

**CITY OF PEORIA, ARIZONA  
COUNCIL COMMUNICATIONS**

CC: 9C  
Amend No. \_\_\_\_\_

Date prepared: August 23, 2010

Council Meeting Date: September 21, 2010

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**TO:** Carl Swenson, City Manager  
**THROUGH:** Susan J. Daluddung, Deputy City Manager  
**FROM:** Andrew Granger, P. E., Engineering Director  
**SUBJECT:** Contract, ITS Engineers and Constructors of Utah, Inc., FY2011 Traffic Signal Program (EN000170, ACON68808P8, P08-0117BP8)

**RECOMMENDATION:**

Discussion and possible action to award an individual Job Order Contract to ITS Engineers and Constructors of Utah, Inc. to complete five projects under the FY2011 Traffic Signal Program in the amount not to exceed \$735,103.

**SUMMARY:**

The Traffic Signal Program is an annually funded program allowing the City to study, design, and construct improvements to increase the safety, capacity, and efficiency of the City's existing transportation system. These improvements create greater efficiency in the movement of traffic, people, and goods within the City, address regional transportation needs and provide an opportunity to respond to the growth and development.

Staff has prepared and recommended a number of projects to be included in the program. The list of projects was developed in cooperation with various departments as well as incorporating concerns from Council and citizen input.

The recommended FY2011 Traffic Signal Program consists of five projects which are summarized below:

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**CITY CLERK USE ONLY:**

- Consent Agenda
- Carry Over to Date: \_\_\_\_\_
- Approved
- Unfinished Business (Date heard previous: \_\_\_\_\_)
- New Business
- Public Hearing: No Action Taken

ORD. # \_\_\_\_\_ RES. # \_\_\_\_\_  
LCON# \_\_\_\_\_ LIC. # \_\_\_\_\_  
Action Date:

ACON68808P8

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1. Signalize the intersection at 89<sup>th</sup> Avenue and Union Hills Drive.
  - This intersection meets warrants for signalization and provides access for one of the main response routes for Fire Station No. 192. The installation of a traffic signal will improve the safety and operation of the intersection and as well as provide pre-emption for the fire house during emergencies. This project provides for the design and construction of the traffic signal.
2. Install Eight (8) Radar Feedback Signs along 91<sup>st</sup> Avenue north of Thunderbird Road.
  - The residents of Desert Harbor have complained about speeding along 91<sup>st</sup> Avenue. This project provides for the purchase and installation of six radar feedback signs along 91<sup>st</sup> Avenue from Thunderbird to Greenway Road and two radar feedback signs along Desert Harbor Drive.
3. Install Video Detection at five (5) intersections.
  - The Maricopa Association of Governments (MAG) is starting a web based site that will report congestion levels along roadways within the region. This regional congestion map will enable people to choose routes that have less traffic in real time. Currently, these intersections either have no detection or have loops that are not able to report the data necessary for MAG to use for their map. This item will install video detection at 85<sup>th</sup> Avenue and Peoria Avenue, 84<sup>th</sup> Avenue and Thunderbird Road, 83<sup>rd</sup> Avenue and Mariners Way, 83<sup>rd</sup> Avenue and Stadium Way, 83<sup>rd</sup> Avenue and Paradise Lane.
4. Install Pedestrian Countdown Heads on various intersections.
  - New pedestrian heads have a count down feature that tells the pedestrian exactly how many seconds are left before the signal begins turning to the opposing direction. The countdown heads will be installed near schools or at high pedestrian areas. The intersections receiving countdown heads as part of this project are:
    - 95th Avenue and Olive Avenue
    - 83<sup>rd</sup> Avenue and Cholla Street
    - 79<sup>th</sup> Avenue and Thunderbird Road
    - 83<sup>rd</sup> Avenue and Mariners Way
    - 83<sup>rd</sup> Avenue and Stadium Way
    - Lake Pleasant Parkway and 87<sup>th</sup> Avenue
    - 107<sup>th</sup> Avenue and Williams Road
    - Lake Pleasant Parkway and Calle Lejos
    - Westwing Parkway and High Desert Drive
    - Lake Pleasant Parkway and Pinnacle Vista Drive

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5. Relocate the existing traffic signal pole on the southwest corner of 75th Avenue and Cactus Road.
  - The existing overhead power line has sagged dangerously close to the traffic signal pole, mast arm and signal heads. The City's Traffic Signal Technicians are no longer able to safely maintain the signal heads due to the proximity of the power lines. This project relocates the signal pole to the east approximately ten feet to maintain the clear zone.

The City's construction budget for this project is \$752,000. ITS Engineers and Constructors of Utah, Inc. has submitted a proposed cost estimate not to exceed \$735,103 for this work.

The anticipated project schedule is summarized below.

<b>Task</b>	<b>Date</b>
Contract Approval	September 21, 2010
Notice to Proceed	October 2010
Construction	October 2010
Project Close-out	April 2011

**FISCAL NOTE:**

Funding for this project is available in the FY2011 budget. Payment will be from the Transportation Sales Tax Street System Account 7010-7075-543001-CIPTC-EN000170CO in the amount not to exceed \$735,103.

**CONTACT:** Geoffrey Zinnecker, Civil Engineer, 623-773-7293

The contract  
pertaining to this  
agenda item is on file  
in the City Clerk's  
Office.