

Capital Programs Quarterly Progress Report FY24 – Q3

TOPS Committee

May 29, 2024






Capital Program

Quarterly Report: FY24 – Q3

- Caltrain's Design and Construction Team managing **29 capital projects**
 - 9 in **Design**
 - 0 in **Bidding**
 - 14 in **Construction / Implementation**
 - 6 in **Closeout**
- **8 other** projects are in the planning phase
- Total value of managed portfolio **\$3.1B** (including planning)

Capital Program Quarterly Report: FY24 – Q3




- Key Performance Indicator Summary

Status Light	Safety	Schedule	Budget	Funding
 Green	97.3%	56.8%	89.2%	83.8%
 Yellow	2.7%	13.5%	2.7%	8.1%
 Red	0.0%	29.7%	8.1%	8.1%

(Percentage of projects in each status light by performance category)

Capital Program Quarterly Report: FY24 – Q3

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Schedule KPI

Continue area of focus

- 6 slipped

Non-green in all phases

- 2 planning
- 2 design
- 2 construction
- 0 closeout

Capital Program Quarterly Report: FY24 – Q3

- Program **Trend** Summary for Projects in Planning, Design, or Construction

Status Changes	Projects	Pct. Projects
All green	12	32.4%
Improved	4	10.8%
Got worse	10	27.0%
Stayed the same (except all green)	11	29.7%
Total Projects	37	

Capital Program Quarterly Report: FY24 – Q3

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Program level trends

Mixed results

- 4 improved
- 10 slipped
- Most related to increased schedules

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6 schedules increased

Construction

- Churchill Ave Grade Crossing
- FY21-22 Grade Crossing

Design

- Linden/Scott Grade Separation
- Rengstorff Grade Separation

Planning

- 4th and King Yard Preparation
- Downtown Rail Extension



Cost Estimates for Capital Projects are Increasing

FHWA Says Highway Construction Costs Continue to Soar

Cost of Such Projects Increased 53.8% in First Quarter of 2023 From \$2.86 Billion in Fourth Quarter of 2020



Roadwork in Connecticut. The National Highway Construction Cost Index continued to increase in the first quarter of 2023, though at a slower rate than in 2021 and 2022. (portal.ct.gov)

<https://www.ttnews.com/articles/fhwa-highway-costs-soar>

- The bidding environment is changing, and there is an evident surge in costs for capital infrastructure projects across the Country.
- Escalation Indices have indicated substantial percentage change in market value prices.
- Caltrain is enhancing our processes to better prepare for the future.

Bid Environment

Project	EE	Actual / Low Bid	Delta
SMART McInnis	\$2.8M	\$3.4M	21%
SMART Petaluma	\$24M	\$32M	33%
VTA Crossing Enhancements	\$5.5M	\$7.7M	40%
VTA Eastridge	\$343M	\$458M	34%
WSDOT Brickyard	\$525M	\$834M	59%
WSDOT Montlake	\$812M	\$1.37B	69%
Sacramento County Alta Mesa Bridge	\$6.5M	\$8.3M	29%
Caltrans RT 5 Rehab	\$8.4M	\$10.8M	29%
Caltrans Alameda Rehab	\$3.0M	\$4.0M	34%

Examples of recent bids in our markets.

Escalation Indices

Index	Escalation March 2020 - Sept 2023	Source
ENR Material Price Index	73.2%	https://www.enr.com/economics/historical_indices/material_price_index_history
Fuel	66.8%	https://www.eia.gov/dnav/pet/hist/EER_EPMRR_PF4_Y05LA_DPGD.htm
National Highway Construction Cost Index (NHCCI) Federal Highway Administration (FHWA) overall index	50.8%	https://explore.dot.gov/views/NHInflationDashboard/NHCCI?%3Aiid=1&%3Aembed=y&%3AisGuestRedirectFromVizportal=y&%3Adisplay_count=n&%3AshowVizHome=n&%3Aorigin=viz_share_link
Copper (Spot)	49.3%	https://tradingeconomics.com/commodity/copper
ENR Building Construction Index - San Francisco	42.9%	https://www.enr.com/economics/historical_indices/SanFrancisco
Equipment (Caltrans)	32.2%	https://dot.ca.gov/programs/construction/equipment-rental-rates-and-labor-surcharge
Steel (Spot)	31.6%	https://markets.businessinsider.com/commodities/iron-ore-price
CPI (Bureau of Labor Statistics)	18.4%	https://www.minneapolisfed.org/about-us/monetary-policy/inflation-calculator/consumer-price-index-1913-
Labor (Based on Union Agreement and Prevailing wage)	14.3%	https://www.dir.ca.gov/OPRL/2023-2/PWD/Northern.html

Future Projects Next Steps

- **Estimating**

- **Evaluate** current project budgets against **bid environment**
- Utilize Board Approved Contract with Kelly McNutt Consulting to evaluate current estimates using a **contractor-style** method

- **Contracting**

- Seek ways to **bundle work** into larger packages to attract bidders
- Explore adding **indices** for volatile commodities to share risk
- Explore other **risk allocation and incentives**
- Continue efforts to use **alternative delivery methods**, where appropriate, to obtain commercial pricing before designs are complete

Capital Program Quarterly Report: FY24 – Q3

Caltrain - Quarterly Status Report

January-March 2024

Table S3. Individual Projects

Project Number	Title	Safety		Schedule		Budget		Funding		Page
		Q2	Q3	Q2	Q3	Q2	Q3	Q2	Q3	
CONSTRUCTION/IMPLEMENTATION										
ROW Bridges										
002113	Guadalupe River Bridges Replacement and Extension	●	●	●	●	●	●	●	●	8
100762	San Francisquito Creek Emergency Bank Stabilization	●	●	●	●	●	●	●	●	15
Stations										
100761	Level Boarding Roadmap (Study)	●	●	●	●	●	●	●	●	21
ROW Grade Crossings										
100426	Churchill Avenue Grade Crossing	●	●	●	●	●	●	●	●	25
100563	FY21-22 Grade Crossing Improvements	●	●	●	●	●	●	●	●	28
100566	San Mateo Grade Crossing Improvements	●	●	●	●	●	●	●	●	31
ROW Communications & Signals										
100403	Broadband Wireless Communications System	●	●	●	●	●	●	●	●	36
100432	Migration to Digital Voice Radio System	●	●	●	●	●	●	●	●	40
100449	Next Generation Visual Messaging Sign (VMS)	●	●	●	●	●	●	●	●	43
100572	Communication System SOGR	●	●	●	●	●	●	●	●	46

Portion shown here

Full report on Caltrain's
web site

Questions

FOR MORE INFORMATION

WWW.CALTRAIN.COM

