

Pardeeville Area School District
Technology Infrastructure Improvement Project

Pardeeville, WI - Project # 18022

Request For Proposal

at

Pardeeville Area School District

**120 Oak Street
Pardeeville, WI 53954**

For Information Contact:

Kevin Marszalek, RCDD
KMT Design
PO Box 228
Oregon, WI 53575
Phone: 608-444-6067
E-Mail: Marszalek@gmx.com

1 INTRODUCTION

1.1 PURPOSE OF THIS REQUEST FOR PROPOSALS

Pardeeville Area School District shall receive sealed proposals for infrastructure and technology upgrades in accordance with the requirements of this Request For Proposals (RFP). Please read this entire package before responding.

THE FOLLOWING TECHNOLOGY SERVICES ARE INCLUDED IN THE RFP:

Wireless Access System including Server and Access Points
Paging, Public Address and Bell System
Video Surveillance System
Card Access and Intercom System

There are three purposes to this proposal. First it shall serve to solicit proposals. Second, it shall hasten contract negotiation since it contains PARDEEVILLE AREA SCHOOL DISTRICT'S contract requirements. Finally, the Contractor shall use it as an installation guide.

1.2 CONSULTANT RELATIONSHIP

KMT Design has been retained to assist with the acquisition and implementation of the Technology Systems specified in the RFP Document. KMT's role includes but is not limited to:

- Preparation of this RFP
- Coordination of the bidding process
- Evaluation of the Responses to the RFP
- Assistance in oversight of the implementation

All decisions shall rest with the PARDEEVILLE AREA SCHOOL DISTRICT. All inquiries regarding this RFP should be addressed to KMT and PARDEEVILLE AREA SCHOOL DISTRICT:

Kevin Marszalek, RCDD
KMT Design
PO Box 228
Oregon, WI 53575
Phone: 608-444-6067
E-Mail: Marszalek@gmx.com

Tina McElroy
PARDEEVILLE AREA SCHOOL DISTRICT
120 Oak Street
Pardeeville, WI 53594
608-429-2153 x257
E-Mail: mcelti@pasdwi.org

1.3 BACKGROUND INFORMATION

PARDEEVILLE AREA SCHOOL DISTRICT is seeking proposals for the installation of Wireless System, Network, Paging System and Security Upgrades in conjunction with the construction of a new Fine Arts Building addition and the renovation of several existing areas.

1.4 CALENDAR OF EVENTS

RFP Released	April 13, 2018
Question Submission Deadline	April 27, 2018
Proposal Due	May 9, 2018
Award Of Contract	May 2018
Remodel Completion	August 15, 2018
Substantial Completion of Installation	February 2019

2 CONTRACTOR QUALIFICATIONS

2.1 INSTALLATION EXPERIENCE

2.1.1 EXPERIENCE

The Contractor must be a bona fide company with a verifiable history of installations. Refer to Specific Technical Sections for additional requirements.

The Contractor must have completed a minimum of three (3) similar projects within the previous twelve (12) month period.

2.1.2 INSPECTABLE CUSTOMER SITES

The Contractor must have at least two (2) installed and operating systems at customer sites available for inspection. A representative of the Contractor shall be required to accompany designated PARDEEVILLE AREA SCHOOL DISTRICT and KMT personnel on an inspection of these sites if requested.

2.1.3 INTEGRITY

The Contractor's past performance in regard to compliance with applicable laws, business ethics, and integrity is important to PARDEEVILLE AREA SCHOOL DISTRICT.

2.1.4 CONTRACTOR CONTACT

The Contractor shall have on site a project supervisor who shall act as the primary point of contact for PARDEEVILLE AREA SCHOOL DISTRICT and the Consultant. A synopsis of the project supervisor's experience in similar projects should be attached to your response.

2.2 KEY INSTALLATION PERSONNEL

A copy of the resumes or a synopsis of the experience is required for all of the Contractors key personnel.

2.3 BACKGROUND CHECKS OF ALL ON-SITE PERSONNEL

If selected, the contractor will be required to provide exact names and date of birth of all personnel who will work on the school district site. A background check may be performed for compliance with the School District's safety policies.

3 PROPOSAL PROCEDURES

3.1 SCOPE AND PRICING OF PROPOSALS

The Technology Systems that are the subject of this RFP consists of the following components as described in the RFP Technical Sections:

- Installation of all necessary components to upgrade the Wireless Network for the Pardeeville Area School District;
- Installation of components to expand the Paging and Bell System;
- Installation of Video Surveillance devices to upgrade the Pardeeville Area School District security system.
- Installation of additional devices to expand the card access system.

Proposals shall include all labor, materials, and services necessary to deliver the above components as described in this RFP to the PARDEEVILLE AREA SCHOOL DISTRICT.

ANY WORK THAT WILL INTERFERE WITH STUDENT AREAS MUST BE DONE OFF HOURS – BETWEEN 4 PM AND 12 AM or on weekends. This work includes, but is not limited to, overhead cable pulls, installation of raceway and cabling within, termination of station cabling, installation of hardware in classroom areas and student areas, etc. This cost must be factored into the Contractors RFP Bid Price. Contractor must clean work area daily and protect student and employee areas from falling debris when opening ceiling tiles.

Also, any travel cost incurred by the contractor must be factored into the Contractors RFP Bid Price.

3.2 MATERIAL INFORMATION

The Contractor shall provide all documents necessary to support the proposal, including the manufacturer's specifications for all proposed equipment such as: WAPs, Paging speakers and Head End, cable, terminating and protection devices and peripheral systems.

3.3 SITE SURVEY & PRE PROPOSAL CONFERENCE

There will not be a pre proposal conference.

Contractors are required to view all drawings and documents plans for purposes of quoting wiring and related costs. PARDEEVILLE AREA SCHOOL DISTRICT may provide available documentation, but is not responsible for the accuracy of these records. KMT may provide design information, but Contractors are expected to verify the suitability of this material in the context of the proposed system. Contractors shall submit a detailed description of all proposed wiring provisions.

Drawings are available from the MIRON CONSTRUCTION Plain room.

3.4 PRELIMINARY INFORMATION

Any information which may have been released either verbally or in writing prior to the issuance of this RFP shall be deemed preliminary and bind neither PARDEEVILLE AREA SCHOOL DISTRICT nor the Contractor.

3.5 CONTRACTOR SITE REQUIREMENTS

Contractors should provide specification, requirements, and descriptions, etc. of the facilities required for on-site storage of equipment and materials during project implementation.

3.6 RESPONSE FORMAT

3.6.1 COMPLETE PROPOSAL REQUIRED

Proposals shall be complete and include a Pricing Schedule in the specified format, a project schedule, and specified technical, financial, and customer-reference materials.

3.6.2 PRICING SCHEDULE

A pricing schedule is attached to the front end. The contractor shall completely fill out the schedule and submit it as the bid document.

3.6.2.1 CORRESPONDENCE TO RFP

Items on the provided Pricing Schedule shall conform exactly to the referenced items listed in the RFP.

3.6.2.2 QUALIFICATIONS

Any explanations, qualifications, etc. to quotations should be itemized and explained in detail on a separate sheet, which should be attached to the Pricing Schedule.

3.6.2.3 OTHER CHARGES

Any costs that shall be chargeable to PARDEEVILLE AREA SCHOOL DISTRICT but are not included in any other quotation on the Price Schedule must be listed under "Other Costs" in the Price Schedule and be described by attachment to the Price Schedule.

3.6.2.4 DURATION OF PRICE QUOTES

The prices offered by the Contractor shall be firm for a period of 60 days from the date of opening. If no award is made within 60 days of the opening date, this RFP is automatically canceled unless PARDEEVILLE AREA SCHOOL DISTRICT requests an extension and agreed upon by the Contractor.

3.6.3 CUSTOMER-REFERENCE MATERIAL

The Contractor must include a list of other clients for whom the Contractor has provided a similar type installation. If possible provide local contacts or contacts in the State of Wisconsin. Similar is intended to mean a distribution system installed within a similar environment. These references shall be included with the Contractor proposal. Failure to include references may be cause for elimination. The above references must include:

Name of the business
Contact person
Address
Contact telephone number
Date of installation.

PARDEEVILLE AREA SCHOOL DISTRICT and/or KMT shall be contacting some or all of the references. The Contractor should "clear" such contact with the references to avoid any communication problems or "proprietary information" problems with the reference. In addition to the above references, the Contractor may supply the following information:

- The number of similar installations.
- Anticipated installations (contracted but not installed).

3.7 CHANGES AND/OR ALTERATIONS

3.8 PROPOSAL DUE DATE

Proposals shall be e-mailed by 10 AM local time on May 9, 2018. E-Mail a copy to:

Tina McElroy - mcelti@pasdwi.org
Kevin Marszalek – Marszalek@gmx.com

After E-mailing proposal each Contractor shall deliver three (3) bound copies of the complete proposal, including any technical information, to:

Kevin Marszalek
KMT Design
784 North Main Street
Oregon, WI 53575

3.9 DELAYED INFORMATION

If certain required information cannot be provided by the bid submission deadline, the Contractor should contact Kevin Marszalek at KMT to determine whether a one (1) week extension for that particular information could be granted. All Contractors shall be notified if such an extension is granted. Failure to submit the delayed information within the specified time frame may result in elimination of the entire proposal.

3.10 ALTERNATE PROPOSALS

PARDEEVILLE AREA SCHOOL DISTRICT may consider alternate proposals that meet the needs of the School District. Alternate proposals shall be presented as an option to a proposal that is fully compliant with this RFP.

3.11 INCURRED COSTS

Expenses for developing proposals in response to this RFP are entirely the responsibility of the Contractor and shall not be chargeable in any manner to PARDEEVILLE AREA SCHOOL DISTRICT or KMT.

3.12 CONTRACTOR RIGHTS

No Contractor shall have any legal, equitable, or contractual rights of any kind arising out of submission of a proposal except as and to the extent that PARDEEVILLE AREA SCHOOL DISTRICT, in its sole discretion, shall enter into a contract with the bidder that it selects as the chosen Contractor.

3.13 QUESTIONS AND INQUIRIES

PARDEEVILLE AREA SCHOOL DISTRICT reserves the right to seek clarification and/or additional information on any point in connection with the Contractor's reply to this RFP.

3.14 CONTRACTOR QUESTIONS AND INQUIRIES

Inquiries concerning this RFP should be directed to Kevin Marszalek of KMT. All questions must be submitted in writing, using the RFP reference and page numbers. Time permitting, a written answer shall be returned to the Contractor who originated the question; when there is not time for a written response, the originator shall be notified by telephone.

A question and its answer shall be sent to all Contractors only when such question, in the opinion of PARDEEVILLE AREA SCHOOL DISTRICT, results in a change in the interpretation of the RFP. Otherwise, questions and answers shall be considered confidential to the originator.

3.15 CONFIDENTIALITY OF RESPONSE

All responses, documents, and materials submitted by a Contractor pertaining to this RFP shall be considered confidential, but PARDEEVILLE AREA SCHOOL DISTRICT, its officers and employees, and KMT shall not be liable for damages of any kind if any or all submitted information is exposed.

3.16 CONFIDENTIALITY AGREEMENT

The selected contractor and all employees who will be on site shall sign a confidentiality agreement prior to beginning work.

3.17 OWNERSHIP OF PROPOSAL

All proposal material submitted shall automatically become the property of PARDEEVILLE AREA SCHOOL DISTRICT, who reserves the right in its sole discretion to:

- Reject, or request modification of, any or all proposals.
- To waive minor immaterial defects in proposals.
- Use without limitation any or all of the ideas from any proposal.
- Eliminate from consideration proposals that do not conform to the requirements of this RFP.

4 EVALUATION AND SELECTION

4.1 SITE VISITS

PARDEEVILLE AREA SCHOOL DISTRICT may wish to visit the Contractor's offices and one or more similar installations. The Contractor shall, upon request, accompany PARDEEVILLE AREA SCHOOL DISTRICT and/or KMT personnel.

4.2 AWARD

The contract shall be awarded to the Contractor, which, in the opinion of the PARDEEVILLE AREA SCHOOL DISTRICT, is responsible and best meets the criteria and needs of the PARDEEVILLE AREA SCHOOL DISTRICT with regard to the specific technology system.

PARDEEVILLE AREA SCHOOL DISTRICT is not under any obligation to select a contractor based on "lowest cost". Award of the contract will be to the contractor who, in the opinion of PARDEEVILLE AREA SCHOOL DISTRICT, can provide the installation for this project.

PARDEEVILLE AREA SCHOOL DISTRICT will split the bid between multiple contractors. For example one may be selected to provide security cameras and another contractor will be selected to provide the wireless system.

4.3 BEST AND FINAL

PARDEEVILLE AREA SCHOOL DISTRICT's evaluation process may include a request for "best and final" offers and negotiated changes. PARDEEVILLE AREA SCHOOL DISTRICT reserves the right, at any time prior to award of a contract and for any reason, to request and

consider “best and final” proposals from responsible Contractors who have submitted a proposal. The Contractors allowed to submit “best and final” and the scope of the “best and final” shall be determined solely by PARDEEVILLE AREA SCHOOL DISTRICT. No Contractor has a right to submit a “best and final.” Any Contractor who is asked and fails to submit a “best and final” need not be given further consideration. The purpose of the “best and final” approach is to allow PARDEEVILLE AREA SCHOOL DISTRICT to better define its needs, adjust specifications or other aspects of the procurement to reflect changed needs or perceptions, or to address problems, or for any other purpose deemed appropriate by PARDEEVILLE AREA SCHOOL DISTRICT, without dealing with those contractors who have been determined not to be responsible after receipt of the responses to the Request for Proposals.

5 TERMS AND CONDITIONS

5.1 SCOPE OF CONTRACT

The Contractor shall furnish, or cause to be furnished, all labor, supervision, services, equipment, materials, and supplies necessary to install, test, and cutover the Technology Systems as required by this RFP.

5.2 CONTRACT COMPONENTS

PARDEEVILLE AREA SCHOOL DISTRICT will require contractor to use the following contract documents.

- This RFP as the controlling document.
- The Contractor’s response to this RFP with negotiated revisions.
- A list of any other miscellaneous terms and conditions agreed to both parties.

5.2.1 BID SECURITY

A bid security will not be required for this project.

5.2.2 ALL WORK BY APPROVED PLAN

The Contractor shall not undertake any work for PARDEEVILLE AREA SCHOOL DISTRICT without first developing a plan for that work, submitting the plan to PARDEEVILLE AREA SCHOOL DISTRICT, and receiving approval from PARDEEVILLE AREA SCHOOL DISTRICT to proceed.

5.2.3 CHANGES

Any changes to the specifications, materials, equipment, delivery prices, etc., are allowed only pursuant to written change orders signed by PARDEEVILLE AREA SCHOOL DISTRICT.

5.2.4 ADDITIONS AND CHANGES INCLUDED IN SCOPE

The specifications herein shall apply to all equipment and materials added or otherwise changed by the Contractor while under contract with PARDEEVILLE AREA SCHOOL DISTRICT unless mutually agreed by the parties.

5.2.5 CODE COMPLIANCE

The Contractor shall ensure that all designs, equipment, materials, and installations are in compliance, in proper hierarchy, with applicable local and state codes, the National Electrical and Uniform Fire Prevention and Building Codes, the requirements and standards of the National Fire Protection Association Life Safety Code (NFPA-LSC), and applicable Underwriters' Laboratories specifications. Unless non-compliance with the above would result, all designs, equipment, materials, and installations shall be in compliance with BICSI standards and specifications and instructions provided by PARDEEVILLE AREA SCHOOL DISTRICT and KMT, using the highest specification. The Contractor shall inform PARDEEVILLE AREA SCHOOL DISTRICT and KMT in writing if a conflict is identified.

The Contractor shall be responsible for compliance with all federal, state and local regulations, and the applicable provisions of the Federal Occupational Safety and Health Act of 1970.

5.2.6 FIRE PREVENTION

The Contractor shall take all steps necessary to insure that the installation neither causes fire nor inhibits fire fighting. In particular:

- Access to fire-fighting apparatus shall not be blocked or restricted at any time.
- Flammable materials shall be kept in suitable places outside of buildings.
- Penetrations through fire-rated walls shall be properly sealed.

The use of flammable or toxic compounds including gasoline, benzene, alcohol, naphtha, carbon tetrachloride or turpentine on PARDEEVILLE AREA SCHOOL DISTRICT's premises shall be prohibited.

5.2.7 MATERIALS RESPONSIBILITY

The Contractor shall assume responsibility for loss of or damage to all equipment, cable, parts, and goods during shipment, delivery, installation, testing, cutover, and until the successful completion of Acceptance Testing as defined in the General Conditions of the Contract.

5.3 INSURANCE REQUIREMENT

5.3.1 GENERAL REQUIREMENT

Neither the Contractor nor any subcontractor shall commence work at the site until they have obtained all required insurance. Insurance, as required, shall be written for the duration of the contract in amounts not less than the specified minimum limits or as required by law, whichever is greater. The Contractor shall not cause any insurance to be canceled, nor permit any insurance to lapse. The Contractor shall carry insurance on all contractors and subcontractors or shall verify that the contractor and subcontractors are insured in the required amounts.

5.3.2 CERTIFICATES REQUIRED

Certificates of Insurance acceptable to PARDEEVILLE AREA SCHOOL DISTRICT shall be filed prior to commencement of the work. These certificates and insurance policies required by this Request for Proposal shall contain a provision that coverage afforded under the policies will

not be canceled or allowed to expire until at least 30 days prior written notice is given to PARDEEVILLE AREA SCHOOL DISTRICT. PARDEEVILLE AREA SCHOOL DISTRICT shall also be named as an additional insured on the general liability, automobile liability and property insurance policies. All Certificates of Insurance shall be executed by an authorized representative of the Insurance Company and shall contain transcripts from the proper office of the insurer, evidencing in particular those insurance coverage's, the extent of the insurance, the location and the operations in which the insurance applies, the expiration date, the name and address of the issuing agent, as well as special provisions required herein. All notices with regard to insurance shall be sent to:

PARDEEVILLE AREA SCHOOL DISTRICT
120 Oak Street
Pardeeville, WI 53594

5.3.3 CONTRACTOR INSURANCE

The Contractor shall purchase and maintain such insurance as shall protect the Contractor from claims set forth below which may arise out of or result from the Contractor's operations under the contract, whether such operations are by the Contractor or by any contractor, subcontractor or by anyone directly or indirectly employed by any of them, or by anyone for whose acts any of them may be liable:

Claims under worker's compensation, disability benefit and other similar employee benefit acts.

Claims for damages because of bodily injury, occupational sickness or disease, or death of his employees, and claims insured by usual personal injury liability coverage.

Claims for damages because of bodily injury, sickness or disease, or death of any person other than his employees, and claims insured by usual personal injury liability coverage;

Claims for damages because of injury to or destruction of tangible property, including loss of use resulting there from.

5.3.4 WORKERS' COMPENSATION

Worker's Compensation as required by all applicable Federal, State, Maritime or other laws, including Employer's Liability of at least statutory limit.

5.3.5 GENERAL LIABILITY

The Contractor shall obtain Comprehensive General Liability insurance including Contractor's Liability; Contingent Liability; Contractual Liability; Completed Operations and Products Liability, all on the occurrence basis with Personal Injury Coverage and broad form Property Damage. Remove the exclusion relating to Explosion, Collapse and Underground Property Damage. Complete Operations Liability shall be kept in force for at least two years after the date of final completion.

Bodily & Personal Injury

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Each Person	\$1,000,000
Each Occurrence	\$1,000,000
Property Damage	
Each Person	\$1,000,000
Aggregate	\$1,000,000

5.3.6 AUTOMOBILE LIABILITY

The Contractor shall obtain Comprehensive Automobile Liability insurance including non-ownership and hired car coverage as well as owned vehicles:

Bodily Injury	
Each Person	\$1,000,000
Aggregate	\$1,000,000
Property Damage	
Each Occurrence	\$100,000
Aggregate	\$100,000

5.3.7 PROPERTY INSURANCE

Property insurance shall be purchased and maintained by the Contractor. This insurance shall be in effect prior to the time when materials or equipment shall be placed on the site or sites. The policy required shall be Fire and Extended Coverage Insurance Policy.

5.3.8 INDEMNIFICATION/CONSEQUENTIAL DAMAGES

The selected Contractor shall, to the fullest extent provided by law, indemnify, defend and hold harmless, PARDEEVILLE AREA SCHOOL DISTRICT and its officers and employees from and against claims, damages, losses, costs and expenses including but not limited to attorney fees raising out of or resulting from the performance of work pursuant to this RFP and subsequent contract, provide that such claim, damage, loss or expenses are attributable to bodily injury, sickness, disease or death, or to injury to or destruction of tangible property (other than the work itself) but only to the extent caused by negligent acts or omissions of the Contractor, a Subcontractor, or anyone directly or indirectly employed by them or anyone for whose acts they may be liable, regardless of whether or not such claim, damage, loss or expenses caused in part by the party indemnified hereunder. Such obligation shall not be construed to negate, bridge or reduce other rights or obligations of indemnity which would otherwise exist to a party or person indemnified hereunder.

The selected Contractor further agrees to indemnify and save harmless PARDEEVILLE AREA SCHOOL DISTRICT and its officers and employees from claims, damages, losses, costs and expenses including reasonable attorney fees, which the PARDEEVILLE AREA SCHOOL DISTRICT or its officers and employees may incur but reason of breach of any term, provision, warranty or representation contained in this RFP or in the subsequent Contract between PARDEEVILLE AREA SCHOOL

DISTRICT and the selected Contractor, or in connection with the enforcement of said contract.

Neither party shall be liable to the other for any consequential damages except as expressly stated in this RFP or the contract.

5.3.9 TAXES

Purchases of materials for incorporation into this project are tax-exempt. Contractors shall therefore exclude such taxes from consideration in the preparation of proposals.

5.3.10 PREVAILING WAGE

This project is not a prevailing wage job.

6 WARRANTY REQUIREMENTS

6.1 GENERAL

The Contractor shall warrant that at the Acceptance Date that the system provided shall be in good working order and installed in a workmanlike manner and shall be free of defects.

6.2 NEW AND FIT FOR PURPOSE

All goods sold to PARDEEVILLE AREA SCHOOL DISTRICT as part of the RFP and the Contractor's work shall be new and fit for the purpose intended and shall comply with all specifications and requirements of the final contract; all specifications, representations, and warranties of the Contractor; and with all provisions of the RFP agreed to between PARDEEVILLE AREA SCHOOL DISTRICT and the Contractor.

6.3 WARRANTY

Refer to the specific system section warranty requirements.

The Contractor shall warrant all installed system components, including but not limited to the termination equipment, racks, raceway and all supporting infrastructure and hardware against manufacturer defects, Contractor installation errors, and installations which are found to be in conflict with the final contract requirements, for a period of two (2) years after the Acceptance Date.

The Contractor agrees to repair, adjust and/or replace any defective equipment, materials, or other parts (as well as all parts of the System damaged or destroyed as a result of such defect) during such period at the Contractor's sole cost and expense.

6.4 GOOD TITLE

All goods shall be free of all security interests, liens, claims of others, conditional sales agreements, infringements, and other similar impairment of title, and the Contractor shall transfer to PARDEEVILLE AREA SCHOOL DISTRICT, and PARDEEVILLE AREA SCHOOL DISTRICT shall receive, good title to such goods free of security interests, liens, claims of others, conditional sales agreements, infringements, and other similar impairments of title.

6.5 REPAIR BY OTHERS

In the event the Contractor does not affect repair within a reasonable period of time, PARDEEVILLE AREA SCHOOL DISTRICT may secure repair services from other sources and charge the Contractor for such costs without voiding any warranty.

7 PRICING FORM

Attached are the Pricing Forms for the RFP components. Please fill out all sections your organization is responding to.

Label your response with the Section Numbers that your organization has included.

7.1 SECTION 27 15 13 Paging and Bell System - PRICING FORM

The Undersigned (Proposer) agrees, if contracted by PARDEEVILLE AREA SCHOOL DISTRICT, to provide the services and equipment as specified in this Request For Proposal (RFP).

By submission of this RFP response The Proposer certifies the following:

- Having examined all the site and RFP documents, the undersigned shall be responsible for performing all work required of them by all parts of the bid package for the duration of the entire project.
- In case of a joint venture Pardeeville Area School District shall hold the successful Proposer responsible for total completion of the project.
- Prices in this response have been reached independently, without consultation or agreement with any person or firm for the purpose of restricting competition.
- Prices have been verified and conditions of the RFP reviewed.
- The individual signing the Response to this RFP is a legal agent of the Proposer and is further authorized to represent this offer.
- The number and amount of other contracts pending or which the Proposer is obligated to perform, now and during the completion of this project, shall not interfere with or hinder the timely execution of this work.

BASE BID SUM:

Based on SECTION 27 15 13 and Drawings: _____

UNIT PRICING: For the sums noted below the contractor agrees to furnish and install completely the items below as specified. This price shall be used for additions or subtractions for the entire duration of this project:

- Cost per Ceiling Mounted Speaker: _____
- Cost per Paging Horn: _____
- Cost per Wall Baffle: _____
- Cost of Software Upgarde: _____
- Cost of 16 Port Switching Card: _____
- Hourly Rate for MACs not covered: _____

EXCEPTIONS: Contractor list any exceptions or Variances to RFP below:

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SCHEDULE ESTIMATE: Contractor to provide estimated time to bring project to substantial completion:

OTHER COSTS: List any additional costs that are not reflected in the Base Bid price:

CONTRACTOR WARANTEE:

Parts: _____

Labor: _____

MANUFACTURER WARANTEE:

Parts: _____

Labor: _____

The successful Proposer shall bear the burden of any and all undisclosed costs.

Signature Of Authorized Company Representative:

Name (Typed): _____

Signature: _____ Date: _____

Company Name: _____

Address: _____

City, State, Zip: _____

Phone Number: _____

7.2 SECTION 27 54 20 Wireless System – PRICING FORM

The Undersigned (Proposer) agrees, if contracted by PARDEEVILLE AREA SCHOOL DISTRICT, to provide the services and equipment as specified in this Request For Proposal (RFP).

By submission of this RFP response The Proposer certifies the following:

- Having examined all the site and RFP documents, the undersigned shall be responsible for performing all work required of them by all parts of the bid package for the duration of the entire project.
- In case of a joint venture Pardeeville Area School District shall hold the successful Proposer responsible for total completion of the project.
- Prices in this response have been reached independently, without consultation or agreement with any person or firm for the purpose of restricting competition.
- Prices have been verified and conditions of the RFP reviewed.
- The individual signing the Response to this RFP is a legal agent of the Proposer and is further authorized to represent this offer.
- The number and amount of other contracts pending or which the Proposer is obligated to perform, now and during the completion of this project, shall not interfere with or hinder the timely execution of this work.

BASE BID SUM:

Based on SECTION 27 54 20 and Drawings: _____

UNIT PRICING: For the sums noted below the contractor agrees to furnish and install completely the items below as specified. This price shall be used for additions or subtractions for the entire duration of this project:

- Cost per Wireless Access Point: _____
- Hourly Rate for MACs not covered: _____

ALTERNATE EQUIPMENT: Contractor to provide cost and operational data for a
Authentication Software/Hardware program :

Initial Installed Cost: _____

Annual Costs: _____

EXCEPTIONS: Contractor list any exceptions or Variances to RFP below:

SCHEDULE ESTIMATE: Contractor to provide estimated time to bring project to substantial completion:

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OTHER COSTS: List any additional costs that are not reflected in the Base Bid price:

CONTRACTOR WARANTEE:

Parts: _____

Labor: _____

MANUFACTURER WARANTEE:

Parts: _____

Labor: _____

The successful Proposer shall bear the burden of any and all undisclosed costs.

Signature Of Authorized Company Representative:

Name (Typed): _____

Signature: _____ Date: _____

Company Name: _____

Address: _____

City, State, Zip: _____

Phone Number: _____

7.3 SECTION 28 13 00 Card Access and Intercom - PRICING FORM

The Undersigned (Proposer) agrees, if contracted by PARDEEVILLE AREA SCHOOL DISTRICT, to provide the services and equipment as specified in this Request For Proposal (RFP).

By submission of this RFP response The Proposer certifies the following:

- Having examined all the site and RFP documents, the undersigned shall be responsible for performing all work required of them by all parts of the bid package for the duration of the entire project.
- In case of a joint venture Pardeeville Area School District shall hold the successful Proposer responsible for total completion of the project.
- Prices in this response have been reached independently, without consultation or agreement with any person or firm for the purpose of restricting competition.
- Prices have been verified and conditions of the RFP reviewed.
- The individual signing the Response to this RFP is a legal agent of the Proposer and is further authorized to represent this offer.
- The number and amount of other contracts pending or which the Proposer is obligated to perform, now and during the completion of this project, shall not interfere with or hinder the timely execution of this work.

BASE BID SUM:

Based on SECTION 28 13 00 and Drawings: _____

UNIT PRICING: For the sums noted below the contractor agrees to furnish and install completely the items below as specified. This price shall be used for additions or subtractions for the entire duration of this project:

- Cost per additional Door Kit: _____
- Cost per additional AiPhone Video Door Phone: _____
- Hourly Rate for MACs not covered: _____

EXCEPTIONS: Contractor list any exceptions or Variances to RFP below:

SCHEDULE ESTIMATE: Contractor to provide estimated time to bring project to substantial completion:

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OTHER COSTS: List any additional costs that are not reflected in the Base Bid price:

CONTRACTOR WARANTEE:

Parts: _____

Labor: _____

MANUFACTURER WARANTEE:

Parts: _____

Labor: _____

The successful Proposer shall bear the burden of any and all undisclosed costs.

Signature Of Authorized Company Representative:

Name (Typed): _____

Signature: _____ Date: _____

Company Name: _____

Address: _____

City, State, Zip: _____

Phone Number: _____

7.4 SECTION 28 23 00 Video Surveillance System - PRICING FORM

The Undersigned (Proposer) agrees, if contracted by PARDEEVILLE AREA SCHOOL DISTRICT, to provide the services and equipment as specified in this Request For Proposal (RFP).

By submission of this RFP response The Proposer certifies the following:

- Having examined all the site and RFP documents, the undersigned shall be responsible for performing all work required of them by all parts of the bid package for the duration of the entire project.
- In case of a joint venture Pardeeville Area School District shall hold the successful Proposer responsible for total completion of the project.
- Prices in this response have been reached independently, without consultation or agreement with any person or firm for the purpose of restricting competition.
- Prices have been verified and conditions of the RFP reviewed.
- The individual signing the Response to this RFP is a legal agent of the Proposer and is further authorized to represent this offer.
- The number and amount of other contracts pending or which the Proposer is obligated to perform, now and during the completion of this project, shall not interfere with or hinder the timely execution of this work.

BASE BID SUM:

Based on SECTION 28 23 00 and Drawings: _____

UNIT PRICING: For the sums noted below the contractor agrees to furnish and install completely the items below as specified. This price shall be used for additions or subtractions for the entire duration of this project:

- Cost per 2 Mega Pixel Indoor Camera: _____
- Cost per 5 Mega Pixel Outdoor Camera: _____
- Cost per 12 Mega Pixel Indoor Camera: _____
- Cost per 12 Mega Pixel Outdoor Camera: _____
- Cost per 20 Mega Pixel Outdoor Camera: _____
- Hourly Rate for MACs not covered: _____

EXCEPTIONS: Contractor list any exceptions or Variances to RFP below:

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SCHEDULE ESTIMATE: Contractor to provide estimated time to bring project to substantial completion:

OTHER COSTS: List any additional costs that are not reflected in the Base Bid price:

CONTRACTOR WARANTEE:

Parts: _____

Labor: _____

MANUFACTURER WARANTEE:

Parts: _____

Labor: _____

The successful Proposer shall bear the burden of any and all undisclosed costs.

Signature Of Authorized Company Representative:

Name (Typed): _____

Signature: _____ Date: _____

Company Name: _____

Address: _____

City, State, Zip: _____

Phone Number: _____

SECTION 27 15 13 – Classroom and Public Address Paging/Bell System Upgrade

PART 1 - GENERAL

1.01 SECTION INCLUDES:

- A. Classroom and Public Address Paging/Bell System Upgrade

1.02 RELATED SECTIONS:

- A. All Division 27 and 28 sections.

1.03 SYSTEM DESCRIPTION:

- A. Sound and Paging System

The Pardeeville Area Schools have a 4 year old Carehawk public address/paging/bell system that provides facility-wide paging to Pardeeville Area Schools. The system is CareHawk Model number CH1000-2I-3T and is running version 5.0.7.0. This project will add new devices to the existing system.

Bells shall be integrated into paging system to allow tones as described below.

1.04 PATHWAYS FOR TECHNOLOGY SYSTEMS:

- A. Not Required.

1.05 SEQUENCING/COORDINATION:

- A. Technology contractor shall coordinate the receipt of materials furnished by owner.
- B. Technology contractor shall attend meetings as required by the project manager.
- C. Technology contractor shall coordinate system installation with the owner.
- D. Examine areas and conditions under which all items are to be installed, and notify the project manager in writing of conditions detrimental to

proper completion of the work. Do not proceed with that portion of the work affected until unsatisfactory conditions have been corrected in a manner acceptable to installer.

1.06 SUBMITTALS

- A. INITIAL PROJECT DOCUMENTATION: Technology contractor shall submit the following project documentation WITH THE PROPOSAL RESPONSES...
1. Catalog sheets with complete technical data for all materials being furnished...
Exact part/model numbers being provided shall be highlighted.
 2. Bill of Material (ONE Required for EACH System...Base, Alternate ONE & TWO)
 - a. Part/Model number of item.
 - b. Description of item.
- B. Quantity of item.
- C. Itemized breakdown of labor and material

Final Project Documentation: Technology contractor shall submit the project documentation to the project manager for approval prior to “Final Acceptance”.

1. As built drawings shall include by not limited to the following:
 - a. Any changes made to the system during installation.
 - b. Location of all devices as installed.
2. As-built drawings to be in AutoCAD...

1.07 INSTALLER QUALIFICATIONS:

- A. Technology contractor shall have at least three (3) years experience in the installation of similar systems and an authorized distributor of the equipment and systems specified.

- B. Technology contractor shall provide documentation certifying that all assigned staff have attended training courses corresponding to the type of equipment specified.

Compliance with all manufacturer's requirements for the provision and installation of all materials specified herein.

1.08 MAINTENANCE SERVICE

Provide service and maintenance for THREE (3) years from date of final acceptance.

- A. Warranty: Warrant all materials and labor against malfunction due to component failure or improper installation for a period of THREE (3) years from the date of final acceptance. When notified of a malfunction, proceed to immediately correct the situation by replacement or repair without cost to the owner. Extend manufacturer's warranties as necessary to achieve the full duration. Clearly indicate provisions of the warranty in the warranty manual.
- B. Response Time: Within the warranty period, technology contractor will effect replacement of defective parts within one business day after receiving notification.
- C. Warranty Inspection: Within one month prior to expiration of the THREE year warranty period, arrange to make an inspection of each audiovisual presentation system. Make adjustments and correct defects that exist to bring each system up to as-new specifications.

PART 2 - PRODUCTS

2.00 GENERAL

- A. All products installed shall be the most current and up-to-date versions available.
- B. Technology contractor shall provide written notification to, prior to installation, of any discrepancies in model or part numbers specified.
- C. Technology contractor shall provide written notification to the project manager prior to installation, of the announced discontinuation or replacement of any items specified.

- D. Technology contractor shall provide all necessary supplies, mounting hardware and accessories required to install the materials specified herein for a complete operating system.

2.01 SYSTEM DESCRIPTION

- A. All new speakers and devices shall be compatible with the existing Carehawk System.
- B. Furnish and install the required number of devices, wire and equipment as stated in this Specification and shown on the drawings.
- C. All field wiring shall be standard CAT-6 type terminated with RJ45 connectors. It shall be possible to connect systems in a master client configuration over multi-mode and single mode fiber optic cable. Systems that do not use CAT-6 wire or allow for use of fiber optic cable shall not be considered.

2.02 FEATURES AND ENHANCEMENTS

- A. The contractor shall provide a cost to upgrade the software to the latest version (5.3.4.0).
- B. The contractor shall also provide switching cards as required:
 - CareHawk SS16 in IT closet 213
 - CareHawk SS16 in IT Closet 253
- C. The contractor shall also provide CareHawk DAF100-25 zone amplifiers as needed for additional speaker load.

2.03 FUTURE FEATURES AND ENHANCEMENTS

- A. The system shall be designed with backward compatibility for all future product upgrades, features, and enhancements. Systems not designed for backward compatibility shall not be considered.

2.04 SPEAKERS AND CABLING

- A. System speakers shall be capable of utilizing UTP 6 wiring for installation, thus allowing for only one type of wiring infrastructure within the facility.

- B. All wiring shall be listed for the intended purpose. The intercom/paging system shall use UTP 6 U.L. listed cable.
1. Speaker Assembly
 - a. Ceiling Speaker – Quam 8C5PAX with TBLU transformer, BS8W baffle & SE1WVP backbox (or equal)

NOTE: Set the transformers to match the applicable area.
 - b. Wall Baffle - Quam 8C5PAX speaker, TBLU transformer, BS8W baffle & ES-8 backbox (or equal)

NOTE: Set the transformers to match the applicable area.
 - c. Surface Mount Speaker assembly = Quam 8C5PAX speaker, TBLU transformer, BS8W baffle & SE1WVP backbox

NOTE: Set the transformers to match the applicable area.
 - d. Quam ES-8 inwall backbox, H16/SVPS horn speaker & vandal resistant outside baffle (flushmount inwall outside speaker assembly)

PART 3 - EXECUTION

3.01 GENERAL:

- A. Install all equipment and components in accordance with manufacturer's written instructions, in compliance with NEC, and with recognized industry practices, to ensure that all items comply with specifications and serve intended purposes.
- B. Record serial numbers of all items furnished that are serialized. Serial numbers to be included in warranty manual.
- C. All items must be complete as specified prior to substantial completion. It will be the responsibility of the communications contractor to ensure all cabling meets all specifications and standards.

3.02 INSTALLATION:

A. Cabling - General: Provide all required cabling for the systems and devices per the manufacturer's specifications and requirements.

1. Cabling will be provided by the electrical contractor.
2. This contractor is required to mount all devices and coordinate with EC on cabling needs.
3. Fittings or connections are allowed only at the input and output of devices. Splicing shall not be accepted in any cable runs. The entire cable run shall be replaced in all such instances.
4. Contractor shall review EC cabling and verify compatibility prior to beginning installation.

B. Training:

1. Prior to substantial completion, provide a minimum of TWO (2) hour on-site, hands-on training for a minimum of two (2) individuals.

3.03 ADJUSTING/TESTING:

A. Test the operation of EACH system and confirm the systems operate in compliance with the manufacturer's requirements and specification.

3.04 SUBSTANTIAL COMPLETION AND FINAL ACCEPTANCE

A. Per provisions in the project documents.

END OF SECTION 27 15 13

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SCHEDULE OF WORK

Speaker Schedule

Room #	Room Name	Quantity	Sheet Number	Notes
20	Library	2	E1.4	Exposed Ceiling
32	Fitness Center	1	E1.3	Exposed Ceiling – 1 ETR
45	Classroom	ETR	E1.2	Reprogram in System
48	Classroom	ETR	E1.2	Reprogram in System
49	Art Room	3	E1.2	Exposed Ceiling
201	Lobby	4	E5.1A	Wall Mount
202	Waiting Room	1	E5.1A	
216	Hallway	5	E5.1A	
217	Copy/Mailroom	1	E5.1A	
221	Concessions	1	E5.1A	
222	HS Store	1	E5.1A	
227	Women's Restroom	1	E5.1A	
228	Men's Restroom	1	E5.1A	
229	Hallway	17	E5.1B	
231	Practice	1	E5.1B	
232	Practice	1	E5.1B	
233	Practice	1	E5.1B	
235	Choir Director	1	E5.1B	
237	Choir Room	2	E5.1B	Exposed Ceiling
238	Storage	1	E5.1B	
240	Costume Construction	1	E5.1B	Exposed Ceiling
241	Scenery and Props	1	E5.1B	Exposed Ceiling
242	Hallway	2	E5.1B	
243	Instrument Storage	1	E5.1B	
244	Instrumental Music Area	2	E5.1B	Exposed Ceiling
245	Band Director	1	E5.1B	
246	Men's restroom	1	E5.1B	
247	Women's Restroom	1	E5.1B	
248	Unisex Restroom	1	E5.1B	
252	Make-up Room	1	E5.1B	
250A	Female Dressing Room	1	E5.1B	
250B	Dressing Room Toilet	1	E5.1B	
251A	Male Dressing Room	1	E5.1B	
251B	Dressing Room Toilet	1	E5.1B	
254A	Auditorium	9	E5.1B	Exposed Ceiling
254C	Back Of Stage	3	E5.1B	Exposed Ceiling

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Hardware Schedule

Room #	Room Name	Quantity	Component	Notes
213	IT Closet	1	CareHawk SS16 Switching Card	Verify SS16 will handle all new devices
253	IT Closet	1	CareHawk SS16 Switching Card	Verify SS16 will handle all new devices
Various	IT Closets	As required	CareHawk DAF-25 Zone Amplifiers	Contractor to determine Quantity

SECTION 27 54 20 – WIRELESS NETWORK SYSTEM

PART 1 - GENERAL

1.01 SECTION INCLUDES:

- A. Wireless Network System

1.02 RELATED SECTIONS:

- A. All Division 27 & 28 Sections.
- B. Construction Project Documents

1.03 SYSTEM DESCRIPTION:

- A. Wireless Network System

Pardeeville is adding to an existing System. The current system is Extreme Networks. The system currently has 2 V2110 virtual controllers running software 10.31.08.0006.

1.04 PATHWAYS FOR TECHNOLOGY SYSTEMS:

- A. Not Applicable

1.05 SEQUENCING/COORDINATION:

- A. Technology contractor shall coordinate the receipt of materials furnished by owner.
- B. Technology contractor shall attend meetings as required by the project manager.
- C. Technology contractor shall coordinate system installation with the owner.
- D. Examine areas and conditions under which all items are to be installed, and notify the project manager in writing of conditions detrimental to proper completion of the work. Do not proceed with that portion of the work affected until unsatisfactory conditions have been corrected in a manner acceptable to installer.

1.06 SUBMITTALS

- A. INITIAL PROJECT DOCUMENTATION: Technology contractor shall submit the following project documentation to the project manager for approval prior to ordering equipment.
MULTIPLE COPIES REQUIRED IN TABBED BINDERS...QUANTITIES AS REQUIRED PER THE CONSTRUCTION PROJECT DOCUMENTS.
1. Catalog sheets with complete technical data for all materials being furnished...
Exact part/model numbers being provided shall be highlighted.
 2. Bill of Material
 - a. Part/Model number of item.
 - b. Description of item.
 - c. Quantity of item.
 - d. Itemized breakdown of labor and material
 3. "Logical Flow Diagram" showing the following;
(Visio Professional, AutoCAD or equivalent)
 - a. Integration/Interfacing to other systems (if applicable)
- B. Final Project Documentation: Technology contractor shall submit the project documentation to the project manager for approval prior to Final Acceptance
PROVIDE PER PROVISIONS IN THE CONSTRUCTION PROJECT DOCUMENTS
1. As built drawings shall include by not limited to the following:
 - a. Any changes made to the system during installation.
 - b. Location of all devices as installed.
 2. As built drawings shall be as follows:
 - a. THREE copies Auto Cad (Full Size)
 - b. THREE copies Auto Cad (Reduced Size)
 - c. THREE copies Auto Cad (CD Rom)
 3. Technology contractor shall furnish ONE complete technical manuals containing the following:

- a. Operations and Maintenance manuals for ALL equipment provided.

1.07 INSTALLER QUALIFICATIONS:

- A. Technology contractor shall have at least three (3) years experience in the installation of similar systems and an authorized distributor of the equipment and systems specified.
- B. Technology contractor shall provide documentation certifying that all assigned staff have attended training courses corresponding to the type of equipment specified.
- C. Licensed to install low voltage electronic cabling systems in the state if applicable.
- D. Compliance with all manufacturer's requirements for the provision and installation of all materials specified herein.

1.08 MAINTENANCE SERVICE

Provide service and maintenance for TWO (2) years from date of final acceptance.

- A. Warranty: Warrant all materials and labor against malfunction due to component failure or improper installation for a period of TWO (2) years from the date of final acceptance. When notified of a malfunction, proceed to immediately correct the situation by replacement or repair without cost to the owner. Extend manufacturer's warranties as necessary to achieve the full duration. Indicate provisions of the warranty in the warranty manual.
- B. Response Time: Within the warranty period, technology contractor will effect replacement of defective parts within one business day after receiving notification.
- C. Warranty Inspection: Within one month prior to expiration of the TWO year warranty period, make adjustments and correct defects that exist to bring each system up to as-new specifications.

PART 2 - PRODUCTS

2.00 GENERAL

- A. All products installed shall be the most current and up-to-date versions available.
- B. Technology contractor shall provide written notification to, prior to installation, of any discrepancies in model or part numbers specified.
- C. Technology contractor shall provide written notification to the project manager prior to installation, of the announced discontinuation or replacement of any items specified.
- D. Technology contractor shall provide all necessary supplies, mounting hardware and accessories required to install the materials specified herein.
- E. Technology contractor shall be an authorized dealer of the products specified.

2.01 PRODUCT SUBSTITUTIONS

- A. Use the provisions in the project documents.

2.02 MATERIALS/MANUFACTURERS:

- A. Extreme Networks (no substitutions)
 - 1. 802.11ax 4x4 MU-MIMO Access Point (Extreme WS-AP3935i)
 - 2. WS-APCAP-1 controller capacity upgrades
 - 3. Extreme 30513 wall brackets (or other mounting as determined by construction)

NOTE:

- ❖ The model/part numbers shown were current when this document was prepared. The technology contractor shall supply the most current version at the time of installation.

PART 3 - EXECUTION

3.01 GENERAL:

- A. Install all equipment and components in accordance with manufacturer's written instructions, in compliance with NEC, and with recognized industry practices, to ensure that all items comply with specifications and serve intended purposes.
- B. Record serial numbers of all items furnished that are serialized. Serial numbers to be included in warranty manual.

- C. All items must be complete as specified prior to substantial completion. It will be the responsibility of the technology contractor to ensure all cabling meets all specifications and standards.

3.02 INSTALLATION:

- A. Cabling - General: Electrical Contractor to provide all required cabling for the systems and devices per the manufacturer's specifications and requirements.

1. Provide a Category 6A Patch Cord from the Wireless Access point to the RJ 45 Jack at EACH wireless access point information outlet location.
2. Provide a Category 6A Patch Cord from the RJ 45 Jack on the patch panel in the technology closet to the data switch in the technology closet for EACH wireless access point location.

NOTE: Data electronics with POE and a dedicated V LAN shall be provided by Pardeeville Area Schools IT Staff. Contractor must coordinate installation, programming and V LAN requirements with IT staff.

- B. Training:

1. Prior to substantial completion, provide a minimum of Two (2) 2-hour on-site, hands-on training for a minimum of three Pardeeville School District individuals.
2. Up to 3 hours of training within the first 3 months of substantial completion dates and times to be determined by owner.

3.03 ADJUSTING/TESTING:

- A. Test the operation of EACH system and confirm the systems operate in compliance with the manufacturer's requirements and specification.

3.04 SUBSTANTIAL COMPLETION AND FINAL ACCEPTANCE

- A. Per provisions in the project documents.
- B. END OF SECTION 27 54 20

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SCHEDULE OF WORK

System

Room	Description	Quantity
Server Room	WS-APCAP-1 controller capacity upgrade	8

Access Points

Room #	Room Name	AP QTY	Sheet	Notes
20	Library	2	E1.4	Note 1
32	Fitness Center (New)	1	E1.3	Note 1
45	Classroom	1	E1.2	Note 1
48	Classroom (New)	1	E1.2	Note 1
49	Art Room	1	E1.2	Note 1
201	Lobby	1	E5.1A	
202	Waiting Room	1	E5.1A	
207	Conference Room	1	E5.1A	
215	Conference Room	1	E5.1A	
216	Hall	1	E5.1A	
225	Control Room	0	E5.1A	Cable only
229	Hallway	3	E5.1B	
231	Practice	1	E5.1B	
233	Practice	1	E5.1B	
237	Choir Room	1	E5.1B	2 Cables – 1 future
240	Costume Construction	1	E5.1B	
241	Scenery and Props	1	E5.1B	

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244	Instrumental Storage	1	E5.1B	2 Cables – 1 future
254A	Auditorium	6	E5.1B	2 cables to each location. Mount on sidewall
254C	Back of Stage	0	E5.1B	1 future, 2 Cables

NOTES:

1. APs are existing. Pardeeville IT will remove and store. Contractor to reinstall after construction of area is complete.
2. Auditorium Access Points to be mounted at 12' AFF. Contractor to verify best mounting and installation practices are followed. Include all mounting hardware costs in RFP response.
3. There are a combination of various ceiling types. Contractor must refer to construction documents to verify mounting and include cost in RFP response.

SECTION 28 13 00 – CARD ACCESS AND INTERCOM SYSTEM

PART 4 - GENERAL

1.01 SECTION INCLUDES:

- A. Card Access System
- B. Intercom System

1.02 RELATED SECTIONS:

- A. All Division 27 & 28 Sections.
- B. Construction Project Documents

1.03 SYSTEM DESCRIPTION:

- A. Card Access System

Pardeeville Area Schools currently has a 3xLogic Access Control System (Infinias). The school district is looking to enhance and expand the system as part of the ongoing construction.

- B. Intercom System

Pardeeville Area Schools currently has an AiPhone intercom system. The school district will expand the system as part of the construction.

1.04 PATHWAYS FOR TECHNOLOGY SYSTEMS:

- A. The project shall provide the required conduit stubs, back boxes and cable for all devices shown on the technology plans. In general, requirements are a 4” square box with a single gang ring. Contractor shall insure each conduit has a threaded bushing on the end.

1.05 SEQUENCING/COORDINATION:

- A. Technology contractor shall coordinate the receipt of materials furnished by owner.
- B. Technology contractor shall attend meetings as required by the project manager.

- C. Technology contractor shall coordinate system installation with the owner.
- D. Examine areas and conditions under which all items are to be installed, and notify the project manager in writing of conditions detrimental to proper completion of the work. Do not proceed with that portion of the work affected until unsatisfactory conditions have been corrected in a manner acceptable to installer.

1.06 SUBMITTALS

- A. INITIAL PROJECT DOCUMENTATION: Technology contractor shall submit the following project documentation to the project manager for approval prior to ordering equipment.
- B. MULTIPLE COPIES REQUIRED IN TABBED BINDERS...QUANTITIES AS REQUIRED PER THE CONSTRUCTION PROJECT DOCUMENTS.
 - 1. Catalog sheets with complete technical data for all materials being furnished...
Exact part/model numbers being provided shall be highlighted.
 - 2. Bill of Material
 - a. Part/Model number of item.
 - b. Description of item.
 - c. Quantity of item.
 - d. Itemized breakdown of labor and material
 - 3. "Logical Flow Diagram" showing the following;
(Visio Professional, AutoCAD or equivalent)
 - a. Card Access System
 - b. Integration/Interfacing to other systems
- C. Final Project Documentation: Technology contractor shall submit the project documentation to the project manager for approval prior to Final Acceptance
 - 1. As built drawings shall include by not limited to the following:
 - a. Any changes made to the system during installation.
 - b. Location of all devices as installed.
 - 2. As built drawings shall be as follows:
 - a. TWO copies Auto Cad (Full Size)
 - b. TWO copies Auto Cad (Reduced Size)

- c. TWO copies Auto Cad (CD Rom)
- 3. Technology contractor shall furnish ONE complete technical manuals containing the following:
 - a. Operations and Maintenance manuals for ALL equipment provided.

1.07 INSTALLER QUALIFICATIONS:

- A. Technology contractor shall have at least three (3) years' experience in the installation of similar systems and an authorized distributor of the equipment and systems specified.
- B. Technology contractor shall provide documentation certifying that all assigned staff have attended training courses corresponding to the type of equipment specified.
- C. Licensed to install low voltage electronic cabling systems in the state if applicable.
- D. Compliance with all manufacturer's requirements for the provision and installation of all materials specified herein.

1.08 MAINTENANCE SERVICE

Provide a service and maintenance agreement for Two years from date of final acceptance. This shall include all license fees and associated 5-year costs.

- A. Warranty: Warrant all materials and labor against malfunction due to component failure or improper installation for a period of TWO years from the date of final acceptance. When notified of a malfunction, proceed to immediately correct the situation by replacement or repair without cost to the owner. Extend manufacturer's warranties as necessary to achieve the full duration. Indicate provisions of the warranty in the warranty manual.
- B. Response Time: Within the warranty period, technology contractor will effect replacement of defective parts within one business day after receiving notification.
- C. Warranty Inspection: Within one month prior to expiration of the two year warranty period, make adjustments and correct defects that exist to bring each system up to as-new specifications.

PART 5 - PRODUCTS

2.00 GENERAL

- A. All products installed shall be the most current and up-to-date versions available.
- B. Technology contractor shall provide written notification to, prior to installation, of any discrepancies in model or part numbers specified.
- C. Technology contractor shall provide written notification to the project manager prior to installation, of the announced discontinuation or replacement of any items specified.
- D. Technology contractor shall provide all necessary supplies, mounting hardware and accessories required to install the materials specified herein.
- E. Technology contractor shall be an authorized dealer of the products specified.

2.01 PRODUCT SUBSTITUTIONS

- A. Manufacturers: The materials, appliances, equipment and devices shall be tested and listed by a nationally recognized approvals agency for use as part of the system specified. The authorized representative of the manufacturer shall be responsible for the satisfactory installation of the complete system.
- B. The Contractor shall provide, from the acceptable manufacturer's current product lines, equipment and components, which comply, with the requirements of these Specifications. Equipment or components, which do not provide the performance and features, required by these specifications are not acceptable, regardless of manufacturer.
- C. Strict conformance to this specification is required to ensure that the installed and programmed system will function as designed, and will accommodate the future requirements and operations of the building Owner. All specified operational features must be met without exception.
- D. All central equipment and field appliances shall be provided by the same System Supplier, and shall be designed and tested to ensure that the system operates as specified. All equipment and components shall be installed in strict compliance with the manufacturer's recommendations.
- E. That equipment proposed to be supplied will be considered only if it meets all sections of the performance specification. Any deviations of system performance

outlined in this specification will only be considered when the following requirements have been met:

1. A complete description of proposed alternate system performance methods with three (3) copies of working drawings thereof for review and comment by the Consultant, not less than ten (10) calendar days prior to the scheduled date for submission of bids.
2. The supplier of alternate equipment shall furnish evidence that the proposed alternate system performance is equal to or superior than the system operation stated in the specification. Such evidence shall be submitted to the Consultant, not less than ten (10) calendar days prior to the scheduled date for submission of bids.
3. The supplier shall submit a point-by-point statement of compliance for all sections in this specification. The statement of compliance shall consist of a list of all paragraphs within these sections. Where the proposed system complies fully with the paragraph as written, placing the word "comply" opposite the paragraph number shall indicate such. Where the proposed system does not comply with the paragraph as written, and the supplier feels the proposed system will accomplish the intent of the paragraph, a full description of the function as well as a full narrative description of how its proposal will meet its intent shall be provided. Any submission that does not include a point-by-point statement of compliance as described herein shall be disqualified. Where a full description is not provided, it shall be assumed that the proposed system does not comply.
4. The supplier of alternate equipment shall submit a list from the alternate manufacture on the manufactures letterhead indicating the names and addresses of all authorized suppliers in the area. Proprietary products will not be considered.
5. The acceptability of any alternate proposed system shall be the sole decision of the Architect/Engineer.

2.02 MATERIALS/MANUFACTURERS:

A. Card Access System (Infinias 3Xlogic)

1. INTERGATED DOOR CONTROL
 - a. S-EIDC32

2. Door Kit
 - a. S-Door-Kit-WH Kit includes HID Reader, EIDC-U, and Surface Mount Box.
- B. AiPhone
 1. IX-DA IX Series Video Door Station
 2. 125UL Altronix Power Supply
 3. HES 5200C Electric Door Strike
 4. 18/2 Shielded Plenum Cable. This will be run to Closet with RYIP44

PART 6 - EXECUTION

3.01 GENERAL:

- A. Install all equipment and components in accordance with manufacturer's written instructions, in compliance with NEC, and with recognized industry practices, to ensure that all items comply with specifications and serve intended purposes.
- B. Record serial numbers of all items furnished that are serialized. Serial numbers to be included in warranty manual.
- C. All items must be complete as specified prior to substantial completion. It will be the responsibility of the technology contractor to ensure all cabling meets all specifications and standards.

3.02 INSTALLATION:

- A. General: Contractor to coordinate all installation with GC and other trades as per Plan and Specifications provided by Miron Construction.
- B. Training:
 1. Provide training on new devices as required.

3.03 ADJUSTING/TESTING:

- A. Test the operation of EACH system and confirm the systems operate in compliance with the manufacturer's requirements and specification.

3.04 SUBSTANTIAL COMPLETION AND FINAL ACCEPTANCE

- A. Per provisions in the project documents.

END OF SECTION 28 13 00

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SCHEDULE OF WORK

Card Access

Door #	EDIC	Power Supply	Contact	E Strike	Reader	NOTES
200A	1	7 AMP	6	6	1	1
200B	1	7 AMP	6	6	0	1
201E	1		0	1	1	2
229A/229B	1		2	0	0	
229E	1		0	1	1	
254A	1		1	0	0	
242A	1		1	0	0	
241D	1		1	1	1	
230C	1		2	1	1	
234A	1		2	1	1	
32B	1		1	1	1	
ALT						
230G	1	3 AMP	1	1		
230C	1	3 AMP	1	1		
230F	1	3 AMP	0	1		

1. Provide Opener
2. Provide Unlock Button

AiPhone

Room #	Room Name	Description	Model
200	Entry Vestibule	Flush Mount AiPhone Door Station	IX-DF
203	Office Support	AiPhone Master Station	IX-MV

SECTION 28 23 00 – VIDEO SURVEILLANCE SYSTEM

PART 1 - GENERAL

1.01 SECTION INCLUDES:

- A. Video Surveillance System

1.02 RELATED SECTIONS:

- A. All Division 27 & 28 Sections.
- B. Construction Project Documents

1.03 SYSTEM DESCRIPTION:

- A. Video Surveillance System

Pardeeville Area Schools currently has an ExacqVision system. The school district is looking to enhance and expand the system as part of the ongoing construction.

Current system configuration:
ExacqVision Professional Licensed Software
ExacqVision Video Server (IPS-014T-R4)
Currently 52 camera licenses
42 Sony cameras
10 Arecont Vision cameras

The current server has a 14TB hard drive for video retention.

1.04 PATHWAYS FOR TECHNOLOGY SYSTEMS:

- A. The project shall provide the required conduit stubs, back boxes and cable for all devices shown on the technology plans. In general, requirements are a 4” square box with a single gang ring. Contractor shall insure each conduit has a threaded bushing on the end.

1.05 SEQUENCING/COORDINATION:

- A. Technology contractor shall coordinate the receipt of materials furnished by owner.

- B. Technology contractor shall attend meetings as required by the project manager.
- C. Technology contractor shall coordinate system installation with the owner.
- D. Examine areas and conditions under which all items are to be installed, and notify the project manager in writing of conditions detrimental to proper completion of the work. Do not proceed with that portion of the work affected until unsatisfactory conditions have been corrected in a manner acceptable to installer.

1.06 SUBMITTALS

- C. **INITIAL PROJECT DOCUMENTATION:** Technology contractor shall submit the following project documentation to the project manager for approval prior to ordering equipment.
MULTIPLE COPIES REQUIRED IN TABBED BINDERS...QUANTITIES AS REQUIRED PER THE CONSTRUCTION PROJECT DOCUMENTS.
 - 1. Catalog sheets with complete technical data for all materials being furnished...
Exact part/model numbers being provided shall be highlighted.
 - 2. Bill of Material
 - a. Part/Model number of item.
 - b. Description of item.
 - e. Quantity of item.
 - f. Itemized breakdown of labor and material
 - 3. "Logical Flow Diagram" showing the following;
(Visio Professional, AutoCAD or equivalent)
 - a. Video Surveillance System
 - b. Integration/Interfacing to other systems (if applicable)
- D. **FINAL PROJECT DOCUMENTATION:** Technology contractor shall submit the project documentation to the project manager for approval prior to Final Acceptance.
 - 1. As built drawings shall include by not limited to the following:

- a. Any changes made to the system during installation.
 - b. Location of all devices as installed.
2. As built drawings shall be as follows:
- a. TWO copies Auto Cad (Full Size)
 - b. TWO copies Auto Cad (Reduced Size)
 - c. TWO copies Auto Cad (CD Rom)
3. Technology contractor shall furnish ONE complete technical manuals containing the following:
- a. Operations and Maintenance manuals for ALL equipment provided.

1.07 INSTALLER QUALIFICATIONS:

- A. Technology contractor shall have at least three (3) years' experience in the installation of similar systems and an authorized distributor of the equipment and systems specified.
- B. Technology contractor shall provide documentation certifying that all assigned staff have attended training courses corresponding to the type of equipment specified.
- C. Licensed to install low voltage electronic cabling systems in the state if applicable.
- D. Compliance with all manufacturer's requirements for the provision and installation of all materials specified herein.

1.08 MAINTENANCE SERVICE

Provide a service and maintenance agreement for FIVE (5) years from date of final acceptance. This shall include all license fees and associated 5-year costs.

- A. Warranty: Warrant all materials and labor against malfunction due to component failure or improper installation for a period of FIVE (5) years from the date of final acceptance. When notified of a malfunction, proceed to immediately correct the situation by replacement or repair without cost to the owner. Extend manufacturer's warranties as necessary to achieve the full duration. Indicate provisions of the warranty in the

warranty manual.

- B. Response Time: Within the warranty period, technology contractor will effect replacement of defective parts within one business day after receiving notification.
- C. Warranty Inspection: Within one month prior to expiration of the FIVE year warranty period, make adjustments and correct defects that exist to bring each system up to as-new specifications.

PART 2 - PRODUCTS

2.00 GENERAL

- A. All products installed shall be the most current and up-to-date versions available.
- B. Technology contractor shall provide written notification to, prior to installation, of any discrepancies in model or part numbers specified.
- C. Technology contractor shall provide written notification to the project manager prior to installation, of the announced discontinuation or replacement of any items specified.
- D. Technology contractor shall provide all necessary supplies, mounting hardware and accessories required to install the materials specified herein.
- E. Technology contractor shall be an authorized dealer of the products specified.

2.01 PRODUCT SUBSTITUTIONS

- A. Manufacturers: The materials, appliances, equipment and devices shall be tested and listed by a nationally recognized approvals agency for use as part of the system specified. The authorized representative of the manufacturer shall be responsible for the satisfactory installation of the complete system.
- B. The Contractor shall provide, from the acceptable manufacturer's current product lines, equipment and components, which comply, with the requirements of these Specifications. Equipment or components, which do not provide the performance and features, required by these specifications

are not acceptable, regardless of manufacturer.

- C. Strict conformance to this specification is required to ensure that the installed and programmed system will function as designed, and will accommodate the future requirements and operations of the building Owner. All specified operational features must be met without exception.
- D. All central equipment and field appliances shall be provided by the same System Supplier, and shall be designed and tested to ensure that the system operates as specified. All equipment and components shall be installed in strict compliance with the manufacturer's recommendations.
- E. That equipment proposed to be supplied will be considered only if it meets all sections of the performance specification. Any deviations of system performance outlined in this specification will only be considered when the following requirements have been met:
 - 1. A complete description of proposed alternate system performance methods with three (3) copies of working drawings thereof for review and comment by the Consultant, not less than ten (10) calendar days prior to the scheduled date for submission of bids.
 - 2. The supplier of alternate equipment shall furnish evidence that the proposed alternate system performance is equal to or superior than the system operation stated in the specification. Such evidence shall be submitted to the Consultant, not less than ten (10) calendar days prior to the scheduled date for submission of bids.
 - 3. The supplier shall submit a point-by-point statement of compliance for all sections in this specification. The statement of compliance shall consist of a list of all paragraphs within these sections. Where the proposed system complies fully with the paragraph as written, placing the word "comply" opposite the paragraph number shall indicate such. Where the proposed system does not comply with the paragraph as written, and the supplier feels the proposed system will accomplish the intent of the paragraph, a full description of the function as well as a full narrative description of how its proposal will meet its intent shall be provided. Any submission that does not include a point-by-point statement of compliance as described herein shall be disqualified. Where a full description is not provided, it shall be assumed that the proposed system does not comply.

4. The supplier of alternate equipment shall submit a list from the alternate manufacture on the manufactures letterhead indicating the names and addresses of all authorized suppliers in the area. Proprietary products will not be considered.
 5. The acceptability of any alternate proposed system shall be the sole decision of the Owner/Engineer.
- F. Approved Products: All equipment shall be of the standard product of a manufacturer.

Approved Products:

Axis, Arecont and Avigilon shall be considered per the requirements stated in these project documents. These manufactures will be required to submit point-by-point statement of compliance document .

Other products may be considered during the submittal process, as long as the products meet all requirements of the specifications.

2.02 MATERIALS/MANUFACTURERS:

- A. Video Surveillance System (ExacqVision or Avigilon)
1. CAMERA –INDOOR AXIS 3025-VE (MINIMUM REQUIREMENTS)
 - a. Mini Dome 2 MP
 - b. IP SURFACE MOUNT DOME CAMERA
 - c. lens to match desired view
 - d. PoE or 24 VAC capability, isolated power input

(Quantities as shown on the technology plans)

NOTE: Ethernet connection with POE via Category SIX Cabling will be provided by Technology Contractor.

2. CAMERA –20 MP OUTDOOR (MINIMUM REQUIREMENTS)

- a. Arecont AV20275DN, or Equal. Outdoor 20MP Omni-directional Dome with required mounting kit based on installed area.
- b. 1.3 megapixel resolution, micron megapixel CMOS module, CS mount, bundled 3.3 - 12 mm/f1.6 lens
- c. PoE and/or 12 VDC power adapter
- d. vandal-proof

NOTE: Ethernet connection with POE via Category SIX Cabling will be provided by Technology Contractor for exterior cameras mounted on the building structure.

3. CAMERA – 12 MP INDOOR/OUTDOOR (MINIMUM REQUIREMENTS)

- a. Arecont AV12276DN or equal 12MP Omni-directional Dome with required mounting kit based on installed area.
- b. 1.3 megapixel resolution, micron megapixel CMOS module, CS mount, bundled 3.3 - 12 mm/f1.6 lens
- c. PoE and 12 VDC power adapter
- d. vandal-proof

4. CAMERA – 8MP INDOOR 360 (MINIMUM REQUIREMENTS)

- a. Indoor 8MP 360 degree Dome with required mounting kit based on installed area.
- b. 1.3 megapixel resolution, micron megapixel CMOS module, CS mount, bundled 3.3 - 12 mm/f1.6 lens
- c. PoE
- d. vandal-proof

5. SENECA VIDEO SERVER, xNVR200v2-2U4-32T or equal

- a. 32TB minimum

6. All required miscellaneous hardware, software, and programming for a complete operating video surveillance system.
7. Camera Surge Suppressor
All outdoor cameras shall be equipped with a surge suppressor.
DITEK DTK-PVPIP or Equal

PART 3 - EXECUTION

3.01 GENERAL:

- A. Install all equipment and components in accordance with manufacturer's written instructions, in compliance with NEC, and with recognized industry practices, to ensure that all items comply with specifications and serve intended purposes.
- B. Record serial numbers of all items furnished that are serialized. Serial numbers to be included in warranty manual.
- C. All items must be complete as specified prior to substantial completion. It will be the responsibility of the technology contractor to ensure all cabling meets all specifications and standards.

3.02 INSTALLATION:

- A. Cabling - General: The Section 27 15 00 Contractor shall provide required CAT 6 cabling for the cameras. This Contractor is required to provide information and direction as to additional wiring requirements for the systems and devices per the manufacturer's specifications and requirements.
 1. Provide a Category 6 Patch Cord from the Camera to the RJ 45 Jack at EACH camera location....
 2. Provide a Category 6 Patch Cord from the RJ 45 Jack on the patch panel in the technology closet to the data switch in the technology closet for EACH IP camera location

NOTE: Data electronics with POE and a dedicated camera V LAN shall be provided at the main technology closet and each technology closet by Pardeeville IT staff. Selected contractor is

required to provide assistance in the setting up of the V LAN requirements with the Pardeeville Area Schools Staff.

B. Training:

1. Prior to substantial completion, provide a minimum of TWO (2) hour on-site, hands-on training for a minimum of two (2) individuals.
2. Up to 3 hours of training within the first 3 months of substantial completion dates and times to be determined by owner.

3.03 ADJUSTING/TESTING:

- A. Test the operation of EACH system and confirm the systems operate in compliance with the manufacturer's requirements and specification.

3.04 SUBSTANTIAL COMPLETION AND FINAL ACCEPTANCE

- A. Per provisions in the project documents.

END OF SECTION 28 23 00

SCHEDULE OF WORK

Room #	Room Name	Camera Type	Sheet	Notes
32	Fitness Center	8MP 360	E1.3	360 degree viewing
200	Entry Vestibule	Indoor Fixed	E5.1 A	
201	Lobby	12MP	E5.1 A	
203	Office Support	Indoor Fixed	E5.1 A	
229	Hallway near Backstage	Indoor Fixed	E5.1 B	
229	Hallway West Ext Door	Indoor Fixed	E5.1 B	
229	Hallway near Restrooms	12MP	E5.1 B	
229	Hallway near Lobby	12MP	E5.1 B	
230	Vestibule	12MP	E5.1 B	
242	Hallway Ext Door	Indoor Fixed	E5.1 B	
Exterior	SW Corner of Addition	20MP	E5.1 A	
Exterior	Corner near 242 exit	20MP	E5.1 B	
Exterior	SW Corner of Addition	20MP	E5.1 B	
Exterior	Fitness Exterior	20MP	E1.3	

1. All camera specifications are minimum standard.
2. Drawings show cable locations and mounting areas.
3. All viewing angles and targets shall be discussed with the owner prior to installation.