



# Council Communication

Office of the City Manager

<b>Date</b>	June 18, 2007
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<b>Agenda Item No.</b>	<u>50</u>
<b>Roll Call No.</b>	<u>07-</u>
<b>Communication No.</b>	<u>07-351</u>
<b>Submitted by: William G. Stowe, Assistant City Manager/Public Works/Engineering</b>	

## AGENDA HEADING:

Agreement with Iowa State University Center for Transportation Research and Education (CTRE) for Pavement Condition Data Collection

## SYNOPSIS:

Beginning in 2001, the City of Des Moines contracted with the CTRE for pavement condition data collection. That agreement was renewed in 2003 and 2005. The Iowa Department of Transportation (IDOT) and many Iowa counties and cities participate in this biannual update. A new agreement for 2007 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: \$51,100

Funding Source: 2007-2008 Operating Budget, Fund SP360, Org PWK040400, Street Maintenance Fund, page 323.

## 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 will confirm visual feedback that street conditions are improving due to increased funding. The data is also used to plan future paving programs based on prevailing street conditions.

As part of 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. Two data collection trucks will be in the Des Moines metro area for an entire month driving streets and collecting data.

In 2005, the contract between CTRE and the City estimated 500 centerline miles of streets to be surveyed. The resulting data was produced for 582 centerline miles of streets. The 2007 contract

estimates 600 centerline miles of streets to be surveyed. The cost per centerline mile of survey was \$65 in 2005 and is \$70 in 2007.

CTRE staff provides training on the IPMP pavement management software and on the IPMP and GIS tools and databases. CTRE is also available at any time for questions and 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: 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: NONE**