



**ITEM ID:** 2023-330-0

**TRANSMITTAL DATE:** October 6, 2023

**MEETING DATE:** October 13, 2023

**TO:** Contracts, Operations, Maintenance, and Safety Committee

**FROM:** Justin Fornelli, Chief, Program Delivery

**SUBJECT:** 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 include 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- Replacement of worn or outdated signal system components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). 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 June 30, 2023, while project schedule and status are up to date as of August 4, 2023.

## **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 Project – Received 30% Design submittal.
- San Bernardino Line
  - Rancho Cucamonga Siding Project - Executed first escrow payment for the City of Rancho Cucamonga ROW acquisition.
  - Cogswell Road Grade Crossing Project - Commenced environmental efforts.
  - El Monte Siding Improvement Project - Completed Phase 1 Environmental Site Assessments (ESAs) for ROW Acquisitions.
- Ventura County Line
  - Chatsworth Station Improvements and Simi Valley Double Track Projects - Completed Phase 1 Environmental Site Assessments (ESAs) for ROW

#### Acquisitions.

- Chatsworth Station Improvements and Simi Valley Double Track Projects - Delivered Offer Packages to property owners, and commenced negotiations, for the ROW Acquisitions.
- Sequoia Ave Grade Crossing Improvements Project - Commenced design.
- Orange County Line
  - Signals La Palma to Avery Project - Commenced environmental efforts.
- Bombardier Car Rebuild Program - Sixteen (16) cars have been delivered to LA, of which fourteen (14) cars are in service. Six (6) additional cars to be delivered to LA by December 2023. Fifteen (15) cars are in the Milwaukee factory undergoing rebuild.
- Anaheim Canyon Station Improvements Project – Construction completed, and project closeout is commencing.
- Capital Positive Train Control
  - Upscaling Onboard Processing Power: 42% of fleet has upgraded Train Management Computer 5 with 7-10 units installed monthly; installation to continue through end of 2023.
- SoGR Track, Structures, & Signal Projects by Line:
  - Antelope Valley Line
    - Completed emergency rail replacement due to deficient conditions and speed restriction was removed.
    - Issued Contract Task Order to study direct fixation in Tunnel 25. Partial funding for Tunnel 25 is included in FY23 Budget.
  - Ventura Line
    - Additional signal design Contract Task Orders are in progress with anticipated design completion in June 2024.
    - FY20 Structures Rehab Complete. FY21 Structures Rehab construction commenced May 2023.
  - Orange Line
    - Rehab culverts undergoing environmental clearance through FY20 funding projects. FTA has provided review comments and are leading the engagement with Tribal Consultation.
    - Material for FY22 Track Rehab projects have been delivered and work has been accelerated. Construction work began in August 2023. Metrolink will be replacing 15,000 ties between Fullerton and San Juan Capistrano.
  - San Bernardino Line
    - Additional signal design CTOs for three crossings were issued with estimated completion date of March 2024.
    - Additional signal Construction CTOs for a control point and ten crossings are in progress with anticipated construction completion dates of December 2024 to December 2025.
  - Perris Valley Line
    - Issued signal design CTO for the upgrading of NAS Data Recorders to Micro-Aide 72B with anticipated completion date of March 2024.
    - Box Springs and CP Citrus Drainage Project - Evaluated hydrology model results and defining optimal repair alternatives. Thirty percent (30%) Design Submittal was submitted for SCRRRA review. The environmental documentation was revised to include scope at CP Citrus. Design concept is under SCRRRA review.

- River Corridor
  - Arroyo Seco Bridge Design Environment Report required additional consultation efforts from Tribal Commission, undergoing State Historic Preservation Officer (SHPO) permit process. LA River Commission provided Motion to Proceed on project after it was presented to the commission in July 2023. Final design to complete by December 2023.
- SoGR LA Union Station Rail Yard Rehabilitation & Modernization (RYRM) Project
  - All track work construction components and punch-list items are complete.
  - The signal system cut-over and testing is the last remaining item to substantially complete the project. This cut-over and testing requires a continuous four-day service outage. In coordination with Amtrak and LOSSAN, staff have scheduled this outage to occur from December 26 through 29, 2023 as this is a period of historically low ridership for the Authority. Since a majority of Metrolink service would be affected due to no access in or out of Union Station, in addition to impacts to the East and West Bank Subdivisions that provide access to the Central Maintenance Facility, it was determined that a system-wide service shutdown would be implemented. The Authority will utilize this system-wide service shutdown to complete other maintenance items on the platforms and tunnel of Union Station, in addition to state of good repair projects on the Antelope Valley and San Bernardino Lines. A customer communications plan is being developed to notify customers of the outage which will be implemented by the Authority's Marketing and Communications team over the next two months leading up to the closure. Bus bridges will not be utilized for Metrolink service during this outage.
- SoGR San Juan Creek Bridge Replacement Project
  - Invitation for Bid released July 24th, 2023. Bids received in September 2023 and are currently under review by Authority staff.
- SoGR Communication Systems Projects
  - Systemwide Initiatives: Wayside Messaging Server Upgrade to be installed across all subdivisions over next year.
  - Antelope Valley: Bootlegger's Comm Shelter replacement complete; Designs for Customer Information System Upgrades at Sun Valley and Santa Clarita Stations in-progress.
  - Ventura: Design complete for Ventura County fiber buildout to Moorpark.
  - San Bernardino: Design completed for CIS Upgrade at Cal State LA.
  - Perris Valley: Issue CTO to install fiber at comm shelters and intermediates.

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

#### Quarter Ended June 30, 2023 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)**

<b>ASSET CATEGORY</b>	<b>BUDGET</b>	<b>EXPENDED</b>	<b>BALANCE</b>
Capital PTC / CRISI Grants (Communications)	\$19,354	\$9,754	\$9,600
Track, Structures, & Signals	\$80,327	\$26,050	\$54,277
SCORE (SCRRA)	\$749,430	\$78,760	\$670,669
F125 Locomotive Procurement (Rolling Stock)	\$265,702	\$264,462	\$1,240
Miscellaneous Capital Equipment (Facilities)	\$1,100	\$11	\$1,089
Other (IT)	\$120	\$43	\$77
<b>TOTAL</b>	<b>\$1,116,033</b>	<b>\$375,400</b>	<b>\$736,952</b>

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

### SoGR Program

The adjusted currently funded SoGR Program budget for the period of FY2015 -16 through FY2022- 23 is \$497 million (including reprogrammed projects of \$81 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 FY2015-16 through June 30, 2023, the Authority completed and closed 125 SoGR Projects totaling \$89 million in expenditures.

Table 2 summarizes the progress of SoGR Projects as of June 30, 2023.

**Table 2. SoGR Project Status for Active and Completed Projects Fiscal Years 2015-16 to 2022-23 and Reprogrammed Projects (\$K)**

<b>YEAR of ADOPTION</b>	<b>CURRENT BUDGET</b>	<b>EXPENDED</b>	<b>BALANCE</b>
FY2015-16	\$10,093	\$10,093	\$0
FY2016-17	\$34,976	\$34,878	\$98
SOGR A	\$23,046	\$23,046	\$0
FY2017-18	\$44,383	\$38,758	\$5,625
SOGR B	\$9,523	\$9,523	\$0
FY2018-19	\$82,917	\$49,010	\$33,907
FY2019-20	\$63,576	\$44,612	\$18,964
FY2020-21	\$52,994	\$17,174	\$35,820
FY2021-22	\$57,672	\$5,197	\$52,475
FY2022-23	\$37,083	\$1	\$37,082
Reprogrammed	\$81,347	\$62,598	\$18,749
<b><sup>3</sup>Total</b>	<b>\$497,609</b>	<b>\$294,889</b>	<b>\$202,720</b>

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 December 2023.

Prepared by: Leopoldo Zavala, Senior Management Analyst (Project Controls)

Approved by: Justin Fornelli, Chief, Program Delivery

### **Attachment(s)**

[Attachment A - Capital Sheets Oct 2023](#)  
[Presentation - Capital Program Status Report Oct 2023](#)