



Request for Proposal for work with Lee County School System

Date of Posting: May 1, 2025

Request # 50125-01

Deadline for Submission: by 4PM (May 30, 2025)

Scope of Work:

1. ADS Server Upgrade

Include labor and materials to upgrade the existing ADS server. Existing database and graphics to be upgraded to the latest version of Metasys software and security. Metasys 1 year License subscription and SMP to be included. No floor plan graphics included.

2. Upgrade (4) NAE 4510 to SNE 11002

Include labor and materials to swap out old NAE with new SNE. Existing database will be used in the new SNE. Buildings include TOES, LCPS, 9th Grade Campus and High School.

3. Upgrade (5) NAE 5510 to SNE 22002

Include labor and materials to swap out old NAE with new SNE. Existing database will be used in the new SNE. Buildings include High School Main, LCMS East, LCMS West, LCES and KPS.

4. Upgrade (2) NCE 2560 to SNE 10502/cgm 09090

Include labor and materials to swap out old NAE with new SNE. Existing database will be used in the new SNE. Buildings include High School Cafeteria and High School Band/Drama.

Timeline for Completion of work: August 30, 2025



Location of projects:

- Lee County School System Plant Operations
299 Leslie Hwy.
- Lee County High School
One Trojan Way
- Lee County 9th Grade Campus
370 Leslie Hwy.
- Lee County Middle School West (LCMS)
190 Smithville Rd. N.
- Lee County Middle School East (LCMS)
185 Fire Tower Road
- Twin Oaks Elementary School (TOES)
240 Smithville Road N.
- Lee County Elementary School (LCES)
314 Lovers Lane
- Kinchafoonee Primary School (KPS)
295 Leslie Hwy.
- Lee County Primary School (LCPS)
282 Magnolia St.



SPECIFICATIONS

The purpose of this project is for a Metasys network engine upgrade. The equipment provided will be based on the following specifications.

1. Control Network
 - a. Network Engines shall provide supervisory control over the control network and shall selectively support the following communication protocols:
 - i. BACnet Standard Multidrop Serial Bus /Token Passing (MS/TP) Bus Protocol ASHRAE SSPC-135:
 - The Network Engines shall be BTL listed/certified.
 - The Network Engines shall be tested and certified as a BACnet Building Controller (B-BC) profile.
 - ii. The Johnson Controls N2 Field Bus
2. Control networks shall provide either "Peer-to-Peer", MS/TP, or Supervised Token Passing communications, and shall operate at a minimum communication speed of 9600 baud.

Network Engines

1. Provide Johnson Controls SNE1050.
2. Network Engine – Large
 - a. The Network Engine shall support up to 100 supervised devices across all supported integrations.
 - b. Communication Ports – The Network Engine(s) shall provide the following ports for connecting networkable devices:
 - i. Two (2) USB ports
 - ii. One (1) RS-485 port
 - iii. One (1) Ethernet port; Field expandable to two (2) by USB port adapter
 - c. Provide Johnson Controls SNE1100 or approved equal as indicated on plans.
3. Network Engine – Large, Dual Trunk
 - b. The Network Engine shall support up to 200 supervised devices across all supported integrations.
 - c. Communications Ports – The Network Engine(s) shall provide the following ports for connecting networkable devices:
 - i. Two (2) USB ports
 - ii. Two (2) RS-485 ports
 - iii. One (1) Ethernet port; Field expandable to two (2) by USB port adapter
 - d. Provide Johnson Controls SNE2200.
4. Network Engine – Large, Data Intense
 - a. The Network Engine shall be a hardened, Intel based computing platform running Windows Server 2022 or Windows Server 2019 version 1809 operating system with sufficient processor speed and memory to perform data intensive tasks associated with high point counts and/or high-level trending, switching.
 - b. The Network Engine shall include troubleshooting LEDs to indicate the following conditions:



- i. Power – On/Off
- ii. Ethernet Traffic – Ethernet Traffic/No Ethernet Traffic (per port)
- c. Communications Ports – The Network Engine shall provide the following ports for operation of operator I/O devices, such as industry-standard computers, modems, and portable operator's terminals.
 - i. Two (2) USB ports
 - ii. Two (2) Ethernet ports

Contact Information: Franklin Rash rashfr@lee.k12.ga.us or Jennifer Hood Hoodje@lee.k12.ga.us

Please Include the following information with your quote for the work described above:

- Insurance verification
- W-9 form completed
- E Verify form completed

Please submit your proposal for the scope of work and the above information to :

Franklin Rash rashfr@lee.k12.ga.us or Jennifer Hood Hoodje@lee.k12.ga.us by 4PM on(May 30, 2025)

Lee County School System has the right to reject any and all quotes and or bids for the described project based on selection criteria, budget and past performance by a vendor.

WARRANTY

All work (labor and materials) is to be warranted for one (1) year form date of acceptance of the project.

REFERENCES

Contractor must provide references and have completed projects of a similar scope and size, meeting all timeline requirements.