




**August 1, 2022**

**To:** Executive Committee

**From:** Darrell E. Johnson, Chief Executive Officer 

**Subject:** Fourth Quarter Fiscal Year 2021-22 and Planned Fiscal Year 2022-23 Capital Action Plan Performance Metrics

### **Overview**

Staff has prepared a quarterly progress report on capital project delivery for the period of April 2022 through June 2022, for review by the Orange County Transportation Authority Board of Directors. This report highlights the Capital Action Plan for project delivery, which is used as a performance metric to assess delivery progress on highway, transit, and rail projects.

### **Recommendation**

Receive and file as an information item.

### **Background**

The Orange County Transportation Authority (OCTA) delivers highway, transit, rail, and facility projects from the beginning of the environmental approval phase through construction completion. Project delivery milestones are planned carefully with consideration of project scope, costs, schedule, and assessment of risks. The milestones reflected in the Capital Action Plan (CAP) are OCTA's planned and budgeted major project delivery commitments.

This report is a quarterly progress report on the CAP performance metrics, which are a snapshot of the planned CAP project delivery milestones in the budgeted fiscal year (FY).

### **Discussion**

OCTA's objective is to deliver projects on schedule and within the approved project budget. Key project cost and schedule commitments are captured in the CAP (Attachment A), which is regularly updated with project status and any new projects. The CAP is categorized into four key project groupings of freeway,

railroad grade separation, and rail and station projects. Schedule milestones are used as performance indicators of progress in project delivery. The CAP performance metrics report provides a FY snapshot of the milestones targeted for delivery in the FY and provides transparency and performance measurement of capital project delivery.

The CAP project costs represent the total cost across all phases of project delivery, including support costs, right-of-way (ROW), and construction capital costs. Baseline costs, if established, are shown in comparison to either the actual or forecast cost. Baseline costs may be shown as to-be-determined (TBD) if project scoping studies and estimates have not been developed or approved and may be updated as delivery progresses, and milestones achieved. Projects identified in the Orange County local transportation sales tax Measure M2 (M2) are identified with the corresponding M2 project logo. The CAP status update is also included in the M2 Quarterly Progress Report.

The CAP summarizes the very complex capital project critical path delivery schedules into eight key milestones.

Begin Environmental	The date work on the environmental clearance, project report, or preliminary engineering phase begins.
Complete Environmental	The date environmental clearance and project approval is achieved.
Begin Design	The date final design work begins, or the date when a design-build contract begins.
Complete Design	The date final design work is 100 percent complete and approved.
Construction Ready	The date contract bid documents are ready for advertisement, including certification of ROW, all agreements executed, and contract constraints cleared.
Advertise for Construction	The date a construction contract is advertised for construction bids.
Award Contract	The date the construction contract is awarded.
Construction Complete	The date all construction work is completed, and the project is open to public use.

These delivery milestones reflect progression across the project delivery phases shown below.



Project schedules reflect planned baseline milestone dates in comparison to forecast or actual milestone dates. Milestone dates may be shown as TBD if project scoping or approval documents have not been finalized and approved, or if the delivery schedule has not been negotiated with a partnering agency or consultant implementing the specific phase of a project. Planned milestone dates can be revised to reflect new dates from approved baseline schedule changes. Project schedules are reviewed monthly, and milestone achievements and updated forecast dates are included to reflect project delivery status.

CAP milestones achieved in the fourth quarter FY 2021-22 include:

#### Freeway Projects

- The award contract milestone for the State Route 55 (SR-55) widening from Interstate 405 (I-405) to Interstate 5 (I-5) was achieved. The California Department of Transportation awarded the \$193,587,500 construction contract to Security Paving Company, Inc., of Westlake Village, California. Construction is anticipated to be complete in mid-2026.

The following CAP milestone missed the planned delivery through the fourth quarter of FY 2021-22:

- The begin design milestone for the SR-55 widening from I-5 to State Route 91 was missed. This is the northerly of two segments of SR-55 widening between I-405 and State Route 91. However, final design work is anticipated to commence by August 1, 2022, and final design work is anticipated to be complete in mid-2025.

#### Recap of FY 2020-21 Performance Metrics

The performance metrics snapshot provided at the beginning of FY 2021-22 reflected seven planned major project delivery milestones to be accomplished in the FY (Attachment B). Six of the seven planned milestones were achieved as planned in FY 2021-22.

#### New FY 2022-23 Performance Metrics

The CAP and performance metrics have been updated and there are nine major project delivery milestones planned in FY 2022-23 (Attachment C). While there are not many milestones scheduled for delivery in FY 2022-23, there are many activities underway on major projects, including ongoing final design, ROW acquisition, utility relocation, and construction.

#### FY 2022-23 Cost and Performance Metrics Risks

OC Streetcar construction risks continue to evolve as staff regularly assess project risk and implementation of required changes, which impact the cost and construction schedule. Staff will continue making regular reports to the Board of Directors on the status of construction and expenditures.

Transportation infrastructure construction bids in the region continue to escalate with material, labor, and fuel prices driving construction costs up. Contractors continue to report various material availability shortages, including availability of concrete due to a prolonged regional cement shortage. Staff will continue to monitor market pricing trends and material availability along with the impacts on heavy civil construction in the region.

#### ***Summary***

Capital project delivery continues to progress and is reflected in the CAP. The planned FY 2022-23 performance metrics created from forecast project schedules will be used as a general project delivery performance indicator throughout the FY. Staff will continue to manage project costs and schedules across all project phases to meet project delivery commitments and report quarterly.

***Attachments***

- A. Capital Action Plan, Status Through June 2022
- B. Capital Programs Division, Fiscal Year 2021-22 Performance Metrics Through June 2022
- C. Capital Programs Division, Fiscal Year 2022-23 Performance Metrics Plan

**Prepared by:**

A handwritten signature in blue ink, appearing to read "James G. Beil".

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