

 <p style="text-align: center;">Council Communication Office of the City Manager</p>	Date: May 23, 2016
	Agenda Item No. 37 Roll Call No. [_____] Communication No. <u>16-272</u> Submitted by: John Newman, CIO, Information Technology Department

AGENDA HEADING:

Approving exception to competitive procurement process for good cause shown and accepting proposal from Olsson Associates to provide fiber network data conversion consulting services and fiber management system training and authorizing Chief Information Officer to execute agreement for same services.

SYNOPSIS:

NetDesigner is the information system used by Iowa Communication Network (ICN) for managing the MetroNet fiber optic network, which is jointly owned by the City of Des Moines, ICN, and the Des Moines Public School (DMPS) District. On March 21, 2016 the City Council approved the purchase of NetDesigner software from Enghouse Networks Limited. The software purchase was the first step to developing a management system for the MetroNet fiber optic network.

Next, the City needs to convert the existing MetroNet maps and network information into the NetDesigner fiber management database hosted by ICN. The City requires a contractor with specific knowledge of NetDesigner and experience working with ICN to do the data conversion efficiently and accurately and provide NetDesigner training for City staff. Olsson Associates, 601 P Street, Suite 200, Lincoln, NE 68508-2303, has such experience. Because of its ongoing work in ICN’s NetDesigner fiber management system, Olsson Associates is uniquely qualified to fulfill the City’s need for data conversion and training.

FISCAL IMPACT:

Amount: \$151,490

Funding Source: CIP FY2016/17-2021/22, MS015, C051EG99, Miscellaneous Improvements City Fiber Network, page 4

ADDITIONAL INFORMATION:

- The City’s communication system including phones, emergency dispatch, traffic signals, and computer data systems depend on a City-wide fiber optic network that traverses City right-of-way and connects City buildings.
- The City has been able to install the necessary fiber optic infrastructure to maintain effective communications through a cost-sharing agreement with ICN and DMPS called “MetroNet.”

The City, ICN, and DMPS all utilize the MetroNet fiber optic infrastructure, and management of the network is closely coordinated among the parties.

- ICN has acquired the NetDesigner system for the mapping and management of its networks including MetroNet. The City requires this software purchase in order to connect to ICN's NetDesigner system and seamlessly manage the MetroNet and other City-owned fiber optic assets.
- The City requires engineering consulting services to populate the NetDesigner system with maps and information about the fiber optic network. City staff recommends Olsson Associates to provide the necessary fiber optic data conversion services and NetDesigner training.
- When fully implemented, the NetDesigner system will provide a way for City Information Technology and Engineering staff to make timely decisions about the communications network in case of an emergency outage, for example, and to more effectively coordinate changes to the MetroNet with ICN and DMPS.
- This action supports the GuideDSM goal of "Upgraded City Infrastructure and Buildings."

PREVIOUS COUNCIL ACTION(S):

Date: March 21, 2016

Roll Call Number: [16-0483](#)

Action: Bids from the following:

- (D) [Enghouse](#) Networks Limited (Stephen Sadler, CEO) for fiber optic network management for use by the IT Department, \$31,200. ([Council Communication No. 16-137](#)) Moved by Gatto to adopt. Motion Carried 7-0.

BOARD/COMMISSION ACTION(S): NONE

ANTICIPATED ACTIONS AND FUTURE COMMITMENTS: NONE

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