



# Council Communication

Office of the City Manager

Date April 12, 2010

Agenda Item No. 8  
Roll Call No. 10-  
Communication No. 10-188  
Submitted by: **Jeb E. Brewer, P.E.**  
City Engineer

## AGENDA HEADING:

Approving and authorizing (A) the execution of Iowa Department of Transportation (IDOT) Agreement No. 2010-ICAAP-0003 for Iowa 28 (Merle Hay Road, Hickman Road, and 63<sup>rd</sup> Street) and Douglas Avenue Traffic Signal Interconnect Improvements, and (B) a separate 28E agreement with the City of Urbandale for a portion of the project construction funding and future traffic signal maintenance.

## SYNOPSIS:

Recommend approval of (A) the 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 63<sup>rd</sup> Street) and Douglas Avenue Traffic Signal Interconnect Improvements for upgrading the existing traffic signal interconnect system, and (B) the 28E agreement with the City of Urbandale for a portion of the project construction funding and future traffic signal maintenance.

## FISCAL IMPACT:

Amount: The total estimated project cost is \$610,000. IDOT has approved \$349,106 of ICAAP Funding for this improvement, along with an additional \$15,000 contribution for the portion of the project that is outside the City of Des Moines Corporation limits. The City of Urbandale will contribute approximately \$23,000 toward construction. The City of Des Moines' estimated cost is \$222,894.

Funding Source: 2010-2011 Capital Improvements Program, Citywide Traffic Signal Interconnection, Page Street-13, STR097, Activity ID 04-2010-012.

## ADDITIONAL INFORMATION:

The proposed improvement consists of upgrading the existing traffic signal interconnect system on Iowa 28 (Merle Hay Road, Hickman Road, and 63<sup>rd</sup> 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 proposed 28E agreement with the City of Urbandale identifies that the local portion of the project construction costs within the joint boundary area

are equally shared between the two communities. It 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. These responsibilities are generally, what has been provided in past years, but there has not been a written agreement between the two cities covering these responsibilities. The proposed 28E agreement was approved by the City of Urbandale at their March 23, 2010 City Council meeting.

**PREVIOUS COUNCIL ACTION(S):**

Date: September 11, 2006

Roll Call No: 06-1743

Action: Ratiofying and confirming submission of Iowa Clean Air Attainment Program (ICAAP) Fund Applications to the Iowa Department of Transportation for the E. 14<sup>th</sup> Street Widening at Hull Avenue, (\$750,000) and the Merle Hay Road Traffic Signal Interconnect Upgrading, (\$440,000). (Council Communication No. 06-560) Moved by Vlassis to adopt. Motion Carried 6-0.

**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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