

Attachment - C

Project: Low Voltage Integration Systems



On Behalf of



Offer of Services General Instructions

SHEET	ITEM	INSTRUCTION
Premise Distribution Systems	Cost Items	All cells in the spreadsheet must be filled out completely.
Audio Visual Systems	Cost Items	All cells in the spreadsheet must be filled out completely.
Electronic Safety and Security	Cost Items	All cells in the spreadsheet must be filled out completely.
Fire Alarm	Cost Items	All cells in the spreadsheet must be filled out completely.
Material / Labor Cost Worksheet	Cost Items	Cost should be broken out by material and installation (The installation column should include everything needed to install a cost item except for material cost).
Bid Additions Worksheet	Cost Items	Include Builders Risk Insurance costs in the cell provided.
Bid Additions Worksheet	Cost Items	Include Payment & Performance Bond costs in the cell provided.
Voluntary Alternates	Cost Items	Voluntary Alternates shall be included on the Alternate Summary Tab. All Voluntary Alternates are required to include and clearly identify an equitable adjustment to General Requirements, General Conditions, and Contractor Fee. Contractors that are invited to Technical Interviews shall be prepared to review in detail all proposed Voluntary Alternates including but not limited to material, equipment, manufacturer substitutions and also any optimization of project sequencing or systems. Contractor must also clearly identify any Voluntary Alternates that may not be accepted in parallel with other Voluntary Alternates.
Unit Pricing Worksheet	Cost Items	All tabs should be filled out completely or the response will be considered a non-compliant response.

Premise Distribution Systems



On Behalf of
FORT SMITH
 PUBLIC SCHOOLS

Company Name:

Address:

Contact Name:

Phone No.:

Email:

Labor Rates

Line #	Description	Proposed Rate \$/Hr	Notes:
1	Installation Labor 8-5 M-F		
2	Service Labor 8-5 M-F		
3	Installation Labor After Hours / Holidays		
4	Service Labor After Hours / Holidays		


Service Level Commitments

Line #	Description	Hours	Notes:
1	Business hours (M-F) to initiate service from receipt of authorization of non-emergency requests.		<i>Fort Smith Public Schools requires a 2 Hour or less response time for non-emergency requests.</i>
2	Hours (after hours) to initiate service from receipt of authorization of emergency requests.		<i>Fort Smith Public Schools requires a 2 Hour or less response time for emergency requests.</i>

Common Service Items

Line #	Description	Proposed Price	Unit	Notes/Assumptions
	<i>For all of the following items, consult the following Fort Smith PS technical specification sections for details of acceptable manufacturers, component details and installation expectations: 27 0500, Common Work Results for Communications 27 1000, Structured Cabling</i>			
1	Provide labor and materials for the installation, termination and testing of 1-50 Category 6, plenum rated cables.		Each	Assumptions: Cable length average 200', pathway consumables are required for J-hook supported pathways. Price shall include a new insert, four port faceplate, 6 foot patch cable for the workstation and 3 foot patch cable in the nearest comm room. Labeling, testing is required.
2	Provide labor and materials for the installation, termination and testing of 51-150 Category 6, plenum rated cables.		Each	Same
3	Provide labor and materials for the installation, termination and testing of 151-250 Category 6, plenum rated cables.		Each	Same
4	Provide labor and materials for the installation, termination and testing of 101-250 Category 6, plenum rated cables.		Each	Same
5	Provide labor and materials for the installation, termination and testing of 250+ Category 6, plenum rated cables.		Each	Same
6	Provide labor and materials for the installation, termination and testing of 1-50 Category 6A, plenum rated cables.		Each	Assumptions: Cable length average 200', pathway consumables are required for J-hook supported pathways, terminated on each end with a Cat 6A Minicom Panduit module. Price shall include a new insert, four port faceplate, 6 foot patch cable for the workstation and 3 foot patch cable in the nearest comm room. Labeling, testing is required.
7	Provide labor and materials for the installation, termination and testing of 51-150 Category 6A, plenum rated cables.		Each	Same
8	Provide labor and materials for the installation, termination and testing of 151-250 Category 6A, plenum rated cables.		Each	Same
9	Provide labor and materials for the installation, termination and testing of 101-250 Category 6A, plenum rated cables.		Each	Same
10	Provide labor and materials for the installation, termination and testing of 250+ Category 6A, plenum rated cables.		Each	Same
11	Provide labor and materials for modular patch panel 24 port, Category 6A, installed in 19-inch equipment rack.		Each	Same
12	Provide labor and materials for modular patch panel 48 port, Category 6 cable, installed in 19-inch equipment rack.		Each	
13	Provide labor and materials for the installation, termination and testing of a 12-strand OM4 indoor-outdoor, armored, plenum rated multimode fiber optic backbone cable. Includes LC connectors installed on both ends of all strands, modular fiber patch panel at both ends, and all strands connected to the patch panels.		Feet	
14	Provide labor and materials for the installation, termination and testing of a 12-strand single mode indoor rated armored, plenum rated fiber optic backbone cable. Includes LC connectors installed on both ends of all strands, modular fiber patch panel at both ends, and all strands connected to the patch panels.		Feet	

15	Provide labor and materials for the installation, termination and testing of a 24-strand single mode indoor rated armored, plenum rated fiber optic backbone cable. Includes LC connectors installed on both ends of all strands, modular fiber patch panel at both ends, and all strands connected to the patch panels.		Feet	
16	Provide labor and materials for the installation, termination and testing of an indoor/outdoor rated 12-strand armored, plenum rated single mode fiber optic backbone cable. Includes LC connectors installed on both ends of all strands, modular fiber patch panel at both ends, and all strands connected to the patch panels.		Feet	
17	Provide labor and materials for the installation, termination and testing of indoor/outdoor rated 24-strand armored, plenum rated single mode fiber optic backbone cable. Includes LC connectors installed on both ends of all strands, modular fiber patch panel at both ends, and all strands connected to the patch panels.		Feet	
18	Provide factory-made, duplex single mode fiber optic patch cable, 36-inch length, LC connectors.		Each	
19	Provide factory-made, duplex OM4 multimode mode fiber optic patch cable, 36-inch length, LC connectors.		Each	
20	Provide APC rack-mounted uninterruptible power supply, 2RU or 3RU, 1500VA, NEMA L5-30P 120V input connection, six NEMA 5-15R and two NEMA 5-20R output connections at 120V nominal output voltage.		Each	
21	Provide labor and materials for the installation of a 19-inch floor-mounted equipment rack, 2 post, 84 inch height, load rating 400 lb.		Each	
22	Provide labor and materials for the installation of a 19-inch floor-mounted equipment rack, 4 post, 84 inch height, load rating 1000 lb, 23 inch depth.		Each	
23	Provide labor and materials for the installation of a 12RU wall-mounted equipment rack, 22 inches high, 23 inches deep, minimum load rating 150 lb.		Each	
24	Provide labor and materials for the installation of a 45RU floor-mounted equipment cabinet, 84 inch height, 29 inch depth, load rating 3000 lb, hinged and lockable solid metal front and rear doors, all black, roof-mounted 550 cfm fan with filter, power strip.		Each	
25	Provide labor and materials for the installation of a 12RU wall-mounted equipment cabinet, 22 inch height, 29 inch depth, load rating 150 lb, hinged and lockable front solid metal door, all black, roof-mounted 250 cfm fan with filter, power strip.		Each	
26	Provide labor and materials for the installation of a cabinet mounted secondary bonding busbar (SBB).		Each	
27	Provide labor and materials for the installation of a rack mounted horizontal secondary bonding busbar (SBB) in a 19-inch or 23-inch equipment rack.		Each	
28	Provide labor and materials for the installation of a rack mounted vertical secondary bonding busbar (SBB), 72-inch, for attachment to an equipment rack.		Each	
29	Provide labor and materials for the installation of a primary grounding bus bar, pre-drilled, wall-mounted, rectangular hard-drawn solid copper, 1/4 by 4 inches in cross section, 12 inches long.		Each	
30	Provide labor and materials for the installation of a secondary grounding bus bar, pre-drilled, wall-mounted, rectangular hard-drawn solid copper, 1/4 by 4 inches in cross section, 12 inches long.		Each	
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Miscellaneous Components and Materials				
Line #	Description	Proposed % Discount		Notes:
1	Minimum percent discount from manufacturer's catalog price for any products and services the Integrator may offer to be used on an as needed basis for any FSPS needs. The percent discount is separate from any specific pricing provided herein. It is intended for all other products and services the Integrator may provide, including future items that may not yet be currently available. If awarded, this minimum percent discount shall hold firm throughout the contract. This is a minimum discount but the Integrator may always lower your price to be more competitive in a particular situation. Integrator shall provide documentation of the catalog price upon request.			

Audio Visual Systems			
Company Name:			
Address:			
Contact Name:			
Phone No.:			
Email:			
Labor Rates			
Line #	Description	Proposed Rate \$/Hr	
1	Installation Labor 8-5 M-F		
2	Service Labor 8-5 M-F		
3	Installation Labor After Hours / Holidays		
4	Service Labor After Hours / Holidays		
Service Level Commitments			
Line #	Description	Hours	
1	Business hours (M-F) to initiate service from receipt of authorization of non-emergency requests.		£
2	Hours (after hours) to initiate service from receipt of authorization of emergency requests.		
Common Service Items			
Line #	Description	Proposed Price	Unit
	<i>For all of the following items, consult the following Fort Smith PS technical specification sections for details of acceptable manufacturers, component details and installation expectations: 11 5200, Audio-Visual Equipment 11 5213, Projection Screens 27 4116, Integrated Audio-Video Equipment 27 5116, Public Address Systems 27 5313, Clock Systems</i>		
1	Provide materials and labor to install Epson PowerLite 980W ceiling mounted projector and wall-mounted HDMI transmitter / receiver kit in a classroom.		Each
2	Provide materials and labor to install Epson Pro L1500UH ceiling mounted projector and wall-mounted HDMI transmitter / receiver kit in a library or media space.		Each
3	Provide materials and labor to install Epson PowerLite L610U ceiling mounted projector and wall-mounted HDMI transmitter / receiver kit in a conference room or teacher resource room.		Each
4	Provide materials and labor to install a projector screen in a conference room / teacher resource room.		Each
5	Provide materials and labor to install a projector screen in a library / medial center.		Each
6	Provide materials and labor to install a 75 inch Samsung flat panel display, including FPD and mount.		Each
7	Shure SLX2/Beta 58 handheld microphone.		Each
8	Shure SLX1 wireless body pack transmitter.		Each
9	Shure WL185 wireless lavalier microphone.		Each
10	Shure SM58 wired handheld microphone.		Each
11			
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13			

14			
15			
Miscellaneous Components and Materials			
Line #	Description	Proposed % Markup	
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Notes:

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Notes/Assumptions

Should a specified device model be discontinued by the manufacturer, approval of the replacement model and associated contract price to FSPS will be negotiated between the parties.

Assume drop-in ceiling, no existing pole, existing power, new mount per spec.


Assume no existing pole, existing power, new mount per spec.

Assume no existing pole, existing power, new mount per spec.

Assume 50x80 inch manual screen.

Assume 100x160 inch recessed motorized screen.

Notes:

Electronic Safety and Security			
Company Name:			
Address:			
Contact Name:			
Phone No.			
Email:			
Labor Rates			
Line #	Description	Proposed Rate \$/Hr	
1	Installation Labor 8-5 M-F		
2	Service Labor 8-5 M-F		
3	Installation Labor After Hours / Holidays		
4	Service Labor After Hours / Holidays		
Service Level Commitments			
Line #	Description	Hours	
1	Business hours (M-F) to initiate service from receipt of authorization of non-emergency requests.		£
2	Hours (after hours) to initiate service from receipt of authorization of emergency requests.		
Common Service Items			
Line #	Description	Proposed Price	Unit
	<i>For all of the following items, consult the following Fort Smith PS technical specification sections for details of acceptable manufacturers, component details and installation expectations: 28 1300, Access Control 28 2300, Video Surveillance 28 3100, Intrusion Detection</i>		
1			
2	Type 1 - Single Door - with new card reader & new electric strike. Card reader pathway is 3/4" conduit, surface mounted to new single gang back box. Door contact is surface mounted with surface mounted raceway to accessible ceiling space. RX function via surface mounted PIR motion detection and surface mounted raceway.		Each
3	Type 2 - Single door with new card reader and new electronic latch retraction. Card reader pathway is 3/4" conduit pathway, surface mounted to new SG back box. Door contacts are surface mounted with surface mounted raceway to accessible ceiling space. RX function integrated into latch retraction. Integrated RX and hardware power pathway with surface raceway, single gang back box and armored loop.		Each
4	Type 3 - Double door with new card reader and new electric strike. Card reader pathway is 3/4" conduit, surface mounted to new SG back box. Two door contacts are surface mounted with surface mounted raceway to accessible ceiling space. RX function via surface mounted PIR motion detection and surface mounted raceway.		Each
5	Type 4 - Double door with card reader, latch retraction and integrated request to exit on one leaf and integrated request to exit only on second leaf. Card reader pathway is 3/4" conduit pathway, surface mounted to new single gang back box. Two door contacts are surface mounted with surface mounted raceway to accessible ceiling space. Integrated RX and hardware power pathway with surface raceway, single gang back box and armored loop.		Each
6	Type 5 - Double door with card reader, latch retraction and integrated request to exit on both leafs. Card reader pathway is 3/4" conduit pathway, surface mounted to new single gang back box. Two door contacts are surface mounted with surface mounted raceway to accessible ceiling space. Integrated RX and hardware power pathway with surface raceway, single gang back box and armored loop.		Each
7	Add new two-door controller to existing access control enclosure.		Each
8	Add new I/O board into existing access control enclosure.		Each
9	Add new surface mounted door contacts with surface raceway.		Each
10	Provide and install new surface mounted PIR request to exit over single / double door with surface mounted back box and raceway.		Each

11	Provide and install new surface mounted card reader with surface mounted 3/4" conduit pathway with single gang back box.		Each
12	Provide and install new surface mounted card reader and keypad combination with surface mounted 3/4" conduit pathway with single gang back box.		Each
13	Provide and install new Keri NXT-2D MSC 2 Door/4 Reader TCP/IP Controller.		Each
14	Provide and install new Keri NXT-2D MSC 4 Door/8 Reader TCP/IP Controller.		Each
15	Provide and install new Keri NXT-RM3 Reader Interface Module.		Each
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Miscellaneous Components and Materials			
Line #	Description	Proposed % Markup	
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Notes/Assumptions

General assumptions for all door locations: Cable distance from door to panel is no greater than 200'. Cable jacket is plenum rated. J-hook pathways shall be required. Sleeve penetrations are available above ceiling where required. Panel space is available. Costs shall also include license for the new portal being added to the system, programming labor, installation labor and testing for functionality.

Assumes cost for installation labor including the modifications to the door frame. No changes to door hardware or mullion upgrades are needed.

Assume no further modifications to door hardware or mullion upgrades are required.

Assumes cost for installation labor including the modifications to the door frame. No changes to door hardware or mullion upgrades are needed.

Assume no further modifications to door hardware or mullion upgrades are required.

Fire Alarm Systems



On Behalf of



Company Name:

Address:

Contact Name:

Phone No.:

Email:

Labor Rates

Line #	Description	Proposed Rate \$/Hr	Notes:
1	Installation Labor 8-5 M-F		
2	Service Labor 8-5 M-F		
3	Installation Labor After Hours / Holidays		
4	Service Labor After Hours / Holidays		

Service Level Commitments

Line #	Description	Hours	Notes:
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Common Service Items

Line #	Description	Proposed Price	Unit	Notes/Assumptions
	<i>For all of the following items, consult the following Fort Smith PS technical specification sections for details of acceptable manufacturers, component details and installation expectations: 28 4621.11, Addressable Fire Alarm Systems</i>			<i>All part numbers specified are for Siemens systems, per 28 4621.11</i>
1	Wire & Cable - Signaling Line Circuits - Annunciator Data: Twisted pair, not less than No. 18Awg or as recommended by the manufacturer.		LF	7080PL
2	Wire & Cable - Signaling Line Circuits - Intelligent Loop: Twisted pair, not less than No. 18Awg or as recommended by the manufacturer.		LF	7080PL
3	Wire & Cable - Circuit Integrity Cable - Required to meet NFPA or Local Code Requirements and to meet National Electric Code, power limited fire alarm service.		LF	2HR-CTU16A0102
4	Wire & Cable - Horn and Visual: 12AWG THNN or FPLP or as recommended by the manufacturer.		LF	7140PL-WHT
5	Batteries.		Each	UBCD5745
6	Automatic Battery Charger.		Each	BUILT INTO PERIPHERY, FCI2016-U1
7	Intelligent Digital System Smoke Detector.		Each	OP921
8	Beam Smoke Detector.		Each	F500
9	Elevator Lobby Smoke Detector.		Each	OP921
10	Elevator Machine Room Smoke Detector.		Each	OOH941
11	Elevator Hoistway Smoke Detector.		Each	OOH941
12	Intelligent Photoelectric Smoke Detector.		Each	OP921
13	Intelligent Duct Photoelectric Duct Smoke Detector		Each	OP921
14	Duct Smoke Detector.		Each	FDBZ492-HR DUCT HOUSING WITH RELAY

15	Intelligent 3D Multi Sensor Detector - (Photo, Thermal and Time).		Each	OOHC941 (SMOKE, HEAT, CARBON)
16	Fixed Temperature Heat Detector.		Each	DT-135F, DT-200F
17	Rate of Rise Heat Detector.		Each	DT-135R, DT-200R
18	Intelligent 135 Degree Fixed Temperature Heat Detector.		Each	HI921
19	Heat Detector Base.		Each	DB-11
20	Visual Notification Appliance.		Each	SLSWR-F WALL RED, SLSCR-F CEILING RED
21	Audible Notification Appliance.		Each	SLHWR WALL RED, SLHCR-N CEILING RED
22	Speaker / Strobe Notification Appliance.		Each	SLSPSWR-F WALL RED, SLSPSCR-F CEILING RED
23	Horn Notification Appliances.		Each	SLHWR WALL RED, SLHCR-N CEILING RED
24	Audible Detector Mounting Base.		Each	ABHW-4B, ABHW-4S LOW FREQ
25	Control Panel.		Each	FCM2018-U3
26	NAC Control Module.		Each	FCI2011-U1
27	Remote Annunciator.		Each	FT2015-U3
28	LCD Annunciator.		Each	FT2014-U3
29	NAC Power Supply.		Each	PAD-4-9A
30	Intelligent Relay Module.		Each	HTRI-R
31	Intelligent Input Module.		Each	HTRI-S
32	Intelligent Output Module.		Each	FDCIO422
33	Digital Dialer.		Each	FCA2015-U1
34	Manual Pull Stations.		Each	HMS-D
35	Water Flow Monitoring Module		Each	HTRI-S, HTRI-D, OR FDCIO422
36	FA Elevator Interface Cabinet.		Each	FDCIO422
37	Ethernet Port.		Each	VN2001-A1
38	Magnetic Door Holder.		Each	D370C
39	Key to Access Locked and Tamper Proof Components.		Each	T45

40	Visual Inspection per NFPA72 Visual Inspection Table - (Prior to any other testing).		Each	
41	Weekly Maintenance Test and Inspection.		Each	
42	Monthly Maintenance Test and Inspection.		Each	
43	Quarterly Maintenance Test and Inspection.		Each	
44	Semi-Annual Maintenance Test and Inspection.		Each	
45	Annual Maintenance Test and Inspection.		Each	
46	Yearly Detector Sensitivity Testing.		Each	
47	Reacceptance Testing for Proper Operation of Added or Replaced Devices and Appliances.		Each	
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Miscellaneous Components and Materials

Line #	Description	Proposed % Markup	Notes:
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