



**Council  
Communication**  
Office of the City Manager

**Date**

June 5, 2006

**Agenda Item No.** 40A

**Roll Call No.** 06-

**Communication No.** 06-317

**Submitted by:** Debra E. Christopher, Chief  
Information Officer

**AGENDA HEADING:**

Approving state contract purchase of Cisco Systems network equipment for a comprehensive network upgrade for the fiber and wireless network infrastructure, \$436,000.

**SYNOPSIS:**

Recommend approval to purchase Cisco Systems network equipment through State of Iowa Contract. This equipment is associated with a three-phased project to ensure the security, reliability, and comprehensive network monitoring of the City of Des Moines (CDM) fiber and wireless network infrastructure.

- Phase I will establish core network redundancy, increase security, establish additional firewalls, and fully implement network monitoring software.
- Phase II will provide denial of service protection, increased network filtering, and will limit intrusion.
- Phase III will provide wireless network security, extranet security, and further deployment of dynamic IP management.

**FISCAL IMPACT:**

Amount: \$436,000

Funding Source: 2005-06 CIP, Page Municipal Improvements – 9, CP034, IFT990000, Enhanced City-wide Information and Communication Systems, G. O. Bonds. This project will replace the following: Cisco Equipment Backbone Upgrade \$176,000 and Software; Reprogram Document Management – Phase I - \$260,000.

**ADDITIONAL INFORMATION:**

The Information Technology Department has prepared a three-phased plan and associated projected costs for the upgrade of the City's fiber and wireless network components. The improvements will establish

network redundancy, broaden security, increase automated network management functions, and ensure overall reliability of the network.

This action approves the purchase of Cisco Systems network equipment in the amount of \$436,000 per State of Iowa Contract CT2708X 5. The network upgrade equipment list is included in the Council packet. The total projected project cost is \$676,000. Another item on the Council Agenda for June 5, 2006 recommends the purchase of related network engineering services (labor) in the amount of \$240,000.

**PREVIOUS COUNCIL ACTION(S): NONE**

Date:

Roll Call Number:

Action:

**BOARD/COMMISSION ACTION(S): NONE**

Date:

Roll Call Number:

Action:

**ANTICIPATED ACTIONS AND FUTURE COMMITMENTS:**

Approval of related action on June 5, 2006 Council agenda for purchase of Alexander Open Systems network engineering services.