



ANITA LOPEZ LUCAS COUNTY AUDITOR

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Toledo, OH 43604-2255
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MEMORANDUM

TO: All Data Processing Board Members
FROM: Anita Lopez, Secretary of Board
DATE: April 2, 2015
SUBJECT: Data Processing Board Meeting

The Lucas County Data Processing Board Meeting will be held on **Thursday, April 2, at 11:00 a.m. in the Commissioners' Conference Room A, Suite 800 of Government Center.** Previous minutes, agendas and requests can be viewed online at <http://www.co.lucas.oh.us/index.aspx?nid=2253>.

Agenda:

1. Approval of Minutes
2. Requests
 - A. Board of Elections – Servers
 - B. Treasurer – Copier
 - C. LCIS – Wireless Controller
3. Old Business
 - A. Tax Accounting Project
4. New Business
 - A. LCIS Annual Report

**LUCAS COUNTY DATA PROCESSING BOARD
MEETING MINUTES**

Thursday, March 5, 2015

Voting Members Present:

Jason Gears, Auditor Rep.
Phil Copeland, Recorder
Don Colby, Common Pleas Court Rep.
Sharon Raburn, Domestic Relations Court Rep.
Lila Shousher, Treasurer Rep.
Adam Hansen, Clerk of Courts Rep.
LaVera Scott, Board of Elections
Gina Kaczala, Board of Elections
Steve Spitler, Commissioner Rep.

Attendees:

Jim Molnar, Auditor Real Estate
Chris Felder, Recorder
Ron Heinold, LCIS
George Webb, LCIS
Julie East, Recorder
Jason Brown, Veterans Services

Recording Secretary:

Karen Schnitkey

-
- Jason Gears called the meeting to order.
 - Motion to approve the minutes of the February 5, 2015 meeting made by Mr. Hansen, seconded by Ms. Scott; motion carried.

Purchasing Requests –

Board of Elections

On 2/11/2015 an emergency request was presented by Ms. Kaczala and Ms. Scott on behalf of the Board of Elections to purchase an Okidata Ballot Printer. The printer will be used offline in the GEMS environment and there will be no connectivity to the county network. All DP Board members were contacted and a majority approval was obtained.

Board of Elections

Ms. Scott and Ms. Kaczala presented a request to purchase a copier/printer for the BOE office from either Perry ProTech or MT Business after reviewing both models. Mr. Gears noted a concern about the use of automated reporting of copy counts using Print Tracker over the network. Motion to approve the purchase made by Mr. Gears, seconded by Ms. Shousher.

Veterans Services

Jason Brown presented a request for a network mail meter to be connected to the county network. This will help to cut down on delays of mail processing for time sensitive correspondence to the Federal Veterans Administration. Mr. Gears requested approval pending LCIS review of the specifications and network needs of the meter before it's installed. Mr. Colby made a motion to approve the connection contingent upon LCIS review and approval of the network specifications, seconded by Mr. Copeland; motion carried.

Old Business

Tax Accounting Project

Mr. Molnar reported that the tax accounting project is moving along and the Go-Live date for the tax module is scheduled for April 8th.

New Business

Mr. Gears distributed the 2014 LCIS Annual Report draft to members to review before the April DP Board meeting.

Motion to adjourn made by Ms. Scott, seconded by Mr. Copeland; motion carried.


Anita Lopez, Secretary of the Board


Jason Gears, Director, LCIS

KAS

Date: March 16, 2015
To: Lucas County Data Processing Board
From: Lucas County Board of Elections
Re: Request to purchase Dell PowerEdge 2900 Server

Lucas County Data Processing Board:

Lucas County Board of Elections is requesting to purchase a Dell PowerEdge 2900 Server for \$5,700 (quote attached as Appendage A). This payment will come out of account 530100-equipment fund. This server will replace our outdated GEMS server, which has reached, and passed its end of life. As per Ohio Secretary of State Memo (2014-02) attached as Appendage B, we must develop a plan for replacing critical election IT system components. This server is used completely off the LCIS network, and is the only model available to use with our vendors software. Currently we have two of the outdated servers that need replacement, and of those two, one server is currently down requiring immediate replacement, to prevent any catastrophic events that could occur if the second server goes down. Please see attached quote for the cost of replacement. Thank you for your consideration in this matter.

Sincerely,

 

Lucas County Board of Elections



Jon Husted

Ohio Secretary of State

Appendage B

180 East Broad Street, 16th Floor
Columbus, Ohio 43215
Tel: (877) 767-6446 Fax: (614) 644-0649
www.OhioSecretaryofState.gov

MEMORANDUM 2014-02

July 29, 2014

To: All County Boards of Elections
Directors, Deputy Directors, and Board Members

Re: Voting System Server Upgrades

In 2005, counties began implementing updated voting systems purchased by the Secretary of State's Office using one-time federal Help America Vote Act funds. All Ohio counties were using these systems for all voters by the 2006 federal general election.

As with all information technology (IT) systems, components require regular maintenance and periodic upgrade through replacement. As a part of this common IT routine, a server, the workhorse component of any IT system, should be replaced after an extended period of use to reduce the potential for central system failure during critical periods.

Several boards of elections that are running central servers installed in 2005 and 2006 have experienced intermittent problems associated with aging equipment. These problems have not at any time jeopardized the accurate recording or tabulating of any ballot, as these counties have continued to properly maintain their systems and many have adequate onsite backup systems.

All boards of elections must consult with their voting system vendor and local government IT personnel to develop a schedule for replacing critical election IT system components, including its voting system's central server. It is considered a recommended best practice in IT administration that equipment such as central servers should be replaced every five to seven years. Next, determine whether the primary central server and related components for its voting system should be replaced based on the established schedule. If the primary central sever and related components have been in use since at least the 2006 general election, or are outside of the Board's established schedule, the board of elections should replace that server and all related components.

Boards must ensure that all systems replaced are using the most recently certified components, systems, and configurations as authorized by the U.S. Election Assistance Commission and the Ohio Board of Voting Machine Examiners.

If you should have any questions regarding this Memorandum please contact my Deputy Chief of Staff, Matt Masterson, at (614) 466-2585 or MMasterson@OhioSecretaryofState.gov.

Sincerely,


Jon Husted

Appendage A

Sales Order

dominion | VOTING

1201 18th Street, Suite 210
 Denver, CO 80202
 Tel: 720-264-2531
 Fax: 720-224-9507

Sales Order Number _____

ACCOUNTING USE ONLY

Job Number _____

Bill to		Ship to	
BUSINESS NAME Lucas County BOE		BUSINESS NAME same	
CUSTOMER CONTACT NAME Gina Kaczala, Director	TELEPHONE 419-213-4001	CUSTOMER CONTACT NAME	TELEPHONE
ADDRESS One Govt. Center, Suite 300	FAX	ADDRESS	FAX
CITY Toleto	STATE OH	ZIP 43604	CITY

Sales Representative Information		Critical Dates (mm/dd/yy)		
REPRESENTATIVE #	REPRESENTATIVE NAME Mark Beckstrand	ISSUANCE	ELECTION	PO DATE

Quantity	Product Number	Product Description	Unit Price	Extended Price
2		Dell PE 2900 Windows Server Standard	\$5,500.00	\$11,000.00
		GEMS Replacement Server - Ohio Version		\$0.00
		3 year warranty		\$0.00
				\$0.00
				\$0.00
				\$0.00
1		On site configuration, imaging, and installation (One day is quoted/normal. If two days are required there will be an additional charge of \$1,400.00).	\$1,400.00	\$0.00
				\$0.00
				\$0.00
				\$0.00
2		Shipping	\$70.00	\$140.00
				\$0.00
				\$0.00
Total Price				\$11,140.00

Special Instructions
 P.O. # _____

Authorizations			
REQUESTER (type or print) Mark Beckstrand	TITLE Regional Sales Mgr.	SIGNATURE 	DATE (mm/dd/yy) 2/19/2015
DEPARTMENT HEAD (type or print)	TITLE	SIGNATURE	DATE (mm/dd/yy)

ACCOUNTING (type or print)	TITLE	SIGNATURE	DATE (mm/dd/yy)
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Date: March 16, 2015
To: Lucas County Data Processing Board
From: Lucas County Board of Elections
Re: Request to purchase Dell PowerEdge R320 Rack Server

Lucas County Data Processing Board:

Lucas County Board of Elections is requesting to purchase the Dell PowerEdge R320 Rack Server directly from Dell for \$5,535.64. This payment will come out of account 530100-equipment fund. This server will replace our outdated Gateway server, which has reached, and passed its end of life. This server currently houses our Voter Registration system, Dims. (Data Information Management Systems) This application is accessed by up to 55 users concurrently, each of which having 2 sessions open. (Total of up to 110 instances at one time) With this being said, we went by the vendors minimum specifications, see appendage (A), and went heavy on processor speed, cache, and RAM capacity, to minimize slow-downs and freeze-ups, during our peak usage times. Please see Dell quote as appendage (B). Thank you for your consideration in this matter.

Sincerely,

Two handwritten signatures in blue ink. The first signature is 'Jhona-Maria Kaupla' and the second is 'Rakia Ricket'.

Lucas County Board of Elections

Appendage B



Print Summary

PowerEdge R320 Rack Server

Grand Total \$5,535.64

As low as \$167.00 /month^

[Dell Business Credit | Apply](#)

[Discount Details](#)

My Selections **All Options**



- PowerEdge R320 Rack Server

Date	3/16/2015 7:36:19 PM Central Standard Time			
Catalog Number	4 Retail 04			
Catalog Number / Description	Product Code	Qty	SKU	Id
PowerEdge R320: PowerEdge R320, Intel® Xeon® E-24XX v2 Processors	R320E	1	[210-ACCX][329-BBYC]	1
Chassis Configuration: 3.5" Chassis with up to 4 Hot Plug Hard Drives	4HPSAS	1	[318-2038][331-6959]	1530
Shipping: PowerEdge R320 Shipping	SHIP	1	[331-6952]	1500
Processor: Intel® Xeon® E5-2470 v2 2.40GHz, 25M Cache,	E524702	1	[317-9826][338-BDZP]	1550

Appendage B

8.0GT/s QPI, Turbo, 10C, 95W, Max Mem 1600MHz				
Memory DIMM Type and Speed: 1600MT/s RDIMMS	1600RD	1	[331-4424]	1561
Memory Configuration Type: Performance Optimized				
	PEOPT	1	[331-4428]	1562
Memory Capacity: 16GB RDIMM, 1600MT/s, Low Volt, Dual Rank, x4 Data Width				
	16GBRLR	2	[319-1812]	1560
Operating System: Windows Server® 2012, Essentials Ed, Factory Install, No MED, 2 Socket, 1VM				
	WS2012M	1	[421-9711]	1650
OS Media Kits: Windows Server® 2012, Essentials Edition, Media Kit				
	WS2012E	1	[421-9712]	1652
RAID Configuration: RAID 5 for H710/H310 (3-8 HDDs)				
	R5H7H3	1	[331-7001]	1540
RAID Controller: PERC H310 Integrated RAID Controller				
	PH310IR	1	[342-3528]	1541
Hard Drives: 1TB 7.2K RPM SATA 3Gbps 3.5in Hot-plug Hard Drive				
	1TS3	3	[341-8730]	1570
Embedded Systems Management: Basic Management				
	BMC	1	[331-3482]	1515
Add-in Network Adapter: On-Board Broadcom 5720 Dual Port 1Gb LOM				
	OBNIC	1	[430-4715]	1514
Add-in Network Adapter: Broadcom 5720 DP 1Gb Network Interface Card				
	5720DP	1	[430-4423]	1514
Power Supply: Dual, Hot-plug, Redundant Power Supply, 350W				
	2RPS350	1	[331-7022][331-7027]	1620
Power Cords: NEMA 5-15P to C13 Wall Plug, 125 Volt, 15 AMP, 10 Feet (3m), Power Cord				
	125V10F	2	[310-8509]	1621
Rack Rails: No Rack Rails or Cable Management Arm				
	NORAIL	1	[330-3522]	1610

Appendage B

Bezel: No Bezel	NOBEZEL	1	[313-0869]	1532
Internal Optical Drive: DVD Internal for 4HD Chassis	DVD12	1	[318-2099]	1600
System Documentation: Electronic System Documentation and OpenManage DVD Kit for R320	EDOCS	1	[331-6962]	1590
Database Software: Microsoft®SQL Server™2014 STD,5Device CALs,NFI,w 2012 DGRD Media	S5DNM	1	[634-BCEK]	1657
Warranty & Service: 3Yr Basic Hardware Warranty Repair: 5x10 HW-Only, 5x10 NBD Onsite	U3OS	1	[938-3184][939-6767][939-6857][994-4019][995-8451][996-8029]	29
Installation Services: No Installation	NOINSTL	1	[900-9997]	32
Remote Consulting Service: Declined Remote Consulting Service	NORCS	1	[973-2426]	35

Appendage A

DIMS.net Minimum System Requirements Rev 1.2

The minimum requirements for DIMS.net client (8.x) are similar for any .NET supported software. Microsoft has published a set of system requirements for the .NET 4.0 Framework, which DIMS.net is built upon. As with any application, available system resources are the key to system performance. Key component resources (such as CPU speed, memory, disk space, system configuration, and network bandwidth) may affect DIMS.net performance. 3RD party applications and anti-virus protection software may further affect DIMS.net performance. Users who typically initiate multiple DIMS.net sessions may experience performance issues on slower machines. With that said, computers with faster processors and additional memory will generally perform better.

DIMS.net Server side minimum requirements:

Microsoft Windows Server 2003	(Recommend Server 2008 R2 or newer)
Microsoft SQL Server 2000	(Recommend SQL Server 2008 R2 or newer)

DIMS recommends running SQL Server in native mode when upgrading to DIMS.net (Please refer to your SQL Server documentation for any related issues when removing compatibility mode).

DIMS recommends following the manufacturers recommended system requirements for all server environments. Your county may require additional resources based on county size.

DIMS.net Client side minimum requirements:

Microsoft Windows XP SP3.
Microsoft Windows 7 (32 or 64 bit).

DIMS recommends Windows 7 compatible client computers. Windows XP computers may require additional memory.

DIMS recommends at least 1 Ghz processor, 2 GB memory and 2GB available disk space. Faster processors and additional memory may dramatically improve performance.

DIMS.net supports 64-bit environments; however the client computer will need to meet the minimum requirements for the Windows 64-bit Operating System.

Appendage A

Supported Version Matrix

Server OS	DIMS.net	DXI (Services)
Windows Server 2012 R2 (v6.3)	As supported by SQL version	Unknown ¹
Windows Server 2012 (v6.2)	As supported by SQL version	Unknown ¹
Windows Server 2008 R2 (v6.1)	As supported by SQL version	Yes
Windows Server 2008 (v6.0)	As supported by SQL version	Yes
Windows Server 2003 R2 (v5.2)	As supported by SQL version	Yes
Windows Server 2003 (v5.1)	As supported by SQL version	Yes (with SP1 or higher)
Windows Server 2000 (v5.0)	As supported by SQL version	No

Client OS	DIMS.net	DXI (Desktop/Console)
Windows 8.1 (v6.3)	Untested ¹	Untested ¹
Windows 8 (v6.2)	Yes ²	Untested ¹
Windows 7 (v6.1)	Yes	Yes
Windows Vista (v6.0)	Yes ²	Yes
Windows XP	Yes (with SP1 or higher)	Yes (with SP1 or higher)

SQL Server	DIMS.net	DXI (Services)
SQL Server 2014 (v12.00)	Unknown ¹	Unknown ¹
SQL Server 2012 (v11.00)	Yes	Unknown ¹
SQL Server 2008 R2 (v10.50)	Yes	Yes
SQL Server 2008 (v10.00)	Yes	Yes
SQL Server 2005 (v9.00)	Yes	Yes
SQL Server 2000 (v8.00)	Yes	Yes

¹ No known issues exist, but has not been tested

² Basic functionality has been checked, but the product has not been fully tested

Appendage A

References

Windows Server OS List; http://en.wikipedia.org/wiki/List_of_Microsoft_Windows_versions

SQL Server List; <http://sqlserverbuilds.blogspot.com/>

Windows Server 2008 System Requirements:

<http://technet.microsoft.com/en-us/windowsserver/bb414778>

SQL Server 2008 System Requirements:

<http://msdn.microsoft.com/en-us/library/ms143506.aspx>

Link to .NET Framework System Requirements:

<http://msdn.microsoft.com/en-us/library/8z6watww.aspx>

Link to Windows 7 Upgrade Advisor:

<http://windows.microsoft.com/en-US/windows/downloads/upgrade-advisor>

Date	Version	Source	Description
	1.0	Woodruff	Created
2013-01-31	1.1	Guedea	Changed client minimum memory to 2 GB
2014-05-14	1.2	Woodruff	Added Support Matrix



Wade Kapszukiewicz

Lucas County Treasurer

One Government Center • Suite 500 • Toledo, Ohio 43604-2258
www.co.lucas.oh.us/treasurer

March 30, 2015

Lucas County DP Board
Ms. Anita Lopez, Secretary
One Government Center Suite 600
Toledo, Ohio 43604

Dear Ms. Lopez,

The Lucas County Treasurer's Office would like approval to purchase a Ricoh Aficio MP 9002SP from MT Business Technologies. We will be using this equipment to print our in-house tax documents using the new tax accounting software. See attached quote.

Grand Total: not to exceed \$ 15,050.00

Funding Source: 1010-1310-512110

Respectfully Submitted,

Karen Poore
Chief Deputy
Lucas County Treasurer's Office

Proposal for

Lucas County Treasurer

Prepared on March 27, 2015





*Proposal prepared for Lucas County Treasurer
on Friday, March 27, 2015*

Equipment Detail

Ricoh Aficio MP 9002SP - 90 page per minute b&w system

Mainframe includes 150 sheet color single pass duplexing document feeder, 1.5GB RAM, 250GB HDD, DOSS, print/scan unit, Ethernet, USB 2.0 interface, scan or print from USB or SD card, PDF direct print, and HDD encryption.

Accessories:

- SR4060 Stapling Finisher
- RT4010 (Side Large Capacity Tray)
- Postscript
- Fax

Installation & Training

Installation Charges (Includes Installed Accessories)	Included
System Training	Included

Maintenance Terms

Service Agreement	Term	Cost Per Impression
Black & White	Monthly	\$0.0039

MT Business Technologies, Inc.'s exclusive Quality Standard Maintenance Program includes all service, all parts and all supplies (except paper and staples) that are needed to make impressions. You never pay extra for toner or developer. You will also receive our exclusive "Performance Guarantee".

Financing Terms

Option	Payment
Purchase Price	\$15,050.00

*Non State-Contract Pricing

MT Business Technologies' Service Policy

- MT Business Technologies guarantees replacement parts for seven years.
- MT Business Technologies guarantees we will respond to an emergency call with a factory trained technician within 4 hours of the call being placed.
- MT Business Technologies will provide you a loaner system in the event that your system cannot be repaired at your location in a reasonable time.
- MT Business Technologies guarantees a like for like replacement system for you at no charge if we cannot maintain your system to the manufactures specification.
- Incented Technical Specialists will fix the problem right the first time and eliminate call back on the same problem or a call back on a worn part right after a service call.
- Includes all service, all parts and all supplies (except paper and staples) that are needed to make impressions. You never pay extra for toner or developer.

Once again, thank you for the opportunity to present this proposal. I look forward to addressing your questions and establishing a long-lasting business relationship between your company and ours.

Proposal for

**Lucas County Treasurer
STATE CONTRACT #800310**

Prepared on March 27, 2015





*Proposal prepared for Lucas County Treasurer
on Friday, March 27, 2015*

Equipment Detail

Ricoh Aficio MP 9002SP - 90 page per minute b&w system

Mainframe includes 150 sheet color single pass duplexing document feeder, 1.5GB RAM, 250GB HDD, DOSS, print/scan unit, Ethernet, USB 2.0 interface, scan or print from USB or SD card, PDF direct print, and HDD encryption.

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Financing Terms

Option	Payment
Purchase Price	\$17,303.00

STATE CONTRACT #800310

MT Business Technologies' Service Policy

- MT Business Technologies guarantees replacement parts for seven years.
- MT Business Technologies guarantees we will respond to an emergency call with a factory trained technician within 4 hours of the call being placed.
- MT Business Technologies will provide you a loaner system in the event that your system cannot be repaired at your location in a reasonable time.
- MT Business Technologies guarantees a like for like replacement system for you at no charge if we cannot maintain your system to the manufactures specification.
- Incented Technical Specialists will fix the problem right the first time and eliminate call back on the same problem or a call back on a worn part right after a service call.
- Includes all service, all parts and all supplies (except paper and staples) that are needed to make impressions. You never pay extra for toner or developer.

Once again, thank you for the opportunity to present this proposal. I look forward to addressing your questions and establishing a long-lasting business relationship between your company and ours.



www.co.lucas.oh.us

**Lucas County
Information
Services**

Anita Lopez,
Lucas County Auditor
and
Secretary of the
Data Processing Board

Jason Gears
**Director of Information
Services**
One Government Center
Suite 400
Toledo, OH 43604

419.213.4025 Voice
419.213.4024 Fax

Date: March 31, 2015

To: Lucas County Data Processing Board

From: Jason Gears

Subject: Data Processing Board Request – Redundant Wireless Controller

Lucas County Data Processing Board Members,

Lucas County Information Services is requesting permission to purchase and implement an additional wireless controller to add redundancy to our enterprise wireless system. Funds are secured in Capital Improvement account 4030-1750-C1075.

The total cost of \$20,652.37 is broken down as follows:

MCPc	
Cisco 5508 Wireless Contoller - HA	\$11,600.00
1000Base-T SFP (14)	\$3,207.40
Cisco SmartNet 8x5xNBD	\$2,287.12
AIR-CAP2702I-A-K9	\$635.10
MCPc Professional Services	\$2,922.75
Total	\$20,652.37

MCPc professional services will be billed for actual time and material. We anticipate the total cost to be less due to LCIS's advanced planning and preparation.

Thank you for your consideration,


Jason Gears
Director of Information Services



MCPc Work Request

Wireless LAN Controller Upgrade and Redundancy

Presented To:

Lucas County

Jason Gears

Presented By:

Scott Isaacs

Senior Account Manager

Niladri Datta

Solution Architect

Date Offered:

03/04/2015

Proposal Ref. #

50066319 V. 3

Date Expires

04/24/2015

Quote To:	Bill To:	Ship To:
Lucas County	Lucas County	Lucas County
Jason Gears	Attn: Jason Gears	Attn: Jason Gears
One Government CenterSte 400 Information Services	One Government CenterSte 400 Information Services	One Government CenterSte 400 Information Services
Toledo OH 43604	Toledo OH 43604	Toledo OH 43604
4192134386	4192134386	4192134386
jgears@co.lucas.oh.us	jgears@co.lucas.oh.us	jgears@co.lucas.oh.us

Professional Services and Pricing Summary		
Item	Description	Total Cost
Cisco Wireless Hardware		\$15,442.50
Cisco Smartnet		\$2,287.12
MCPc Services	Services	\$2,922.75
Quote Total		\$20,652.37

Description of requested Professional Services Work:

Lucas County has requested a proposal from MCPc to assist with the setup of a redundant Wireless LAN Controller.

Lucas County currently has a single Cisco 5508 Wireless LAN Controller (WLC) running v7.0x which manages 18 Access Points today. Lucas County is looking to expand the wireless network in the near future and has decided to migrate to a redundant WLC configuration with Stateful Switchover (SSO) redundancy. In order to support HA with SSO, both WLC appliances will need to be Layer 2 adjacent with each other with a Round-Trip Time (RTT) of less than 80ms and minimum of 60Mbps of bandwidth.

In order to provide this functionality, the software on the existing WLC will need to be upgraded and a second HA WLC deployed. Due to lack of support for legacy Access Points, (1) 1230 series Access Point will be replaced with a 2700 series Access Point.

MCPc will be responsible for the following deliverables:

- Attend a kickoff call to schedule project tasks
- Perform remote discovery of the existing 5508 WLC
- Stage the new HA 5508 WLC with vendor recommended software
- Upgrade the primary WLC with vendor recommended software
- Rack and power the HA 5508 WLC
- Integrate both WLCs with LAN using Link Aggregation across all 8 interfaces
- Configure replacement 2700 series Access Point on WLC with same settings as existing 1230 series Access Point
- Work with customer to test WLC failover

Customer will be responsible for the following:

- Attend a kickoff call to schedule project tasks
- Provide racking and power consistent with manufacturer requirements
- All configuration required on LAN switches to support WLC HA requirements
- Physical installation of 2700 series Access Point
- Creation and execution of test plan before and after go-live for baseline and acceptance testingAny configuration or changes to customer wireless devices/endpoints

Invoicing Details:

- Engineering Services to be billed on a Time & Materials basis with the following rates:
 - Business Hours (Mon - Friday): \$157.50/hr
 - After Hours and Saturday: \$238.50/hr
 - Holidays and Sunday: \$315.00/hr
 - There is a 4 hour minimum on this Proposal
 - On-site trip charge is \$100 flat rate with expenses billed as actual.
- No Project Management services are included in this proposal but can be added upon request.

MCPc services quoted is an estimated amount based on knowledge of the current environment. Customer will be invoiced based on actual hours consumed for this project

Product Detail

Cisco Wireless Hardware

<u>Item</u>	<u>Item Description</u>	<u>QTY</u>	<u>Price</u>	<u>Extended Price</u>
AIR-CT5508-HA-K9	Cisco 5508 Series Wireless Controller for High Availability	1	\$11,600.00	\$11,600.00
SWC5500K9-76	Cisco Unified Wireless Controller SW Release 7.6	1	\$0.00	\$0.00
AIR-PWR-CORD-NA	AIR Line Cord North America	1	\$0.00	\$0.00
LIC-CT5508-BASE	Base Software License	1	\$0.00	\$0.00
PI-MSE-PRMO-INSRT	Insert Packout - PI-MSE	1	\$0.00	\$0.00
GLC-T=	1000BASE-T SFP	14	\$229.10	\$3,207.40
AIR-CAP2702I-A-K9	802.11ac CAP w/CleanAir; 3x4:3SS; Int Ant; A Reg Domain	1	\$635.10	\$635.10
SWAP2700-CMB-A1-K9	Cisco 2700 Series Combined Unified and Autonomous (xxxxx) SW	1	\$0.00	\$0.00
AIR-AP-T-RAIL-R	Ceiling Grid Clip for Aironet APs - Recessed Mount (Default)	1	\$0.00	\$0.00
AIR-AP-BRACKET-1	802.11n AP Low Profile Mounting Bracket (Default)	1	\$0.00	\$0.00

Cisco Smartnet

<u>Item</u>	<u>Item Description</u>	<u>QTY</u>	<u>Price</u>	<u>Extended Price</u>
CON-SNT-CT5508HA	SMARTNET 8X5XNBD Cisco 5508 Series Wi Ohio State Term contract number 533110-3-21	1 0	\$2,287.12 \$0.00	\$2,287.12 \$0.00

<u>Financing</u>	<u>Term</u>	<u>Estimated Monthly Payment</u>
MCPc Financial Services	36 Months - FMV	\$619.16

Lease Terms & Conditions: The estimated monthly payment is for a 36 month Fair Market Value lease. The proposal is subject to proper credit approval.

AUTHORIZATION TO PROCEED

IN WITNESS WHEREOF, the parties have caused this Agreement to be executed and represent that the persons whose signatures appear below are duly authorized to execute this Agreement. I have reviewed the information contained in the Work Request and agree to the baseline commitments, Customer Responsibilities, terms, and conditions specified within.

Lucas County	MCPc, Inc.
Name:	Name:
Title:	Title:
Signature:	Signature:
Date:	Date:
Proposal Ref. # 50066319 V. 3	P.O. #

Terms and Conditions

This document is governed by MCPc’s Master Terms and Conditions, found at www.mcp.com/termsandconditions; unless you have a separately negotiated agreement with MCPc which covers this purchase, in which case that agreement will govern.