

Metropolitan Transportation Commission
Regional Network Management Committee

November 8, 2024

Agenda Item 3b

**Project Funding Recommendations for Innovative Deployments to Enhance Arterials with
Transit Signal Priority (IDEA TSP) Technical Assistance Program (\$1,950,000)**

Subject:

Approval of approximately \$1,950,000 for technical assistance on transit signal priority projects as part of the IDEA TSP program.

Background – IDEA TSP:

The Bay Area has over 3,500 miles of arterials, many of which carry heavy traffic and experience significant congestion during the weekday peak periods. The IDEA TSP program is a regional initiative to provide support to cities, counties and transit agencies to develop and implement transit signal priority along their arterials to make transit faster and more reliable. Staff interviewed 16 transit agencies and cities to assess their technical assistance needs, and found a need for development support for smaller jurisdictions, and systems integration support for larger jurisdictions.

This round of IDEA TSP will provide technical assistance support to cities, counties, and transit agencies through MTC-led consultant services contracts to develop transit signal priority projects and other related improvements along and/or crossing arterials. The call for projects was released on June 21, 2024, offering grants in two categories:

- **Planning and Design to Prepare for Implementation:** developing transit signal priority projects through planning/design, in order to create “shovel-ready” projects that could compete for capital funding grants.
- **Systems Engineering and Integration:** performing development and integration of a cloud-based transit signal priority system, and/or design a communications network required to support traffic signals with transit signal priority.

Call for Projects Outreach and Engagement:

The call for projects was promoted on the ABAG Technical Assistance Portal, as well as through the Arterials Operations Committee membership, the Transit Priority Working Group, Transit Finance Working Group, and other relevant groups. In addition, MTC hosted a Tech Transfer

Seminar: “TSP 102: Beyond the Basics” on August 13, 2024 where staff from San Francisco, San Jose, Contra Costa Transportation Authority, and Golden Gate Transit shared recent transit signal priority projects using various technologies. This seminar was intended to stimulate interest in potential projects that could be funded by the IDEA TSP grant, and was attended by staff from more than 25 different public agencies and 20 private firms.

Five applications were received and reviewed by a panel including staff from MTC, Caltrans, and AC Transit, using the scoring metrics as described in the IDEA TSP Application Guidelines. The panel recommended funding all applications submitted, shown in Table 1.

Table 1. IDEA TSP Project Funding Recommendations

Agency	Project	County	Recommended Award
CCTA	Danville/Hartz/San Ramon Coordinated Adaptive Traffic Signals	Contra Costa	\$ 250,000
TAM	Marin Countywide Signal Modernization	Marin	\$ 500,000
County Connection	Four Corridors TSP	Contra Costa	\$ 200,000
SamTrans	Countywide TSP Program	San Mateo	\$ 700,000
City of San José	TSP Evaluation & Signal Retiming	Santa Clara	\$ 300,000
Total – IDEA TSP	N/A	N/A	\$ 1,950,000

Issues:

None identified.

Recommendations:

Committee Approval

Attachments:

- Presentation



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