



City of Santa Clara

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Agenda Report

22-1748

Agenda Date: 3/22/2022

REPORT TO COUNCIL

SUBJECT

Action on an Agreement with Iteris, Inc. for Design Professional Services for the Great America Parkway and Tasman Drive Traffic Signal Interconnect Project

COUNCIL PILLAR

Deliver and Enhance High Quality Efficient Services and Infrastructure

BACKGROUND

The City contains over 145 signalized intersections and many of them are interconnected to the City Traffic Management Center using fiber optic or copper cables. The interconnected traffic signal system allows the City to better manage traffic operations at various times of the day and days of the week. Fiber optic cables provide faster data transmission speeds and support higher resolution video streams and future “smart” signals.

Included in the Adopted Biennial Capital Improvement Program Budget for FY 2020/21 and FY 2021/22 is an annual transportation project titled, Traffic Signal Interconnect Upgrade (Project No. 1232). This project will expand and upgrade the interconnected traffic signal system as needed. Currently, Great America Parkway and Tasman Drive are interconnected via copper wires. The traffic signals and traffic monitoring cameras along these two major corridors are used by the Department of Public Works (DPW) staff to control traffic during stadium events. The Great America Parkway and Tasman Drive Traffic Signal Interconnect Upgrade Project (Project) proposes to replace the existing copper interconnect cables with fiber optic cables, equipment, and pull boxes along Great America Parkway and Tasman Drive to allow transmission of high resolution video streams and support future adaptive traffic signal control. See Attachment 1 for project location map.

DISCUSSION

A formal selection process was utilized to solicit proposals from consultants to provide the required professional services. In October 2021, staff issued a competitive Request for Proposals (RFP) on the City's e-procurement system, for the Project. Staff received proposals from five firms: Advanced Mobility Group, DKS Associates, GHD, Iteris Inc., and Kimley-Horn and Associates.

A proposal review panel consisting of staff from the DPW Design Division and Traffic Engineering Division evaluated each proposal against the criteria set forth in the RFP, including, responsiveness to the RFP, proposed team's experience, project approach, and ability to complete the project within the proposed schedule. Based on the panel's evaluation, Iteris Inc. (Iteris) is recommended for award of contract. Iteris submitted the best proposal, demonstrated a strong project understanding, and provided an excellent project approach to investigate and resolve the issues presented in the RFP. Iteris has extensive traffic experience working in California and has successfully completed numerous traffic signal interconnect projects.

The proposed agreement (Attachment 2) includes a refined scope of work based upon negotiations. The scope of work includes preliminary engineering, construction documents (plans, specifications, and engineer's estimate) for public works bidding, assistance with obtaining building permit(s), and engineering support services during bid, award, and construction. Staff recommends entering into the Agreement with Iteris, Inc. to complete design professional services for the Project. Design of the Project is anticipated to be completed by summer 2023 and construction of the project is anticipated to be completed in summer 2024. The Agreement includes a section covering prevailing wage requirements.

ENVIRONMENTAL REVIEW

Council action on this item does not constitute a "project" within the meaning of the California Environmental Quality Act ("CEQA") because it is an administrative activity that will not result in direct or indirect physical changes in the environment as set forth in section 15378(b)(5) of the CEQA Guidelines.

FISCAL IMPACT

The proposed Agreement is for a total not-to-exceed amount of \$158,000. This amount includes \$137,105 for basic services and \$20,895 for additional services. Sufficient funds for the agreement are available in the Traffic Signal Interconnect Upgrade Project (Project No. 1232) in the Streets and Highways Capital Fund.

COORDINATION

This report has been coordinated with the Finance Department and the City Attorney's Office.

PUBLIC CONTACT

Public contact was made by posting the Council agenda on the City's official-notice bulletin board outside City Hall Council Chambers. A complete agenda packet is available on the City's website and in the City Clerk's Office at least 72 hours prior to a Regular Meeting and 24 hours prior to a Special Meeting. A hard copy of any agenda report may be requested by contacting the City Clerk's Office at (408) 615-2220, email clerk@santaclaraca.gov <<mailto:clerk@santaclaraca.gov>>.

RECOMMENDATION

1. Approve and authorize the City Manager to execute an agreement for Design Professional Services with Iteris, Inc. for the Great America Parkway and Tasman Drive Traffic Signal Interconnect Project in the amount not-to-exceed \$158,000; and
2. Authorize the City Manager to make minor modifications to the agreement, if needed.

Reviewed by: Craig Mobeck, Director of Public Works

Approved by: City Manager's Office

ATTACHMENTS

1. Project Map
2. Agreement