

SAN FRANCISCO
MUNICIPAL TRANSPORTATION AGENCY
BOARD OF DIRECTORS

RESOLUTION No. 201103-094

WHEREAS, The SFMTA seeks to implement a 12-month Pilot Project to improve traffic safety by developing and implementing a system of “Smart Signals” that uses traffic sensors, cameras, and software to obtain real-time traffic data and applies traffic flow algorithms to modify signal timing along 10 intersections on 3rd Street, from Channel to 20th Street, to adjust signal timing to respond in real-time to changing traffic flow conditions and to improve traffic safety for pedestrians, bicyclists, and transit riders, while maintaining efficient traffic flow; and,

WHEREAS, The Federal Highway Administration will fund the Pilot Project under a grant; and

WHEREAS, The SFMTA selected Arcadis U.S., Inc. based on its demonstrated expertise and experience in applying technology to achieve Vision Zero, Transit First program goals of pedestrian and traffic safety; and,

WHEREAS, The proposed project complies with the San Francisco Acquisition of Surveillance Technology Ordinance; and,

WHEREAS, The Connected Vision Zero Corridor (CVZC) Proof of Concept Project, one of four projects stipulated in the ATCMTD grant, seeks to (1) improve safety for all modes (2) reduce public transit travel times (3) reduce signal delays and (4) reduce idling and greenhouse gas emissions through the deployment of cameras, sensors, and software on a selected corridor; and,

WHEREAS, SFMTA successfully completed a proof of concept feasibility study in January 2020 to demonstrate the technical capabilities of sensors to collect accurate and precise vehicle and pedestrian locations, speeds and directions and the ability to transfer the large datasets over the SFMTA network for processing, storage and analysis; and,

WHEREAS, SFMTA seeks to build upon the proof of concept feasibility study to deploy an integrated technical solution using real-time data and advanced traffic flow algorithms along 10 intersections on 3rd Street, from Channel to 20th, to dynamically change the signal phasing based on existing traffic flow conditions and the presence of various modes including transit, pedestrians, bicycles and vehicles; and,

WHEREAS, As a Pilot Project, the Smart Signals Project is not required to competitively bid technology procurement; Staff selected Arcadis U.S., Inc. after researching leading ITS technical solutions, consulting with peers in sister cities and in industry; and,

WHEREAS, The software, equipment and related services to be provided under this Contract are proprietary, and are therefore procured as a sole source contract in accordance with federal procurement requirements; and,

WHEREAS, There is no Small Business Enterprise (SBE) subcontracting participation requirement for this Contract; and,

WHEREAS, On September 3, 2020, the California Department of Transportation (Caltrans), under authority delegated by the Federal Highway Administration, determined that the project has no significant impacts on the environment as defined by the National Environmental Policy Act (NEPA). Caltrans determined that pursuant to 23 USC 326 this project is a Categorical Exclusion under 23 CFR 771.117(c): activity (c)(21); and,

WHEREAS, The proposed project is subject to the California Environmental Quality Act (CEQA). CEQA provides a categorical exemption from environmental review for operation, repair, maintenance, or minor alteration of existing public facilities including existing highways and streets, sidewalks, gutters, bicycle and pedestrian trails, and similar functions as defined in Title 14 of the California Code Regulations Section 15301; and,

WHEREAS, On September 22, 2020, the SFMTA determined [Case Number 2020-008518ENV] that the proposed project is categorically exempt from CEQA as defined in Title 14 of the California Code of Regulations Section 15301; and the proposed action is the Approval Action as defined by the S.F. Administrative Code Chapter 31; and,

WHEREAS, A copy of the NEPA and CEQA determinations are on file with the Secretary to the SFMTA Board of Directors and is incorporated herein by reference; now, therefore, be it.

RESOLVED, That the San Francisco Municipal Transportation Agency Board of Directors awards Contract No. SFMTA-2020-61-FHWA to Arcadis U.S., Inc., for sole source procurement of software, equipment and related professional services to support the pilot project Connected Vision Zero Corridor Proof of Concept Project, for an amount not to exceed \$1,514,492.20 and a term not to exceed 12 months.

I certify that the foregoing resolution was adopted by the San Francisco Municipal Transportation Agency Board of Directors at its meeting of October 20, 2020.



Secretary to the Board of Directors
San Francisco Municipal Transportation Agency