

 <p style="text-align: center;"><b>Council Communication</b> Office of the City Manager</p>	<b>Date:</b> July 12, 2010
	<b>Agenda Item No.</b> 37 <b>Roll Call No.</b> <u>10-1158</u> <b>Communication No.</b> <u>10-429</u> <b>Submitted by:</b> <b>Jeb E. Brewer, P.E.</b> <b>City Engineer</b>

**AGENDA HEADING:**

Hearing on Merle Hay Road Traffic Signal Interconnect: Resolution approving plans, specifications, form of contract documents, engineer’s estimate, receive and file bids and designating lowest responsible bidder as Iowa Signal Inc., Wayne Lesley, President, 7840 University Blvd., Clive, IA 50325, \$568,240.22.

**SYNOPSIS:**

This is a public hearing to allow for public input on the Merle Hay Road Traffic Signal Interconnect and take the necessary actions as required by Iowa Code to authorize a contract for construction of the proposed project. The project consists of installing conduit and fiberoptic cable on Iowa 28 (Merle Hay Road, Hickman Road 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: \$568,240.22 Construction Contract (\$550,000 City Engineer's Estimate)

Funding Source: 2010-2011 CIP, Page Street-13, City-wide Traffic Signal Interconnection, STR097, Being: \$349,106 in Iowa Clean Air Attainment Program (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, \$181,134.22 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 IDOT Agreement No. 2010-ICAAP-0003, for 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 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.

On May 24, 2010, under Roll Call No. 10-783, the City Council received and filed plans, specifications, form of contract documents and City Engineer's estimate for the construction of the Merle Hay Road Traffic Signal Interconnect. Before the City Council can enter into a contract, it must hold a public hearing and approve the proposed plans, specifications and form of contract documents and engineer's estimate for the construction of the Merle Hay Road Traffic Signal Interconnect, 04-2010-012. The improvement includes installing and upgrading the 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.

Sealed bids for said improvement were submitted by the following bidders:

Iowa Signal Inc., Clive, IA  
KWS, Inc., Cedar Falls, IA

The bids, in accordance with a previously approved IDOT Agreement, were received and opened by the IDOT on June 15, 2010.

The City Engineer has determined that the lowest responsive, responsible bid for the construction of said improvement was submitted by Iowa Signal Inc. in the amount of \$568,240.22, and said bid should be accepted. The Finance Director has determined that funds are available for said improvement, as stated above.

#### **PREVIOUS COUNCIL ACTION(S):**

Date: May 24, 2010

Roll Call Number: [10-783](#)

Action: Ordering construction of the following: [Merle](#) Hay Road Traffic Signal Interconnect: Receiving of bids, (6-15-10), Setting date of hearing, (7-12-10). (Construction Estimate - \$550,000). ([Council Communication No. 10-293](#)) Moved by Moore to adopt. Motion Carried 7-0.

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.

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

**ANTICIPATED ACTIONS AND FUTURE COMMITMENTS:**

Partial payments to the contractor and final acceptance of work.

For more information on this and other agenda items, please call the City Clerk's Office at 515-283-4209 or visit the Clerk's Office on the second floor of City Hall, 400 Robert D. Ray Drive. Council agendas are available to the public at the City Clerk's Office on Thursday afternoon preceding Monday's Council meeting. Citizens can also request to receive meeting notices and agendas by email by calling the Clerk's Office or sending their request via email to [cityclerk@dmgov.org](mailto:cityclerk@dmgov.org).