COUNCIL COMMUNICATION
City Manager's Office

GENERAL INFORMATION

Agenda Date: 08/08/05   Communication No.: 05-429

Agenda Item Type: Resolution   Roll Call No.:

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

SUBJECT—

Center for Transportation Research and Education (CTRE) Agreement for Iowa Pavement Management Program (IPMP) Data Collection and Geographic Information System (GIS) Database

SYNOPSIS—

On July 14, 2003, by Roll Call No. 03-1614, the City Council approved an agreement between the Iowa State University CTRE and the City of Des Moines for pavement condition data collection, pavement video log data collection, and GIS database development as part of the IPMP. The Iowa Department of Transportation (IDOT) and many Iowa counties and cities participate in this updating program. A new agreement for the biannual update for the City of Des Moines, including data collection by Roadware, Inc. and CTRE management services, is now being presented.

FISCAL IMPACT—

The cost of this program is not to exceed $40,000. Funding is currently available in the Public Works Department's Street Maintenance Operating Budget.

RECOMMENDATION—

Approval.

BACKGROUND—

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 GIS processing will be updating the street condition data used in the City's Pavement Management System.

As part of 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 the 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 the 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.

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 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.