

REQUEST FOR LEGISLATIVE ACTION

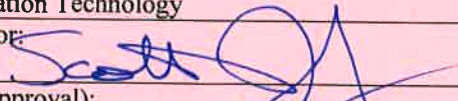


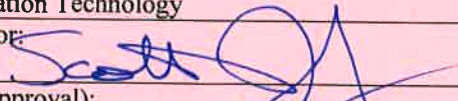


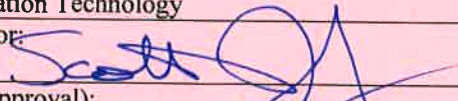


Completed by County Counselor's Office:

~~Res~~/Ord No.: 4708

Sponsor(s): Theresa Garza Ruiz

Date: December 8, 2014

SUBJECT	<p>Action Requested <input type="checkbox"/> Resolution <input checked="" type="checkbox"/> Ordinance</p> <p>Project/Title: <u>Appropriating \$590,000 from the Undesignated Fund Balance of the General Fund and authorizing transfers within the General Fund in the amount of \$171,176; Health Fund in the amount of \$4,015; Park Fund in the amount of \$10,043; Special Road and Bridge Fund in the amount of \$16,834; Anti-Drug Sales Tax Fund in the amount of \$8,260; Assessment Fund in the amount of \$ 63,783; and Park Enterprise Fund in the amount of \$25,000 for the purpose of providing funding for the Overhaul of the County's Network System.</u></p>																																																		
BUDGET INFORMATION <i>To be completed By Requesting Department and Finance</i>	<table border="1" style="width:100%; border-collapse: collapse;"> <tr> <td>Amount authorized by this legislation this fiscal year:</td> <td style="text-align: right;">\$889,111</td> </tr> <tr> <td>Amount previously authorized this fiscal year:</td> <td></td> </tr> <tr> <td>Total amount authorized after this legislative action:</td> <td style="text-align: right;">\$889,111</td> </tr> <tr> <td>Amount budgeted for this item * (including transfers):</td> <td></td> </tr> <tr> <td>Source of funding (name of fund) and account code number:</td> <td></td> </tr> <tr> <td>Appropriated From: 001-2810 General Fund, Undesignated Balance</td> <td style="text-align: right;">\$590,000</td> </tr> <tr> <td>Appropriated To: 001-1305-58020 General Fund, IT, Buildings and Improvements</td> <td style="text-align: right;">\$590,000</td> </tr> <tr> <td>Transferred From: 001-1305-55010 General Fund, IT, Regular Salaries</td> <td style="text-align: right;">\$164,000</td> </tr> <tr> <td>Transferred From: 001-1305-55060 General Fund, IT, Insurance Benefits</td> <td style="text-align: right;">\$ 7,176</td> </tr> <tr> <td>Transferred To: 001-1305-58020 General Fund, IT, Buildings and Improvements</td> <td style="text-align: right;">\$171,176</td> </tr> <tr> <td>Transferred From: 002-1305-55010 Health Fund, IT, Regular Salaries</td> <td style="text-align: right;">\$ 1,000</td> </tr> <tr> <td>Transferred From: 002-5102-56643 Health Fund, Non-Departmental, Mobile Phone</td> <td style="text-align: right;">\$ 3,015</td> </tr> <tr> <td>Transferred To: 002-1305-58020 Health Fund, IT, Buildings and Improvements</td> <td style="text-align: right;">\$ 4,015</td> </tr> <tr> <td>Transferred From: 003-8005-56830 Park Fund, Non-Mandated Contingency, Contingency</td> <td style="text-align: right;">\$ 10,043</td> </tr> <tr> <td>Transferred To: 003-1305-58020 Park Fund, IT, Buildings and Improvements</td> <td style="text-align: right;">\$ 10,043</td> </tr> <tr> <td>Transferred From: 004-8005-56830 Road & Bridge Fund, Non-Mandated Contingency, Contingency</td> <td style="text-align: right;">\$ 16,834</td> </tr> <tr> <td>Transferred To: 004-1305-58020 Road & Bridge, IT, Buildings and Improvements</td> <td style="text-align: right;">\$ 16,834</td> </tr> <tr> <td>Transferred From: 008-8005-56830 Anti-Drug Fund, Non-Mandated Contingency, Contingency</td> <td style="text-align: right;">\$ 8,260</td> </tr> <tr> <td>Transferred To: 008-1305-58020 Anti-Drug Fund, IT, Buildings and Improvements</td> <td style="text-align: right;">\$ 8,260</td> </tr> <tr> <td>Transferred From: 045-1305-55010 Assessment Fund, IT, Regular Salaries</td> <td style="text-align: right;">\$ 55,000</td> </tr> <tr> <td>Transferred From: 045-8005-56830 Assessment Fund, Non-Mandated Contingency, Contingency</td> <td style="text-align: right;">\$ 8,783</td> </tr> <tr> <td>Transferred To: 045-1305-58020 Assessment Fund, IT, Buildings and Improvements</td> <td style="text-align: right;">\$ 63,783</td> </tr> <tr> <td>Transferred From: 300-1305-55010 Park Enterprise Fund, IT, Regular Salaries</td> <td style="text-align: right;">\$ 25,000</td> </tr> <tr> <td>Transferred To: 300-1305-58020 Park Enterprise Fund, IT, Buildings and Improvements</td> <td style="text-align: right;">\$ 25,000</td> </tr> <tr> <td>TOTAL</td> <td style="text-align: right;">\$889,111</td> </tr> </table> <p>* If account includes additional funds for other expenses, total budgeted in the account is: \$</p> <p>OTHER FINANCIAL INFORMATION:</p> <p><input type="checkbox"/> No budget impact (no fiscal note required)</p> <p><input type="checkbox"/> Term and Supply Contract (funds approved in the annual budget); estimated value and use of contract: Department: _____ Estimated Use: \$ _____</p> <p>Prior Year Budget (if applicable): N/A Prior Year Actual Amount Spent (if applicable): N/A</p>	Amount authorized by this legislation this fiscal year:	\$889,111	Amount previously authorized this fiscal year:		Total amount authorized after this legislative action:	\$889,111	Amount budgeted for this item * (including transfers):		Source of funding (name of fund) and account code number:		Appropriated From: 001-2810 General Fund, Undesignated Balance	\$590,000	Appropriated To: 001-1305-58020 General Fund, IT, Buildings and Improvements	\$590,000	Transferred From: 001-1305-55010 General Fund, IT, Regular Salaries	\$164,000	Transferred From: 001-1305-55060 General Fund, IT, Insurance Benefits	\$ 7,176	Transferred To: 001-1305-58020 General Fund, IT, Buildings and Improvements	\$171,176	Transferred From: 002-1305-55010 Health Fund, IT, Regular Salaries	\$ 1,000	Transferred From: 002-5102-56643 Health Fund, Non-Departmental, Mobile Phone	\$ 3,015	Transferred To: 002-1305-58020 Health Fund, IT, Buildings and Improvements	\$ 4,015	Transferred From: 003-8005-56830 Park Fund, Non-Mandated Contingency, Contingency	\$ 10,043	Transferred To: 003-1305-58020 Park Fund, IT, Buildings and Improvements	\$ 10,043	Transferred From: 004-8005-56830 Road & Bridge Fund, Non-Mandated Contingency, Contingency	\$ 16,834	Transferred To: 004-1305-58020 Road & Bridge, IT, Buildings and Improvements	\$ 16,834	Transferred From: 008-8005-56830 Anti-Drug Fund, Non-Mandated Contingency, Contingency	\$ 8,260	Transferred To: 008-1305-58020 Anti-Drug Fund, IT, Buildings and Improvements	\$ 8,260	Transferred From: 045-1305-55010 Assessment Fund, IT, Regular Salaries	\$ 55,000	Transferred From: 045-8005-56830 Assessment Fund, Non-Mandated Contingency, Contingency	\$ 8,783	Transferred To: 045-1305-58020 Assessment Fund, IT, Buildings and Improvements	\$ 63,783	Transferred From: 300-1305-55010 Park Enterprise Fund, IT, Regular Salaries	\$ 25,000	Transferred To: 300-1305-58020 Park Enterprise Fund, IT, Buildings and Improvements	\$ 25,000	TOTAL	\$889,111
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PRIOR LEGISLATION	<p>Prior ordinances and (date): Prior resolutions and (date):</p>																																																		
CONTACT INFORMATION	<p>RLA drafted by (name, title, & phone): Barbara Casamento, Purchasing Supervisor, 881-3253</p>																																																		

REQUEST SUMMARY	<p>The Information Technology Department needs to overhaul most of the County's network switches, routers, cabling, uninterruptable power supplies, and cages for both the downtown Courthouse and the Jackson County Detention Center. This is an overhaul of the basic infrastructure of the County's network and will help improve network services; help protect against a major failure of the network; and enable us to recycle usable hardware from our downtown buildings and upgrade obsolete equipment in our remote locations. The purchases of hardware and installation services for the hardware will be made from an existing Term and Supply Contract as follows:</p> <p>Alexander Open Systems \$889,111 Overland Park, Kansas Term and Supply Contract No. CO62512 Resolution No. 18590</p> <p>The Director of Finance and Purchasing requests the appropriation of \$590,000</p> <table style="width: 100%; border: none;"> <tr> <td style="width: 70%;"></td> <td style="text-align: right; width: 15%;">FROM:</td> <td style="text-align: right; width: 15%;">TO:</td> </tr> <tr> <td>001-2810 General Fund, Undesignated Fund Balance</td> <td style="text-align: right;">\$590,000</td> <td></td> </tr> <tr> <td>001-1305-58020 General Fund, IT, Buildings and Improvements</td> <td></td> <td style="text-align: right;">\$590,000</td> </tr> </table> <p>The Director of Finance and Purchasing request the transfers of \$185,234 as follows:</p> <table style="width: 100%; border: none;"> <tr> <td style="width: 70%;"></td> <td style="text-align: right; width: 15%;">FROM:</td> <td style="text-align: right; width: 15%;">TO:</td> </tr> <tr> <td>001-1305-55010 General Fund, IT, Regular Salaries</td> <td style="text-align: right;">\$164,000</td> <td></td> </tr> <tr> <td>001-1305-55060 General Fund, IT, Insurance</td> <td style="text-align: right;">\$ 7,176</td> <td></td> </tr> <tr> <td>001-1305-58020 General Fund, IT, Buildings and Improvements</td> <td></td> <td style="text-align: right;">\$171,176</td> </tr> <tr> <td>002-1305-55010 Health Fund, IT, Regular Salaries</td> <td style="text-align: right;">\$ 1,000</td> <td></td> </tr> <tr> <td>002-5102-56643 Health Fund, Non-Departmental, Mobile Phones</td> <td style="text-align: right;">\$ 3,015</td> <td></td> </tr> <tr> <td>002-1305-58020 Health Fund, IT, Buildings and Improvements</td> <td></td> <td style="text-align: right;">\$ 4,015</td> </tr> <tr> <td>003-8005-56830 Park Fund, Non-Mandated Contingency, Contingency</td> <td style="text-align: right;">\$ 10,043</td> <td></td> </tr> <tr> <td>003-1305-58020 Park Fund, IT, Buildings and Improvements</td> <td></td> <td style="text-align: right;">\$ 10,043</td> </tr> <tr> <td>004-8005-56830 Road & Bridge, Non-Mandated Contingency, Contingency</td> <td style="text-align: right;">\$ 16,834</td> <td></td> </tr> <tr> <td>004-1305-58020 Road & Bridge, IT, Buildings and Improvements</td> <td></td> <td style="text-align: right;">\$ 16,834</td> </tr> <tr> <td>008-8005-56830 Anti-Drug, Non-Mandated Contingency, Contingency</td> <td style="text-align: right;">\$ 8,260</td> <td></td> </tr> <tr> <td>008-1305-58020 Anti-Drug, IT, Buildings and Improvements</td> <td></td> <td style="text-align: right;">\$ 8,260</td> </tr> <tr> <td>045-1305-55010 Assessment, IT, Regular Salaries</td> <td style="text-align: right;">\$ 55,000</td> <td></td> </tr> <tr> <td>045-8005-56830 Assessment, Non-Mandated Contingency, Contingency</td> <td style="text-align: right;">\$ 8,783</td> <td></td> </tr> <tr> <td>045-1305-58020 Assessment, IT, Buildings and Improvements</td> <td></td> <td style="text-align: right;">\$ 63,783</td> </tr> <tr> <td>300-1305-55010 Park Enterprise, IT, Regular Salaries</td> <td style="text-align: right;">\$25,000</td> <td></td> </tr> <tr> <td>300-1305-58020 Park Enterprise, IT, Buildings and Improvements</td> <td></td> <td style="text-align: right;">\$ 25,000</td> </tr> </table>		FROM:	TO:	001-2810 General Fund, Undesignated Fund Balance	\$590,000		001-1305-58020 General Fund, IT, Buildings and Improvements		\$590,000		FROM:	TO:	001-1305-55010 General Fund, IT, Regular Salaries	\$164,000		001-1305-55060 General Fund, IT, Insurance	\$ 7,176		001-1305-58020 General Fund, IT, Buildings and Improvements		\$171,176	002-1305-55010 Health Fund, IT, Regular Salaries	\$ 1,000		002-5102-56643 Health Fund, Non-Departmental, Mobile Phones	\$ 3,015		002-1305-58020 Health Fund, IT, Buildings and Improvements		\$ 4,015	003-8005-56830 Park Fund, Non-Mandated Contingency, Contingency	\$ 10,043		003-1305-58020 Park Fund, IT, Buildings and Improvements		\$ 10,043	004-8005-56830 Road & Bridge, Non-Mandated Contingency, Contingency	\$ 16,834		004-1305-58020 Road & Bridge, IT, Buildings and Improvements		\$ 16,834	008-8005-56830 Anti-Drug, Non-Mandated Contingency, Contingency	\$ 8,260		008-1305-58020 Anti-Drug, IT, Buildings and Improvements		\$ 8,260	045-1305-55010 Assessment, IT, Regular Salaries	\$ 55,000		045-8005-56830 Assessment, Non-Mandated Contingency, Contingency	\$ 8,783		045-1305-58020 Assessment, IT, Buildings and Improvements		\$ 63,783	300-1305-55010 Park Enterprise, IT, Regular Salaries	\$25,000		300-1305-58020 Park Enterprise, IT, Buildings and Improvements		\$ 25,000
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CLEARANCE	<input type="checkbox"/> Tax Clearance Completed (Purchasing & Department) N/A <input type="checkbox"/> Business License Verified (Purchasing & Department) N/A <input checked="" type="checkbox"/> Chapter 6 Compliance - Affirmative Action/Prevailing Wage (County Auditor's Office)																																																															
ATTACHMENTS	Quotes and Scope of Services from Alexander Open Systems and a Memorandum from Mr. Ken Larson, Director of Information Technology																																																															
REVIEW	<table border="1" style="width: 100%; border-collapse: collapse;"> <tr> <td style="width: 70%;">Department Director: </td> <td style="width: 30%;">Date: 12-3-14</td> </tr> <tr> <td>Finance (Budget Approval): If applicable </td> <td>Date: 12-3-14</td> </tr> <tr> <td>Division Manager: </td> <td>Date: 12/3/14</td> </tr> <tr> <td>County Counselor's Office:</td> <td>Date:</td> </tr> </table>	Department Director: 	Date: 12-3-14	Finance (Budget Approval): If applicable 	Date: 12-3-14	Division Manager: 	Date: 12/3/14	County Counselor's Office:	Date:																																																							
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Supplemental Appropriation Request Jackson County, Missouri

Funds sufficient for this appropriation are available from the source indicated below.

Date: December 3, 2014

ORD # 4708

Department / Division	Character/Description	From	To
General Fund - 001			
2810	Undesignated Fund Balance	590,000	
1305 - Information Technology	58020 - Buildings and Improvements		590,000

Fiscal Note: Jackson County, Missouri

Funds sufficient for this transfer are available from the sources indicated below.

PC# _____

Department / Division	Character/Description	From	To
General Fund - 001			
1305 - Information Technology	55010 - Regular Salaries	164,000	
1305 - Information Technology	55060 - Insurance Benefits	7,176	
1305 - Information Technology	58020 - Buildings and Improvements		171,176
Health Fund - 002			
1305 - Information Technology	55010 - Regular Salaries	1,000	
5102 - Non-Departmental	56643 - Mobile Phone	3,015	
1305 - Information Technology	58020 - Buildings and Improvements		4,015
Park Fund - 003			
8005 - Non-Mandated Contingency	56830 - Contingency	10,043	
1305 - Information Technology	58020 - Buildings and Improvements		10,043
Special Road and Bridge Fund - 004			
8005 - Non-Mandated Contingency	56830 - Contingency	16,834	
1305 - Information Technology	58020 - Buildings and Improvements		16,834
Anti-Drug Sales Tax Fund - 008			
8005 - Non-Mandated Contingency	56830 - Contingency	8,260	
1305 Information Technology	58020 - Buildings and Improvements		8,260
Assessment Fund - 045			
1305 - Information Technology	55010 - Regular Salaries	55,000	
8005 - Non-Mandated Contingency	56830 - Contingency	8,783	
1305 - Information Technology	58020 - Buildings and Improvements		63,783
Park Enterprise Fund - 300			
1305 - Information Technology	55010 - Regular Salaries	25,000	
1305 - Information Technology	58020 - Buildings and Improvements		25,000
		889,111	889,111

Heborah S Ball 12-3-14
Budgeting



KEN LARSON

DIRECTOR OF GEOGRAPHIC INFORMATION SYSTEMS AND INFORMATION TECHNOLOGY

303 West Walnut Street
Independence, Missouri
(816) 881-4584
Fax: (816) 881-4582

Ord. 4708

415 East 12th Street, Room G-8
Kansas City, Missouri 64106
(816) 881-3155
Fax: (816) 881-3949

Ms. Barbara Casamento
Purchasing Supervisor
County of Jackson, MO
415 E 12 Street, KC, MO

RE: Entreaty to draft a Request for Legislative Action (RLA)
Attachments: Executable quotations for qualified vendors.

November, 2014

Dear Ms. Casamento:

I would like to request an RLA to advance the approval of a purchase for Network Hardware, Professional and Contractor Services for Jackson County Courthouse, Jackson County Corrections Building, and other locations in eastern Jackson County. Acquisition of these components will be sourced by a compliant Term and Supply Vendor doing business as Alexander Open Systems or AOS. The funding will be provided by transfers from multiple funds – detailed in the fiscal memorandum.

Abstract

The precipitating event for this request is the recent major failure of our tax collection system. Since this failure we have acquired and implemented procedures for early detection and fast resumption of services should there be an outage. However, the Tax Collection system depends on a reliable and fast network connection to be working all the time.

This request is for an overhaul of most of our network switches, routers, uninterruptable power supplies, chassis, and cages for both the Jackson County Courthouse and Corrections buildings that serve all employees and users in these buildings. The proposed solution will provide 2 fiber connections to each device providing failover along with upgrading a significant portion of our poor cable system. Removal and cleanup of our cable structure and power supply will provide an even distribution of network services while improving the availability and reliability for critical County applications. We will also implement network management software to improve our ability to have early detection of outages and remote programming and rebooting of network devices. Finally, we will take some of the decommissioned devices (freed up by this project) and replace obsolete network equipment in our more remote locations.

This overhaul is part of an evolution of our foundational infrastructure, which began a couple years ago with partial virtualization and server room consolidation with the Courts. Our recent upgrade of the core switch along with this project will provide improved redundancy and failover which will increase our ability to keep the network on without a major failure of service and disconnection from the outside world.

This project will be a significant step towards a reliable network to help support an ever increasing demand from critical County applications including our tax system. Additionally, work will proceed on the analysis, vetting, selection and potential procurement of an upgrade to our tax system which is struggling to operate on our current platform.

Time Frame

Completion of this project will take several months and service may suffer and get worse before it gets better. As with all such overhaul's we try to anticipate everything but often we run into new discoveries that require reworking.

Very Warm Regards,

Kenneth D. Larson
Director, of IT/GIS

Appointed Signature Authority:

Scott Jacoby
Acting Deputy Director of IT/GIS

Alexander Open Systems, Inc.

Ord. 4708

QUOTATION

Kansas City
 12980 Foster #300
 Overland Park, KS 66213
 Phone: 913-307-2300
 Fax: 913-307-2380

Wichita
 Epic Center
 301 N. Main #1850
 Wichita, KS 67202
 Phone: 316-269-1400
 Fax: 316-269-1403

Topeka
 900 Kansas Suite# 303
 Topeka, KS 66612
 Phone: 785-228-2727
 Fax: 785-228-9677

Quote No.: Q111078
 Customer ID: JACKS-002
 Date: 11/26/2014
 Sales Rep: TOMMYM
 Designer:

Please visit www.aos5.com for a complete listing of all service areas

QUOTE TO:	SHIP TO:
ACCOUNTS PAYABLE JACKSON COUNTY 415 E 12TH STREET G-8 KANSAS CITY, MO 64106 Phone: (816) 881-3375 Fax:	KEN LARSON JACKSON COUNTY 415 E 12TH STREET G-8 KANSAS CITY, MO 64106

MATERIALS ONLY

Furnish products and coordinate warranties and service agreements as specified.

CSD Contract# C062512

Cisco Ship Date as of 11/20/2014 is 14-21 days

Thank you for the opportunity to be of service.

QUANTITY	DESCRIPTION	PART NUMBER	UNIT PRICE	EXTENDED PRICE
26.00	Cisco Catalyst 3650 24 Port PoE 2x10G Uplink IP Base	WS-C3650-24PD-S	3,874.20	100,729.20
26.00	1 YR SMARTNET 8X5XNBD Cisco Catalyst 3650 24 Port PoE 2x10G	CON-SNT-WSC365PDS	316.80	8,236.80
26.00	CAT3650 Universal k9 image	S3650UK9-33SE	0.00	0.00
26.00	640W AC Config 2 Power Supply	PWR-C2-640WAC	0.00	0.00
26.00	North America AC Type A Power Cable	CAB-TA-NA	0.00	0.00
				108,966.00
28.00	Cisco Catalyst 3650 48 Port Full PoE 2x10G Uplink IP Base	WS-C3650-48FD-S	6,985.30	195,588.40
28.00	1 YR SMARTNET 8X5XNBD Cisco Catalyst 3650 48 Port Full PoE	CON-SNT-WSC365FD	571.20	15,993.60
28.00	CAT3650 Universal k9 image	S3650UK9-33SE	0.00	0.00
28.00	1025W AC Config 2 Power Supply	PWR-C2-1025WAC	0.00	0.00
28.00	North America AC Type A Power Cable	CAB-TA-NA	0.00	0.00
				211,582.00
32.00	Cisco Catalyst 3650 Stack Module Spare	C3650-STACK-KIT=	968.55	30,993.60
32.00	50CM Type 2 Stacking Cable	STACK-T2-50CM	0.00	0.00
				30,993.60
87.00	1000BASE-SX SFP transceiver module MMF 850nm DOM	GLC-SX-MMD=	293.50	25,534.50
				25,534.50
1.00	Catalyst 4500 E-Series 24-Port GE (SFP)	WS-X4724-SFP-E=	11,740.00	11,740.00
				11,740.00
36.00	Liebert GXT3, 2000 VA/1800 Watts Capacity, 120VAC in/output	GXT3-2000RT120	1,210.00	43,560.00
36.00	Ext Batt Cabinet GXT3-500 to GXT3-2000	GXT3-48VBATT	394.71	14,209.56
36.00	Liebert Intellislot Web Card	IS-WEBCARD	281.47	10,132.92
36.00	PAP for UPS with Start-Up	PAPGXT-1K3K	980.94	35,313.84
36.00	LIEBERT POWER ASSURANCE PKY BATT	PAPGXT-BATT	721.47	25,972.92

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QUOTATION

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Topeka

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Fax: 785-228-9677

Quote No.: Q111078
Customer ID: JACKS-002
Date: 11/26/2014
Sales Rep: TOMMYM
Designer:

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72.00	Liebert GXT3 Rail Kit	RMKIT18-32	68.00	4,896.00
36.00	Liebert Wall Mount Swing Rack 24x24	202637G2	560.35	20,172.60
			154,257.84	
1.00	Subcontractor Cabling Corrections 1st Flr	SUBCONTRACTOR	9,041.00	9,041.00
1.00	Subcontractor Cabling Corrections Grnd Flr	SUBCONTRACTOR	8,165.00	8,165.00
1.00	Subcontractor Cabling Corrections 3rd Flr	SUBCONTRACTOR	7,000.00	7,000.00
1.00	Subcontractor Cabling Corrections 4th Flr	SUBCONTRACTOR	4,812.00	4,812.00
1.00	Subcontractor Cabling Corrections 5th Flr	SUBCONTRACTOR	5,400.00	5,400.00
1.00	Subcontractor Cabling JCDC Upper Annex	SUBCONTRACTOR	4,777.00	4,777.00
1.00	Subcontractor Cabling JCDC 1st Floor Admin	SUBCONTRACTOR	9,706.00	9,706.00
1.00	Subcontractor Cabling JCDC 2nd Flr Medical	SUBCONTRACTOR	5,971.00	5,971.00
1.00	Subcontractor Cabling JCDC Ground Floor	SUBCONTRACTOR	6,600.00	6,600.00
1.00	Subcontractor Cabling JCDC Annex Transportation	SUBCONTRACTOR	8,836.00	8,836.00
1.00	Subcontractor Cabling JCDC Annex Loading Dock	SUBCONTRACTOR	4,765.00	4,765.00
1.00	Subcontractor Cabling JCDC 3rd Flr	SUBCONTRACTOR	4,959.00	4,959.00
1.00	Subcontractor Cabling JCDC 4th Flr	SUBCONTRACTOR	4,912.00	4,912.00
1.00	Subcontractor Cabling JCDC 5th Flr	SUBCONTRACTOR	7,565.00	7,565.00
1.00	Subcontractor Cabling JCDC 6th Flr	SUBCONTRACTOR	5,683.00	5,683.00
1.00	Subcontractor Cabling Warrant Office Grnd Flr	SUBCONTRACTOR	5,941.00	5,941.00
1.00	Subcontractor Cabling Assessment 2 1st Flr Mezz	SUBCONTRACTOR	8,176.00	8,176.00
1.00	Subcontractor Cabling Clerk 2nd Flr	SUBCONTRACTOR	9,041.00	9,041.00
1.00	Subcontractor Cabling Finance 1st Flr	SUBCONTRACTOR	6,836.00	6,836.00
1.00	Subcontractor Cabling Collections 1 1st Flr	SUBCONTRACTOR	7,318.00	7,318.00
1.00	Subcontractor Cabling Executive Office 1 2nd Flr	SUBCONTRACTOR	8,165.00	8,165.00
1.00	Subcontractor Cabling Executive Office 2 2nd Flr	SUBCONTRACTOR	5,971.00	5,971.00
1.00	Subcontractor Cabling Collections 2 1st Flr	SUBCONTRACTOR	8,376.00	8,376.00
1.00	Subcontractor Cabling Facility 3rd Flr Mezz	SUBCONTRACTOR	4,736.00	4,736.00
1.00	Subcontractor Cabling Public Admin 4th Flr	SUBCONTRACTOR	4,818.00	4,818.00
1.00	Subcontractor Cabling Assessment 1 1st Flr Mezz	SUBCONTRACTOR	9,400.00	9,400.00
1.00	Subcontractor Cabling Human Resources & Records	SUBCONTRACTOR	8,618.00	8,618.00
1.00	Subcontractor Cabling Prosecutors 1 7th Flr Mezz	SUBCONTRACTOR	7,094.00	7,094.00
1.00	Subcontractor Cabling Public Admin 4th Flr Mezz	SUBCONTRACTOR	6,006.00	6,006.00
1.00	Subcontractor Cabling Prosecutors 2 7th Flr Mezz	SUBCONTRACTOR	6,412.00	6,412.00
1.00	Subcontractor Cabling Prosecutors 3 10th Flr	SUBCONTRACTOR	6,853.00	6,853.00
1.00	Subcontractor Cabling Prosecutors 4 11th Flr	SUBCONTRACTOR	8,994.00	8,994.00
1.00	Subcontractor Cabling MDF Ground Flr	SUBCONTRACTOR	15,706.00	15,706.00
1.00	Patch Panels 415 E 12th Street	SUBCONTRACTOR	8,917.65	8,917.65
1.00	Patch Panels Corrections 13th & Locust Patch Panels	SUBCONTRACTOR	6,352.94	6,352.94
1.00	Subcontractor Cabling Parks Administration	SUBCONTRACTOR	4,500.00	4,500.00

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Designer:

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1.00	Subcontractor Cabling Parks Annex	SUBCONTRACTOR	4,500.00	4,500.00
				260,923.59
87.00	2M DUPLEX MMF CABLE LC/LC 50/125 FIBER OPTIC	N520-02M	45.00	3,915.00
				3,915.00
Remote Site Routers				
11.00	Cisco 2911 w/3 GE,4 EHWIC,2 DSP,1 SM,256MB CF,512MB DRAM,IPB	CISCO2911/K9	1,590.05	17,490.55
11.00	1 YR SMARTNET 8X5XNBD Cisco 2911 w/3 GE,4	CON-SNT-2911	352.00	3,872.00
11.00	Cisco 2911 AC Power Supply	PWR-2911-AC	0.00	0.00
11.00	AC Power Cord (North America), C13, NEMA 5-15P, 2.1m	CAB-AC	0.00	0.00
11.00	Cisco Config Pro Express on Router Flash	ISR-CCP-EXP	0.00	0.00
11.00	IP Base License for Cisco 2901-2951	SL-29-IPB-K9	0.00	0.00
11.00	256MB Compact Flash for Cisco 1900, 2900, 3900 ISR	MEM-CF-256MB	0.00	0.00
11.00	Removable faceplate for SM slot on Cisco 2900,3900,4400 ISR	SM-S-BLANK	0.00	0.00
11.00	512MB DRAM for Cisco 2901-2921 ISR (Default)	MEM-2900-512MB-DEF	0.00	0.00
11.00	Cisco 2901-2921 IOS UNIVERSAL	S29UK9-15403M	0.00	0.00
				21,362.55
1.00	UCS-E SingleWide 4Cor CPU 2x8GB SD 1x8GB UDIMM 1-2 HDD	UCS-E140S-M2/K9=	0.00	0.00
1.00	1 YR SMARTNET 8X5XNBD UCS-ESingleWide4Cor CPU2x8GB SD1x8GB	CON-SNT-UCSE14M2	0.00	0.00
2.00	1 TB SATA hard disk drive for SingleWide UCS-E	E100S-HDD-SATA1T	0.00	0.00
1.00	8 GB SD Card for SingleWide and DoubleWide UCS-E	E100-SD-8G	0.00	0.00
1.00	8GB 1333MHz VLP UDIMM/PC3-10600 2R for SinglWde UCS-E	E100S-MEM-UDIMM8G	0.00	0.00
Wireless				
1.00	Primary SKU for all upgrade options on the Cisco 5508 WC	LIC-CT5508-UPG	0.00	0.00
1.00	1 YR SMARTNET 24X7X4 Primary SKU	CON-SNTP-LCTUPG	0.00	0.00
1.00	25 AP Adder License for the 5508 Controller	LIC-CT5508-25A	7,334.57	7,334.57
1.00	1 YR SMARTNET 24X7X4 25 AP Adder License for the 5508	CON-SNTP-LCT25A	2,078.40	2,078.40
				9,412.97
32.00	802.11ac CAP w/CleanAir; 3x4:3SS; Int Ant; A Reg Domain	AIR-CAP2702I-A-K9	642.77	20,568.48
32.00	802.11n AP Low Profile Mounting Bracket (Default)	AIR-AP-BRACKET-1	0.00	0.00
32.00	Cisco 2700 Series Combined Unified and Autonomous (xxxxx) SW	SWAP2700-CMB-A1-K9	0.00	0.00
32.00	Ceiling Grid Clip for Aironet APs - Recessed Mount (Default)	AIR-AP-T-RAIL-R	0.00	0.00
				20,568.48
1.00	Upgrade Options for 2504 WLAN Controller	LIC-CT2504-UPG	0.00	0.00
1.00	1 YR SMARTNET 24X7X4 Upgrade Options for 2504 WLAN Controlle	CON-SNTP-LCT25UP	0.00	0.00
1.00	25 AP Adder Licenses for 2504 WLAN Controller	LIC-CT2504-25A	3,812.57	3,812.57
1.00	1 YR SMARTNET 24X7X4 25 AP Adder Licenses for 2504 WLAN Cont	CON-SNTP-LCT2525A	1,081.60	1,081.60
1.00	2504 Wireless Controller DTLS License	LIC-CT25-DTLS-K9	0.00	0.00
				4,894.17
1.00	Cisco Prime Infrastructure 1.2	R-PI12-K9	0.00	0.00

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1.00	1 YR SWSS UPGRADES NULL SKU-No line item services included	CON-ECMU-PI12K9B	0.00	0.00
1.00	Prime Infrastructure 1.2 Base License and Software	R-PI12-BASE-K9	0.00	0.00
1.00	1 YR SWSS UPGRADES NULL SKU-No line item services included	CON-ECMU-PI12BASE	0.00	0.00
1.00	Prime Infrastructure 1.2 - Lifecycle - 100 Device Lic	L-PI12-LF-100	5,280.07	5,280.07
1.00	1 YR SWSS UPGRADES PI 1.2 - Lifecycle - 100 Device Lic	CON-ECMU-PI12LF1M	1,439.20	1,439.20
1.00	Prime Infrastructure 1.2 - Lifecycle - 100 Device Lic PAK	L-PI12-LF-100-LIC	0.00	0.00
1.00	Prime Infrastructure LMS 4.2 - 100 Device Base Lic	L-PILMS42-100	0.00	0.00
			6,719.27	

AOS Professional Services

1.00	Installation and Configuration per Scope of Work	FIXED FEE	54,335.00	54,335.00
1.00	AOS Services for VMware Assessment	FIXED FEE	5,100.00	5,100.00
			59,435.00	
-1.00	AOS Executive Discount	DISCOUNT - CISCO NEW	50,000.00	-50,000.00
			-50,000.00	

Merchandise Total	880,304.97
Shipping	8,803.05
Document Total	\$889,108.02

Above quoted pricing is valid for 30 days.

Quoted pricing does not include sales tax. Sales tax, if applicable, will be charged on final invoice. All taxable items will be charged appropriate tax rates based on end users jurisdiction. If customer is tax exempt, a valid tax exemption permit must be on file with AOS at the time of billing.

Total solution financing is available. Ask your account manager how you can avoid upfront cost and pay for your solution over time.*

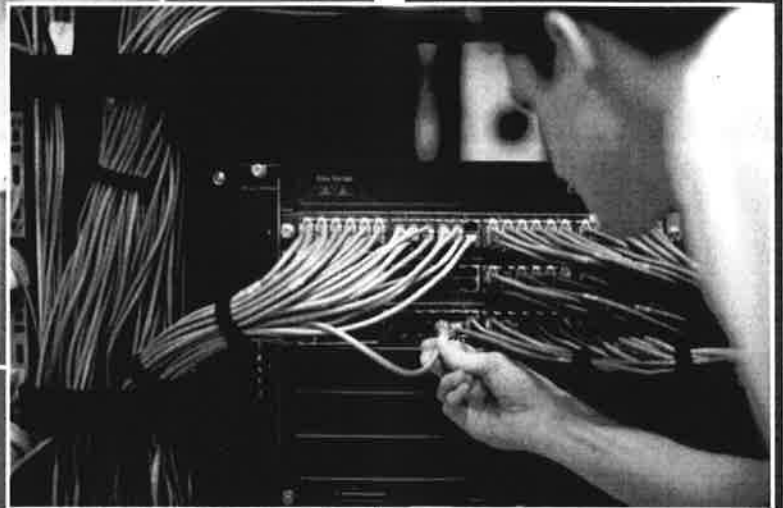
**Restrictions apply. Subject to credit approval and documentation.*

Customer signature constitutes agreement with all AOS Terms and Conditions, which may be found at <http://www.aos5.com/terms> in addition to any addendums shown on this quote.

Customer Signature _____

Date _____

Ord. 4708



DOWNTOWN NETWORK CLEANUP

*Clean up Closet
cabling for Jackson
County, Missouri*

Account Manager: Tommy Messersmith

Design Architect: Mark Smalley

Date: November 20, 2014

AOS

Expect the Best!



CISCO

Statement of Work

This Statement of Work covers professional services work AOS will perform for Jackson County Missouri. Beginning on a mutually agreed upon date, AOS will provide one or more qualified technical consultants and/or Project Management personnel on a “fixed fee” basis to configure and install a Cisco Unified Communications Solution for Jackson County Missouri in Kansas City, Missouri.

AOS will consider additional work not explicitly stated in this Statement of Work as “out-of-scope” and will require a “change order”.

Summary

Jackson County Missouri has requested assistance in cleaning up and securing network closets. AOS or authorized agents will provide the following:

- Provide labor, cable, connectivity, consumables, submittals, testing and supervision as required to provide a complete and functioning system.
- Provide a RCDD to manage and oversee the project.
- Provide BICSI certified technicians to perform the installation.
- Provide IBEW LU 124 Technicians to perform the installation.
- All work proposed to be performed on shift time.

Scope and Approach

Experienced AOS personnel, or authorized agents, will perform the following implementation tasks:

Corrections 1st Floor

- Provide Labor only to relocate an estimated (72) Cat 5/6 cables from existing patch panels located in existing rack/wall to new Liebert cabinet.
- Provide Labor only to re-terminate (72) Cat 5/6 cables on the existing relocated patch panels.
- Provide Labor to install (1) Liebert “cube” cabinet w/ necessary backing to support the cabinet weight.
- Provide Labor and Material to install necessary horizontal wire managers.
- Provide Labor and Material to install and estimated (72) Cat 5/6 patch cords.
- Provide Labor & Material to install (1) 6 strand MM OM3 armored fiber with connectors to MDF.
- Provide Labor & Material to install (1) 1-U rack mount fiber enclosure.
- Terminate, spot test and label.

Corrections Ground Floor

- Provide Labor only to relocate an estimated (48) Cat 5/6 cables from existing patch panels located in existing rack/wall to new Liebert cabinet.
- Provide Labor only to re-terminate (48) Cat 5/6 cables on the existing relocated patch panels.
- Provide Labor to install (1) Liebert "cube" cabinet w/ necessary backing to support the cabinet weight.
- Provide Labor and Material to install necessary horizontal wire managers.
- Provide Labor and Material to install and estimated (48) Cat 5/6 patch cords.
- Provide Labor & Material to install (1) 6 strand MM OM3 armored fiber with connectors to MDF.
- Provide Labor & Material to install (1) 1-U rack mount fiber enclosure.
- Terminate, spot test and label.

Corrections 3rd Floor

- Provide Labor only to relocate an estimated (14) Cat 5/6 cables from existing patch panels located in existing rack/wall to new Liebert cabinet.
- Provide Labor only to re-terminate (14) Cat 5/6 cables on the existing relocated patch panels.
- Provide Labor to install (1) Liebert "cube" cabinet w/ necessary backing to support the cabinet weight.
- Provide Labor and Material to install necessary horizontal wire managers.
- Provide Labor and Material to install and estimated (14) Cat 5/6 patch cords.
- Provide Labor & Material to install (1) 6 strand MM OM3 armored fiber with connectors to MDF.
- Provide Labor & Material to install (1) 1-U rack mount fiber enclosure.
- Terminate, spot test and label.

Corrections 4th Floor

- Provide Labor only to relocate an estimated (4) Cat 5/6 cables from existing patch panels located in existing rack/wall to new Liebert cabinet.
- Provide Labor only to re-terminate (4) Cat 5/6 cables on the existing relocated patch panels.
- Provide Labor to install (1) Liebert "cube" cabinet w/ necessary backing to support the cabinet weight.
- Provide Labor and Material to install necessary horizontal wire managers.
- Provide Labor and Material to install and estimated (4) Cat 5/6 patch cords.
- Provide Labor & Material to install (1) 6 strand MM OM3 armored fiber with connectors to MDF.
- Provide Labor & Material to install (1) 1-U rack mount fiber enclosure.
- Terminate, spot test and label.

Corrections 5th Floor

- Provide Labor only to relocate an estimated (23) Cat 5/6 cables from existing patch panels located in existing rack/wall to new Liebert cabinet.
- Provide Labor only to re-terminate (23) Cat 5/6 cables on the existing relocated patch panels.

- Provide Labor to install (1) Liebert "cube" cabinet w/ necessary backing to support the cabinet weight.
- Provide Labor and Material to install necessary horizontal wire managers.
- Provide Labor and Material to install and estimated (23) Cat 5/6 patch cords.
- Provide Labor & Material to install (1) 6 strand MM OM3 armored fiber with connectors to MDF.
- Provide Labor & Material to install (1) 1-U rack mount fiber enclosure.
- Terminate, spot test and label.

JCDC Upper Annex

- Provide Labor only to relocate an estimated (17) Cat 5/6 cables from existing patch panels located in existing rack/wall to new Liebert cabinet.
- Provide Labor only to re-terminate (17) Cat 5/6 cables on the existing relocated patch panels.
- Provide Labor to install (1) Liebert "cube" cabinet w/ necessary backing to support the cabinet weight.
- Provide Labor and Material to install necessary horizontal wire managers.
- Provide Labor and Material to install and estimated (17) Cat 5/6 patch cords.
- Provide Labor & Material to install (1) 6 strand MM OM3 armored fiber with connectors to MDF.
- Provide Labor & Material to install (1) 1-U rack mount fiber enclosure.
- Terminate, spot test and label.

JCDC 1st Floor Admin

- Provide Labor only to relocate an estimated (100) Cat 5/6 cables from existing patch panels located in existing rack/wall to new Liebert cabinet.
- Provide Labor only to re-terminate (100) Cat 5/6 cables on the existing relocated patch panels.
- Provide Labor to install (1) Liebert "cube" cabinet w/ necessary backing to support the cabinet weight.
- Provide Labor and Material to install necessary horizontal wire managers.
- Provide Labor and Material to install and estimated (100) Cat 5/6 patch cords.
- Provide Labor & Material to install (1) 6 strand MM OM3 armored fiber with connectors to MDF.
- Provide Labor & Material to install (1) 1-U rack mount fiber enclosure.
- Terminate, spot test and label.

JCDC 2nd Floor Medical

- Provide Labor only to relocate an estimated (31) Cat 5/6 cables from existing patch panels located in existing rack/wall to new Liebert cabinet.
- Provide Labor only to re-terminate (31) Cat 5/6 cables on the existing relocated patch panels.
- Provide Labor to install (1) Liebert "cube" cabinet w/ necessary backing to support the cabinet weight.
- Provide Labor and Material to install necessary horizontal wire managers.

- Provide Labor and Material to install and estimated (31) Cat 5/6 patch cords.
- Provide Labor & Material to install (1) 6 strand MM OM3 armored fiber with connectors to MDF.
- Provide Labor & Material to install (1) 1-U rack mount fiber enclosure.
- Terminate, spot test and label.

JCDC Ground Floor

- Provide Labor only to relocate an estimated (54) Cat 5/6 cables from existing patch panels located in existing rack/wall to new Liebert cabinet.
- Provide Labor only to re-terminate (54) Cat 5/6 cables on the existing relocated patch panels.
- Provide Labor to install (1) Liebert "cube" cabinet w/ necessary backing to support the cabinet weight.
- Provide Labor and Material to install necessary horizontal wire managers.
- Provide Labor and Material to install and estimated (54) Cat 5/6 patch cords.
- Provide Labor & Material to install (1) 6 strand MM OM3 armored fiber with connectors to MDF.
- Provide Labor & Material to install (1) 1-U rack mount fiber enclosure.
- Terminate, spot test and label.

JCDC Annex Transportation

- Provide Labor only to relocate an estimated (93) Cat 5/6 cables from existing patch panels located in existing rack/wall to new Liebert cabinet.
- Provide Labor only to re-terminate (93) Cat 5/6 cables on the existing relocated patch panels.
- Provide Labor to install (1) Liebert "cube" cabinet w/ necessary backing to support the cabinet weight.
- Provide Labor and Material to install necessary horizontal wire managers.
- Provide Labor and Material to install and estimated (93) Cat 5/6 patch cords.
- Provide Labor & Material to install (1) 6 strand MM OM3 armored fiber with connectors to MDF.
- Provide Labor & Material to install (1) 1-U rack mount fiber enclosure.
- Terminate, spot test and label.

JCDC Annex Loading Dock

- Provide Labor only to relocate an estimated (18) Cat 5/6 cables from existing patch panels located in existing rack/wall to new Liebert cabinet.
- Provide Labor only to re-terminate (18) Cat 5/6 cables on the existing relocated patch panels.
- Provide Labor to install (1) Liebert "cube" cabinet w/ necessary backing to support the cabinet weight.
- Provide Labor and Material to install necessary horizontal wire managers.
- Provide Labor and Material to install and estimated (18) Cat 5/6 patch cords.
- Provide Labor & Material to install (1) 6 strand MM OM3 armored fiber with connectors to MDF.
- Provide Labor & Material to install (1) 1-U rack mount fiber enclosure.

- Terminate, spot test and label.

JCDC 3rd Floor

- Provide Labor only to relocate an estimated (9) Cat 5/6 cables from existing patch panels located in existing rack/wall to new Liebert cabinet.
- Provide Labor only to re-terminate (9) Cat 5/6 cables on the existing relocated patch panels.
- Provide Labor to install (1) Liebert "cube" cabinet w/ necessary backing to support the cabinet weight.
- Provide Labor and Material to install necessary horizontal wire managers.
- Provide Labor and Material to install and estimated (9) Cat 5/6 patch cords.
- Provide Labor & Material to install (1) 6 strand MM OM3 armored fiber with connectors to MDF.
- Provide Labor & Material to install (1) 1-U rack mount fiber enclosure.
- Terminate, spot test and label.

JCDC 4th Floor

- Provide Labor only to relocate an estimated (6) Cat 5/6 cables from existing patch panels located in existing rack/wall to new Liebert cabinet.
- Provide Labor only to re-terminate (6) Cat 5/6 cables on the existing relocated patch panels.
- Provide Labor to install (1) Liebert "cube" cabinet w/ necessary backing to support the cabinet weight.
- Provide Labor and Material to install necessary horizontal wire managers.
- Provide Labor and Material to install and estimated (6) Cat 5/6 patch cords.
- Provide Labor & Material to install (1) 6 strand MM OM3 armored fiber with connectors to MDF.
- Provide Labor & Material to install (1) 1-U rack mount fiber enclosure.
- Terminate, spot test and label.

JCDC 5th Floor

- Provide Labor only to relocate an estimated (49) Cat 5/6 cables from existing patch panels located in existing rack/wall to new Liebert cabinet.
- Provide Labor only to re-terminate (49) Cat 5/6 cables on the existing relocated patch panels.
- Provide Labor to install (1) Liebert "cube" cabinet w/ necessary backing to support the cabinet weight.
- Provide Labor and Material to install necessary horizontal wire managers.
- Provide Labor and Material to install and estimated (49) Cat 5/6 patch cords.
- Provide Labor & Material to install (1) 6 strand MM OM3 armored fiber with connectors to MDF.
- Provide Labor & Material to install (1) 1-U rack mount fiber enclosure.
- Terminate, spot test and label.

JCDC 6th Floor

- Provide Labor only to relocate an estimated (13) Cat 5/6 cables from existing patch panels located in existing rack/wall to new Liebert cabinet.
- Provide Labor only to re-terminate (13) Cat 5/6 cables on the existing relocated patch panels.
- Provide Labor to install (1) Liebert "cube" cabinet w/ necessary backing to support the cabinet weight.
- Provide Labor and Material to install necessary horizontal wire managers.
- Provide Labor and Material to install and estimated (13) Cat 5/6 patch cords.
- Provide Labor & Material to install (1) 6 strand MM OM3 armored fiber with connectors to MDF.
- Provide Labor & Material to install (1) 1-U rack mount fiber enclosure.
- Terminate, spot test and label.

Warrant Office Ground Floor

- Provide Labor only to relocate an estimated (29) Cat 5/6 cables from existing patch panels located in existing rack/wall to new Liebert cabinet.
- Provide Labor only to re-terminate (29) Cat 5/6 cables on the existing relocated patch panels.
- Provide Labor to install (1) Liebert "cube" cabinet w/ necessary backing to support the cabinet weight.
- Provide Labor and Material to install necessary horizontal wire managers.
- Provide Labor and Material to install and estimated (29) Cat 5/6 patch cords.
- Provide Labor & Material to install (1) 6 strand MM OM3 armored fiber with connectors to MDF.
- Provide Labor & Material to install (1) 1-U rack mount fiber enclosure.
- Terminate, spot test and label.

Finance 1st Floor

- Provide Labor only to relocate an estimated (52) Cat 5/6 cables from existing patch panels located in existing rack/wall to new Liebert cabinet.
- Provide Labor only to re-terminate (52) Cat 5/6 cables on the existing relocated patch panels.
- Provide Labor to install (1) Liebert "cube" cabinet w/ necessary backing to support the cabinet weight.
- Provide Labor and Material to install necessary horizontal wire managers.
- Provide Labor and Material to install and estimated (52) Cat 5/6 patch cords.
- Provide Labor & Material to install (1) 6 strand MM OM3 armored fiber with connectors to MDF.
- Provide Labor & Material to install (1) 1-U rack mount fiber enclosure.
- Terminate, spot test and label.

Collections 1 1st Floor

- Provide Labor only to relocate an estimated (39) Cat 5/6 cables from existing patch panels located in existing rack/wall to new Liebert cabinet.
- Provide Labor only to re-terminate (39) Cat 5/6 cables on the existing relocated patch panels.

- Provide Labor to install (1) Liebert "cube" cabinet w/ necessary backing to support the cabinet weight.
- Provide Labor and Material to install necessary horizontal wire managers.
- Provide Labor and Material to install and estimated (39) Cat 5/6 patch cords.
- Provide Labor & Material to install (1) 6 strand MM OM3 armored fiber with connectors to MDF.
- Provide Labor & Material to install (1) 1-U rack mount fiber enclosure.
- Terminate, spot test and label.

Collections 2 1st Floor

- Provide Labor only to relocate an estimated (58) Cat 5/6 cables from existing patch panels located in existing rack/wall to new Liebert cabinet.
- Provide Labor only to re-terminate (58) Cat 5/6 cables on the existing relocated patch panels.
- Provide Labor to install (1) Liebert "cube" cabinet w/ necessary backing to support the cabinet weight.
- Provide Labor and Material to install necessary horizontal wire managers.
- Provide Labor and Material to install and estimated (58) Cat 5/6 patch cords.
- Provide Labor & Material to install (1) 6 strand MM OM3 armored fiber with connectors to MDF.
- Provide Labor & Material to install (1) 1-U rack mount fiber enclosure.
- Terminate, spot test and label.

Human Resources & Records

- Provide Labor only to relocate an estimated (62) Cat 5/6 cables from existing patch panels located in existing rack/wall to new Liebert cabinet.
- Provide Labor only to re-terminate (62) Cat 5/6 cables on the existing relocated patch panels.
- Provide Labor to install (1) Liebert "cube" cabinet w/ necessary backing to support the cabinet weight.
- Provide Labor and Material to install necessary horizontal wire managers.
- Provide Labor and Material to install and estimated (62) Cat 5/6 patch cords.
- Provide Labor & Material to install (1) 6 strand MM OM3 armored fiber with connectors to MDF.
- Provide Labor & Material to install (1) 1-U rack mount fiber enclosure.
- Terminate, spot test and label.

Assessment 1 1st Floor Mezzanine

- Provide Labor only to relocate an estimated (69) Cat 5/6 cables from existing patch panels located in existing rack/wall to new Liebert cabinet.
- Provide Labor only to re-terminate (69) Cat 5/6 cables on the existing relocated patch panels.
- Provide Labor to install (1) Liebert "cube" cabinet w/ necessary backing to support the cabinet weight.
- Provide Labor and Material to install necessary horizontal wire managers.
- Provide Labor and Material to install and estimated (69) Cat 5/6 patch cords.

- Provide Labor & Material to install (1) 6 strand MM OM3 armored fiber with connectors to MDF.
- Provide Labor & Material to install (1) 1-U rack mount fiber enclosure.
- Terminate, spot test and label.

Assessment 2 1st Floor Mezzanine

- Provide Labor only to relocate an estimated (32) Cat 5/6 cables from existing patch panels located in existing rack/wall to new Liebert cabinet.
- Provide Labor only to re-terminate (32) Cat 5/6 cables on the existing relocated patch panels.
- Provide Labor to install (1) Liebert "cube" cabinet w/ necessary backing to support the cabinet weight.
- Provide Labor and Material to install necessary horizontal wire managers.
- Provide Labor and Material to install and estimated (32) Cat 5/6 patch cords.
- Provide Labor & Material to install (1) 6 strand MM OM3 armored fiber with connectors to MDF.
- Provide Labor & Material to install (1) 1-U rack mount fiber enclosure.
- Terminate, spot test and label.

Clerk 2nd Floor

- Provide Labor only to relocate an estimated (67) Cat 5/6 cables from existing patch panels located in existing rack/wall to new Liebert cabinet.
- Provide Labor only to re-terminate (67) Cat 5/6 cables on the existing relocated patch panels.
- Provide Labor to install (1) Liebert "cube" cabinet w/ necessary backing to support the cabinet weight.
- Provide Labor and Material to install necessary horizontal wire managers.
- Provide Labor and Material to install and estimated (67) Cat 5/6 patch cords.
- Provide Labor & Material to install (1) 6 strand MM OM3 armored fiber with connectors to MDF.
- Provide Labor & Material to install (1) 1-U rack mount fiber enclosure.
- Terminate, spot test and label.

Executive Office 1 2nd Floor

- Provide Labor only to relocate an estimated (47) Cat 5/6 cables from existing patch panels located in existing rack/wall to new Liebert cabinet.
- Provide Labor only to re-terminate (47) Cat 5/6 cables on the existing relocated patch panels.
- Provide Labor to install (1) Liebert "cube" cabinet w/ necessary backing to support the cabinet weight.
- Provide Labor and Material to install necessary horizontal wire managers.
- Provide Labor and Material to install and estimated (47) Cat 5/6 patch cords.
- Provide Labor & Material to install (1) 6 strand MM OM3 armored fiber with connectors to MDF.
- Provide Labor & Material to install (1) 1-U rack mount fiber enclosure.
- Terminate, spot test and label.

Executive Office 2 2nd Floor

- Provide Labor only to relocate an estimated (31) Cat 5/6 cables from existing patch panels located in existing rack/wall to new Liebert cabinet.
- Provide Labor only to re-terminate (31) Cat 5/6 cables on the existing relocated patch panels.
- Provide Labor to install (1) Liebert "cube" cabinet w/ necessary backing to support the cabinet weight.
- Provide Labor and Material to install necessary horizontal wire managers.
- Provide Labor and Material to install and estimated (31) Cat 5/6 patch cords.
- Provide Labor & Material to install (1) 6 strand MM OM3 armored fiber with connectors to MDF.
- Provide Labor & Material to install (1) 1-U rack mount fiber enclosure.
- Terminate, spot test and label.

Facility 3rd Floor Mezzanine

- Provide Labor only to relocate an estimated (16) Cat 5/6 cables from existing patch panels located in existing rack/wall to new Liebert cabinet.
- Provide Labor only to re-terminate (16) Cat 5/6 cables on the existing relocated patch panels.
- Provide Labor to install (1) Liebert "cube" cabinet w/ necessary backing to support the cabinet weight.
- Provide Labor and Material to install necessary horizontal wire managers.
- Provide Labor and Material to install and estimated (16) Cat 5/6 patch cords.
- Provide Labor & Material to install (1) 6 strand MM OM3 armored fiber with connectors to MDF.
- Provide Labor & Material to install (1) 1-U rack mount fiber enclosure.
- Terminate, spot test and label.

Public Admen 4th Floor

- Provide Labor only to relocate an estimated (19) Cat 5/6 cables from existing patch panels located in existing rack/wall to new Liebert cabinet.
- Provide Labor only to re-terminate (19) Cat 5/6 cables on the existing relocated patch panels.
- Provide Labor to install (1) Liebert "cube" cabinet w/ necessary backing to support the cabinet weight.
- Provide Labor and Material to install necessary horizontal wire managers.
- Provide Labor and Material to install and estimated (19) Cat 5/6 patch cords.
- Provide Labor & Material to install (1) 6 strand MM OM3 armored fiber with connectors to MDF.
- Provide Labor & Material to install (1) 1-U rack mount fiber enclosure.
- Terminate, spot test and label.

Public Admen 4th Floor Mezzanine

- Provide Labor only to relocate an estimated (31) Cat 5/6 cables from existing patch panels located in existing rack/wall to new Liebert cabinet.
- Provide Labor only to re-terminate (31) Cat 5/6 cables on the existing relocated patch panels.

- Provide Labor to install (1) Liebert "cube" cabinet w/ necessary backing to support the cabinet weight.
- Provide Labor and Material to install necessary horizontal wire managers.
- Provide Labor and Material to install and estimated (31) Cat 5/6 patch cords.
- Provide Labor & Material to install (1) 6 strand MM OM3 armored fiber with connectors to MDF.
- Provide Labor & Material to install (1) 1-U rack mount fiber enclosure.
- Terminate, spot test and label.

Prosecutors 1 7th Floor Mezzanine

- Provide Labor only to relocate an estimated (52) Cat 5/6 cables from existing patch panels located in existing rack/wall to new Liebert cabinet.
- Provide Labor only to re-terminate (52) Cat 5/6 cables on the existing relocated patch panels.
- Provide Labor to install (1) Liebert "cube" cabinet w/ necessary backing to support the cabinet weight.
- Provide Labor and Material to install necessary horizontal wire managers.
- Provide Labor and Material to install and estimated (52) Cat 5/6 patch cords.
- Provide Labor & Material to install (1) 6 strand MM OM3 armored fiber with connectors to MDF.
- Provide Labor & Material to install (1) 1-U rack mount fiber enclosure.
- Terminate, spot test and label.

Prosecutors 2 7th Floor Mezzanine

- Provide Labor only to relocate an estimated (30) Cat 5/6 cables from existing patch panels located in existing rack/wall to new Liebert cabinet.
- Provide Labor only to re-terminate (30) Cat 5/6 cables on the existing relocated patch panels.
- Provide Labor to install (1) Liebert "cube" cabinet w/ necessary backing to support the cabinet weight.
- Provide Labor and Material to install necessary horizontal wire managers.
- Provide Labor and Material to install and estimated (30) Cat 5/6 patch cords.
- Provide Labor & Material to install (1) 6 strand MM OM3 armored fiber with connectors to MDF.
- Provide Labor & Material to install (1) 1-U rack mount fiber enclosure.
- Terminate, spot test and label.

Prosecutors 3 10th Floor

- Provide Labor only to relocate an estimated (54) Cat 5/6 cables from existing patch panels located in existing rack/wall to new Liebert cabinet.
- Provide Labor only to re-terminate (54) Cat 5/6 cables on the existing relocated patch panels.
- Provide Labor to install (1) Liebert "cube" cabinet w/ necessary backing to support the cabinet weight.
- Provide Labor and Material to install necessary horizontal wire managers.
- Provide Labor and Material to install and estimated (54) Cat 5/6 patch cords.

- Provide Labor & Material to install (1) 6 strand MM OM3 armored fiber with connectors to MDF.
- Provide Labor & Material to install (1) 1-U rack mount fiber enclosure.
- Terminate, spot test and label.

Prosecutors 4 11th Floor

- Provide Labor only to relocate an estimated (68) Cat 5/6 cables from existing patch panels located in existing rack/wall to new Liebert cabinet.
- Provide Labor only to re-terminate (68) Cat 5/6 cables on the existing relocated patch panels.
- Provide Labor to install (1) Liebert "cube" cabinet w/ necessary backing to support the cabinet weight.
- Provide Labor and Material to install necessary horizontal wire managers.
- Provide Labor and Material to install and estimated (68) Cat 5/6 patch cords.
- Provide Labor & Material to install (1) 6 strand MM OM3 armored fiber with connectors to MDF.
- Provide Labor & Material to install (1) 1-U rack mount fiber enclosure.
- Terminate, spot test and label.

MDF Ground Floor Cabling Infrastructure

- Provide Labor only to relocate an estimated (156) Cat 5/6 cables from existing patch panels located in existing rack/wall to existing APC rack.
- Provide Labor only to re-terminate (156) Cat 5/6 cables on the existing relocated patch panels.
- Provide Labor and Material to install necessary horizontal wire managers.
- Provide Labor and Material to install and estimated (156) Cat 5/6 patch cords.
- Provide Labor & Material to install (1) 6 strand MM OM3 armored fiber with connectors to MDF.
- Provide Labor & Material to install (1) 1-U rack mount fiber enclosure.
- Terminate, spot test and label.

Parks Administration

- Provide Labor only to relocate an estimated (53) Cat 5/6 cables from existing patch panels located in existing rack/wall to new Liebert Cabinet
- Provide Labor only to re-terminate (53) Cat 5/6 cables on the existing relocated patch panels.
- Provide Labor to install (1) Liebert "cube" cabinet w/ necessary backing to support the cabinet weight.
- Provide Labor and Material to install necessary horizontal wire managers.
- Provide Labor and Material to install and estimated (53) Cat 5/6 patch cords.
- Terminate, spot test and label.

Parks Annex

- Provide Labor only to relocate an estimated (24) Cat 5/6 cables from existing patch panels located in existing rack/wall to new Liebert Cabinet
- Provide Labor only to re-terminate (24) Cat 5/6 cables on the existing relocated patch panels.

- Provide Labor to install (1) Liebert "cube" cabinet w/ necessary backing to support the cabinet weight.
- Provide Labor and Material to install necessary horizontal wire managers.
- Provide Labor and Material to install and estimated (53) Cat 5/6 patch cords.
- Terminate, spot test and label.

Contacts and Resources

AOS will perform work at the following location(s):

Location	Contact
Kansas City, Missouri	Ken Larson

Project Contacts

Name	Position/Company	Project Role
Ken Larson klarson@jacksongov.org Ph: (816) 881-3155	IT Director	Project Primary Contact
Mike Lear dwitte@jacksongov.org Ph: (816) 881-3153	IT Manager	Project Primary Contact
David Witte dwitte@jacksongov.org Ph: (816) 881-3153	IT Manager	Project Primary Contact
Tommy Messersmith Tommy.Messersmith@aos5.com Ph: (913) 307-2300	Account Manager Alexander Open Systems	Primary AOS Sales Contact
Mark Smalley Mark.Smalley@aos5.com Ph: 913-307-2322	Design Architect Alexander Open Systems	Technical AOS Sales Contact
AOS Scheduling kc-scheduling@aos5.com Ph: 913-307-2330	Alexander Open Systems	

Consulting Fees

The following table lists the costs for a Fixed Fee engagement. Shipping and taxes are not included. All prices are in U.S. dollars. See *Pricing Assumptions* below for additional information.

Fixed Fee Description	Total Price
Total Services	\$260,923.59

Pricing Assumptions

- Except for the cutover(s) specified in this SOW, AOS will perform work during normally scheduled working hours (8:00 A.M. to 5:00 P.M. local time Monday through Friday), excluding AOS \ customer observed holidays. AOS will charge any work performed outside of these normal business hours at the rates shown below:
 - Overtime & Weekends billed at Normal Business Hours (NBH) + 50%
 - Holidays billed at Normal Business Hours (NBH) + 100% w/ (2) hour minimum
 - Emergency support billed at Normal Business Hours (NBH) + 50% w/ (2) hour minimum
- AOS will assess a cancellation fee of \$195 for scheduled work customer cancellations with less than 24 hour advanced notification. Notification of cancellations can be made to any of the contacts listed in the Contacts and Resources section.
- AOS sales and services are subject to any applicable AOS Master Services Agreement.
- Jackson County Missouri hereby assumes all costs associated with said requested services. Associated costs include, but are not limited to, those that are set by AOS under this Statement of Work. AOS agrees to obtain approval by Jackson County Missouri prior to incurring any costs in addition to those already itemized on this Statement of Work and the purchase order provided to AOS prior to the services being done.
- Payment of the net amount of an invoice is due 30 days from the date of AOS invoice, unless otherwise specified in this Statement of Work. All Pricing is subject to Other Terms and Conditions attached hereto and incorporated by this reference herein. Refer to Master Services Agreement for further information.
- All applicable state and local taxes, shipping charges (FOB customer dock), travel and associated expenses will be added to invoice.

Other Terms and Conditions

- AOS is not responsible for configuration, compatibility, or products requested per customer-provided specifications. AOS has professional design consulting services available to quote upon request.
- AOS will coordinate the ordering, delivery, warranties, and maintenance agreements of all equipment and software components listed that are purchased through AOS.
- Customer is responsible for returning all trade-in merchandise to the designated parties or issue a certificate of destruction if that is required. AOS will charge for equipment not returned.

- AOS will subject additional delays or communication coordination with 3rd party providers, (Telco's, local ISP's, remote vendors, etc.) not reflected in this Statement of Work to a Change Management Form request.
- Customer must pay block contracts in full prior to receiving the discounted rate on work. AOS subjects Fixed Fee and Hourly services to progress billing at the end of each AOS monthly billing cycle.
- Customer agrees not to solicit or pursue for employment any AOS personnel. Each party agrees not to hire or solicit for employment (or as an individual independent contractor) any employee of the other party until twelve (12) months after the date such person terminates employment with the other party. AOS further agrees not to hire or solicit for employment (or as an individual independent contractor) any other individual while he or she is performing services for Customer pursuant to a contract. If this paragraph is breached by the hiring of an employee of AOS, damages for such breach are agreed to be equal to the demonstrated cost of training a replacement for such individual. This paragraph does not apply to the hiring or solicitation of any individual who did not become known to the hiring or soliciting party as a result of the relationship between Customer and AOS created by this Agreement.
- AOS will only process orders signed by an agent of the company. AOS will require a purchase order if required by Customer's organization.
- This Statement of Work does not imply or guarantee a specific date or time frame for services to begin. All project timelines will be mutually agreed to by and between Customer and AOS.

Customer Acceptance

Due to the competitive confidentiality of information provided the accompanying materials, AOS and Jackson County Missouri shall keep all such information in the strictest confidence and shall not be divulged to persons other than Jackson County Missouri employees unless authorized by AOS. AOS bases the recommendations for equipment, programs and services on information customer has furnished to AOS and on observations by AOS. While AOS believes the price and materials list to be sound, the degrees of success with which equipment, applications and services are applied to information, processing is dependent on many factors, some of which are beyond the reasonable control of AOS.

The signature below affirms and acknowledges that you have read the above contents in its entirety and agree to the terms and conditions of this proposal as outlined.

Accepted Jackson County Missouri by:

Name (Print): _____ **Title:** _____

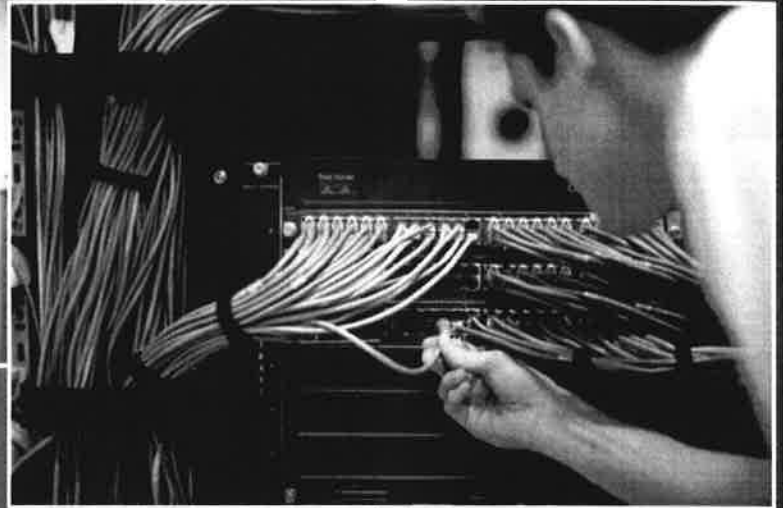
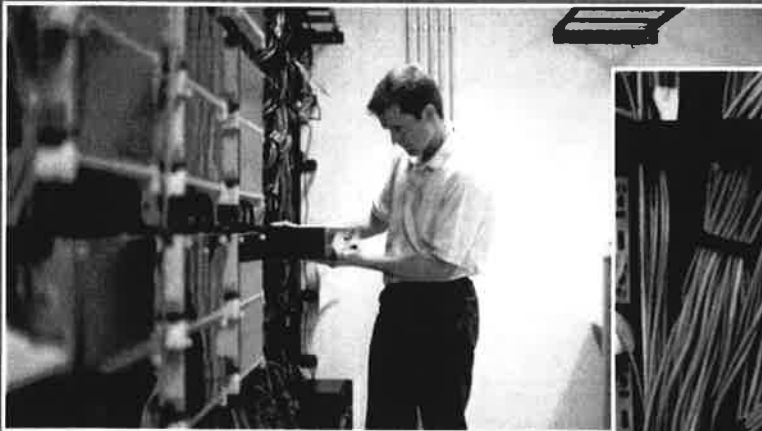
Signature: _____ **Date:** _____

Accepted for Alexander Open Systems by:

Name (Print): _____ **Title:** _____

Signature: _____ **Date:** _____

Ord. 4708



DOWNTOWN NETWORK INSTALLATION

*Install updated
local area network
switching for
Jackson County,
Missouri*

Account Manager: Tommy Messersmith

Design Architect: Mark Smalley

Date: November 20, 2014

AOS

Expect the Best!



CISCO

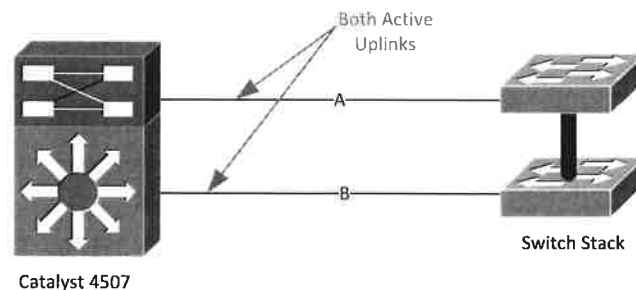
Statement of Work

This Statement of Work covers professional services work AOS will perform for Jackson County Missouri. Beginning on a mutually agreed upon date, AOS will provide one or more qualified technical consultants and/or Project Management personnel on a “fixed fee” basis to configure and install a Cisco Unified Communications Solution for Jackson County Missouri in Kansas City, Missouri.

AOS will consider additional work not explicitly stated in this Statement of Work as “out-of-scope” and will require a “change order”.

Summary

Jackson County Missouri has requested a assistance installing new Cisco Local Area Network Switches. The switches will standardize the access to the network resources in the data center and the rest of the network. This will simplify the support needed compared the the current miscellaneous switches. We will also be adding a secondary connection to each of the telecommunications closets.



The redundancy will provide failover and additional bandwidth for the these locations.

Scope and Approach

Experienced AOS personnel, or authorized agents, will perform the following implementation tasks:



NOTE: Locations with more than one switch will stack using the provided Stack Modules and the 50cm stack cable.

Corrections 1st Floor

AOS will install and configure the following Cisco Catalyst 3650 LAN switches.

- Switches for this location include two 48 port 3650 PoE Switch(es)
- Unbox, rack and configure the switches with up to 10 VLANs.
- Install and configure uplinks using two 1Gbps multimode SFPs .
- Configure the switches to authenticate to the existing Cisco Secure ACS server.
- Connect two uplinks into the new OM3 fiber optic cabling using the AOS provided 2 meter fiber patch cables.

Corrections Ground Floor

AOS will install and configure the following Cisco Catalyst 3650 LAN switches.

- Switches for this location include one 24 port 3650 PoE Switch(es) and one 48 port 3650 PoE Switch(es)
- Unbox, rack and configure the switches with up to 10 VLANs.
- Install and configure uplinks using two 1Gbps multimode SFPs .
- Configure the switches to authenticate to the existing Cisco Secure ACS server.
- Connect two uplinks into the new OM3 fiber optic cabling using the AOS provided 2 meter fiber patch cables.

Corrections 3rd Floor

AOS will install and configure the following Cisco Catalyst 3650 LAN switches.

- Switches for this location include 24 port 3650 PoE Switch(es)
- Unbox, rack and configure the switches with up to 10 VLANs.
- Install and configure uplinks using two 1Gbps multimode SFPs .
- Configure the switches to authenticate to the existing Cisco Secure ACS server.
- Connect two uplinks into the new OM3 fiber optic cabling using the AOS provided 2 meter fiber patch cables.

Corrections 4th Floor

AOS will install and configure the following Cisco Catalyst 3650 LAN switches.

- Switches for this location include one 24 port 3650 PoE Switch(es)
- Unbox, rack and configure the switches with up to 10 VLANs.
- Install and configure uplinks using two 1Gbps multimode SFPs .
- Configure the switches to authenticate to the existing Cisco Secure ACS server.

- Connect two uplinks into the new OM3 fiber optic cabling using the AOS provided 2 meter fiber patch cables.

Corrections 5th Floor

AOS will install and configure the following Cisco Catalyst 3650 LAN switches.

- Switches for this location include one 48 port 3650 PoE Switch(es)
- Unbox, rack and configure the switches with up to 10 VLANs.
- Install and configure uplinks using two 1Gbps multimode SFPs .
- Configure the switches to authenticate to the existing Cisco Secure ACS server.
- Connect two uplinks into the new OM3 fiber optic cabling using the AOS provided 2 meter fiber patch cables.

JCDC Upper Annex

AOS will install and configure the following Cisco Catalyst 3650 LAN switches.

- Switches for this location include one 24 port 3650 PoE Switch(es)
- Unbox, rack and configure the switches with up to 10 VLANs.
- Install and configure uplinks using two 1Gbps multimode SFPs .
- Configure the switches to authenticate to the existing Cisco Secure ACS server.
- Connect two uplinks into the new OM3 fiber optic cabling using the AOS provided 2 meter fiber patch cables.

JCDC 1st Floor Admin

AOS will install and configure the following Cisco Catalyst 3650 LAN switches.

- Switches for this location include one 24 port 3650 PoE Switch(es) and one 48 port 3650 PoE Switch(es)
- Unbox, rack and configure the switches with up to 10 VLANs.
- Install and configure uplinks using two 1Gbps multimode SFPs .
- Configure the switches to authenticate to the existing Cisco Secure ACS server.
- Connect two uplinks into the new OM3 fiber optic cabling using the AOS provided 2 meter fiber patch cables.

JCDC 2nd Floor Medical

AOS will install and configure the following Cisco Catalyst 3650 LAN switches.

- Switches for this location include one 48 port 3650 PoE Switch(es)

- Unbox, rack and configure the switches with up to 10 VLANs.
- Install and configure uplinks using two 1Gbps multimode SFPs .
- Configure the switches to authenticate to the existing Cisco Secure ACS server.
- Connect two uplinks into the new OM3 fiber optic cabling using the AOS provided 2 meter fiber patch cables.

JCDC Ground Floor

AOS will install and configure the following Cisco Catalyst 3650 LAN switches.

- Switches for this location include one 48 port 3650 PoE Switch(es)
- Unbox, rack and configure the switches with up to 10 VLANs.
- Install and configure uplinks using two 1Gbps multimode SFPs .
- Configure the switches to authenticate to the existing Cisco Secure ACS server.
- Connect two uplinks into the new OM3 fiber optic cabling using the AOS provided 2 meter fiber patch cables.

JCDC Annex Transportation

AOS will install and configure the following Cisco Catalyst 3650 LAN switches.

- Switches for this location include one 48 port 3650 PoE Switch(es)
- Unbox, rack and configure the switches with up to 10 VLANs.
- Install and configure uplinks using two 1Gbps multimode SFPs .
- Configure the switches to authenticate to the existing Cisco Secure ACS server.
- Connect two uplinks into the new OM3 fiber optic cabling using the AOS provided 2 meter fiber patch cables.

JCDC Annex Loading Dock

AOS will install and configure the following Cisco Catalyst 3650 LAN switches.

- Switches for this location include one 24 port 3650 PoE Switch
- Unbox, rack and configure the switches with up to 10 VLANs.
- Install and configure uplinks using two 1Gbps multimode SFPs .
- Configure the switches to authenticate to the existing Cisco Secure ACS server.
- Connect two uplinks into the new OM3 fiber optic cabling using the AOS provided 2 meter fiber patch cables.

JCDC 3rd Floor

AOS will install and configure the following Cisco Catalyst 3650 LAN switches.

- Switches for this location include one 24 port 3650 PoE Switch
- Unbox, rack and configure the switches with up to 10 VLANs.
- Install and configure uplinks using two 1Gbps multimode SFPs .
- Configure the switches to authenticate to the existing Cisco Secure ACS server.
- Connect two uplinks into the new OM3 fiber optic cabling using the AOS provided 2 meter fiber patch cables.

JCDC 4th Floor

AOS will install and configure the following Cisco Catalyst 3650 LAN switches.

- Switches for this location include one 24 port 3650 PoE Switch
- Unbox, rack and configure the switches with up to 10 VLANs.
- Install and configure uplinks using two 1Gbps multimode SFPs .
- Configure the switches to authenticate to the existing Cisco Secure ACS server.
- Connect two uplinks into the new OM3 fiber optic cabling using the AOS provided 2 meter fiber patch cables.

JCDC 5th Floor

AOS will install and configure the following Cisco Catalyst 3650 LAN switches.

- Switches for this location include one 24 port 3650 PoE Switch(es) and one 48 port 3650 PoE Switch(es)
- Unbox, rack and configure the switches with up to 10 VLANs.
- Install and configure uplinks using two 1Gbps multimode SFPs .
- Configure the switches to authenticate to the existing Cisco Secure ACS server.
- Connect two uplinks into the new OM3 fiber optic cabling using the AOS provided 2 meter fiber patch cables.

JCDC 6th Floor

AOS will install and configure the following Cisco Catalyst 3650 LAN switches.

- Switches for this location include one 24 port 3650 PoE Switch
- Unbox, rack and configure the switches with up to 10 VLANs.
- Install and configure uplinks using two 1Gbps multimode SFPs .
- Configure the switches to authenticate to the existing Cisco Secure ACS server.

- Connect two uplinks into the new OM3 fiber optic cabling using the AOS provided 2 meter fiber patch cables.

Warrant Office Ground Floor

AOS will install and configure the following Cisco Catalyst 3650 LAN switches.

- Switches for this location include one 48 port 3650 PoE Switch
- Unbox, rack and configure the switches with up to 10 VLANs.
- Install and configure uplinks using two 1Gbps multimode SFPs .
- Configure the switches to authenticate to the existing Cisco Secure ACS server.
- Connect two uplinks into the new OM3 fiber optic cabling using the AOS provided 2 meter fiber patch cables.

Finance 1st Floor

AOS will install and configure the following Cisco Catalyst 3650 LAN switches.

- Switches for this location include one 24 port 3650 PoE Switch and one 48 port 3650 PoE Switch
- Unbox, rack and configure the switches with up to 10 VLANs.
- Install and configure uplinks using two 1Gbps multimode SFPs .
- Configure the switches to authenticate to the existing Cisco Secure ACS server.
- Connect two uplinks into the new OM3 fiber optic cabling using the AOS provided 2 meter fiber patch cables.

Collections 1 1st Floor

AOS will install and configure the following Cisco Catalyst 3650 LAN switches.

- Switches for this location include one 48 port 3650 PoE Switch
- Unbox, rack and configure the switches with up to 10 VLANs.
- Install and configure uplinks using two 1Gbps multimode SFPs .
- Configure the switches to authenticate to the existing Cisco Secure ACS server.
- Connect two uplinks into the new OM3 fiber optic cabling using the AOS provided 2 meter fiber patch cables.

Collections 2 1st Floor

AOS will install and configure the following Cisco Catalyst 3650 LAN switches.

- Switches for this location include one 24 port 3650 PoE Switch
- Switches for this location include one 48 port 3650 PoE Switch

- Unbox, rack and configure the switches with up to 10 VLANs.
- Install and configure uplinks using two 1Gbps multimode SFPs .
- Configure the switches to authenticate to the existing Cisco Secure ACS server.
- Connect two uplinks into the new OM3 fiber optic cabling using the AOS provided 2 meter fiber patch cables.

Human Resources & Records

AOS will install and configure the following Cisco Catalyst 3650 LAN switches.

- Switches for this location include one 24 port 3650 PoE Switch
- Switches for this location include one 48 port 3650 PoE Switch
- Unbox, rack and configure the switches with up to 10 VLANs.
- Install and configure uplinks using two 1Gbps multimode SFPs .
- Configure the switches to authenticate to the existing Cisco Secure ACS server.
- Connect two uplinks into the new OM3 fiber optic cabling using the AOS provided 2 meter fiber patch cables.

Assessment 1 1st Floor Mezzanine

AOS will install and configure the following Cisco Catalyst 3650 LAN switches.

- Switches for this location include two 48 port 3650 PoE Switches
- Unbox, rack and configure the switches with up to 10 VLANs.
- Install and configure uplinks using two 1Gbps multimode SFPs .
- Configure the switches to authenticate to the existing Cisco Secure ACS server.
- Connect two uplinks into the new OM3 fiber optic cabling using the AOS provided 2 meter fiber patch cables.

Assessment 2 1st Floor Mezzanine

AOS will install and configure the following Cisco Catalyst 3650 LAN switches.

- Switches for this location include one 48 port 3650 PoE Switch
- Unbox, rack and configure the switches with up to 10 VLANs.
- Install and configure uplinks using two 1Gbps multimode SFPs .
- Configure the switches to authenticate to the existing Cisco Secure ACS server.
- Connect two uplinks into the new OM3 fiber optic cabling using the AOS provided 2 meter fiber patch cables.

Clerk 2nd Floor

AOS will install and configure the following Cisco Catalyst 3650 LAN switches.

- Switches for this location include one 24 port 3650 PoE Switch
- Switches for this location include one 48 port 3650 PoE Switch
- Unbox, rack and configure the switches with up to 10 VLANs.
- Install and configure uplinks using two 1Gbps multimode SFPs .
- Configure the switches to authenticate to the existing Cisco Secure ACS server.
- Connect two uplinks into the new OM3 fiber optic cabling using the AOS provided 2 meter fiber patch cables.

Executive Office 1 2nd Floor

AOS will install and configure the following Cisco Catalyst 3650 LAN switches.

- Switches for this location include one 24 port 3650 PoE Switch
- Switches for this location include one 48 port 3650 PoE Switch
- Unbox, rack and configure the switches with up to 10 VLANs.
- Install and configure uplinks using two 1Gbps multimode SFPs .
- Configure the switches to authenticate to the existing Cisco Secure ACS server.
- Connect two uplinks into the new OM3 fiber optic cabling using the AOS provided 2 meter fiber patch cables.

Executive Office 2 2nd Floor

AOS will install and configure the following Cisco Catalyst 3650 LAN switches.

- Switches for this location include one 24 port 3650 PoE Switch
- Switches for this location include one 48 port 3650 PoE Switch
- Unbox, rack and configure the switches with up to 10 VLANs.
- Install and configure uplinks using two 1Gbps multimode SFPs .
- Configure the switches to authenticate to the existing Cisco Secure ACS server.
- Connect two uplinks into the new OM3 fiber optic cabling using the AOS provided 2 meter fiber patch cables.

Facility 3rd Floor Mezzanine

AOS will install and configure the following Cisco Catalyst 3650 LAN switches.

- Switches for this location include one 24 port 3650 PoE Switch
- Unbox, rack and configure the switches with up to 10 VLANs.

- Install and configure uplinks using two 1Gbps multimode SFPs .
- Configure the switches to authenticate to the existing Cisco Secure ACS server.
- Connect two uplinks into the new OM3 fiber optic cabling using the AOS provided 2 meter fiber patch cables.

Public Admen 4th Floor

AOS will install and configure the following Cisco Catalyst 3650 LAN switches.

- Switches for this location include one 24 port 3650 PoE Switch
- Unbox, rack and configure the switches with up to 10 VLANs.
- Install and configure uplinks using two 1Gbps multimode SFPs .
- Configure the switches to authenticate to the existing Cisco Secure ACS server.
- Connect two uplinks into the new OM3 fiber optic cabling using the AOS provided 2 meter fiber patch cables.

Public Admen 4th Floor Mezzanine

AOS will install and configure the following Cisco Catalyst 3650 LAN switches.

- Switches for this location include one 48 port 3650 PoE Switch
- Unbox, rack and configure the switches with up to 10 VLANs.
- Install and configure uplinks using two 1Gbps multimode SFPs .
- Configure the switches to authenticate to the existing Cisco Secure ACS server.
- Connect two uplinks into the new OM3 fiber optic cabling using the AOS provided 2 meter fiber patch cables.

Prosecutors 1 7th Floor Mezzanine

AOS will install and configure the following Cisco Catalyst 3650 LAN switches.

- Switches for this location include one 24 port 3650 PoE Switch
- Switches for this location include one 48 port 3650 PoE Switch
- Unbox, rack and configure the switches with up to 10 VLANs.
- Install and configure uplinks using two 1Gbps multimode SFPs .
- Configure the switches to authenticate to the existing Cisco Secure ACS server.
- Connect two uplinks into the new OM3 fiber optic cabling using the AOS provided 2 meter fiber patch cables.

Prosecutors 2 7th Floor Mezzanine

AOS will install and configure the following Cisco Catalyst 3650 LAN switches.

- Switches for this location include one 48 port 3650 PoE Switch
- Unbox, rack and configure the switches with up to 10 VLANs.
- Install and configure uplinks using two 1Gbps multimode SFPs .
- Configure the switches to authenticate to the existing Cisco Secure ACS server.
- Connect two uplinks into the new OM3 fiber optic cabling using the AOS provided 2 meter fiber patch cables.

Combat 9th Floor

AOS will install and configure the following Cisco Catalyst 3650 LAN switches.

- Switches for this location include one 48 port 3650 PoE Switch
- Unbox, rack and configure the switches with up to 10 VLANs.
- Install and configure uplinks using two 1Gbps multimode SFPs .
- Configure the switches to authenticate to the existing Cisco Secure ACS server.
- Connect two uplinks into the new OM3 fiber optic cabling using the AOS provided 2 meter fiber patch cables.

Prosecutors 3 10th Floor

AOS will install and configure the following Cisco Catalyst 3650 LAN switches.

- Switches for this location include one 24 port 3650 PoE Switch
- Switches for this location include one 48 port 3650 PoE Switch
- Unbox, rack and configure the switches with up to 10 VLANs.
- Install and configure uplinks using two 1Gbps multimode SFPs .
- Configure the switches to authenticate to the existing Cisco Secure ACS server.
- Connect two uplinks into the new OM3 fiber optic cabling using the AOS provided 2 meter fiber patch cables.

Prosecutors 4 11th Floor

AOS will install and configure the following Cisco Catalyst 3650 LAN switches.

- Switches for this location include one 48 port 3650 PoE Switch
- Unbox, rack and configure the switches with up to 10 VLANs.
- Install and configure uplinks using two 1Gbps multimode SFPs .
- Configure the switches to authenticate to the existing Cisco Secure ACS server.
- Connect two uplinks into the new OM3 fiber optic cabling using the AOS provided 2 meter fiber patch cables.

MDF Ground Floor Cabling Infrastructure

AOS will install and configure the following Cisco Catalyst LAN switch equipment.

- Unbox, install and configure the 24 port 1Gbps fiber module.
- Install 15 1Gbps multimode Fiber SFPs
- Configure the interfaces as redundant links for the courthouse location.

Testing

The following tests must be completed at each IDF location.

1. Start a constant Ping or another traffic generating tool
2. Disconnect primary fiber connection.
3. Verify traffic continues to flow.
4. Reconnect primary fiber connection.
5. Disconnect secondary fiber connection.
6. Verify traffic continues to flow.
7. Reconnect secondary fiber connection.
8. Record findings in a spreadsheet for final delivery.
9. Remediate any failover failures.

Remote Sites

AOS will also be providing project management for Jackson County staff and any other contractors for the installation of repurposed switches at remote sites.

Customer Deliverables

AOS will provide the following deliverables to Jackson County.

- Visio diagram depicting network topology after installation of switches.
- Switch configuration files of all installed switches.

Customer Responsibilities

The following items will be the responsibility of Jackson County.

- Disposal of all packing and shipping materials. (boxes, bags, etc)
- Provide access to the telecommunications closets.

- Provide one NEMA 5-15 electrical outlet in each telecommunications closets.

Contacts and Resources

AOS will perform work at the following location(s):

Location	Contact
Kansas City, Missouri	Ken Larson

Project Contacts

Name	Position/Company	Project Role
Ken Larson klarson@jacksongov.org Ph: (816) 881-3155	IT Director	Project Primary Contact
Mike Lear dwwitte@jacksongov.org Ph: (816) 881-3153	IT Manager	Project Primary Contact
David Witte dwwitte@jacksongov.org Ph: (816) 881-3153	IT Manager	Project Primary Contact
Tommy Messersmith Tommy.Messersmith@aos5.com Ph: (913) 307-2300	Account Manager Alexander Open Systems	Primary AOS Sales Contact
Mark Smalley Mark.Smalley@aos5.com Ph: 913-307-2322	Design Architect Alexander Open Systems	Technical AOS Sales Contact
AOS Scheduling kc-scheduling@aos5.com Ph: 913-307-2330	Alexander Open Systems	

Consulting Fees

The following table lists the costs for a Fixed Fee engagement. Shipping and taxes are not included. All prices are in U.S. dollars. See *Pricing Assumptions* below for additional information.

Fixed Fee Description	Total Price
Total Services	\$54,335

Pricing Assumptions

- Except for the cutover(s) specified in this SOW, AOS will perform work during normally scheduled working hours (8:00 A.M. to 5:00 P.M. local time Monday through Friday), excluding AOS \ customer observed holidays. AOS will charge any work performed outside of these normal business hours at the rates shown below:
 - Overtime & Weekends billed at Normal Business Hours (NBH) + 50%
 - Holidays billed at Normal Business Hours (NBH) + 100% w/ (2) hour minimum
 - Emergency support billed at Normal Business Hours (NBH) + 50% w/ (2) hour minimum
- AOS will assess a cancellation fee of \$195 for scheduled work customer cancellations with less than 24 hour advanced notification. Notification of cancellations can be made to any of the contacts listed in the Contacts and Resources section.
- AOS sales and services are subject to any applicable AOS Master Services Agreement.
- Jackson County Missouri hereby assumes all costs associated with said requested services. Associated costs include, but are not limited to, those that are set by AOS under this Statement of Work. AOS agrees to obtain approval by Jackson County Missouri prior to incurring any costs in addition to those already itemized on this Statement of Work and the purchase order provided to AOS prior to the services being done.
- Payment of the net amount of an invoice is due 30 days from the date of AOS invoice, unless otherwise specified in this Statement of Work. All Pricing is subject to Other Terms and Conditions attached hereto and incorporated by this reference herein. Refer to Master Services Agreement for further information.
- All applicable state and local taxes, shipping charges (FOB customer dock), travel and associated expenses will be added to invoice.

Other Terms and Conditions

- AOS is not responsible for configuration, compatibility, or products requested per customer-provided specifications. AOS has professional design consulting services available to quote upon request.

- AOS will coordinate the ordering, delivery, warranties, and maintenance agreements of all equipment and software components listed that are purchased through AOS.
- Customer is responsible for returning all trade-in merchandise to the designated parties or issue a certificate of destruction if that is required. AOS will charge for equipment not returned.
- AOS will subject additional delays or communication coordination with 3rd party providers, (Telco's, local ISP's, remote vendors, etc.) not reflected in this Statement of Work to a Change Management Form request.
- Customer must pay block contracts in full prior to receiving the discounted rate on work. AOS subjects Fixed Fee and Hourly services to progress billing at the end of each AOS monthly billing cycle.
- Customer agrees not to solicit or pursue for employment any AOS personnel. Each party agrees not to hire or solicit for employment (or as an individual independent contractor) any employee of the other party until twelve (12) months after the date such person terminates employment with the other party. AOS further agrees not to hire or solicit for employment (or as an individual independent contractor) any other individual while he or she is performing services for Customer pursuant to a contract. If this paragraph is breached by the hiring of an employee of AOS, damages for such breach are agreed to be equal to the demonstrated cost of training a replacement for such individual. This paragraph does not apply to the hiring or solicitation of any individual who did not become known to the hiring or soliciting party as a result of the relationship between Customer and AOS created by this Agreement.
- AOS will only process orders signed by an agent of the company. AOS will require a purchase order if required by Customer's organization.
- This Statement of Work does not imply or guarantee a specific date or time frame for services to begin. All project timelines will be mutually agreed to by and between Customer and AOS.

Customer Acceptance

Due to the competitive confidentiality of information provided the accompanying materials, AOS and Jackson County Missouri shall keep all such information in the strictest confidence and shall not be divulged to persons other than Jackson County Missouri employees unless authorized by AOS. AOS bases the recommendations for equipment, programs and services on information customer has furnished to AOS and on observations by AOS. While AOS believes the price and materials list to be sound, the degrees of success with which equipment, applications and

services are applied to information, processing is dependent on many factors, some of which are beyond the reasonable control of AOS.

The signature below affirms and acknowledges that you have read the above contents in its entirety and agree to the terms and conditions of this proposal as outlined.

Accepted Jackson County Missouri by:

Name (Print): _____ **Title:** _____

Signature: _____ **Date:** _____

Accepted for Alexander Open Systems by:

Name (Print): _____ **Title:** _____

Signature: _____ **Date:** _____