

SAN FRANCISCO BAY AREA RAPID TRANSIT DISTRICT
2150 Webster Street, P. O. Box 12688, Oakland, CA 94604-2688

NOTICE OF MEETING AND AGENDA
BOND OVERSIGHT COMMITTEE

Friday, September 20, 2024
9:30 a.m. – 12:00 p.m.

COMMITTEE MEMBERS: Chairperson Michael McGill, Vice Chairperson Cindy Simon Rosenthal, Vinit Shrawagi, Sonja C. Stewart, Janey Wang, Suzanne Loosen

A Meeting of the Bond Oversight Committee will be held on Friday, September 20, 2024, at 9:30 a.m. in the BART Board Room, 2150 Webster Street, 1st Floor, Oakland, California 94612.

This will be an In-Person Meeting in the BART Board Room, 2150 Webster Street, 1st Floor, Oakland, California 94612 with an option for public participation via teleconference.

Presentation materials will be available via Legistar at <https://bart.legistar.com>

You may attend the Committee Meeting in person or join the Committee Meeting via Zoom by calling 1 (833) 548-0282 and entering **access code** 835 4086 2008; logging in to Zoom.com and entering **access code** 835 4086 2008; or typing the following Zoom link into your web browser: (<https://us06web.zoom.us/j/83540862008>)

If you wish to make a public comment:

1. Submit written comments via email to measurercommittee@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. of the day of the Committee meeting in order to be included in the record.
2. Appear in person and request to make a public comment.
3. **Call** 1 (833) 548-0282, enter **access code** 835 4086 2008, dial *9 to raise your hand when you wish to speak, and dial *6 to unmute when you are requested to speak; log in to Zoom.com, enter **access code** 835 4086 2008, and use the raise hand feature; or join the Committee Meeting via the Zoom link (<https://us06web.zoom.us/j/83540862008>) and use the raise hand feature.

Public comment is limited to three (3) minutes per person. If public comment is by phone, your phone will be muted until you are called upon.

AGENDA

1. **Call to Order** (9:30 am – 9:35 am)
 - A. Roll Call
2. **General Public Comment** (9:35 am – 9:45 am)
3. **Administrative Items:** (9:45 am – 9:55 am)

- A. Approval of June 21, 2024 Meeting Minutes (For Discussion/Action)
 - B. Review Tentative Meeting Schedule for July 1, 2025 – June 30, 2026 Term (For Discussion)
 1. Tentative Meeting Schedule: September 19, 2025, January 16, 2026, April 17, 2026, June 19, 2026
 - C. Discuss AB 1234 Ethics Training Schedule (For Discussion)
4. **Annual Report Committee Debrief July 11th Board Presentation** (For Discussion 9:55 am – 10:05 am)
 5. **Measure RR BART Safety, Reliability and Traffic Relief Program Presentation**
 - A. Measure RR Overall Progress (For Discussion 10:05 am – 10:20 am)
 1. Committee Q&A (10:20 am – 10:30 am)
 - B. **10 Minute Break** (10:30 am – 10:40 am)
 - C. Measure RR Program Updates (For Discussion 10:40 am – 11:00 am)
 1. Office of Civil Rights (For Discussion)
 1. Committee Q&A (11:00 am – 11:10 am)
 - D. Program Status & Milestones (For Discussion 11:10 am – 11:20 am)
 1. Committee Q&A (11:20 am – 11:30 am)
 6. **Future Agenda Items & Questions** (For Discussion 11:30 am – 11:40 am)
 1. Update on Member Election (For Information)
 7. **Committee Member Announcements** (For Discussion 11:40 am – 11:50 am)
 8. **General Public Comment** (11:50 am – 12:00 pm)
 9. **Adjournment** (12:00 pm)

BART provides services/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.

Key Dates:

- **Wednesday, September 11, 2024 at Noon**
 - Deadline to submit final PowerPoint to Mickey at Noon
- **Thursday, September 12, 2024**
 - Q Drive Posting
- **Friday, September 14, 2024 at 4 pm**
 - E-Mailout

San Francisco Bay Area Rapid Transit District

Measure RR Program

BART Bond Oversight Committee

Friday, June 21, 2024

9:30 AM – 12:00 PM

Draft Minutes

Agenda Item	Meeting Notes
1. Call to Order	9:30am Chair McGill calls meeting to order
A. Roll Call	Staff conducts roll call. Wang and Rosenthal absent. All other members present.
2. Public Comment	Director Raburn made a comment expressing appreciation for Bond Oversight Committee's work and partnership with BART Staff. Aleta Dupree made a comment expressing the importance of Bond Oversight Committee and staying on top of Measure RR work. No written public comment was received. No comments on Zoom.
3. Meeting Minutes	Loosen, recommends adding a summary of written comments received during the last meeting. Motion Loosen. Second Stewart. Roll Call Vote. Motion Passes. 3 Yes, 1 Abstain Administrative Item: Introduction of Rudy Garza, Director of the Office of Civil Rights. Rudy Garza, Director of the Office of Civil Rights, provided greetings to the committee.
4. 2024 Annual Report Draft	Annual Report Subcommittee members include: Sharwagi (Subcommittee Chair), Loosen, Rosenthal Chris Filippi, BART Communications, presents updates made to draft Annual Report and recommendations from the Annual Report Subcommittee. Chris also provided an overview of the Annual Report process explaining that significant input was provided by Subcommittee members, four (4) meetings were held to review drafts and offer revisions.

Sharwagi, Annual Report Subcommittee Chair, provided comments on the Annual Report and described that a holistic approach was taken, with multiple iterations and many enhancements were made. Sharwagi thanked the subcommittee members and BART Staff, especially to Chris Filippi, BART Communication Officer, who supported the process to make improvements to the report.

Loosen (subcommittee member), provided appreciation to the subcommittee members and BART staff. It was a good opportunity to ask questions and provide input to make this an engaging report for the public. Updates were made to the report to reflect the current arch of the program, and where we are today. Some items were moved to the appendix to enhance readability of the report.

Committee Member Comments:

Chair McGill expressed appreciation and commended the efforts of the subcommittee. The report is in good shape and shows that Measure RR is on track as approved by voters.

Public Comments:

Director Raburn made comments and appreciated showing the first graphic on the timeline. Suggest including the expected completion date, to reinforce the expected closing date after each category.

Aleta Dupree made comments on the Annual Report reflecting on the importance of the report. Recommends continuing the escalator program in San Francisco beyond downtown stations.

No comments were received on Zoom.

Motion to adopt 2024 Measure RR Annual Report.

Motion Stewart. Second Loosen. Roll Call Vote. Motion Unanimously Passes.

Measure RR Annual Report will be presented at the July 11th BART Board Meeting. Sharwagi and

	<p>Vice Chair Rosenthal (alternate) were appointed to present the Annual Report at the Board Meeting.</p>
<p>5. Annual Review of BART Safety, Reliability and Traffic Relief Program (Measure RR)</p>	<p>Rachel Russell, Measure RR Program Manager presented the Bond Oversight Committee Framework quarterly agenda.</p> <p>Joy Sharma, Chief Delivery Officer, presented an overview of the Annual Review of the Measure RR program.</p>
<p>A. Measure RR Project Success</p>	<p>Russell, Measure RR Program Manager presented an overview of Measure RR Project Success for 2023-2024.</p> <p>Zech Amare, Assistant Chief Infrastructure Delivery Officer presented an overview of two successful projects: Market Street Entry Canopies and Escalators Renovation.</p> <p>Russell, Measure RR Program Manager presented an overview of the Aerial Fall Protection Project.</p> <p>Committee Member Comments: Sharwagi would like to confirm that the canopies are additions and previously did not exist at downtown stations and asked what prompted the need for the canopy.</p> <p>Amare, Assistant Chief Infrastructure Delivery Officer, responded that the new building code requires newly renovated escalators to be covered, and canopies provide security benefits, the canopies have motorized gates to lock the entrances at the street level when stations are closed.</p> <p>Chair McGill asked if the canopies were identified in the list of RR projects.</p> <p>Sylvia Lamb, Assistant General Manager Infrastructure Delivery, replied canopies and escalators were identified and planned before receiving Measure RR funding and these projects were included in the Measure RR program as a funding mechanism.</p> <p>Loosen, expressed appreciation for the canopies as a way to maintain the escalators. Loosen asked</p>

what is meant by environmentally friendly on page 16th.

Amare, Assistant Chief Infrastructure Delivery, responded that escalators have energy efficiency sensors that help adjust speed based on usage.

Lamb, Assistant General Manager Infrastructure Delivery, replied new escalators also have remote monitoring capabilities that allow crews to respond faster resulting in less maintenance needs and less downtime. Additionally, the materials used are also more environmentally friendly than previous materials.

Chair McGill, referenced the Coordination with Stakeholders photo on page 13 and asked how was this conflict resolved.

Amare, Assistant Chief Infrastructure Delivery, replied that work was re-sequenced.

Lamb, Assistant General Manager Infrastructure Delivery, mentioned that our Government and Community Relations team is in constant communication with local businesses and informed the committee that there are monthly meetings to deconflict with other projects.

Chair McGill, referenced the Project Schedule and Sequencing photo on page 13 and asked does this picture show challenges with getting the escalator into the canopy container.

Lamb, Assistant General Manager Infrastructure Delivery, responded, yes, this photo shows that these two projects go hand and hand, and as you can see it's a tight fit to install the escalator truss when the canopy is there.

Chair McGill, page 13 Holiday Moratorium, when is work not permitted.

Lamb, Assistant General Manager Infrastructure Delivery, explained that the Holiday Moratorium is held between Thanksgiving – New Years and early in the project, we thought that the moratorium would be a huge impact on the

schedule. To date we have built strong relationships with the business and have not noticed as much restrictions as originally planned. We work with businesses to minimize laydown areas to maximize sidewalk room to allow for walking and shopping during the Holiday season.

Chair McGill referenced page 14 and asked what did you learn from the challenges of installing the 5 canopies?

Amare, Assistant Chief Infrastructure Delivery, replied before going to job site we conduct additional utilities scanning. We work with city public works to relocate utilities if needed. Also learned about the need to support and promote collaboration between contractors and subcontractors.

Lamb, Assistant General Manager of Infrastructure Delivery, mentioned that one lesson learned is related to dealing with the supply chain, especially for glass. There is a need to buy a lot of material at once, but then we are faced with challenges related to storing that material and when dealing with glass, we need to be able to replace broken glass quickly.

Chair McGill asked, how do you coordinate with agencies in advance of beginning work.

Amare, Assistant Chief Infrastructure Delivery, mentioned there is a standing meeting as part of the Better Market Street planning effort to provide information on status of the job and hear what other efforts are taking place in the area.

Chair McGill, referenced page 16, and asked how entry canopies, meet code requirements.

Lamb, Assistant General Manager of Infrastructure Delivery, replied, the original codes did not require canopies over the escalators when the escalators were originally built. The code has changed in the last 20 years to require covers on renovated escalators.

	<p>Sharwagi asked when codes change, does the City provide time to make changes?</p> <p>Lamb, Assistant General Manager of Infrastructure Delivery, replied, we are not required to make changes based on a newly adopted code, but if you are going to build something new, we are required to build it based on the new code requirements.</p>
<p>B. 10-Minute Break</p>	<p>6 min break</p>
<p>C. Preview of Next Year’s Projects by Program</p>	<p>Russell, Measure RR Program Manager presented an overview of 2024 – 2025 projects.</p> <p>Chair McGill requested a brief overview of the public distribution process for the Measure RR Annual Report.</p> <p>Filippi, BART Communications Officer, responded there will be a news release with a link to the Measure RR Annual Report distributed on July 11th before the Board meeting. There will also be a social media distribution.</p> <p>Sharwagi, asked about the forecasted expenditure, is this for the Forecasted year ending June 2025? Can we add prior fiscal year data, to show prior year expenditure and context explaining if there will be less or more expenditure?</p> <p>Sharma, Chief Infrastructure Delivery Officer, agreed that we will look to include this in future reports.</p> <p>Chair McGill, referred to page 47 of the appendix that may address Sharwagi’s request for details on past expenditures.</p>
<p>D. Appendix: Financial Outlook, Program Status & Milestones</p>	<p>Aleta Dupree provided public comments, appreciating the presentation on escalators and emphasizing the importance of the escalators for riders. Would recommend we look closely at broken glass for canopies. Recommend that we also look at prioritizing elevators for those who require ADA access.</p> <p>No comments were received on zoom.</p>
<p>6. Deep Dive Subcommittee Report</p>	<p>Deep Dive Subcommittee members include: Stewart (Subcommittee Chair), Loosen, Wang</p>

	<p>Stewart, Deep Dive Subcommittee Chair, provided an update on Deep Dive Subcommittee activity. The Subcommittee met with staff to review Link21 project. Received links to key documents and provided an overview of the funding. Currently waiting on dashboard on how much was spent on Link21 project.</p> <p>Chair McGill, made a comment about the benefit of having new committee members to look into various topics to ensure we are meeting the public's expectation for Measure RR.</p>
<p>7. Future Agenda Items & Questions/ Committee Member Announcements</p>	<p>Stewart would like to understand the strategy to meet the shortfall in funding.</p> <p>Staff recommends reviewing page 32 of the Measure RR Annual Report and page 48 of the presentation appendix.</p> <p>Chair McGill recommends an overview on the pandemic impacted the supply chain and how we ended up with inflation issues.</p> <p>Russell, Measure RR Program Manager, provided an update on member elections.</p>
<p>8. Public Comment</p>	<p>Aleta Dupree provided public comment. Asks that we not ignore the maintenance and security issues at 16th and 24th Street Stations.</p> <p>No comments were received on zoom.</p>
<p>9. Adjournment</p>	<p>Meeting Adjourned at 11:30 am.</p>



5. Measure RR BART Safety, Reliability and Traffic Relief Program Presentation

Bond Oversight Committee | September 20, 2024



Bond Oversight Committee Duties & Responsibilities

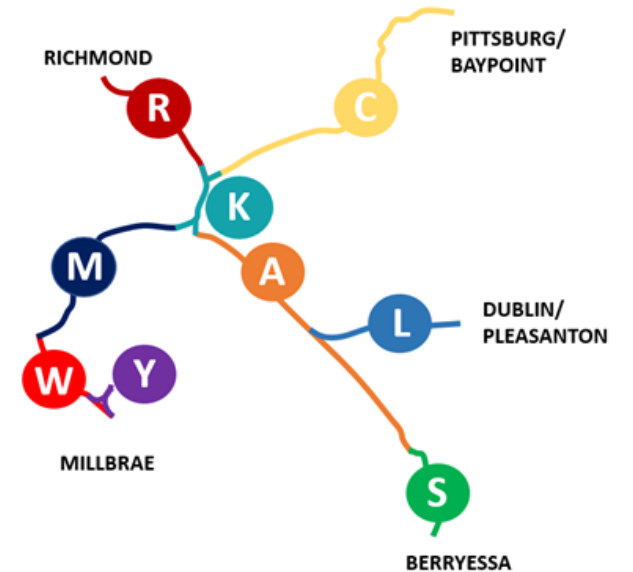
- Provide diligent, independent and public oversight over the expenditure of funds from the sale of District general obligation bonds.
- Assess how bond proceeds are invested to ensure that all spending is authorized by the ballot measure.
- Assess whether projects funded by bond proceeds are completed 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.

Bond Oversight Committee Framework

SEPTEMBER Deep Dive	JANUARY The Annual View	APRIL Closing the Loop Meeting	JUNE Annual Year End Review
<p><i>In-depth view of 8 Programs:</i></p> <ul style="list-style-type: none"> • <i>Financial Outlook, Budget and Schedule Update</i> • <i>Program Update</i> <ul style="list-style-type: none"> • <i>Office of Civil Rights</i> • <i>Project Status and Milestones</i> 	<p>The Annual-view of:</p> <ul style="list-style-type: none"> • Funding, bond, forecasting, context, mixed-funding, etc. • Procurement • Human Resources/Staffing • Small Business Outreach • Public Outreach Update • Staff Organization Chart 	<ul style="list-style-type: none"> • Review of Measure RR Audits in the past year • Project Controls Framework • Bond Funded Program Watchlist Items Review 	<ul style="list-style-type: none"> • Annual Report Approval • Measure RR Project Successes for this Year • Preview of Next Year's Projects by Program • Subcommittee summaries, discussion, member election

Executive Summary

- Through June 2024, \$1.87B of the Measure RR funds have been invested to complete 60% of the work.
- Successes
 - Completion of Construction for the following:
 - Concrete foundation for the Hayward Test Track (HTT) Train Control House
 - Canopies at Embarcadero Station and Montgomery St. Station
 - Platform Escalators at Embarcadero Station, Powell St. Station, and Civic Center Station
 - Bicycle Stairway Channels at 12th Street Station



# Projects in Planning	# Projects in Design	# Projects in Bid/Award	# Projects in Construction	# Projects Completed	TOTAL # Projects
8 (+3)	27 (-1)	14	53 (+4)	62 (+1)	164 (+7)

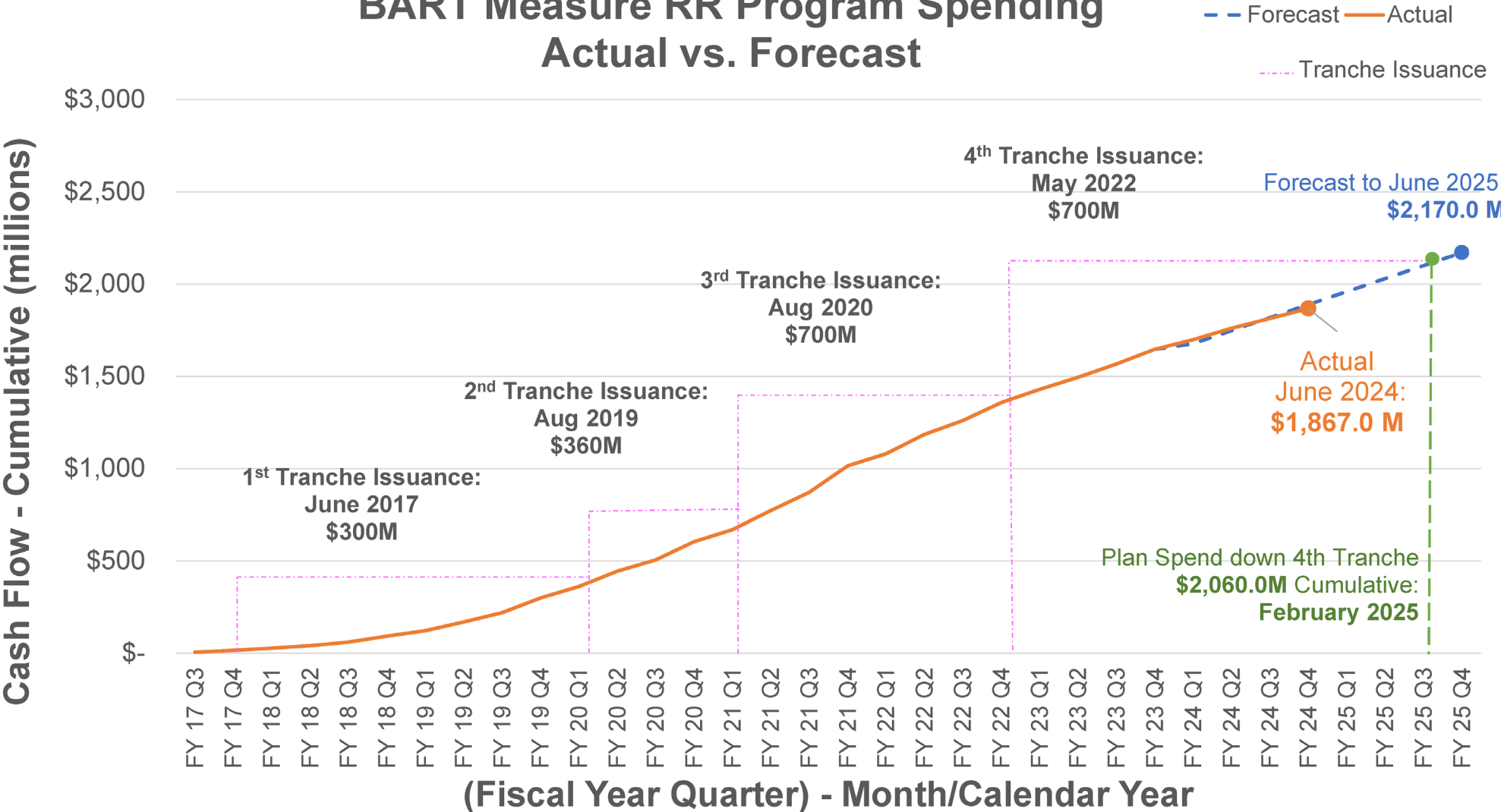
+ (Projects added in the phase)
 - (Projects no longer in the phase)

5.A.1 Financial Outlook, Budget and Schedule Update



RR Overall Program Budget Progress

BART Measure RR Program Spending Actual vs. Forecast



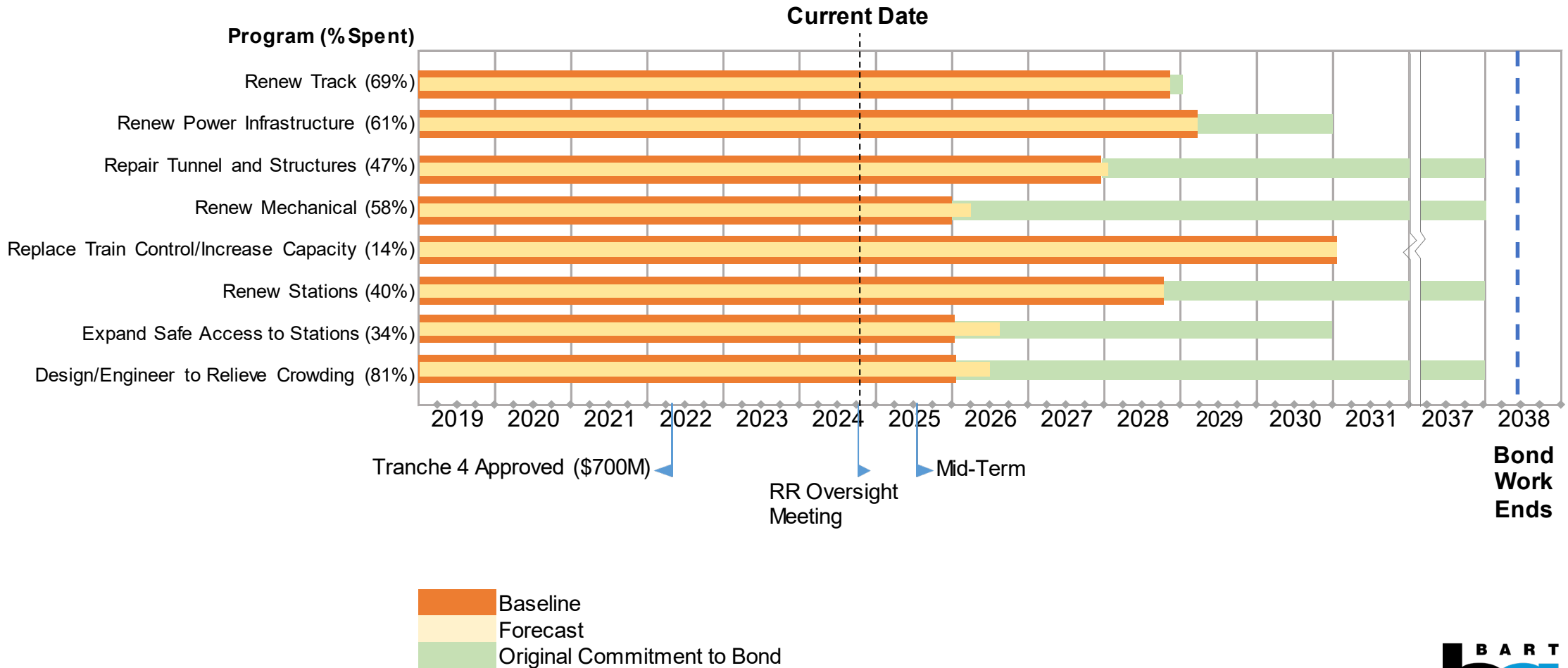
Measure RR Cashflow (\$ Millions): Mid-Term & Long-Term Outlook

Program	Expended (Thru March 2024)	Expended (Thru June 2024)	Period Cashflow (April 2024 - June 2024)	% Expended out of Total Bond Investment	Forecast Expenditures	
					MID-TERM (thru 2025)	LONG-TERM (thru End of Bond)
Renew Track	\$415.6	\$429.5	\$13.9	69%	\$433.5	\$625
Renew Power Infrastructure	\$719.5	\$743.3	\$23.8	61%	\$868.0	\$1,225
Repair Tunnels & Structures	\$252.4	\$258.4	\$6.0	47%	\$318.3	\$549
Renew Mechanical	\$90.0	\$90.6	\$0.6	58%	\$133.0	\$156
Replace Train Control/Increase Capacity	\$54.0	\$55.3	\$1.3	14%	\$113.1	\$400
Renew Stations	\$82.8	\$83.3	\$0.5	40%	\$107.1	\$210
Expand Safe Access to Stations	\$43.5	\$45.4	\$1.9	34%	\$69.2	\$135
Design/Engineer to Relieve Crowding*	\$156.1	\$161.1	\$5.0	81%	\$127.8	\$200
Total	\$1,813.9	\$1,867.0	\$53.0	53%	\$2,170.0	\$3,500

*Full Title: Design and Engineer Future Projects to Relieve Crowding, Increase System Redundancy, and Reduce Traffic Congestion

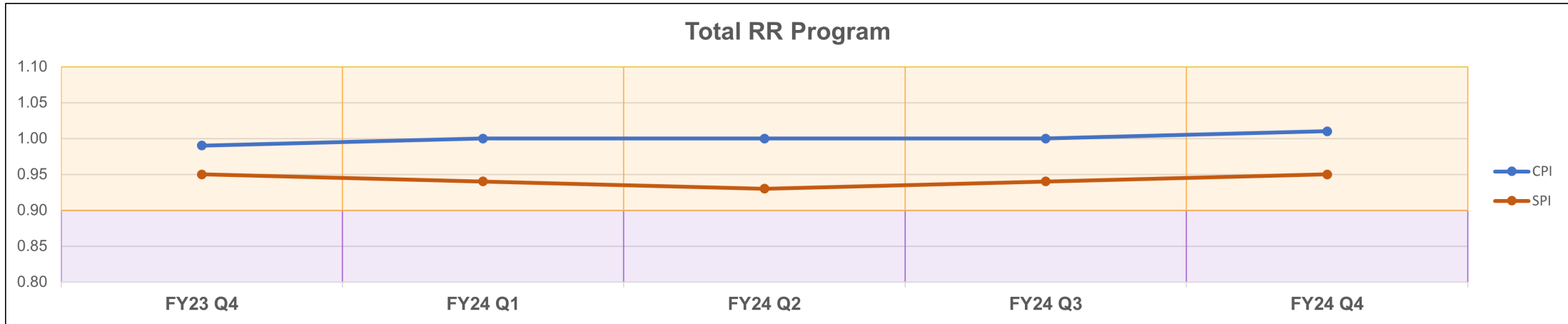


Program Level Schedule Update



Earned Value Rollup by Program As of June 2024

Goal: CPI and SPI between 0.9 and 1.1



RR Program	Total RR Budget	Physical % Complete	Planned Value	Earned Value	RR Accrued to Date	CPI	SPI
Renew Track	\$625	76%	\$478.30	\$474.93	\$469.42	1.01	0.99
Renew Power	\$1,225	70%	\$907.59	\$862.95	\$886.19	0.97	0.95
Repair Tunnels and Structures	\$549	50%	\$294.45	\$277.02	\$262.88**	1.05	0.94
Renew Mechanical	\$156	61%	\$118.26	\$94.53	\$92.58	1.02	0.80
Replace Train Control/ Increase Capacity	\$400	13%	\$61.80	\$53.65	\$54.81	0.98	0.87
Renew Stations	\$210	43%	\$90.32	\$89.25	\$83.32	1.07	0.99
Expand Safe Access to Stations	\$135	51%	\$63.28	\$68.83	\$55.06	1.25	1.09
Design/Engineer to Relieve Crowding*	\$200	82%	\$181.84	\$164.19	\$170.19	0.97	0.90
Total	\$3,500	60%	\$2,195.84	\$2,085.35	\$2,074.36	1.01	0.95

CPI – Cost Performance Index

SPI – Schedule Performance Index

*Full Title: Design and Engineer Future Projects to Relieve Crowding, Increase System Redundancy, and Reduce Traffic Congestion

** Corrected error in reporting from last quarter

BART Safety Reliability and Traffic Relief Program (Measure RR)

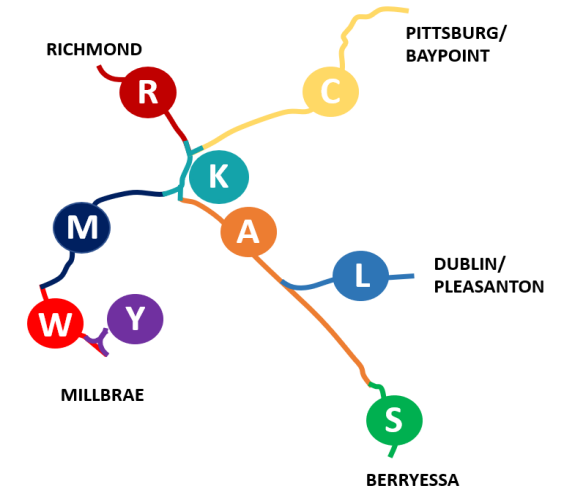
September 2024



FUNDS AT WORK

Track Program Drill Down

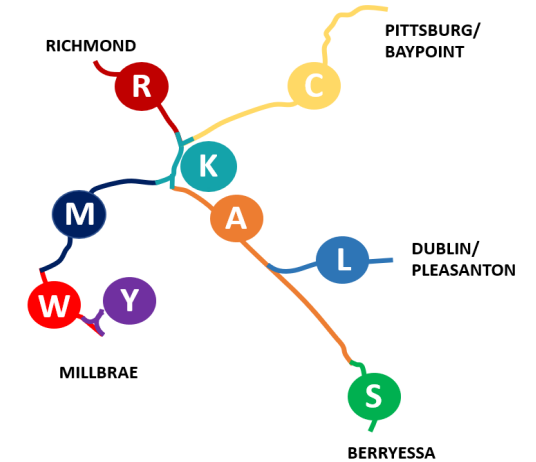
Project	Count
Number of Projects (>25% Spent)	18
CPI <0.9 or >1.1	1
SPI <0.9 or >1.1	2
Number of Risk Register Updates Performed in Previous Period	9
Number of Project(s) with Quality Reviews Performed in Previous Period	5



Project	Physical % Complete	CPI	SPI	Comments
Switch Replacement	69%	0.81	1.09	Additional assessment required for switches to be replaced
Replace Direct Fixation Pads	83%	0.97	1.11	Realized efficiencies during construction
Frog Capital Maintenance	86%	1.03	0.86	Schedule impact due to unexpected asset degradation

Power Program Drill Down

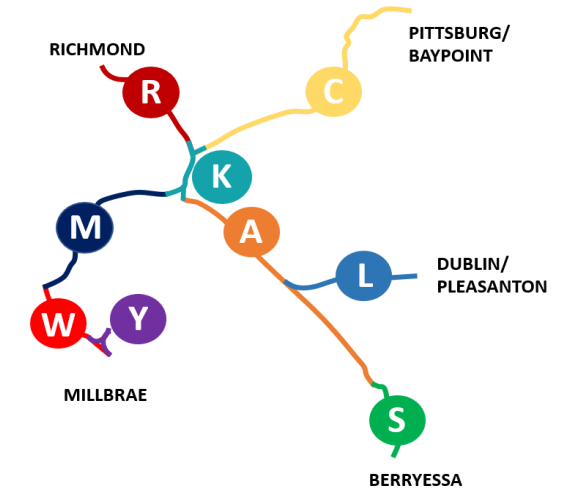
Project	Count
Number of Projects (>25% Spent)	26
CPI <0.9 or >1.1	4
SPI <0.9 or >1.1	6
Number of Risk Register Updates Performed in Previous Period	5
Number of Project(s) with Quality Reviews Performed in Previous Period	3



Project	Physical % Complete	CPI	SPI	Comments
R-Line 34.5kV AC Cable Replacement	89%	0.80	1.43	Spending more than planned due to emergency repair work performed by in-house forces. Contractor is meeting the milestones ahead of the schedule
K-Line 34.5kV AC Cable Replacement	49%	1.10	0.63	Prior delay still impacting the schedule. Availability of assigned crews has stabilized the schedule
C-Line 34.5kV AC Cable Replacement	20%	0.58	0.67	Carrying over the cost and schedule impact from the previous emergency repair work on the R-Line Cable project
PG&E Power feed to MXP Gap Breaker	27%	0.92	0.27	Impacted by coordination with external agencies
SFTS Transformer / Bus Upgrade	41%	0.85	0.41	Impacted by coordination with external agencies for transformer design, testing, and installation
Substation for Core Capacity	68%	0.89	0.75	Delayed due to increased environmental remediation and design changes due to differing site conditions

Tunnels & Structures Program Drill Down

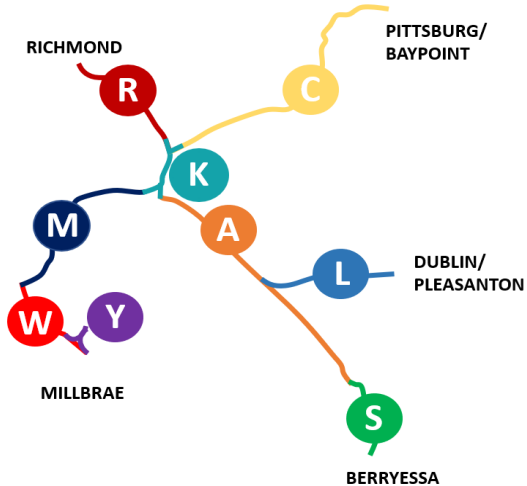
Project	Count
Number of Projects (>25% Spent)	26
CPI <0.9 or >1.1	2
SPI <0.9 or >1.1	5
Number of Risk Register Updates Performed in Previous Period	7
Number of Project(s) with Quality Reviews Performed in Previous Period	2



Project	Physical % Complete	CPI	SPI	Comments
Aerial Catwalk Renewal	45%	1.22	1.38	A-Line installation ahead of schedule and more cost efficient than planned
Slope stabilization (AC, CCC, SFC)	74%	0.97	0.81	Delay from extended environmental clearance
Substation Roofs	52%	0.92	0.58	Additional safety requirements impacted the schedule
Wayside Signage Inspection and Inventory	55%	0.85	0.64	Installation rates have slowed due to availability of resources
Cross Passage Doors and Hardware	87%	1.07	0.80	Delays due to stakeholders sign off on the pilot completion

Mechanical Program Drill Down

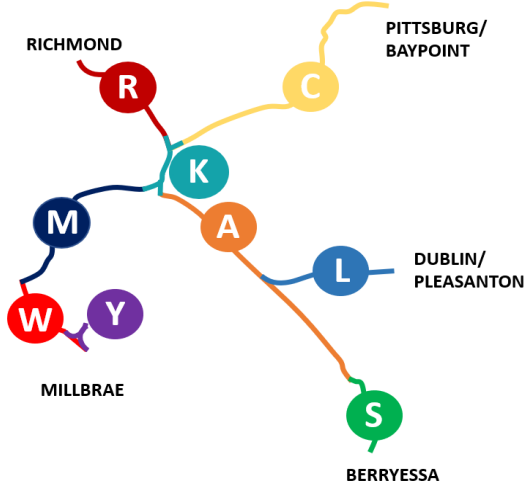
Project	Count
Number of Projects (>25% Spent)	22
CPI <0.9 or >1.1	1
SPI <0.9 or >1.1	0
Number of Risk Register Updates Performed in Previous Period	1
Number of Project(s) with Quality Reviews Performed in Previous Period	4



Project	Physical % Complete	CPI	SPI	Comments
Replace Backflow Preventers	97%	2.27	0.97	Change in delivery method (to self-performed) created a benefit to both cost and schedule

Renew Stations Program Drill Down

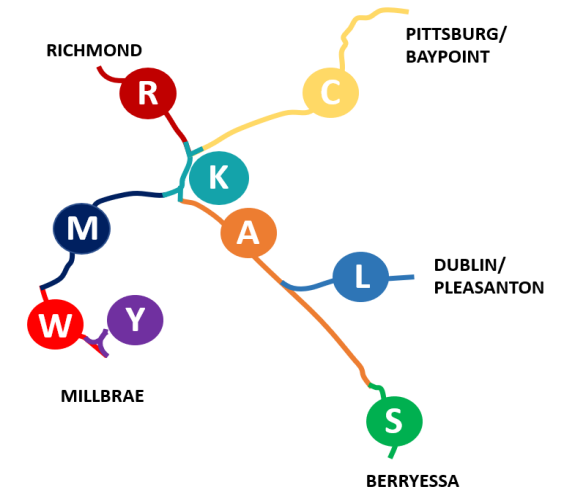
Project	Count
Number of Projects (>25% Spent)	8
CPI <0.9 or >1.1	0
SPI <0.9 or >1.1	0
Number of Risk Register Updates Performed in Previous Period	0
Number of Project(s) with Quality Reviews Performed in Previous Period	1



Project	Physical % Complete	CPI	SPI	Comments
There are no projects with CPI and SPI outside the range of 0.9 and 1.1				

Station Access Program Drill Down

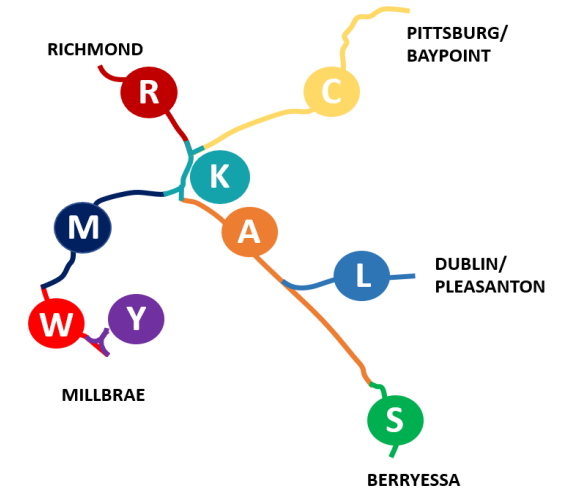
Project	Count
Number of Projects (>25% Spent)	24
CPI <0.9 or >1.1	3
SPI <0.9 or >1.1	4
Number of Risk Register Updates Performed in Previous Period	0
Number of Project(s) with Quality Reviews Performed in Previous Period	1



Project	Physical % Complete	CPI	SPI	Comments
North Berkeley Station Access Improvement	65%	1.14	0.83	The project is resolving resource assignments in the field to resolve schedule issue
MacArthur Plaza Renovation	95%	1.31	1.00	Project finished ahead on cost
Civic Center Access Improvements	75%	1.81	0.67	SFMTA is responsible for delivering this project and is behind schedule
Accessibility Improvement Program	38%	1.00	1.25	Repackaging and re-bidding has helped to expedite the work performed by the contractor
Dublin/Pleasanton Station Access Improvement	10%	0.95	1.26	Design completed ahead of schedule

Relieve Crowding* Program Drill Down

Project	Count
Number of Projects (>25% Spent)	4
CPI <0.9 or >1.1	1
SPI <0.9 or >1.1	1
Number of Risk Register Updates Performed in Previous Period	1
Number of Project(s) with Quality Reviews Performed in Previous Period	0



Project	Physical % Complete	CPI	SPI	Comments
HMC East Storage Yard	27%	0.81	0.75	Currently being reevaluated due to significant funding gap

*Full Title: Design and Engineer Future Projects to Relieve Crowding, Increase System Redundancy, and Reduce Traffic Congestion



5.A.2. Q&A



5.B. 10 Minute Break



5.C. Program Update



5.C.1 Office of Civil Rights



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	\$166.9 M	\$38.7 M	23%	189	\$147.5 M	\$35.3 M	24%
Renew Power	\$457.1 M (+\$3M)	\$137.8 M (+\$2M)	30%	443	\$351.6 M (+\$9M)	\$141.7 M (+\$4M)	40%
Repair Tunnels & Structures	\$162.2 M	\$36.9 M	23%	217	\$133.3 M	\$22.0 M	16%
Renew Mechanical	\$39.9 M	\$14.2 M	36%	105	\$29.5 M	\$12.0 M	41%
Replace Train Control/Increase Capacity	\$57.2 M (+\$8M)	\$11.0 M (+\$2M)	19%	214	\$30.6 M	\$4.3 M	14%
Renew Stations	\$161.7 M	\$30.9 M	19%	157	\$72.3 M	\$14.4 M	20%
Expand Safe Access to Stations	\$24.0 M	\$7.4 M	31%	191	\$20.0 M	\$6.9 M	34%
Design/Engineer to Relieve Crowding	\$146.6 M	\$36.3 M	25%	241	\$127.2 M (+\$2M)	\$32.5 M	26%
Total	\$1,215.6 M (+\$15M)	\$313.2 M (+\$6M)	26%	1757 (+121)	\$912.0 M	\$269.1 M (+\$6M)	30%

Notes: All amounts are based on RR fund percent only. Amounts are updated to August 31, 2024. 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 - Small Business Outreach



*Small Business Panel Discussion,
April 2024*

Recently Completed Events

- **8/01/24:** The Inclusivity Project “Access to Opportunities – Contacts for Contracts” – San Jose, CA
- **8/15/24:** Construction Management Association of America “Meet the Primes” – Oakland, CA
- **8/27/24:** “Learn About the DOT’s DBE Rule Update and BART’s Equity Programs” – Zoom

Upcoming Events

- **9/30/24:** “Learn About the DOT’s DBE Rule Update and BART’s Equity Programs” – Zoom
- **10/04/24:** Small Business Support Services “Scheduling 104” Webinar – Zoom
- **10/17/24:** The Business Outreach Committee's “Meet the Primes Event” – Oakland, CA

5.C.1.1 Q&A



5.C.2 Program Status & Milestones

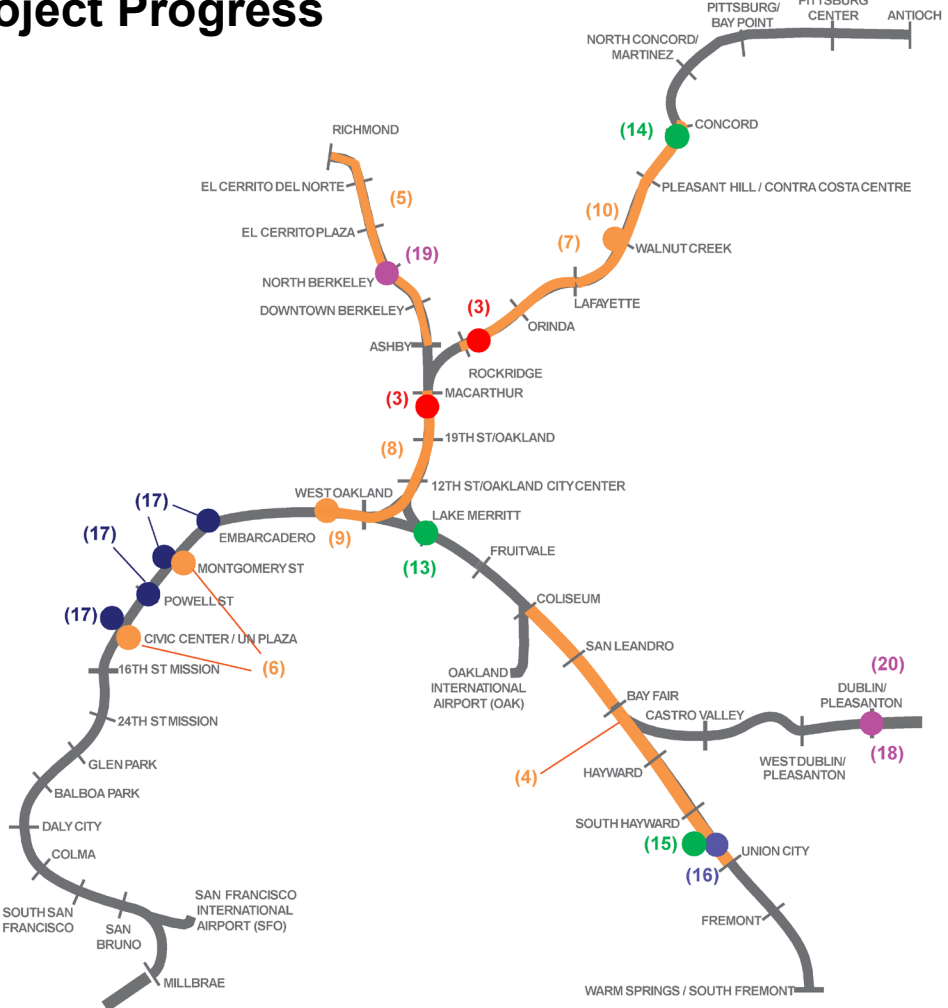


Work Progress Since Last Meeting



Examples of Active RR Projects (April - June 2024)

Measure RR – Project Progress



- Renew Track**
 - 1 Frog Capital Maintenance (Systemwide Not Mapped) – Ongoing Construction
 - 2 Rail Relay (Systemwide Not Mapped) – Ongoing Construction
 - 3 K-Line Interlocking Replacement – Ongoing Construction
- Renew Power Infrastructure**
 - 4 A-Line 34.5kV Cable Replacement – Ongoing Construction
 - 5 R-Line 34.5kV Cable Replacement – Ongoing Construction
 - 6 Substation for Core Capacity – Ongoing Construction
 - 7 C-Line 34.5kV Cable Replacement – Ongoing Construction
 - 8 K-Line 34.5kV Cable Replacement – Ongoing Construction (MacArthur to Transbay Tube East)
 - 9 Substation at Transbay Tube East – Ongoing Construction
 - 10 Substation at Walnut Creek – Ongoing Construction
- Renew Tunnel & Structures**
 - 11 Water Intrusion at Train Control Rooms – Ongoing Construction – (Systemwide Not Mapped)
 - 12 Seal and Secure Substation Roofs (Systemwide Not Mapped) – Ongoing Construction
- Renew Mechanical**
 - 13 LMA HVAC Renovation – In Design
 - 14 Turntable Replacement Concord Yard – Ongoing Construction
 - 15 Fire Services Yards (OHY) – Ongoing Construction
- Design/Engineer to Relieve Crowding**
 - 16 Hayward Maintenance Complex (HMC) Phase 2: Civil & Grading – Ongoing Construction
- Renew Stations**
 - 17 Market Street Canopies and Escalator – Ongoing Construction
- Expand Safe Access**
 - 18 Dublin Iron Horse Trail Bridge (SR2B) – Ongoing Construction
 - 19 North Berkeley Access Improvements – Ongoing Construction
 - 20 Dublin/Pleasanton Access Improvement Project – In Design
- Replace Train Control/Increase Capacity**
 - 21 Enabling Works (Systemwide Not Mapped) – Ongoing Construction



Individual Program Milestones



Renew Track STATUS & MILESTONES

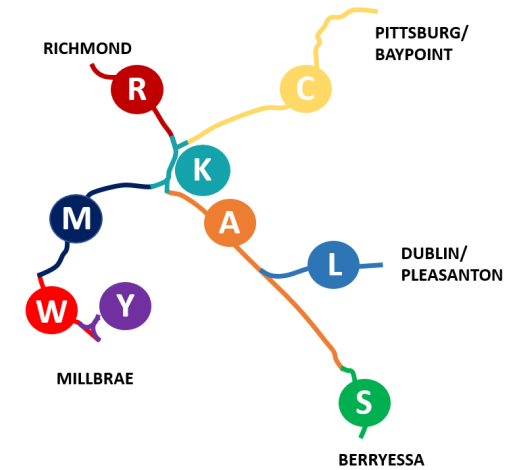
EXPENDED Thru 06/2024: \$429.5

FORECAST Thru 06/2025: \$433.5

TOTAL PROGRAM VALUE: \$625

PERIOD CASHFLOW: \$13.9

All values are in millions



STATUS – Renew Track

# Projects in Planning	# Projects in Design	# Projects in Bid/Award	# Projects in Construction	# Projects Completed	TOTAL # Projects
0	0	0	10	10	20

MILESTONES			
Completed (Apr 2024 – June 2024)	Q1 (Jul 2024 – Sep 2024)	Q2 (Oct 2024 – Dec 2024)	Q3 (Jan 2025 – March 2025)
<ul style="list-style-type: none"> Began Construction of K-Line Interlocking Replacement 	<ul style="list-style-type: none"> Begin Construction of Phase 2 Rail Replacement 		<ul style="list-style-type: none"> <i>Completion of Construction for Frog Capital Maintenance</i> <i>Completion of Construction for Switch Point Replacement for Hayward and Concord Yards</i>

Watchlist:

- Significant number of Weekend Shutdowns and Bus Bridges
- K-Line Project Reschedule

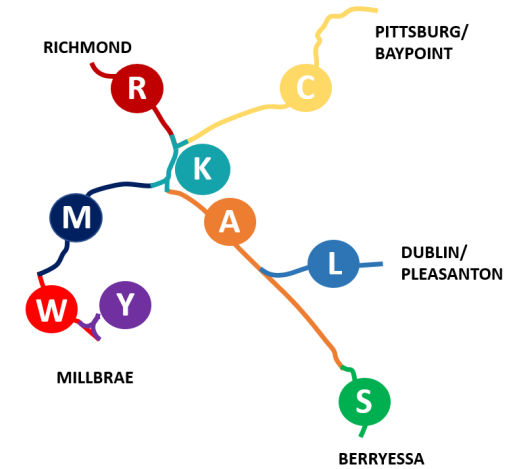
*K-Line Switch Replacement and K-Line Interlocking Replacement are reported as the same project

Italic: Newly added and modified milestones from previous report.



Renew Power STATUS & MILESTONES

EXPENDED Thru 06/2024: \$743.3
 FORECAST Thru 06/2025: \$868.0
 TOTAL PROGRAM VALUE: \$1,225
 PERIOD CASHFLOW: \$23.8
All values are in millions



STATUS – Renew Power Infrastructure

# Projects in Planning	# Projects in Design	# Projects in Bid/Award	# Projects in Construction	# Projects Completed	TOTAL # Projects
1	7	3	17	6	34

MILESTONES			
Completed (Apr 2024 – June 2024)	Q1 (Jul 2024 – Sep 2024)	Q2 (Oct 2024 – Dec 2024)	Q3 (Jan 2025 – March 2025)
	<ul style="list-style-type: none"> Contract Award for Cast Coil Transformer Replacement Project 	<ul style="list-style-type: none"> Issue for Bid MET-G Generator Replacement Project Completion of Construction for Civic Center Substation (MCC) 	<ul style="list-style-type: none"> <i>Completion of Construction for Oakland Transition Structure (KTE) Traction Power Substation Replacement</i> <i>Issue for Bid Station Fire Alarm Replacement Phase 4</i>

Watchlist:

- Substation Construction
- K-Line Project Reschedule

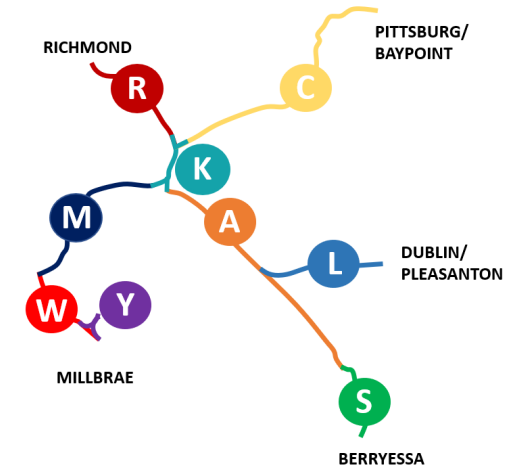
Italic: Newly added and modified milestones from previous report.



Tunnels & Structures

STATUS & MILESTONES

EXPENDED Thru 06/2024: **\$258.4**
 FORECAST Thru 06/2025: **\$318.3**
 TOTAL PROGRAM VALUE: **\$549**
 PERIOD CASHFLOW: **\$6.0**
All values are in millions



STATUS – Repair Tunnels & Structures

# Projects in Planning	# Projects in Design	# Projects in Bid/Award	# Projects in Construction	# Projects Completed	TOTAL # Projects
0	3	5	7	12	27

MILESTONES			
Completed (Apr 2024 – June 2024)	Q1 (Jul 2024 – Sep 2024)	Q2 (Oct 2024 – Dec 2024)	Q3 (Jan 2025 – March 2025)
<ul style="list-style-type: none"> Design for Water Intrusion at Train Control Rooms (Package 2, 4 locations) Began Construction (In-house) of Renew Catwalks at Aerial Structure (Phase 3B) 	<ul style="list-style-type: none"> Completion of Construction (In-house) of Renew Catwalks at Aerial Structure (Phase 3A) 	<ul style="list-style-type: none"> Completion of Design for Richmond Yard Carwash Building Fence Completion of Aerial Bearing Pad Assessment 	<ul style="list-style-type: none"> <i>Begin Construction for Water Intrusion at Train Control Rooms (Package 2, 4 locations)</i>

Watchlist:

- Design for Water Intrusion at Train Control Rooms

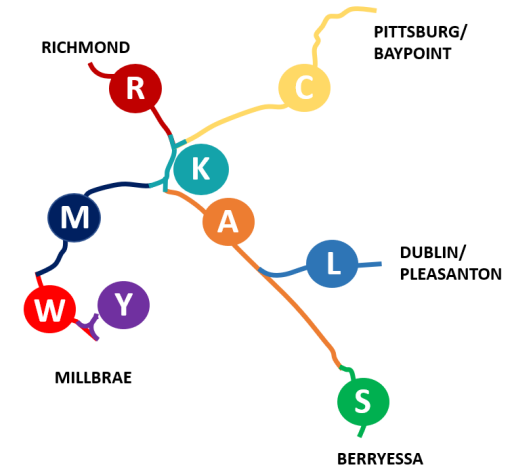
*Milestone for Tunnel Waterproofing at M-Line Project removed due to delays

Italic: Newly added and modified milestones from previous report.



Renew Mechanical STATUS & MILESTONES

EXPENDED Thru 06/2024: \$90.6
 FORECAST Thru 06/2025: \$133.0
 TOTAL PROGRAM VALUE: \$156
 PERIOD CASHFLOW: \$0.6
All values are in millions



STATUS – Renew Mechanical

# Projects in Planning	# Projects in Design	# Projects in Bid/Award	# Projects in Construction	# Projects Completed	TOTAL # Projects
1	4	3	3	14	25

MILESTONES			
Completed (Apr 2024 – June 2024)	Q1 (Jul 2024 – Sep 2024)	Q2 (Oct 2024 – Dec 2024)	Q3 (Jan 2025 – March 2025)
	<ul style="list-style-type: none"> Completion of Design for Sewage Pumps Replacement Issue for Bid Fire Suppression Systems Upgrade (11 Locations) <i>Completion of Construction of Hayward Yard Fire Services</i> 	<ul style="list-style-type: none"> Commissioning of Hayward Yard Fire Services Issue for Bid Concord Yard Wheel Truing Facility 	<ul style="list-style-type: none"> <i>Contract Award for Fire Suppression Systems Upgrade (11 Locations)</i>

Watchlist:

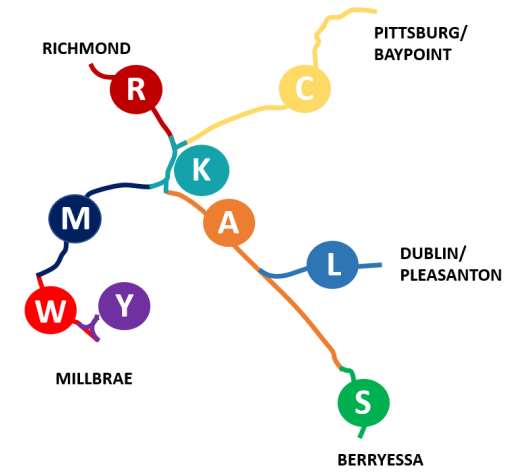
- Re-issue for Bid Sewage Pumps Replacement

Italic: Newly added and modified milestones from previous report.



Replace Train Control STATUS & MILESTONES

EXPENDED Thru 06/2024: \$55.3
 FORECAST Thru 06/2025: \$113.1
 TOTAL PROGRAM VALUE: \$400
 PERIOD CASHFLOW: \$1.3
All values are in millions



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	0	6	0	6

MILESTONES			
Completed (Apr 2024 – June 2024)	Q1 (Jul 2024 – Sep 2024)	Q2 (Oct 2024 – Dec 2024)	Q3 (Jan 2025 – March 2025)
<ul style="list-style-type: none"> Delivery of Transponders for W-Line Phase 2 Construction of Concrete Foundation for Hayward Test Track (HTT) Train Control House 	<ul style="list-style-type: none"> Completion of Installation of <i>Cable and Conduit</i> for CBTC Equipment in the Existing HTT Train Control House Delivery of New Train Control House at HTT 	<ul style="list-style-type: none"> Delivery of Hi-Rail Vehicles (2 each) for Enabling Works Completion of Asbestos Remediation Work in Train Control Rooms (13 Locations) Begin Electrical Installations for CBTC between Millbrae and Colma Stations Phase 2 	<ul style="list-style-type: none"> <i>Delivery of Transponders and Data Communication Systems (DCS) Equipment for CBTC Phase 2</i> <i>Completion of Migration Design Review for Axle Counter for CBTC Phase 2 (Millbrae to Colma Stations)</i>

Watchlist:

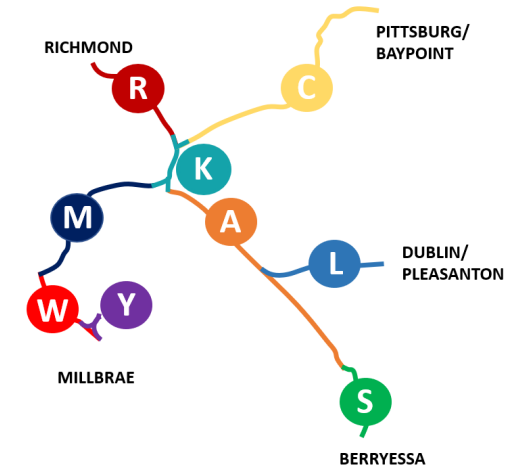
- None

Italic: Newly added and modified milestones from previous report.



Renew Stations STATUS & MILESTONES

EXPENDED Thru 06/2024: **\$83.3**
 FORECAST Thru 06/2025: **\$107.1**
 TOTAL PROGRAM VALUE: **\$210**
 PERIOD CASH FLOW: **\$0.5**
All values are in millions



STATUS – Renew Stations

# Projects in Planning	# Projects in Design	# Projects in Bid/Award	# Projects in Construction	# Projects Completed	TOTAL # Projects
1	2	0	2	5	10

MILESTONES			
Completed (Apr 2024 – June 2024)	Q1 (Jul 2024 – Sep 2024)	Q2 (Oct 2024 – Dec 2024)	Q3 (Jan 2025 – March 2025)
<ul style="list-style-type: none"> Construction of Canopy 2 at Embarcadero Station and Canopy 9 at Montgomery St. Station Construction of P6 Platform Escalator at Embarcadero Station Construction of P1 Platform Escalator at Powell St. Station and P4 Platform Escalator at Civic Center Station 	<ul style="list-style-type: none"> Completion of Construction for P1 Platform Escalator at Montgomery St. Station <i>Completion of Construction for Canopy 5 at Embarcadero Station</i> 	<ul style="list-style-type: none"> Completion of Construction for S5 Street Level Escalator at Embarcadero Station 	<ul style="list-style-type: none"> <i>Completion of Construction for P2 Platform Escalator at Civic Center Station, P3 Platform Escalator at Embarcadero Station, and P5 Platform Escalator at Powell St. Station</i> <i>Completion of Construction for Canopy 7 at Montgomery Station and Canopy 18 at Civic Center Station</i>

Watchlist:

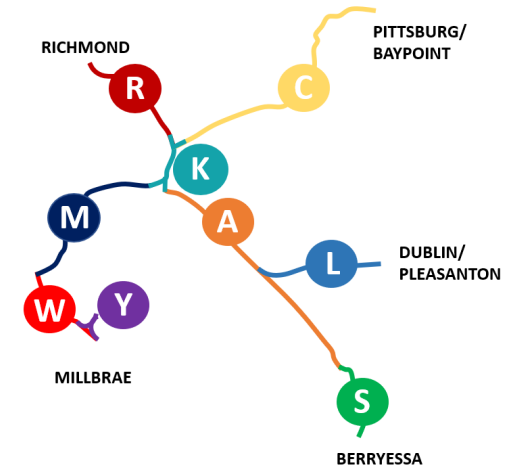
- Construction of Canopies

Italic: Newly added and modified milestones from previous report.



Station Access STATUS & MILESTONES

EXPENDED Thru 06/2024: \$45.4
 FORECAST Thru 06/2025: \$69.2
 TOTAL PROGRAM VALUE: \$135
 PERIOD CASHFLOW: \$1.9
All values are in millions



STATUS – Expand Safe Access to Stations

# Projects in Planning	# Projects in Design	# Projects in Bid/Award	# Projects in Construction	# Projects Completed	TOTAL # Projects
3	9	3	7	13	35

MILESTONES			
Completed (Apr 2024 – June 2024)	Q1 (Jul 2024 – Sep 2024)	Q2 (Oct 2024 – Dec 2024)	Q3 (Jan 2025 – March 2025)
<ul style="list-style-type: none"> Began Demolition for ADA Access Corrections at Castro Valley Station <i>Construction of Stairway Bicycle Channels at 12th Street Station</i> 	<ul style="list-style-type: none"> Completion of Design for the Dublin/Pleasanton Access Improvement Project <i>Begin Exterior Construction for ADA Access Corrections at Castro Valley, San Leandro, Fruitvale, Rockridge, and Richmond Stations</i> <i>Completion of Construction of Stairway Bicycle Channels at Walnut Creek Station</i> <i>Completion of Construction of SR2B-funded Iron Horse Trail Bridge Project</i> 	<ul style="list-style-type: none"> Completion of Design for Pittsburg/Bay Point Shared Mobility Improvement Project Completion of Construction of Stairway Bicycle Channels at Civic Center, Embarcadero, and 24th St. Stations <i>Completion of Exterior Construction for ADA Access Corrections at Castro Valley, Rockridge, and Richmond Stations</i> 	<ul style="list-style-type: none"> <i>Contract Award for PA System Improvement</i> <i>Issue for Bid Dublin/Pleasanton Station Access Improvements</i>

Watchlist:

- City of Pittsburg BART Ped/Bike Connectivity Project Construction

*Milestone for 19th Street Access Improvement Project (Bike Station) removed due to project on hold

Italic: Newly added and modified milestones from previous report.

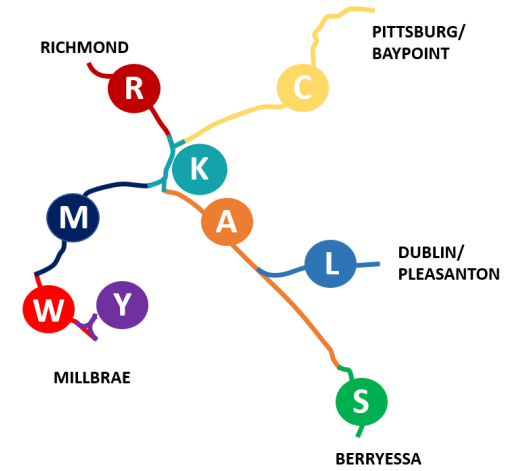


Relieve Crowding*

STATUS & MILESTONES

*Full Title: Design and Engineer Future Projects to Relieve Crowding, Increase System Redundancy, and Reduce Traffic Congestion

EXPENDED Thru 06/2024: **\$161.1**
 FORECAST Thru 06/2025: **\$127.8**
 TOTAL PROGRAM VALUE: **\$200**
 PERIOD CASHFLOW: **\$5.0**
All values are in millions



STATUS – Design / Engineer to Relieve Crowding*

# Projects in Planning	# Projects in Design	# Projects in Bid/Award	# Projects in Construction	# Projects Completed	TOTAL # Projects
2	2	0	1	2	7

MILESTONES			
Completed (Apr 2024 – June 2024)	Q1 (Jul 2024 – Sep 2024)	Q2 (Oct 2024 – Dec 2024)	Q3 (Jan 2025 – March 2025)
<ul style="list-style-type: none"> Value Engineering Analysis for HMC2 East Storage Yard Preliminary Business Case for Link21 	<ul style="list-style-type: none"> Completion of East Storage Yard Optimization Plan Completion of Public Outreach for Evaluation Findings for Link21 	<ul style="list-style-type: none"> Completion of Construction for the Civil Grading Contract 	<ul style="list-style-type: none"> <i>Issue for Bid for East Storage Yard (ESY) based on Optimized Design</i> <i>Completion of Design for Embarcadero Platform Elevator Project</i>

Watchlist:

- Phasing for Embarcadero South Stairs Expansion and Platform Elevator Modernization

Italic: Newly added and modified milestones from previous report.



Thank You



Acronyms

ADA	Americans with Disabilities Act
CBTC	Communication Based Train Control
CPI	Cost Performance Index
DBE	Disadvantaged Business Enterprise
EAC	Estimate At Completion
ETC	Estimate to Complete
EVM	Earn Value Management
HMC	Hayward Maintenance Complex
LSB	Local Small Business
MSBE	Micro Small Business Entity
OCIO	Office of the Chief Information Officer
OID	Office of Infrastructure Delivery
SB	Small Business
SPI	Schedule Performance Index
TCMP	Train Control Modernization Program

