 Council Communication Office of the City Manager	Date: July 25, 2016
	Agenda Item No. 6D Roll Call No. <u>16-1183</u> Communication No. <u>16-407</u> Submitted by: Pamela S. Cooksey, P.E., City Engineer

AGENDA HEADING:

Ordering construction of the following: City-wide Fixed Time Traffic Signal Upgrade - Phase 2 - Receiving bids, (8-16-16), and Setting date of hearing, (9-12-16). Construction Estimate - \$630,000.

SYNOPSIS:

Recommend the City Council proceed with construction of the improvement and set dates to receive bids and hold a public hearing, as required by Iowa Code, utilizing the method of financing referenced below. This project consists of upgrading the traffic signal operation at 25 existing intersections that currently operate as fixed time signals. The project includes the installation of vehicle detectors on the side streets and left-turning phases, along with adding pedestrian push buttons, thereby maximizing the amount of green time available for the major roadways.

FISCAL IMPACT:

Amount: \$630,000 City Engineer's Estimate

Funding Source: 2016-2017 CIP, Page Streets – 45, Traffic Signals, Channelization, and School Crossings, TR091, Being: \$480,000 in Iowa Clean Air Attainment Program (ICAAP) funds (\$480,000 maximum) being 80% of eligible construction costs under agreement STP-A-1945(823)--86-77; \$120,000 in Iowa DOT Traffic Safety Funds (Max \$120,000) under agreement CS-TSF-1945(831)—85-77; and the remaining \$30,000 in G. O. Bonds.

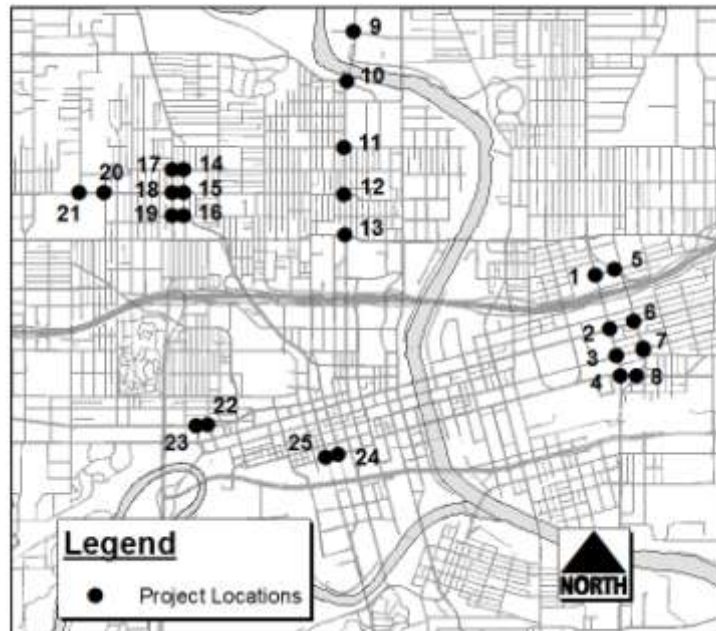
ADDITIONAL INFORMATION:

The Engineering Department has prepared plans, specifications, form of contract documents, and City Engineer's estimate for the construction of the City-wide Fixed Time Traffic Signal Upgrade - Phase 2, 04-2016-002. The improvement includes the upgrading of existing signals and installation of detectable warning panels at various locations; all in accordance with the contract documents, including Plan File Nos. 573-001/080, at the following locations within the City of Des Moines, Iowa:

- Forest Avenue at 27th Street
- Forest Avenue at 25th Street
- Martin Luther King Jr. Parkway at Clark Street
- 19th Street at Clark Avenue
- Martin Luther King Jr. Parkway at Forest Avenue
- 19th Street at Forest Avenue
- Martin Luther King Jr. Parkway at Carpenter Avenue

- 19th Street at Keosauqua Way
- Ingersoll Avenue at 18th Street
- Ingersoll Avenue at 17th Street
- 6th Avenue at Holcomb Avenue
- 6th Avenue at Hickman Road
- 6th Avenue at College Avenue
- 6th Avenue at Forest Avenue
- Cherry Street at 9th Street
- Cherry Street at 8th Street
- E. 14th Street at Walker Street
- E. 15th Street at Walker Street
- E. 14th Street at E. Grand Avenue
- E. 15th Street at E. Grand Avenue
- E. 14th Street at E. Walnut Street
- E. 15th Street at E. Walnut Street
- E. 14th Street at E. Court Avenue
- Johnson Court at E. Court Avenue
- 6th Avenue at University Avenue.

The estimated construction cost is \$630,000. The proposed plans, specifications, and form of contract documents are available for public inspection in the Des Moines City Engineer's Office.



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| 1. E. 14th St. and Walker St | 14. 19th St. and Carpenter Ave. |
| 2. E. 14th St. and Grand Ave. | 15. 19th St. and Forest Ave. |
| 3. E. 14th St. and Walnut St. | 16. 19th St. and Clark St. |
| 4. E. 14th St. and Court Ave. | 17. ML King and Carpenter Ave. |
| 5. E. 15th St. and Walker St | 18. ML King and Forest Ave. |
| 6. E. 15th St. and Grand Ave. | 19. ML King and Clark St. |
| 7. E. 15th St. and Walnut St. | 20. 25th St. and Forest Ave. |
| 8. E. 15th St. and Court Ave. | 21. 27th St. and Forest Ave. |
| 9. 6th Ave. and Holcomb Ave. | 22. 17th St. and Ingersoll Ave. |
| 10. 6th Ave. and Hickman Rd. | 23. 18th St. and Ingersoll Ave. |
| 11. 6th Ave. and College Ave. | 24. 8th St. and Cherry St. |
| 12. 6th Ave. and Forest Ave. | 25. 9th St. and Cherry St. |
| 13. 6th Ave and University Ave. | |

PREVIOUS COUNCIL ACTION(S):

Date: March 21, 2016

Roll Call Number: [16-0446](#)

Action: [Approving](#) the execution of Iowa Department of Transportation (IDOT) Agreement for Citywide Fixed-Time Traffic Signal Upgrade Project – Phase 2. ([Council Communication No. 16-154](#)) Moved by Gatto to adopt. Motion Carried 7-0.

BOARD/COMMISSION ACTION(S): NONE

ANTICIPATED ACTIONS AND FUTURE COMMITMENTS:

Anticipated actions include public hearing, receive and file bids, designate lowest bidder, and approve contract and bond; also partial payments to the contractor and final acceptance of work.

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