



Advanced Intelligence Engineering

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We have prepared a quote for you

Central Athletic Complex IT Buildout

Quote # KE000371 Version 4

Prepared for:

Wheaton Park District

Prepared by:

Kirsten Ekstrand

Friday, January 19, 2018

Wheaton Park District
Mike Benard
1777 S Blanchard St
Wheaton, IL 60189
mbenard@wheatonparks.org

Dear Mike,

Here are the revisions you've requested. We've removed the majority of time for site design and Internet install, and I've also optioned out the IDF and cabling equipment. Actually configuring the switches does not substantially change the labor, so the only cost change there would be the equipment.

This proposal includes a new workstation in the lobby area, wireless for the lobby area, and DMZ access for the tenant Rec and Roll (who will be occupying their own space). In future, WPD expects to expand the wireless network, so we have designed the MDF with that in mind.




Additionally, per our conversation yesterday, we've added the option to expand the Meraki 8 port switch. Meraki doesn't have a line of 16 port switches, but we can install a second 8 port switch and stack it with an ethernet cable. It would then be managed as one device.

I will send the project plan under separate cover.




Kirsten Ekstrand
Service Delivery Manager
Advanced Intelligence Engineering


Desktop for Front Desk

Description	Price	Qty	Ext. Price
Lenovo ThinkCentre M710s Desktop Computer - Intel Core i5 (7th Gen) i5-7400 3 GHz - 8 GB DDR4 SDRAM - 1 TB HDD - Windows 10 Pro 64-bit (English) - Small Form Factor - Black - DVD-Writer DVD±R/±RW - Intel HD Graphics 630 Graphics - Eng 	\$734.56	1	\$734.56
Lenovo Premier Support - 3 Year Extended Warranty - Warranty - On-site - Maintenance - Parts & Labor - Physical, Electronic Service Next Business Day - Parts and Labor	\$60.58	1	\$60.58
Samsung 21.5" LED LCD Monitor - 16:9 - 5 ms - Adjustable Display Angle - 1920 x 1080 - 16.7 Million Colors - 250 Nit - 1,000:1 - Full HD - DVI - VGA - DisplayPort - USB - 21 W - Black - ENERGY STAR, EPEAT Gold 	\$157.42	2	\$314.84
Unirise Display Port Cable M-M, 6ft - DisplayPort for Audio/Video Device - 6 ft - DisplayPort Male Digital Audio/Video - DisplayPort Male Digital Audio/Video - Gold Plated Connector - Shielding 	\$14.58	1	\$14.58
Subtotal			\$1,124.56






Wireless Access Point

Description	Price	Qty	Ext. Price
Meraki MR33 IEEE 802.11ac 1.30 Gbit/s Wireless Access Point - 2.40 GHz, 5 GHz - MIMO Technology - Beamforming Technology - 1 x Network (RJ-45) - Desktop, Ceiling Mountable, Wall Mountable 	\$447.81	1	\$447.81
Meraki MR Enterprise Cloud Controller License, 3 Years - Meraki MR Series Access Point - Subscription License 1 Access Point - 3 Year License Validation Period	\$207.00	1	\$207.00
Subtotal			\$654.81

MDF Equipment




Description	Price	Qty	Ext. Price
Meraki MS210-24P Ethernet Switch - 24 x Gigabit Ethernet Network, 4 x Gigabit Ethernet Uplink - Manageable - Twisted Pair, Optical Fiber - Modular - 3 Layer Supported - 1U High - Rack-mountable	\$2,528.85	1	\$2,528.85
Meraki Enterprise with 3 Years Enterprise Support - MS210-24P Cloud Managed Gigabit Switch - Subscription License 1 Switch - 3 Year License Validation Period	\$289.80	1	\$289.80
APC by Schneider Electric Smart-UPS 1500VA LCD 120V with SmartConnect - 1440 VA/1000 W - 120 V AC, 110 V AC, 127 V AC - 7 Minute Stand-by Time - Tower - 8 x NEMA 5-15R 	\$538.21	1	\$538.21

MDF Equipment

Description		Price	Qty	Ext. Price
APC Basic Rack 1.8kVA PDU - 10 x NEMA 5-15R - 1.8kVA - 1U 19" Rack-mountable		\$88.20	1	\$88.20
Tripp Lite 12U Wall Mount Open Frame Rack Cabinet Wallmount Heavy Duty - 19" 12U Wide x 18" Deep Wall Mountable - Black Powder Coat - 550 lb x Static/Stationary Weight Capacity		\$115.77	1	\$115.77
Tripp Lite 24-Port Cat5e Cat5 Rackmount Patch Panel 568B 110 Punch 1URM - 568B, RJ45 Ethernet"		\$40.14	1	\$40.14
StarTech.com 1U Rack Shelf - 10in Deep - Rack Mount Shelf - Server Rack Shelf - Cantilever Shelf - Network Rack Shelf - 1U Shelf - 19" 1U Wide Rack-mountable for Server, A/V Equipment - Black - Steel - 44.20 lb x Maximum Weight Capacity - 44.20 lb x Stati		\$26.36	1	\$26.36
C2G-1ft Cat6 Snagless Unshielded (UTP) Network Patch Cable - Green - Category 6 for Network Device - RJ-45 Male - RJ-45 Male - 1ft - Green		\$1.85	10	\$18.50
Subtotal				\$3,645.83


IDF Equipment

* Optional

Description		Price	Qty	Ext. Price
Meraki MS120-8LP 1G L2 Cloud Managed 8x GigE 64W PoE Switch - 8 x Gigabit Ethernet Network, 2 x Gigabit Ethernet Uplink - Manageable - Twisted Pair, Optical Fiber - Modular - 2 Layer Supported - Wall Mountable, Desktop - Lifetime Limited Warranty		\$617.55	1	\$617.55
Meraki Enterprise License And Support - MS120-8LP Cloud Managed Switch - License and Support - 3 Year License Validation Period		\$69.00	1	\$69.00
APC by Schneider Electric Back-UPS , 850VA, 2 USB charging ports, 120V - 850 VA/450 W - 120 V AC - 9 x NEMA 5-15R		\$104.43	1	\$104.43
Optional - Stackable Switch Expansion				
Meraki MS120-8LP 1G L2 Cloud Managed 8x GigE 64W PoE Switch - 8 x Gigabit Ethernet Network, 2 x Gigabit Ethernet Uplink - Manageable - Twisted Pair, Optical Fiber - Modular - 2 Layer Supported - Wall Mountable, Desktop - Lifetime Limited Warranty		\$617.55	1*	\$617.55
Meraki Enterprise License And Support - MS120-8LP Cloud Managed Switch - License and Support - 3 Year License Validation Period		\$69.00	1*	\$69.00

IDF Equipment

* Optional

Description	Price	Qty	Ext. Price
C2G-1ft Cat6 Snagless Unshielded (UTP) Network Patch Cable - Green - Category 6 for Network Device - RJ-45 Male - RJ-45 Male - 1ft - Green 	\$1.85	1*	\$1.85
* Optional Subtotal			\$1,479.38


Cabling Hardware

* Optional

Description	Price	Qty	Ext. Price
Network cable, source and destination hardware for cabling (charged per run)	\$35.00	6	\$210.00
* Optional Subtotal			\$210.00

Firewall - Replacement Option

* Optional

Description	Price	Qty	Ext. Price
AIE's primary quote presents the option to repurpose an existing ASA 5506-X firewall, currently in use as a spare. Should WPD desire to stay with the Cisco ASA 5506-X, but want to keep the spare, we could purchase a new ASA 5506-X firewall, as quoted here.			
Cisco ASA 5506-X Network Security Firewall Appliance - 8 Port - 10/100/1000Base-T Gigabit Ethernet - AES, 3DES - USB - 8 x RJ-45 - Manageable - Desktop, Rack-mountable 	\$686.55	1	\$686.55
Cisco SMARTnet - 3 Year Extended Service - Service - 8 x 5 Next Business Day - Exchange - Physical Service	\$322.71	1	\$322.71
* Optional Subtotal			\$1,009.26

Cabling

Run cables

Run cable for up to 6 drops (5 drops in the CAC to the new lobby area and one to new IDF in old locker room). 4 will go to the desk where phones and a computer will be located. One will run to a location in the ceiling of the lobby for a wireless access point, and one will run to the IDF location in the old locker room to provide access to Rec and Roll.

*Cabling Optional Subtotal: **\$648.00**

Network Equipment Installation

Rack Installation

Mount 12U rack and patch panel where indicated. Terminate cables and test.

Preconfigure switches

Configure one 24 port switch will be in the MDF with the firewall and will include vlans for phones, data, and DMZ. DHCP will be on the switch.

Preconfigure firewall

Repurpose existing ASA 5506 for CAC. Configure 2 WAN connections, WAN failover, phone, data, and DMZ networks. Configure VPN to Community Center for access to server environment. Configure QoS and prioritized routing for voice traffic.

Install network equipment on site

Install firewall, switches, access point, and power supplies on site and test network. Confirm VPN connectivity.

Network Equipment Installation Subtotal: **\$2,106.00**

Desktop Setup

Preconfigure desktop for deployment

Setup computer for check in and general staff use at CAC.

Deploy computer to CAC

Deploy one computer in the lobby of the CAC and confirm connectivity to RecTrac and Internet.

Desktop Setup Subtotal: **\$648.00**

Monthly Services

Description	Recurring	Qty	Ext. Recurring
Additional managed workstations	\$35.00	1	\$35.00
Additional managed network devices - Meraki	\$25.00	2	\$50.00
Additional managed network devices - Cisco	\$50.00	1	\$50.00
Recurring Subtotal			\$135.00

Payment Terms

In order to initiate the work, AIE requires a signed copy of the agreement along with 100% down payment on all hardware and licensing and 50% down payment on all labor. The balance of the labor, along with any additional surcharges or tax, will be billed Net20 upon completion of the work.

Central Athletic Complex IT Buildout



Prepared by:
Advanced Intelligence Engineering
Kirsten Ekstrand
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Prepared for:
Wheaton Park District
1777 S Blanchard St
Wheaton, IL 60189
Mike Benard

mbenard@wheatonparks.org

Quote Information:
Quote #: KE000371

Version: 4
Delivery Date: 01/19/2018
Expiration Date: 04/13/2018

Assumptions

- WPD staff will be available in a timely manner for questions and testing of changes.
- WPD will provide all necessary software discs, serial numbers, and passwords for any software needing to be installed.
- The work will be completed Monday-Friday / 7:30am-5:30pm, unless otherwise designated by AIE.
- WPD will provide proper power outlets in MDF, IDF and front desk locations.
- WPD will provide AIE with access to MDF and IDF locations for installation and future maintenance.
- This solution does not provide for Rec and Roll to have more than 7 drops in their area. If more drops are needed, a larger switch will be required.
- The IDF location will be secured by WPD via door lock (currently, the door is not locked).
- Locations of equipment indicated on the floor plan are approximate.

Should any of these assumptions prove to be incorrect, additional labor will be billed at WPD's contracted rates of \$108/hr.

Quote Summary

Description	Amount
Desktop for Front Desk	\$1,124.56
Wireless Access Point	\$654.81
MDF Equipment	\$3,645.83
Network Equipment Installation	\$2,106.00
Desktop Setup	\$648.00
Total:	\$8,179.20

Recurring Expenses Summary

Description	Amount
Monthly Services	\$135.00
Recurring Total:	\$135.00


*Optional Expenses

Description	One-Time
IDF Equipment	\$1,479.38
Cabling Hardware	\$210.00
Firewall - Replacement Option	\$1,009.26
Cabling	\$648.00
Optional Subtotal:	
\$3,346.64	

Taxes, shipping, handling and other fees may apply. We reserve the right to cancel orders arising from pricing or other errors.

Advanced Intelligence Engineering

Wheaton Park District

Signature: 
Name: Kirsten Ekstrand
Title: Service Delivery Manager
Date: _____

Signature: 
Name: Mike Benard
Title: Executive Director
Date: 1/25/18

Donna Siciliano

From: Adam Nirenberg <adam.nirenberg@vision96.com>
Sent: Tuesday, January 23, 2018 3:00 PM
To: Mike Benard; Donna Siciliano
Cc: Jonathan Butkus
Subject: FW: CAC Update
Attachments: Advanced_I.KE000371.v4.113.pdf

Donna: Can you also print up and have Mike sign this as well. I was going to go over this with Mike today.

Mike: This is the sales order from AIE for the remainder of the hardware, software and labor that will be needed to get the CAC up. Below is the email chain where we all discuss the budget, account numbers, etc. I believe the POs have already been generated by Steve and MBC. Need this Sales Order signed to get everything going with AIE.

Thanks, Adam

Adam

From: Mike Benard [mailto:mbenard@wheatonparks.org]
Sent: Tuesday, January 16, 2018 9:49 AM
To: Steve Hinchee <shinchee@wheatonparks.org>; Adam Nirenberg <adam.nirenberg@vision96.com>; Rita Trainor <rtrainor@wheatonparks.org>
Cc: Mary Beth Cleary <mbcleary@wheatonparks.org>; Donna Siciliano <dsiciliano@wheatonparks.org>; mdavis@aie195.com; Rob Sperl <rsperl@wheatonparks.org>; Nicole Chesak <nchesak@wheatonparks.org>; Andrea Chiappetta <afisher@wheatonparks.org>
Subject: RE: CAC Update

I agree Steve

Capital expense (ADA money) for start-up costs



Michael J. Benard, MPA CPRE | Executive Director
630-510-4945 | Cell: 630-945-7726 | wheatonparkdistrict.com

create. discover. play.

Follow Us:    

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Cosley Zoo, DuPage County Historical Museum, Lincoln Marsh Natural Area, Arrowhead Golf Club, Parks Plus Fitness Center, and Play for All Sensory Garden Playground are facilities of the Wheaton Park District.