

Request for Proposal – GISD Special Education Services North Equipment

Responses due March 15, 2023 at 2:00 P.M.

1 – Project Overview

Genesee Intermediate School District (GISD) is seeking bids for equipment and low voltage cabling for a renovation at 5075 Pilgrim Road, Flint, MI 48507. The low voltage cabling includes CAT6 and Audio/Video Cabling throughout the building.

A recommended pre-bid meeting will take place on Friday, March 3, 2023 at 10:00 A.M. via Zoom.

[Direct Zoom Meeting Link](#) or you can join manually at <https://zoom.us/join>

Meeting ID: 875 4246 1067

Passcode: 058297

The building is expected to open in August of 2023. All installation must be completed prior by July 31, 2023 unless otherwise specified by GISD. Any equipment must also be received at the customer location prior to July 31, 2023.

2 – Vendor Bid Obligations

Vendors shall provide completed attachment B1 Bid Form. Any product or service not specifically requested but necessary to complete the proposed requirements and installation, should be included in the submitted proposal. GISD reserves the right to disqualify bids or make no award for failure to comply with completion of the summary document, ability to meet the requirements or for any other reason, and to accept or decline any or all parts of the proposal. Please see Instructions to Bidders document for bid instructions.

3 – Requirements

The proposed solution will be for low voltage cabling and various equipment. Vendors can bid on any section of the RFP. Genesee ISD reserves the right to award multiple sections to different vendors. See provided attachment A2 for a floor print of the construction area.

The proposed solution must meet the following requirements:

- A. Network Closet
 - a. Room 104
 - b. Vendor to provide Full Height 2 Post Network Rack (at least 6 feet tall)
 - c. Vendor to provide patch panels and 2U horizontal and vertical cable management for the new 48U network rack.
 - d. Top of rack will be for fiber terminations back from MDF in main building
- B. Fiber Optic Cabling
 - a. From MDF in the main building to Room 104 network closet.
 - b. Approximate distance is 200 feet.
- C. Station Cabling

- a. Network cabling must be CAT6 or better.
 - b. See Attachment A2 for network drop locations.
 - i. Approximately total 170 network drops
 - c. Include pricing for an additional 10 drops to be used at locations to be determined.
- D. CAT6 Patch Cables
- a. Provide 2x blue bootless snagless patch cables for each network drop location.
The makeup of the patch cables should be as follows:
 - i. 50% 3' cables
 - ii. 30% 5' cables
 - iii. 10% 7' cables
 - iv. 10% 10' cables
 - b. Also provide these additional patch cables
 - i. 10x 25' blue bootless snagless patch cables.
 - ii. 10x 3' green bootless snagless patch cables for wireless
 - iii. 10x 5' green bootless snagless patch cables for wireless
 - iv. 10x 3' white bootless snagless patch cables for security
 - v. 10x 5' white bootless snagless patch cables for security
 - vi. See owner for patch panel, cable management, and network switch layout/design.
 - vii. Wireless AP's and Security Cameras drop locations must be clearly labeled. They must be terminated consecutively onto the patch panel.
- E. Network Cabling Documentation
- a. Upon completion, please provide as-builts for all completed cabling in PDF and Visio Diagrams
 - b. Provide any warranty information.
 - c. Provide all test results/certification.
- F. Network Switches
- a. 48 Port PoE Enterprise Network Switch
 - b. 48x 10/100/1000 copper ports
 - c. 4x SFP ports with speeds of at least 1Gb
 - d. Full Power PoE available on all ports
 - e. Stacking ability preferred
 - f. Layer 2 capabilities
 - g. Reference Model: Ruckus ICX8200-48PF or newer
 - h. Quantity: 3
- G. Wireless Access Points
- a. Wi-Fi 6
 - b. 3x3:3 or better
 - c. Include separate line item for ceiling mount
 - d. Include separate line item for installation
 - e. Include separate line item for 3 years of support/maintenance/licensing
 - f. Reference Model - Ruckus R650 or newer
 - g. Quantity: 6

H. Audio/Video Setup for Conference Center - Rooms 113 and 114

a. Equipment for rooms includes the following:

- i. 2x Laser Projectors (7,000 lumens or greater)
- ii. Motorized Screens for each projector (North and South Walls)
- iii. 2x Wall mounted touch panels (North and South Walls)
 1. A conduit will be provided for these locations
- iv. Controller for AV (rack this in IDF Network Closet Room 104)
 1. See Item H.b for programming needs.
- v. Commercial TVs (4) - 65"
 1. 2x TVs will use ceiling mounts and 2x TV's will use wall mounts.
 2. Vendor to provide ceiling and wall mounts
 3. Reference Model: Samsung BE65TH
- vi. Sound System for Room
 1. 1x handheld microphones and 1x lapel microphone for each room.
 2. In-ceiling speakers.
 3. Audio must be able to be split when rooms are split.
- vii. PTZ Camera for Zoom Meetings
 1. Reference Model: FC730 1080p 12x
 2. Quantity: 2
- viii. Podium and Inputs will be on North and South Walls.
 1. Need the following inputs
 - a. HDMI
 - b. 1x XLR (for additional mics)
 - c. 3.5mm audio
 - d. USB
 2. Additional Inputs
 - a. Apple TV for each room. These can be connected in the network closet.

b. Programming

- i. This room will have two different setup options.
 1. All displays combined into one large room
 - a. 2 projectors and 4 TVs all showing the same content
 - b. 2x handheld and 2x lapel microphones
 - c. All speakers
 - d. If plugged into North Podium, use North PTZ camera and vice versa.
 2. Split into two independent rooms with different content on each set of screens (projectors/TVs).
 - a. When split, each room should have the following equipment
 - i. 1x projector and 2x TV's
 - ii. 1x handheld and 1x lapel microphone
 - iii. Audio must be split when the room is split
 - iv. PTZ camera for Zoom

- ii. System must control power on Projectors and TV's as well as projector screens (up/down)
- iii. When rooms are combined, the touch panel that combines the rooms will become the main control panel.

I. Other TV's

- a. Collaboration Area TVs (4) - Rooms 117, 118, 119, and 122
 - i. 65" 4K TVs
 - ii. Network capable (wired or wireless)
 - iii. Wall Mount
 - iv. Reference Model: Samsung BE65TH TVs
 - v. AV Connection
 - 1. Room 117, 118, and 119 - HDMI to box below TV
 - a. Room 117 also has an HDMI from the director's desk.
 - 2. For Room 122 - HDMI will run to floor box
- b. Digital Signage TV (1)
 - i. 55" 4K TV
 - ii. Network capable (wired or wireless)
 - iii. Wall Mount
 - iv. Reference Model: Samsung BE55T-H TV
- c. Office Area TVs (2)
 - i. 65" 4K TV
 - ii. Network capable (wired or wireless)
 - iii. Wall Mount
 - iv. Reference Model: Samsung BE65T-H TV