

SECURITY SYSTEM RENOVATIONS

Technology Request for Bid



Rockford Public Schools

Quality Community – Quality Schools
Together Building a Tradition of Excellence

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DIVISION 28 – ELECTRONIC SAFETY & SECURITY

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END OF SECTION

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NA	

END OF SECTION

SECTION 00 11 16
INVITATION TO BID

PART 1 - GENERAL

1.01 WORK INCLUDED: SECURITY SYSTEM RENOVATIONS

- A. Rockford Public Schools (Owner) is seeking bids for an ongoing additions and renovations to existing video monitoring and card access systems, associated equipment and installation services. Proposed systems shall be configured and installed to service Owner's classrooms across multiple instructional facilities, and as described herein.
- B. Project: SECURITY SYSTEM RENOVATIONS
- C. Owner: Rockford Public Schools
350 N. Main
Rockford, Michigan 49341
- D. Designer: Communications by Design, Inc.
- E. Sites of Work:
 - 1. Rockford High School
4100 Kroes
Rockford, Michigan 49341
 - 2. Rockford Freshman Center
4500 Kroes
Rockford, Michigan 49341
 - 3. East Middle School
8615 Nine Mile Road
Rockford, Michigan 49341
 - 4. North Middle School
397 E. Division
Rockford, Michigan 49341
 - 5. Belmont Elementary School
6097 Belmont Avenue
Belmont, Michigan 49306
 - 6. Cannonsburg Elementary School
4894 Sturgis
Rockford, Michigan 49341

7. Crestwood Elementary School
6350 Courtland Drive
Rockford, Michigan 49341
8. Edgerton Trails Elementary
9605 Edgerton Ave NE
Rockford, Michigan 49341
9. Lakes Elementary School
6849 Young Avenue
Rockford, Michigan 49341
10. Meadow Ridge Elementary School
8100 Courtland
Rockford, Michigan 49341
11. Parkside Elementary School
156 Lewis Street
Rockford, Michigan 49341
12. Roguewood Elementary School
3900 Kroes
Rockford, Michigan 49341
13. Valley View Elementary School
405 Summit Street
Rockford, Michigan 49341
14. Rockford Administration Office / River Valley Academy
350 N. Main Street
Rockford, Michigan 49341
15. Rockford Public Schools Maintenance Center
7155 Brewer
Rockford, Michigan 49341
16. Rockford Public Schools Special Services
235 Courtland
Rockford, Michigan 49341
17. Rockford Public Schools Transportation Center
7109 Northland Drive
Rockford, Michigan

1.02 GENERAL DESCRIPTION OF PROJECT SEQUENCE

- A. Sequences and dates specified herein are for information only and indicate the plan and intent of the Owner. Actual dates shall be established based on final award of project.
- B. Sequence of operations shall be established by the Contractor within the guidelines established by the Owner as required to meet schedules.
- C. Schedule:
 - 1. Request for Bid Distributed: March 14, 2025
 - 2. Pre-Bid Meeting: March 19, 2025 at 2:00pm – Virtual Meeting
 - 3. Intent to Bids Due: March 24 by 5:00pm
 - 4. Question and Clarification Deadline: March 25 by 5:00pm
 - 5. Public Bids Due: April 2, 2025 by 11:00am

1.03 TYPES OF BIDS

- A. Bids shall be submitted in total and with required detail for each item bid and as is required herein, and include all portions of the work identified for the individual bid package as specified herein. Bids shall be made on unaltered bid forms as included herein. Bidder shall fill in all blank spaces and the bid shall be signed by a legal officer or agent authorized to bind the bidder to a contract.

1.04 PRE-BID CONFERENCE

- A. A pre-bid conference will be held. A discussion of the project and review of bid documents will be followed by a site review and an opportunity to ask questions. Attendance is highly encouraged for all contractors interested in bidding on any components or portions of this project. Attendance at the pre-bid conference will be a factor considered during evaluation of bids.
- B. Time: March 19, 2025 at 2:00pm – Virtual Meeting
- C. Location: Wednesday, March 19 · 2:00 – 3:00pm
Time zone: America/New York
- D. Virtual Meeting joining information
 - 1. Video call link: <https://meet.google.com/ffd-phza-qwo>
 - 2. Or dial: (US) +1 717-964-0150 PIN: 442 390 315#
- E. Any appendix documents identified in the table of contents herein will be distributed and reviewed at this conference.

F. Physical building inspections of sites of work will be provided for at this time.

1.05 TIME AND PLACE OF BID RECEPTION

A. Physically sealed bids for the base bid work will be received at the district office and read aloud at a public opening. Bids arriving after the appointed time as determined by the Owner's representative conducting the public opening, shall be returned unopened. Bids will be accepted beginning forty-eight (48) hours prior to the appointed opening time provided they are in sealed packages and addressed as specified herein.

B. Bid Receipt Deadline: April 2, 2025 by 11:00am

C. Bid Opening Location: Rockford Public Schools
350 N. Main
Rockford, Michigan 49341

D. Faxed or electronically delivered bids will not be accepted.

1.06 EXAMINATION AND PROCUREMENT OF DOCUMENTS

A. Specifications and any relevant Drawings may be obtained from the Technology Designer. Contractors may obtain copies by documented request to Communications by Design, Attn: Rebecca Szilagy. Requests may be made by:

1. Writing – 4101 Sparks Drive, Grand Rapids, Michigan 49546

2. Email – rszilagy@cbdconsulting.com

1.07 BID SECURITY

A. Bid security equal to five percent (5%) of the total bid amount, must accompany each base bid in accordance with the Instruction to Bidders.

B. Bid security shall be either a Bid Bond issued by a company licensed in the State of Michigan to furnish bid security or Certified Check made payable to the Owner.

1.08 PERFORMANCE BOND COVERAGE

A. Selected Contractor(s) will be required to provide a performance bond and payment bond in an amount equal to one hundred percent (100%) of the bid amount including any accepted alternates at the Owner's discretion. Such bonds shall be issued by surety licensed by the State of Michigan and acceptable to the Owner.

1.09 OWNER'S RIGHT TO REJECT BIDS

- A. The Owner reserves the right to reject any and/or all bids. The Owner reserves the right to accept a bid, or portion thereof by issuance of a valid purchase order within ninety (90) calendar days following the bid opening. No bids may be withdrawn during this time without the specific approval of the Owner.
- B. Withdrawal of any Bids after the opening time without specific approval by Owner may result in forfeiture of required bid security by Bidder.

1.10 DEFINITIONS

- A. "Owner" is intended to mean Rockford Public Schools, a general powers school district.
- B. For purposes of this project, the terms "Architect", "Engineer" and "Designer" are used synonymously to refer to Communications by Design, Inc., a Michigan Corporation.
- C. The term "Bidder" refers to any organization properly and accurately submitting a complete "Intent to Bid Form" prior to the required time specified herein and subsequently properly submitting completed set of bid documents as specified herein.
- D. The term "Contractor" herein is a reference to the firm(s) eventually selected by the Owner to provide the intended system(s), or any portion thereof, and fulfill the terms of the contract.
- E. The term Contract is a reference to the collective set of documents, drawings, diagrams, Owner's Purchase Order, Addenda and all other materials as provided for herein defining arrangement between Owner and Contractor.
- F. The term Addenda (or Addendum) are that portion of the Contract consisting of modifications, amendments, deletions or substitutions to the contract documents issued prior to the execution of the Contract.

END OF SECTION

SECTION 00 40 00
BID FORMS

Intent to Bid Form

Complete and submit the following form if you have interest or intend to submit a Bid for this project. Unaltered and completed forms must be received on or before 5:00 PM on March 24, 2025. Only bidders returning a completed "Intent to Bid Form" will directly be notified of required addenda.

Company Information

Name: _____

Address Line1: _____

Address Line2: _____

City, State and Zip Code _____

Primary Contact Information

Name: _____

Phone No.: _____

Fax. No.: _____

E-Mail Address: _____

Portions of the bid for which you will be responding:

☐ Section 28 13 00 Building Access System

☐ Section 28 23 00 Video Monitoring System

Submit unaltered and completed form to:

Rebecca Szilagy

Communications by Design, Inc.

rszilagy@cbdconsulting.com

SEALED BID LABEL

Separate, or fold over, the label on the line below, and affix to the exterior of sealed container so information is clearly visible for Bid Submission. Insure label is attached in a manner to prevent accidental removal or defacement. Label shall serve as sole identification for sealed bid at submission.

BID TO: Rockford Public Schools
Attention: Mrs. Allison Clements
350 N. Main
Rockford, Michigan 49341

BID FROM:

PROJECT: SECURITY SYSTEM RENOVATIONS
TECHNOLOGY BID #3059

INCLUDING Addendum No. _____ Dated _____
ADDENDA: Addendum No. _____ Dated _____

DUE: April 2, 2025 by 11:00am

BID FORM

BID TO: Rockford Public Schools
Attention: Mrs. Allison Clements
350 N. Main
Rockford, Michigan 49341

BID FROM: _____

PROJECT: SECURITY SYSTEM RENOVATIONS
TECHNOLOGY BID #3059

The undersigned, having familiarized themselves with all local conditions affecting the cost of work, and having examined the site and all applicable Bidding Documents herein, and herein referenced, including, but not limited to, all addenda issued thereto, hereby propose to furnish all labor, material, equipment, applicable taxes and services required for proper completion of each of the following categories of this project for the sum of:

Bid Category _____ Title _____
_____ Dollars (\$ _____).

Said amount written above constituting the Base Bid

Bid Category _____ Title _____
_____ Dollars (\$ _____).

Said amount written above constituting the Base Bid

TAXES:

Bid sum includes all applicable taxes.

ALLOWANCES:

Base bid includes all applicable allowance cost(s) as set forth herein.

COST OF BONDS:

Bid sum includes cost of furnishing a Performance Bond and Labor and Material Payment Bond, each in the amount of one hundred percent (100%) of the bid.

ACKNOWLEDGEMENT OF ADDENDA:

The following addenda have been received, are hereby acknowledged, and their execution is included in both base bid and alternate bids herein.

Addendum No. _____ Dated _____ Addendum No. _____ Dated _____

ALTERNATES:

Based bid amount may be increased or decreased in accordance with each of the following alternate bids as may be selected, following procedures stated herein. Voluntary Alternates shown below are identified and described in detail on appropriate attachment(s) as referenced herein.

Voluntary Alternate A _____

Voluntary Alternate B _____

Voluntary Alternate C _____

Voluntary Alternate D _____

Voluntary Alternate E _____

Voluntary Alternate F _____

PRINCIPAL SUBCONTRACTORS

As required herein, the following Subcontractors are proposed to be used for this project:

Legal Name: _____ Work Proposed _____

Legal Name: _____ Work Proposed _____

BID SECURITY:

Accompanying this Bid, as required herein, is a bid security in the form of Certified Check/Cashier's Check/Bidder's Bond in the amount of:

_____ Dollars (\$ _____),

payable to the Owner, which it is agreed, shall be retained as liquidated damages, not as a penalty, by the Owner, if the undersigned fails to execute the Contract in conformity with the form of Contract incorporated and referenced herein and fails to furnish specified bonds within ten (10) days after date of issuance of a Letter of Intent to the undersigned.

If awarded the Contract, the undersigned agrees to commence work within ten (10) calendar days after date of issuance of a Purchase Order, which shall be considered as the notice to proceed, and agrees to complete the work in accordance with the schedule herein.

FAMILIAL DISCLOSURE:

Accompanying this Bid, as required herein, is a legally executed and notarized Michigan Familial Disclosure Statement.

EXCEPTIONS:

Bidder takes no exception to terms, conditions, specifications and/or any other requirements herein unless expressly noted, and specifically identified as provided for herein on unaltered Contract Exception form accompanying this Bid.

SIGNATORY AUTHORITY:

The undersigned certifies they are an authorized agent of the bidding entity, and legally able to bind the bidding entity to the terms, conditions and responsibilities of this, and all referenced bid documents. Furthermore, the undersigned acknowledges an understanding

that non-compliance of this authority or any other bidding requirements may result in forfeiture of bid security, dismissal of consideration of bid submitted, and/or personal liability against the signatory.

AGREEMENT:

The undersigned agree(s) to provide the post-bid information required within ten (10) days after notification of a Letter of Intent and to execute an agreement for work covered by this Bid on the Owner's standard Purchase Order for which terms and conditions are expanded to include all Bidding Documents and subsequent addenda issued thereto.

In submitting this bid, it is understood that the Owner reserves the right to reject any or all bids. It is further agreed that this bid is binding for a period of Ninety (90) days from the opening thereof.

Respectfully submitted,

Date: _____

Firm Name: _____

By: _____

Signed: _____

Title: _____

Official Address: _____

Telephone Number: _____

Fax Number: _____

Primary Contact Email Address: _____

(If Corporation, affix Seal)

Michigan Familial Relationship Disclosure Statement

In accordance with Section 1267 of Michigan Revised School Code this sworn and notarized statement of an authorized representative, discloses any familial relationship between the owner and/or any employee of the Bidder, and any member of the project Owner's governing Board(s) or Superintendent(s).

If any conflict of interest is discovered subsequent to submission of bid, written disclosure shall be submitted to the project Owner within seven (7) days of discovery. The project Owner reserves the right to immediately terminate any contract with Bidder upon notification of a conflict of interest. Upon such termination, the project Owner shall compensate Bidder only for the value of any goods or services provided to the Owner prior to such termination as determined by Designer.

(Check only one Box Below)

☐ It is hereby acknowledged and certified by Bidder that no familial relationship exists between the owner or any employee of the Bidder and any member of the project Owner's governing Board(s) or Superintendent(s).

☐ A familial relationship exists between the owner or an employee of the Bidder and a member of the project Owner's governing Board(s) or Superintendent(s). The person(s) and the relationship(s) are as follows:

Bidder

Board or Superintendent

_____	_____
_____	_____
_____	_____
_____	_____

Bidder Authorized Representative:

Bidder: _____

Representative's Signature: _____

Print or Type Name: _____

Representative's Title: _____

Subscribed and sworn this _____ day of _____, 2021.

In the County of _____ State of _____

By _____
Notary Public Signature

Seal or Stamp:

My commission expires on: _____

REFERENCES

Customer name: _____
Address: _____
City/State/Zip: _____
Contact name: _____
Contact title: _____
Phone: _____
E-mail: _____
Scope of project: _____

Date of completion: _____

Customer name: _____
Address: _____
City/State/Zip: _____
Contact name: _____
Contact title: _____
Phone: _____
E-mail: _____
Scope of project: _____

Date of completion: _____

Customer name: _____
Address: _____
City/State/Zip: _____
Contact name: _____
Contact title: _____
Phone: _____
E-mail: _____
Scope of project: _____

Date of completion: _____

CONTRACT EXCEPTIONS

Check one Box

☐ Bidder takes no exception to, and agrees to comply with all sections, terms, conditions and/or requirements of the Contract Documents.

☐ Bidder proposes the following exceptions to the Contract Documents:

<i>Paragraph Number</i>	<i>Explanation</i>
<hr/>	<hr/>
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NOTE:

Exception(s) to any bid sections, terms, conditions and/or requirements deemed excessive for any reason by the Owner and/or Designer may result in disqualification of Bid.

SCHEDULE OF VALUES/BID FORM

(Bidder may submit version of only this form with slight variation. All information in this form is required. Form submitted must materially match below both in content and format. Electronic version of this form is required with bid package as Microsoft Excel compatible spreadsheet on provided USB drive for each project section being bid. Failure to provide appropriate and complete SCHEDULE OF VALUES, as determined by the Owner and/or Designer, may result in disqualification of Bid.)

Bidder: _____

Bid Division: 281300

<i>ID</i>	<i>Qty</i>	<i>Part Number</i>	<i>Mfg and Description</i>	<i>Unit Cost</i>	<i>Unit Labor Cost</i>	<i>Total Proposed Cost</i>
	1	LP1501 PoE+	INTELLIGENT CONTROLLER			
	1	LP1502	INTELLIGENT CONTROLLER			
	1	MR52	INTELLIGENT CONTROLLER			
	1	MR50	INTELLIGENT CONTROLLER			
	1	MP1502 PoE+	INTELLIGENT CONTROLLER			
	1	MP1501	INTELLIGENT CONTROLLER			
	1	MP4502	INTELLIGENT CONTROLLER			
	1	MP2500	INTELLIGENT CONTROLLER			
	1	70-IN220-82278-BIPS-B-L-P-626	SARGENT/ASSA ABLOY IN220 WIRED PoE LOCKSET			
	1	AD-400-MS-70-MT-SPA-B 4AA BATTERY (MT= Mortise)	ALLEGION NETWORKED WIRELESS ELECTRONIC LOCK			
	1	SCH-PIM400-1501-LC	SCHLAGE 16 DOOR INTELLIGENT CONTROLLER			
	1	S2-NBVM-64	S2 64 PORTAL LICENSE EXPANSION			
	1	S2-NBVM-128	S2 128 PORTAL LICENSE EXPANSION			
	1	5000-C-630	HES 5000 COMPLETE WITH SATIN STAINLESS STEEL FINISH ELECTRIC STRIKE			
	1	9600-630	HES SURFACE MOUNTE SATIN FINISH ELECTRIC STRIKE			
	1	HID RP40	HID MULTICLASS SE RP40 CARD READER – WALL SWITCH			

	1	DS150ITP160	BOSCH REQUEST-TO-EXIT MOTION SENSOR WITH TP160 PLATE, LIGHT GRAY			
	1	120T-12	GRI DOOR POSITION SWITCH			
	1	S2-SUSP	S2:S2-SUSP 1-YEAR-LICENSE RENEWAL			
	2	-	SOFTWARE UPDATES AND REVIEW OF ALL PROGRAMMING			
			Labor Rate for add work (hourly)			
			Travel/Trip charge for add work			
			Annual labor rate increase %			
			Material Net Cost Mark-up %			
			PROJECT MANAGEMENT			
			GRAND TOTAL (Must match base bid)			

SCHEDULE OF VALUES/BID FORM

(Bidder may submit version of only this form with slight variation. All information in this form is required. Form submitted must materially match below both in content and format. Electronic version of this form is required with bid package as Microsoft Excel compatible spreadsheet on provided USB drive for each project section being bid. Failure to provide appropriate and complete SCHEDULE OF VALUES, as determined by the Owner and/or Designer, may result in disqualification of Bid.)

Bidder: _____

Bid Division: 282300

<i>ID</i>	<i>Qty</i>	<i>Part Number</i>	<i>Mfg and Description</i>	<i>Unit Cost</i>	<i>Unit Labor Cost</i>	<i>Total Proposed Cost</i>
	1	02331-001	AXIS P3268-LV DOME CAMERA			
	1	02332-001	AXIS P3268-LVE DOME CAMERA			
	1	02635-001	AXIS 3738-PLE MULTIDIRECTIONAL PANORAMIC CAMERA			
	1	02511-001	AXIS M4318-PLVE PANORAMIC MINI DOME CAMERA			
	1	0245-001	AXIS P3827-PVE PANORAMIC CAMERA			
	1	0237-001	AXIS P3265-LV DOME CAMERA			
	1	0238-001	AXIS 3265-LVE DOME CAMERA			
	1	02416-001	AXIS P4707-PVE DUAL SENSOR CAMERA			
	1	XPETDL	MILESTONE CAMERA LICENSE			
	1	YXPETBL	1 YEAR CARE PLUS FOR XPROTECT LICENSE RENEWAL-BASE (SERVERS)			
	1	YXPETDL-30	1 YEAR CARE PLUS FOR XPROTECT LICENSE RENEWAL-DEVICES (CAMERAS AND INTERCOMS)			
	1	-	DISTRICT WIDE CAMERA CLEANING			
			Labor Rate for add work (hourly)			
			Travel/Trip charge for add work			
			Annual labor rate increase %			
			Material Net Cost Mark-up %			
			PROJECT MANAGEMENT			
			GRAND TOTAL (Must match base bid)			

END OF SECTION

SECTION 00 21 13
INSTRUCTIONS TO BIDDERS

PART 1 - GENERAL

1.01 OWNERSHIP

- A. Bidders prepare and provide bids without any cost to the Owner and/or Designer. Once opened, bids become the sole property of the Owner. Bidders have no claim to, or ownership of bids opened. Bids become subject to all legal statutes including, if applicable, United States and Michigan Freedom of Information Acts and related laws.

1.02 COMPLIANCE

- A. This document establishes the primary system(s) design configuration. The Bidder's bid response shall include all services, supplies, components and equipment required to provide a complete turnkey system(s) which meets or exceeds all specifications for each given bid item being proposed.
- B. Owner prefers to enter into a contract with a single bidder for all materials for completion of this project, but shall consider combinations of portions of bids from various bidders. The Owner reserves the right to award portions of the project to multiple bidders who will be required to cooperate with one another in order to complete the work.
- C. By their response, Bidders agree to comply with all sections, terms, conditions and/or requirements of the contract documents except as expressly noted, and specifically identified by paragraph number on the unaltered Contract Exceptions Bid Form. Exceptions to any bid sections, terms, conditions and/or requirements deemed excessive by the Owner and/or Bid Coordinator may disqualify Bid.
- D. In compliance with the Freedom of Information Act (FOIA), the Owner shall make bid documents available for public review after issuance of purchase order to the successful bidder/s.
- E. In connection with the execution of this Contract, Contractor and any Subcontractors shall not discriminate against any employee or applicant for employment because of race, religion, color, sex, age, or national origin.
- F. Negligence in preparation, improper preparation, errors in, or omissions from Bids shall not relieve Bidder from fulfillment of any and all obligations and requirements of the Contract Documents.

- G. All Bid documents and worksheets must be completed in detail and submitted together on time.
- H. All documents constituting the entire present agreement shall be construed in accordance with and governed by the laws of the State of Michigan.
- I. Designer shall have authority for interpretation of Contract Documents. In the event terms, provisions or any other portion of the Contract Documents is/are in dispute, Designer shall have full and final authority to interpret the Contract Documents, and such interpretation shall be final and binding.
- J. In the event of a conflict between any terms or conditions in any of the documents comprising the entire present Agreement, the terms and conditions set forth in this document shall take precedence.

1.03 NOTICE AND RESPONSE

- A. Upon notification of Bidder being considered as a finalist, the Bidder shall provide to the Owner and Designer, within 48 hours, a current “Dunn and Bradstreet Supplier Evaluation Report” and other documentation as may be required of finalists herein and as requested by Owner and/or Bid Coordinator.
- B. Bidder shall provide timely response to all requests from Designer and/or Owner regarding clarification and/or elaboration concerning, but not limited to its Bid as may be deemed relevant by the Owner and/or Designer.

1.04 PROTECTION AND SAFETY

- A. Contractor shall continuously maintain adequate protection of all Work from damage and shall protect the Owner’s property from injury or loss arising in connection with the execution of the Contract. Contractor shall make good any such damage, injury or loss, except such as may be directly caused by agents or employees of the Owner. The Contractor shall adequately protect adjacent property as required by law, by the Contract Documents, or as otherwise required, to cause no damage to them during the execution of the Contract. This requirement shall also apply to structures above and below ground as conditions of the site require.
- B. Contractor shall be solely responsible for, and have control over means, methods, techniques, sequences and procedures for initiating, maintaining and supervising all safety precautions and programs in connection with the performance of the contract. Contractor shall take all necessary precautions for the safety of employees and visitors on the site of the Project and shall comply with applicable provisions of federal, state, and municipal safety laws and building codes to prevent accidents or injury to persons on, about, or adjacent to the premises where the Work is being performed. Contractor shall erect and properly maintain at all times, as required by the conditions and

progress of the Work, all necessary safeguards for the protection of workers and the community.

- C. Contractor shall vigorously defend any and all suits that may be brought against the Owner by any person and/or entity, whether in the employ of the Contractor or not, for damage to property, and/or injury or death to persons alleged or claimed to have been caused by or through the performance of work.

1.05 DRAWINGS DIAGRAMS AND ILLUSTRATIONS

- A. Drawings, Diagrams and Illustrations are diagrammatic in nature and indicate general arrangement and nature of systems and work included.
- B. Floor plan drawings are provided to assist the contractor in preparing documentation and reports as required herein.

PART 2 - MATERIALS

2.01 VOLUNTARY ALTERNATES AND SUBSTITUTION OF SPECIFIED PRODUCTS

- A. This Request for Bid describes a particular implementation. All Bids must provide pricing on the “base bid” as described herein. Voluntary alternatives providing comparable functionality with significant cost reduction and/or performance enhancement may be proposed. Voluntary alternatives are encouraged, but must be identified as “Voluntary Alternates” and detailed on unaltered Bid Forms contained herein. Voluntary Alternates may be further detailed and/or explained in attachments to the unaltered Bid Forms contained herein. Exceptions to the Request for Bid specifications must be clearly noted and explained for each Voluntary Alternate proposed.
- B. No substitutions of specified products may be made without specific prior authorization by Designer and Owner. Individual bid divisions herein contain particular information related to acceptable manufacturer and product requirements.
- C. Trade-in, equipment/license exchanges or other return allowances may be provided as a voluntary alternate. Trade-in, exchange or other return equipment allowances shall not be included in base bid amount.

PART 3 - EXECUTION

3.01 EXAMINATION OF DOCUMENTS AND SITE

- A. Bidders shall carefully examine the Contract Documents and the construction site to obtain first-hand knowledge of existing conditions and requirements. No plea of ignorance of conditions that exist, or any other relevant matter

concerning work to be performed in the execution of work will be accepted as justification for failure to fulfill every detail of all requirements as described herein.

3.02 QUESTIONS, INTERPRETATIONS AND ADDENDA

- A. Any bidder finding discrepancies between Drawings, Specifications and/or Bid Documents, or be in doubt as to the exact meaning of any provision or detail shall notify the Designer at once, and before the deadline for Questions and Clarifications. The Designer may then, at their option, issue Addenda clarifying same. The Designer is not responsible for oral instructions, or Bidder's/Contractor's misinterpretations of Drawings, Specifications and/or Bid Documents.
- B. The Designer reserves the right to issue Addenda at any time up to thirty-six (36) hours prior to the scheduled bid opening. All such addenda shall become, upon issuance, an inseparable part of the Specification/Contract Documents. Each bidder shall incorporate within their bid all costs for items listed in any/all Addenda, and shall acknowledge receipt and identifying number of each Addendum on the Bid Form and on the outside of the sealed bid container.
- C. Addenda will be forwarded to each bidder who has received a copy of the Bidding Documents and has submitted "Intent to Bid Form".

3.03 BID SECURITY, BONDS AND INSURANCE

- A. Bid Security, Performance and Payment Bonds are required on this project.
 - 1. Bid security equal to five percent (5%) of the bid amount must accompany each bid in accordance with the Instruction to Bidders.
 - a. Bid security shall be either a Bid Bond issued by a company licensed in the State of Michigan to furnish bid security or Certified Check made payable to the Owner.
- B. The selected Contractor will be required to provide a performance bond and a payment bond each in an amount equal to one hundred percent (100%) of the bid amount including any accepted alternates at the Owner's discretion.
 - 1. The surety of the performance bond shall remain in effect until all acceptances and final contract close-out requirements herein have been executed by the Owner.
- C. Contractor shall provide, prior to beginning any work at the sites, certificate of insurance for delivery to Owner indicating all required insurance coverage is in force.

1. Workers' Compensation and Employer's Liability Insurance
 - a. Coverage A – Statutory
 - b. Coverage B - \$1,000,000 Per Accident
 2. Broad Form Comprehensive General Liability Insurance (including – Premises, Elevators, Contractor's Protective Liability, Contractual, Products & Completed Operations – including Broad Form Extensions).
 - a. Each Occurrence - \$1,000,000
 - b. General Aggregate - \$2,000,000
 - c. Products & Completed Operation Aggregate - \$2,000,000
 - d. Personal Injury & Advertising Injury - \$1,000,000
 - e. Fire Legal - \$100,000
 3. Sub-contractors Operations, Products – Completed Operations and Contractual Liabilities, plus such excess coverage as may be appropriate for the limits listed.
 4. Comprehensive Automobile Liability Insurance (owned, hired, and non-owned automobiles).
 - a. Bodily - \$1,000,000 each Person and \$1,000,000 each Occurrence
 - b. Property Damage - \$1,000,000
 5. Furnish Owner with Contingent Liability Insurance Policy with coverage and liability limits the same as for Public Liability Insurance specified herein. Designate on policy as assured, only the Owner.
 6. Furnish Owner with Contingent Property Damage Insurance Policy with coverage and liability limits the same as for Property Damage specified herein. Designate on policy as assured, only the Owner.
 7. Policies shall include notification clause requiring ninety (90) days written notice to Owner in the event of policy cancellation, expiration, non-renewal, coverage reduction or other material change.
 8. Contractor shall not commence work under the Contract until after all insurance required herein as been obtained and certificates for such are approved by Owner.
- D. All such bonds and/or insurance shall be issued by surety licensed by the State of Michigan and acceptable to the Owner.

1. Insurance certificate(s) shall be signed by insurance agent licensed in the state of Michigan or a representative of the insurance company.
- E. Contractor agrees to indemnify and hold harmless the Owner and Designer, including their agents and employees, from and against all claims, damages, losses and expenses, including, but not limited to, attorney fees arising out of, or resulting from the performance of the work to the fullest extent allowed by law on a comparison basis of fault.

3.04 MODIFICATION AND WITHDRAWAL

- A. Bids may be withdrawn and/or changed any time prior to the deadline for submission of bids. Bids may not be withdrawn or changed thereafter and shall be deemed a firm offer continuing for ninety (90) calendar days. Bids received after the deadline for submission will be returned unopened at the Owner's discretion.
- B. Withdrawal of any Bid after the opening time without specific approval by Owner may result in forfeiture of required bid security by Bidder.

3.05 CODES, ORDINANCES, REGULATIONS AND RELATED

- A. All labor and materials shall be furnished and installed in strict accordance with the latest applicable codes, ordinances and regulations of any governing body having jurisdiction over this project.
- B. In the event the quality of labor and materials required by the Drawings and Specifications herein exceeds requirements of current applicable codes, ordinances and regulations, the Drawings and Specifications shall take precedence.
- C. In the event the quality of labor and materials required by current applicable codes, ordinances and regulations having jurisdiction over this project exceeds that of the Drawings and Specifications herein, the applicable codes, ordinances and regulations shall take precedence.
- D. The Contractor shall give all notices and comply with all codes, laws, ordinances, rules and regulations of any authority having jurisdiction, which bears on the performance of its work. This compliance includes, but is not limited to, the Michigan School Safety Initiative (PA129, PA130, PA131 and PA138) if applicable to work being performed.
- E. The Contractor shall pay for all licenses, permits, taxes, and fees required for this project; and shall comply with all federal, state, local and Owner's codes, laws, ordinances, regulations and other requirements applicable to the work specified at no additional cost to the Owner. Contractor shall submit copies of all approved certificates and approvals to the Owner upon receipt.

3.06 SUB-CONTRACTOR AND MATERIAL SUPPLIER

- A. The successful Bidder shall submit to the Owner and Designer a complete list of all sub-contractors and all material suppliers proposed to engage on the work. Sub-contracts shall not be awarded until after they have been approved by the Designer and Owner.
- B. Finalist bidders may be required to submit additional details related to sub-contractors and suppliers within forty-eight (48) hours after the bid opening.
- C. Names of any principal sub-contractors must be listed on the Bid Form.
- D. All contracts made by the successful Bidder with Subcontractors shall be covered by the terms and conditions herein. The successful Bidder shall see to it that Subcontractors are fully informed in regard to these terms and conditions, and shall bind all subcontractors to the same terms and conditions. Failure to do so will absolve the Owner from any liability for additional cost due to subcontractor claims for additional cost, time or any claim(s) for additional cost by subcontractor(s).

3.07 BID RESPONSE FORMAT

- A. Bidder shall provide complete Bid copies in two formats as described herein.
 - 1. One (1) Hard copy format responses shall be in a bound tabulated format. Each response shall have tab indicators for each section.
 - 2. One (1) Electronic copy format responses shall be submitted on a USB Drive, readable by a standard Microsoft Windows 10 workstation. Electronic media shall contain separate folders to organize response documentation as described herein. Files submitted electronically shall be **Adobe Acrobat** "PDF" format (SCHEDULE OF VALUES is additionally required to be on the disk in the appropriate folder as a spreadsheet and as described herein).
- B. All Bid Response formats shall be clearly externally marked to include, but not be limited to:
 - 1. Bidder identification.
 - 2. Project Owner identification.
 - 3. Project name.
 - 4. Bid submission date.

- C. Bid Responses shall include an index containing copies/PDF of a complete index of documents comprising Bid Response. Responses shall include, but not be limited to the following tabbed/folder sections:
1. Section 1 – Forms, which shall contain copies/PDF files of all required and completed bid forms.
 - a. BID FORM
 - b. Michigan Familial Relationship Disclosure Statement
 - c. REFERENCES
 - d. CONTRACT EXCEPTIONS
 - e. SCHEDULE(s) OF VALUES
 - f. BID BOND
 2. Section 2 – Overview, which shall contain copies/PDF files of cover letter and/or executive overview.
 3. Section 3 – Submittals, which shall contain copies/PDF files of all required and voluntary submittals.
 4. Section 4 – Appendices, which shall contain copies/PDF files of other reference materials Bidder wishes to, or is required to submit.

3.08 AWARD OF CONTRACT

- A. The material proposed to be used for the completion of work, and the competency, solvency and responsibility of bidders will receive due consideration before award of contract. In the reception of bids for this work, the Owner incurs no obligation to accept the lowest, or any bid submitted. The right to accept or reject any and all bids or portion thereof is reserved by the Owner. The Owner reserves the right to require testimonial, accounting or legal documents pertaining to the solvency of a Contractor, or any other decision factor the Owner deems appropriate, prior to award of contract.
- B. Owner reserves the right to select individual components from schedule of values independent of installation as may be determined in Owners best interest. Selected bidder may be required to install selected components provided by others.
- C. Issuance of a Purchase Order by Owner in response to a valid bid shall be a Notice to Proceed, and shall become part of, but not limited to, all terms, conditions and requirements herein. Notice to Proceed shall have the full effect of contract award, and shall make all terms, conditions, requirements

and responsibilities of Bidder binding upon issuance. Notice to Proceed, once issued, shall become an inseparable part of the contract documents herein, and constitute both Bidder and Owner's acceptance of contract.

3.09 TIME, SCHEDULES, PROJECT MANAGEMENT, MEETINGS AND PLANS

- A. Time is of the essence on this project. Award of contracts for this project will be contingent on the bidder's agreement to complete the work on or before the contract completion date stated herein.
- B. All Contractors will commence work in such a manner and at such a time as to expeditiously interface with the work of other Contractors, and will pursue the project diligently to completion. All Contractors will work in a cooperative manner with Owner and other Contractors.
- C. Contractor shall appoint an overall Project Manager acceptable to Owner, with skills and experience deemed appropriate by the Owner for the scope and size of the project. Project Manager shall be responsible for the scheduling of all Contractor resources and attending all project meetings. Upon notification of Bidder being considered a finalist, the Bidder shall submit professional resume of proposed Project Manager within forty-eight (48) hours.
 - 1. Project meetings shall be conducted at Owner's selected and identified location weekly and at Owner's and/or Designer's discretion.
 - 2. Within five (5) days of Notice to Proceed (issuance of a Purchase Order by the Owner), Contractor's Project Manager shall provide to the Owner a critical flow path in the form of a "Gantt Chart" (or equivalent) indicating the proposed sequence of events and approximate beginning and completion dates in accordance with, compliance to, and coordinated with requirements herein.
 - 3. Changes of the Project Manager during the project shall not be acceptable without prior written approval from the Owner.
 - 4. It is the responsibility of the Contractor's Project Manager to schedule work, work out issues, ensure that all required products and services are delivered according to schedule and attend to any other matters required by the Owner in the interest of professional and timely completion of the project.
 - 5. The appointed Project Manager, or a designee acceptable to the Owner, shall be in attendance of all project meetings throughout the term of the project. Failure to do so may be considered a material breach of contract.
 - 6. After a ten (10) business day notice, the Owner reserves the right to request a new Project Manager, when it appears that, in the Owner's sole

discretion, the Project Manager is not fulfilling the full responsibilities of the position. Failure by Contractor to provide adequate Project Manager meeting requirements of the Owner, may result in Contract termination.

3.10 CHANGES IN THE WORK

- A. No changes in work with the effect of either increasing or decreasing in the project value shall be made without specific and prior authorization by the Owner and Designer.
- B. Owner, without invalidating the contract and without notice to any surety, may at any time order extra work or make changes by altering, adding to or deducting from the work, the Contract Sum being adjusted accordingly. All such work shall be authorized by a written Change Order approved by Owner and Contract Designer. Upon receipt of such an order Contractor shall promptly proceed with the work involved. All such work shall be executed under the conditions of the original Contract. Owner authorized change order(s) may be issued at any time prior to Contract close out.
- C. When so directed, Contractor shall promptly submit an itemized estimate and a unit price for performing or deleting such extra or changed work as may be contemplated. Any extensions or reductions of the contract time associated with extra or changed work shall be identified at the time Contractor submits such documentation.
- D. At the Owner's discretion, adjustments in the Contract Sum shall be determined by one or more of the following methods:
 - 1. By mutual acceptance of a lump sum cost, including overhead and profit, itemized and supported by sufficient substantiating data to permit evaluation.
 - 2. By unit prices stated in the Contract Documents including, but not limited to, Schedule of Values.
 - 3. By unit prices mutually agreed upon.

3.11 PAYMENT REQUESTS AND PAYMENTS

- A. Contractor's invoices shall be submitted monthly in correlation with the Project Schedule indicating percentage of work completed.
- B. All contract and change order invoices shall be sent directly to Contract Designer.
- C. A 10% retainage shall be held back on all payment requests, including, but not limited to hardware, software, change orders and services, until final

completion and close out of the project or project phase as determined by Owner and Designer.

- D. Contractors are required to submit all invoices on approved AIA Payment Request Forms or other billing format pre-approved by Contract Designer. Each AIA Payment Request Form shall be accompanied by a properly completed, executed and notarized Waiver of Lien which shall be in a format and contain verbiage approved by Owner.
- E. The Contract Designer and Owner shall process payment requests on a monthly schedule and in accordance with their respective established processes and procedures. Payments will be made by the Owner based only on AIA Request Forms having been previously certified, audited and approved by Contract Designer and accompanied by acceptable Waiver of Lien.

END OF SECTION

SECTION 00 65 00
CONTRACT CLOSE OUT

PART 1 - GENERAL

1.01 WORK INCLUDED

- A. Provide an orderly and efficient transfer of the completed work to Owner.
- B. Details affecting work of this Section includes, but is not limited to all other Sections herein and all related Contract Documents.
- C. Activities relative to Contract close-out are described in, but not limited to, this and other Sections of this document.

1.02 SUBSTANTIAL COMPLETION

- A. "Substantial Completion" shall be defined as:
 - 1. All responsibilities of Contractor for all provisions and requirements of all divisions and sections of complete Contract herein, and as amended, are properly and fully completed or properly, accurately and acceptably provisioned for.
 - 2. All systems, equipment, facilities, services, programming and/or components required by all divisions and sections of complete Contract are fully operational, acceptable and useful to the Owner for their intended purposes.
- B. Prior to requesting inspection by Designer to certify Substantial Completion, Contractor shall use adequate means to assure the Work is completed in accordance with the specified requirements and is ready for such inspection.

PART 2 - MATERIALS

2.01 NOT USED FOR THIS SECTION

PART 3 - EXECUTION

3.01 PROCEDURES

- A. Contractor shall submit a written request to Designer indicating they have achieved Substantial Completion of Work.
- B. Within a reasonable time after receipt of the request, Designer will inspect Work to determine status of completion.
- C. Should Designer determine the Work is not substantially complete:

1. Designer promptly will so notify Contractor, in writing giving reasons therefore and providing sufficient details to allow Contractor to make corrective actions.
2. Contractor shall then expeditiously remedy the deficiencies and notify Designer in writing when ready for re-inspection.
3. Designer will re-inspect the Work.
4. Excessive re-inspections of Work may result in fees being assessed Contractor.

D. Should Designer concur the Work is substantially complete:

1. Designer will prepare a letter of Substantial Completion.
2. Designer will submit the letter to Owner and Contractor.
3. Contract shall be deemed "Closed Out" for retainage purposes.
4. Final Acceptance of the system shall be deemed complete.

END OF SECTION

SECTION 28 13 00
BUILDING ACCESS SYSTEM

PART 1 - GENERAL

1.01 DESCRIPTION OF PROJECT

- A. Work described in this specification section pertains to upgrade or replacement of organization wide access control system components and devices. Owner's existing system is based on an S2-Lenel/S2 Systems configuration that has been in operation for multiple years. Current system documentation is provided in relevant appendices contained herein.
- B. Over the past approximately four (4) years, work has been conducted on the S2 based system by a single contractor. During this time, Contractor has had the responsibility to verify and/or enforce consistent standards of installation, connection or workmanship. The Owner desires that a single contractor continue to be engaged to maintain standards and the installation, connectivity and workmanship across the system in the district. This may, or may not, involve new software systems based on the bids received in this process.
- C. Contractor shall advise, coordinate and work cooperatively with Owner representatives and/or owner's designee related to any installation or special security provisions.
- D. The Contractor shall design, engineer, configure, supply, connect, test, document, train Owner representatives and warrant a fully operational and compliant system, complete and with full functionality as specified herein.
- E. Contractor shall coordinate their installation with other contractors, Designer and the Owner as is appropriate.

1.02 WARRANTY

- A. Complete installation of any components shall be free from defect and/or failure due to workmanship for a period of one (1) year. Any replacement, upgrade or fix, including labor for any non-conforming or non-operational part of the system shall be fixed and/or replaced at no cost to the Owner.
- B. Manufacturer's warranty shall be provided for all components of the system.
 - 1. Any documents and/or submittals required by individual manufacturers for compliance with the standard and/or applicable extended warranty programs shall be provided and submitted for approval by the Contractor.
 - 2. Contractor shall submit all documents, apply for warranty or extended warranty certification, and provide a Certificate of Warranty or Extended

Warranty as may be applicable from the manufacturer prior to project closeout.

3. Contractor shall provide all services under the manufacturer warranty that the manufacturer warranty provides for, including, but not limited to labor, components, shipping and replacement material coordination with manufacturer.
- C. On site services provided under the warranty shall be performed by personnel or representatives of Contractor as herein defined and located within physical proximity to provide response levels deemed acceptable to Owner.
- D. Contractor shall provide the following response times for all malfunctioning equipment:
 1. Eight (8) hours or less for matters that render twenty percent (20%) or more of the system unable to maintain normal functionality.
 2. Two (2) business days for matters not meeting the above criteria.
 3. Response time shall be measured from the time Contractor is notified by Owner to the time work is begun to resolve the matter.
- E. System Warranty shall commence on date of substantial completion as certified by Designer and provided for herein. Delivery to work site of materials, physical removal from packaging, issuance of Contractor documents including, but not limited to invoices and/or packing slips, or any event or documentation, not specifically provided for herein, shall have no effect on Warranty or System Acceptance by Owner and/or Designer.

1.03 STORAGE OF MATERIALS

- A. All materials shall be secured when not in use by the Contractor.
- B. It shall be the Contractor's responsibility to secure all equipment including material to be installed as part of the contract. No changes shall be made to the contract due to loss or theft of equipment and/or materials not officially accepted by the Owner.
- C. Formal receipt of the materials shall not be completed by the Owner until completion of project closeout. The Contractor shall be responsible for all equipment until time of closeout as provided for herein.

1.04 SUBMITTALS

- A. Submittals shall consist of, but not be limited to, technical cut sheets and detailed information pamphlets on all components of the system to be installed. All cut sheets and submittals shall be distinctly marked to highlight

the actual part number of the item being submitted for approval with Bid Proposals.

- B. Shop drawings and diagrams shall be submitted by Bidder for approval by Designer with Bid Proposals.
 - 1. Shop drawings and diagrams shall show all data relating to structural, electrical, wiring, cross connect, interconnect, equipment arrangement/layout, and any other information deemed significant by the Designer.
 - 2. No work constituting final installation shall be commenced until after approval of shop drawings by Designer.
- C. Contractor shall provide proof of manufacturer support by photocopy of certification and letter of support from major component manufacturers for this specific project with Bid Proposals.
- D. Equipment or material installed for this project that does not have an approved submittal associated with it, will be removed and replaced with acceptable equipment or material as defined by the Designer. All replacement costs including, but not limited to material and labor, shall be the sole responsibility of the Contractor.
 - 1. The Owner and/or Designer may notify Contractor of any offending situations under this provision allowing Contractor up to forty-eight (48) hours to correct the situation prior to taking other corrective action.
 - 2. The Owner reserves the right to replace unapproved materials and deduct the costs of doing so as defined herein from any amounts that may be due, or become due Contractor.
- E. The Contractor shall submit within ten (10) calendar days after the Notice to Proceed, a schedule that reflects the sequence of activities of the contractor's approach to the execution of and completion of the work. The schedule shall be broken into work areas to provide for a clear identification of the planned progress of the work. Included in the schedule will be a list of tasks with list of deliverables and the percentage of work completed. This schedule shall coincide with progress payments applications dates and projected amounts. All durations shown will be in working days. The timeframe described in the Contractor's Schedule shall represent the Contractor's plan for organizing, directing, managing, controlling, staffing and executing the work required by the Contract Documents. Owner will rely on such schedules to coordinate and otherwise plan related work of Owner personnel, other separate contractors, or the Owner's routine daily work.

1.05 REFERENCE SPECIFICATIONS

- A. All work, products, and materials shall conform with the following standards as applicable for the intended use:
 - 1. IEEE
 - 2. EIA/TIA Commercial and Administration Standards
 - 3. NEC
 - 4. FCC – All Applicable Rules and Regulations
 - 5. UL
 - 6. MOSHA Safety Standards

1.06 CONTRACTOR

- A. The Contractor shall accept complete responsibility for the installation, certification and support of the system. Contractor shall be an authorized vendor of all major components.
- B. All work shall be performed and supervised by Project Managers, Engineers and/or Technicians who are qualified to install system and perform related tests as recommended by the manufacturer and in accordance with the manufacturer's best practices and methods.
- C. Project Managers, Engineers and Technicians employed on this project shall be properly and fully trained and qualified by the manufacturer on the installation and testing of the equipment and systems to be installed.
- D. The Contractor shall have a proven track record in security system configuration and installation. This must be shown by the inclusion of references of at least three (3) projects involving the installation of similar systems completed by the Contractor in the prior two (2) years on unaltered forms with the sealed Bid Proposal as provided herein. Bid Proposal Form(s) may be duplicated as required in order to provide adequate space to list required number of reference installations for each division Bidder is responding to.

1.07 CONTRACT TERM PRICING

- A. Owner intends to work exclusively with awarded Contractor during a three (3) year contract period related to additions, changes and/or system modifications. All such work that is not applicable to the warranty specified herein shall be conducted at rates and pricing consistent with that provided for and documented herein.

1. Such work shall be conducted in a professional and expeditious manner consistent with best practices and industry norms.
 2. Hourly rates, including travel charges, shall remain fixed for the term of the contract except as provided for herein.
- B. Contractors shall provide a consistent mark-up from net costs for all materials and products supplied to Owner as part of any contract work for the Owner's benefit.
1. Owner may, at its sole discretion, direct Designer to conduct an audit of Contractor costs, labor accounting, and mark-ups to verify compliance with contract provisions.
 2. In the event of any such audit, as directed by the Owner, Contractor shall fully comply with Designer requests for original cost documentation as the basis for pricing to the Owner as well as original time accounting documentation for the basis of labor pricing.
 3. Any such audit may only be ordered by the Owner if pricing being provided is not deemed consistent, or the Owner has reason to believe pricing from the contract is not being provided as required for in the cost plus model of this contract.
 4. Any such audit will be provided for the Owner without any labor or material cost to the Owner and to the satisfaction of the Owner.
- C. Owner reserves the right, with input from Designer and Contractor, to select other model(s) of materials, products, and/or equipment at their sole discretion, at any point during the contract term. Any such model change, being from the same or replacement product family, shall be accommodated by Contractor and provided at the same mark-up rates as similar and/or prior models as proposed under this contract.

PART 2 - PRODUCTS

2.01 MANUFACTURERS

- A. Acceptable Manufacturers (In alphabetical order):
1. Mercury
 2. S2/Lenel Systems
 - a. S2
 3. Or equal

- 2.02 Supply most current version of all products provided.
 - A. Manufacturer shall have five (5) years of experience and history manufacturing similar products to those specified.
 - B. Proposed components shall have been field tested and proven in actual use.
 - C. Prior and/or old versions of products, unless specifically approved and documented by Designer and/or Owner shall not be acceptable.
 - D. In cases where a newer version of hardware or software is available at the time of installation, Contractor shall request clarification from Designer on which version is to be used.
- 2.03 Furnish only new, first class quality materials and equipment.
- 2.04 System shall be comprised of interoperable components including, but not limited to, controller, credential sensors and management software integrated into a common working system.
- 2.05 System administrator shall be capable of complete system back-up and full system restoration from a previously saved configuration.
- 2.06 System shall be of a distributed processing design with a fully distributed database including, but not limited to time, date, valid codes, access levels and related data so that each Controller makes access control decisions for that location. If communications with central station equipment is lost, all transactions shall be buffered until the restoration of a connection to the central station.
- 2.07 In the event of a power failure, complete system shall automatically re-initialize and “become active” to the last configuration in use with no human intervention.
- 2.08 Contractor shall be responsible for final and working system. Use of existing components and materials provided by others during new construction shall be integral to system configuration and cost effective installation. Bidders are encouraged to use all compatible and working components in system solution. See schedule(s) and reference files for additional detail.
- 2.09 CENTRAL MANAGEMENT SOFTWARE
 - A. Contractor shall be familiar with, and have relevant experience with the S2 NetBox application providing for system configuration and integration activities.
- 2.10 SYSTEM CONFIGURATION VERIFICATION AND UPDATE
 - A. Contractor shall perform software and system review/verification/update every 18 months. The first update shall be performed upon contract

award/start of work. System shall be evaluated 18 months later to ensure that system is functioning on the latest software. (See Bid Form - Schedule of Values)

1. Work includes, but is not limited to, the following:
 - a. Application of latest versions of all applicable manufacturer firmware, software upgrades/updates and any manufacturer recommended patches and/or system fixes to maintain the system in the most current configuration recommended by manufacturer.
 - b. Software Updates
 - c. Mapping Updates
 - d. Door Name Updates
 - e. Door Schedule Changes
 - f. Programming Changes for Emergency Procedures
 - g. Updating Notifications and Rule Based Actions

1. Example: If “Lockdown” Notify these groups or people

2. Review of all central server and/or processor logs and files to address errors and/or system anomalies to ensure continued compliance with manufacturer recommended best practices.
3. Ensure all Owner documentation and record documents are updated with current and accurate information including, but not limited to door locations, specific system component hardware models, serial numbers, Software and firmware versions, installation locations, settings, compliance level with district standards of installation, configuration, workmanship and Server configuration parameters.

B. Appendix B – Existing Access Control Door Count is provided for reference.

2.11 CONTROLLER

- A. All new and/or replacement door controllers shall be generic industry standard Mercury hardware. No manufacturer specific hardware will be considered.
- B. An adequate number of controllers to support the quantity of credential readers shall be provided for each release of work during the contract term.
 1. Mercury LP1501 PoE+ and/or other IP based Door Controller(s) shall provide, but not be limited to:

- a. LP1501 PoE+
 - b. LP1502
 - c. MR52
 - d. MR50
2. Capable of supporting multiple types and styles of credential readers.
 3. Two (2) inputs for credential readers.
 4. Two (2) outputs for door interface hardware.
 5. On-board battery backup to ensure a minimum of thirty (30) minutes of system functionality in the case of commercial power failure.
 - a. In the event Ethernet PoE based controllers are to be supplied, and are sufficient to power all door devices required for operation, Owner PoE device UPS will provide 30 minute required power back-up.

2.12 CREDENTIAL READERS

A. Credential Readers shall be provided that meet or exceed the following requirements:

1. HID Corporation Credentials.
2. DC powered from associated Controller.
3. Response time for passage requests of 800ms.
4. Sealed weatherproof shell enclosure rated for outdoor operation.
5. Surface mounted on exterior surface of structure.
6. LED or other type of visual indicator indicating request status.
7. Audible status indicator upon user prompt.
8. Range of four inches (4").

2.13 DOOR INTERFACE HARDWARE (ELECTRIC LOCKS)

A. Door Interface Hardware shall meet or exceed the following:

1. End-of-line resistors terminated at the controller to protect against surges generated by activation of electric door strikes.

2. Power supplies meeting or exceeding the door hardware manufacturer requirements.
3. Power supplies shall come equipped with appropriate contact closure(s) to accept system commands.
4. Preference will be given to configurations that integrate Door interface hardware Devices (electric locks) with PoE based door controllers and eliminate the necessity for additional power sources.

B. See associated schedule(s) of values for manufacturer, part and quantity.

2.14 INTEGRATED HARDWARE

- A. Integrated door hardware (ASSA-ABLOY IN220) shall be provided in the base bid. All material and labor shall be shown on the included Schedule of Values.
- B. Integrated door hardware (ALLEGION AD-400) shall be provided in the base bid. All material and labor shall be shown on the included Schedule of Values.

2.15 REQUEST TO EXIT (REX) DEVICES

- A. Each door controlled by the system shall be equipped with PIR REX device.
- B. Devices not included integral to door hardware shall be mounted on the overhead door casing.
- C. Devices shall provide three (3) beam configurations and include appropriate contact closure for system signaling.
- D. Devices shall operate on DC power and include appropriate dedicated filtered and electronically regulated power supply. Preference will be given to configurations that integrate REX Devices with PoE based door controllers and eliminate the necessity for additional power sources.
- E. See associated schedule(s) of values for manufacturer, part and quantity.

2.16 COMPONENT INTERCONNECTION

- A. All wiring not installed in conduit shall be plenum type cable and shall be so identified with continuous marking.
- B. Wiring color shall remain the same throughout the system. Colors used for coding shall be as directed by the system manufacturer, Owner and Designer.
- C. Wire shall be copper.

PART 3 - EXECUTION

3.01 PREPARATION

- A. Contractor shall conduct detailed walk-through examination with Designer and Owner verifying equipment and material locations as well as mounting and placement requirements prior to commencement of other installation activities.
- B. Contractor shall insure all submittals and shop drawings have been provided to, and approval has been obtained from Designer prior to commencement of any final installation activities.

3.02 INSTALLATION

- A. Contractor shall be familiar with the environment where work will be done as specified herein and make every reasonable effort to minimize interference with Owner's or other contractor's activities.
- B. Work Areas shall be cleaned at the end of each day. All debris shall be cleared, removed and disposed of in an approved container for the site. All equipment and tools shall be removed from common areas and stored in approved, secure storage locations. Any work that may impede the general use of the space and/or other contractor's work and cannot be removed shall be flagged and cordoned off by the Contractor prior to their departure.
- C. All equipment and materials shall be installed in a neat and workmanlike manner. Best practices installation principles as provided for by product manufacturers and commonly accepted industry standards shall be used throughout the project.
- D. The Contractor shall furnish, set in place, and install all equipment necessary for a fully compliant and operational system as specified herein. The installation process includes, but is not limited to the following:
 - 1. Inventory receipt of all components and equipment.
 - 2. Storage of all equipment and components until such time those items are installed according to the specifications.
 - 3. Transport equipment to the Owner's installation location(s).
 - 4. Assemble, install, configure and test all equipment and components, maintaining accurate inventory records and status documents and discarding packaging.
 - 5. Collect all information necessary to accurately program all system devices to the Owner's intended use and need.

6. Label all system devices as may be appropriate and required by Owner and Designer.
7. Complete end user and system administrator training programs as specified herein.
8. Work shall be performed to meet local codes and industry standards including proper grounding and bonding of installed equipment.
9. Work shall be performed to meet relevant industry standards and best practices.
10. Work shall be performed in accordance with manufacturer's recommended best practices.

E. Worksites include the following:

1. Rockford High School
4100 Kroes
Rockford, Michigan 49341
2. Rockford Freshman Center
4500 Kroes
Rockford, Michigan 49341
3. East Middle School
8615 Nine Mile Road
Rockford, Michigan 49341
4. North Middle School
397 E. Division
Rockford, Michigan 49341
5. Belmont Elementary School
6097 Belmont Avenue
Belmont, Michigan 49306
6. Cannonsburg Elementary School
4894 Sturgis
Rockford, Michigan 49341
7. Crestwood Elementary School
6350 Courtland Drive
Rockford, Michigan 49341
8. Edgerton Elementary
9605 Edgerton Ave NE
Rockford, Michigan 49341

9. Lakes Elementary School
6849 Young Avenue
Rockford, Michigan 49341
 10. Meadow Ridge Elementary School
8100 Courtland
Rockford, Michigan 49341
 11. Parkside Elementary School
156 Lewis Street
Rockford, Michigan 49341
 12. Roguewood Elementary School
3900 Kroes
Rockford, Michigan 49341
 13. Valley View Elementary School
405 Summit Street
Rockford, Michigan 49341
 14. Rockford Administration Office / River Valley Academy
350 N. Main Street
Rockford, Michigan 49341
 15. Rockford Public Schools Maintenance Center
7155 Brewer
Rockford, Michigan 49341
 16. Rockford Public Schools Special Services
235 Courtland
Rockford, Michigan 49341
 17. Rockford Public Schools Transportation Center
7109 Northland Drive
Rockford, Michigan 49341
- F. It shall be the responsibility of the Contractor to repair or replace any damage done to the structure of finishes in the building by the Contractor. If in the course of work, Contractor damages, marks or misplaces any surfaces or access plates/panels the Contractor shall repair and/or replace the surface, plate or panel to the original condition.
1. Final determination as to the damage condition and/or repair/replacement fitness of any surface, plate or panel shall be the sole responsibility of the Designer.
 2. The building and work area shall be returned to its original condition prior to final sign off of the project.

G. Following installation and system “turn-up”, but prior to final acceptance of the system, Contractor shall conduct follow-up interviews with Owner identified administrators and staff to review system functionality, suitability and confirm feature and program fitness for Owner applications.

1. Follow-up interviews shall be fully documented by Contractor and submitted to Owner for approval.

3.03 TESTING

A. In an effort to insure a smooth “turn-up” of the new system Contractor shall submit to a thorough testing process as defined herein prior to cut-over.

B. Prior to requesting testing by Designer, the Contractor shall use adequate means to assure the Work is completed in accordance with the specified requirements, meets the owner’s specific application requirements and is ready for functionality and integrity testing.

C. Testing Procedures

1. Prior to system “turn-up”, Contractor shall submit a written request to Designer indicating they have completed full and final configuration of the system, and are ready to have system integrity and functionality tested.
2. Within reasonable time after receipt of request, Designer will provide a test schedule and coordinate testing date(s) with Owner and Contractor.
3. Should Designer determine the Work is not acceptably configured or not of adequate integrity:
 - a. Designer promptly will so notify Contractor, giving reasons therefore and providing sufficient details to allow Contractor to make corrective actions.
 - b. Contractor shall then expeditiously remedy the deficiencies and notify Designer in writing when ready for re-testing.
 - c. Designer will schedule re-test of the Work.
 - d. Excessive re-testing of Work may result in fees being assessed Contractor.
4. Should Designer and Owner concur the Work is configured properly and system integrity is as required:
 - a. Designer will review Contractors detailed “turn-up” plan, and upon finding it acceptable issue a memorandum of Testing Completion to Owner and Contractor after which system “turn-up” can proceed.

3.04 DOCUMENTATION

- A. Documentation shall also be provided in a digital format in file formats and on media as specified by Owner and/or Designer.
- B. Contractor shall be responsible for providing thorough, timely documentation on all hardware, software. Documentation shall include, but not be limited to:
 - 1. Equipment description.
 - 2. Equipment make.
 - 3. Model number.
 - 4. Software release.
 - 5. Date installed.
 - 6. Manufacturer's warranty.
 - 7. Maintenance contract terms.
 - 8. Verification of maintenance contract engagement.
 - 9. Telephone numbers for service and support.
 - 10. Detailed technical support and service procedure instructions.
 - 11. All product (hardware and software) manuals and manufacturer supplied documentation, including, but not limited to owner manuals, system administrator manuals and configuration guides. Where number of duplicate copies for particular manual or documentation item could be reasonably considered excessive, Contractor shall request direction from Owner and Designer.
 - 12. Photocopy of original invoice listing make and model for all components and equipment from individual manufacturer(s), distribution source(s), or authorized agent(s) to establish manufacturer warranty start date for potential use after end of contract warranty provisions.
 - 13. CAD as built drawings for each building.
 - 14. System Configuration Report.
 - 15. Complete inventory of installed hardware and system software. Hardware inventory shall include, but not be limited to, model numbers, serial number, physical installation location and software/firmware options.

3.05 TRAINING

- A. Training shall be conducted at the Owner's discretion and at times and places convenient to Owner personnel. Prior to any training being conducted, Contractor shall provide Owner and Designer with detailed training syllabus and schedule for proposed training event. Compliant syllabus and schedule shall be provided at least ninety-six 96 hours in advance. Owner reserves the right to postpone training if syllabus and/or schedule submitted are deemed inadequate. Training shall not be conducted until such time a syllabus and schedule submitted by Contractor are found to be acceptable to Owner.
- B. Contractor shall provide training for the Owner designated system operators(s). Owner shall designate up to six (6) system operators to be trained. Training shall be a minimum of one (1), four (4) hour session(s) in length, at the convenience of the Owner personnel, and of sufficient duration to satisfactorily complete training on all system administration functions including, but not limited to:
 - 1. Basic credential and user adds, changes and management.
 - 2. Creation of, review of, communication of and response to system alerts.
 - 3. Review of system alerts, logs and monitoring of configuration parameters including, but not limited to, configuration changes and device status.
- C. Contractor shall provide training for the Owner designated system administrator(s). Owner shall designate up to four (4) administrators to be trained. Training shall be a minimum of one (1), four (4) hour session(s) in length, at the convenience of the Owner personnel, and of sufficient duration to satisfactorily complete training on all system administration functions including, but not limited to:
 - 1. Basic trouble shooting of the installed system and components including diagnostic and problem resolution actions.
 - 2. System back-up and restore functions and procedures for all system parameters and configurations.
 - 3. Review of system alerts, logs and monitoring of configuration parameters including, but not limited to, configuration changes and device status.

3.06 SCHEDULE, MEETINGS AND PLANS

A. Schedule

- 1. Final Vendor Presentations: April 3, 2025
- 2. Contractor Chosen: April 21, 2025
- 3. Work Commences: Upon Issue of Notice to Proceed or Purchase Order

- 4. Substantial Completion of Project: NA
- 5. Project Close-out: 3-Years from Upon Notice to Proceed or Purchase Order
- B. Planned sequence of operations shall be established by the Contractor within the guidelines established by the Owner, as required herein and as required to meet schedules.
- C. All work shall be coordinated with Owner's construction manager on site.
- D. Project progress meetings shall be held, but not limited to, weekly at a site and time identified as convenient for Owner and as required herein. Meetings will be attended as required herein.

END OF SECTION

SECTION 28 23 00
VIDEO MONITORING SYSTEM

PART 1 - GENERAL

1.01 DESCRIPTION OF PROJECT

- A. Work described in this specification section pertains to renovation or replacement of an existing Video Monitoring System for Rockford Public Schools. Owner's existing system is based on a Milestone System configured with primarily Axis cameras and configured and installed over multiple years. Current system documentation is provided in relevant appendices contained herein.
- B. During the prior approximately four (4) years, work has been conducted on the Milestone based system by a single contractor. During this time, the Owner has worked to consistently verify and enforce standards of installation, connection and workmanship. The Owner desires that a single contractor be engaged to continue to standardize the installation, connectivity and workmanship across the system in the district. This may, or may not, involve new software systems based on the bids received in this process. However, it almost certainly will include at a minimum, over time, upgrades to the most current versions of all system licensing.
- C. Owner intends to renovate an IEEE Ethernet compliant Video Monitoring System covering the sites referred herein. Owner intends renovations to cameras installed to provide for improved monitoring both within the building and outside the sites indicated.
- D. Owner's existing system contains a quantity of existing cameras, servers and encoders that are currently in use that are expected to be adapted to the new system as part of the project.
- E. Contractor shall propose system renovations to be deployed using IEEE Ethernet technology. The system components shall be installed and connected to the owner's Ethernet infrastructure and as specified herein. System shall be of a "network" architecture using Ethernet cameras and centrally located Ethernet server(s).
- F. The centralized server recording equipment is installed in the Owner's existing Main Distribution Frame (MDF/Data Center) and is expected to remain there.
- G. Contractor shall advise, coordinate and work cooperatively with Owner representatives or owner's designee related to any configuration changes

required and/or proposed for Owner's existing Ethernet infrastructure (VLAN configuration, QoS mapping, routing, Firewall security provisions etc.).

- H. The Contractor shall design, engineer, configure, supply, connect, test, document, train Owner representatives and warrant a fully operational and compliant network video monitoring system, complete and with full functionality as specified herein.
- I. Contractor shall coordinate their installation with other contractors, Designer and the Owner as is appropriate.

1.02 WARRANTY

- A. Complete installation of any shall be free from defect and/or failure due to workmanship for a period of one (1) year. Any replacement, upgrade or fix, including labor for any non-conforming or non-operational part of the system shall be fixed and/or replaced at no cost to the Owner.
- B. Manufacturer's warranty shall be provided for all components of the system.
 - 1. Any documents and/or submittals required by individual manufacturers for compliance with the standard and/or applicable extended warranty programs shall be provided and submitted for approval by the Contractor.
 - 2. Contractor shall submit all documents, apply for warranty or extended warranty certification, and provide a Certificate of Warranty or Extended Warranty as may be applicable from the manufacturer prior to project closeout.
 - 3. Contractor shall provide all services under the manufacturer warranty that the manufacturer warranty provides for, including, but not limited to labor, components, shipping and replacement material coordination with manufacturer.
- C. On site services provided under the warranty shall be performed by personnel or representatives of Contractor as herein defined and located within physical proximity to provide response levels deemed acceptable to Owner.
- D. Contractor shall provide the following response times for all malfunctioning equipment:
 - 1. Eight (8) hours or less for matters that render twenty percent (20%) or more of the system unable to maintain normal functionality.
 - 2. Two (2) business days for matters not meeting the above criteria.

3. Response time shall be measured from the time Contractor is notified by Owner to the time work is begun to resolve the matter.
- E. System Warranty shall commence on date of substantial completion as certified by Designer and provided for herein. Delivery to work site of materials, physical removal from packaging, issuance of Contractor documents including, but not limited to invoices and/or packing slips, or any event or documentation, not specifically provided for herein, shall have no effect on Warranty or System Acceptance by Owner and/or Designer.

1.03 STORAGE OF MATERIALS

- A. All materials shall be secured when not in use by the Contractor.
- B. It shall be the Contractor's responsibility to secure all equipment including material to be installed as part of the contract. No changes shall be made to the contract due to loss or theft of equipment and/or materials not officially accepted by the Owner.
- C. Formal receipt of the materials shall not be completed by the Owner until completion of project closeout. The Contractor shall be responsible for all equipment until time of closeout as provided for herein.

1.04 SUBMITTALS

- A. Submittals shall consist of, but not be limited to, technical cut sheets and detailed information pamphlets on all components of the system to be installed. All cut sheets and submittals shall be distinctly marked to highlight the actual part number of the item being submitted for approval with Bid Proposals.
- B. Shop drawings and diagrams shall be submitted by Bidder for approval by Designer with Bid Proposals.
 1. Shop drawings and diagrams shall show all data relating to structural, electrical, wiring, cross connect, interconnect, equipment arrangement/layout, and any other information deemed significant by the Designer.
 2. No work constituting final installation shall be commenced until after approval of shop drawings by Designer.
- C. Contractor shall provide proof of manufacturer support by photocopy of certification and letter of support from major component manufacturers for this specific project with Bid Proposals.
- D. Equipment or material installed for this project that does not have an approved submittal associated with it, will be removed and replaced with acceptable

equipment or material as defined by the Designer. All replacement costs including, but not limited to material and labor, shall be the sole responsibility of the Contractor.

1. The Owner and/or Designer may notify Contractor of any offending situations under this provision allowing Contractor up to forty-eight (48) hours to correct the situation prior to taking other corrective action.
 2. The Owner reserves the right to replace unapproved materials and deduct the costs of doing so as defined herein from any amounts that may be due, or become due Contractor.
- E. The Contractor shall submit within ten (10) calendar days after the Notice to Proceed, a schedule that reflects the sequence of activities of the contractor's approach to the execution of and completion of the work. The schedule shall be broken into work areas to provide for a clear identification of the planned progress of the work. Included in the schedule will be a list of tasks with list of deliverables and the percentage of work completed. This schedule shall coincide with progress payments applications dates and projected amounts. All durations shown will be in working days. Microsoft Project is the software of choice for this schedule. The timeframe described in the Contractor's Schedule shall represent the Contractor's plan for organizing, directing, managing, controlling, staffing and executing the work required by the Contract Documents. Owner will rely on such schedules to coordinate and otherwise plan related work of Owner personnel, other separate contractors, or the Owner's routine daily work.

1.05 REFERENCE SPECIFICATIONS

- A. All work, products, and materials shall conform with the following standards as applicable for the intended use:
1. EIA/TIA Commercial and Administration Standards
 2. NEC
 3. IEEE 802
 4. IETF RFCs
 5. FCC – All Applicable Rules and Regulations
 6. UL
 7. MOSHA Safety Standards

1.06 CONTRACTOR

- A. The Contractor shall accept complete responsibility for the installation, certification and support of the system. Contractor shall be an authorized vendor of all major components.
- B. All work shall be performed and supervised by Project Managers, Engineers and/or Technicians who are qualified to install system and perform related tests as recommended by the manufacturer and in accordance with the manufacturer's best practices and methods.
- C. Project Managers, Engineers and Technicians employed on this project shall be properly and fully trained and qualified by the manufacturer on the installation and testing of the equipment and systems to be installed.
- D. The Contractor shall have a proven track record in video monitoring system configuration and installation. This must be shown by the inclusion of references of at least three (3) projects involving the installation of similar systems completed by the Contractor in the prior two (2) years on unaltered forms with the sealed Bid Proposal as provided herein. Bid Proposal Form(s) may be duplicated as required in order to provide adequate space to list required number of reference installations for each division Bidder is responding to.

1.07 CONTRACT TERM PRICING

- A. Owner intends to work exclusively with awarded Contractor during the contract warranty period related to additions, changes and/or system modifications. All such work that is not applicable to the warranty specified herein shall be conducted at rates and pricing consistent with that provided for and documented herein.
 - 1. Such work shall be conducted in a professional and expeditious manner consistent with best practices and industry norms.
 - 2. Hourly rates, including travel charges, shall remain fixed for the term of the contract except as provided for herein.
- B. Contractors shall provide a consistent mark-up from net costs for all materials and products supplied to Owner as part of any contract work for the Owner's benefit.
 - 1. Owner may, at its sole discretion, direct Designer to conduct an audit of Contractor costs, labor accounting, and mark-ups to verify compliance with contract provisions.
 - 2. In the event of any such audit, as directed by the Owner, Contractor shall fully comply with Designer requests for original cost documentation as the basis for pricing to the Owner as well as original time accounting documentation for the basis of labor pricing.

3. Any such audit may only be ordered by the Owner if pricing being provided is not deemed consistent, or the Owner has reason to believe pricing from the contract is not being provided as required for in the cost plus model of this contract.
 4. Any such audit will be provided for the Owner without any labor or material cost to the Owner and to the satisfaction of the Owner.
- C. Owner reserves the right, with input from Designer and Contractor, to select other model(s) of materials, products, and/or equipment at their sole discretion, at any point during the contract term. Any such model change, being from the same or replacement product family, shall be accommodated by Contractor and provided at the same mark-up rates as similar and/or prior models as proposed under this contract.

PART 2 - PRODUCTS

2.01 MANUFACTURERS

A. Acceptable Manufacturers (In alphabetical order):

1. Axis
2. Milestone
3. Or approved equal

2.02 Supply most current version of all products provided.

- A. Manufacturer shall have five (5) years of experience and history manufacturing similar products to those specified.
- B. Proposed components shall have been field tested and proven in actual use.
- C. Prior and/or old versions of products, unless specifically approved and documented by Designer and/or Owner shall not be acceptable.
- D. In cases where a newer version of hardware or software is available at the time of installation, Contractor shall request clarification from Designer on which version is to be used.

2.03 Furnish only new, first class quality materials and equipment.

2.04 System shall be comprised of interoperable components including, but not limited to, control software resident on Owner provided centrally located server, Ethernet attached cameras, camera mounting brackets and housings, patch cords and management software integrated into a common working system.

2.05 CENTRAL VIDEO MONITORING CONTROL SOFTWARE

- A. Central Control software is currently installed on a standard server provided by Owner located in the district data center.

2.06 CAMERAS

- A. Ethernet cameras shall be provided meeting or exceeding the following:
 - 1. See Schedule Of Values - Bid Form
- B. All material and labor shall be included in base bids and provided for in included Schedule of Values.

2.07 MILESTONE LICENSING

- A. One (1) Milestone XProtect Expert Device Licenses shall be provided
- B. All licensing shall include 1 year care Plus
- C. All licensing and installation and configuration labor shall be included in base bids and provided for in included Schedule of Values.

2.08 SYSTEM CONFIGURATION VERIFICATION AND UPDATE

- A. Contractor to perform software and system review/verification/update every 18 months. First update shall be performed upon contract award/start of work. System shall be evaluated 18 months later to ensure that system is functioning on the latest software. (See Bid Form - Schedule of Values) This work includes, but is not limited to:
 - 1. Application of latest versions of all applicable manufacturer firmware, software upgrades/updates and any manufacture recommended patches and/or system fixes to maintain the system in the most current configuration recommended by manufacturer.
 - 2. Mapping Updates
 - 3. Camera Naming Updates
 - 4. Updating Notifications and Rule Based Actions
 - a. Example: If “Motion during listed time frame” Notify these groups or people
 - 5. Review of all central server and/or processor logs and files to address errors and/or system anomalies to insure continued compliance with manufacturer recommended best practices.
 - 6. Ensure all Owner documentation and record documents are updated with current and accurate information including, but not limited to door

locations, specific system component hardware models, serial numbers, Software and firmware versions, installation locations, settings, compliance level with district standards of installation, configuration, workmanship and Server configuration parameters.

- B. Contractor shall be responsible for installing all software and configurations as it relates to a new video surveillance server.

2.09 CAMERA CLEANING

- A. Contractor to perform a complete camera cleaning 18 months after award of contract. (Owner's Existing Camera Inventory Appendix A has been provided for reference).
- B. See Bid Form - Schedule of Values

- 1. Includes but is not limited to the following:

- a. General cleaning of interior camera parts
 - b. Lens cleaning
 - c. Dome cover cleaning
 - d. New moisture collection packet
 - e. Camera Focusing
 - f. Camera Aiming
 - g. Resealing around exterior camera

2.10 OWNER'S EXISTING CAMERA INVENTORY

- A. Owner's existing camera inventory records are included as part of this contract document as related Appendix A.
- B. Contractor shall inspect each existing camera and verify condition for continued use as well as insure the device matches manufacturer's current best practice installation parameters, including, but not limited to current version of firmware installed. Where such conditions can not be met, contractor shall provide designer with equipment replacement rationale and a contract change proposal to facilitate continued compliant system operations.

PART 3 - EXECUTION

3.01 PREPARATION

- A. Contractor shall conduct detailed walk-through examination with Designer, Construction Manager and Owner verifying equipment and material locations as well as mounting and placement requirements prior to commencement of other installation activities.
- B. Owner and Designer shall approve a written final installation plan prior to commencement of installation activity.
- C. Contractor shall insure all submittals and shop drawings have been provided to, and approval has been obtained from Designer prior to commencement of any final installation activities.

3.02 INSTALLATION

- A. Contractor shall be familiar with the environment where work will be done as specified herein and make every reasonable effort to minimize interference with Owner's or other contractor's activities.
- B. Work Areas shall be cleaned at the end of each day. All debris shall be cleared, removed and disposed of in an approved container for the site. All equipment and tools shall be removed from common areas and stored in approved, secure storage locations. Any work that may impede the general use of the space and/or other contractor's work and cannot be removed shall be flagged and cordoned off by the Contractor prior to their departure.
- C. All equipment and materials shall be installed in a neat and workmanlike manner. Best practices installation principles as provided for by product manufacturers and commonly accepted industry standards shall be used throughout the project.
- D. Contractor shall disassemble mounting and housing components of existing cameras that are to remain in place as part of the new system and completely clean, adjust (focus, etc.) and protect all components during installation work.
- E. The Contractor shall furnish, set in place, and install all equipment necessary for a fully compliant and operational system as specified herein. The installation process includes, but is not limited to the following:
 - 1. Inventory receipt of all components and equipment.
 - 2. Storage of all equipment and components until such time those items are installed according to the specifications.
 - 3. Transport equipment to the Owner's installation location(s).
 - 4. Assemble, install, configure and test all equipment and components, maintaining accurate inventory records and status documents and discarding packaging.

5. Collect all information necessary to accurately program all system devices to the Owner's intended use and need.
6. Label all system devices as may be appropriate and required by Owner and Designer.
7. Complete end user and system administrator training programs as specified herein.
8. Work shall be performed to meet local codes and industry standards including proper grounding and bonding of installed equipment.
9. Work shall be performed to meet relevant industry standards and best practices.
10. Work shall be performed in accordance with manufacturer's recommended best practices.
11. Work includes extending Ethernet from installed equipment, as required, to Owner identified connection outlets at all locations.
 - a. Work includes supply and connection of Ethernet patch cables. Cables for some cameras may be in air plenum spaces, above finished ceilings, or in other ways require special care and suitable tools to complete.
 - b. Patch cables shall not exceed twenty (20) feet in length.
 - c. Patch cables shall be yellow in color.

F. Worksites include the following:

1. Rockford High School
4100 Kroes
Rockford, Michigan 49341
2. Rockford Freshman Center
4500 Kroes
Rockford, Michigan 49341
3. East Middle School
8615 Nine Mile Road
Rockford, Michigan 49341
4. North Middle School
397 E. Division
Rockford, Michigan 49341

5. Belmont Elementary School
6097 Belmont Avenue
Belmont, Michigan 49306
6. Cannonsburg Elementary School
4894 Sturgis
Rockford, Michigan 49341
7. Crestwood Elementary School
6350 Courtland Drive
Rockford, Michigan 49341
8. Edgerton Elementary
9605 Edgerton Ave NE
Rockford, Michigan 49341
9. Lakes Elementary School
6849 Young Avenue
Rockford, Michigan 49341
10. Meadow Ridge Elementary School
8100 Courtland
Rockford, Michigan 49341
11. Parkside Elementary School
156 Lewis Street
Rockford, Michigan 49341
12. Roguewood Elementary School
3900 Kroes
Rockford, Michigan 49341
13. Valley View Elementary School
405 Summit Street
Rockford, Michigan 49341
14. Rockford Administration Office / River Valley Academy
350 N. Main Street
Rockford, Michigan 49341
15. Rockford Public Schools Maintenance Center
7155 Brewer
Rockford, Michigan 49341
16. Rockford Public Schools Special Services
235 Courtland
Rockford, Michigan 49341

17. Rockford Public Schools Transportation Center
7109 Northland Drive
Rockford, Michigan 49341

G. It shall be the responsibility of the Contractor to repair or replace any damage done to the structure of finishes in the building by the Contractor. If in the course of work, Contractor damages, marks or misplaces any surfaces or access plates/panels the Contractor shall repair and/or replace the surface, plate or panel to the original condition.

1. Final determination as to the damage condition and/or repair/replacement fitness of any surface, plate or panel shall be the sole responsibility of the Designer.
2. The building and work area shall be returned to its original condition prior to final sign off of the project.

H. Following installation and system “turn-up”, but prior to final acceptance of the system, Contractor shall conduct follow-up interviews with Owner identified administrators and staff to review system functionality, suitability and confirm feature and program fitness for Owner applications.

1. Follow-up interviews shall be fully documented by Contractor and submitted to Owner for approval.

3.03 TESTING

A. In an effort to insure a smooth “turn-up” of the new system Contractor shall submit to a thorough testing process as defined herein prior to cut-over.

B. Prior to requesting testing by Designer, the Contractor shall use adequate means to assure the Work is completed in accordance with the specified requirements, meets the owner’s specific application requirements and is ready for functionality and integrity testing.

C. Testing Procedures

1. Prior to system “turn-up”, Contractor shall submit a written request to Designer indicating they have completed full and final configuration of the system, and are ready to have system integrity and functionality tested.
2. Within reasonable time after receipt of request, Designer will provide a test schedule and coordinate testing date(s) with Owner and Contractor.
3. Should Designer determine the Work is not acceptably configured or not of adequate integrity:

- a. Designer promptly will so notify Contractor, giving reasons therefore and providing sufficient details to allow Contractor to make corrective actions.
 - b. Contractor shall then expeditiously remedy the deficiencies and notify Designer in writing when ready for re-testing.
 - c. Designer will schedule re-test of the Work.
 - d. Excessive re-testing of Work may result in fees being assessed Contractor.
4. Should Designer and Owner concur the Work is configured properly and system integrity is as required:
 - a. Designer will review Contractors detailed “turn-up” plan, and upon finding it acceptable issue a memorandum of Testing Completion to Owner and Contractor after which system “turn-up” can proceed.

3.04 DOCUMENTATION

- A. Contractor shall, at the completion of installation phase of the project, provide Owner as-built drawings, owner’s manuals of all equipment installed, warranty and maintenance information and other information the Contractor, Designer and/or Owner deem necessary. Documentation shall be provided in a digital format in file formats and on media as specified by Owner and/or Designer.
- B. Contractor shall be responsible for providing thorough, timely documentation on all hardware, software. Documentation shall include, but not be limited to:
 1. Equipment description.
 2. Equipment make.
 3. Model number.
 4. Software release.
 5. Date installed.
 6. Manufacturer's warranty.
 7. Maintenance contract terms.
 8. Verification of maintenance contract engagement.

9. Telephone numbers for service and support.
10. Detailed technical support and service procedure instructions.
11. All product (hardware and software) manuals and manufacturer supplied documentation, including, but not limited to owner manuals, system administrator manuals and configuration guides. Where number of duplicate copies for particular manual or documentation item could be reasonably considered excessive, Contractor shall request direction from Owner and Designer.
12. Photocopy of original invoice listing make and model for all components and equipment from individual manufacturer(s), distribution source(s), or authorized agent(s) to establish manufacturer warranty start date for potential use after end of contract warranty provisions.
13. As built drawings for each building (PDF or CAD)
14. System Configuration Report.
15. Complete inventory of installed hardware and system software. Hardware inventory shall include, but not be limited to, AP and antenna types (model numbers), Ethernet MAC address, AP serial number, physical installation location and software options.

3.05 TRAINING

- A. Contractor shall provide training for the Owner designated system administrator(s). Owner shall designate up to two (2) administrators to be trained. Training shall be a minimum of one (1) four (4) hour session in length, at the convenience of the Owner personnel, and of sufficient duration to satisfactorily complete training on all system administration functions including, but not limited to:
 1. Basic trouble shooting of the installed system and components including diagnostic and problem resolution actions.
 2. System back-up and restore functions and procedures for all system parameters and configurations.
 3. Camera additions, moves, changes and reconfiguration.
 4. Review of system alerts, logs and monitoring of configuration parameters including, but not limited to, camera configuration changes, video transmission changes and camera status.

B. Contractor shall provide Key Operator Training for Owner designated personnel. Owner shall identify up to 6 persons for such training. Training shall be conducted for a minimum of two (2) hours at the convenience of Owner personnel, and of sufficient duration to satisfactorily complete training on all system functions necessary, including, but not limited to:

1. Live camera monitoring
2. Control of PTZ cameras if applicable
3. Review of archived video
4. Identification of archived video for removal of a copy

3.06 SCHEDULE, MEETINGS AND PLANS

A. Schedule

1. Final Vendor Presentations: April 3, 2025
2. Contractor Chosen: April 21, 2025
3. Work Commences: Upon Issue of Notice to Proceed or Purchase Order
4. Substantial Completion of Project: NA
5. Project Close-out: 3-Years from Upon Notice to Proceed or Purchase Order

E. Planned sequence of operations shall be established by the Contractor within the guidelines established by the Owner, as required herein and as required to meet schedules.

B. All work shall be coordinated with Owner's construction manager on site.

C. Project progress meetings shall be held, but not limited to, weekly at a site and time identified as convenient for Owner and as required herein. Meetings will be attended as required herein.

END OF SECTION

Rockford Public Schools
APPENDIX A
Existing Camera Inventory

Location	Manufacturer	Model	Resolution	Camera #	Interior/Exterior	Interior Counts	Exterior Counts	Total Cameras
Administration	Axis	P3364-VE	1mp	1	Exterior		1	1
Administration	Axis	P3367-VE	5mp	2	Exterior		1	1
Administration	Axis	M3203-V	800x600	3	Interior	1		1
Administration	Axis	P3364-VE	1mp	4	Exterior		1	1
Administration	Axis	P3225-V	2mp	5	Interior	1		1
Administration	Axis	P3227-LV	5mp	6	Interior	1		1
Administration	Axis	P3268-LV	8mp	7	Interior	1		1
Administration	Axis	P3227-LV	5mp	8	Interior	1		1
Administration	Axis	M3058-PLVE	12mp	9	Exterior		1	1
Administration	Axis	P3227-LV	5mp	10	Interior	1		1
Administration	Axis	P3719-PLE	15mp	11	Exterior		1	1
Administration	Axis	P3245-LV	2mp	12	Interior	1		1
Administration	Axis	P3227-LV	5mp	13	Interior	1		1
Administration	Axis	P3225-V Mk II	2mp	14	Interior	1		1
Administration	Axis	A8207-VE	6mp	15	Exterior		1	1
Administration	Axis	M3058-PLVE	12mp	16	Exterior		1	1
Administration Total						9	7	16

Belmont Elementary	Axis	P3364	1mp	1	Interior	1		1
Belmont Elementary	Arecont	AV8185DN-HB	8mp	3	Exterior		1	1
Belmont Elementary	Axis	Q3807-PVE	8.3mp	4	Exterior		1	1
Belmont Elementary	Axis	Q3819-PVE	14mp	5	Exterior		1	1
Belmont Elementary	Axis	Q3819-PVE	14mp	6	Exterior		1	1
Belmont Elementary	Axis	Q3819-PVE	14mp	7	Exterior		1	1
Belmont Elementary	Axis	P3719-PLE	15mp	8	Exterior		1	1
Belmont Elementary	Axis	P3719-PLE	15mp	9	Exterior		1	1
Belmont Elementary	Axis	P3245-LV	2mp	10	Interior	1		1
Belmont Elementary	Axis	P3247-LV	5mp	11	Interior	1		1
Belmont Elementary	Axis	P3247-LV	5mp	12	Interior	1		1
Belmont Elementary	Axis	P3719-PLE	15mp	13	Exterior		1	1
Belmont Elementary	Axis	M3204	1mp	14	Interior	1		1
Belmont Elementary	Axis	P3248-LVE	2mp	2	Exterior		1	1
Belmont Elementary	Axis	A8105E	2mp	15	Interior	1		1
Belmont Elementary Total						6	9	15

Boathouse	Axis	M3045-V	2mp	1	Interior	1		1
Boathouse	Axis	P3367-VE	5mp	2	Exterior		1	1
Boathouse	Axis	M3007	5mp	3	Interior	1		1
Boathouse	Axis	Q3709-PVE	33mp	4	Exterior		1	1
Boathouse	Axis	Q3709-PVE	33mp	5	Exterior		1	1
Boathouse	Axis	Q3709-PVE	33mp	6	Exterior		1	1
Boathouse Total						2	4	6

Brewer House	Axis	P3268-LVE	8mp	1	Exterior		1	1
Brewer House Total						0	1	1

Cannonsburg Elementary	Axis	P3364-VE	1mp	1	Exterior		1	1
Cannonsburg Elementary	Axis	P3719-PLE	15mp	2	Exterior		1	1
Cannonsburg Elementary	Axis	P3267-LV	5mp	3	Interior	1		1
Cannonsburg Elementary	Axis	M3058-PLVE	12mp	4	Exterior		1	1
Cannonsburg Elementary	Axis	P3267-LV	5mp	5	Interior	1		1
Cannonsburg Elementary	Axis	P3267-LV	5mp	6	Interior	1		1
Cannonsburg Elementary	Axis	P3267-LV	5mp	7	Interior	1		1
Cannonsburg Elementary	Axis	P3265-LV	2mp	8	Interior	1		1
Cannonsburg Elementary	Axis	M3203 (Spare)	640 x 480	9	Interior	1		1
Cannonsburg Elementary	Axis	P3265-LV	2mp	10	Interior	1		1
Cannonsburg Elementary	Axis	P3265-LV	2mp	11	Interior	1		1
Cannonsburg Elementary	Axis	P3265-LV	2mp	12	Interior	1		1
Cannonsburg Elementary	Axis	P3265-LV	2mp	13	Interior	1		1

Cannonsburg Elementary	Axis	P3719-PLE	15mp	14	Exterior		1	1
Cannonsburg Elementary	Axis	P3719-PLE	15mp	15	Exterior		1	1
Cannonsburg Elementary	Axis	P3719-PLE	15mp	16	Exterior		1	1
Cannonsburg Elementary	Axis	P3807-PVE	8.3mp	17	Exterior		1	1
Cannonsburg Elementary	Axis	Q3819-PVE	14mp	18	Exterior		1	1
Cannonsburg Elementary	Axis	A8105E	2mp	19	Interior	1		1
Cannonsburg Elementary Total						11	8	19

Crestwood Elementary	Axis	P3364-VE	1mp	1	Exterior		1	1
Crestwood Elementary	Axis	P3247-LV	5mp	2	Interior	1		1
Crestwood Elementary	Axis	P3247-LV	5mp	3	Interior	1		1
Crestwood Elementary	Axis	P3247-LV	5mp	4	Interior	1		1
Crestwood Elementary	Axis	P3247-LV	5mp	5	Interior	1		1
Crestwood Elementary	Axis	M3058-PLVE	12mp	6	Exterior		1	1
Crestwood Elementary	Axis	M3058-PLVE	12mp	7	Exterior		1	1
Crestwood Elementary	Axis	P3719-PLE	15mp	8	Exterior		1	1
Crestwood Elementary	Axis	M3204	1mp	9	Interior	1		1
Crestwood Elementary	Axis	M3204	1mp	10	Interior	1		1
Crestwood Elementary	Axis	P3247-LV	5mp	11	Interior	1		1
Crestwood Elementary	Axis	P3247-LV	5mp	12	Interior	1		1
Crestwood Elementary	Axis	P3719-PLE	15mp	13	Exterior		1	1
Crestwood Elementary	Axis	Q3819-PVE	14mp	14	Exterior		1	1
Crestwood Elementary	Axis	P3719-PLE	15mp	15	Exterior		1	1
Crestwood Elementary	Axis	P3719-PLE	15mp	16	Exterior		1	1
Crestwood Elementary	Axis	M3058-PLVE	12mp	17	Exterior		1	1
Crestwood Elementary	Axis	Q3819-PVE	14mp	18	Exterior		1	1
Crestwood Elementary	Axis	A8105-E	2mp	19	Interior	1		1
Crestwood Elementary	Axis	M3058-PLVE	12mp	20	Exterior		1	1
Crestwood Elementary	Axis	M3058-PLVE	12mp	21	Exterior		1	1
Crestwood Elementary	Axis	M3058-PLVE	12mp	22	Exterior		1	1
Crestwood Elementary	Axis	P3719-PLE	15mp	23	Exterior		1	1
Crestwood Elementary	Axis	P3719-PLE	15mp	24	Exterior		1	1
Crestwood Elementary	Axis	P3719-PLE	15mp	25	Exterior		1	1
Crestwood Elementary Total						9	16	25

East Rockford Middle School	Axis	P3364-VE	1mp	1	Exterior		1	1
East Rockford Middle School	Axis	M3203-V	800x600	2	Interior	1		1
East Rockford Middle School	Axis	P3364-VE	1mp	3	Exterior		1	1
East Rockford Middle School	Axis	M5014	1.3mp	4	Interior	1		1
East Rockford Middle School	Axis	M5014	1mp	5	Interior	1		1
East Rockford Middle School	Axis	M5014	1mp	6	Interior	1		1
East Rockford Middle School	Axis	M5014	1mp	7	Interior	1		1
East Rockford Middle School	Axis	M5014	1mp	8	Interior	1		1
East Rockford Middle School	Axis	M5014	1mp	9	Interior	1		1
East Rockford Middle School	Axis	M5014	1mp	10	Interior	1		1
East Rockford Middle School	Axis	P3227	5mp	11	Interior	1		1
East Rockford Middle School	Axis	P3227	5mp	12	Exterior		1	1
East Rockford Middle School	Axis	Q3708-PVE	15mp	13	Interior	1		1
East Rockford Middle School	Axis	M3106-L Mk II	4mp	14	Interior	1		1
East Rockford Middle School	Axis	M3106-L MK II		15	Interior	1		1
East Rockford Middle School	Axis	P3719-PLE	15mp	16	Exterior		1	1
East Rockford Middle School	Axis	M3058-PLVE	12mp	17	Exterior		1	1
East Rockford Middle School	Axis	P3227-LV	5mp	18	Interior	1		1
East Rockford Middle School	Axis	M5014	1.3mp	19	Interior	1		1
East Rockford Middle School	Axis	P3245-LV	2mp	20	Interior	1		1
East Rockford Middle School	Axis	P3245-LV	2mp	21	Interior	1		1
East Rockford Middle School	Axis	P3227-LV	5mp	22	Interior	1		1
East Rockford Middle School	Axis	P3227-LV	5mp	23	Interior	1		1
East Rockford Middle School	Axis	P3227-LV	5mp	24	Interior	1		1
East Rockford Middle School	Axis	P3364-VE	1mp	25	Exterior		1	1
East Rockford Middle School	Axis	P3227-LV	5mp	26	Interior	1		1
East Rockford Middle School	Axis	P3227-LV	5mp	27	Interior	1		1
East Rockford Middle School	Axis	P3245-LV	2mp	28	Interior	1		1
East Rockford Middle School	Axis	Q3708-PVE	15mp	29	Exterior		1	1
East Rockford Middle School	Axis	M3058-PLVE	12mp	30	Exterior		1	1

East Rockford Middle School	Axis	P3364-VE	1mp	31	Exterior		1	1
East Rockford Middle School	Axis	M3058-PLVE	12mp	32	Exterior		1	1
East Rockford Middle School	Axis	M3058-PLVE	12mp	33	Exterior		1	1
East Rockford Middle School	Axis	P3245-LV	2mp	34	Interior	1		1
East Rockford Middle School	Axis	M3058-PLVE	12mp	35	Exterior		1	1
East Rockford Middle School	Axis	M3058-PLVE	12mp	36	Exterior		1	1
East Rockford Middle School	Axis	P3245-LV	2mp	37	Interior	1		1
East Rockford Middle School	Axis	M5015	1.3mp	38	Interior	1		1
East Rockford Middle School	Axis	A8105-E	2mp	39	Interior	1		1
East Rockford Middle School	2n	Clip			Interior	1		1
East Rockford Middle School Total						27	13	40

Lakes Elementary	Axis	P3364-VE	1mp	1	Exterior		1	1
Lakes Elementary	Axis	P3719-PLE	15mp	2	Exterior		1	1
Lakes Elementary	Axis	M3058-PLVE	12mp	3	Exterior		1	1
Lakes Elementary	Axis	P3267-LV	5mp	4	Interior	1		1
Lakes Elementary	Axis	P3267-LV	5mp	5	Interior	1		1
Lakes Elementary	Axis	P3265-LV	2mp	6	Interior	1		1
Lakes Elementary	Axis	P3268-LV	8.3mp	7	Interior	1		1
Lakes Elementary	Axis	P3265-LV	2mp	8	Interior	1		1
Lakes Elementary	Axis	P3267-LV	5mp	9	Interior	1		1
Lakes Elementary	Axis	P3267-LV	5mp	10	Interior	1		1
Lakes Elementary	Axis	P3267-LV	5mp	11	Interior	1		1
Lakes Elementary	Axis	P3267-LV	5mp	12	Interior	1		1
Lakes Elementary	Axis	P3719-PLE	15mp	13	Exterior		1	1
Lakes Elementary	Axis	P3719-PLE	15mp	14	Exterior		1	1
Lakes Elementary	Axis	P3719-PLE	15mp	15	Exterior		1	1
Lakes Elementary	Axis	P3719-PLE	15mp	16	Exterior		1	1
Lakes Elementary	Axis	P3719-PLE	15mp	17	Exterior		1	1
Lakes Elementary	Axis	P3719-PLE	15mp	18	Exterior		1	1
Lakes Elementary	Axis	Q3819-PVE	14mp	19	Exterior		1	1
Lakes Elementary	Axis	A8105-E	2mp	20	Interior	1		1
Lakes Elementary Total						10	10	20

Maintenance Building	Axis	P3364-VE	1mp	1	Exterior		1	1
Maintenance Building	Axis	P3346-VE	3mp	2	Exterior		1	1
Maintenance Building	Axis	P3364-VE	1mp	3	Exterior		1	1
Maintenance Building Total						0	3	3

Meadow Ridge Elementary	Axis	P3364-VE	1mp	1	Exterior		1	1
Meadow Ridge Elementary	Axis	P3719-PLE	15mp	1	Exterior		1	1
Meadow Ridge Elementary	Axis	P3267-LV	5mp	2	Interior	1		1
Meadow Ridge Elementary	Axis	P3267-LV	5mp	3	Interior	1		1
Meadow Ridge Elementary	Axis	P3214-V	2mp	4	Interior	1		1
Meadow Ridge Elementary	Axis	P3267-LV	5mp	5	Interior	1		1
Meadow Ridge Elementary	Axis	P3267-LV	5mp	6	Interior	1		1
Meadow Ridge Elementary	Axis	P3265-LV	2mp	7	Interior	1		1
Meadow Ridge Elementary	Axis	P3265-LV	2mp	8	Interior	1		1
Meadow Ridge Elementary	Axis	P3265-LV	2mp	9	Interior	1		1
Meadow Ridge Elementary	Axis	P3265-LV	2mp	10	Interior	1		1
Meadow Ridge Elementary	Axis	P3265-LV	2mp	11	Interior	1		1
Meadow Ridge Elementary	Axis	P3265-LV	2mp	12	Interior	1		1
Meadow Ridge Elementary	Axis	P3265-LV	2mp	13	Interior	1		1
Meadow Ridge Elementary	Axis	P3265-LV	2mp	14	Interior	1		1
Meadow Ridge Elementary	Axis	P3719-PLE	15mp	15	Exterior		1	1
Meadow Ridge Elementary	Axis	P3719-PLE	15mp	16	Exterior		1	1
Meadow Ridge Elementary	Axis	P3719-PLE	15mp	17	Exterior		1	1
Meadow Ridge Elementary	Axis	P3807-PVE	8.3mp	18	Exterior		1	1
Meadow Ridge Elementary	Axis	Q3819-PVE	14mp	19	Exterior		1	1
Meadow Ridge Elementary	Axis	P3719-PLE	15mp	20	Exterior		1	1
Meadow Ridge Elementary	Axis	P3268-LVE	8mp	21	Exterior		1	1
Meadow Ridge Elementary	Axis	A8105-E	2mp	23	Interior	1		1
Meadow Ridge Elementary	Axis	P3268-LVE	8mp	24	Exterior		1	1
Meadow Ridge Elementary	Axis	P3268-LVE	8mp	25	Exterior		1	1

Meadow Ridge Elementary Total							14	11	25
North Rockford Middle School	Axis	P3364-VE	1mp	1	Exterior			1	1
North Rockford Middle School	Axis	P3346-VE	3mp	2	Exterior			1	1
North Rockford Middle School	Axis	P3346-VE	3mp	3	Exterior			1	1
North Rockford Middle School	Axis	P3364-VE	1mp	4	Exterior			1	1
North Rockford Middle School	Axis	P3719-PLE	15mp	5	Exterior			1	1
North Rockford Middle School	Axis	M3203-V	800x600	6	Interior	1			1
North Rockford Middle School	Axis	M5014	1mp	7	Interior	1			1
North Rockford Middle School	Axis	P3719-PLE	15mp	8	Exterior			1	1
North Rockford Middle School	Axis	M5014	1mp	9	Interior	1			1
North Rockford Middle School	Axis	P3364	1mp	10	Interior	1			1
North Rockford Middle School	Axis	P3346	3mp	11	Interior	1			1
North Rockford Middle School	Axis	Q3819-PVE	14mp	12	Exterior			1	1
North Rockford Middle School	Axis	M3203	800x600	13	Interior	1			1
North Rockford Middle School	Axis	P3227-LV	15mp	14	Interior	1			1
North Rockford Middle School	Axis	P3719-PLE	15mp	15	Interior	1			1
North Rockford Middle School	Axis	P3719-PLE	15mp	16	Interior	1			1
North Rockford Middle School	Axis	P3719-PLE	15mp	17	Interior	1			1
North Rockford Middle School	Axis	P3719-PLE	15mp	18	Interior	1			1
North Rockford Middle School	Axis	P3719-PLE	15mp	19	Interior	1			1
North Rockford Middle School	Axis	P3719-PLE	15mp	20	Interior	1			1
North Rockford Middle School	Axis	P3227-LV	5mp	21	Interior	1			1
North Rockford Middle School	Axis	P3227-LV	5mp	22	Interior	1			1
North Rockford Middle School	Axis	M3058-PLVE	12mp	23	Interior	1			1
North Rockford Middle School	Axis	M3058-PLVE	12mp	24	Interior	1			1
North Rockford Middle School	Axis	P3227-LVE	5mp	26	Interior	1			1
North Rockford Middle School	Axis	P3807-PVE	8.3mp	27	Exterior			1	1
North Rockford Middle School	Axis	P3807-PVE	8.3mp	28	Exterior			1	1
North Rockford Middle School	Axis	P3807-PVE	8.3mp	29	Exterior			1	1
North Rockford Middle School	Axis	M3058-PLVE	12mp	30	Exterior			1	1
North Rockford Middle School	Axis	M3058-PLVE	12mp	31	Exterior			1	1
North Rockford Middle School	Axis	P3719-PLE	15mp	32	Exterior			1	1
North Rockford Middle School	Axis	P3719-PLE	15mp	33	Exterior			1	1
North Rockford Middle School	Axis	P3719-PLE	15mp	34	Exterior			1	1
North Rockford Middle School	Axis	P3268-LVE	8mp	TEMP	Exterior			1	1
North Rockford Middle School	Axis	A8105-E	2mp	35	Interior	1			1
North Rockford Middle School	Axis	P3818-PVE	14mp	36	Exterior			1	1
North Rockford Middle School	Axis	P3738-PLE	32mp	37	Exterior			1	1
North Rockford Middle School	Axis	P3738-PLE	32mp	38	Exterior			1	1
North Rockford Middle School	Axis	P3818-PVE	14mp	39	Exterior			1	1
North Rockford Middle School	Axis	P3738-PLE	32mp	40	Exterior			1	1
North Rockford Middle School	Axis	M4318-PLVE	12mp	41	Interior	1			1
North Rockford Middle School	Axis	M4318-PLVE	12mp	42	Interior	1			1
North Rockford Middle School	Axis	M4318-PLVE	12mp	43	Interior	1			1
North Rockford Middle School	Axis	M4318-PLVE	12mp	44	Interior	1			1
North Rockford Middle School	Axis	P3738-PLE	32mp	45	Exterior			1	1
North Rockford Middle School	Axis	P3738-PLE	32mp	46	Exterior			1	1
North Rockford Middle School	Axis	P4707-PLVE	2X5mp	47	Exterior			1	1
North Rockford Middle School Total							23	24	47

Parkside Elementary	Axis	P3364 VE	1mp	1	Exterior			1	1
Parkside Elementary	Axis	P3245-LV	2mp	2	Interior	1			1
Parkside Elementary	Axis	P3247-LV	5mp	3	Interior	1			1
Parkside Elementary	Axis	P3719-PLE	15mp	4	Exterior			1	1
Parkside Elementary	Axis	P3245-LV	2mp	5	Interior	1			1
Parkside Elementary	Axis	P3247-LV	5mp	6	Interior	1			1
Parkside Elementary	Axis	P3247-LV	5mp	7	Interior	1			1
Parkside Elementary	Axis	P3719-PLE	15mp	8	Exterior			1	1
Parkside Elementary	Axis	P3245-LV	2mp	9	Interior	1			1
Parkside Elementary	Axis	P3719-PLE	15mp	10	Exterior			1	1
Parkside Elementary	Axis	P3818-PVE	14mp	11	Exterior			1	1
Parkside Elementary	Axis	P3807-PVE	8.3mp	12	Exterior			1	1
Parkside Elementary	Axis	P3807-PVE	8.3mp	13	Exterior			1	1
Parkside Elementary	Axis	P3807-PVE	8.3mp	14	Exterior			1	1

Parkside Elementary	Axis	P3719-PLE	15mp	15	Exterior		1	1
Parkside Elementary	Axis	A8105-E	2mp	16	Interior	1		1
Parkside Elementary Total						7	9	16

Rockford Freshman Center	Axis	M3007	5mp	1	Interior	1		1
Rockford Freshman Center	Axis	M3007	5mp	2	Interior	1		1
Rockford Freshman Center	Axis	M3007	5mp	3	Interior	1		1
Rockford Freshman Center	Axis	M3007	5mp	4	Interior	1		1
Rockford Freshman Center	Axis	M3045-V	2mp	5	Interior	1		1
Rockford Freshman Center	Axis	M3007	5mp	6	Interior	1		1
Rockford Freshman Center	Axis	M3045-V	2mp	7	Interior	1		1
Rockford Freshman Center	Axis	M3045-V	2mp	8	Interior	1		1
Rockford Freshman Center	Axis	M3045-V	2mp	9	Interior	1		1
Rockford Freshman Center	Axis	M3007	5mp	10	Interior	1		1
Rockford Freshman Center	Axis	M3045-V	2mp	11	Interior	1		1
Rockford Freshman Center	Axis	M3045-V	2mp	12	Interior	1		1
Rockford Freshman Center	Axis	M3045-V	2mp	13	Interior	1		1
Rockford Freshman Center	Axis	M3007	5mp	14	Interior	1		1
Rockford Freshman Center	Axis	M3045-V	2mp	15	Interior	1		1
Rockford Freshman Center	Axis	M3007	5mp	16	Interior	1		1
Rockford Freshman Center	Axis	M3045-V	2mp	17	Interior	1		1
Rockford Freshman Center	Axis	M3045-V	2mp	18	Interior	1		1
Rockford Freshman Center	Axis	M3007	5mp	19	Interior	1		1
Rockford Freshman Center	Axis	M3007	5mp	20	Interior	1		1
Rockford Freshman Center	Axis	Q6032-E	704x576	21	Exterior		1	1
Rockford Freshman Center	Axis	Q-3708-PVE	15mp	22	Exterior		1	1
Rockford Freshman Center	Axis	M3045-V	2mp	23	Interior	1		1
Rockford Freshman Center	Axis	P3364 VE	1mp	24	Exterior		1	1
Rockford Freshman Center	Axis	M3045-V	2mp	25	Interior	1		1
Rockford Freshman Center	Axis	M3045-V	2mp	26	Interior	1		1
Rockford Freshman Center	Axis	M3045-V	2mp	27	Interior	1		1
Rockford Freshman Center	Axis	M3045-V	2mp	28	Interior	1		1
Rockford Freshman Center	Axis	A8105-E	2mp	29	Interior	1		1
Rockford Freshman Center Total						26	3	29

Rockford High School	Axis	Q3709-PVE	11mp	1a	Exterior		1	1
Rockford High School	Axis	Q3709-PVE	11mp	1b	Exterior		1	1
Rockford High School	Axis	Q3709-PVE	11mp	1c	Exterior		1	1
Rockford High School	Axis	Q3709-PVE	11mp	2a	Exterior		1	1
Rockford High School	Axis	Q3709-PVE	11mp	2b	Exterior		1	1
Rockford High School	Axis	Q3709-PVE	11mp	2c	Exterior		1	1
Rockford High School	Axis	P3364-VE	1mp	3	Exterior		1	1
Rockford High School	Axis	Q3709-PVE	11mp	4a	Exterior		1	1
Rockford High School	Axis	Q3709-PVE	11mp	4b	Exterior		1	1
Rockford High School	Axis	Q3709-PVE	11mp	4c	Exterior		1	1
Rockford High School	Axis	P3364-VE	1mp	5	Exterior		1	1
Rockford High School	Arecont	AV8185DN-HB	8mp	6	Exterior		1	1
Rockford High School	Axis	P3818-PVE	13mp	7	Exterior		1	1
Rockford High School	Arecont	AV8185DN-HB	8mp	8	Exterior		1	1
Rockford High School	Axis	P3364-VE	1mp	9	Exterior		1	1
Rockford High School	Axis	Q6032-E	704x576	10	Exterior		1	1
Rockford High School	Axis	M3203-V	800x600	11	Interior	1		1
Rockford High School	Axis	M3203-V	800x600	12	Interior	1		1
Rockford High School	Axis	M3204-V	1mp	14	Interior	1		1
Rockford High School	Axis	M3204-V	1mp	16	Interior	1		1
Rockford High School	Axis	M3204-V	1mp	17	Interior	1		1
Rockford High School	Axis	M3007	5mp	18	Interior	1		1
Rockford High School	Axis	M3203-V	800x600	19	Interior	1		1
Rockford High School	Axis	P3346-V	3mp	20	Interior	1		1
Rockford High School	Axis	P3364-VE	1mp	21	Exterior		1	1
Rockford High School	Axis	M3204-V	1mp	25	Interior	1		1
Rockford High School	Axis	M3204-V	1mp	26	Interior	1		1
Rockford High School	Axis	M3204-V	1mp	30	Interior	1		1
Rockford High School	Axis	M3204-V	1mp	31	Interior	1		1
Rockford High School	Axis	P3367 VE	5mo	35	Exterior		1	1

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Rockford High School	Axis	A8105-E	2mp	101	Interior	1		1
Rockford High School	Axis	Q3819-PVE	14mp	102	Exterior		1	1
Rockford High School	Axis	M3058-PLVE	12mp	103	Exterior		1	1
Rockford High School	Axis	M3058-PLVE	12mp	104	Exterior		1	1
Rockford High School	Axis	M3058-PLVE	12mp	105	Exterior		1	1
Rockford High School	Axis	M3058-PLVE	12mp	106	Exterior		1	1
Rockford High School	Axis	P3719-PL	15mp	107	Exterior		1	1
Rockford High School	Axis	P4708-PLVE	8mp x2	108	Exterior		1	1
Rockford High School	Axis	P3268-LVE	8mp	109	Exterior		1	1
Rockford High School Total						73	31	104

Stadium	Axis	M3058-PLVE	12mp	1	Exterior		1	1
Stadium	Axis	M3058-PLVE	12mp	2	Exterior		1	1
Stadium	Axis	M3058-PLVE	12mp	3	Exterior		1	1
Stadium	Axis	M3058-PLVE	12mp	4	Exterior		1	1
Stadium	Axis	M3058-PLVE	12mp	5	Exterior		1	1
Stadium	Axis	M3058-PLVE	12mp	6	Exterior		1	1
Stadium	Axis	Q3819-PVE	14mp	7	Exterior		1	1
Stadium	Axis	Q3709-PVE	11mp	8a	Exterior		1	1
Stadium	Axis	Q3709-PVE	11mp	8b	Exterior		1	1
Stadium	Axis	Q3709-PVE	11mp	8c	Exterior		1	1
Stadium	Axis	Q3709-PVE	11mp	9a	Exterior		1	1
Stadium	Axis	Q3709-PVE	11mp	9b	Exterior		1	1
Stadium	Axis	Q3709-PVE	11mp	9c	Exterior		1	1
Stadium	Axis	Q3709-PVE	11mp	10a	Exterior		1	1
Stadium	Axis	Q3709-PVE	11mp	10b	Exterior		1	1
Stadium	Axis	Q3709-PVE	11mp	10c	Exterior		1	1
Stadium	Axis	Q3819-PVE	14mp	11	Exterior		1	1
Stadium	Axis	Q3709-PVE	11mp	12a	Exterior		1	1
Stadium	Axis	Q3709-PVE	11mp	12b	Exterior		1	1
Stadium	Axis	Q3709-PVE	11mp	12c	Exterior		1	1
Stadium Total						0	20	20

Roguewood Elementary	Axis	P3364-VE	1mp	1	Exterior		1	1
Roguewood Elementary	Axis	P3719-PL	15mp	2	Exterior		1	1
Roguewood Elementary	Axis	P3719-PL	15mp	3	Exterior		1	1
Roguewood Elementary	Axis	M3058-PLVE	12mp	4	Exterior		1	1
Roguewood Elementary	Axis	P3265-LV	2mp	5	Interior	1		1
Roguewood Elementary	Axis	P3265-LV	2mp	6	Interior	1		1
Roguewood Elementary	Axis	P3719-PL	15mp	7	Exterior		1	1
Roguewood Elementary	Axis	P3265-LV	2mp	8	Interior	1		1
Roguewood Elementary	Axis	P3265-LV	2mp	9	Interior	1		1
Roguewood Elementary	Axis	P3719-PL	15mp	10	Exterior		1	1
Roguewood Elementary	Axis	P3267-LV	5mp	11	Interior	1		1
Roguewood Elementary	Axis	Q3819-PVE	14mp	12	Exterior		1	1
Roguewood Elementary	Axis	P3719-PL	15mp	13	Exterior		1	1
Roguewood Elementary	Axis	P3719-PL	15mp	14	Exterior		1	1
Roguewood Elementary	Axis	P3268-LV	8.3mp	15	Interior	1		1
Roguewood Elementary	Axis	P3719-PL	15mp	16	Exterior		1	1
Roguewood Elementary	Axis	P3719-PL	15mp	17	Exterior		1	1
Roguewood Elementary	Axis	Q3819-PVE	14mp	18	Exterior		1	1
Roguewood Elementary	Axis	A8105-E	2mp	19	Interior	1		1
Roguewood Elementary	Axis	P3738-PL	32mp	20	Exterior		1	1
Roguewood Elementary Total						7	13	20

Transportation	Axis	P3738-PL	32mp	1	Exterior		1	1
Transportation	Axis	A8105-E	2mp	2	Exterior		1	1
Transportation	Axis	P3738-PL	32mp	3	Exterior		1	1
Transportation	Axis	P3268-LVE	8.3mp	4	Exterior		1	1
Transportation	Axis	P3738-PL	32mp	5	Exterior		1	1
Transportation	Axis	M4318-PLVE	12mp	6	Exterior		1	1
Transportation	Axis	A8105-E	2mp	7	Interior	1		1
Transportation	Axis	P3738-PL	32mp	8	Exterior		1	1
Transportation	Axis	P3738-PL	32mp	9	Exterior		1	1

Transportation Total						1	8	9
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Valley View Elementary	Axis	P3265-LVE	2mp	1	Exterior		1	1
Valley View Elementary	Axis	P3719-PLE	15mp	2	Exterior		1	1
Valley View Elementary	Axis	P3807-PVE	8.3mp	3	Exterior		1	1
Valley View Elementary	Axis	P3719-PLE	15mp	4	Exterior		1	1
Valley View Elementary	Axis	P3267-LV	5mp	5	Interior	1		1
Valley View Elementary	Axis	P3265-LV	2mp	6	Interior	1		1
Valley View Elementary	Axis	P3265-LV	2mp	7	Interior	1		1
Valley View Elementary	Axis	P3265-LV	2mp	8	Interior	1		1
Valley View Elementary	Axis	M3058-PLVE	12mp	9	Exterior		1	1
Valley View Elementary	Axis	M3058-PLVE	12mp	10	Exterior		1	1
Valley View Elementary	Axis	P3719-PLE	15mp	11	Exterior		1	1
Valley View Elementary	Axis	P3267-LV	5mp	12	Interior	1		1
Valley View Elementary	Axis	P3267-LV	5mp	13	Interior	1		1
Valley View Elementary	Axis	P3267-LV	5mp	14	Interior	1		1
Valley View Elementary	Axis	P3267-LV	5mp	15	Interior	1		1
Valley View Elementary	Axis	P3268-LVE	8mp	16	Exterior		1	1
Valley View Elementary	Axis	P3719-PLE	15mp	17	Exterior		1	1
Valley View Elementary	Axis	P3719-PLE	15mp	18	Exterior		1	1
Valley View Elementary	Axis	P3719-PLE	15mp	19	Exterior		1	1
Valley View Elementary	Axis	P3268-LVE	8mp	20	Exterior		1	1
Valley View Elementary	Axis	Q3819-PVE	14mp	21	Exterior		1	1
Valley View Elementary	Axis	A8105-E	2mp	22	Interior	1		1
Valley View Elementary Total						9	13	22

Edgerton Trails Elementary	Axis	P3738-PLE	32mp	1	Exterior		1	1
Edgerton Trails Elementary	Axis	P3268-LVE	8.3mp	2	Exterior		1	1
Edgerton Trails Elementary	Axis	P3268-LVE	8.3mp	3	Exterior		1	1
Edgerton Trails Elementary	Axis	P3268-LV	8.3mp	4	Interior	1		1
Edgerton Trails Elementary	Axis	P3268-LV	8.3mp	5	Interior	1		1
Edgerton Trails Elementary	Axis	M4318-PLVE	12mp	6	Interior	1		1
Edgerton Trails Elementary	Axis	M4318-PLVE	12mp	7	Interior	1		1
Edgerton Trails Elementary	Axis	P3268-LV	8.3mp	8	Interior	1		1
Edgerton Trails Elementary	Axis	M4318-PLVE	12mp	9	Interior	1		1
Edgerton Trails Elementary	Axis	P3268-LV	8.3mp	10	Interior	1		1
Edgerton Trails Elementary	Axis	P3268-LVE	8.3mp	11	Exterior		1	1
Edgerton Trails Elementary	Axis	P3268-LVE	8.3mp	12	Exterior		1	1
Edgerton Trails Elementary	Axis	P3738-PLE	32mp	13	Exterior		1	1
Edgerton Trails Elementary	Axis	P3738-PLE	32mp	14	Exterior		1	1
Edgerton Trails Elementary	Axis	M4318-PLVE	12mp	15	Interior	1		1
Edgerton Trails Elementary	Axis	P3268-LV	8.3mp	16	Interior	1		1
Edgerton Trails Elementary	Axis	P3738-PLE	32mp	17	Exterior		1	1
Edgerton Trails Elementary	Axis	P3738-PLE	32mp	18	Exterior		1	1
Edgerton Trails Elementary	Axis	P3268-LV	8.3mp	19	Interior	1		1
Edgerton Trails Elementary	Axis	P3738-PLE	32mp	20	Exterior		1	1
Edgerton Trails Elementary	Axis	M4318-PLVE	12mp	21	Interior	1		1
Edgerton Trails Elementary	Axis	P3268-LVE	8.3mp	22	Exterior		1	1
Edgerton Trails Elementary	Axis	M4318-PLVE	12mp	23	Interior	1		1
Edgerton Trails Elementary	Axis	P3268-LVE	8.3mp	24	Exterior		1	1
Edgerton Trails Elementary	Axis	P3268-LV	8.3mp	25	Interior	1		1
Edgerton Trails Elementary	Axis	P3738-PLE	32mp	26	Exterior		1	1
Edgerton Trails Elementary	Axis	P3738-PLE	32mp	27	Exterior		1	1
Edgerton Trails Elementary	Axis	I8116-E	5mp	28	Interior	1		1
Edgerton Trails Elementary	2n	Clip			Interior	1		1
Edgerton Trails Elementary Total						15	14	29
TOTAL COUNTS						249	217	466

Rockford Public Schools
APPENDIX B
Existing Access Control Door Count

Location	Door Count
Administration Total	35
Belmont Elementary Total	10
Boathouse Total	2
Cannonsburg Elementary Total	8
Crestwood Elementary Total	28
East Rockford Middle School Total	14
Lakes Elementary Total	10
Maintenance Building Total	5
Meadow Ridge Elementary Total	9
North Rockford Middle School Total	107
Parkside Elementary Total	8
Rockford Freshman Center Total	15
Rockford High School Total	123
Stadium Total	42
Roguewood Elementary Total	17
Transportation Total	32
Valley View Elementary Total	8
Edgerton Trails Elementary Total	124
TOTAL COUNTS	597