reliability and Traffic Relief Program

Bond Oversight Committee Standing Rules

Standing Rules

1. Members appointed to the BART Safety, Reliability and Traffic Relief Program Bond Oversight Committee ("Committee") shall be appointed for a two-year Term without compensation. Members are eligible for three, two-year Terms. The BART Board shall appoint the members of the Committee and assign a commencement date. All Terms shall terminate on the second anniversary date of such commencement date. The BART Board may appoint an alternate to each Committee member. If the Committee member is unable to complete his, her, or their Term, the appointed alternate shall fill the vacancy and complete the Term.
2. Each Term shall be two-years.
3. The inaugural Term began July 1, 2017 and ended on June 30, 2019.
4. Meetings shall be held quarterly, and the Committee may elect to change the frequency as long as there are at least four meetings each Term.
5. The meetings will be held at BART headquarters.
6. At the beginning of each Term, the Committee will elect a Chair and Vice Chair. Both shall serve for no more than three Terms.
 - a. The Chair will function as the spokesperson for the Committee
 - b. Should the Chair resign or be removed, the Vice Chair will immediately become the Chair and the Committee shall elect a new Vice Chair at its next regularly scheduled meeting.
7. Staff will organize and assemble materials for review including construction schedules, scope of work, budget and information about the issuance of bonds. Technical staff will be present at each meeting to guide Committee members through the documents and answer questions.

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8. Members must diligently attend meetings. Staff shall maintain meeting attendance records. If a member fails to attend at least fifty percent (50%) of meetings during a calendar year, staff shall prepare and submit to the BART Board of Directors a report detailing the attendance of the member and recommend appropriate action.

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9. The seat will remain open until filled.

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10. The Committee is subject to all provisions of the Ralph M. Brown Act, California Government Code Section 54950 et seq. (as amended), which mandates open meetings for local legislative bodies. The public will be invited to attend all committee meetings.

Deleted: Appointed members must attend 50% of the meetings annually to continue as a member of the Committee. If participation falls below 50%, the alternate will be appointed by the Board to take the place of the appointed member. If both the appointed member and the alternate are unable to continue, the vacancy will be noticed and applications sought. The

11. Staff will prepare minutes of each meeting.

Deleted: the alternate will be appointed by the Board to place of the appointed member. If both the appointed member and the alternate are unable to continue, the vacancy will be noticed and applications sought. The

12. The Committee will publish a public report once per year.

13. Once appointed, Committee members are required to comply with disclosure and conflict of interest requirements of the Political Reform Act of 1974, California Government Code Section 81000 et seq. (as amended), and must complete and file all necessary disclosure documents, including an annual conflict of interest statement. Committee members shall avoid impropriety and the appearance of impropriety, and shall not use their appointed position to further their own financial gain or for any other purpose not directly related to the governmental function they have been appointed to perform. Specifically, Committee membership shall be restricted to individuals without financial interest in any Measure RR program. Committee members are defined as "public officials" (California Government Code Section 82048), and no public official shall make, participate in making, or in any way attempt to use his or her official position to influence a governmental decision in which he or she knows, or has reason to know, he or she has a financial interest. Having a financial interest in a decision is defined by California Government Code Section 87103.

14. Neither the member of the Bond Oversight Committee nor the firm by which they are employed or have an ownership interest in will be eligible to bid on BART Safety, Reliability and Traffic Relief Program work.

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15. Once appointed, Committee members are defined as "officers" and hence are governed by California Government Code Section 3201 et seq. (as amended), relating to political activities. Specifically, political activities, such as soliciting or receiving funds or contributions for a candidate or ballot measure during Committee meetings are prohibited.

16. Following orientation, Committee members shall be responsible for having a working knowledge of the establishing ordinance, by-laws, federal or state mandates or any other governing regulations that define and set forth the intent and purpose of their appointment and shall only represent and act on matters related thereto.

17. The BART Board shall retain the authority to rescind any Committee appointment(s), as deemed necessary.

18. The District shall maintain a public information list of members and designated alternates appointed to the Bond Oversight Committee. The list shall include the name of the appointee, the date the Term expires, and affiliation and/or nominating organization. The list shall be updated annually.

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19. Committee meeting announcements will be posted alongside BART Board meeting notices outside of the BART Board Room Facility.

20. A Bond Oversight Committee section will be included within the BART website. Information about the Bond Oversight Committee and the Committee's Reports shall be posted in this section.

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~~**Deleted: Application and Appointment Procedures**~~

~~<#>Notice of application for appointment to the Citizens' Oversight Committee shall be posted on the BART website and provided to all BART Board Directors, qualified nominating professional organizations and main libraries of the cities within the three BART District counties.~~

~~<#>Three qualified applications are expected to be submitted to BART by all 6 nominating organizations.~~

~~<#>The BART Board will select 7 members and 7 alternates. Applicants recommended by the staff for appointment are expected to attend the selection meeting to answer any questions the Board may have.~~

~~**Certification of Understanding**~~

~~Please return with your completed application form and resume.~~

~~I certify that I have read and understand all the above information included in the Standing Rules, and Application and Appointment Procedures document.~~

~~Signature: -> _____~~

~~Date: -> _____~~

2021 RR Annual Report Outline

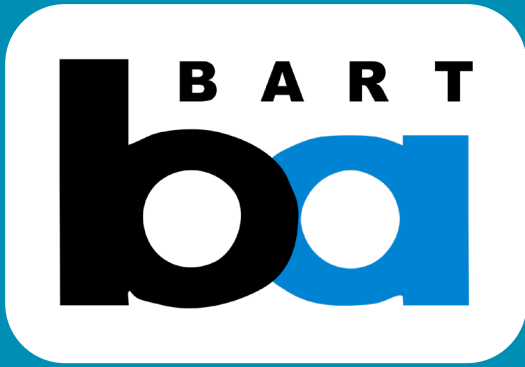
Key comments/guidance from meeting with annual report subcommittee

- COVID impacts on rebuilding to be key theme of report. Desire for individual section on COVID and for impacts to be weaved throughout report.
- Provide greater context. Not only on what progress has been made but how it compares with initial expectations. Work with subcommittee on ideas for new/expanded charts.
- Identify how BART is being efficient with its rebuilding resources.
- Interest in adding an appendix or links to info/data already available on BART.gov. Could include a full project list, hiring breakdown, and bond information.
- Continue to focus and improve on communicating in an easily understood way with as little BART-speak as possible. Explain terms of art to enhance understanding and context.

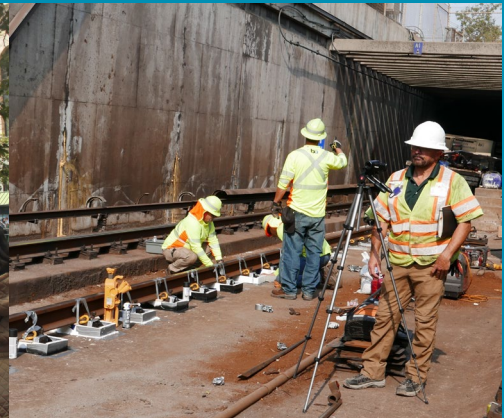
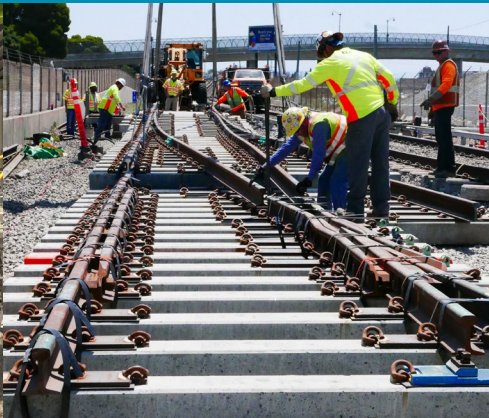
Report Outline

1. Table of Contents
2. Committee Chair Welcome Letter
3. Executive Summary
 - a. Explain what committee is charged with presenting.
 - b. Provide number of projects underway and total spent.
 - c. Mention COVID and foreshadow how it'll be addressed in rest of the report.
 - d. Offer insight on where Measure RR is compared with where we hoped to be at this point.
4. About the Bond Oversight Committee
 - a. List organizations represented on committee and explain its oversight role for RR.
5. Story of Measure RR
 - a. Explain the basics of the bond measure.
 - b. How RR made the ballot/public outreach leading up to vote.
6. BART's rebuilding program responds to the pandemic
 - a. Explore how BART has been able to advance some rebuilding projects.
 - b. What is being done to keep workers safe in this new environment?
 - c. Examine challenges presented by pandemic (supply chain, shifting construction costs, safety)
 - d. Load shedding: What is it and what are the benefits?
 - e. Highlight how BART has been transparent throughout in its response.
7. Highlight most visible projects (will work on title)
 - a. Describe major track work/cable replacement and public outreach for those projects.
 - b. Show steps taken to lessen public impacts track shutdowns/single tracking.
 - c. Describe the depth and level of coordination required to successfully complete major projects.
 - d. Highlight major impacts coming up.
8. The Lifespan of Measure RR
 - a. Revised bar graph that shows expected durations of each of the eight major project categories.
9. Putting People to Work

- a. Highlight/profile those who are making RR projects happen.
 - b. Describe how many jobs created through RR work.
10. Small Business Outreach
 - a. Update status of small business contracts.
 - b. Profile small businesses doing RR work.
 - c. Detail small business outreach efforts.
11. Innovations in Infrastructure
 - a. Based on presentation to BART Board in September.
 - b. Highlight new ideas being implemented to move BART away from being reactive to emphasizing predictive actions.
12. Green Bonds
 - a. Explain what green bonds are and why the designation matters.
 - b. Where things stand after issuance of second tranche of bonds.
13. Measure RR Spending Breakdown
 - a. Chart showing percentage of total bond expended on major project groups.
14. RR – Only Part of the Solution
 - a. Pie chart that shows all funding categories and remaining gap.
 - b. Outline overall rebuilding plan and how RR fits in.
15. Exceeding Bond Requirements
 - a. Explain legal spending requirements.
 - b. Describe whether RR spending is meeting those regulations.
16. Major Project Sections
 - Include system maps to show all projects for each category to highlight on-going RR work.
 - Highlight major accomplishments as well as total amount spent for each section.
 - a. Renew Track
 - b. Renew Power Infrastructure
 - c. Repair Tunnels and Structures
 - d. Renew Mechanical.
 - e. Renew Stations
 - f. Train Control Modernization
 - g. Relieve Crowding
 - h. Access Improvements
17. Committee Activities and Expenditures
 - a. Meeting recaps.
 - b. Expenditure total for committee.



BART Safety, Reliability, and Traffic Relief Program (Measure RR) Update



Bond Oversight Committee
December 18, 2020



Bond Oversight Committee Duties & Responsibilities

- Provide diligent, independent and public oversight over the expenditure of funds from the sale of District general obligation bonds
- Assess how bond proceeds are invested to ensure that all spending is authorized by the ballot measure
- Assess whether projects funded by bond proceeds are completed in a timely, cost-effective and quality manner consistent with the best interest of BART riders and District residents
- Publish an annual report that includes a detailed account of the Committee's activities including its expenditures



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Executive Summary

- Through October 2020, \$689.8M of the Measure RR funds have been invested to complete 23% of the work.
- Successes
 - Received Full Funding Grant Agreement and award Train Control Modernization design-build contract
 - Safe Routes to BART Grant Program – first four projects selected
 - Interlocking projects meeting performance metrics
 - A65 is complete
- Challenges
 - COVID-19
 - Early retirement incentive

# Projects in Planning	# Projects in Design	# Projects in Bid/Award	# Projects in Construction	# Projects Completed	TOTAL # Projects
6 (-1)	45 (-7)	21(-3)	57 (+10)	19 (+1)	148

+ (Projects added in the phase)

- (Projects no longer in the phase)



RR Program Small Business & Outreach



RR Program Update – Small Business

Program	Total RR Commitment	Total RR SB Commitment	SB Commitment %	# of SB Contracts	Total RR Payments on RR Contracts	RR Payments to SBs	SB Payment %
Renew Track	\$102,364,202	\$31,216,203	30%	106	\$58,292,801	\$11,820,537	20%
Renew Power	\$165,282,688	\$81,211,507	49%	160	\$106,780,896	\$64,715,137	61%
Repair Tunnels & Structures	\$106,630,911	\$26,396,902	25%	105	\$59,186,986	\$9,123,265	15%
Renew Mechanical	\$30,343,198	\$10,622,651	35%	55	\$15,645,706	\$5,598,265	36%
Replace Train Control/Increase Capacity	\$10,856,044	\$2,353,513	22%	35	\$7,272,080	\$1,235,048	17%
Renew Stations	\$144,001,101	\$26,379,454	18%	82	\$20,248,238	\$5,602,292	28%
Expand Safe Access to Stations	\$15,404,733	\$4,214,087	27%	92	\$7,754,413	\$2,803,294	36%
Design/Engineer to Relieve Crowding	\$53,462,112	\$14,193,410	27%	47	\$10,305,042	\$4,794,689	47%
Total	\$ 628,344,990	\$196,587,727	31%	681	\$285,486,163	\$105,692,526	37%

Notes: All amounts are based on RR fund percent only. Amounts are updated to November 13, 2020. Includes formal contracts only; does not include informal purchases or work performed by BART's own forces. SB totals include DBEs, MSBEs, SBs, and LSBs. Sources: RR commitments are based on RR Requisitions report, Procurement Sealed Bids Report and PeopleSoft Work Plans application. RR% for each project is based on Financial Analysts' report, RR Funds / Total Project Budget. Payments based on PeopleSoft and B2GNow.



RR Program Update – Outreach



- Recently Completed Events
 - BART SB Outreach - Meet Project Staff and Learn About Upcoming RR Opportunities
 - BART SB Outreach - How to do Business with BART
 - BART SBSS - Ask Me Anything (Estimating & Bidding)
 - BART SBSS - Ask Me Anything (Finance & Administration)



- Upcoming Events
 - BART SBSS - Technical Assistance “Help Desk”
 - BART SB Outreach – Learn About BART’s Procurement Process
 - BART SB Outreach - Meet Project Staff and Learn About Upcoming RR Opportunities



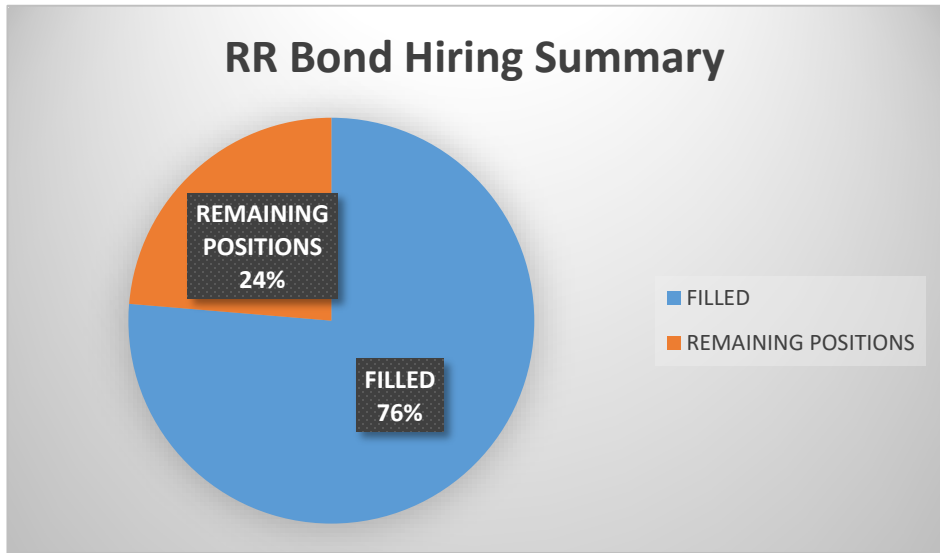
RR Program Hiring



Recruitment

Bond Hiring Summary- To Date	# of Positions
FILLED	332
REMAINING POSITIONS	103
	435

- 332 positions filled to date
- 76% of hiring goal fulfilled to date
- Load Shedding
- 20 positions – pending recruitments



Load Shedding Operating to Capital due to Service Reduction

Next Quarter staffing load shedding estimated 110 for temporary reallocation to take advantage of increased blanket time

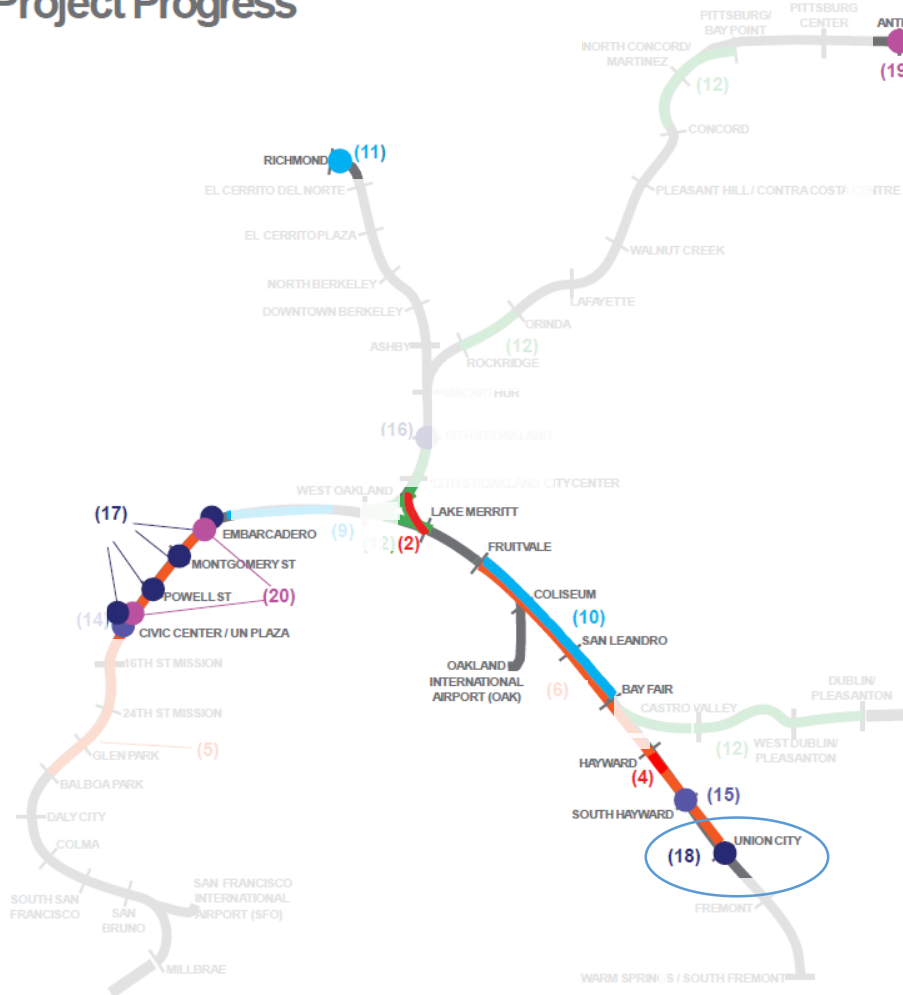


Work Progress Since Last Meeting



Updated Projects

Measure RR - Project Progress



Renew Track

- 1 Replace Direct Fixation Pads (Systemwide Not Mapped) – Ongoing Construction
- 2 Oakland Yard Track Geometry Vehicle Storage Shed – NTP Issued*
- 3 Rail Relay – Ongoing Construction - (Systemwide Not Mapped)
- 4 A65 Track Interlocking Replacement – Ongoing Construction*

Renew Power Infrastructure

- 5 M-Line 34.5kV Cable Replacement - Ongoing Construction
- 6 A-Line 34.5kV Cable Replacement – Contract Awarded
- 7 Third Rail Replacement (Systemwide Not Mapped) – Ongoing Construction

Renew Tunnel & Structures

- 8 Substation Walls – Ongoing Construction (Systemwide Not Mapped)*
- 9 Earthquake Safety Program – Transbay Tube Retrofit – Ongoing Construction
- 10 Aerial Fall Protection A line North – Contract Awarded*
- 11 Richmond Yard Fence Rehabilitation – Contract Awarded*

Renew Mechanical

- 12 Coverboard Enhancement – Ongoing Construction
- 13 Facilities HVAC Equipment Replacement System Wide Phase 1 - Ongoing Construction (Not Mapped)

Design/Engineer to Relieve Crowding

- 14 Civic Center Scissor Stairs – Ongoing Construction
- 15 Hayward Maintenance Complex Phase 2 - Trackwork Procurement – Contract Awarded*

Renew Stations

- 16 19th Street Station Modernization – Ongoing Construction
- 17 Market Street Canopies and Escalator – Ongoing Construction*
- 18 Union City Station Modernization - Ongoing Construction*

Expand Safe Access

- 19 eBART Antioch Parking Lot Contract – Ongoing Construction*
- 20 Embarcadero and Civic Center Bike Station Modernization – Project Close Out*
- 21 Safe Route to BART Grant Program – Launched (Not Mapped)

Replace Train Control/Increase Capacity

- 22 CBTC Design Build Contract – NTP (Systemwide Not Mapped)

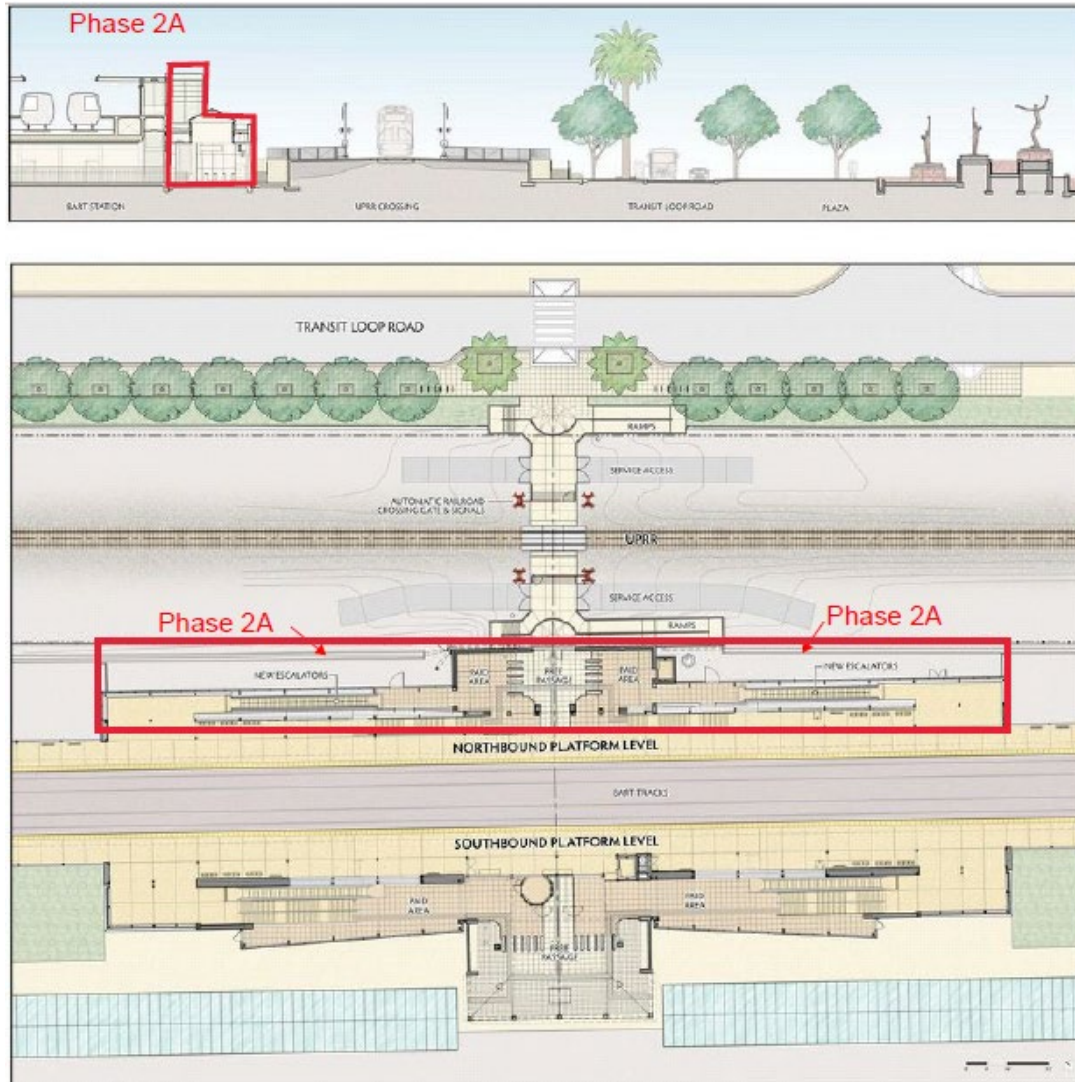


Union City Station East Side Elevation Rendering





Phase 2A Improvement Project Plan





View of the Original East Side





Union City - Phase 2A

This project will provide the following improvements to
Union City Station

- Create a new station entrance on the East side (previously the station was only accessible from the west side)
- Install two new escalators
- Provide two sets of stairs (one new, one retrofitted)
- Expand platform and canopy
- Add wayfinding signage
- Add LED Lighting



Another View of Original East Side





Eastside Elevation Rendering





Construction on East Side





Construction on East Side





Construction on the East Side





Construction on the East Side





Construction on the East Side





Current Progress

- Structural steel erection is 100% complete for both North and South side.
- Structural concrete work is 95% complete
- Fire proofing, fire suppression system, glass, roofing and LED lighting installation in progress.
- Both escalator trusses are in position. Schindler is working on finalizing installation and commissioning.



Next Steps

- Open the new platform, escalator and vestibule on South end – Spring 2021
- Open the second platform, escalator and vestibule on North end – early Fall 2021



Union City Station Modernization : West Entrance





Individual Program Milestones



Renew Track

STATUS & MILESTONES

EXPENDED Thru 10/2020: \$223.6

FORECAST Thru 9/2023: \$382

TOTAL PROGRAM VALUE: \$625

PERIOD CASHFLOW: \$22.4

STATUS – Renew Track

# Projects in Planning	# Projects in Design	# Projects in Bid/Award	# Projects in Construction	# Projects Completed	TOTAL # Projects
1	3	3	8	5	20

MILESTONES

Completed (Aug 2020 – Oct 2020)	Q2 (Nov 2020 – Dec 2020)	Q3 (Jan 2021 – Mar 2021)	Q4 (Apr 2021 – Jun 2021)
<ul style="list-style-type: none"> NTP for Oakland Yard Track Geometry Vehicle Storage Shed <i>Completion of Construction Shutdowns for A65 Interlocking Replacement (near Hayward Yard)</i> 	<ul style="list-style-type: none"> Mobilization/Construction Begin for R65 Interlocking Replacement (near Richmond Station) Mobilization/Construction Begin for Oakland Yard Track Geometry Vehicle Storage Shed <i>Completion of Construction of C25</i> 	<ul style="list-style-type: none"> Completion of Construction Shutdowns for R65 Interlocking Replacement (near Richmond Station) Issue for Bid for Special Trackwork for A77 Interlocking Replacement (Near Hayward Yard) 	<ul style="list-style-type: none"> Completion of Construction Shutdowns for A75 Interlocking Replacement (near Hayward Yard)

Watchlist:

- Material delivery

Italic: Modified milestones from previous report.



Renew Power STATUS & MILESTONES

EXPENDED Thru 10/2020: \$258.6

FORECAST Thru 9/2023: \$573

TOTAL PROGRAM VALUE: \$1,225

PERIOD CASHFLOW: \$21.5

STATUS – Renew Power Infrastructure

# Projects in Planning	# Projects in Design	# Projects in Bid/Award	# Projects in Construction	# Projects Completed	TOTAL # Projects
0	7	5	15	2	29

MILESTONES

Completed (Aug 2020 – Oct 2020)	Q2 (Nov 2020 – Dec 2020)	Q3 (Jan 2021 – Mar 2021)	Q4 (Apr 2021 – Jun 2021)
<ul style="list-style-type: none"> • NTP for Transbay Tube East Bay Substation Installation • Completion of Design for Station Fire Alarm Replacement Phase 3 • NTP for A-line 34.5kV Replacement (Alameda County) 	<ul style="list-style-type: none"> • Completion of Design for 34.5kV Blocking Scheme Systemwide • Issue for Bid Station Fire Alarm Replacement-Phase 3 • Complete Commissioning of new Substation at San Leandro Station 	<ul style="list-style-type: none"> • Contract Award for R Line 34.5kV Cable Replacement • Completion of Design for Station Fire Alarm Replacement Phase 4 • <i>Planning for Tunnel Lighting Replacement Phase 2 by BART forces</i> 	<ul style="list-style-type: none"> • Issue for Bid Traction Power Substation Replacement – Walnut Creek Station

Watchlist:

- R-Line 34.5kV Bids and Evaluation

Italic: Modified milestones from previous report.



Tunnels & Structures

STATUS & MILESTONES

EXPENDED Thru 10/2020: \$63.4

FORECAST Thru 9/2023: \$136

TOTAL PROGRAM VALUE: \$570

PERIOD CASHFLOW: \$8.5

STATUS – Repair Tunnels & Structures

# Projects in Planning	# Projects in Design	# Projects in Bid/Award	# Projects in Construction	# Projects Completed	TOTAL # Projects
1	12	1	8	4	26

MILESTONES

Completed (Aug 2020 – Oct 2020)	Q2 (Nov 2020 – Dec 2020)	Q3 (Jan 2021 – Mar 2021)	Q4 (Apr 2021 – Jun 2021)
<ul style="list-style-type: none"> <i>NTP for Aerial Fall A-Line North</i> <i>Executed de-scoping Change Order for the Transbay Tube Project</i> 	<ul style="list-style-type: none"> Completion of Construction for Platform Rehabilitation at Hayward Station 	<ul style="list-style-type: none"> Completion of Construction for Substation Walls <i>NTP for Richmond Yard Fence Rehabilitation</i> <i>Completion of Construction for Safety Barriers by Contractor</i> <i>Construction begin for Aerial Fall Protection A Line North</i> 	<ul style="list-style-type: none"> <i>Issue for Bid Cross Passage Doors (Systemwide)</i>

Watchlist:

- East Bay Street Grates (moved to perform by BART forces)
- Cross Passage Doors (Systemwide)

Italic: Modified milestones from previous report.



Renew Mechanical

STATUS & MILESTONES

EXPENDED Thru 10/2020: \$39.0

FORECAST Thru 9/2023: \$77

TOTAL PROGRAM VALUE: \$135

PERIOD CASHFLOW: \$8.7

STATUS – Renew Mechanical

# Projects in Planning	# Projects in Design	# Projects in Bid/Award	# Projects in Construction	# Projects Completed	TOTAL # Projects
1	6	6	11	1	25

MILESTONES

Completed (Aug 2020 – Oct 2020)	Q2 (Nov 2020 – Dec 2020)	Q3 (Jan 2021 – Mar 2021)	Q4 (Apr 2021 – Jun 2021)
<ul style="list-style-type: none"> • Construction Begin for Vacuum System Replacement (Oakland Yard) 	<ul style="list-style-type: none"> • Completion of Construction Concord Yard Fire Services • Completion of Design for Hayward Yard Fire Services • Construction Begin for Oakland Yard fire Services 	<ul style="list-style-type: none"> • Completion of Construction for Rotoclones Replacement 	<ul style="list-style-type: none"> • Completion of Construction Coverboard Enhancement • Construction start for Replace Fire Suppression System at LMA & Computer Room Fire Protection • Contract Award of Design for Concord Yard Turntable Replacement • <i>Advertise the Concord Yard Wheel Truing Machine</i>

Watchlist:

- Combining Gas Line Corrosion Assessment scope with Richmond Yard Fire Services
- Unforeseen site conditions for Concord Yard Fire Service

Italic: Modified milestones from previous report.



Replace Train Control

STATUS & MILESTONES

EXPENDED Thru 10/2020: \$28.2

FORECAST Thru 9/2023: \$89

TOTAL PROGRAM VALUE: \$400

PERIOD CASHFLOW: \$0.9

STATUS – Replace Train Control / Increase Capacity

# Projects in Planning	# Projects in Design	# Projects in Bid/Award	# Projects in Construction	# Projects Completed	TOTAL # Projects
0	0	4	1	0	5

MILESTONES

Completed (Aug 2020 – Oct 2020)	Q2 (Nov 2020 – Dec 2020)	Q3 (Jan 2021 – Mar 2021)	Q4 (Apr 2021 – Jun 2021)
<ul style="list-style-type: none"> • Notice to Proceed (NTP) for CBTC Construction Management Agreements • NTP for CBTC Design Support During Construction Agreements • Notice of Award & Contract Execution for CBTC Design Build Contract/Mobilize • OCIP Coverage/ Notice to Proceed for CBTC 	<ul style="list-style-type: none"> • <i>Notice to Proceed for CBTC Design Build Contract/Mobilize</i> • <i>Start Conceptual Design for CBTC Design Build Contract</i> • <i>Issue CBTC Change Notice for Cost Proposal to Bombardier for D-Car Retrofit Design</i> 	<ul style="list-style-type: none"> • <i>Advertise Power Supply Cabinets & Switch Machine/Train Control</i> • <i>Issue CBTC NTE Change Notice to Bombardier for Conceptual Design Review</i> • <i>Issue CBTC NTE Change Notice for Hitachi to bring Bombardier in as a Subcontractor for Preliminary Design, Final Design and for D-Car Retrofit implementation</i> • <i>CBTC Baseline Schedule submitted and approved</i> 	<ul style="list-style-type: none"> • <i>Complete CBTC Conceptual Design Review</i> • <i>Start CBTC Preliminary Design Review</i> • <i>Open Bids - Power Supply Cabinets & Switch Machine/Train Control</i>

Watchlist:

- None

Italic: Modified milestones from previous report.



Renew Stations

STATUS & MILESTONES

EXPENDED Thru 10/2020: \$24.0

FORECAST Thru 9/2023: \$125

TOTAL PROGRAM VALUE: \$210

PERIOD CASHFLOW: \$2.7

STATUS – Renew Stations

# Projects in Planning	# Projects in Design	# Projects in Bid/Award	# Projects in Construction	# Projects Completed	TOTAL # Projects
1	2	0	6	0	9

MILESTONES

Completed (Aug 2020 – Oct 2020)	Q2 (Nov 2020 – Dec 2020)	Q3 (Jan 2021 – Mar 2021)	Q4 (Apr 2021 – Jun 2021)
<ul style="list-style-type: none"> Completed for El Cerrito Del Norte: <ul style="list-style-type: none"> Fire water line 40kva emergency lighting UPS Construction of bus island, roadway, and associated amenities Market St. Escalator Project - Removed existing escalators in preparation for new equipment at 3 locations 	<ul style="list-style-type: none"> Market St. Escalator Project - Perform factory inspection of escalators Begin Hazmat abatement work for Powell St. Station Modernization Complete 100% Design for Walnut Creek TOD North Stairs 19th St. Modernization – Complete construction of staircase modernization at 1 location 	<ul style="list-style-type: none"> Market St. Escalator Project - Begin installation of 2nd group of escalators Powell St. Station Modernization – Begin lighting improvements 	<ul style="list-style-type: none"> Begin modifications of existing stations in preparation for canopy construction Southeast Escalator Commissioning & Turnover completion for Union City Station Modernization Substantial Completion for El Cerrito Del Norte

Watchlist:

- Funding Walnut Creek TOD North Stairs Construction

Italic: Modified milestones from previous report.



Station Access STATUS & MILESTONES

EXPENDED Thru 10/2020: \$19.5

FORECAST Thru 9/2023: \$37

TOTAL PROGRAM VALUE: \$135

PERIOD CASHFLOW: \$1.3

STATUS – Expand Safe Access to Stations

# Projects in Planning	# Projects in Design	# Projects in Bid/Award	# Projects in Construction	# Projects Completed	TOTAL # Projects
0	11	1	7	6	25

MILESTONES

Completed (Aug 2020 – Oct 2020)	Q2 (Nov 2020 – Dec 2020)	Q3 (Jan 2021 – Mar 2021)	Q4 (Apr 2021 – Jun 2021)
<ul style="list-style-type: none"> Embarcadero and Civic Center Bike Station Modernization complete and closed out <i>Safe Routes to BART Grant Program – Selected first 4 projects</i> 	<ul style="list-style-type: none"> <i>Award and execute funding agreements with jurisdiction for Safe Routes to BART (SR2B) Grant Program</i> <i>Begin planning with BART forces for Bicycle Stair Channel project</i> 	<ul style="list-style-type: none"> <i>Begin work with BART forces to construct the bicycle stair channels at seven stations</i> <i>Submit Accessibility Improvement (Phase 1) Bid Documents to Procurement to prepare for advertising</i> <i>Initiate Construction of the San Francisco 5th Street project (SR2B)</i> 	<ul style="list-style-type: none"> <i>Substantial Completion for eBART Antioch Parking Lot Contract</i> <i>Advertise Accessibility Improvement (Phase 1)</i> <i>Construction Completion of the Warm Springs West Pedestrian Bridge and Plaza Project</i> <i>Initiate Construction of Pittsburg Center and Dublin/Pleasanton projects (SR2B)</i>

Watchlist:

- None

Italic: Modified milestones from previous report.



Relieve Crowding

STATUS & MILESTONES

EXPENDED Thru 10/2020: \$33.5

FORECAST Thru 9/23: \$76

TOTAL PROGRAM VALUE: \$200

PERIOD CASHFLOW: \$7.2

STATUS – Design / Engineer to Relieve Crowding

# Projects in Planning	# Projects in Design	# Projects in Bid/Award	# Projects in Construction	# Projects Completed	TOTAL # Projects
2	4	1	1	1	9

MILESTONES

Completed (Aug 2020 – Oct 2020)	Q2 (Nov 2020 – Dec 2020)	Q3 (Jan 2021 – Mar 2021)	Q4 (Apr 2021 – Jun 2021)
<ul style="list-style-type: none"> Advertised contract for professional planning services to support the New Transbay Rail Crossing (NTRC) Program (Outreach & Engagement, Travel Demand & Land Use, Planning & Engineering, Environmental) Awarded and NTP Hayward Maintenance Complex Phase 2: (Mainline) Trackwork Procurement Advertised Hayward Maintenance Complex Phase 2: Civil/Grading 	<ul style="list-style-type: none"> Evaluate bids for Hayward Maintenance Complex Phase 2: Civil/Grading 	<ul style="list-style-type: none"> Award and NTP for Hayward Maintenance Complex Phase 2: Civil/Grading Award and NTP for Hayward Maintenance Complex Phase 2: Trackwork Procurement Evaluate Proposals for the NTRC Program Begin Steel Erection for Civic Center Station Scissor Stairs Complete Redesign for Embarcadero New Platform Elevator 	<ul style="list-style-type: none"> Award for contracts NTRC Program Advertise Embarcadero New Platform Elevator

Watchlist:

- Funding for Embarcadero Platform Elevator

Italic: Modified milestones from previous report.



Budget and Schedule Status



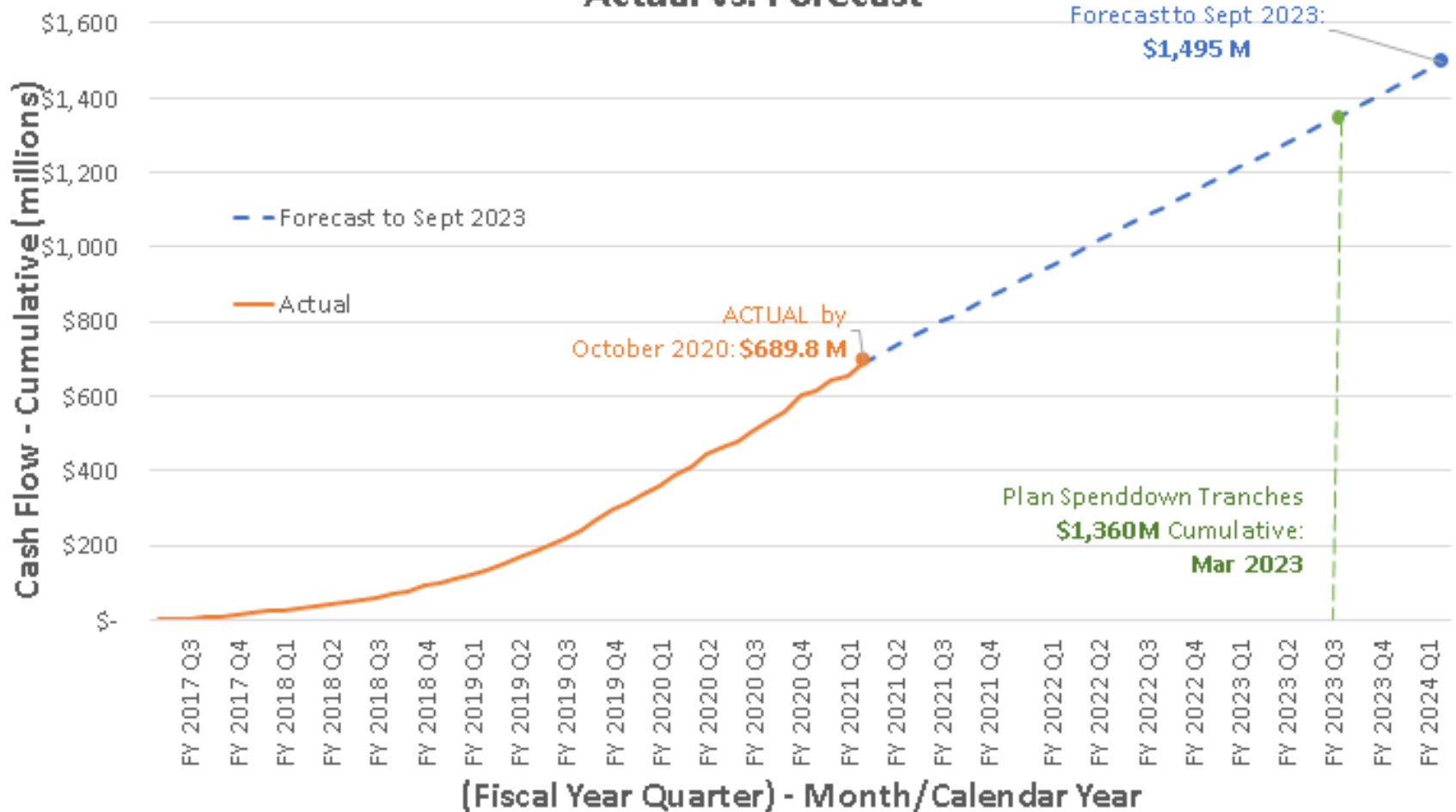
Measure RR Cashflow (\$ Millions) – Mid-Term & Long-Term Outlook

Program	Expended (thru July 2020)	Expended (thru October 2020)	Period Cashflow (August 2020 - October 2020)	% Expended out of Total Bond Investment	Forecast Expenditures		
					SHORT- TERM (thru September 2023)	MID-TERM (thru 2025)	LONG-TERM (thru End of Bond)
Renew Track	\$201.2	\$223.6	\$22.4	36%	\$382	\$400	\$625
Renew Power Infrastructure	\$237.1	\$258.6	\$21.5	21%	\$573	\$608	\$1,225
Repair Tunnels & Structures	\$54.9	\$63.4	\$8.5	11%	\$136	\$268	\$570
Renew Mechanical	\$30.3	\$39.0	\$8.7	29%	\$77	\$65	\$135
Replace Train Control/Increase Capacity	\$27.3	\$28.2	\$0.9	7%	\$89	\$286	\$400
Renew Stations	\$21.3	\$24.0	\$2.7	11%	\$125	\$148	\$210
Expand Safe Access to Stations	\$18.2	\$19.5	\$1.3	14%	\$37	\$86	\$135
Design/Engineer to Relieve Crowding	\$26.3	\$33.5	\$7.2	17%	\$76	\$69	\$200
Total	\$616.6	\$689.8	\$73.2	20%	\$1,495	\$1,930	\$3,500



RR Overall Program Budget Progress

BART Measure RR Program Spending Actual vs. Forecast





Earned Value Rollup by Program

RR Program	Total RR Budget	Physical % Complete	Planned Value	Earned Value	RR Accrued to Date	CPI	SPI
Renew Track	\$625	42%	\$258.31	\$263.30	\$262.51	1.00	1.02
Renew Power	\$1,225	25%	\$358.78	\$304.35	\$325.44	0.94	0.85
Repair Tunnels and Structures	\$543	13%	\$82.23	\$68.97	\$71.01	0.97	0.84
Renew Mechanical	\$162	29%	\$50.51	\$47.00	\$42.52	1.11	0.93
Replace Train Control/ Increase Capacity	\$400	7%	\$39.89	\$29.10	\$33.71	0.86	0.73
Renew Stations	\$210	11%	\$27.56	\$22.20	\$21.09	1.05	0.81
Expand Safe Access to Stations	\$135	20%	\$30.98	\$26.80	\$27.16	0.99	0.87
Design/Engineer to Relieve Crowding	\$200	17%	\$41.07	\$34.19	\$35.26	0.97	0.83
Total	\$3,500	23%	\$889.33	\$795.91	\$818.70	0.97	0.89



Track Program Drill Down

Project	Count
Number of Projects (>25% Spent)	14
CPI <0.9 or >1.1	4
SPI <0.9 or >1.1	1
Number of Risk Register Updates Performed in Previous Period	5
Number of Project Quality Reviews Performed in Previous Period	26

Project	Physical % Complete	CPI	SPI	Comments
C25 Interlocking Replacement	92%	1.14	1.00	4 turnouts replaced; Construction cost less than planned
Replace Direct Fixation Pads	76%	1.16	2.15	44,120 pads replaced; Benefitting from extended blanket hours due to COVID-19 response
R65 Interlocking Replacement	39%	1.14	0.99	Realized design efficiencies
Switch Replacement	31%	0.84	0.97	Material cost exceeded plan. Expecting to recover cost through self performed work



Power Program Drill Down

Project	Count
Number of Projects (>25% Spent)	10
CPI <0.9 or >1.1	4
SPI <0.9 or >1.1	5
Number of Risk Register Updates Performed in Previous Period	5
Number of Project Quality Reviews Performed in Previous Period	13

Project	Physical % Complete	CPI	SPI	Comments
Transbay Tube Emergency Generator	59%	0.86	0.78	Redesign due to unforeseen site conditions
M Line 34.5kV Cable Replacement	53%	1.18	1.02	6.7 mi of cable installed. Benefitting from extended blanket hours due to COVID-19 response
Train Control Room UPS Replacement	48%	1.60	0.79	Construction cost less than planned
K Line 34.5kV Cable Replacement	44%	0.91	0.69	Two circuits complete. Strategic resequencing of work. No impact to overall program
34.5kV Blocking Scheme	30%	0.79	0.45	Self-performing remaining design to reduce cost and recover schedule. Forecasted to be on budget. Schedule delay does not impact program
Cast Coil Transformer Replacement	29%	0.91	0.64	Rejected all bids. Review strategies to mitigate impacts to budget and schedule.



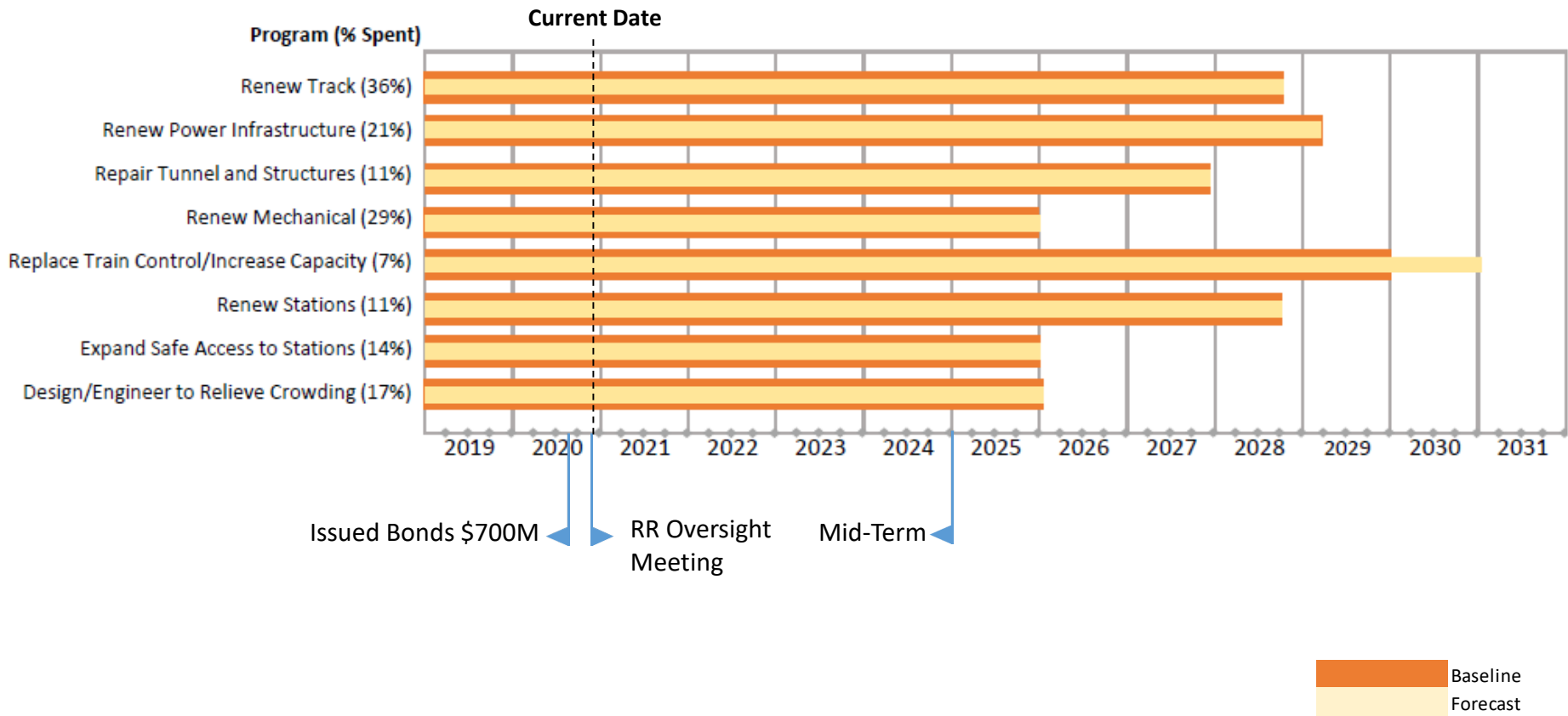
Mechanical Program Drill Down

Project	Count
Number of Projects (>25% Spent)	16
CPI <0.9 or >1.1	4
SPI <0.9 or >1.1	7
Number of Risk Register Updates Performed in Previous Period	4
Number of Project Quality Reviews Performed in Previous Period	8

Project	Physical % Complete	CPI	SPI	Comments
Install L Line Wet Standpipe	99%	0.99	1.12	Schedule benefit from combining scope with Hayward Yard Fire Services
Install Access Ladders	87%	0.94	1.19	Benefitting from extended blanket hours due to COVID-19 response
Gas Lines Corrosion Assessment	65%	1.20	0.81	Combining project scopes to reduce cost
Richmond Yard Fire Services	64%	1.02	1.40	Benefitting from extended blanket hours due to COVID-19 response
Rotoclones Replacement (Wet Dust Collectors)	51%	1.04	0.78	Contractor delay
Replace Backflow Preventers	39%	1.21	0.86	No bidders. Self-performing to recover schedule
Vacuum Systems Replacement	29%	0.70	0.75	COVID delay



Program Level Schedule Update



Future updates may include additional projects as programs mature.



Next Steps

- Ongoing Development:
 - East Bay Substation Repackaging for Bid
 - Manage resources as a result of the early retirement incentive
- Under Development
 - March 2021 Bond Oversight Meeting