

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 15, 2023
9:30 a.m. – 12:00 p.m.

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

A Meeting of the Bond Oversight Committee will be held on Friday, June 16, 2023, 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** 827 4991 6853; logging in to Zoom.com and entering **access code** 827 4991 6853; or typing the following Zoom link into your web browser:
(<https://us06web.zoom.us/j/82749916853>)

If you wish to make a public comment:

1. Submit written comments via email to ljohnso@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. **Call** 1 (833) 548-0282, enter **access code** 827 4991 6853, 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** 827 4991 6853, and use the raise hand feature; or join the Committee Meeting via the Zoom (<https://us06web.zoom.us/j/82749916853>) 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)
 - A. Roll Call
2. **General Public Comment** (9:30 am – 9:40 am)
3. **Administrative Items:** (9:40 am – 9:55 am)
 - A. Approval of June 16, 2023 Meeting Minutes (For Discussion/Action)
 - B. Approval of Meeting Schedule for July 1, 2023 – June 30, 2025 Term (For Discussion/Action)

- a. Vote on Future Meeting Schedule: September 15, 2023, January 19, 2024, April 19, 2024, June 21, 2024, September 20, 2024, January 17, 2025, April 18, 2025, and June 20, 2025 (For Discussion/Action)
 - C. AB 1234 Ethics Training Schedule (For Discussion)
 - D. Vote on Bond Oversight Committee Chair and Vice-Chair for July 1, 2023 – June 30, 2025 Term (For Discussion/Action)
 - E. Vote to Establish Programmatic Informational Deep Dive Ad Hoc Subcommittee and Appoint Chair and Members for the July 1, 2023 – June 30, 2025 Term (For Discussion/Action)
4. **Annual Report** (For Discussion/Action 9:55 am – 10:20 am)
- A. Chair McGill's Follow-up on the 2023 Annual Report Presentation to the BART Board of Directors at the August 24, 2023 Meeting (For Discussion)
 - B. 2024 Annual Report Outlook (For Discussion/Action)
 - C. Vote to Establish 2024 Annual Report Standing Subcommittee and Appoint Chair and Members (For Discussion/Action)
5. **Measure RR BART Safety, Reliability and Traffic Relief Program Presentation** (For Discussion)
- A. Measure RR Overall Progress (For Discussion)
 - 1. Financial Outlook, Budget & Schedule Update (For Discussion -10:20 am – 10:30 am)
 - 2. Committee Q&A (10:30 am – 10:40 am)
 - B. **10 Minute Break** (10:40 am – 10:50 am)
 - C. Measure RR Program Updates
 - 1. Office of Civil Rights (For Discussion – 10:50 am – 10:55 am)
 - 1. Committee Q&A (10:55 am – 11:00 am)
 - 2. Human Resources/Staffing (For Discussion 11:00 am – 11:05 am)
 - 1. Committee Q&A (11:05 am – 11:10 am)
 - 3. Program Status & Milestones (For Discussion 11:10 am – 11:25 am)
 - 1. Committee Q&A (11:25 am – 11:40 am)
6. **Future Agenda Items & Questions** (For Discussion 11:40 am – 11:55 am)
7. **Committee Member & Staff Announcements** (For Discussion 11:55 am – 12:00 pm)

8. **Adjournment** (12:00 pm)

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.

KEY DATES AND TIMES

- **August 23, 2023, at 3pm**
 - Review with Sylvia
- **Wednesday, September 6, 2023**
 - BOC Staff prep at 3pm
- **Thursday, September 7, 2023**
 - Final committee packet due to Mickey at 9 am
 - Q Drive Posting
- **Friday, September 8, 2023**
 - Suzanne Loosen on-Boarding with Chair McGill & Staff at 11am
 - E-Mailout of Dropbox Link at 4 pm
- **Tuesday, September 12, 2023, at 1pm**
 - Final Dry Run with Sylvia
- **Friday, September 15, 2023, at 9:30am**
 - Committee Meeting



San Francisco Bay Area Rapid Transit District

Measure RR Program

BART Bond Oversight Committee

Friday, June 16, 2023

9:30 AM – 12:00 PM

Via Zoom Conference Call

****DRAFT****

MEETING NUMBER	MEETING DATE	MEETING TIME
Term 3, Meeting 8	Friday, June 16, 2023	9:30 am – 12:00 pm
	Committee Members Michael McGill, Chair Catherine Newman, Vice Chair Marian Breitbart Daren Gee Cindy Simon Rosenthal, Ph.D. Vinit Shrawagi Sonja C. Stewart	

Agenda Item	Meeting Notes
1. Call to Order (15 minutes)	
A. Roll Call	Marian Breitbart and Vice Chair Newman are absent.
2. General Public Comment	Aleta Dupre speaks.
3. Meeting Minutes: April 21, 2023	Sonja Stewart wants to strike the spreadsheet part on Item 5E. On Item #6, Vinit Shrawagi wants to strike the word audit from the line item and replace it with review. Darren Gee moves to pass as amended. Cindy Rosenthal seconds the motion. It passes unanimously with Ms. Stewart and Mr. Shrawagi's amendments.

4. 2023 Annual Report Presentation	
A. Annual Report Subcommittee Report	Ms. Stewart is pleased with how staff addressed the issues in her June 11, 2023 email regarding the report. Both Mr. Shrawagi and Dr. Rosenthal say they are happy with the report.
B. Q&A	
C. Vote on Adopting 2023 Measure RR Annual Report	Ms. Stewart makes the motion to adopt the report with the edits that staff made based on her June 11, 2023, email requesting changes to the report. Mr. Gee seconds the motion. It passes unanimously.
D. Appoint Member to Present to BART Board	Committee votes unanimously to appoint Chair McGill as the committee representative to present the 2023 Measure RR Annual Report to the BART Board of Directors. He will be listed as Chair Emeritus.
5. Measure RR BART Safety, Reliability and Traffic Relief Program Presentation	
A. Measure RR Project Successes	<p>Zecharias Amare, Acting Chief of Project Delivery begins the presentation overview.</p> <p>Maansii Sheth, Measure RR Program Manager, along with other staff, also present.</p> <p>Mr. Shrawagi says that he would like to see the completion of the Transbay Tube retrofit included in the next Annual Report.</p>
B. 10 MINUTE BREAK	Members took a break for 10 minutes.
C. Preview of Next Year's Projects by Program	Ms. Sheth presents.
D. Staff Organization Chart	Mitra Moheb, Group Manager for Delivery, presents.
E. Appendix: Financial Outlook, Program Status & Milestones	

<p>6. Determine Process to Select Programmatic Informational Deep Dive</p>	<p>Mr. Gee proposes a subcommittee to work with staff to discuss what projects they want to do a deep dive.</p> <p>Mr. Shrawagi asks whether the committee should look at projects that are completed or ones in progress. Sylvia Lamb, Assistant General Manager of Infrastructure Delivery, recommends:</p> <ul style="list-style-type: none"> • the committee members first begin looking at completed programs/projects • then look at the earned value of program/projects in progress • decide from there which projects/programs to do a deep dive. <p>Mr. Gee likes this idea.</p>
<p>7. Future Agenda Items & Questions/Committee Member Announcements</p>	<p>Mr. Gee proposes an agenda item to create a subcommittee for the deep dive.</p>
<p>8. General Public Comment</p>	<p>Aleta Dupre speaks.</p>
<p>9. Adjournment</p>	<p>Chair McGill adjourns the meeting at 11:34 am.</p>



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

Bond Oversight Committee
September 15, 2023

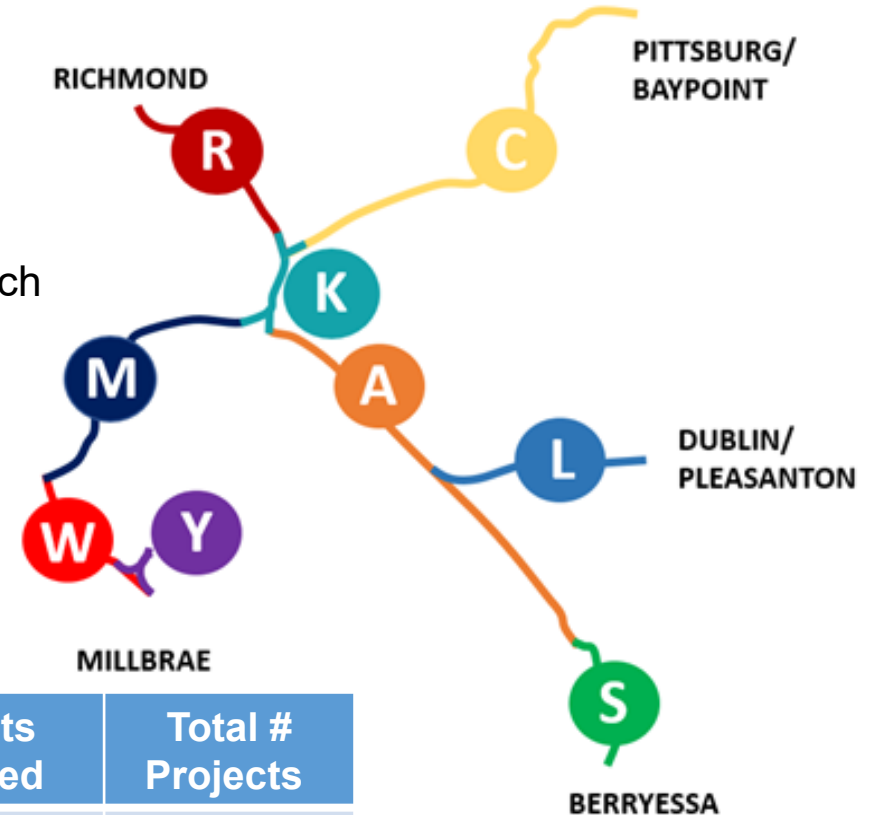


Bond Oversight Committee Duties & Responsibilities

- 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

Executive Summary

- Through June 2023, \$1.65B of the Measure RR funds have been invested to complete 52% of the work
- Successes
 - Completion of Construction of C15 Interlocking near Rockridge Station which is a portion of K Line Interlocking Replacement
 - Completion of Construction at Three Water Intrusion Elevator Locations
 - Completion of Construction for Civic Center Scissor Stairs
 - Notice to Proceed for Accessibility Improvement (Phase 1 and 2)



# Projects in Planning	# Projects in Design	# Projects in Bid/Award	# Projects in Construction	# Projects Completed	Total # Projects
6 (+3)	31 (-4)	18 (+3)	51	51 (+3)	157 (+5)*

+(Projects added in the phase)

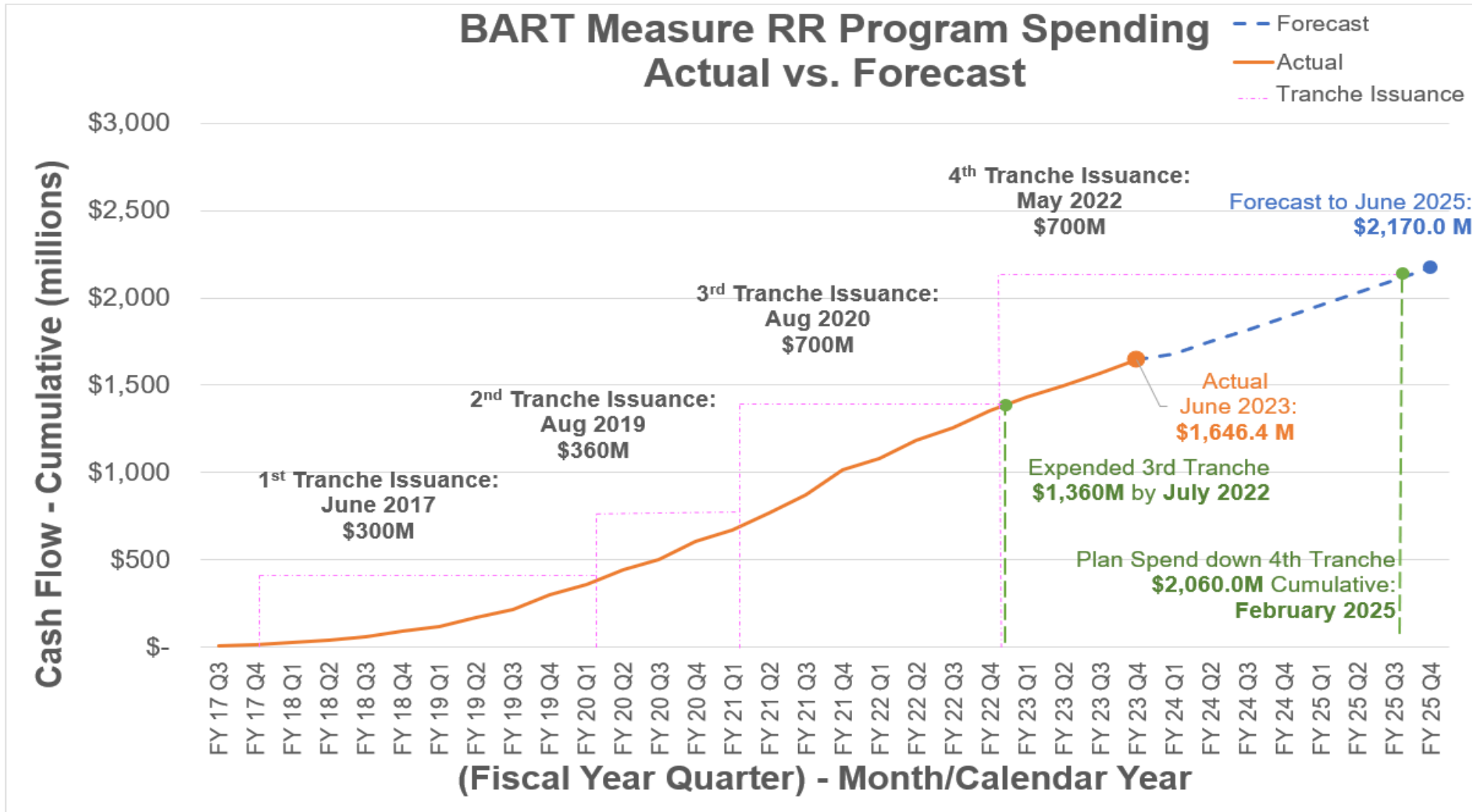
-(Projects no longer in the phase)

* Project count increased by 5 due to splitting a select few project to allow for an additional level of scrutiny

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



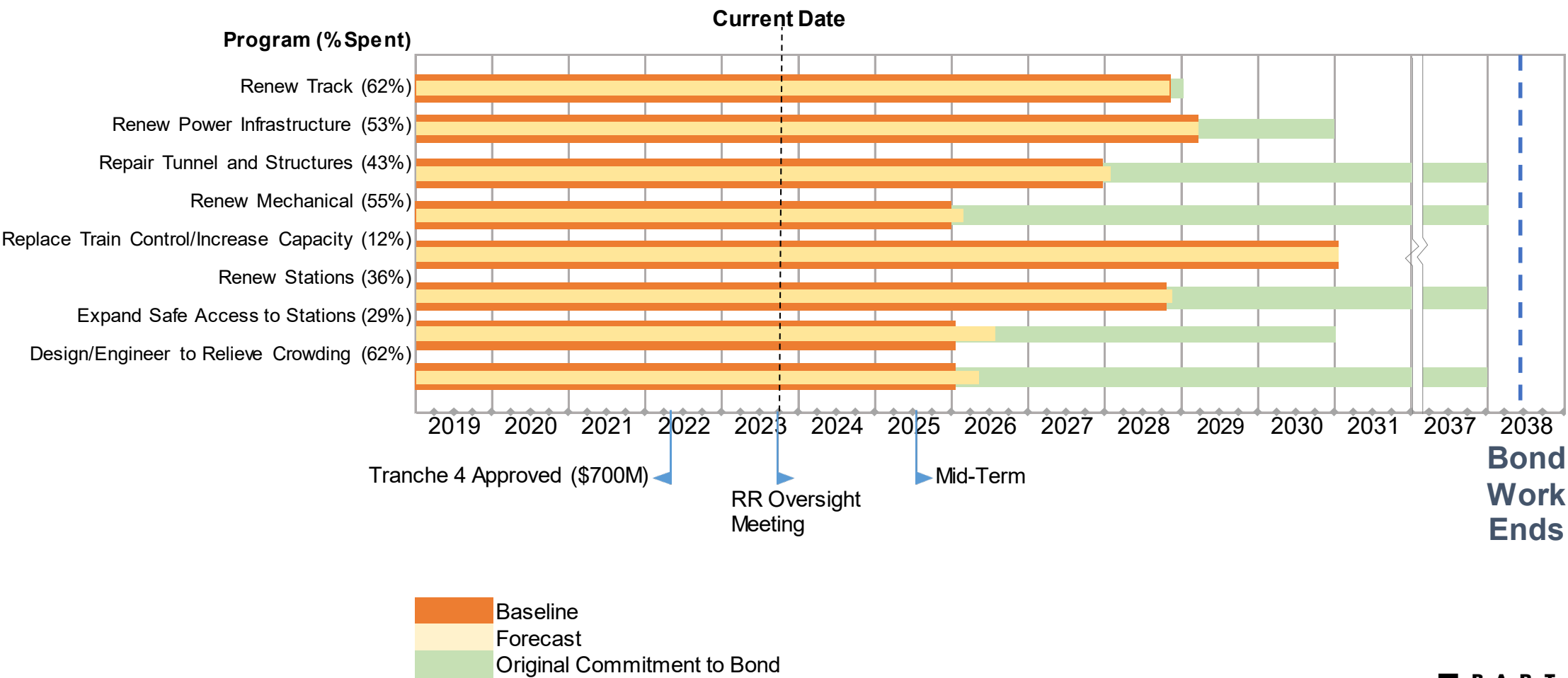
RR Overall Program Budget Progress



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

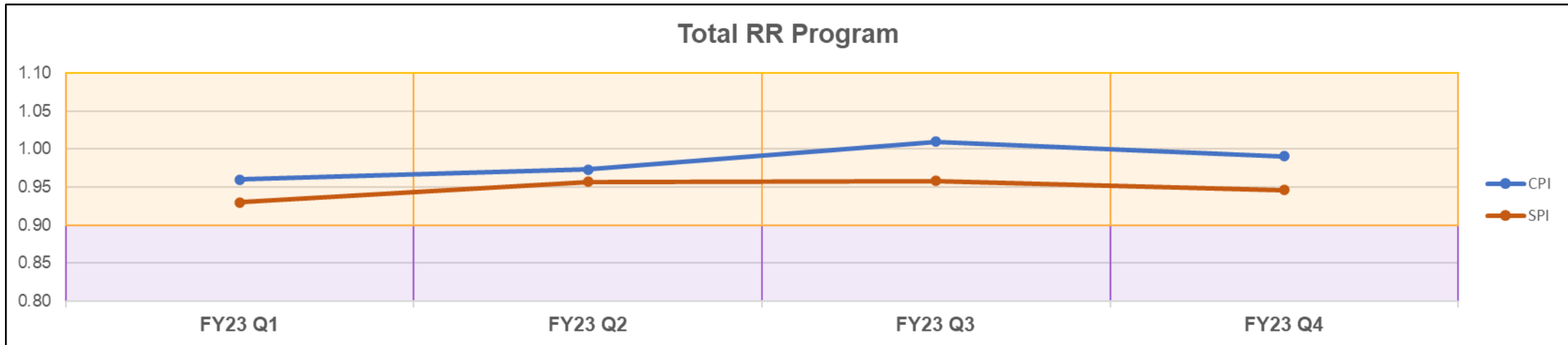
Program	Expended (thru March 2023)	Expended (thru June 2023)	Period Cashflow (April 2023 - June 2023)	% Expended out of Total Bond Investment	Forecast Expenditures	
					MID-TERM (thru 2025)	LONG-TERM (thru End of Bond)
Renew Track	\$373.6	\$386.1	\$12.5	62%	\$433.5	\$625
Renew Power Infrastructure	\$617.9	\$651.3	\$33.4	53%	\$868.0	\$1,225
Repair Tunnels & Structures	\$222.0	\$234.9	\$12.9	43%	\$318.3	\$549
Renew Mechanical	\$83.2	\$85.8	\$2.6	55%	\$133.0	\$156
Replace Train Control/Increase Capacity	\$49.2	\$49.8	\$0.7	12%	\$113.1	\$400
Renew Stations	\$69.0	\$75.5	\$6.5	36%	\$107.1	\$210
Expand Safe Access to Stations	\$38.7	\$39.7	\$1.0	29%	\$69.2	\$135
Design/Engineer to Relieve Crowding	\$113.0	\$123.3	\$10.4	62%	\$127.8	\$200
Total	\$1,566.5	\$1,646.4	\$79.9	47%	\$2,170.0	\$3,500.0

Program Level Schedule Update



Earned Value Rollup by Program Through June 2023

Goal: CPI and SPI between 0.9 and 1.1



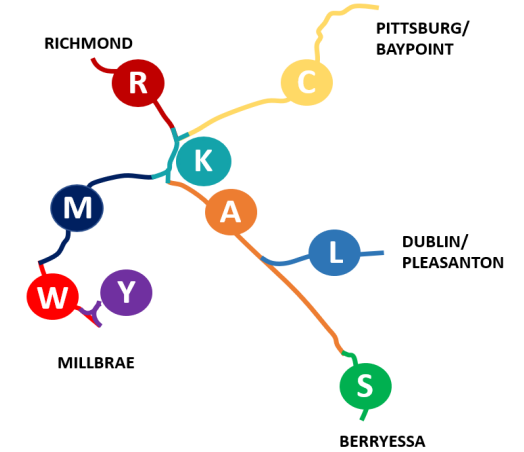
RR Program	Total RR Budget	Physical % Complete	Planned Value	Earned Value	RR Accrued to Date	CPI	SPI
Renew Track	\$625	72%	\$444.19	\$447.23	\$424.07	1.05	1.01
Renew Power	\$1,225	61%	\$797.14	\$748.43	\$777.93	0.96	0.94
Repair Tunnels and Structures	\$549	43%	\$252.24	\$237.35	\$236.30	1.00	0.94
Renew Mechanical	\$156	56%	\$91.24	\$88.08	\$87.67	1.00	0.97
Replace Train Control/ Increase Capacity	\$400	12%	\$55.94	\$48.46	\$49.84	0.97	0.86
Renew Stations	\$210	38%	\$81.79	\$80.82	\$77.30	1.04	0.98
Expand Safe Access to Stations	\$135	31%	\$55.40	\$41.20	\$40.10	1.02	0.74
Design/Engineer to Relieve Crowding	\$200	61%	\$140.10	\$122.34	\$124.65	0.98	0.87
Total	\$3,500	52%	\$1,918.04	\$1,813.91	\$1,817.86	0.98	0.94

CPI – Cost Performance Index

SPI – Schedule Performance Index

Track Program Drill Down

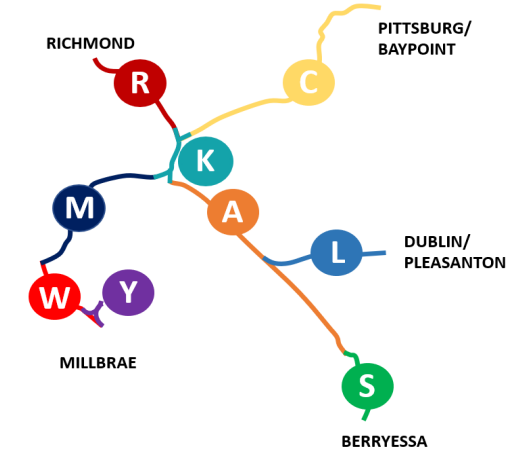
Project	Count
Number of Projects (>25% Spent)	18
CPI <0.9 or >1.1	1
SPI <0.9 or >1.1	2
Number of Risk Register Updates Performed in Previous Period	9
Number of Project(s) with Quality Reviews Performed in Previous Period	5



Project	Physical % Complete	CPI	SPI	Comments
Replace Direct Fixation Pads	83%	1.08	1.40	Realized efficiencies during construction
A85 Interlocking Replacement	35%	1.05	0.72	Construction delayed to focus on more critical weather related work
K-Line Interlocking Replacement	27%	1.29	1.01	Initial construction cost estimate was conservative since the equipment was new, however, the actual cost were lower

Power Program Drill Down

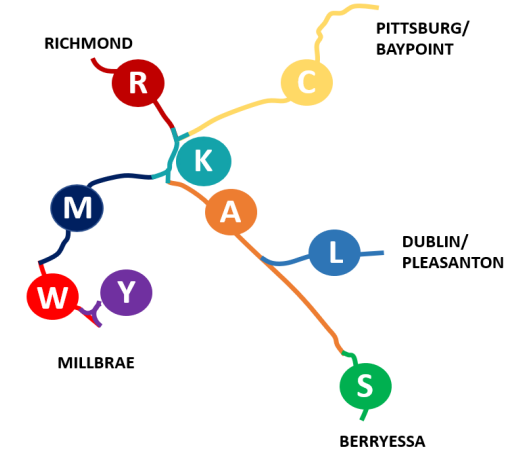
Project	Count
Number of Projects (>25% Spent)	20
CPI <0.9 or >1.1	4
SPI <0.9 or >1.1	8
Number of Risk Register Updates Performed in Previous Period	14
Number of Project(s) with Quality Reviews Performed in Previous Period	4



Project	Physical % Complete	CPI	SPI	Comments
A-Line 34.5kV AC Cable Replacement	83%	0.91	1.18	Differing site conditions lead to multiple change orders. Working with contractor to minimize project impact
Substation for Core Capacity	77%	1.02	0.81	Delayed due to increased environmental remediation and design changes due to differing site conditions
R-Line 34.5kV AC Cable Replacement	66%	0.79	1.29	Accelerated installation impacted by R-Line emergency as work was performed over extended hours and multiple crews
K-Line 34.5kV AC Cable Replacement	53%	1.01	0.72	Competing in-house resource needs between this project and R-Line Cable Replacement
MPR Install & Rectifier Rehab	49%	0.81	0.70	Schedule impact continues from previous quarter due to emergency repair work
SFTS Transformer / Bus Upgrade	39%	0.69	0.39	Coordination with external agencies for transformer design, testing and installation plans
Cast Coil Transformer Replacement	34%	0.98	0.81	Internal process to get started took longer
C-Line 34.5kV AC Cable Replacement	29%	0.72	0.76	Carrying over the schedule impact from previous quarter due to emergency repair work on the R-Line Cable Project

Tunnels & Structures Program Drill Down

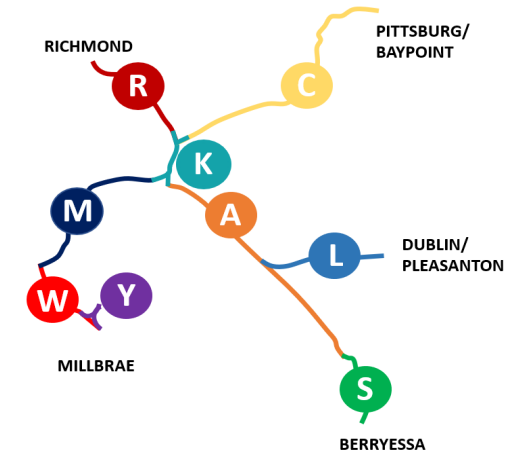
Project	Count
Number of Projects (>25% Spent)	26
CPI <0.9 or >1.1	0
SPI <0.9 or >1.1	2
Number of Risk Register Updates Performed in Previous Period	12
Number of Project(s) with Quality Reviews Performed in Previous Period	7



Project	Physical % Complete	CPI	SPI	Comments
Aerial Structure Bearing Pad Study	84%	0.92	0.87	2019 On-Call Contracts Capacity limits reached pausing progress
Substation Roofs	51%	1.00	0.88	Additional safety requirements impacted the schedule

Mechanical Program Drill Down

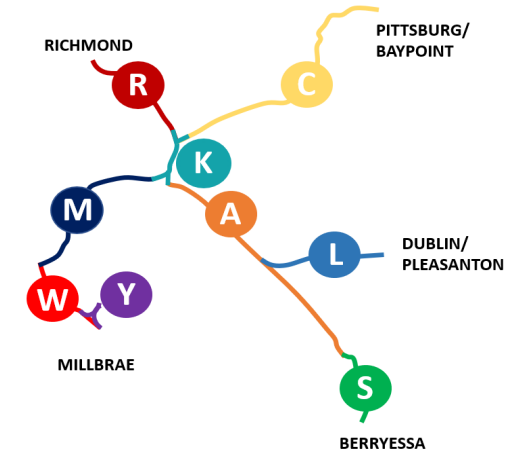
Project	Count
Number of Projects (>25% Spent)	21
CPI <0.9 or >1.1	1
SPI <0.9 or >1.1	1
Number of Risk Register Updates Performed in Previous Period	4
Number of Project(s) with Quality Reviews Performed in Previous Period	2



Project	Physical % Complete	CPI	SPI	Comments
Replace Backflow Preventers	98%	1.16	1.11	Change in delivery method (to self-performed) is creating a benefit to both cost and schedule

Station Access Program Drill Down

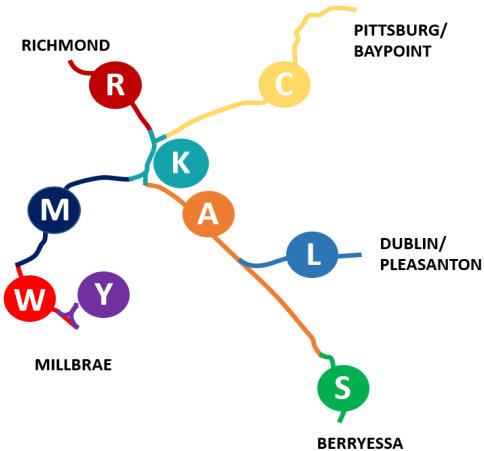
Project	Count
Number of Projects (>25% Spent)	15
CPI <0.9 or >1.1	1
SPI <0.9 or >1.1	1
Number of Risk Register Updates Performed in Previous Period	1
Number of Project(s) with Quality Reviews Performed in Previous Period	0



Project	Physical % Complete	CPI	SPI	Comments
North Berkeley Station Access Improvement	51%	1.33	0.62	Project is pending resource assignment in the field

Relieve Crowding Program Drill Down

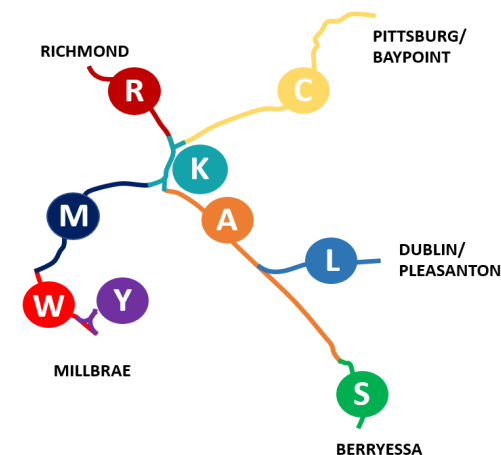
Project	Count
Number of Projects (>25% Spent)	5
CPI <0.9 or >1.1	0
SPI <0.9 or >1.1	0
Number of Risk Register Updates Performed in Previous Period	0
Number of Project(s) with Quality Reviews Performed in Previous Period	1



Project	Physical % Complete	CPI	SPI	Comments

Renew Stations Program Drill Down

Project	Count
Number of Projects (>25% Spent)	10
CPI <0.9 or >1.1	1
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	0



Project	Physical % Complete	CPI	SPI	Comments
Powell Street - Gateway Station	63%	1.13	0.86	Contractor performing rework to incorporate punch list items

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	\$159.4 M	\$35.2 M	22%	155	\$138.1 M	\$31.7 M	23%
Renew Power	\$420.7 M (+\$3M)	\$126.2 M (+\$2M)	30%	354 (+15)	\$304.0 M (+\$12M)	\$127.1 M (+\$2M)	42%
Repair Tunnels & Structures	\$154.6 M	\$33.0 M	21%	164	\$127.9 M	\$18.8 M	15%
Renew Mechanical	\$36.9 M	\$12.5 M	34%	85	\$27.9 M	\$10.8 M	39%
Replace Train Control/Increase Capacity	\$36.3 M	\$7.6 M	21%	138 (+8)	\$25.9 M	\$3.6 M	14%
Renew Stations	\$157.2 M	\$29.6 M	19%	141	\$64.0 M (+\$7M)	\$12.3 M	19% (-2%)
Expand Safe Access to Stations	\$21.2 M	\$6.6 M	31%	173	\$18.6 M	\$6.4 M	34%
Design/Engineer to Relieve Crowding	\$137.4 M	\$35.1 M	26%	206	\$99.9 M (+\$5M)	\$27.1 M	27%
Total	\$1,123.8 M (+\$5M)	\$285.9 M (+\$3M)	25%	1415 (+39)	\$806.3 M (+\$25M)	\$237.7 M (+\$4M)	29% (-1%)

Notes: All amounts are based on RR fund percent only. Amounts are updated to June 30, 2023. 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



2023 To Date Overview

- **19** Total events to date
- **4** SBSS events

Recently Completed Outreach Events

- DBE/ACDBE Certification Workshop
- Meet BART's SBSS Team & Learn About Upcoming Contracts

Upcoming Outreach Events

- CBO presentation for Oakland African American Chamber of Commerce (Aug.) - Oakland
- CBO presentation for the Industry Council for Small Business Owners (Sept.) – Sunnyvale

RR Program Update - Small Business Outreach

Expand Communications:

- Consolidated the small business outreach lists
- Over **1,600** small businesses newly added to our outreach list

Strengthen CBO Relationships:

- Leveraging our CBO outreach list (with **156** contacts) to host in-person small business outreach presentations.
- CBO partnerships will allow us to diversify our reach regarding small business opportunities at reach

2024 Small Business Summit (in development):

- In person event hosted in collaboration with the BOC
- “Meet the Primes” Networking Event
- Showcase of SBSS
- Support services from CBOs including APEX
- Tabling from stakeholders of upcoming projects

5.C.1.1 Q&A






5.C.2 Human Resources/Staffing



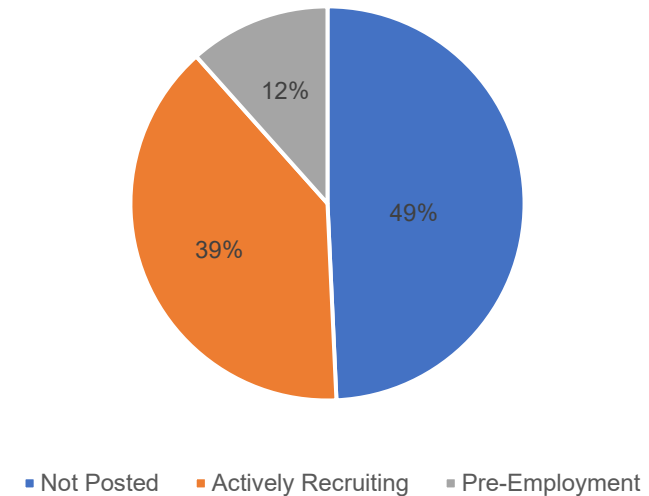
Recruitment Status Summary

Description	Number of Positions
Filled Positions	241
Vacant Positions	66
RR Positions Hired To Date	28

	Vacant Position Categories	Number of Positions
	Engineering	18
	Project Management/Support	20
	Construction Crews	28

Data as of 06/30/2023

VACANT MEASURE RR POSITIONS



Talent Acquisition Strategies – Vacant Positions

CREATING A STRONG BART TALENT SOURCING PRESENCE



- Leveraging Internal Partnerships

- External Affairs
- Workforce Development
- Office of Civil Rights
- BART HR Career Fair (BART Employees only)
- Fast Track Hiring



- Strengthening External Workforce Partnerships

- Community Based Organizations
- Educational Institutions
- Pre-apprenticeship Programs



- Leveraging Social Media Platforms

- Collaborating with Marketing
- External Job Boards



5.C.2.1 Q&A



5.C.3 Project Status and Milestones

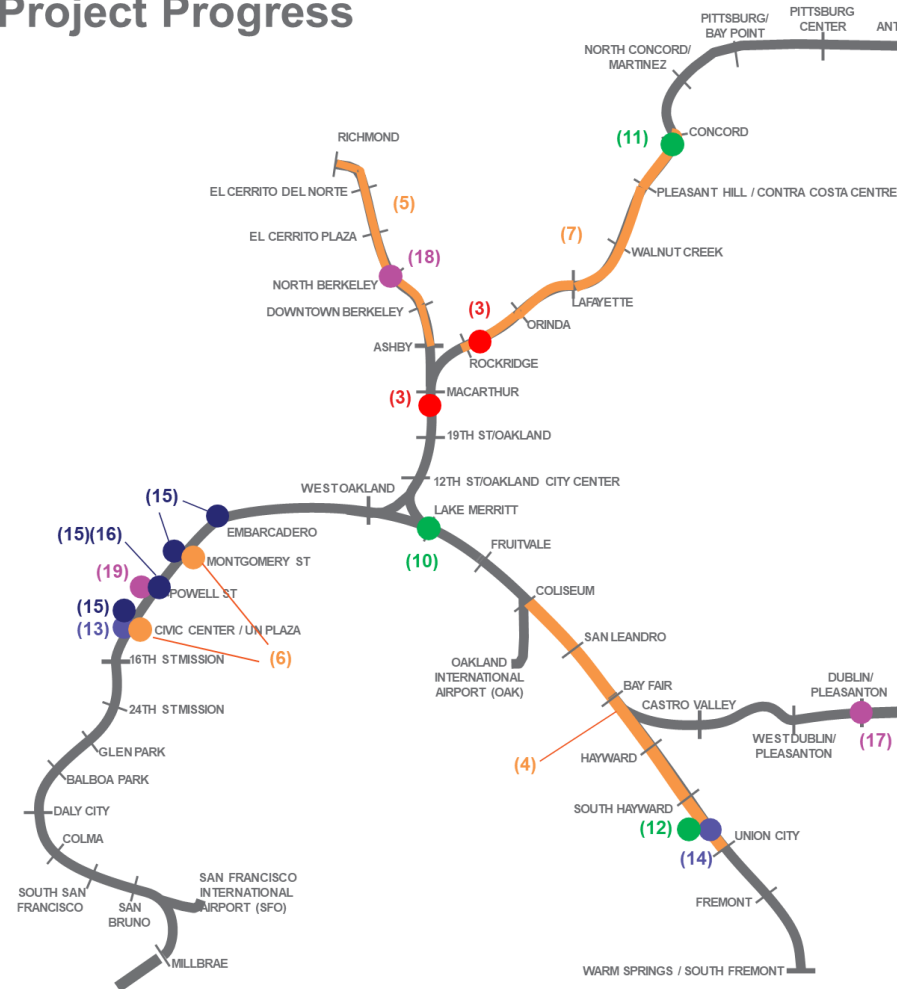


Work Progress Since Last Meeting



Examples of Active RR Projects in April 2023 – June 2023

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

Renew Tunnel & Structures

- 8 Water Intrusion at Train Control Rooms - Ongoing Construction - (Systemwide Not Mapped)
- 9 Seal and Secure Substation Roofs (Systemwide Not Mapped) – Ongoing Construction

Renew Mechanical

- 10 LMA HVAC Renovation – In Design
- 11 Turntable Replacement Concord Yard - Ongoing Construction
- 12 Fire Services Yards (OHY) – Ongoing Construction

Design/Engineer to Relieve Crowding

- 13 Civic Center Scissor Stairs – Completion of Construction*
- 14 Hayward Maintenance Complex (HMC) Phase 2: Civil & Grading – Ongoing Construction

Renew Stations

- 15 Market Street Canopies and Escalator – Ongoing Construction
- 16 Powell Street Station Modernization – Ongoing construction

Expand Safe Access

- 17 Dublin Iron Horse Trail Bridge (SR2B) – Ongoing Construction
- 18 North Berkeley Access Improvements – Ongoing Construction
- 19 5th Street Improvement Project (SR2B) – Completion of Construction*

Replace Train Control/Increase Capacity

- 20 Enabling Works (Systemwide Not Mapped) – Ongoing Construction

*Updated projects

BART Safety Reliability and Traffic Relief Program (Measure RR)
Sept. 2023

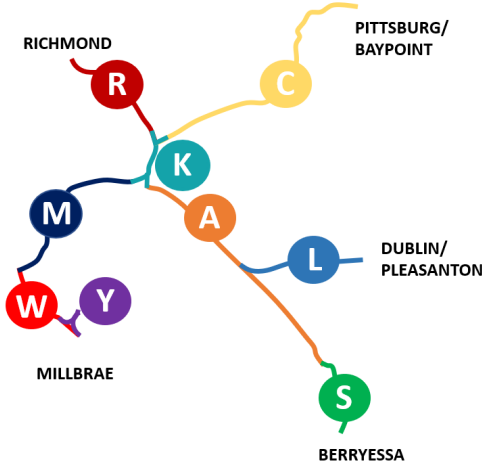
Individual Program Milestones



Renew Track

STATUS & MILESTONES

EXPENDED Thru 06/2023: \$386.1
FORECAST Thru 06/2025: \$433.5
TOTAL PROGRAM VALUE: \$625
PERIOD CASHFLOW: \$12.5



STATUS – Renew Track

# Projects in Planning	# Projects in Design	# Projects in Bid/Award	# Projects in Construction	# Projects Completed	TOTAL # Projects
0	1	1	9	9	20

MILESTONES			
Completed (Apr 2023 – Jun 2023)	Q1 (Jul 2023 – Sep 2023)	Q2 (Oct 2023 – Dec 2023)	Q3 (Jan 2024 – Mar 2024)
<ul style="list-style-type: none">Completion of Construction of C15 Interlocking near Rockridge Station which is a portion of K Line Interlocking ReplacementCompletion of Design of A85 Interlocking Replacement (near Fremont Station)	<ul style="list-style-type: none">Completion of Construction Oakland Yard Tracks	<ul style="list-style-type: none">Completion of Construction A77 Interlocking Replacement	<ul style="list-style-type: none"><i>Contract Award for K Line Interlocking Replacement Traction Power Materials, MacArthur Station (K23/K25)</i><i>Begin Construction of Richmond Yard Track Rehabilitation, Phase 1</i>

Watchlist:

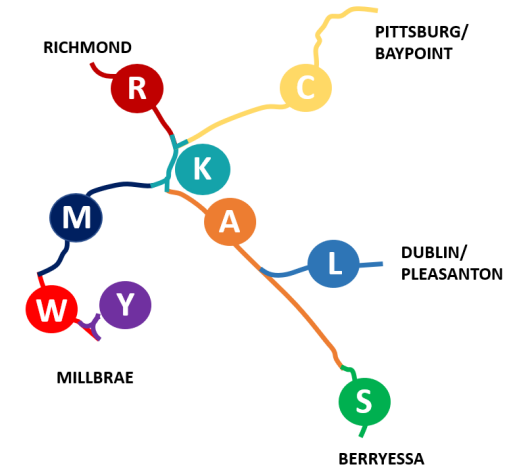
- Material Procurement Delays at K-Line and A77

Italic: Modified milestones from previous report.

Renew Power

STATUS & MILESTONES

EXPENDED Thru 06/2023: **\$651.3**
 FORECAST Thru 06/2025: **\$868.0**
 TOTAL PROGRAM VALUE: **\$1,225**
 PERIOD CASHFLOW: **\$33.4**



STATUS – Renew Power Infrastructure

# Projects in Planning	# Projects in Design	# Projects in Bid/Award	# Projects in Construction	# Projects Completed	TOTAL # Projects
3	5	3	18	5	34

MILESTONES			
Completed (Apr 2023 – Jun 2023)	Q1 (Jul 2023 – Sep 2023)	Q2 (Oct 2023 – Dec 2023)	Q3 (Jan 2024 – Mar 2024)
<ul style="list-style-type: none"> Completion of Construction Phase 2 for Systemwide Stations Facilities Grounding Assessment 	<ul style="list-style-type: none"> Completion of C-Line High Voltage Transformer Replacement Issue for Bid Oil-Filled Transformer Replacement Completion of Design for MET G Generator Replacement Project 	<ul style="list-style-type: none"> Issue for Bid PG&E Feed for Gap Breaker Project Completion of Construction for Oakland Transition Structure (KTE) Traction Power Substation Replacement Completion of Construction for Civic Center (MCC) Substation Notice to Proceed for Walnut Creek (CWC) Substation Issue for Bid for the Cast Coil Transformer Replacement Project 	<ul style="list-style-type: none"> <i>Issue for Bid TCCP EB: Transbay Corridor Core Capacity East Bay Substation</i>

Watchlist:

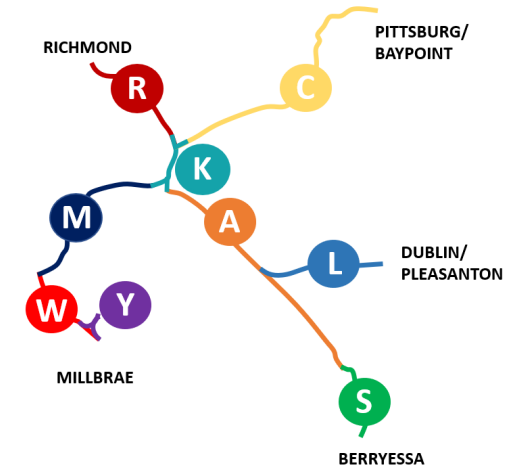
- Procurement for Cast Coil Transformer Replacement

Italic: Modified milestones from previous report.

Tunnels & Structures

STATUS & MILESTONES

EXPENDED Thru 06/2023: **\$234.9**
 FORECAST Thru 06/2025: **\$318.3**
 TOTAL PROGRAM VALUE: **\$549**
 PERIOD CASHFLOW: **\$12.9**



STATUS – Repair Tunnels & Structures

# Projects in Planning	# Projects in Design	# Projects in Bid/Award	# Projects in Construction	# Projects Completed	TOTAL # Projects
0	5	5	8	8	26

MILESTONES			
Completed (Apr 2023 – Jun 2023)	Q1 (Jul 2023 – Sep 2023)	Q2 (Oct 2023 – Dec 2023)	Q3 (Jan 2024 – Mar 2024)
<ul style="list-style-type: none"> Completion of Design for Tunnel Waterproofing at M Line Completion of Construction at Three Water Intrusion Elevator Locations 	<ul style="list-style-type: none"> <i>Issue for Bid Tunnel Waterproofing at Oakland Wye</i> 	<ul style="list-style-type: none"> Completion of Design for Water Intrusion at Train Control Rooms (Package 4 – 5 Locations) Completion of Design for Water Intrusion at Train Control Rooms (Package 3 – 8 Locations) 	<ul style="list-style-type: none"> <i>Completion of Design for Street Grate and Vent Shafts (East Bay)</i> <i>Issue for Bid Water Intrusion at Train Control Rooms (Package 2 – 7 Locations)</i>

Watchlist:

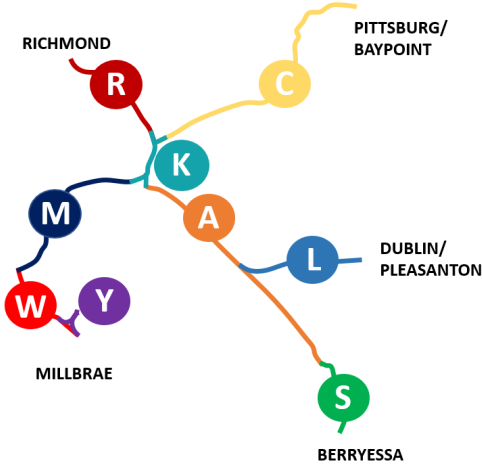
- None

Italic: Modified milestones from previous report.

Renew Mechanical

STATUS & MILESTONES

EXPENDED Thru 06/2023: \$85.8
FORECAST Thru 06/2025: \$133.0
TOTAL PROGRAM VALUE: \$156
PERIOD CASHFLOW: \$2.6



STATUS – Renew Mechanical

# Projects in Planning	# Projects in Design	# Projects in Bid/Award	# Projects in Construction	# Projects Completed	TOTAL # Projects
1	7	3	2	13	26

MILESTONES			
Completed (Apr 2023 – Jun 2023)	Q1 (Jul 2023 – Sep 2023)	Q2 (Oct 2023 – Dec 2023)	Q3 (Jan 2024 – Mar 2024)
<ul style="list-style-type: none">Completion of Construction of Back Flow Preventers	<ul style="list-style-type: none">Completion of Design for LMA HVAC Renovation	<ul style="list-style-type: none">Issue for Bid LMA HVAC Renovation	<ul style="list-style-type: none">Bid opening LMA HVAC RenovationIssue for Bid Concord Yard Wheel Truing Facility

Watchlist:

- Re-issue for Bid Fire Suppression Upgrade
- Re-issue for Bid Sewage Pumps Replacement
- Design for LMA HVAC Renovation

Italic: Modified milestones from previous report.

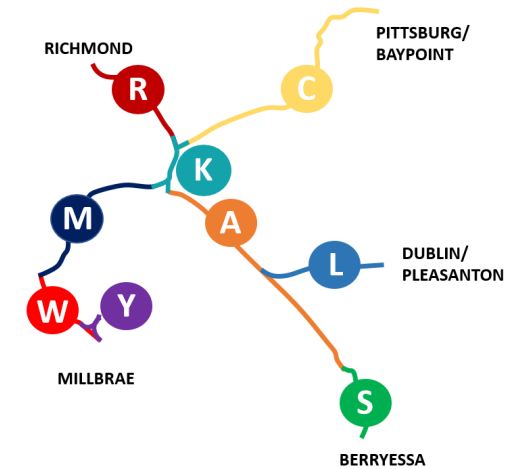
Replace Train Control STATUS & MILESTONES

EXPENDED Thru 06/2023: \$49.8

FORECAST Thru 06/2025: \$113.1

TOTAL PROGRAM VALUE: \$400

PERIOD CASHFLOW: \$0.7



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	1	5	0	6

MILESTONES			
Completed (Apr 2023 – Jun 2023)	Q1 (Jul 2023 – Sep 2023)	Q2 (Oct 2023 – Dec 2023)	Q3 (Jan 2024 – Mar 2024)
<ul style="list-style-type: none"> Start CBTC equipment installations at Hayward Test Track Install foundations at Hayward Test Track Advertise Contract K-Line Enabling works 	<ul style="list-style-type: none"> Completion of Vehicle Impacted Preliminary Design Review (PDR) Completion of Non-Vehicle Impacted Final Design Review (FDR) Gate 1 	<ul style="list-style-type: none"> Completion of CBTC Wayside Installation Final Design Review (FDR) Gate 2 CBTC Phase 1 Equipment Available for Construction Delivery of Hi-Rail Vehicles for Enabling Works 	<ul style="list-style-type: none"> <i>Completion of CBTC Wayside Installation Final Design Review (FDR) Gate 3</i> <i>Complete Factory Test of Hayward Test Track Train Control House</i>

Watchlist:

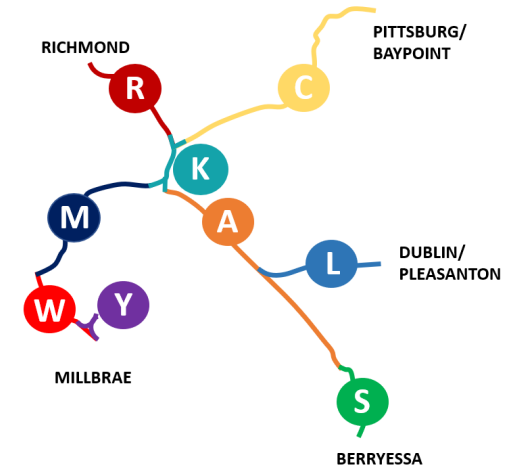
- Securing Building Permit for CBTC Lab Installation

Italic: Modified milestones from previous report.

Renew Stations

STATUS & MILESTONES

EXPENDED Thru 06/2023: **\$75.5**
 FORECAST Thru 06/2025: **\$107.1**
 TOTAL PROGRAM VALUE: **\$210**
 PERIOD CASHFLOW: **\$6.5**



STATUS – Renew Stations

# Projects in Planning	# Projects in Design	# Projects in Bid/Award	# Projects in Construction	# Projects Completed	TOTAL # Projects
0	1	0	4	3	8

MILESTONES			
Completed (Apr 2023 – Jun 2023)	Q1 (Jul 2023 – Sep 2023)	Q2 (Oct 2023 – Dec 2023)	Q3 (Jan 2024– Mar 2024)
<ul style="list-style-type: none"> Completion of Montgomery St. Station Platform Escalator P4 for Market Street Escalators Project <i>Completion of the first three canopies at Montgomery St., Powell St., and Civic Center for Market Street Entry Canopies Contract</i> Begin Installation of next canopies at each of Montgomery St., and Powell St., Stations for Market Street Entry Canopies Contract <i>Begin Construction for Replacement of Civic Center Platform Escalator</i> Completion of Construction for Powell St. Station Modernization at Sector 5 Begin Construction for Replacement Civic Center Platform Escalator P1 for Market Street Escalator Project 	<ul style="list-style-type: none"> Completion of Construction for Platform Lighting for Powell St. Station Modernization Begin Installation of the next Canopy at Embarcadero Station for Market Street Entry Canopies Contract <i>Completion of Powell St. Station Platform Escalator P3, and Embarcadero Station Platform Escalator P2 for Market Street Escalators Project</i> <i>Completion of the fourth canopy at Embarcadero for Market Street Entry Canopies Contract</i> <i>Begin Construction for Replacement of Embarcadero Station Platform Escalator P6, Montgomery St. Platform Escalator P3, and Powell St. Platform Escalator P1 for Market Street Escalators Project</i> 		<ul style="list-style-type: none"> <i>Completion of Civic Center Platform Escalator P1, and Montgomery St. Platform Escalator P3 for Market Street Escalators Project</i>

Watchlist:

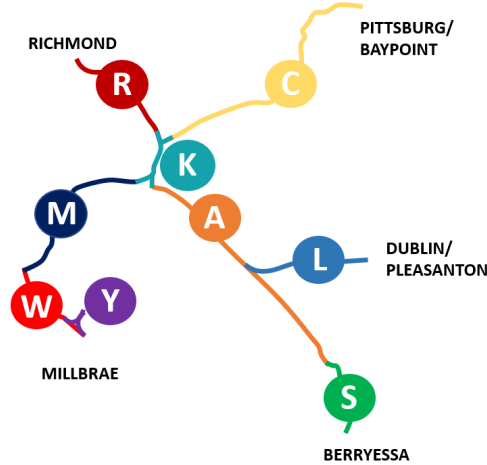
- None

Italic: Modified milestones from previous report.

Station Access

STATUS & MILESTONES

EXPENDED Thru 06/2023: \$39.7
FORECAST Thru 06/2025: \$69.2
TOTAL PROGRAM VALUE: \$135
PERIOD CASHFLOW: \$1.0



STATUS – Expand Safe Access to Stations

# Projects in Planning	# Projects in Design	# Projects in Bid/Award	# Projects in Construction	# Projects Completed	TOTAL # Projects
0	10	5	4	11	30

MILESTONES			
Completed (Apr 2023 – Jun 2023)	Q1 (Jul 2023 – Sep 2023)	Q2 (Oct 2023 – Dec 2023)	Q3 (Jan 2024 – Mar 2024)
<ul style="list-style-type: none">Issue Notice To Proceed for Accessibility Improvement (Phase 1 & 2)Completion of Design for Ashby Access Improvement Project	<ul style="list-style-type: none">Completion of Construction for 12th St. Bike RacksCompletion of Design for the MacArthur Station Access Improvements	<ul style="list-style-type: none">Begin Construction of SR2B-funded Walnut/Liberty Protected Intersection near Fremont StationCompletion of SR2B-funded Iron Horse Trail Bridge Project	<ul style="list-style-type: none"><i>Completion of Design for the Dublin/Pleasanton Access Improvement Project</i><i>Begin Construction of Ashby Access Improvement Project</i>

Watchlist:

- City of Pittsburg BART Ped/Bike Connectivity Project Construction
- Walnut Ave/Liberty Street Protected Intersection Project
- Iron Horse Trail Bridge at Dublin Blvd

Italic: Modified milestones from previous report.

Relieve Crowding

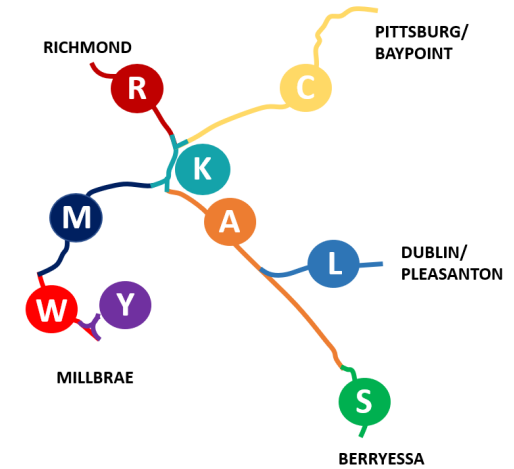
STATUS & MILESTONES

EXPENDED Thru 06/2023: **\$123.3**

FORECAST Thru 06/2025: **\$127.8**

TOTAL PROGRAM VALUE: **\$200**

PERIOD CASHFLOW: **\$10.4**



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 2023 – Jun 2023)	Q1 (Jul 2023 – Sep 2023)	Q2 (Oct 2023 – Dec 2023)	Q3 (Jan 2024 – Mar 2024)
<ul style="list-style-type: none"> Public Outreach – Full list of Concepts for Link21 (NTRC) Completion of Travel Demand and Land Use Model for Link21 (NTRC) Completion of Construction for Civic Center Scissor Stairs Begin Construction of Access Road and Concrete Retaining Wall for HMC2: Civil Grading Contract Complete Fence Fabrication for HMC2: Civil Grading Contract 	<ul style="list-style-type: none"> Link 21: Concept Refinement and Evaluation Completion of Construction for Concrete Retaining Wall for HMC2: Civil Grading Contract Complete Delivery of Concrete Ties for HMC2: Trackwork Procurement 	<ul style="list-style-type: none"> Complete Delivery of All Special Trackwork Components for HMC2: Trackwork Procurement Complete R1 Access Road Construction for HMC2: Civil Grading Contract Link21: Public Outreach - Concept Refinement 	<ul style="list-style-type: none"> <i>Complete Security Fence Installation for HMC2: Civil Grading Contract</i> <i>Complete Civil Grading Scope of Work</i>

Watchlist:

- Funding for Embarcadero Platform Elevator Construction

Italic: Modified milestones from previous report.

Thank you!

