

 <p style="text-align: center;">Council Communication Office of the City Manager</p>	Date: May 24, 2010
	Agenda Item No. 7C Roll Call No. <u>10-783</u> Communication No. <u>10-293</u> Submitted by: Jeb E. Brewer, P.E. City Engineer

AGENDA HEADING:

Ordering construction of the following: Merle Hay Road Traffic Signal Interconnect - Receiving bids, (6-15-10), and Setting date of hearing, (7-12-10). (Construction Estimate - \$550,000).

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. The project consists of installing conduit and fiber optic cable on Iowa 28 (Merle Hay Rd., Hickman Rd., and 63rd Street) between I-35/80 and University Avenue, in order to provide improved communications with the existing traffic signals along this corridor.

FISCAL IMPACT:

Amount: \$550,000 City Engineer's Estimate

Funding Source: 2010-2011 CIP, Page Street-13, City-wide Traffic Signal Interconnection, STR097, Being: \$349,106 in ICAAP Funding (max 80% of eligible items) plus an additional \$15,000 for the portion of the project outside the City of Des Moines Corporation limits from the Iowa Department of Transportation (IDOT), \$23,000 from the City of Urbandale, \$162,894 in City of Des Moines G. O. Bonds from STR097.

ADDITIONAL INFORMATION:

On April 12, 2010, under Roll Call No.10-487, the City Council approved Iowa Department of Transportation Agreement No. 2010-ICAAP-0003, for Iowa Clean Air Attainment Program (ICAAP) funds, for the Iowa 28 (Merle Hay Road, Hickman Road, and 63rd Street) and Douglas Avenue Traffic Signal Interconnect Improvements for upgrading the existing traffic signal interconnect system, and under Roll Call no. 10-488 approved the 28E agreement with the City of Urbandale for a portion of the project construction funding and future traffic signal maintenance. The improvement includes upgrading the existing traffic signal interconnect system on Iowa 28 (Merle Hay Road, Hickman Road, and 63rd Street) between the I-80/35 interchange and University Avenue, and along Douglas Avenue between Merle Hay Road and the west city limits. The project involves installing fiber optic cable within existing and new conduit systems, and interconnecting the traffic signals along this corridor with fiber optic cable. Minor modifications to the traffic signal equipment will be required at each signalized intersection. Traffic observation cameras will also be included for traffic flow monitoring. This project helps manage traffic flow and congestion along this arterial corridor.

A portion of the project along Merle Hay Road is within the area where the City of Des Moines and the City of Urbandale share a joint corporation boundary. The 28E Agreement with the City of Urbandale states that the local portion of the project construction costs within the joint boundary area are equally shared between the two communities, and also identifies future on-going responsibilities for traffic signal operation and maintenance for the Merle Hay intersections with Aurora Avenue, Meredith Drive, and Sutton Place, which all share the joint corporation boundary.

The Engineering Department has prepared plans, specifications, form of contract documents, and City Engineer's estimate for the construction of the Merle Hay Road Traffic Signal Interconnect, 04-2010-012. The improvement includes installing and upgrading traffic signal interconnect system along Merle Hay Road, Douglas Avenue, Hickman Road and 63rd Street, in accordance with the contract documents including Plan File Nos. 517-122/144, in Des Moines, Iowa.

The estimated construction cost is \$550,000. The proposed plans, specifications, and form of contract documents are available for public inspection in the City Engineer's Office.

PREVIOUS COUNCIL ACTION(S):

Date: April 12, 2010

Roll Call Number: [10-487](#)

Action: Approving items regarding Iowa 28 (Merle Hay Road, Hickman Road and 63rd Street) and Douglas Avenue Traffic Signal Interconnect Improvements: ([Council Communication No. 10-188](#))

- (A) [Iowa](#) Department of Transportation (IDOT) Agreement No. 2010-ICAAP-0003, \$364,106. Moved by Coleman to adopt. Motion Carried 7-0.

Date: April 12, 2010

Roll Call Number: [10-488](#)

Action: Approving items regarding Iowa 28 (Merle Hay Road, Hickman Road and 63rd Street) and Douglas Avenue Traffic Signal Interconnect Improvements: ([Council Communication No. 10-188](#))

- (B) [28E](#) Agreement with City of Urbandale for construction funding and future traffic signal maintenance, \$23,000. Moved by Coleman 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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