



# SMART SCHOOLS PUBLIC FORUM

June 14, 2016

6pm – Board of Education Room

Lewiston-Porter CSD



# SMART SCHOOLS

In 2014, New York Governor Andrew Cuomo called for a technology investment of \$2 billion into schools across the state. This initiative became a public referendum that was approved by voters in November 2014.

The Lewiston-Porter CSD's Smart Schools Bond allocation is **\$1,354,745.**

Beginning work in the 2016-17 school year - the district is looking to upgrade the high tech security features of the campus.



# SMART SCHOOLS – PROJECT 1

## School Connectivity

We are looking to further increase the “guts” of our district. We will do an e-rate project this year that will increase our wireless infrastructure to improve connectivity for students to get access to information via the Internet. As we move towards establishing a 1:1 environment across the district we need to make sure our infrastructure can support these devices.

In conjunction with this project we will need to add infrastructure to upgrade our security system. We will be installing a new video surveillance system across the district that will be run through our internet. To make sure it works appropriately we need to expand our infrastructure further than the e-rate project.



# SMART SCHOOLS – PROJECT 1



## School Connectivity

What are we looking to purchase?

- Internet switches
- Power supplies
- Transceivers
- Connection cable
- Smart UPS Backup Switches



# SMART SCHOOLS – PROJECT 1 - Cost

Part	Description	Quantity	Unit Cost	Total Cost
10 GB Base LR Transceiver	1-port 10GBASE – LR Small Form Factor Pluggable 10GB Ethernet Transceiver (Single Mode)	6	\$918.16	\$5,508.96
10 GB Base SR Transceiver	1-Port 10GBASE – SR Small Form Factor Pluggable 10GB Ethernet Transceiver (MultiMode)	20	\$336.16	\$7,323.20
10GB Base LRM Transceiver	1-Port 10GBASE – LRM Small Form Factor pluggable 10GB Ethernet Transceiver (MultiMode)	32	\$439.76	\$14,072.32
Routing Switches Power Supply	4800GTS-PWR+ 100W AC Redundant Power Supply (use with ERS4850GTS-PWR+)	19	\$327.95	\$6231.05
Stacking Cable 1.5m (5ft)	Ethernet Routing Switch cable)	1	\$101.57	\$101.57
Internet Routing Switches	ERS 4850GTS-PWR+ with 40 802.3at PoE + & 2 SFP ports includes license at 46cm stack cable	19	\$2,315.25	\$43,989
Power Backup	Smart UPS 2000VA/1980W	15	\$865.82	\$12,987.30
Totals				\$90,213.40



# SMART SCHOOLS – PROJECT 6

## High Tech Security

We are looking out for the safety of our students. We are looking to move away from an old analog DVR security system to a new state of the art – digital video camera surveillance system.

This will give us better coverage to monitor behavior across the campus. Cameras will be digital, high definition and rotatable 270 degrees! They will We will be able to keep video for longer periods of time than we could under the old analog system. (5 days vs. 30 days)



# SMART SCHOOLS – PROJECT 6 - Cost

Item	Description	Qty	Unit Price	Cost
<b>Storage</b>				
DS Server (20TB)	Video Storage Server	5	\$ 9,436.50	\$ 47,182.50
DS Server (24TB)	Video Storage Server	6	\$ 10,516.50	\$ 63,099.00
<b>Cameras</b>				
EVO-05LID	Indoor Surface Camera	46	\$ 584.10	\$ 26,868.60
IME-319-1EP	IP Sarix Camera	6	\$ 1,079.10	\$ 6,474.60
IME-319-1I	IP Sarix Camera POE Dome	22	\$ 944.10	\$ 20,770.20
IBP519-ER	IP Sarix Camera Env Bullet IR Cam POE 24V	2	\$ 1,468.80	\$ 2,937.60
IMP519-1I	IWP HSaTriXP Ind POE 24V Mdome 5MP	7	\$ 801.90	\$ 5,613.30
IMM12018-1EP	IMM 12MP 180 Envrmntl Vandl	17	\$ 1,664.10	\$ 28,289.70
IMM12018-1I	IMMINMD 1M2MP 180 INDOR	7	\$ 1,529.10	\$ 10,703.70
IMM12027-1EP	IWMHMT 12MP 270 Envrmntl Vandl	41	\$ 1,664.10	\$ 68,228.10
IMM12027-1I	IMMINMD 1M2MP 270 INDOR Vandl	30	\$ 1,529.10	\$ 45,873.00
<b>Mounts</b>				
WMVE-SR	Wall Bount Vandal Resist	55	\$ 40.50	\$ 2,227.50
IMM-CM	OuterCorner Mount	41	\$ 89.10	\$ 3,653.10
<b>Wireless Links</b>				
NWK1	Point to Point Wireless Ethernet Kit	2	\$ 900.00	\$ 1,800.00
<b>Licenses</b>				
DS-SW-CAM	DS Camera License Fee for IP Cameras	90	\$ 106.20	\$ 9,558.00
Misc	Misc Install Material			\$ 5,000.00
<b>Equipment Total</b>				<b>\$ 348,278.90</b>

Item	Description	Hours	Unit Cost	Total Cost
LABOR	Security System Technician	225	\$ 98.00	\$ 22,050.00
LABOR	Security System Engineer	120	\$ 110.00	\$ 13,200.00
LABOR	Security System Technical Support	280	\$ 110.00	\$ 30,800.00
LABOR	Security System Project Manager	120	\$ 115.00	\$ 13,800.00
Installation	Electrical Subcontractor (RFP - district chooses) Estimate			\$ 110,400.00
<b>Labor Total</b>				<b>\$ 190,250.00</b>
<b>Total Cost</b>				<b>\$ 538,528.90</b>



# QUESTIONS?

PLEASE DIRECT QUESTIONS TO:

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