 <p style="text-align: center;"><b>Council Communication</b> Office of the City Manager</p>	<b>Date:</b>	March 20, 2017
	<b>Agenda Item No.</b>	7
	<b>Roll Call No.</b>	<u>17-0460</u>
	<b>Communication No.</b>	<u>17-307</u>
	<b>Submitted by:</b>	<b>Pamela S. Cooksey, P.E., City Engineer</b>

**AGENDA HEADING:**

Approving and authorizing the execution of the Iowa Department of Transportation (IDOT) agreement for the Traffic Signal System Timings Update – Phase I.

**SYNOPSIS:**

Recommend approval of IDOT Agreement No. 2016-ICAAP-06 for \$140,000 in Iowa Clean Air Attainment Program (ICAAP) funding for the Traffic Signal System Timings Update – Phase I. The goal of the project is to increase efficiency of the traffic signal systems resulting in decreased travel times, reductions in traffic congestion, and ultimately the reduction of vehicle emissions. The project will also consider signal timing and phasing for pedestrian and bicycle traffic in support of the City’s efforts to provide a more walkable and bikeable transportation network.

**FISCAL IMPACT:**

Amount: \$175,000

Funding Source: Various funding sources as follows:

- \$140,000 Iowa Clean Air Attainment Program Funds
- \$35,000 2017-2018 Capital Improvement Program (CIP), Page Street Improvements-44, Traffic Signals, Channelization, and School Crossings, TR091, G.O. Bonds to be issued

**ADDITIONAL INFORMATION:**

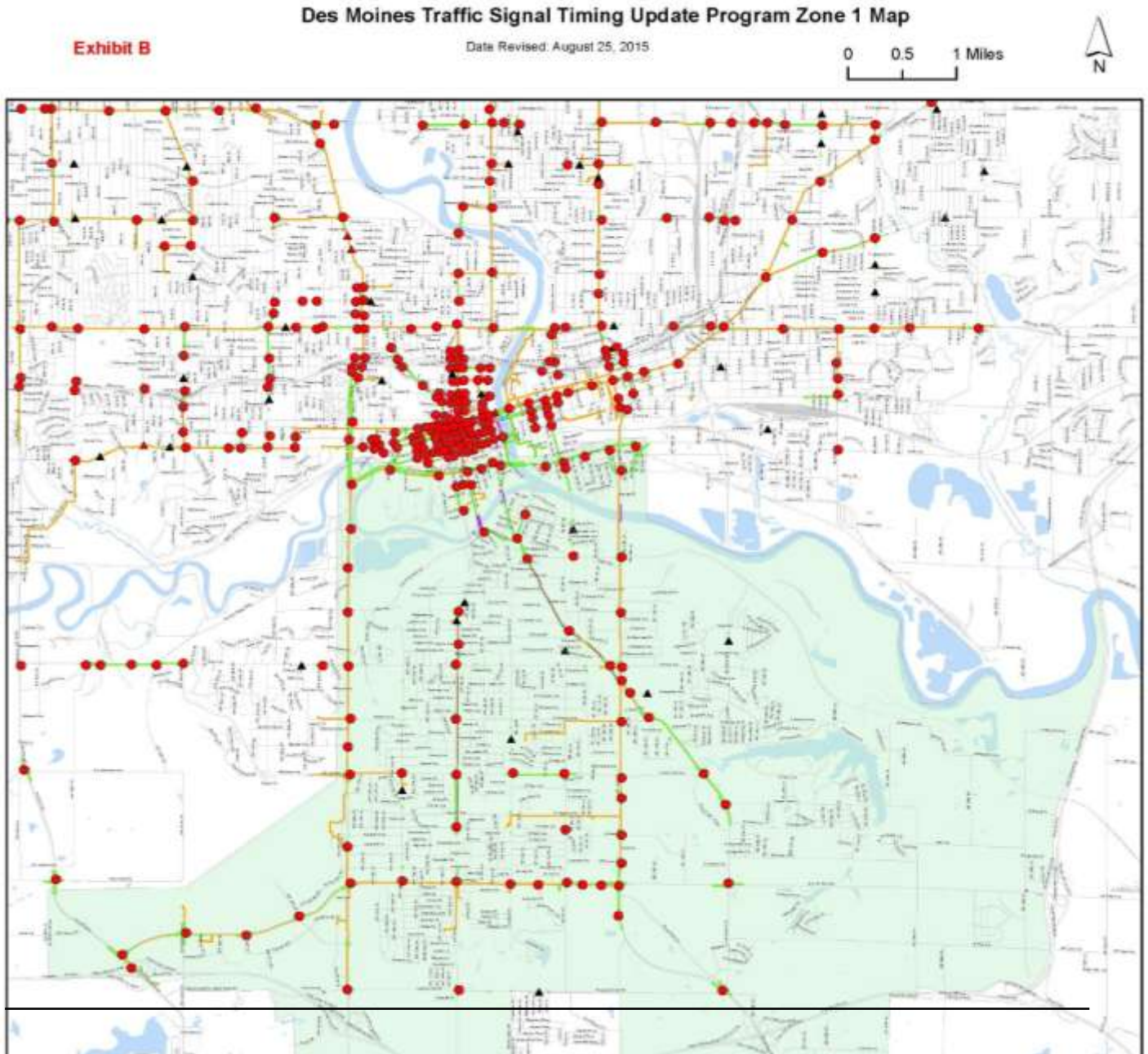
This project will be the first phase of a multi-phase effort to review and update the signal timing and phasing of the traffic signal systems in Des Moines. Refer to the attached map of the Phase 1 area. The goal of the project is to increase efficiency of the traffic signal systems resulting in decreased travel times, reductions in traffic congestion, and ultimately the reduction of vehicle emissions. The project will also consider signal timing and phasing for pedestrian and bicycle traffic in support of the City’s efforts to provide a more walkable and bikeable transportation network.

Phase 1 of the project includes 84 signalized intersections that generally include the following major corridors in Des Moines:

- Fleur Drive – Army Post Road to Martin Luther King Jr Parkway
- Martin Luther King Jr Parkway – Fleur Drive to East 15<sup>th</sup> Street
- Army Post Road – HWY 28 to East 14<sup>th</sup> Street
- SW 9<sup>th</sup> Avenue – Army Post Road to Bell Avenue

- Indianola Avenue – Easter Lake Drive to Indianola Road
- East 14<sup>th</sup> Street – Army Post Road to Martin Luther King Jr Parkway

The majority of the traffic signals in Des Moines are already interconnected and include communication to a central software system. The central software system will be used to help implement the new traffic signal timing and coordination plans as developed through this project.



**PREVIOUS COUNCIL ACTION(S):**

Date: September 28, 2015

Roll Call Number: [15-1590](#)

Action: [Authorize](#) the City Manager to submit an ICAAP funding application to the Des Moines Area Metropolitan Planning Organization (DMAMPO) for IDOT funding of Traffic Signal System Timings Update-Phase 1. ([Council Communication No. 15-507](#)) Moved by Hensley to adopt. Motion Carried 7-0.

**BOARD/COMMISSION ACTION(S): NONE**

**ANTICIPATED ACTIONS AND FUTURE COMMITMENTS: NONE**

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