

Date June 12, 2006

APPROVING STATE CONTRACT PURCHASE OF CISCO SYSTEMS NETWORK EQUIPMENT FOR A COMPREHENSIVE NETWORK UPGRADE FOR THE FIBER AND WIRELESS NETWORK INFRASTRUCTURE

WHEREAS, the City of Des Moines has received an independent assessment of the stability and security of the fiber and wireless network infrastructure; and

WHEREAS, the independent assessment revealed the need for a comprehensive network upgrade to ensure the security, reliability, and comprehensive network monitoring of network infrastructure; and

WHEREAS, CISCO Systems network equipment is available per State of Iowa Contract CT2708X 5; and

WHEREAS, Municipal Code section 2-726(c) provides for the purchase of goods and/or services from contracts established by the State of Iowa Department of General Services, the Iowa Department of Transportation, or the Iowa Communications Network pursuant to procedures established by chapter 18 Code of Iowa and rules and regulations promulgated thereunder, without conforming to the competitive bidding requirements of the Purchasing Division; and

WHEREAS, funding is available from the 2005-06 CIP, Page Municipal Improvement – 9, CP034, IFT990000, Enhanced City-wide Information and Communications Systems; and

WHEREAS, the Chief Information Officer recommends approval of the purchase of network equipment from State Contract CT2708x 5,

NOW THEREFORE BE IT RESOLVED, that the Des Moines City Council hereby approves the State contract purchase of CISCO Systems network equipment at a total cost of \$436,000.

(Council Communication No. 06-317)

Moved by _____ to adopt

Approved as to Form:

Ann DiDonato
Ann DiDonato, Assistant City Attorney

COUNCIL ACTION	YEAS	NAYS	PASS	ABSENT
COWNIE				
COLEMAN				
KIERNAN				
HENSLEY				
MAHAFFEY				
BROOKS				
VLASSIS				
TOTAL				
MOTION CARRIED	APPROVED			

CERTIFICATE

I, DIANE RAUH, City Clerk of said City hereby certify that at a meeting of the City Council of said City of Des Moines, held on the above date, among other proceedings the above was adopted.

IN WITNESS WHEREOF, I have hereunto set my hand and affixed my seal the day and year first above written.

_____ Mayor

_____ City Clerk



**Council
Communication**
Office of the City Manager

Date	June 5, 2006	3A
Agenda Item No.	40A	
Roll Call No.	06-1114	
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,

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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.

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Description: City of Des Moines - Network Upgrade Cost	Manufacturer: Part #:	Qty:	Unit Price:	Ext Price:
30 Day (OPTIONAL)				
Supervisor Engines for Catalyst 6500's				
Catalyst 6500/Cisco 7600 Supervisor 720 Fabric MSFC3 PFC3B	Cisco WS-SUP720-3B=	15	\$ 16,240.00	\$ 243,600.00
Bootflash for SUP720 - 64MB-SP	Cisco BF-S720-64MB-SP	15	\$ -	\$ -
Bootflash for SUP720-64MB-RP	Cisco BF-S720-64MB-RP	15	\$ -	\$ -
Cisco CAT6000-SUP720 IOS IP w/SSH/3DES	Cisco S73ZK9-12217SXB	15	\$ -	\$ -
Catalyst 6500 512MB DRAM on the Supervisor (SUP2 or SUP720)	Cisco MEM-S2-512MB	15	\$ -	\$ -
Catalyst 6500 512MB DRAM on the MSFC2 or SUP720 MSFC3	Cisco MEM-MSFC2-512MB	15	\$ -	\$ -
Fan Trays for Catalyst 6500's				
Catalyst 6509 High Speed Fan Tray	Cisco WS-C6K-9SLOT-FAN2=	10	\$ 287.10	\$ 2,871.00
4000W Power Supplies for Catalyst 6500's				
4000Watt AC Power Supply for US (cable attached)	Cisco WS-CAC-4000W-US	14	\$ 2,900.00	\$ 40,600.00
Cisco ASA 5520's				
ASA 5520 Appliance w/ AIP-SSM-20, SW, HA, 4GE+1FE, 3DES/AES Power Cord,110V	Cisco ASA5520-AIP20-K9	2	\$ 9,277.10	\$ 18,554.20
ASA 5500 Series Software v7.1	Cisco CAB-AC	2	\$ -	\$ -
ASA 5500 Series AIP Software 5.0 for Security Service Module	Cisco SF-ASA-7.1-K8	2	\$ -	\$ -
Cisco VPN Client Software (Windows, Solaris, Linux, Mac)	Cisco SF-ASA-AIP-5.0-K9	2	\$ -	\$ -
ASA 5520 VPN Plus 750 Peer License	Cisco ASA-VPN-CLNT-K9	2	\$ -	\$ -
ASA 5500 Strong Encryption License (3DES/AES)	Cisco ASA5520-VPN-PL	2	\$ -	\$ -
VMS 5 Device Basic License	Cisco ASA5500-ENCR-K9	2	\$ -	\$ -
IPS SVC, AR NBD ASA5520 w AIP-SSM-20, 4GE+1FE, 3DES/AES	Cisco ASA-AIP-20-INC-K9	2	\$ -	\$ -
IPS SVC, AR NBD AIP SSM-20 included in ASA systems	Cisco CWVMS-2.3-WINB-K9	2	\$ -	\$ -
	Cisco CON-SU1-AS2A20K9	2	\$ 2,311.15	\$ 4,622.30
	Cisco CON-SU1-ASAINC20	2	\$ -	\$ -
Subtotal:				\$ 310,247.50

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Description: City of Des Moines - Network Upgrade Cost

	Manufacturer: Part #:	Qty:	Unit Price:	Ext Price:
60 Day (OPTIONAL)				
Cisco ASA 5520's				
ASA 5520 Appliance w/ AIP-SSM-20, SW, HA, 4GE+1FE, 3DES/AES Power Cord,110W	Cisco ASA5520-AIP20-K9	2	\$ 9,277.10	\$ 18,554.20
ASA 5500 Series Software v7.1	Cisco CAB-AC	2	\$ -	\$ -
ASA 5500 Series AIP Software 5.0 for Security Service Module	Cisco SF-ASA-7.1-K8	2	\$ -	\$ -
Cisco VPN Client Software (Windows, Solaris, Linux, Mac)	Cisco SF-ASA-AIP-5.0-K9	2	\$ -	\$ -
ASA 5520 VPN Plus 750 Peer License	Cisco ASA-VPN-CLNT-K9	2	\$ -	\$ -
ASA 5500 Strong Encryption License (3DES/AES)	Cisco ASA5520-VPN-PL	2	\$ -	\$ -
ASA 5500 AIP Security Services Module-20 included w/ bundles	Cisco ASA5500-ENCR-K9	2	\$ -	\$ -
VMS 5 Device Basic License	Cisco ASA-AIP-20-INC-K9	2	\$ -	\$ -
IPS SVC, AR NBD ASA5520 w AIP-SSM-20, 4GE+1FE, 3DES/AES	Cisco CWVMS-2.3-WINB-K9	2	\$ -	\$ -
IPS SVC, AR NBD AIP SSM-20 included in ASA systems	Cisco CON-SU1-AS2A20K9	2	\$ 2,311.15	\$ 4,622.30
	Cisco CON-SU1-ASAINC20	2	\$ -	\$ -
Catalyst 6509 (Core Server Distribution Layer)				
Catalyst 6500 Enhanced 9-slot chassis,15RU,no PS,no Fan Tray	Cisco WS-C6509-E	2	\$ 5,510.00	\$ 11,020.00
Cisco CAT6000-SUP720 IOS IP SERVICES (MODULAR)	Cisco S733ISM-12Z18SXF	2	\$ -	\$ -
Catalyst 6500 / Cisco 7600 Supervisor 720 Fabric MSFC3 PFC3B	Cisco WS-SUP720-3B	4	\$ 16,240.00	\$ 64,960.00
Catalyst 6509-E Chassis Fan Tray	Cisco MEM-C6K-CPTFL512M	4	\$ 577.10	\$ 2,308.40
4000Watt AC Power Supply for US (cable attached)	Cisco WS-C6509-E-FAN	2	\$ 287.10	\$ 574.20
Bootflash for SUP720 - 64MB-SP	Cisco WS-CAC-4000W-US	4	\$ 2,900.00	\$ 11,600.00
Catalyst 6500 512MB DRAM on the Supervisor (SUP2 or SUP720)	Cisco BF-S720-64MB-SP	4	\$ -	\$ -
Catalyst 6500 512MB DRAM on the MSFC2 or SUP720 MSFC3	Cisco MEM-S2-512MB	4	\$ -	\$ -
Bootflash for SUP720-64MB-RP	Cisco MEM-MSFC2-512MB	4	\$ -	\$ -
8x5xNBD Service,Catalyst 6509	Cisco BF-S720-64MB-RP	4	\$ -	\$ -
	Cisco CON-SNT-WS-C6509	2	\$ 5,525.00	\$ 11,050.00
Subtotal:				\$ 124,689.10

90 Day (OPTIONAL)

Total: \$ 434,936.60