



# City of Culver City

Mike Balkman Council  
Chambers  
9770 Culver Blvd.  
Culver City, CA 90232

## Staff Report

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**File #:** 18-01072, **Version:** 1

**Item #:** C-8.

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**CC - Approval of an Amendment to the Existing Professional Services Agreement with McCain Inc. for the Adaptive Traffic Control System (ATCS) Project, PL-005 in an Additional Amount Not-to-Exceed \$99,792.**

**Meeting Date:** April 23, 2018

**Contact Person/Dept:** Hong Wang/PW Engineering

**Phone Number:** 310.253.5604

**Fiscal Impact:** Yes ☒ No ☐

**General Fund:** Yes ☒ No ☐

**Public Hearing:** ☐ **Action Item:** ☐ **Attachments:** ☐

**Commission Action Required:** Yes ☐ No ☒ **Date:**

**Public Notification:** (E-Mail) Meetings and Agendas - City Council (04/18/18);

**Department Approval:** Charles D. Herbertson (04/10/18)

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### **RECOMMENDATION**

Staff recommends the City Council approve an amendment to the existing professional services agreement with McCain Inc., in an additional amount not-to-exceed \$99,792, for the Adaptive Traffic Control System (ATCS) Project, PL-005.

### **BACKGROUND**

The City was awarded funding by Los Angeles County Metropolitan Transportation Authority (Metro) in the category of Signal Synchronization for an Adaptive Traffic Control System (Project) as part of the 2011 Metro Call for Projects competitive process. The Project includes upgrading the current central Traffic Control System (TCS) to an Adaptive Traffic Control System (ATCS), replacement of all existing Type 170 signal controllers with Type 2070 controllers (approximately 106 signalized intersections), installation of additional vehicle detectors in roadway, and upgrading of the communication network and equipment.

The Project will improve mobility and safety of the major arterial streets that run through the City by upgrading the current central TCS to ATCS. The ATCS will dynamically control all signalized

intersections in the City in real-time. Adaptive mode operations for arterial roadway network optimization will improve mobility at all times and directly benefit motorists, goods delivery, as well as transit providers and users. In addition, the ATCS will allow for more automated operations and enhanced overall performance of the traffic control system.

On September 19, 2016, the City Council approved the professional services agreement with McCain Inc. for the Adaptive Traffic Control System (ATCS) Project, PL-005 in an amount not-to-exceed \$2,016,885 (\$1,831,885 Base Cost with a 10% Contingency of \$185,000).

## **DISCUSSION**

McCain's original proposal assumed the existing traffic signal conflict monitor units (CMU) were to be modified to work with the new 2070 signal controllers. The CMU has three important tasks to perform:

- Display controller status
- Detect fault conditions
- Diagnose the cause of a traffic signal failure

Since the award of the original contact, staff has learned of a new generation of conflict monitor unit (CMU) that would enable staff to remotely access the CMU and download the event log in time of signal failure (flashing red). With the concurrent upgrade of the signal communication network system, staff recommends that all existing CMUs be replaced with the new 2010ECLip units to enhance traffic signal operation, maintenance and troubleshooting. The additional cost to provide and configure the 2010ECLip units is \$99,792.

To date the project is approximately 40% complete, with anticipated completion date of late 2018. Out of the original contingency authority of \$185,000, approximately \$65,481 is still remaining.

## **FISCAL ANALYSIS**

<b>Proposed Project Budget:</b>	<b>Amount</b>
Metro LA County Prop C (42380000.730100.PL005)	\$ 1,180,048
City's required match and additional contribution (42080000.730100.PL429)	\$ 200,000
<u>(42080000.730100.PL005)</u>	<u>\$ 1,000,000</u>
Total:	\$ 2,380,048

## **Estimated Expenditures:**

Function Description/ RFP Development	\$ 45,030
<i>ATCS Contract (McCain)</i>	<i>\$ 1,831,885</i>
Original contingency authority	\$ 185,000
<i>Proposed increase this amendment to agreement</i>	<i>\$ 99,792</i>

System Manager/Construction Management	\$ 160,420
<u>3rd Party Before and After Studies</u>	<u>\$ 35,000</u>
Total:	\$ 2,357,127

## **ATTACHMENTS**

None.

## **MOTION**

That the City Council:

1. Approve an amendment to the existing professional agreement with McCain Inc. in an additional amount not-to-exceed \$99,792 (in addition to the original \$185,000 contingency authority) for the Adaptive Traffic Control System (ATCS) Project, PL-005; and,
2. Authorize the City Attorney to review/prepare the necessary documents; and
3. Authorize the City Manager to execute such documents on behalf of the City.