



Council Communication

Office of the City Manager

Date

July 28, 2008

Agenda Item No. 33

Roll Call No. 08-

Communication No. 08-426

Submitted by: William G. Stowe, Assistant City
Manager/Public Works/Engineering

AGENDA HEADING:

Agreement with Center for Transportation Research and Education for Pavement Condition Data Collection

SYNOPSIS:

Recommend approval of an agreement with the Center for Transportation Research and Education for Pavement Condition Data Collection.

Beginning in 2001, the City of Des Moines contracted with the Iowa State University Center for Transportation Research and Education (CRTE) for pavement condition data collection. That agreement was renewed in 2003, 2005, and 2007. The Iowa Department of Transportation (IDOT) and many Iowa counties and cities participate in this biannual update. To facilitate a more accurate and timely assessment of our pavement conditions, thereby enabling the best use of our maintenance funding, the pavement condition data will begin to be collected annually. A new agreement for 2008 for the City of Des Moines, including data collection by Roadware, Inc. and CTRE management services, is now being recommended for approval.

FISCAL IMPACT:

Amount: \$72,500

Funding Source: 2008-2009 Operating Budget, Fund SP360, Org PWK040400, Street Maintenance Fund, page 314.

ADDITIONAL INFORMATION:

The City of Des Moines' Pavement Management System is a computerized application used in the Public Works Department to help manage the City's street maintenance program. This agreement with CTRE for pavement data collection and Geographic Information (GIS) processing will be updating the street condition data used in the City's Pavement Management System. In short, the statistical information gathered confirms visual feedback concerning the conditions of the street infrastructure. The data is also used to plan future paving programs based on prevailing street conditions.

As part of the Iowa Pavement Management Program (IPMP), pavement distress data is collected every two years on all federal aid routes in Des Moines (about 190 miles) at no cost to the City. It benefits the City of Des Moines to have CTRE collect and process pavement condition information on the remaining paved streets at the same time. Several surrounding communities, including West Des Moines and

Ankeny, also contract with CTRE to have their pavement data collected. To facilitate timelier pavement information, it is recommended that the data be collected annually in lieu of biannually. Two data collection trucks will be in the Des Moines area for approximately a month driving streets and collecting data. The 2008 survey will include the estimated 600 centerline miles of City streets plus approximately 190 miles of federal aid routes.

CTRE staff provides training on the IPMP pavement management software and on the IPMP GIS tools and database. CTRE is also available at any time for questions and to help with the system.

The City of Des Moines' Pavement Management System enables staff to access inventory, history data, and pavement condition information required to select streets for upcoming maintenance programs.

PREVIOUS COUNCIL ACTION(S):

Date: June 18, 2007

Roll Call Number: 07-1190

Action: Exception to procurement ordinance competitive bidding requirements for good cause and approving agreement with Center for Transportation Research and Education for Pavement Condition Data Collection (CTRE) for services related to updating the City's system. (Council Communication No. 07-351) Moved by Coleman to adopt. Motion Carried 6-1.

Date: August 8, 2005

Roll Call Number: 05-1920

Action: Agreement with Iowa State University Center for Transportation Research and Education (CTRE) for Iowa Pavement Management Program (IPMP) Data Collection and Geographic Information System (GIS) Database, not to exceed \$40,000. (Council Communication No. 05-429) Moved by Brooks to adopt. Motion Carried 7-0.

Date: July 14, 2003

Roll Call Number: 03-1614

Action: Payment to The Center for Transportation Research and Education (CTRE) for services related to updating the City's Pavement Management System, not to exceed \$47,500. (Council Communication No. 03-322). Moved by Hensley to adopt. Motion Carried 7-0.

Date: May 21, 2001

Roll Call Number: 01-1489

Action: Approving Iowa State University Center for Transportation Research and Education (CTRE) Agreement for Iowa Pavement Management Program (IPMP) Data Collection and GIS Database Development, not to exceed \$55,000. (Council Communication No. 01-275). Moved by Hensley to adopt. Motion Carried 4-3.

BOARD/COMMISSION ACTION(S): NONE

ANTICIPATED ACTIONS AND FUTURE COMMITMENTS:

Approval of future contracts to collect pavement condition data.

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