

Metropolitan Transportation Commission Operations Committee

February 11, 2022

Agenda Item 4c

Innovative Deployments to Enhance Arterials Shared Automated Vehicles (IDEA SAV) Program Funding Agreement Actions: i. San Francisco County Transportation Authority (\$828,000); and ii. Santa Clara Valley Transportation Authority (\$826,000)

Subject:

Request for approval of funding agreements for grant awards for the IDEA SAV program.

Background:

MTC's Connected Vehicles/Automated Vehicles (CAV Program) seeks to further MTC mobility, equity, sustainability and efficiency goals by planning for and deploying connected and automated vehicle technology in the region. In September 2017 the MTC Commission revised Resolution No. 4202 to set aside \$2.5 million for the CAV Program; the federal authorization for the full program amount was received in September 2019. In 2021, MTC publicly branded the CAV Program as the IDEA SAV program. IDEA SAV is a technical assistance grant program for Bay Area public agencies that aims to improve transit service and equity by deploying SAVs and related technologies.

Program Definition and Award Selection

In December 2020, the MTC Operations Committee approved a contract with Cambridge Systematics, Inc. to advise staff on automated vehicle program best practices and analyze project proposals. In June 2021, staff released the first project solicitation within a two-stage Call for Projects process. Proposed projects were required to deploy SAV and/or related technology to meet an identified transportation need for people with disabilities, Disadvantaged Communities or Equity Priority Communities. The five Bay Area agencies below submitted conceptual proposals as a part of Stage 1:

- Contra Costa Transportation Authority (CCTA)
- Livermore Amador Valley Transportation Authority (LAVTA)
- San Francisco County Transportation Authority, as the Treasure Island Mobility Management Agency (SFCTA)
- Santa Clara County (SCC)
- Santa Clara Valley Transportation Authority (VTA)

A panel of MTC staff evaluated the applications against five criteria: 1) alignment with IDEA SAV program goals, 2) implementation feasibility, 3) project impact, 4) applicant readiness, and 5) match funding. Public workshops were held on August 17th and 18th. Based on the results of the Stage 1 evaluations and workshops, the panel invited CCTA, LAVTA, SFCTA and VTA to submit detailed Stage 2 proposals. The SCC application was eliminated, as it ranked low in its ability to align with program goals and provide project benefits. In October 2021, MTC received detailed Stage 2 applications from the four invited agencies. After evaluating the applications, the panel unanimously recommends authorizing awards to:

- SFCTA for \$828,000 to extend an automated shuttle deployment and community outreach process on Treasure Island.
- VTA for \$826,000 to deploy advanced passenger management systems to accommodate elderly and disabled riders of automated transit in the Palo Alto area.

Issues:


None identified.

Recommendations:

Staff recommends that the Committee authorize the Executive Director or designee to negotiate and enter into the following: 1) a funding agreement with the San Francisco County Transportation Authority, in an amount not to exceed \$828,000, to extend an automated shuttle deployment and community outreach process on Treasure Island; and 2) a funding agreement with the Santa Clara Valley Transportation Authority, in an amount not to exceed \$826,000, to deploy advanced passenger management systems in the Palo Alto area.

Attachments:

- None



Therese W. McMillan

Request for Committee Approval

Summary of Proposed Funding Agreement

Work Item No.: 1238

Work Project Title: Treasure Island Automated Vehicle Shuttle Project
San Francisco, CA

Purpose of Project: Improve transit service and equity by deploying a shared automated vehicle.


Brief Scope of Work: Extend an automated shuttle deployment and community outreach process on Treasure Island.

Project Cost Not to Exceed: \$828,000

Funding Source: Surface Transportation Program (STP)

Fiscal Impact: Funding is included in the MTC Fiscal Year 2021-2022 Budget

Motion by Committee: That the Executive Director or designee is authorized to negotiate and enter into a funding agreement with the San Francisco County Transportation Authority to extend an automated shuttle deployment and community outreach process on Treasure Island as described above and in the Operations Committee Summary Sheet dated February 11, 2022 and that the Chief Financial Officer is authorized to set aside \$828,000 for such funding agreement.

Operations Committee: 

Carol Dutra-Vernaci, Chair

Approved: February 11, 2022

Request for Committee Approval

Summary of Proposed Funding Agreement

Work Item No.: 1238

Work Project Title: Palo Alto Advanced Passenger Management Project
Palo Alto, CA

Purpose of Project: Improve transit service and equity by accommodating elderly and disabled riders of automated transit.

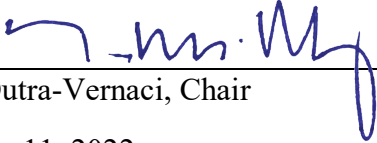
Brief Scope of Work: Deploy advanced passenger management systems in the Palo Alto area.

Project Cost Not to Exceed: \$826,000

Funding Source: Surface Transportation Program (STP)

Fiscal Impact: Funding is included in the MTC Fiscal Year 2021-2022 Budget

Motion by Committee: That the Executive Director or designee is authorized to negotiate and enter into a funding agreement with the Santa Clara Valley Transportation Authority to deploy advanced passenger management systems in the Palo Alto area as described above and in the Operations Committee Summary Sheet dated February 11, 2022 and that the Chief Financial Officer is authorized to set aside \$826,000 for such funding agreement.

Operations Committee: 

Carol Dutra-Vernaci, Chair

Approved: February 11, 2022