



ITEM ID: 2024-215-0

TRANSMITTAL DATE: June 7, 2024

MEETING DATE: June 14, 2024

TO: Contracts, Operations, Maintenance, and Safety Committee

FROM: Justin Fornelli, Chief, Program Delivery

SUBJECT: Quarterly Capital Program Status Report

Issue

Staff is providing an update on the progress of the Authority's Capital Program, including the Southern California Optimized Rail Expansion (SCORE) Program and the State of Good Repair Program.

Recommendation

Receive and file.

Strategic Commitment

This report aligns with the Strategic Business Plan commitment of:

- **Modernizing Business Practices:** We will improve our operational efficiency through transparency, objective metrics and streamlined governance, reducing over-reliance on subsidy while bringing our system into a state of good repair and investing in the development of our employees. The report provides our Board with timely updates on the progress of the Capital Program. The new capital program, including SCORE, adds to the safety, expansion, and growth of the system while the State of Good Repair Program ensures the safety and reliability of the Authority's existing assets.

Background

The Capital Program consists of two major components: New Capital Projects and State of Good Repair (SoGR) Programs. The Authority's Capital Program, outside of SCORE, is

budgeted annually, and projects are typically delivered over multiple years. Funding for capital projects is provided by Member Agencies through the annual budget process. The Authority also applies for local, state, and federal funds for additional SoGR and New Capital Projects.

New Capital Projects expand railroad infrastructure and improve the customer experience, including items such as new sidings, safety enhancements to grade crossings, modernizing signal and communication systems, and new rolling stock.

The SoGR Program addresses existing capital assets to keep them in a state of good repair through activities such as:

- Rehabilitation of tunnels, bridges, and culverts
- Replacement of worn ties and rail
- Replacement of worn or outdated signal system components
- Programmed rehabilitation of rolling stock components such as car door operators and heating/ventilation/air conditioning (HVAC), and mid-life overhaul of rail cars and locomotives

All project progress is tracked through the Authority's project reporting system, which is maintained by Program Management Oversight (PMO) department. Regular meetings are held with project managers to review the progress of active projects. Staff also prepare quarterly project expenditure forecasts to estimate cash flow requirements.

As part of the PMO's effort to improve its reporting and tracking capabilities, key performance indicators (KPIs) have been developed and are included in this report.

This item has been updated to reflect financial expenditures through March 31, 2024, while project schedule and status are up to date as of end of April 2024.

Discussion

Key Activities

Since the last Capital Program Status Update, multiple key accomplishments were achieved, as follows:

SCORE Program:

- Antelope Valley Line
 - Balboa Double Track Extension and Canyon Siding Projects – Completed 90% design.
 - Finalized AVL Value Engineering options. The associated design revisions are being incorporated into the projects.
- Orange County Line
 - La Palma to Avery Signal Respacing Project – Received approval of NEPA FCC Permit and commenced construction procurement.
- San Bernardino Line
 - Rancho Cucamonga Siding Project – Received Caltrans Right of Way (ROW) certification.
 - Cogswell Road Grade Crossing Project – Completed 30% design and NEPA

environmental clearance.

- Ventura County Linea
 - Simi Valley Double Track Project – Filed motion for Prejudgment Possession in condemnation proceedings of Delaware property.
 - Sequoia Avenue Project – Completed 90% design.
 -

State of Good Repair Program:

- Bombardier Passenger Car Rebuild – (50 cars currently funded for refurbishment):
 - Twenty-six (26) cars have been delivered to LA, of which twenty-four (24) are in service.
 - Six (6) additional cars to be delivered to LA by June 2024.
 - Sixteen (16) cars are in the Milwaukee factory undergoing rebuild.
 - Option Order #1 for 38 additional cars to be executed.
- On-Board Train Control Systems Rehabilitation:
 - Train Management Computer (TMC) Upgrade: All operation locomotives have been upgraded to TMC-5. Still outstanding are a few TMCs from spare inventory which are schedule to be updated in the next few months. Expected completion December 2024.
- Back Office Train Control Systems Rehabilitation:
 - Disaster Recovery Site TMDS partial failover testing successfully completed. Team is working on full failover testing by Q4 CY2024.
- Rolling Stock State of Good Repair:
 - Rotem HVAC Overhaul: 16 of 48 units overhauled.
 - Bombardier HVAC Overhaul: 157 of 180 HVAC units overhauled.
- SoGR Track, Structures, & Signal Projects by Line:
 - Antelope Valley Line
 - Wood tie to concrete tie conversions and rail replacements started in Jan 2024 at various locations.
 - Completed interior lighting upgrade for Tunnel 25 with new LEDs.
 - Ventura Line
 - All signal design CTOs have been executed and with anticipated design completion of Jun 2024. Completed interior lighting upgrade for Tunnel 26 with LEDs.
 - Orange Line
 - Drainage project in Orange County is scheduled for RFP release in late Spring 2024. OCTA turned over environmental document in April 2024.
 - San Bernardino Line

- Additional signal Construction CTOs are in progress with anticipated construction completion dates from Dec 2024 to Dec 2025.
 - Contract was executed for FY20 Structure Rehab and construction mobilization planning to start in May 2024.
 - Perris Valley Line
 - Hydrology report will be updated following the finalization of 30% Design.
 - River Corridor
 - Final design for Arroyo Seco Bridge to complete by Q3 of 2024. Selected the CM consultant in April 2024.
 - Soto St bridge construction is scheduled to start in April 2024.
- SoGR LA Union Station Rail Yard Rehabilitation & Modernization (RYRM) Project
 - Signal work is substantially complete. Contractor must finish punchlist items.
- SoGR San Juan Creek Bridge Replacement Project
 - Issued NTP to contractor in March 2024.
- SoGR Communication Systems Projects
 - WMS Upgrade to be installed across all subdivisions by December 2024.
 - Orange Line: Buena Park Station CIS upgrade substantially completed in April 2024.

Attachment A provides an overview of the Authority’s project portfolio as well as more detailed status by project type.

Quarter Ended March 31, 2024, Performance Summary

New Capital Projects

The latest performance results for the Authority are included in the following summaries. Table 1 below provides a summary of major New Capital Projects currently in progress, excluding \$1.09 Billion of SCORE funding secured by the Authority and other agencies that will be performed by entities other than the Authority.

Table 1. Capital Program by Department (\$K) (Active Projects Only)

ASSET CATEGORY	BUDGET	EXPENDED	BALANCE
Capital PTC / CRISI Grants (Communications)	\$16,076	\$8,299	\$7,777
Track, Structures, & Signals	\$117,337	\$26,916	\$90,421
SCORE (SCRRA)	\$702,648	\$79,935	\$622,713
F125 Locomotive Procurement (Rolling Stock)	\$283,779	\$277,741	\$6,038
Miscellaneous Capital Equipment (Facilities)	\$2,716	\$0	\$2,716
Other (IT)	\$5,589	\$585	\$5,004

Pacific Surfliner Corridor Rehabilitation	\$28,415	\$0	\$28,415
TOTAL	\$1,156,560	\$393,476	\$763,084

Note: Numbers may not sum to total due to rounding.

SoGR Program

The adjusted currently funded SoGR Program budget for the period of FY2016-17 through FY2023-24 is \$513 million (including reprogrammed projects of \$84 million). SoGR projects are primarily delivered over a four-year period within the departments of Program Delivery, Operations, Information Technology and Customer Experience. Reprogrammed projects are created when projects completed under budget have remaining funds and are transferred to new projects. The new projects are referred to as reprogrammed projects.

SoGR Project Status

From FY2016-17 through March 31, 2024, the Authority completed and closed 103 SoGR Projects totaling \$77 million in expenditures.

Table 2 summarizes the progress of SoGR Projects as of March 31, 2024. Current Budget for fiscal years FY2021-22 thru FY2023-24 are the approved budgets. It should be noted that due to delays in processing all FTA funding applications, the FY23 all share projects were delayed initiating.

Table 2. SoGR Project Status for Active and Completed Projects Fiscal Years 2016-17 to 2023-24 and Reprogrammed Projects (\$K)

YEAR of ADOPTION	CURRENT BUDGET	EXPENDED	BALANCE
FY2016-17	\$34,893	\$34,881	\$13
FY2017-18	\$44,121	\$40,143	\$3,978
FY2018-19	\$90,658	\$54,773	\$35,884
FY2019-20	\$62,721	\$47,652	\$15,069
FY2020-21	\$54,065	\$22,158	\$31,907
FY2021-22	\$62,018	\$13,848	\$48,170
FY2022-23	\$94,445	\$401	\$94,044
FY2023-24	\$129,805	\$1	\$129,804
Reprogrammed	\$84,136	\$65,725	\$18,412
³Total	\$656,862	\$279,582	\$377,281

Note:

1. When a project is closed or reprogrammed, the baseline budget is replaced with actual expenditures to reflect 100% of the budget being used. This adjusted budget for closed and reprogrammed projects along with the baseline budget of active projects make up the current budget.
2. Expended amounts on Table 2 are for paid and accrued invoices and do not reflect amounts billed to grantor.
3. Numbers on Table 2 may not sum to total due to rounding.

Next Steps

Through monthly review of the Capital Program, staff continues to identify areas of improvement to accelerate the delivery of projects and improve processes. Staff will also continue to keep Member Agencies informed and provide regular updates to the Board. The next Capital Program Status report is scheduled for October 2024.

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Approved by: Justin Fornelli, Chief, Program Delivery

Attachment(s)

[Attachment A - Capital Sheets Project Status June 2024
Presentation - Quarterly Capital Program Status Report](#)