

 <p style="text-align: center;">Council Communication Office of the City Manager</p>	Date:	May 5, 2014
	Agenda Item No.	8
	Roll Call No.	<u>14-0678</u>
	Communication No.	<u>14-203</u>
	Submitted by:	Jeb E. Brewer, P.E., City Engineer

AGENDA HEADING:

Approving and authorizing the execution of Iowa Department of Transportation (IDOT) Agreement for Pedestrian Crossing Signal Upgrades.

SYNOPSIS:

Recommend approval of IDOT Agreement No. 2015-TS-024 for \$150,000 in Traffic Safety Improvement Program funds for the Pedestrian Crossing Signal Upgrades.

FISCAL IMPACT:

Amount: \$190,000

Funding Source: Various funding sources as follows:

- \$150,000 – IDOT Traffic Safety Improvement Funds
- \$40,000 – 2014-2015 Capital Improvement Program (CIP), Page Street-40, Traffic Signals, Channelization, and School Crossings, TR091, G.O. Bonds

ADDITIONAL INFORMATION:

This project will allow the City of Des Moines Traffic and Transportation Division to upgrade 18 intersections to include enhanced pedestrian crossing features such as Accessible Pedestrian Signal (APS) push buttons and countdown pedestrian timers to improve pedestrian safety and circulation. The total project cost is \$190,000. The grant agreement provides up to \$150,000 in Traffic Safety Funds, which is the cost of the equipment and software. The cost of installation, including staff time, incidentals, grant administration, etc., is estimated to be \$40,000 and is included in the CIP.

The City of Des Moines has over 400 existing signalized intersections. A prioritization process had to be completed in order to upgrade the intersections of highest importance first. Members of the blind community in Des Moines have requested certain intersections along the complex corridors that are more difficult to cross be considered for APS installation.

These intersection corridors include the following:

1. The Martin Luther King Jr. Parkway Corridor connects I-235 on the north to S.E. 9th Street on the east/west segment of Martin Luther King Jr. Parkway. This corridor has a recreation trail and a considerable amount of pedestrian activity. Several members of the blind community who walk in this corridor have commented on how complex the intersections are to cross

within this corridor due to the wide median and large roadway cross section. The City proposes to upgrade the pedestrian crossing equipment to include APS and pedestrian countdown timers at 13 intersections along this corridor.

2. The Grand Avenue intersections of 28th Street/Grand Avenue and 42nd Street/Grand Avenue.
3. Ingersoll Avenue from 28th Street to 42nd Street will be upgraded to match Grand Avenue. These three (3) intersections already have countdown timers installed, so only APS will be installed to complete the Ingersoll Avenue corridor.

PREVIOUS COUNCIL ACTION(S):

Date: July 29, 2013

Roll Call Number: [13-1183](#)

Action: [Approving](#) FY2015 Traffic Safety Fund Applications to the Iowa Department of Transportation. ([Council Communication No. 13-402](#)) Moved by Hensley to adopt. Motion Carried 7-0.

1. East 46th Street and Hubbell Avenue Intersection Widening and Signalization.
2. Pedestrian Crossing Signal Upgrades – 15 intersections.
3. Traffic Signal Battery Backup Units – 30 intersections.

BOARD/COMMISSION ACTION(S): NONE

ANTICIPATED ACTIONS AND FUTURE COMMITMENTS:

Normal actions for award of the construction contract for the work.

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