

City of Visalia
Agenda Item Transmittal

Meeting Date: 11/16/2020

Agenda Item Number (Assigned by City Clerk): 3.

Agenda Item Wording: Authorize the City Manager to award the professional design services contract to Kimley-Horn and Associates, Inc. for the design of the Traffic Signal Interconnect Project along Ben Maddox Way and Tulare Avenue in the amount of \$136,615.00. Appropriate \$150,000 from Measure R Local Fund (131) and create a new CIP project for the design phase.

Deadline for Action: None

Submitting Department: Public Works

Contact Name and Phone Number:

Eric Bons, Senior Civil Engineer, eric.bons@visalia.city, 713-4350

Frank Senteno, City Engineer, frank.senteno@visalia.city, 713-4331

Nick Mascia, Community Development Director, nick.mascia@visalia.city, 713-4323

Department Recommendation:

Staff recommends that the City Council authorize the City Manager to award the professional design services contract to Kimley-Horn and Associates, Inc. for the design of the Traffic Signal Interconnect Project along Ben Maddox Way and Tulare Avenue in the amount of \$136,615.00. Appropriate \$150,000 from Measure R Local Fund (131) and create a new CIP project for the design phase.

Summary:

This project is to provide traffic signal interconnect communication to existing traffic signals along a segment of Ben Maddox Way from Goshen Avenue to Tulare Avenue and along Tulare Avenue from Ben Maddox Way to Lovers Lane. A fiber optic communication cable will also be installed to expand the City's Information Services communication network providing communication to future City facilities and minimize the reliance on outside communication providers.

Background Discussion:

This project will install fiber optic communication cable between the Visalia Emergency Communication Center (VECC) and the existing signalized intersections in Ben Maddox Way from Goshen Avenue to Tulare Avenue and along Tulare Avenue from Ben Maddox Way to Lovers Lane. The project will install communication cable within the existing signal interconnect in Ben Maddox Way from Goshen Avenue to Noble Avenue and the installation of new conduit with communication cable in Ben Maddox Way from Noble Avenue to Tulare Avenue and in Tulare Avenue from Ben Maddox Way to Lovers Lane.

Communication equipment and traffic monitoring cameras will also be installed at each signalized intersection along the proposed route to allow for the monitoring of traffic and communication between the individual intersections and the Traffic Management Center (TMC) which is located within the VECC. The design will also make provisions for any future signalized intersection along the project route to be connected to communication network. The traffic signal interconnection communication will expand the Intelligent Transportation System (ITS) network to connect an additional seven signalized intersections. Five of these traffic signals will be along Ben Maddox Way from Goshen Avenue to Tulare Avenue, a traffic segment that handles an average of approximately 21,000 vehicles per day. The connectivity between the traffic signals along this corridor and the TMC will allow for the monitoring and modification of these traffic signals from the TMC.

The interconnect project will terminate at the intersection of Tulare and Lovers Lane and will connect to the existing interconnect conduit that extends west of Lovers Lane; installed as part of the Tulare Avenue Road Widening (CP9823). This conduit will serve to provide future connectivity as the southeast of the City further develops

The City of Visalia advertised a Request for Qualifications (RFQ 16-17-11) for professional design services for traffic signal and intersection improvement design services in the fall of 2016. Six firms were qualified through this process for a period of five years at which time a new Request for Qualifications would be advertised to establish a new list of qualified design consultants. This process provides a list of six qualified professional design consultants that are utilized for the design of traffic related projects approved by the City's budgeting process. This process minimized the advertisement and evaluation process associated with securing a professional design consultant for a CIP project.

Kimley-Horn and Associates, Inc. is one of the six qualified profession design consultants established by RFQ 16-17-11. The tentative schedule for this project is summarized as follows;

Design:January 2021 through May 2021
Advertisement and Bidding: June 2021 through July 2021
Construction:September 2021 through December 2021

Fiscal Impact:

The design of this project will be funded by Measure R Local Fund (131) and funding for the construction phase of the project will be addressed in detail at the time of the award of the construction of the Traffic Signal Interconnect project. The construction funding for this project has not been budgeted at this time and staff will identify the funding to be utilized prior to the construction of this project.

The table below provides an overview of the project costs.

<u>Project Funding:</u> (Design Phase)	
Measure R Local Fund (131)	<u>\$150,000</u>
Project funding:	\$150,000
 <u>Project Cost:</u>	
Design Consultant Contract	\$136,615
Design Staff Time (Estimated)	<u>\$13,385</u>
Design Subtotal:	\$150,000
 <u>Project Cost (continued):</u>	
Construction Contract (Estimated)	\$1,000,000
Contingency (Estimated)	\$100,000
Material Testing (Estimated)	\$10,000
City Surveying (Estimated)	\$15,000
City Construction Management & Inspection (Estimated)	<u>\$75,000</u>
Total Project Cost (Estimated):	\$1,350,000

There will be sufficient funds available for design based on this current funding request therefore no additional appropriations are needed at this time.

Prior Council Action: None

Committee/Commission Review and Action: None.

Alternatives: Not award the professional design services contract.

Attachments: Project Location Map
Ownership Disclosure for Contractors and Consultants

Recommended Motion (and Alternative Motions if expected):

I move to authorize the City Manager to award the professional design services contract to Kimley-Horn and Associates, Inc. for the design of the Traffic Signal Interconnect Project along Ben Maddox Way and Tulare Avenue in the amount of \$136,615.00. Appropriate \$150,000 from Measure R Local Fund (131) and create a new CIP project for the design phase.

Copies of this report have been provided to:

Environmental Assessment Status

CEQA Review: No CEQA Categorical Exemption required for the design phase of this project.
NEPA Review: No NEPA Environmental Assessment required for design phase of this project.