

West Bolivar Consolidated School District
District Wide

Request for Proposal (RFP)
IP Cameras/Door Access Control

Inquiries and requests regarding this RFP should be directed to:

Larry Walker, Deputy Superintendent
West Bolivar Consolidated School District
909 Hwy 8
Rosedale, MS 38769
662-759-3525

Sealed proposals and bids must be delivered no later than 4:00 PM on November 1, 2019.

West Bolivar Consolidated School District
ATTN: West Bolivar Consolidated School District-IP Cameras/Access Control Bid

Drop Off Address:
909 Hwy 8
Rosedale, MS 38769

Mailing Address:
PO Box 189
Rosedale, MS 38769

All bidders must attend a mandatory vendor's meeting Monday October 21, 2019, 9:00 AM at West Bolivar Consolidated School District Central Office, 909 Hwy 8, Cleveland, MS 38769. We are located at the intersection of Hwy 8 and Hwy 1, across the street from Piggly Wiggly. Site walkthroughs will start directly after the meeting. If by chance you need an extra day, you can resume site walkthroughs at 8:00 AM Tuesday October 22, 2019 and Wednesday October 23, 2019. If you do not attend the mandatory vendor's meeting, you cannot bid on the project.

Please note that all proposals must be received at the designated location by the established deadline. Late proposals will not be excepted and will be considered void. All accepted

proposals will be evaluated after the deadline window closes.

West Bolivar Consolidated School District RESERVES THE RIGHT TO REJECT ANY BIDS AND/OR PROPOSALS TO AWARD IN PART OR IN TOTAL, WHICHEVER IS THE BEST FIT OR IN BEST INTEREST OF THE SCHOOL DISTRICT.

SECTION 1-GENERAL INFORMATION

1.1 –Background

West Bolivar Consolidated School District is located in the Mississippi Delta of Bolivar County. We have the following entities: West Bolivar Elementary, West Bolivar Middle, West Bolivar High, Joe Barnes Vocational Center, Ray Brooks School, Shaw High School, McEvans School. Two of our schools, Shaw High and McEvans, are merged at one location. Our geographical stretch to all locations with the Central Office being the origin, averages between 35-40 miles roundtrip. Total enrollment for the district is approximately 1150 students and 150 employees.

West Bolivar Consolidated School District seeks bids for an Integrated IP Camera and Door Access Control System for all entities listed in the paragraph above. The proposed solution should provide a seamless security system for the purpose of controlling and monitoring activity at all entities. The district will not except anything other than an Access Control System (ACS) that is compatible specifically to the locations needed. (Building, Room Function, Door Type, Location). Any recommended system should provide the district with maximum flexibility for expansion now and in the future. All components should be eligible for upgrade and swappable without requiring the purchase of a new system. The system components should be open protocol. Cards or other keying devices should offer maximum flexibility, ease of use and access management for users without causing system fragmentation or failures; partial or otherwise, and agnostic to other system components such as card readers or fobs. The recommended system should provide Board Approved district personnel with a multi-platform access management software that provides system status, door status, simple access programming capabilities, remote programming, scheduling, locking, and unlocking.

1.2 – Intent of RFP

It is the intent of this Request for Proposal (RFP) to provide bidders with sufficient information to prepare a proposal. The response should include all equipment, cabling, and software to meet the RFP's requirements. Technical specifications and requirements are detailed in Section 3. Implementation of this project is contingent on the approval of the West Bolivar Consolidated School District Board of Education and if it is in restraint of the budget set aside for this project.

Our goal is to achieve 100% video coverage of designated public areas of West Bolivar Consolidated School District and to restrict and document all entries into the West Bolivar Consolidated School District.

1.3 – Evaluation Criteria

Selection will be based upon technical quality, project management, costs, and system features. The evaluation criteria will consider the following factors:

1. Bidder's total proposed price
2. Product quality/appropriateness/compatibility/performance
3. Bidder's qualifications/experience
4. Bidder's support/service
5. Bidder's warranty/maintenance
6. Proposed product meeting the district's present needs as well as future needs through enhancements and upgrades.
7. End user friendly usage and control functionality

West Bolivar Consolidated School District reserves the right to seek clarification on any or all bidders in order to assist in the evaluation process. To support West Bolivar Consolidated School District, the award evaluation criteria is based on, but not limited to, the following:

1. All specification terms and conditions as outlined in the RFP are compiled with and met.
2. Suitability of proposed solution with respect to the district's needs and objectives.
3. Bidder participation and responsibility clearly defined
4. The participation and responsibilities of West Bolivar Consolidated School District are clearly defined.
5. Hardware and peripheral product quality and content including, but not limited to, durability, performance, integration, warranty, maintenance, meets or exceeds industry standards and fulfillment of criteria specified in this RFP.
6. Installation procedures clearly defined if applicable
7. Bidder agrees to provide an on-site proof of concept at no cost if requested
8. Installation procedures clearly defined if applicable
9. All products must be installed in accordance to manufacturer's specification's including but not limited to network cabling.
10. Submission of satisfactory reference checks with proposal.
11. Acknowledgement in writing that any software will be licensed for West Bolivar Consolidated School District.

1.4 – Contract Negotiation

West Bolivar Consolidated School District reserves the right to negotiate with any company/supplier submitting a response to alter, clarify, or further enhance to company's proposals and/or any contract arising out of the acceptance of the response. In the evaluation of the proposal, the pricing submitted will be considered the best and final pricing.

SECTION 2 – SUBMITTAL REQUIREMENTS

2.1 – Company Experience and/or References

West Bolivar Consolidated School District reserves the right to fully investigate the qualifications of any bidder(s) based on references supplied and publicly available information.

Bidder(s) are required to supply evidence of experience on projects of similar nature and/or magnitude listing: customer name, address, contact names, and telephone/fax numbers. The bidder(s) may also supply third party ratings to demonstrate their success in the IT marketplace.

The winning bidder must provide:

1. Certificate of Insurance naming West Bolivar Consolidated School District as an additional insured.
2. All employees of the winning bid must have a valid employee I-9 on file with their employer.
3. Winning vendor will provide resumes and/or certifications for all engineering personnel assigned to the project.
4. A performance bond will be required from the winning bidder.

2.2 – Confidential Material

Any material that is to be considered as confidential in nature must be clearly marked as such and will be treated as confidential by West Bolivar Consolidated School District.

2.3 – Supplemental/Supporting Materials

Please include descriptive literature/brochures, if available, in the proposal. All manuals that correlate with the bidding products should be included with and submitted upon delivery of equipment.

SECTION 3 – TECHNICAL REQUIREMENTS

3.1 -- General Requirements

The proposed solution will:

1. Provide full camera coverage of all areas as designated in walkthrough. See Attachment A to record the count of IP cameras needed. Walkthroughs are required so that

proposals adequately provide cameras to match the school's needs. Specific camera/types ie. Degree of angle, should be decided by the bidder based on the location to be covered.

2. Provide keyless door access control of all areas as designated in walkthrough, including a door release button and video camera monitor in reception for each pedestrian door. See Attachment B to record the count of Door Access Controls needed.
3. Include the necessary manufacture-specified cabling to connect the IP cameras back to the appropriate IDF closet not to exceed industry standard length. The IP cameras will be integrated to the existing network. If cameras need to be repositioned after installation this will be done at cost. If additional cameras are needed to provide adequate coverage as described in the RFP they will be added at cost.
4. Include integration of the camera and door access systems so that video coverage of door events is readily available and catalogued.
5. Include 5-year parts/labor warranty.
6. All IP Cameras should be HD ready. Bidder shall propose the appropriate megapixel, 3-megapixel minimum, and include bandwidth calculation.
7. Cameras must have great night vision quality.
8. Video compression should be H.265, H.264, and MJPEG compatible.
9. Should be Triple Streaming compatible
10. Cameras should be compatible with the following protocols: L2TP, IPv4, IGMP, ICMP, ARP, TCP, UDP, DHCP, PPPoE, RTP, RTSP, RTCP, DNS, DDNS, NTP, FTP, UPnP, HTTP, HTTPS, SMTP, SIP, 802.1x
11. Camera interface should include a built-in mic and 1, Ethernet (10/100 Base-T), RJ-45 connector
12. Door access controls shall be connected to handicap systems where applicable.
13. All network switches shall be managed and easy accessible and programed by vendor to troubleshoot and dual power supplies. Any bidder providing the proposed switches must be able to program them with specifications provided by West Bolivar Consolidated School District.
14. Include appropriate Network video recorder and storage solution based on 2 week recording intervals.

3.2.1 Network Design

The submitted design should avoid any single points of failure. In order for the IP cameras to perform at an optimal level the necessary network enhancements must be made including providing redundancy and upgrading the IDF to IDF to MDF fiber runs to 10Gig.

1. All of our schools in Rosedale, MS, West Bolivar High, Middle, and Elementary Schools, along with Joe Barnes Vocational School are fiber connected which ties back to our Central Office hub.
2. Ray Brooks School and Shaw/McEvans School communicate via microwave signal.
3. Our current internet speed is 500Mbps and our vendor is AT&T.

4. We are in the process of Wi-Fi Upgrade but all of our switches are Brocade and soon to be joined with some Extreme switches.
5. Maps of each school will be given at Vendor's Meeting and Walkthrough.

3.2.2 Management

The solution must include remote management capability, including the ability to focus and zoom all cameras and to retrieve data from the system over a network connection.

- A. The Video Management System shall support both centralized and decentralized configurations as well as hybrid options for architecture. Centralized management shall be available no matter the surveillance architecture. The system shall allow for integration with other security devices and products and be designed to allow for leveraging of those products to improve the user experience of the VMS .
- B. The VMS shall not require a central management server.
- C. The VMS shall make the user experience seamless to the end user irrespective of the system architecture.
- D. The VMS must be capable of each server being able to handle an unlimited number of cameras for recording.
- E. The VMS must support Windows Server 2008, 2012, and Windows Server 2016 for the server side. Client- side software must be available for Windows 7, 8 and 10, Mac OSX, iOS 6 and above, and Android. The operating system shall have all current and available patches.
- F. The VMS shall include the following without additional license fees:
 - a. Client software for Windows.
 - b. Client software for Mac OSX.
 - c. Client software for iOS 6 and above.
 - d. Client software for Android-based platforms.
 - e. Client software using a web-based interface.
 - f. Standalone clients designed to provide fixed displays.
 - g. Video Wall functionality.
 - h. SmartSearch.
 - i. Access Control Integration.
 - j. Full Access Control software platform.
 - k. Failover server functionality.
 - l. A separate health monitor application.
- G. The VMS shall not require a separate application for administration and user-based roles. Limitations for non-administrative users shall be handled via permissions.
- H. The system shall support running in Virtual Servers for both the server application and client applications.

3.2.3 Number and Location of Cameras and Door Hardware

The purpose of this RFP is to provide West Bolivar School District with full camera coverage and secure door access. The vendor will perform a site survey to determine the ideal locations for cameras and to insure that all necessary door access hardware is provided for in the proposal. Attachment A and B are attached as a guide for bidders to count the number of IP Cameras and Door Access Controls needed.

3.2.4 Cabling

All cameras shall be POE and shall be wired to the most convenient MDF or IDF as outlined on Attachment A.

Cables shall not be tie wrapped or routed along electrical or gas conduit. Horizontal cables run in hallways above a suspended ceiling shall be in J hooks or cable tray. Once in work areas it may be secured to the wall directly above the suspended ceiling or to the concrete ceiling structure every three feet by cable hangers. Cable ties must be trimmed off cleanly at a locking hole. Cables shall be secured at every corner. Cables shall be run in a uniform fashion and shall not be woven among other utilities.

All internal building network infrastructures shall adhere to ANSI/EIA/TIA 568B (Commercial Building Telecommunications Cabling Standards), ANSI/EIA/TIA 569 (Commercial Building Standard for Telecommunications Pathways and Spaces), and National Electric Code standards.

Penetrations through floor and fire-rated walls shall utilize intermediate metallic conduit (IMC) or galvanized rigid conduit (GRC) sleeves and shall be fireproof after installation and testing, utilizing a fireproofing assembly approved for that application.

Labeling shall conform to ANSI/TIA/EIA-606 standards. In addition, provide the following:

1. Label each outlet with permanent self-adhesive label with minimum 3/16 in. high characters.
2. Label each cable with permanent self-adhesive label with minimum 1/8 in. high characters in the following locations:
 - a. Inside receptacle box at the work area.
 - b. Behind the communication closet patch panel or punch block.
3. Use labels on face of data patch panels. Provide facility assignment records in a protective cover at each telecommunications closet location that is specific to the facilities terminated therein.
4. The labeling for data drops should include the IDF letter, then the patch panel number and the two-digit number of the port on the patch panel.

Testing shall conform to TIA/EIA TSB-67 Transmission Performance Specifications for Field Testing of Unshielded Twisted Cabling Systems as well as ANSI/TIA/EIA-568-A-1 Propagation Delay and Delay Skew Specification for 100 ohm 4-pair cable. Testing shall be accomplished using level II field testers.

Test each pair and shield of each cable for opens, shorts, grounds, and pair reversal. Correct grounded and reversed pairs. Examine open and shorted pairs to determine if problem is caused by improper termination. If termination is proper, tag bad pairs at both ends and note on termination sheets.

Perform testing of copper cables with tester meeting TIA/EIA TSB-67 and ANSI/TIA/EIA- 568-A-1 requirements. If copper cables contain any bad pairs, remove and replace the entire cable.

3.3 – Financial

Please provide quotes detailing your solution for West Bolivar Consolidated School District. The quote should include all necessary hardware, cabling, and software needed to complete a full installation. The vendor is responsible for due diligence and a site survey before submitting a bid. If additional information is needed to figure this amount, please contact the Director of Technology and/or the Deputy Superintendent of Operations.

3.4 – Warranty

Warranty terms on the hardware and any associated software should be clearly defined and must include a parts and labor warranty to cover all components for a minimum of 5 years.

3.5 – Delivery and Installation

Any delivery and installation charges should be clearly defined as separate line items.

Bid Sheet

The below table indicated a general guide for the required technical requirements for this RFP. The bidder is expected to provide its professional assessment as to what would meet the needs of the district. A map is included of all locations requiring Door Access Controls and Cameras. Blank attachments have also been provided so that you can use for camera counts and door access controls.

Access Control and IP Camera System

Attachment A – Camera Location

Exterior/Interior Cameras

All IP Cameras should provide clear coverage of each designated zone. All cameras must be GSA approved. In addition to the GSA approval, the West Bolivar Consolidated School District is requiring signed manufacturing verification with any GSA documentation showing camera approval.

School Location	# of Cameras Interior	# of Cameras Exterior
West Bolivar High		
West Bolivar Middle		
West Bolivar Elementary		
Ray Brooks		
Shaw/McEvans		

Attachment B – Door access control locations

All exterior doors should be controlled with a keyless entry. Provide that keyless entry mechanism interface with handicap facilities where applicable.

School Location	# of Door Access Controls Needed	# of Handicap Accessible Devices Needed
West Bolivar High		
West Bolivar Middle		
West Bolivar Elementary		
Ray Brooks		
Shaw/McEvans		