

REQUEST FOR PROPOSAL (RFP)

Wireless Infrastructure Upgrade

School/Library Name: MSD of Lawrence Township
Issue Date: 2017-02-03
470 #: 170063684

The purpose of this Request for Proposal (RFP) is to solicit sealed proposals to establish a contract through fair and competitive negotiations for Wireless Infrastructure upgrades.

The goods and services requested in these documents are part of the E-Rate filings for Funding Year 2017 for Lawrence Central High School, Lawrence North High School, Belzer Middle School, Fall Creek Valley Middle School, Amy Beverland Elementary School, Brook Park Elementary School, Crestview Elementary School, Forest Glen Elementary School, Harrison Hill Elementary School, Indian Creek Elementary School, Mary Evelyn Castle Elementary School, Oaklandon Elementary School, Skiles Test Elementary School, Sunnyside Elementary School, Winding Ridge Elementary School, Early Learning Center Amy Beverland, Early Learning Center Brook Park, Early Learning Center Mary Castle, and Early Learning Center Winding Ridge.

Further information can be found at the USAC Website www.universalservice.org.

- The vendor must provide their E-Rate Service Provider Identification Number (SPIN) number on proposal in order to be eligible for consideration.
- The vendor must agree to comply with rules and regulations of USAC. Vendors must be familiar with billing methods and timelines associated with USAC.
- Bids and awards related to this RFP are subject to receiving approval for funding through the E-Rate process. In the event projects are not funded, MSDLT of Lawrence Township reserves the right to modify the scope of the project or cancel the project.
- The winning vendor must complete the necessary FCC Form 471 templates required for each school/entity, i.e. Internal Connections, Basic Maintenance of Internal Connections and Managed Internal Broadband Services.

BACKGROUND

- MSD of Lawrence Township will be expanding their network switch infrastructure platform to a single vendor and model except for a few specific instances outlined in the specifications section of this document.
- As part of this project, the corporation will also be adding access points to their current wireless network and battery backup units to the distribution closets.

SITE VISITS

- **There will be a mandatory preproposal meeting at Amy Beverland Elementary School on February 17, 2017 at 3:00 PM.** Bidders will be given a tour of the existing facilities and an opportunity to ask questions about the project at that time. Failure to have a representative attend this entire meeting will disqualify a bidder.
- Site visits to additional facilities can be scheduled upon request with at least 24-hour notice.
- PDF drawings of the facilities' floor plans will be made available upon email request

DUE DATE

Proposals will be received in the Lawrence Education and Community Center at the following address 6501 Sunnyside Road, Indianapolis, IN 46236 until 2 o'clock (2:00 p.m.) EST Friday, March 3, 2017. Proposals will be opened and publicly read at the hour of 2 o'clock (2:00 p.m.) Friday, March 3, 2017 at the Lawrence Education and Community Center. The MSD of Lawrence Township Board of Education reserves the right to reject any or all bids. Proposals must be submitted in a sealed opaque envelope and marked on the outside, "Bid on Wireless Infrastructure Upgrade"

SPECIFICATIONS

Listed below are part numbers and quantities for proposal. **Vendors may submit alternative equipment as long as the equipment is an equivalent make and model or serves a similar functionality.**

MSD of Lawrence Township reserves the right to adjust quantities prior to purchasing to meet the needs of the corporation.

Hardware and Professional Services:

** The quantities of Wireless Access Points and Cat6 Patch cables are estimates only and should match the quantity of access points needed in proposed design.

Amy Beverland Elementary

Function	Part Number	Description	Quantity
Professional Services		Design, engineer and manage installation of wireless access points	
Cabling		Labor and Materials for structured cabling supporting AP installation	
WAP	MR52	Meraki MR52, 4x4:4 802.11ac Wave 2	50**
WAP		Meraki MR52 5 Year License	50**
Cabling		3' Red CAT6 patch cables	50**
Cabling		7' Red CAT6 patch cables	50**
Switch	MS225-48FP	Meraki MS225-48FP Full POE/POE+ switch	2
Switch		Meraki MS225-48FP 5 Year License	2

Switch	MA-SFP-1GB-TX	Meraki 1 GbE SFP Copper Transceiver	1
Switch	MA-SFP-1GB-SX	Meraki 1 GbE SFP SX Fiber Transceiver	1
Switch	GLC-SX-MMD	Cisco 1000BASE-SX Fiber transceiver	1
Cabling		2M Duplex Multimode Fiber 50/125 OM3 Patch Cable LC/LC	1
UPS	SMX3000RMHV2UNC	APC Smart-UPS X 3000 Rack/Tower LCD	1
UPS	SMX120RMBP2U	APC Smart-UPS X 120V External Battery Pack	2
Cabling		IEC-320-C13 to IEC-320-C14 power cable	6
Cabling		IEC-320-C19 to IEC-320-C20 power cable	1
Cabling		IEC-320-C13 to NEMA L6-30P power cable	1

Brook Park Elementary

Function	Part Number	Description	Quantity
Professional Services		Design, engineer and manage installation of wireless access points	
Cabling		Labor and Materials for structured cabling supporting AP installation	
WAP	MR52	Meraki MR52, 4x4:4 802.11ac Wave 2	56**
WAP		Meraki MR52 5 Year License	56**
Cabling		3' Red CAT6 patch cables	56**
Cabling		7' Red CAT6 patch cables	56**
Switch	MS225-48FP	Meraki MS225-48FP Full POE/POE+ switch	7
Switch		Meraki MS225-48FP 5 Year License	7
Switch	MS225-48	Meraki MS225-48 Non-POE switch	3
Switch		Meraki MS225-48 5 Year License	3
Switch	MA-CBL-40G-1M	Meraki Stacking Cable (1m)	10
Switch	MA-SFP-1GB-SX	Meraki 1 GbE SFP SX Fiber Transceiver	3
Cabling		2M Duplex Multimode Fiber 50/125 OM3 Patch Cable SC/LC	3
UPS	SMX2200RMHV2U	APC Smart-UPS X 2200 Rack/Tower LCD	3
UPS	SMX3000RMHV2UNC	APC Smart-UPS X 3000 Rack/Tower LCD	1
UPS	SMX120RMBP2U	APC Smart-UPS X 120V External Battery Pack	5
UPS	AP9630	APC Network Management Card	3
Cabling		IEC-320-C13 to IEC-320-C14 power cable	17
Cabling		IEC-320-C13 to NEMA L6-30P power cable	4

Crestview Elementary

Function	Part Number	Description	Quantity
Professional Services		Design, engineer and manage installation of wireless access points	
Cabling		Labor and Materials for structured cabling supporting AP installation	
WAP	MR52	Meraki MR52, 4x4:4 802.11ac Wave 2	46**
WAP		Meraki MR52 5 Year License	46**
Cabling		3' Red CAT6 patch cables	46**
Cabling		7' Red CAT6 patch cables	46**
Switch	MS225-48FP	Meraki MS225-48FP Full POE/POE+ switch	1
Switch		Meraki MS225-48FP 5 Year License	1
Switch	MA-SFP-1GB-SX	Meraki 1 GbE SFP SX Fiber Transceiver	1
Switch	GLC-SX-MMD	Cisco 1000BASE-SX Fiber transceiver	1
Cabling		2M Duplex Multimode Fiber 50/125 OM3 Patch Cable LC/LC	1
UPS	SMX3000RMHV2UNC	APC Smart-UPS X 3000 Rack/Tower LCD	1
UPS	SMX120RMBP2U	APC Smart-UPS X 120V External Battery Pack	2
Cabling		IEC-320-C13 to IEC-320-C14 power cable	5
Cabling		IEC-320-C19 to IEC-320-C20 power cable	1
Cabling		IEC-320-C13 to NEMA L6-30P power cable	1

Early Learning Center Amy Beverland

Function	Part Number	Description	Quantity
Professional Services		Design, engineer and manage installation of wireless access points	
Cabling		Labor and Materials for structured cabling supporting AP installation	
WAP	MR52	Meraki MR52, 4x4:4 802.11ac Wave 2	30**
WAP		Meraki MR52 5 Year License	30**
Cabling		3' Red CAT6 patch cables	30**
Cabling		7' Red CAT6 patch cables	30**
Switch	MS225-48FP	Meraki MS225-48FP Full POE/POE+ switch	1
Switch		Meraki MS225-48FP 5 Year License	1
Switch	MS225-48	Meraki MS225-48 Non-POE switch	1
Switch		Meraki MS225-48 5 Year License	1
Switch	MA-CBL-40G-1M	Meraki Stacking Cable (1m)	2
Switch	MA-SFP-1GB-SX	Meraki 1 GbE SFP SX Fiber Transceiver	1
Switch	GLC-SX-MMD	Cisco 1000BASE-SX Fiber transceiver	1

Cabling		2M Duplex Multimode Fiber 50/125 OM3 Patch Cable LC/LC	1
UPS	SMX2200RMHV2U	APC Smart-UPS X 2200 Rack/Tower LCD	1
UPS	SMX120RMBP2U	APC Smart-UPS X 120V External Battery Pack	1
UPS	AP9630	APC Network Management Card	1
Cabling		IEC-320-C13 to IEC-320-C14 power cable	4
Cabling		IEC-320-C13 to NEMA L6-30P power cable	1

Early Learning Center Brook Park

Function	Part Number	Description	Quantity
Professional Services		Design, engineer and manage installation of wireless access points	
Cabling		Labor and Materials for structured cabling supporting AP installation	
WAP	MR52	Meraki MR52, 4x4:4 802.11ac Wave 2	32**
WAP		Meraki MR52 5 Year License	32**
Cabling		3' Red CAT6 patch cables	32**
Cabling		7' Red CAT6 patch cables	32**
Switch	MS225-48FP	Meraki MS225-48FP Full POE/POE+ switch	1
Switch		Meraki MS225-48FP 5 Year License	1
Switch	MS225-48	Meraki MS225-48 Non-POE switch	1
Switch		Meraki MS225-48 5 Year License	1
Switch	MA-CBL-40G-1M	Meraki Stacking Cable (1m)	2
Switch	MA-SFP-1GB-SX	Meraki 1 GbE SFP SX Fiber Transceiver	1
Switch	GLC-SX-MMD	Cisco 1000BASE-SX Fiber transceiver	1
Cabling		2M Duplex Multimode Fiber 50/125 OM3 Patch Cable LC/LC	1
UPS	SMX2200RMHV2U	APC Smart-UPS X 2200 Rack/Tower LCD	1
UPS	SMX120RMBP2U	APC Smart-UPS X 120V External Battery Pack	1
UPS	AP9630	APC Network Management Card	1
Cabling		IEC-320-C13 to IEC-320-C14 power cable	4
Cabling		IEC-320-C13 to NEMA L6-30P power cable	1

Early Learning Center Mary Castle

Function	Part Number	Description	Quantity
Professional Services		Design, engineer and manage installation of wireless access points	
Cabling		Labor and Materials for structured cabling supporting AP installation	
WAP	MR52	Meraki MR52, 4x4:4 802.11ac Wave 2	32**

WAP		Meraki MR52 5 Year License	32**
Cabling		3' Red CAT6 patch cables	32**
Cabling		7' Red CAT6 patch cables	32**
Switch	MS225-48FP	Meraki MS225-48FP Full POE/POE+ switch	1
Switch		Meraki MS225-48FP 5 Year License	1
Switch	MS225-48	Meraki MS225-48 Non-POE switch	1
Switch		Meraki MS225-48 5 Year License	1
Switch	MA-CBL-40G-1M	Meraki Stacking Cable (1m)	2
Switch	MA-SFP-1GB-SX	Meraki 1 GbE SFP SX Fiber Transceiver	1
Switch	GLC-SX-MMD	Cisco 1000BASE-SX Fiber transceiver	1
Cabling		2M Duplex Multimode Fiber 50/125 OM3 Patch Cable LC/LC	1
UPS	SMX2200RMHV2U	APC Smart-UPS X 2200 Rack/Tower LCD	1
UPS	SMX120RMBP2U	APC Smart-UPS X 120V External Battery Pack	1
UPS	AP9630	APC Network Management Card	1
Cabling		IEC-320-C13 to IEC-320-C14 power cable	4
Cabling		IEC-320-C13 to NEMA L6-30P power cable	1

Early Learning Center Winding Ridge

Function	Part Number	Description	Quantity
Professional Services		Design, engineer and manage installation of wireless access points	
Cabling		Labor and Materials for structured cabling supporting AP installation	
WAP	MR52	Meraki MR52, 4x4:4 802.11ac Wave 2	32**
WAP		Meraki MR52 5 Year License	32**
Cabling		3' Red CAT6 patch cables	32**
Cabling		7' Red CAT6 patch cables	32**
Switch	MS225-48FP	Meraki MS225-48FP Full POE/POE+ switch	1
Switch		Meraki MS225-48FP 5 Year License	1
Switch	MS225-48	Meraki MS225-48 Non-POE switch	1
Switch		Meraki MS225-48 5 Year License	1
Switch	MA-CBL-40G-1M	Meraki Stacking Cable (1m)	2
Switch	MA-SFP-1GB-SX	Meraki 1 GbE SFP SX Fiber Transceiver	1
Switch	GLC-SX-MMD	Cisco 1000BASE-SX Fiber transceiver	1
Cabling		2M Duplex Multimode Fiber 50/125 OM3 Patch Cable LC/LC	1
UPS	SMX2200RMHV2U	APC Smart-UPS X 2200 Rack/Tower LCD	1
UPS	SMX120RMBP2U	APC Smart-UPS X 120V External Battery Pack	1
UPS	AP9630	APC Network Management Card	1

Cabling		IEC-320-C13 to IEC-320-C14 power cable	4
Cabling		IEC-320-C13 to NEMA L6-30P power cable	1

Forest Glen Elementary

Function	Part Number	Description	Quantity
Professional Services		Design, engineer and manage installation of wireless access points	
Cabling		Labor and Materials for structured cabling supporting AP installation	
WAP	MR52	Meraki MR52, 4x4:4 802.11ac Wave 2	53**
WAP		Meraki MR52 5 Year License	53**
Cabling		3' Red CAT6 patch cables	53**
Cabling		7' Red CAT6 patch cables	53**
Switch	MS225-48FP	Meraki MS225-48FP Full POE/POE+ switch	4
Switch		Meraki MS225-48FP 5 Year License	4
Switch	MS225-48	Meraki MS225-48 Non-POE switch	5
Switch		Meraki MS225-48 5 Year License	5
Switch	MA-CBL-40G-1M	Meraki Stacking Cable (1m)	8
Switch	MA-SFP-1GB-TX	Meraki 1 GbE SFP Copper Transceiver	4
Switch	MA-SFP-1GB-SX	Meraki 1 GbE SFP SX Fiber Transceiver	7
Cabling		2M Duplex Multimode Fiber 50/125 OM3 Patch Cable SC/LC	2
Cabling		2M Duplex Multimode Fiber 50/125 OM3 Patch Cable LC/LC	5
UPS	SMX2200RMHV2U	APC Smart-UPS X 2200 Rack/Tower LCD	2
UPS	SMX3000RMHV2UNC	APC Smart-UPS X 3000 Rack/Tower LCD	1
UPS	SMX120RMBP2U	APC Smart-UPS X 120V External Battery Pack	4
UPS	AP9630	APC Network Management Card	2
Cabling		IEC-320-C13 to IEC-320-C14 power cable	14
Cabling		IEC-320-C13 to NEMA L6-30P power cable	3

Oaklandon Elementary

Function	Part Number	Description	Quantity
Professional Services		Design, engineer and manage installation of wireless access points	
Cabling		Labor and Materials for structured cabling supporting AP installation	
WAP	MR52	Meraki MR52, 4x4:4 802.11ac Wave 2	49**
WAP		Meraki MR52 5 Year License	49**
Cabling		3' Red CAT6 patch cables	49**
Cabling		7' Red CAT6 patch cables	49**
Switch	MS225-48FP	Meraki MS225-48FP Full POE/POE+ switch	2

Switch		Meraki MS225-48FP 5 Year License	2
Switch	MA-SFP-1GB-SX	Meraki 1 GbE SFP SX Fiber Transceiver	2
Switch	GLC-SX-MMD	Cisco 1000BASE-SX Fiber transceiver	1
Cabling		2M Duplex Multimode Fiber 50/125 OM3 Patch Cable SC/LC	1
Cabling		2M Duplex Multimode Fiber 50/125 OM3 Patch Cable LC/LC	1
UPS	SMX2200RMHV2U	APC Smart-UPS X 2200 Rack/Tower LCD	1
UPS	SMX3000RMHV2UNC	APC Smart-UPS X 3000 Rack/Tower LCD	1
UPS	SMX120RMBP2U	APC Smart-UPS X 120V External Battery Pack	3
UPS	AP9630	APC Network Management Card	1
Cabling		IEC-320-C13 to IEC-320-C14 power cable	6
Cabling		IEC-320-C19 to IEC-320-C20 power cable	1
Cabling		IEC-320-C13 to NEMA L6-30P power cable	2

Sunnyside Elementary

Function	Part Number	Description	Quantity
Professional Services		Design, engineer and manage installation of wireless access points	
Cabling		Labor and Materials for structured cabling supporting AP installation	
WAP	MR52	Meraki MR52, 4x4:4 802.11ac Wave 2	47**
WAP		Meraki MR52 5 Year License	47**
Cabling		3' Red CAT6 patch cables	47**
Cabling		7' Red CAT6 patch cables	47**
Switch	MS225-48FP	Meraki MS225-48FP Full POE/POE+ switch	2
Switch		Meraki MS225-48FP 5 Year License	2
Switch	MS225-48	Meraki MS225-48 Non-POE switch	2
Switch		Meraki MS225-48 5 Year License	2
Switch	MA-CBL-40G-1M	Meraki Stacking Cable (1m)	3
Switch	MA-SFP-1GB-TX	Meraki 1 GbE SFP Copper Transceiver	1
Switch	MA-SFP-1GB-SX	Meraki 1 GbE SFP SX Fiber Transceiver	5
Cabling		2M Duplex Multimode Fiber 50/125 OM3 Patch Cable LC/LC	3
UPS	SMX2200RMHV2U	APC Smart-UPS X 2200 Rack/Tower LCD	1
UPS	SMX3000RMHV2UNC	APC Smart-UPS X 3000 Rack/Tower LCD	1
UPS	SMX120RMBP2U	APC Smart-UPS X 120V External Battery Pack	3
UPS	AP9630	APC Network Management Card	1
Cabling		IEC-320-C13 to IEC-320-C14 power cable	8
Cabling		IEC-320-C19 to IEC-320-C20 power cable	1
Cabling		IEC-320-C13 to NEMA L6-30P power cable	2

Winding Ridge Elementary

Function	Part Number	Description	Quantity
Professional Services		Design, engineer and manage installation of wireless access points	
Cabling		Labor and Materials for structured cabling supporting AP installation	
WAP	MR52	Meraki MR52, 4x4:4 802.11ac Wave 2	54**
WAP		Meraki MR52 5 Year License	54**
Cabling		3' Red CAT6 patch cables	54**
Cabling		7' Red CAT6 patch cables	54**
UPS	SMX2200RMHV2U	APC Smart-UPS X 2200 Rack/Tower LCD	3
UPS	SMX120RMBP2U	APC Smart-UPS X 120V External Battery Pack	3
UPS	AP9630	APC Network Management Card	3
Cabling		IEC-320-C13 to IEC-320-C14 power cable	13
Cabling		IEC-320-C13 to NEMA L6-30P power cable	3

Hardware Only:**Belzer Middle School**

Function	Part Number	Description	Quantity
Switch	MS225-48FP	Meraki MS225-48FP Full POE/POE+ switch	2
Switch		Meraki MS225-48FP 5 Year License	2
Switch	MS225-48	Meraki MS225-48 Non-POE switch	4
Switch		Meraki MS225-48 5 Year License	4
Switch	MA-CBL-40G-1M	Meraki Stacking Cable (1m)	4
Switch	MA-SFP-1GB-SX	Meraki 1 GbE SFP SX Fiber Transceiver	4
Cabling		2M Duplex Multimode Fiber 50/125 OM3 Patch Cable SC/LC	4

Harrison Hill Elementary

Function	Part Number	Description	Quantity
WAP	MR52	Meraki MR52, 4x4:4 802.11ac Wave 2	54
WAP		Meraki MR52 5 Year License	54
Cabling		3' Red CAT6 patch cables	54
Cabling		7' Red CAT6 patch cables	54
Switch	MS225-48FP	Meraki MS225-48FP Full POE/POE+ switch	2
Switch		Meraki MS225-48FP 5 Year License	2
Switch	MS225-48	Meraki MS225-48 Non-POE switch	3
Switch		Meraki MS225-48 5 Year License	3
Switch	MA-CBL-40G-1M	Meraki Stacking Cable (1m)	4

Switch	MA-SFP-1GB-TX	Meraki 1 GbE SFP Copper Transceiver	2
Switch	MA-SFP-1GB-SX	Meraki 1 GbE SFP SX Fiber Transceiver	6
Switch	MA-SFP-1GB-LX10	Meraki 1 GbE SFP LX Fiber Transceiver	1
Cabling		2M Duplex Multimode Fiber 50/125 OM3 Patch Cable LC/LC	6
Cabling		2M Duplex Singlemode Fiber Patch Cable SC/LC	1
UPS	SMX2200RMHV2U	APC Smart-UPS X 2200 Rack/Tower LCD	2
UPS	SMX120RMBP2U	APC Smart-UPS X 120V External Battery Pack	2
UPS	AP9630	APC Network Management Card	2
Cabling		IEC-320-C13 to IEC-320-C14 power cable	10
Cabling		IEC-320-C13 to NEMA L6-30P power cable	2

Indian Creek Elementary

Function	Part Number	Description	Quantity
WAP	MR52	Meraki MR52, 4x4:4 802.11ac Wave 2	50
WAP		Meraki MR52 5 Year License	50
Cabling		3' Red CAT6 patch cables	50
Cabling		7' Red CAT6 patch cables	50
Switch	MS225-48FP	Meraki MS225-48FP Full POE/POE+ switch	2
Switch		Meraki MS225-48FP 5 Year License	2
Switch	MS225-48	Meraki MS225-48 Non-POE switch	1
Switch		Meraki MS225-48 5 Year License	1
Switch	MA-CBL-40G-1M	Meraki Stacking Cable (1m)	2
Switch	MA-SFP-1GB-TX	Meraki 1 GbE SFP Copper Transceiver	2
Switch	MA-SFP-1GB-SX	Meraki 1 GbE SFP SX Fiber Transceiver	1
Cabling		2M Duplex Multimode Fiber 50/125 OM3 Patch Cable SC/LC	1
UPS	SUA1000XL	APC Smart-UPS 1000VA XL USB & Serial	1
UPS	SMX2200RMHV2U	APC Smart-UPS X 2200 Rack/Tower LCD	1
UPS	SMX3000RMHV2UNC	APC Smart-UPS X 3000 Rack/Tower LCD	1
UPS	SMX120RMBP2U	APC Smart-UPS X 120V External Battery Pack	3
UPS	AP9630	APC Network Management Card	1
Cabling		IEC-320-C13 to IEC-320-C14 power cable	6
Cabling		IEC-320-C19 to IEC-320-C20 power cable	1
Cabling		IEC-320-C13 to NEMA L6-30P power cable	2

Lawrence Central High School

Function	Part Number	Description	Quantity
Switch	MS225-48	Meraki MS225-48 Non-POE switch	4
Switch		Meraki MS225-48 5 Year License	4
Switch	MA-CBL-40G-1M	Meraki Stacking Cable (1m)	2
Switch	MA-SFP-1GB-SX	Meraki 1 GbE SFP SX Fiber Transceiver	3

Switch	GLC-SX-MMD	Cisco 1000BASE-SX Fiber transceiver	2
Cabling		2M Duplex Multimode Fiber 50/125 OM3 Patch Cable SC/LC	1
Cabling		2M Duplex Multimode Fiber 50/125 OM3 Patch Cable LC/LC	2

Lawrence North High School

Function	Part Number	Description	Quantity
Switch	MS225-48	Meraki MS225-48 Non-POE switch	3
Switch		Meraki MS225-48 5 Year License	3
Switch	MA-CBL-40G-1M	Meraki Stacking Cable (1m)	2
Switch	MA-SFP-1GB-SX	Meraki 1 GbE SFP SX Fiber Transceiver	3
Switch	GLC-SX-MMD	Cisco 1000BASE-SX Fiber transceiver	2
Cabling		2M Duplex Multimode Fiber 50/125 OM3 Patch Cable SC/LC	1
Cabling		2M Duplex Multimode Fiber 50/125 OM3 Patch Cable LC/LC	2

Skiles Test Elementary

Function	Part Number	Description	Quantity
WAP	MR52	Meraki MR52, 4x4:4 802.11ac Wave 2	52
WAP		Meraki MR52 5 Year License	52
Cabling		3' Red CAT6 patch cables	52
Cabling		7' Red CAT6 patch cables	52
Switch	MS225-48FP	Meraki MS225-48FP Full POE/POE+ switch	2
Switch		Meraki MS225-48FP 5 Year License	2
Switch	MS225-48	Meraki MS225-48 Non-POE switch	2
Switch		Meraki MS225-48 5 Year License	2
Switch	MA-CBL-40G-1M	Meraki Stacking Cable (1m)	3
Switch	MA-SFP-1GB-SX	Meraki 1 GbE SFP SX Fiber Transceiver	4
Switch	GLC-SX-MMD	Cisco 1000BASE-SX Fiber transceiver	1
Cabling		2M Duplex Multimode Fiber 50/125 OM3 Patch Cable SC/LC	1
Cabling		2M Duplex Multimode Fiber 50/125 OM3 Patch Cable LC/LC	3
UPS	SMX2200RMHV2U	APC Smart-UPS X 2200 Rack/Tower LCD	1
UPS	SMX3000RMHV2UNC	APC Smart-UPS X 3000 Rack/Tower LCD	1
UPS	SMX120RMBP2U	APC Smart-UPS X 120V External Battery Pack	3
UPS	AP9630	APC Network Management Card	1
Cabling		IEC-320-C13 to IEC-320-C14 power cable	6
Cabling		IEC-320-C19 to IEC-320-C20 power cable	1
Cabling		IEC-320-C13 to NEMA L6-30P power cable	2

Professional Services Detail

- Engineering requirements
 - One access point per classroom minimum
 - Total coverage of building to enable seamless client migration throughout the building
 - Design should accommodate expected client loads of all areas without degradation of performance to clients
 - Classroom shall support minimum of 30 clients
 - Gym, cafeteria and lecture areas shall support minimum of 60 clients
 - Shall support traffic consisting of multimedia rich content in addition to video streaming
- Installation requirements
 - Mount access points per design presented
 - Install patch panel(s) in designated racks/cabinets in support of wireless
 - Install CAT6 cabling from designated wiring closet to location of WAPs
 - Shall be terminated on patch panel(s) in closets
 - Shall be terminated with female RJ45 plug in ceiling
 - Connect WAP to feeding CAT6 using red CAT6 patch cable
 - Connect WAP feed on patch panel to designated switch ports in closet
 - Label all network drops as designated
 - Label all access points as designated, including access point name, e-rate funding year, and e-rate FRN
 - Protective enclosures are to be included in quote and shall be installed/mounted in any athletic area where the access points could be damaged if exposed.

PRICING

- Each proposal shall provide a separate section listing for each school/entity with all costs associated with the proposal.
- Each line item on proposal should clearly list the following information:
 - Location (Building Name)
 - Quantity
 - Manufacturer
 - Part Number
 - Description
 - Unit Price
 - Extended Price
 - Classification (See categories below)
 - Classification for each line item of products/services in a separate column on the proposal/bid from one of the following categories:
 - Cabling or Connectors
 - Caching (equipment or recurring service)
 - Data Distribution (router or switch)
 - Data Protection (firewall or UPS)

- Miscellaneous (installation or training) – For training, please include who is doing the training, who is being trained, and when the training will take place.
- Racks
- Software (Operating System Software of Eligible Equipment)
- Wireless Data Distribution (Antenna, Access Point, or LAN Controller)
- Labor pricing for installation of Access Points and communication racks must be listed separate.
- Any ongoing subscription pricing must be listed separate.
- Licenses, software, and basic maintenance for the adequate performance of eligible components should be included in proposal.
- If applicable, vendor is to specify change fees, freight assurance fees, shipping charges, taxes, surcharges and contingency fees for eligible equipment.
- If applicable, vendor is to specify the manufacturer's warranty provided as an integral part of an eligible component without separately identifiable cost.
- While price will be the most heavily weighted factor in our evaluation of the bids, the School Corporation reserves the right to award the proposal to the best-qualified vendor.
- Each Category 2 proposal must be accompanied with a bid bond representing 5% of the project and a non-collusion affidavit.
- Vendors selected will need to submit a performance bond representing 5% of the dollar value of the entire Category 2 project within 30 days from being notified that they were the successful bidder for the Category 2 project.

POST INSTALLATION REQUIREMENTS

- For cabling, contractor shall provide documents showing the locations of all cabling drops installed as part of this project and all MDF/IDF locations (as-built drawings).
- For access points, vendor will be required to provide post-installation documentation to validate density and coverage for the building. This should include heat map documents for both 2.4Ghz and 5Ghz frequencies, providing radio frequency coverage and signal measurements of -65 dB or greater.

REFERENCES

The vendor must include a list of at least three (3) clients for whom the vendor has provided products and/or services that are the same or similar to those products and/or services requested in this RFP. Information provided should include the name, address, and telephone number of the client facility and the name, title, and phone/fax numbers of a person who may be contacted for further information. In addition, a brief description of services rendered for the reference should be included.

TIMELINE

- Bids Due 2017-03-03 at 02:00 PM EDT
- Bids Opened 2016-03-03 at 02:00 PM EDT
- Target date for review of proposals 2017-03-07
- Anticipated selection of vendor 2016-03-13

EVALUATION CRITERIA

Criteria
Total Cost
Best solution and fit for MSDLT network (ease of management and lack of need for professional development)
Quality of proposed solution and agreement with specifications <ul style="list-style-type: none"> • Technical specifications and equivalency with specified equipment • Reliability/Uptime • Upgradability • Ease of management
Experience, Capabilities, Strength, References of Vendor <ul style="list-style-type: none"> • Vendor experience and references • Authorized deal/reseller of all proposed equipment • Vendor personnel
Local or in-state vendor

POINT OF CONTACT

Updates, addendums, and all questions posed to this RFP will be provided at the website: www.itschools.org/E-Rate or by contacting John McFarland at erate@msdl.t.k12.in.us.

Any questions concerning technical specifications or Statement of Work (SOW) requirements must be directed to:

John McFarland
 Chief Technology Officer
 MSD of Lawrence Township
 6501 Sunnyside Road
 Indianapolis, IN 46236
erate@msdl.t.k12.in.us

