



**CITY OF TEMPE
REQUEST FOR COUNCIL ACTION**

**Council Meeting Date: 10/22/2015
Agenda Item: 5B3**

ACTION: Award a construction contract to AJP Electric, Inc. for fiber optic interconnection at the intersections of Broadway Road and I-10 and Rio Salado Parkway and Loop 101.

FISCAL IMPACT: The construction contract amount is \$299,070 and the project contingency amount is \$15,000. Funds to cover this contract and related costs are appropriated for fiscal year 2015/16 in the following Capital Improvement Projects: \$295,000 from Project No. 6906169, Fiber Optic Installation and ITS Improvements – Broadway/I-10 and Rio Salado/Loop 101 and \$36,389 will be transferred from Project No. 6906171, Fiber Optic Installation and ITS Improvements – Elliot, Guadalupe and Warner, to Project No. 6906169.

RECOMMENDATION: Award construction contract.

BACKGROUND INFORMATION:

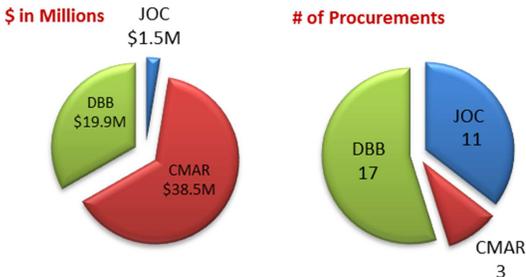
Contract Type: *Design-bid-build construction contract*

Procurement Method – Construction:

Design-Bid-Build (lowest responsible bid) was selected as the procurement method due to the standardized details, project timeline, and the ability to develop precise plans and specifications for construction of this project. The scope of work does not warrant the use of Job Order or Construction Manager at Risk construction services. The selection was based on the process set forth in A.R.S. § 34-201, et seq.

Staff is providing a snapshot of the City's current CIP construction activity by procurement method:

- CMAR – Construction Manager at Risk
- DBB – Design, Bid, Build (low-bid)
- JOC – Job Order Contract



Bid Received:

On September 2, 2015, the following bids were received:

AJP Electric, Inc.	\$299,070.00
Contractor's West, Inc.	\$299,725.00
CS Construction, Inc.	\$342,769.00
Roadway Electric, Inc.	\$343,343.00

Staff reviewed the bid of Interstate AJP Electric, Inc., the lowest responsive bid, and found it to be in order. The selection was based on the process set forth in A.R.S. § 34-201, et seq.

Project History:

The City of Tempe has a Comprehensive Transportation Plan that guides development of a citywide multi-modal street system. The Plan emphasizes the need to be able to optimize the use of the existing transportation network which can be accomplished, in part, by a transportation management system.

The purpose of the City's transportation management system is to provide the City with a reliable communications network to be able to view, monitor, and actively manage traffic conditions. The ultimate goal is to have a hybrid fiber/wireless network that will increase communications bandwidth, eliminate the need for telephone lease lines, and improve system performance.

Scope of Work:

This fiber interconnect project will provide the City with a reliable communications network to be able to view, monitor, and actively manage traffic. Specifically, this work provides for connection to the freeway fiber backbone to provide communication links at Broadway Road and I-10 and at Rio Salado Parkway and Loop 101. This will complete the City's fiber backbone rings provided thorough Arizona Department of Transportation's freeway system fiber. Work also includes installation of cameras and wireless radios along 48th Street. This includes 48th Street and Alameda Drive, which provides access to Diablo Stadium and communications where cameras will allow remote signal control during special events. Also, CCTV cameras will be installed at all freeway interchanges in the City. The cameras will support integrated corridor management efforts to manage arterial street traffic signals during freeway incidents.

The project contingency has been established at \$15,000, approximately five percent (5%) of the construction contract amount, to cover possible unforeseen conditions during construction.

ATTACHMENTS: Construction contract (technical specifications available in Engineering office).

STAFF CONTACT(S): Andy Goh, Deputy Public Works Director/City Engineer, (480) 350-8896

Department Director: Don Bessler, Public Works Director

Legal review by: Judi Baumann, City Attorney

Prepared by: Donna Rygiel, Engineering Contract Supervisor