


CENTRAL FLORIDA EXPRESSWAY AUTHORITY

MEMORANDUM

TO: Authority Board Members

FROM: Claude Miller 
Director of Procurement

DATE: March 24, 2015

RE: Approval of Purchase Order for Great Lakes Computer for
Toll Transactions Database Repository

Board approval is requested to issue a purchase order in the amount of \$70,722.50 to Great Lakes Computer to procure refurbished equipment to store and process all toll transactions. The equipment also stores information on customer accounts, billing, statements, etc. Since the current equipment is outdated new equipment can no longer be purchased.

Until the Centralized Customer Service System (CCSS) becomes operational, it will be necessary to use refurbished equipment in the event one of the current production servers fails. The use of refurbished equipment provides the most economical and feasible solution to keep the legacy system running until the CCSS is fully functional.

cc: Joe Berenis, Deputy Executive Director, Engineering, Operations, Construction and Maintenance
Laura Kelley, Deputy Executive Director, Finance and Administration
Joann Chizlett, Director of Information Technology



5555 Corporate Exchange CT SE
Grand Rapids, MI 49512

Central Florida Expressway Authority
Rene Rodrigue
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p (407) 690-5162

QUOTATION

Quote#: QTE0226512
Date: 3/10/2015
Expiration Date: 4/17/2015

Qty	Part Number	Description	Unit Price	Ext. Price
2		rx6600	\$ 22,525.00	\$ 45,050.00
2	AD132A	Integrity rx6600-CTO, No Memory, No Processors, No	INCL	INCL
4	AD389A	1.6GHz/18MB DC Intel Itanium Montvale 9140N CPU	INCL	INCL
2	AD052A	HP Integrity rx3600/rx6600 Redundant Power Supply	INCL	INCL
2	AD296A#100	HP RX6600 PCI-X 2.0 I/O BACKPLANE	INCL	INCL
2	AB036B	PCI-X 8-Port Internal SCSI HBA (#006, #106)	INCL	INCL
2	AB037A	HP RX6600 2ND INTERNAL STORAG CONTROLLER	INCL	INCL
8	AB566A	16GB PC2-4200/5300 DDR2 SDRAM MEMORY QUAD(4x4gb)	INCL	INCL
4	AD126A	HP rx6600 24-DIMM MEMORY CARRIER BOARD	INCL	INCL
2	AD143A	DVD+RW drive, Slimline	INCL	INCL
2	A7173A	HP DUAL CHANNEL ULTRA320 SCSI ADAPTER	INCL	INCL
4	AB378B	HP PCI-X 2.0 1PORT 4GB FIBRE CHANNEL HBA	INCL	INCL
2	AD053A	HP INTEGRITY UNIVERSAL RACK KIT	INCL	INCL
2	AD301A	Integrity Essentials Integrated Lights-Out 2 Advanced Pack	INCL	INCL
2	396634-001	HP SERIAL INTERFACE ADAPTER	INCL	INCL
8	BA397AC	HP VMS 164 EOE PCL LTU MAX4 PROC W/ SYS	INCL	INCL
1		MSA1000	\$ 4,475.00	\$ 4,475.00
1	201723-B22	Modular SAN Array 1000 Factory integrated 256Cache	INCL	INCL
2	218231-B22	HP MSA1000 CONTROLLER 256 CACHE ALL	INCL	INCL
2	BN37A-01	ULTRA 68 VHD 1M CABLE ASSEMBLY	INCL	INCL
2	288247-B21	MSA SAN SWITCH 2/8 ALL	INCL	INCL
2	302969-B21	HP StorageWorks MSA30 Single Bus Storage Shelf (14 SCSI 1")	INCL	INCL
5	316131-001	SPS-CABLE,SERIAL,MSA1000	INCL	INCL
3	254786-B21	256MB BATTERY BACKED CACHE MODULE	INCL	INCL
1		rx2660 #1	\$ 5,250.00	\$ 5,250.00
1	AB419A#003	Integrity rx2660 Server w/ 1 x 1.6GHz/18MB DC CPU	INCL	INCL
6	AD275A	HP 4GB DDR2 Memory Pair (2x2GB)	INCL	INCL
1	AD253A	HP rx2660 Rackmount Kit	INCL	INCL
1	AD254A	HP rx2660 Additional Power Supply	INCL	INCL
1	AD142A	HP Integrity DVD-ROM Drive	INCL	INCL
1	A9891A	Smart Array 6404 Ultra320 SCSI RAID controller	INCL	INCL
1	AB290A	HP PCI-X 2-Port 1000BT and 2-Port U320 SCSI Adapter	INCL	INCL
1	396634-001	HP SERIAL INTERFACE ADAPTER	INCL	INCL
1	Q1522B	HP StorageWorks DAT 72 SCSI Internal Tape Drive (Carbon)	INCL	INCL
1	A7445B	HP STORAGEWORKS 1U RACKMOUNT KIT	INCL	INCL
1		rx2660 #2	\$ 6,275.00	\$ 6,275.00
1	AB419A#003	Integrity rx2660 Server w/ 1 x 1.6GHz/18MB DC CPU	INCL	INCL
8	AD275A	HP 4GB DDR2 Memory Pair (2x2GB)	INCL	INCL
1	AD253A	HP rx2660 Rackmount Kit	INCL	INCL
1	AD254A	HP rx2660 Additional Power Supply	INCL	INCL
1	AD142A	HP Integrity DVD-ROM Drive	INCL	INCL
1	396634-001	HP SERIAL INTERFACE ADAPTER	INCL	INCL
1	AB290A	HP PCI-X 2-Port 1000BT and 2-Port U320 SCSI Adapter	INCL	INCL
1	C7508B	HP Surestore Tape Array 5300 (Graphite)	INCL	INCL
2	DW016A	HP StorageWorks LTO-2 Ultrium 448 SCSI Internal Tape Drive	INCL	INCL
1	A9891A	Smart Array 6404 Ultra320 SCSI RAID controller	INCL	INCL
1	302970-B21	HP StorageWorks MSA30 Dual Bus Storage Shelf (14 SCSI 1")	INCL	INCL
2	BN37A-02	ULTRA 68VHD 2M CABLE ASSEMBLY	INCL	INCL

		Lifetime Advance Replacement GLC Warranty	\$ 9,157.50	\$ 9,157.50
		Freight	\$ 515.00	\$ 515.00
		Subtotal:	\$	70,722.50

Thank you for the opportunity to earn your business.

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f 616-698-1200

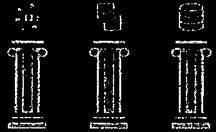
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Name _____

Signature _____

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Since 1986, Great Lakes Computer has been one of the largest, most trusted resellers of new and refurbished technology infrastructure worldwide. Through expertise in network security, virtualization, and data management, Great Lakes Computer excels at helping customers simplify, consolidate, and secure their datacenters.

DATE: August 14, 2013

VENDOR NAME: Great Lakes Computer

VENDOR ADDRESS: 5555 Corporate Exchange CT SE
Grand Rapids, MI 49512

The following is a list of reasons to use Standardization as a basis for pricing with this Vendor:

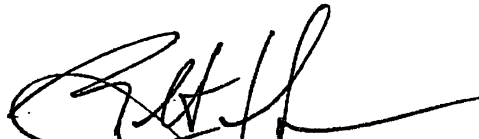
Great Lakes Computer is one of several vendors with available parts needed to maintain the OOCEA OpenVMS systems. OpenVMS systems are a critical component of toll transaction collection, processing and storage including credit card processing and storage. At present, no OpenVMS related system is presently under manufacturer warranty; OOCEA maintains an inventory of suitable, mostly refurbished spare parts to address hardware failures.

Although vendors in the refurbished market offer warranties, they vary greatly in length and type. For example, offerings of thirty (30) days, ninety (90) days, one (1) year and (3) years are available, but vendors do not offer all four consistently across the board. In addition, some vendors offer advanced replacement warranties, others do not. Parts can be bought in "as is", refurbished, HP Renew, like new and in rare cases, new condition. The "new condition" almost always applies to disk drives and it should be further understood that "new condition" truly means "unused" as opposed to "recently manufactured". These market variances create an extremely time consuming endeavor to produce quotes from three vendors that are similar in order to provide a reasonable three (3) quote scenario.

Warranty return actions can be very time consuming and a distraction from supporting these critical systems - so standardization for these parts, such as legacy HP Itanium systems and associated storage systems is essential to maintaining these systems. In closing, it is our experience that Great Lakes Computer offers warranties best suited to the needs of the Expressway Authority and they provide the best selection of relevant refurbished equipment.

Rene C. Rodrigue
Information Security Manager



Joann M. Chizlett, Director of IT

Robert Johnson, Manager, Procurement