



Council Communication

Office of the City Manager

Date

September 11, 2006

Agenda Item No. 49

Roll Call No. 06-

Communication No. 06-579

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

AGENDA HEADING:

Automatic Vehicle Location System for Central Iowa Automatic Vehicle Location (CIAVL) Coalition

SYNOPSIS:

The Public Works Department recommends the purchase of 49 AVL tracking modems with discrete inputs, serial interface, and program management and database at \$984 per unit for a total cost of \$48,216 from Thomtech Design, Inc. (Gregory E. Thompson, President, 3830 Rustic Place, St. Paul, MN 55126).

The AVL system will be utilized to track equipment and fleet vehicles for maintenance, construction, and emergency operations. The CIAVL Coalition anticipates that the AVL system will provide the following benefits to the agencies: 1) improved safety, 2) enhanced fleet/incident management, 3) route optimization, 4) improved dispatching capabilities, 5) improved data collection and reporting, and 6) enhanced material management.

FISCAL IMPACT:

Amount: \$48,216

Funding Source:

Various sources being:

FY 07 Operating Budget, SP360 PWK040400, Street Maintenance, page 303 (\$16,728)

FY 07 Operating Budget, EN101 PWK071000, Sanitary Sewer Maintenance, page 241 (\$15,744)

FY 07 Operating Budget, EN301 PWK071600, Storm Sewer Maintenance, page 269 and EN151 PWK100101 Solid Waste, page 258 (\$15,744)

ADDITIONAL INFORMATION:

In January 2005, the City of Des Moines Public Works Department, the Polk County Public Works Department, the City of West Des Moines Public Works Department, the City of Clive Public Works Department, the Dallas County Engineer's Office, the West Des Moines Community School District, and the Des Moines Community School District formed the CIAVL Coalition to develop an automatic vehicle location system for the Polk, Dallas, and Warren County area. The purpose of the Coalition is to implement a system that would reduce the startup and maintenance costs for each agency, eliminate duplicated AVL systems, and create seamless communication between every participating agency during emergency response situations.

On May 2, 2005, the City Council approved a joint resolution between the City of Des Moines and Polk County authorizing execution of a Joint Public Service 28E Agreement. This 28E Agreement provided for the development of a RFP for group management and purchasing of AVL/GPS equipment as well as other ways in which the City and County could cooperate to mutual advantage.

On August 26, 2005, the CIAVL Coalition issued an RFP through the Polk County Department of General Services to provide an AVL system utilizing GPS technology to meet the data collection requirements specified in the RFP. The RFP was sent to 12 companies with four companies submitting proposals. Thomtech Design, Inc. of St. Paul, Minnesota met all the requirements of the RFP and provided unit costs that each agency can utilize. The Polk County Board of Supervisors approved the RFP from Thomtech Design, Inc. on May 30, 2006.

On May 9, 2006, the CIAVL Coalition gave a presentation to the Metropolitan Advisory Council to inform the various agencies of AVL/GPS system development and the results of the RFP.

The RFP allows each of the participating agencies to contract directly with Thomtech Design for its AVL system.

PREVIOUS COUNCIL ACTION(S):

Date: May 2, 2005

Roll Call Number: 05-1086

Action: Resolution approving the final report and the joint 28E public service agreement for the sharing of specialized equipment. Moved by Kiernan to adopt. Motion Carried 7-0.

BOARD/COMMISSION ACTION(S): NONE

Date:

Roll Call Number:

Action:

ANTICIPATED ACTIONS AND FUTURE COMMITMENTS:

Requests for an additional 50 AVL/GPS units will be made in 2007 and again in 2008 to complete the outfitting of Public Works vehicles used in snow and ice control operations, street maintenance operations, solid waste and street cleaning operations, and sewer maintenance operations. Thomtech Designs has guaranteed their prices for the three years covering these purchases.