



Legislation Text

File #: 14-476, **Version:** 1

AUTHORIZATION TO ENTER INTO AMENDMENT NUMBER ONE TO EXTEND THE CURRENT AGREEMENT WITH STANLEY CONSULTANTS, INC. FOR THE DESIGN OF INTELLIGENT TRANSPORTATION SYSTEMS INFRASTRUCTURE ON 67TH AVENUE, FROM GLENDALE AVENUE TO CHOLLA STREET

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Purpose and Recommended Action

This is a request for City Council to authorize the City Manager to enter into Contract Amendment Number One with Stanley Consultants, Inc. for the design of intelligent transportation systems (ITS) infrastructure on 67th Avenue, between Glendale Avenue and Cholla Street. This amendment extends the term of the professional services agreement to December 10, 2016. All other provisions of the original contract shall remain in place.

Background

Since 2003, the city has made a significant investment in deployment of ITS infrastructure along arterial streets to enhance the management of traffic. These improvements enable Transportation staff to remotely monitor traffic and make signal timing changes based on current traffic patterns, as well as in response to resident requests. The city's ITS system is currently comprised of over 100 miles of fiber optic communications cable that provides communications to 145 of the city's 192 traffic signals, 100 closed-circuit television (CCTV) cameras and 10 dynamic message signs. Future infrastructure expansions on Peoria Avenue, as well as along Olive, Northern and 51st Avenues are under design and expected to be constructed in fall 2015.

This project allows for seven additional signals and four CCTV cameras to be added to the system. In September 2012, Transportation Services, in coordination with Engineering staff, identified Stanley Consultants, Inc. as the most qualified company on Engineering's on-call consultant list to perform this work.

Analysis

Shortly after the execution of this agreement, the Arizona Department of Transportation (ADOT) changed its policy regarding their project review. The new policy requires an intergovernmental agreement (IGA) be in place prior to any ADOT review, which delayed this project approximately 10 months.

The installation of ITS infrastructure along 67th Avenue, from Glendale Avenue to Cholla Street, was identified in the city's ITS Strategic Plan and will close a gap in the traffic management system. Once completed, all signals on 59th and 67th avenues, north of Glendale Avenue, will be connected to the central signal system. This project is identified in the Maricopa Association of Governments' Transportation Improvement Program, and \$904,164 in federal funds for construction have been secured for Federal Fiscal Year 2016 (October 1, 2015 - September 30, 2016). The estimated total project cost is \$1,091,664. The remaining \$187,500 is

programmed in the Capital Improvement Plan Smart Traffic Signals Account (2210-65005-551200).

The cost for design of this ITS project in accordance with the federal aid requirements is estimated to be \$194,878, which includes the project assessment, utility, right-of-way, and environmental clearances, construction plans, project specifications and an engineer's estimate. Additionally, the scope of work includes post design services, such as attending construction meetings, responding to contractor questions, reviewing project submittals, preparing design changes and completing as-built drawings as required by the ADOT. This project is currently at 60 percent design and is being reviewed by ADOT.

Previous Related Council Action

On October 8, 2013, Council approved an IGA with ADOT for project administration, design review, construction bidding and construction administration of ITS infrastructure of 67th Avenue, between Glendale Avenue and Cholla Street.

On December 11, 2012, Council approved a professional services agreement with Stanley Consultants, Inc., for the design of ITS infrastructure on 67th Avenue, between Glendale Avenue and Cholla Street.

Community Benefit/Public Involvement

Technology enhancements will continue to provide efficient traffic management for the traveling public, and this design project will address improvements to the ITS infrastructure along one of Glendale's most critical north-south corridors.

Budget and Financial Impacts

Council authorized the funding of this contract on December 11, 2012. To date, a total of \$155,931 of the \$194,878 not-to-exceed contract amount has been spent, with \$38,947 remaining.

This project is funded by the Transportation Sales Tax Fund and is available in the Fiscal Year 14-15 Capital Improvement Plan Smart Traffic Signals account (2210-65005-551200).