

**CITY OF GOODYEAR
CITY COUNCIL ACTION FORM**

SUBJECT: Approve Intergovernmental Agreement (JPA 17-0006383-I) with the State of Arizona for installation of conduit, cable and other equipment at Elwood St, Cotton Ln, Estrella Pkwy, and Elliot Rd.

STAFF PRESENTER: Hugh Bigalk,
Assistant City Traffic Engineer

CASE NUMBER: N/A

OTHER PRESENTER: N/A

PROPOSED ACTION:

Authorize the Mayor or designee to execute an Intergovernmental Agreement with the State of Arizona, acting by and through its Department of Transportation, to establish responsibility for funding, purchasing, installing and maintaining fiber optic conduit, cable and equipment along Elwood Street from Cotton Lane to Estrella Parkway; Cotton Lane from Estrella Parkway to Lower Buckeye Road; Estrella Parkway from Elliot Road to Cotton Lane; and Elliot Road from San Gabriel Drive to Estrella Parkway in Goodyear.

BACKGROUND AND PREVIOUS ACTIONS:

The installation of fiber optic conduit, fiber optic cable and ITS equipment will allow staff to monitor traffic congestion, adjust traffic signal timing and coordinate traffic signals in real time from the city's Traffic Management Center (TMC) in Goodyear. This project will also present the opportunity for Traffic Operations staff to partner with other city departments to expand ITS communication needs along these routes (to get well sites and production sites tied to the SCADA system via fiber).

Cotton Lane is an arterial roadway that will have a direct connection to I-10/SR303L in late 2017. This project will connect the following traffic signals:

- Cotton Lane & Lower Buckeye Road (Construction 2017)
- Cotton Lane & Commerce Drive
- Estrella Parkway & Mountain Ranch Marketplace (Walgreen's)
- Estrella Parkway & Elliot Road
- San Gabriel Drive & Elliot Road

At Elwood Street between Sarival Avenue & Estrella Parkway, the installation of fiber optic conduit will connect the traffic signals at the previously mentioned intersections to the city's fiber optic backbone. Installation of ITS equipment at these locations will allow for real time monitoring of traffic signals and adjustment of traffic signal timing from the City's Traffic Management Center.

STAFF ANALYSIS:

This project was originally submitted through MAG in fall 2015 with an anticipated start in FY2018.

In December 2016, staff applied for FY2017 MAG closeout funding to fund the design phase of this project, which was approved by MAG Regional Council in February 2017 in the amount of \$165,025 in federal funding. The federal government's share of the funding represents 94.3% of the costs and the city's match obligation is \$9,975 for the design phase of the project, for a total of \$175,000. \$75,000 of the design phase will cover the cost for an environmental consultant, procured and managed through ADOT. The remaining design would be performed by city staff with staff costs reimbursed by federal funds not to exceed \$100,000. Design of the project will occur in FY2018.

The construction phase of the project will also be in FY2018 with an estimated cost of \$875,000, which includes \$348,661 of federal funding. The city's match obligation for the construction phase is \$49,875. Based on the IGA, the City's share of the construction costs of the project in addition to the City's match obligation is \$526,339. Staff will apply for MAG FY 2018 closeout funds for the remaining \$476,464 cost for the project. If close out funds are not awarded, the city can use MAG Special Census funds (COAC #15-5666 approved by Council on September 14, 2015) to cover this cost. Another contractual responsibility is the City is required to pay ADOT \$30,000 for Project Management Design Review.

FISCAL ANALYSIS:

The total federal fund contribution including MAG funds to this project is \$990,150. The required city match obligation is \$89,850. The City's match funds for this project are included in FY2018 and FY2019 of the Draft 2018-2027 CIP. An initial payment of \$30,000 is due to ADOT by June 1, 2017. The City has a credit of \$7,171.33 from another ADOT project, so the amount due to ADOT by June 1 is \$22,828.67. Because this project is moving forward faster than anticipated, the initial payment required in FY2017 will be made from savings or timing changes for matching funds for other ADOT federally funding projects that are in the FY2017 budget. Table 1 below shows the funding breakdown based on the terms of the IGA, and Table 2 shows the funding breakdown with the additional Federal funding that will be allocated to the project.

Table 1: Funding Breakdown Under IGA

Phase	Federal	City	Total
ADOT Fee	\$0	\$30,000	\$30,000
Design	\$165,025 ¹	\$9,975	\$175,000
Construction	\$348,661	\$526,339 ²	\$875,000
Total	\$513,686	\$566,314	\$1,080,000

¹ City Staff time reimbursable with Federal funds up to \$100,000

² Federal funding to be utilized for \$476,464 of the City's share of constructions identified in the IGA.

Table 2: Funding Breakdown With Additional Federal Funds from MAG

Phase	Federal	City	Total
ADOT Fee	\$0	\$30,000	\$30,000
Design ¹	\$165,025	\$9,975	\$175,000
Construction	\$825,125	\$49,875	\$875,000
Total	\$990,150	\$89,850	\$1,080,000

¹City Staff time reimbursable with Federal funds up to \$100,000

RECOMMENDATION:

Staff recommends approval of this Intergovernmental Agreement

ATTACHMENTS:

Exhibit A
Intergovernmental Agreement

Internal Review

<input checked="" type="checkbox"/> Legal Review Complete	Date: <u>5/1/2017</u>	Reviewed By: <u>Sarah Chilton, Assistant City Attorney</u>
<input checked="" type="checkbox"/> Finance Review Complete	Date: <u>4/27/2017</u>	Reviewed By: <u>Lauri Wingentroth, Budget Manager</u>