



FY23 Capital Program & Project Update

May 12, 2022



Agenda

1

FY23 Capital Budget

- Sources & Uses
- Dashboard
- Historical Capital Budget to Actuals Comparison
- Top Priority Programs/Projects

2

Looking Back

- Prior Capital Updates Review
- Improving Project Selection and Funding
- Calendar Year 2021 and 2022 (YTD) Grants Review

3

Strengthening Capital Program Management

- FY23 Funding Strategy
- FY23 Capital Program & Project Update Report

FY23 Capital Budget

FY23 Capital Budget – Sources & Uses

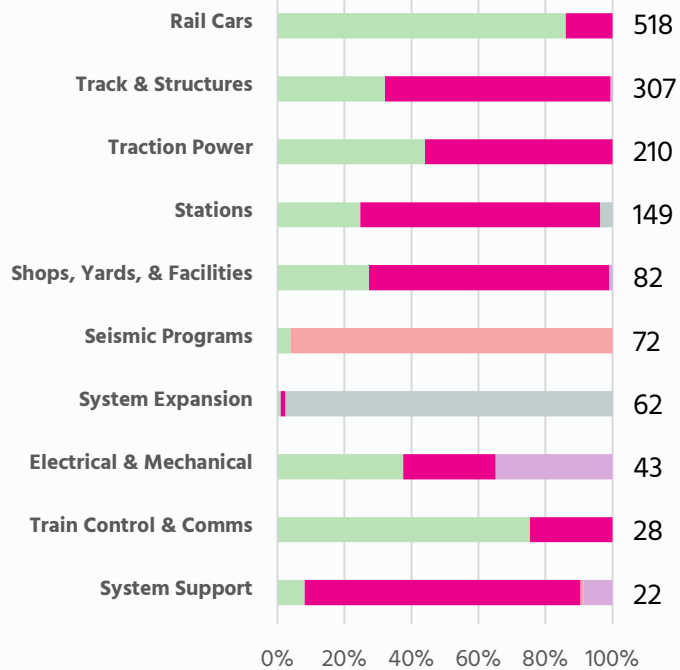
SOURCES AND USES (Millions)	FY22 ADOPTED	FY23 PROPOSED
Measure RR	\$512	\$539
Other BART	\$100	\$139
Local	\$60	\$78
MTC	\$409	\$434
State	\$9	\$61
FTA CIG	\$195	\$123
Other Federal	\$126	\$119
Reimbursable	\$8	\$8
TOTAL - CAPITAL SOURCES	\$1,419	\$1,502
CIP PURPOSE		
Earthquake Safety	\$86	\$69
Security	\$39	\$21
Services & Capacity Enhancements	\$524	\$599
System Expansion	\$79	\$66
System Reinvestment	\$683	\$739
Reimbursable	\$8	\$8
TOTAL - USES	\$1,419	\$1,502
NET RESULT	\$0	\$0

FY23 Capital Program & Project Dashboard

Total Project/Project Component Count
284

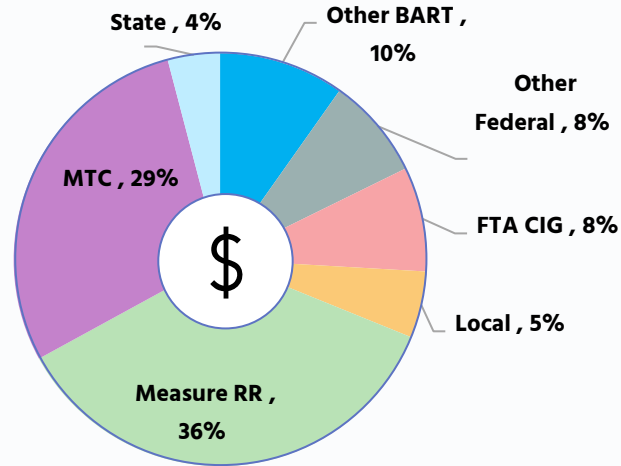
Funded Budget
\$ 1,501,953,496

Budget by CIP Category* (\$M)

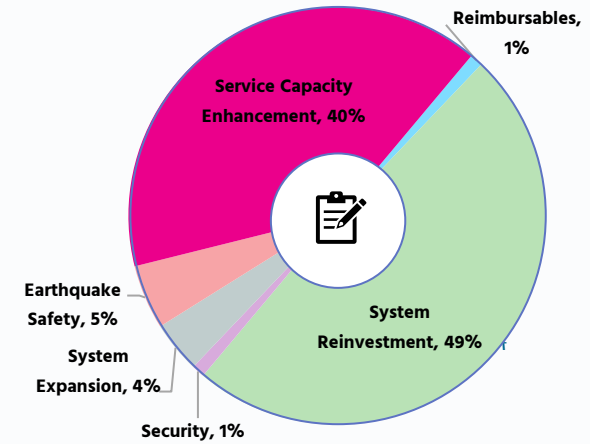


■ System Reinvestment ■ Service & Capacity Enhancement
■ Earthquake Safety ■ System Expansion
■ Security

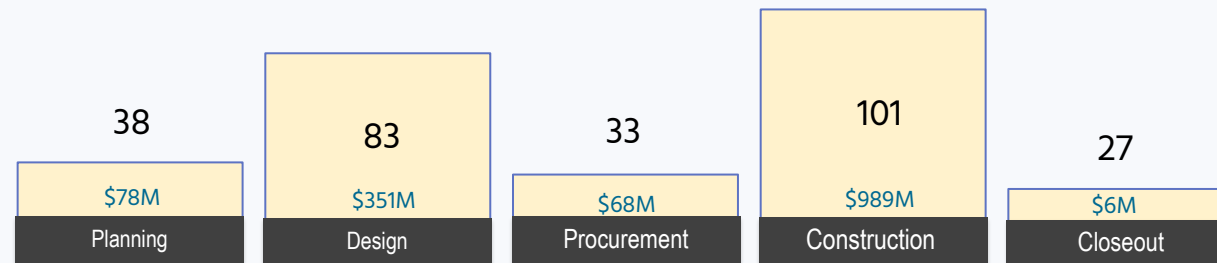
Budget By Funding Source



Budget by CIP Purpose



Budget By Phase*

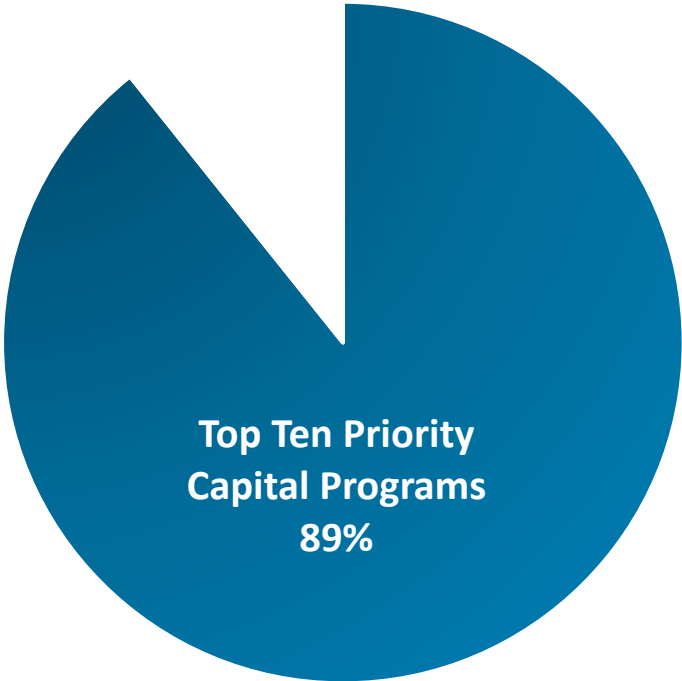


*Does not include (2) CCIPA Reimbursable capital projects, expenses (\$8M)

Top Ten Priority Programs

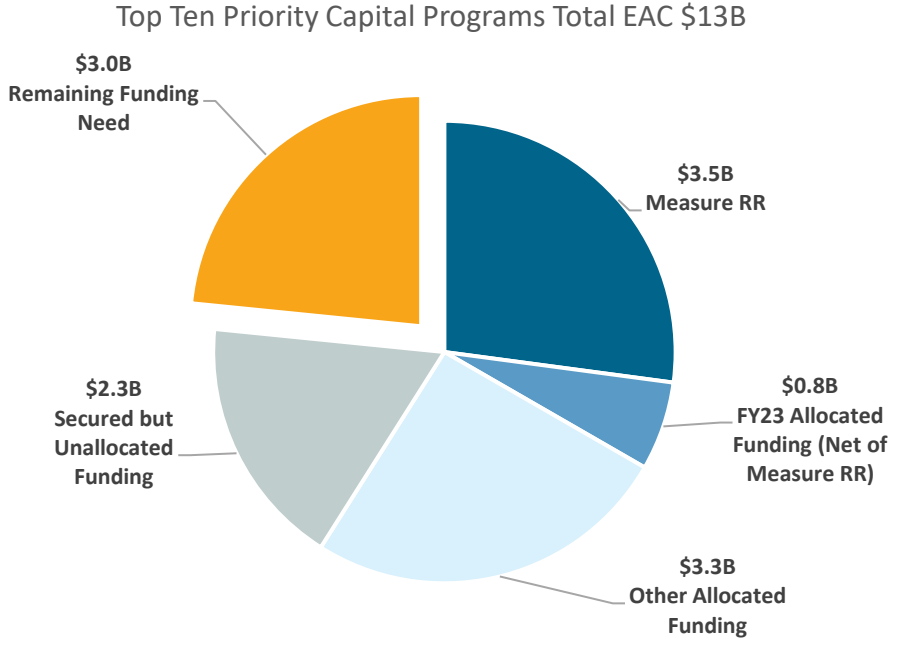
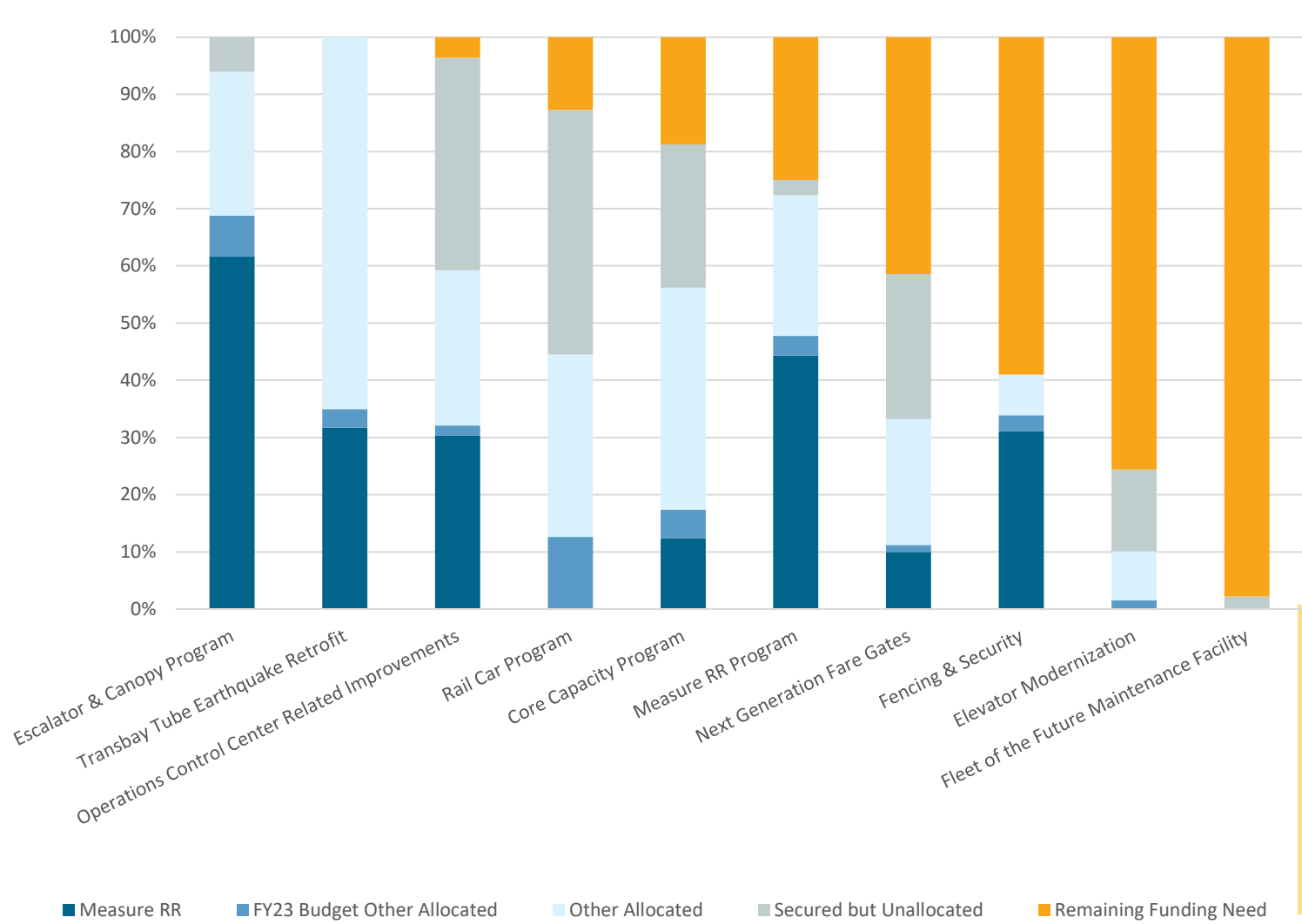
Priority Capital Programs*	FY23 Budget (\$M)
Rail Car Program**	516
Measure RR Program***	429
Core Capacity Program	274
Transbay Tube Earthquake Retrofit	69
Escalator & Canopy Program	40
Elevator Modernization Program	6
OCC Related Improvements	3
Fencing & Security Program	2
Next Generation Fare Gates Program	2
Fleet of the Future Maintenance Facility	-
Total	\$1,341M

FY23 Budget = \$1.5B



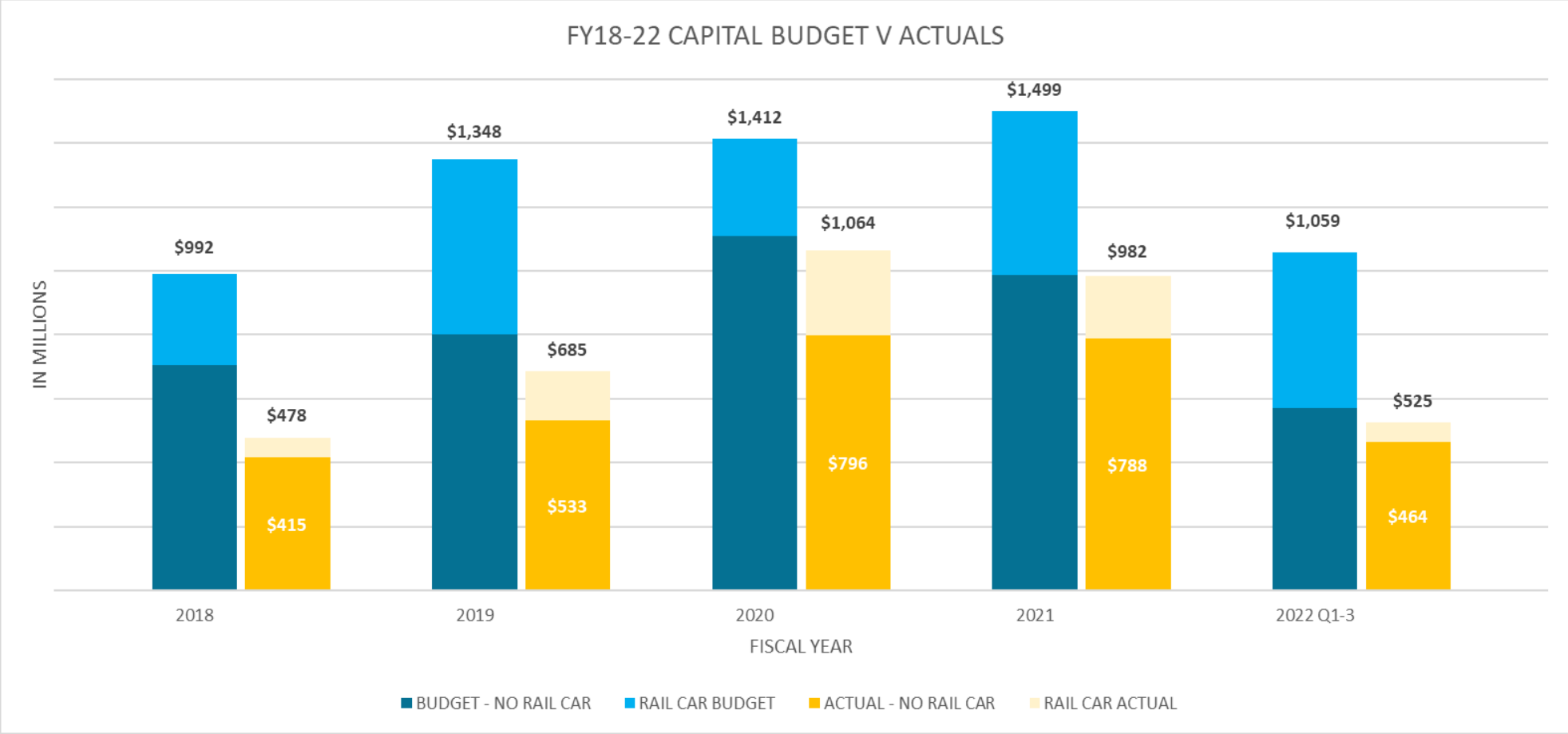
*Programs sorted by FY23 Budget.
 ** Rail Car Program overlap with Core Capacity Program (306 Rail Cars) not shown, totaling ~\$2M. Total FY23 Rail Car Program budget is \$518M.
 ***Several Priority Programs have Measure RR funds, totaling \$385M. Overlaps are not shown. Total FY23 Measure RR budget is \$814M.

Top Ten Priority Programs



- Some projects are scalable and can be managed within available funding
 - Ex. Elevator Modernization
- Other projects need full or substantial funding to advance
 - Ex. Fleet of the Future Maintenance Facility

Historical Capital Budget to Actuals Comparison

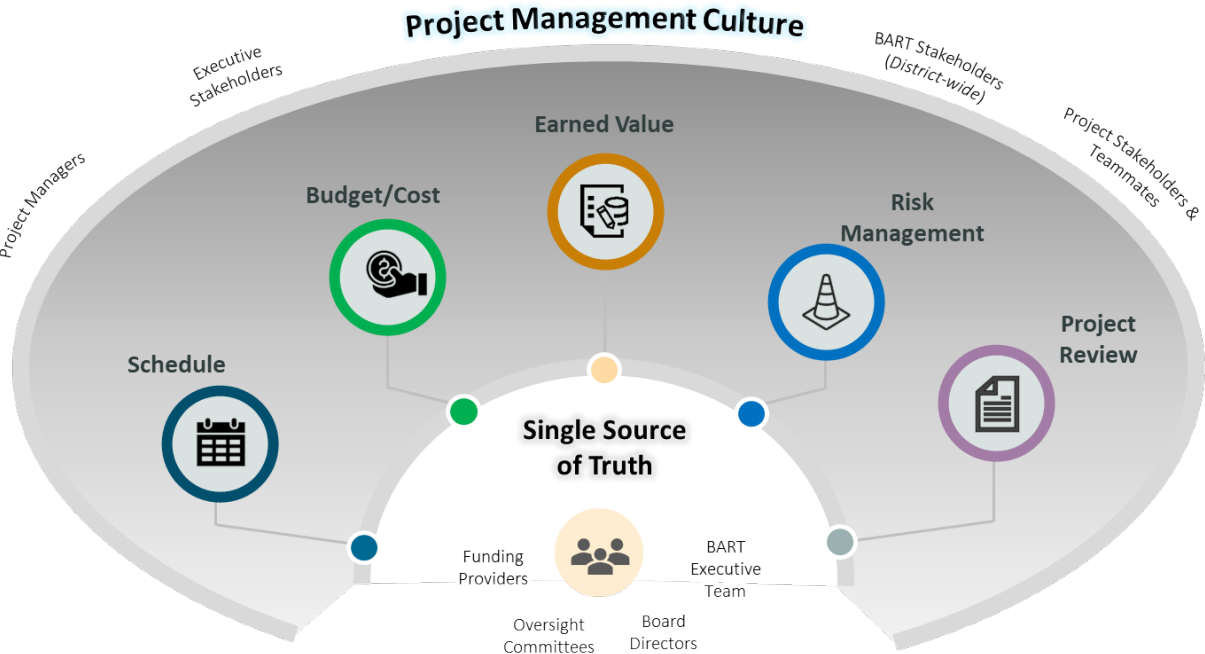
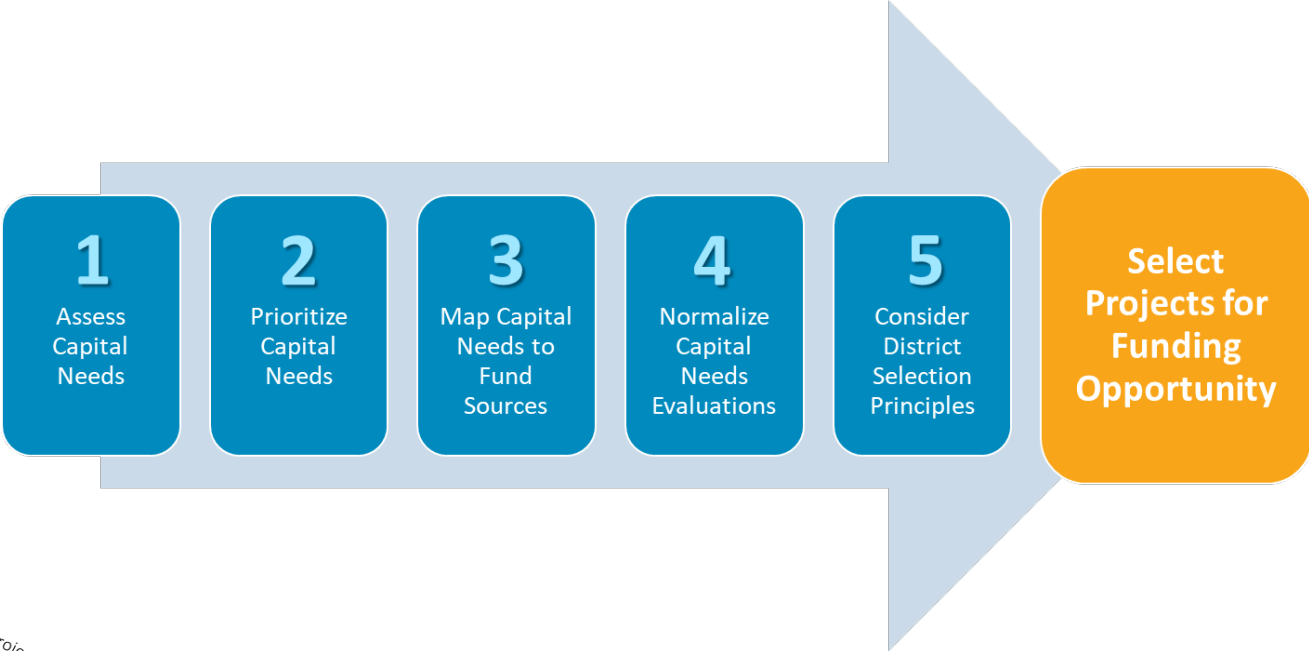


*Budgets and Actuals does not include CCJPA Reimbursables of approximately \$7-8M per FY

Looking Back

Presented Summer 2021

Capital Project Selection Framework



Capital Project Controls Framework



Improving Project Selection and Funding

DISTRICT SELECTION PRINCIPLES

- **Optimize Probability of Securing Funding**
 - Advance projects that best fit guidelines and rules of the funding program
 - Package needs into compelling project or program bundles
- **Seek to Close Funding Gaps on Critical Projects**
 - Prioritize completing the funding plan for projects that are already under contract/construction
- **Advance Hard-to-Fund Programs/Projects**
 - Give preference to projects that are difficult to fund through existing fund sources
- **Target Programmatic Balance**
 - Seek funding within following ranges:
 - 55-70% Systemwide State of Good Repair (includes security & sustainability elements)
 - 30-45% Core Capacity, Service Improvements & Expansion, and Station Modernization (includes security & sustainability elements)
 - 1-3% Security & Sustainability Improvements (stand-alone projects – security & develop funding plans that enable project to proceed timely)

Improving Project Selection and Funding

OTHER FUNDING CONSIDERATIONS

- **External Funding not Fungible Across Projects:** Generally, cannot reallocate secured funding from one project to another.
 - Capital grants cannot be spent on operating uses.
- **Complex Funding Plans Introduce Risk:** Funding projects with small grants from multiple funders introduces risk and escalation to cost and schedule.
- **Secure Funding Foundation Reduces Risk:** Pursue larger funding opportunities for major projects at the time of project initiation to mitigate funding risk.

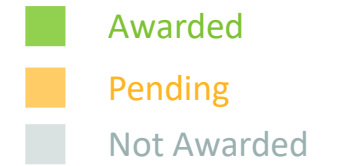
Calendar Years 2021 and 2022 (YTD) Grants in Review



**Excludes \$271M competitive discretionary ARP Additional Assistance Grant awarded in March 2022 for operating.*



CY21 & CY22 (YTD) Grants in Review



FEDERAL PROGRAMS	AMOUNT	CY	STATE PROGRAMS	AMOUNT	CY	REGIONAL & COUNTY PROGRAMS	AMOUNT	CY
FEMA COVID-19 Assistance	\$ 609,976	2022YTD	State Transportation Improvement Program (STIP)	10,000,000	2022YTD	MTC Lifeline Program (Alameda County)	\$ 404,000	2022YTD
FY22 Congressional Member Directed Spending	\$ 2,000,000	2022YTD	Affordable Housing & Sustainable Communities (AHSC)	36,520,000	2021	Alameda County Measure BB	\$ 7,650,000	2022YTD
FY21 FTA Sections 5307/5337 Formula Programs	188,764,022	2021	State of Good Repair (STA - Formulaic)	6,471,025	2021	San Francisco Proposition K	\$ 950,000	2022YTD
American Rescue Plan Supplemental CIG Funds	87,075,134	2021	Local Partnership Program - Formulaic	845,000	2021	Transit Center District Transpo. & Street Imp. Impact Fees	\$ 750,000	2022YTD
FTA Pilot Program for Transit Oriented Development	350,000	2021	California Community Power Resiliency Allocation	300,000	2021	Quick Strike Program	\$ 3,144,302	2022YTD
Transit Security Grant Program	4,512,704	2021	Low-Carbon Transit Operations Program (LCTOP)	4,368,203	2021	Proposition AA	\$ 3,144,270	2022YTD
TOTAL FEDERAL AWARDED*	\$ 283,311,836		TOTAL STATE AWARDED	\$ 58,504,228		Alameda County Msr. BB	\$ 15,000,000	2021
RAISE	25,000,000	2022YTD	Hazard Mitigation Grant Program	487,000	2022YTD	Quick Strike Program	3,144,302	2021
RAISE (Planning)	10,000,000	2022YTD	FY23 State Budget Member Requests	68,310,000	2022YTD	San Francisco Proposition K	950,000	2021
Ridership Restoration Grant	1,000,000	2021	TOTAL STATE PENDING	\$ 68,797,000		Mobility Pilot HUB	750,000	2021
Innovative Coordinated Access and Mobility Grant	500,000	2021	Caltrans Sustainable Transportation Planning Grant	400,000	2021	Transit Center District Transpo. & Street Imp. Impact Fees	1,250,000	2021
TOTAL FEDERAL PENDING	\$ 36,500,000		California Resilience Challenge 2021 Grant Program	200,000	2021	TOTAL REGIONAL & COUNTY AWARDED	\$ 37,136,874	
FY22 Congressional Member Directed Spending	3,000,000	2021	FY22 State Budget Member Requests	50,000,000	2021	Contra Costa County Measure J	3,500,000	2022YTD
RAISE	25,000,000	2021	2021 Urban and Multibenefit Drought Relieve Grant Program	6,151,466	2021	Low-Carbon Transit Operations Program (LCTOP)	9,586,000	2022YTD
RAISE (Planning)	1,000,000	2021	TOTAL STATE NOT AWARDED	\$ 56,751,466		San Francisco Proposition K	3,040,000	2022YTD
East Bay Innovation Cluster (EBIC)	451,165	2021				TOTAL REGIONAL & COUNTY PENDING	\$ 16,126,000	
TOTAL FEDERAL NOT AWARDED	\$ 29,451,165							

**Excludes \$271M competitive discretionary ARP Additional Assistance Grant awarded in March 2022 for operating.*



Strengthening Capital Program Management

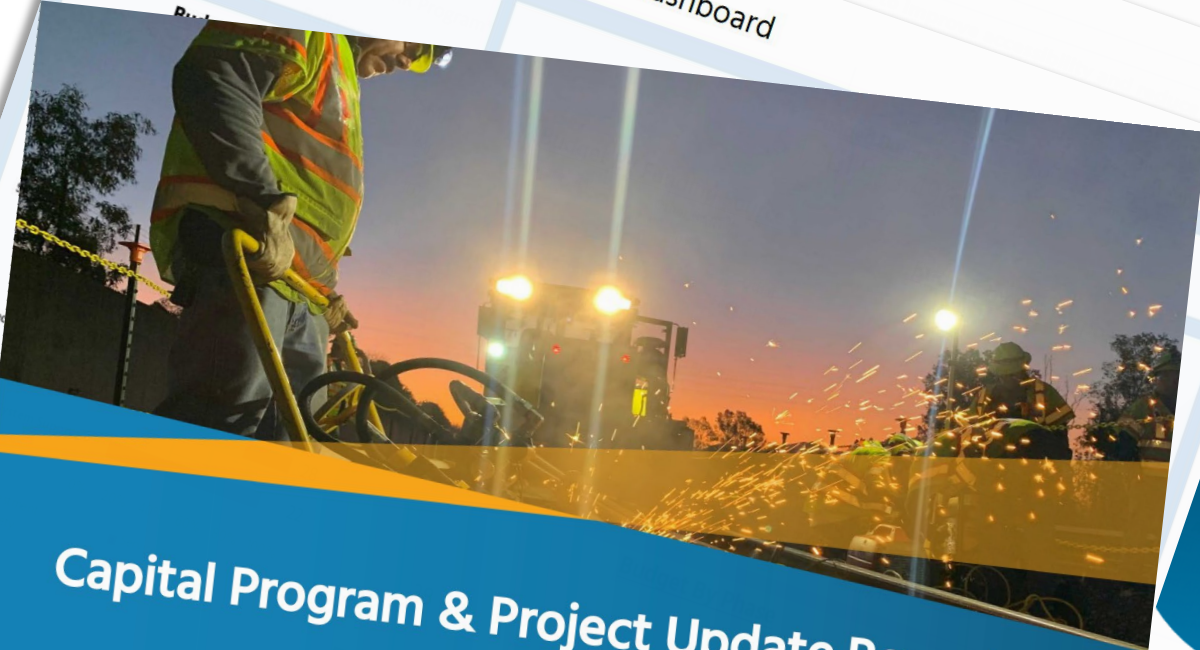
FY23 Funding Strategy

- Top federal funding priority is the Core Capacity Program (CCP)
- Top state funding priorities are CCP and Fleet of the Future Maintenance Facility (FotFMF)
- MTC
 - Megaproject Advancement Policy (MAP)
 - Bipartisan Infrastructure Law (BIL) Regional Approach
 - One Bay Area Grant Cycle 3 (OBAG3) Program top priorities Next Generation Fare Gates (NGFG) and Elevator Modernization (EM)
- County Transportation Authorities top priorities are CCP, NGFG and EM
 - ACTC Capital Investment Plan Update
 - New SF Transportation Sales Tax Expenditure Plan includes \$145M for BART, including full \$100M commitment to CCP and some funding for NGFG/EM
 - CCTA Countywide Transportation Plan & Sales Tax Reauthorization Expenditure Plan

FY23 Capital Program & Project Update Report

1. FY23 Capital Program & Project Dashboard
2. Top Ten Priority Programs
3. Priority Program Report
4. Projects by CIP Category
5. Project Report
6. Completed Projects FY22

Total Project Count
284



Capital Program & Project Update Report

FY23



2023 Budget = \$1.5B



Accessibility
Elevator AFG
Escalators



FAST
Funding Source



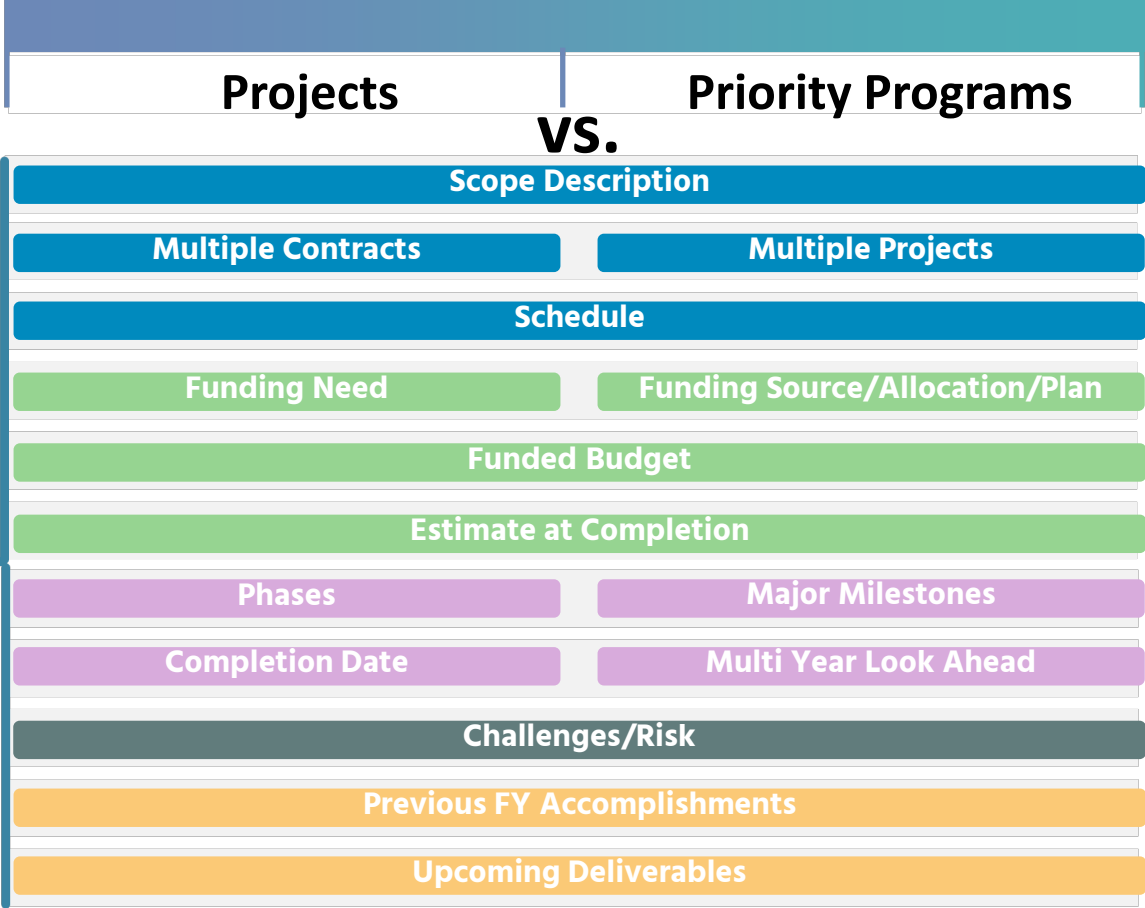
Funded Budget



Priority Program Reports



Report Content

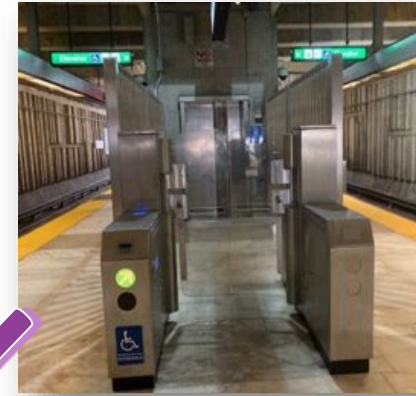
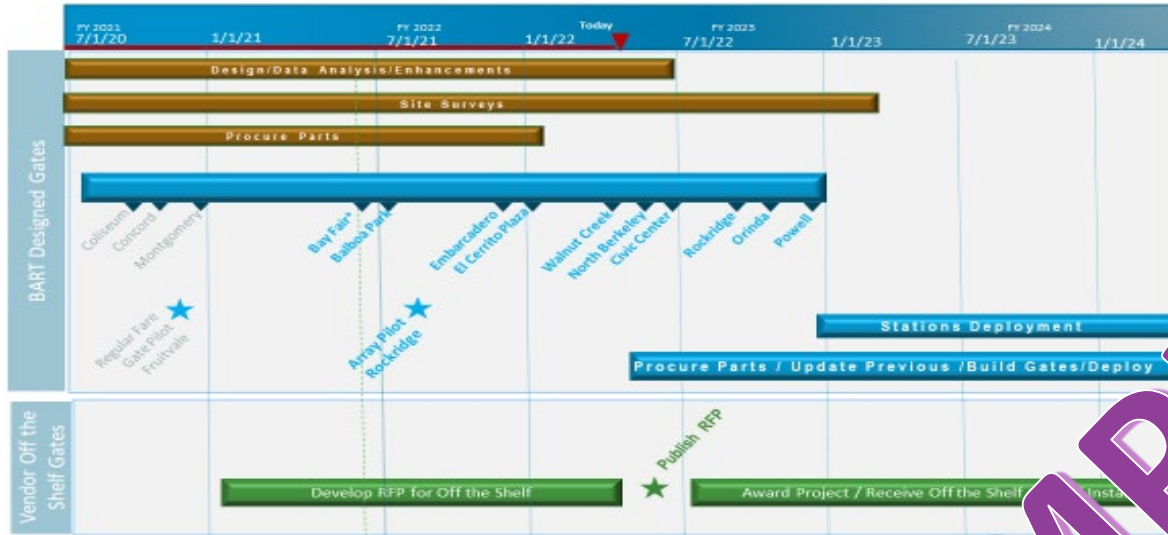


3. Priority Program Reports






3.3 Next Generation Fare Gates

Schedule – 2 Year Look Ahead



FY 22 Accomplishments

Contracts Awarded

	\$
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Funding: EAC=\$90M



Remaining Funding Need

Status Per Station

- Elevator Enclosure
- RFG
- AFG
- BART Design
- Vendor

FY 23 Deliverables

Challenges/Risks/Watchlist

EXAMPLE

FY23 Capital Program and Project Data

4. Projects by CIP Category

4.2 Traction Power

Project Name	Completion	FY22 Budget	FY23 Budget	FY23 Spend	Spent to Date	Remaining FY2023 Budget	% Complete	Closeout Date
15EJ001 - 15EJ001								
15EK001 - 15EK001								
15EK002 - 15EK002								
15EL001 - 15EL001								
15EL002 - 15EL002								
15EL003 - 15EL003								
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15EL019 - 15EL019								
15EL020 - 15EL020								



Legend

- Projects with Summary Reports
- Projects for funding risk
- Security Sensitivity Project
- C Core Capacity Program Projects
- R Measure RR Program Projects
- R! 3rd Tranche of Measure RR

FY23 Capital Program and Project Data

4. Projects by CIP Category

Project ID	Project Name	Estimate at Completion	Total Funded Budget	FY23 Budget	FY22 Spend	Spent to Date	Remaining Funded Budget	% Complete	Closeout Date
15EJRR	34.5 kV AC Cable Replacement-C line	\$95,687,061	\$92,557,281	\$13,102,865	\$7,990,454	\$17,220,071	\$70,626,589	11%	

% Complete

11%



- Project ID** - A unique identifier for a project or project component defined by BART to track a project
- Project Name** - Descriptor used for the project in Peoplesoft data base
- Estimate at Completion (EAC)** - The current expectation of total cost at the end of a project.
- Total Funded Budget** – Total available amount so for a project
- FY 23 Budget** - The projected cost to perform work on this project in fiscal year 2023
- FY22 Spend** – Actual expensed of FY22 Budget
- Spent To Date** – Actual amount spent to date
- Remaining Funded Budget** – The remaining or unspent amount out of the Total Funded Budget
- % Complete** – Actual work completed against measurable and quantifiable unit established for the project
- Closeout Date** - Projected closing date of the project

★ **Physical % Complete**

Project Summary Report

15EKRR1 | Traction Power Substations and Switching Station Replacements | Traction Power



PROJECT SUMMARY

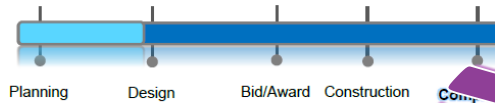
<i>What Assets are we improving?</i>	Replacement of multiple substations, 1 Switching Station.
<i>Where are the Assets located?</i>	M and C-Lines
<i>How do we improve the assets?</i>	Design, procurement, and construction for the replacement of 6 to 8 substations, 1 Switching Station. Design for total of 35 facilities



Increases service reliability	Enhances Safety and Security	Promotes Sustainability
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BUDGET/FUNDING/FORECAST

Timeline:



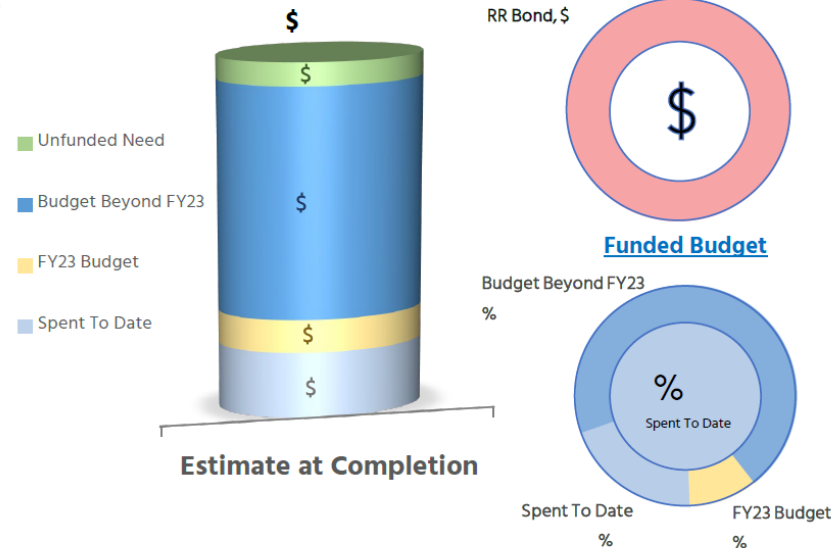
Challenges/Risks

- Need additional skilled BART engineering resources in Traction Power.
- Market conditions preclude multiple bidders.

Accomplishments

- Commenced procurement (EBID) of Walnut Creek (CVVC) Substation.

In Million Dollars



Key DATA

- SUMMARY
- SCHEDULE/TIMELINE
- RISKS
- PROGRESS
- FUNDING/BUDGET/COST

Next Steps to Capital Program & Project Reporting

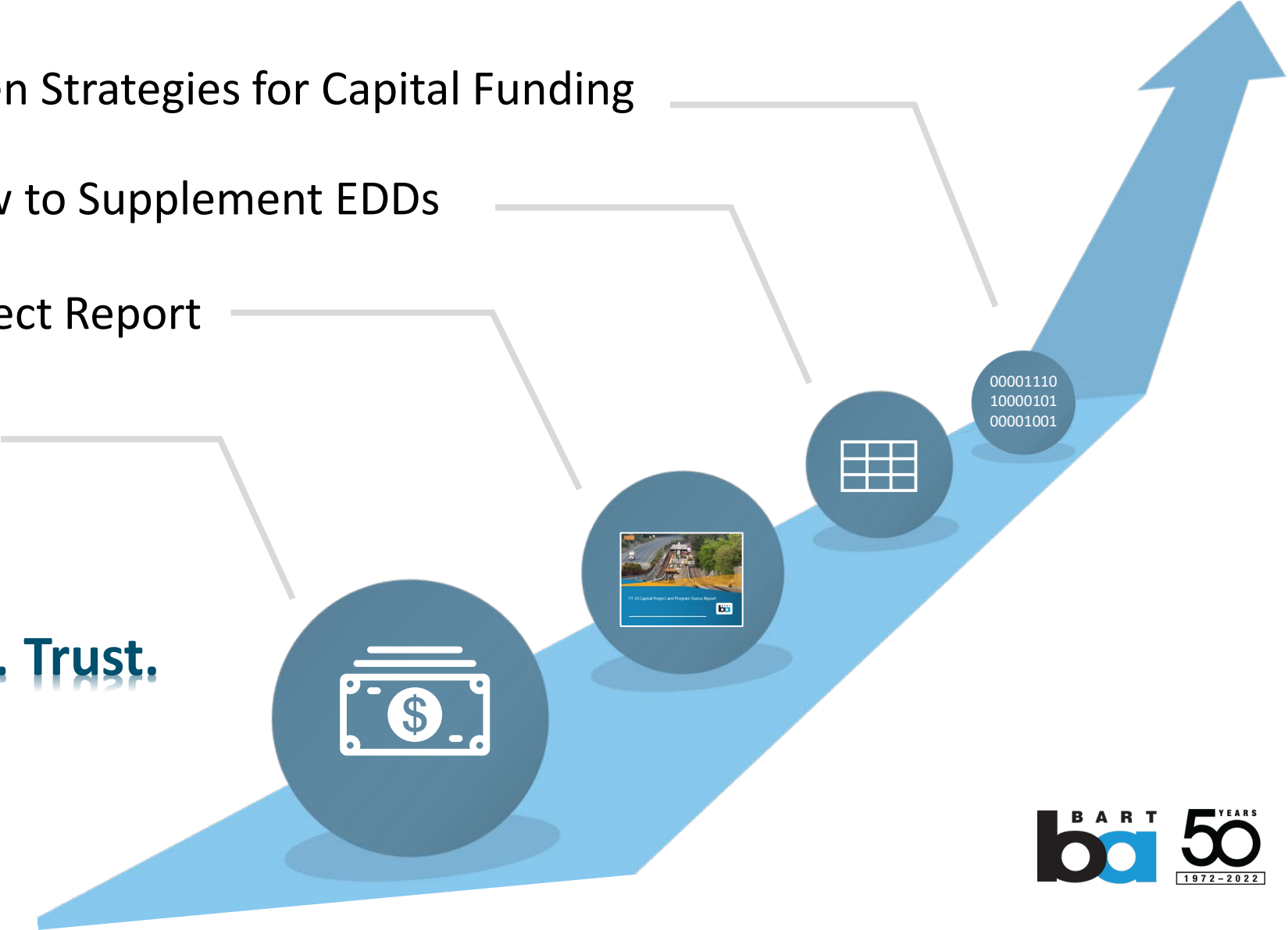
4) Data Driven Strategies for Capital Funding

3) Project Overview to Supplement EDDs

2) Capital Program & Project Report

1) Finalize Capital Budget

Transparency. Traceability. Trust.





BART Entrance
Proof of payment required beyond this point

Thank you!



50 YEARS
1972-2022