

June 18, 2024

To: Members of the Disability Advisory Commission, Physical Access Subcommittee

Subject: SMART Program - Sacramento County Complete Pedestrian Trips

Location/District: All

Recommendation: Review and Comment

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Summary:

In a first for the United States, SacDOT will partner with Carnegie Mellon University to propose the Sacramento County Complete Pedestrian Trips Project, a pilot of a pedestrian wayfinding mobile application (“app”) at community scale that gives people real time directions for walking and rolling to their destination, customized to the individual’s mobility needs. The estimated grant request is two million dollars, the maximum amount.

The app provides information such as presence of sidewalk, location of curb ramps, sidewalk slope, and major obstructions, which is especially helpful to seniors and people with disabilities. At selected major intersections, the user can request an extension of the pedestrian crossing time through the app to accommodate their required crossing time. Through a crowdsourcing capability, users can report temporary obstacles, such as construction and tripping hazards. The app also integrates with General Transit Feed Specification, which would allow the user to navigate for the first and last mile to a transit stop on foot or wheeled mobility device, take the bus, and continue to use the pedestrian directions after the user has exited the bus.

The app deployment area will be the four environmental justice communities (EJC) in unincorporated Sacramento County: West Arden, North Highlands, South Sacramento, and Vineyard. Automated Traffic Signal Performance Measures (ATSPM) will also be implemented to provide real-time travel metrics and signal operations information.

This project was also submitted to the USDOT Advanced Transportation Technology and Innovation (ATTAIN) Program in January 2024. SacDOT expects to learn whether the project will be recommended for funding in summer 2024.

Funding Source(s): USDOT Strengthening Mobility and Revolutionizing Transportation (SMART) Grant Program

Background Information:

The USDOT SMART Program is authorized by the Bipartisan Infrastructure Law and funds demonstration projects focused on advanced smart community technologies and systems to improve transportation efficiency and safety. The program has two components: Stage 1 Planning and Prototyping Grants (Stage

1 grants) and Stage 2 Implementation Grants (Stage 2 grants). The Sacramento County Complete Pedestrian Trips Project is a Stage 1 grant. The application deadline for the USDOT SMART Program is July 12, 2024.