



MEMORANDUM

August 31, 2011

TO: Board of Mayor and Aldermen

FROM: Eric Stuckey; City Administrator
Kevin E. Comstock; ITS Project Manager
Eric Gardner; P.E. Director of Engineering
David Parker; P.E. CIP Executive/ City Engineer

SUBJECT: Authorization on to Purchase 34 TS-3 Digi Port servers through Insight Public Sector Government Services Contract for the Franklin ITS Project.

Purpose

The purpose of this memorandum is to provide the Board of Mayor and Aldermen (BOMA) with information to consider the purchase of port servers for Franklin's Traffic Operations Center (TOC) Intelligent Traffic System (ITS) project funded by the American Recovery and Reinvestment Act (ARRA).

Background

The Municipal Information Technology (MIT) Department and TOC have worked in a cooperative manner for over 3 years in the joint use of each department's fiber optic networks. That effort has allowed the City to expand the ITS System and provided MIT with much needed infrastructure in the field at critical locations. As the Franklin ITS ARRA project nears completion in the Cool Springs area, the need was jointly identified by MIT and TOC staff to install 10 GigE Switches at key locations along the system to maximize the use of a single fiber pair. The final component in that installed network is the interface between the network and the signal equipment or CCTV equipment at each of the 34 locations.

Staff has identified Insight as a Government Services Vendor where the City may purchase the needed equipment off an approved GSA contract.

Financial Impact

This project would be 100% funded by TOC budget authorized by BOMA for FY 2011-2012 under Machinery and Equipment over \$10,000, specifically called out as Traffic Signal Upgrades.

A quote of \$10,484.04 for the procurement of 34 Digi Port servers TS-2 @ \$319.06 has been provided by Insight Public Sector. (See Attachment A)

Recommendation

Approval of the purchase in an amount not to exceed \$10,484.04 is recommended.



3Aca.

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Product Compare

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Model	TS 4	TS 2	TS 1
	Digi PortServer TS 4 - device server	Digi PortServer TS 2 - device server	Digi PortServer TS 1 - device server
	ADD	ADD	ADD
	Remove [x]	Remove [x]	Remove [x]
Price	U.S. COMMUNITIES IT PRODUCTS & SERVICES USD\$422.76	U.S. COMMUNITIES IT PRODUCTS & SERVICES USD\$319.06	U.S. COMMUNITIES IT PRODUCTS & SERVICES USD\$235.77
Stock Status	122 In-stock	33 In-stock	29 In-stock
Mfr Part #	70002045	70002043	70002041
Manufacturer	DIGI INTERNATIONAL	DIGI INTERNATIONAL	DIGI INTERNATIONAL

General

Depth	0.9 in	0.9 in	0.9 in
Device Type	Device server	Device server	Device server
Height	5.2 in	5.2 in	5.2 in
Localization			North America
Weight	2.3 oz	2.3 oz	2.3 oz
Width	3.3 in	3.3 in	3.3 in

Environmental Parameters

Humidity Range Operating	5 - 90%	5 - 90%	5 - 90%
Max Operating Temperature	140 °F	140 °F	140 °F
Min Operating Temperature	32 °F	32 °F	32 °F

Expansion / Connectivity

Interfaces	1 x network - Ethernet 10Base-T/100Base-TX - RJ-45 4 x serial -	1 x network - Ethernet 10Base-T/100Base-TX - RJ-45 2 x serial -	1 x network - Ethernet 10Base-T/100Base-TX - RJ-45 1 x serial -
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	RS-232 - RJ-45	RS-232 - RJ-45	RS-232 - RJ-45
Miscellaneous			
Compliant Standards	CE, EN 60950, UL 1950, CSA 22.2 No. 950, EN55022 Class B, ICES-003 Class B, FCC Part 15 B, AS/NZS 3548	CE, EN 60950, UL 1950, CSA 22.2 No. 950, EN55022 Class B, ICES-003 Class B, FCC Part 15 B, AS/NZS 3548	CE, EN 60950, UL 1950, CSA 22.2 No. 950, EN55022 Class B, ICES-003 Class B, FCC Part 15 B, AS/NZS 3548
Networking			
Connectivity Technology	Wired	Wired	Wired
Data Link Protocol	Ethernet, Fast Ethernet, RS-232, PPP	Ethernet, Fast Ethernet, RS-232, PPP	Ethernet, Fast Ethernet, RS-232, PPP
Data Transfer Rate	230 Kbps	230 Kbps	230 Kbps
Features	Flow control, DHCP support, RARP support, manageable, RealPort technology	Flow control, DHCP support, RARP support, manageable, RealPort technology	Flow control, DHCP support, RARP support, manageable, RealPort technology
Form Factor	External	External	External
Network / Transport Protocol	TCP/IP, UDP/IP	TCP/IP, UDP/IP	TCP/IP, UDP/IP
Ports Qty	4	2	
Remote Management Protocol	SNMP, Telnet, HTTP	SNMP, Telnet, HTTP	SNMP, Telnet, HTTP
Status Indicators	Link activity, power	Link activity, power	Link activity, power
Power			
Power Device	Power adapter - external	Power adapter - external	Power adapter - external
Voltage Required	AC 120/230 V	AC 120/230 V	AC 120/230 V
Processor / Memory / Storage			
Hard Drive	None.	None.	None.
Software / System Requirements			
OS Required	SCO OpenServer, UnixWare, IBM AIX, SunSoft Solaris, Compaq Tru64 UNIX, HP-UX, Linux, Microsoft Windows NT, Microsoft Windows 98/ME, Microsoft Windows 2000 / XP, Microsoft Windows Server 2003	SCO OpenServer, UnixWare, IBM AIX, SunSoft Solaris, Compaq Tru64 UNIX, HP-UX, Linux, Microsoft Windows NT, Microsoft Windows 98/ME, Microsoft Windows 2000 / XP, Microsoft Windows Server 2003	SCO OpenServer, UnixWare, IBM AIX, SunSoft Solaris, Compaq Tru64 UNIX, HP-UX, Linux, Microsoft Windows NT, Microsoft Windows 98/ME, Microsoft Windows 2000 / XP, Microsoft Windows Server 2003


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