Lakewood Local School District

FCC Form 470 – Wireless Access Points and Network Drops

Request Narrative and Scope

1. Project

Lakewood Local School District ("District") seeks proposals to improve wireless coverage in instructional and office / work spaces. The District may retain and expand its existing access point system or replace some or all of its access points. The District's building maps show existing access points, proposed locations, and coverage concerns. Use the maps as the basis for proposed AP locations and quantities.

This Form 470 covers access points, controllers, necessary software and licenses, installation and initial configuration, and network drops. Ongoing managed service will be requested through a separate MIBS Form 470.

2. Form 470 service requests

Category Two – Internal Connections

- **Wireless Access Points and Necessary Software and Licenses:** Up to **200 access points total**, including replacements and additions. Installation and initial configuration: **Yes**.
- **Cabling:** Up to **200 network drops**, each up to **328 feet**, using **Category 6A cable or equivalent**. Include required materials, Category 6A-compatible patch panels and termination hardware as needed, installation, termination, and testing.
- **Wireless Controllers and Necessary Software and Licenses:** Up to **5**. Installation and initial configuration: **Yes**.

Quantities are estimates. The District may purchase fewer items based on the selected design and available budget.

3. Proposal options

Please price these options separately:

Option 1 – Retain and expand the existing access point system
Continue using the District's existing access points and propose additional compatible APs where needed to meet the District's coverage goals. Include renewal of any required licenses for up to 119 existing APs and any licenses required for additional APs. Show existing AP license renewals and licenses for new APs as separate line items, state the license terms, and identify any option that avoids recurring license costs.

Option 2 – Replace access points
Propose a replacement system, including any APs needed to meet the District's coverage goals. State how many APs would replace existing units and how many would be additional.

For each option, show required license and subscription costs by year for the full proposed term. Separate renewal licenses for existing APs from licenses for new APs, and identify any licenses or subscriptions required for wireless controllers or controller software. State the term and renewal conditions, and provide a five-year total for each recurring license or subscription. Identify any controller hardware or software required, its quantity and model, and its installation and configuration costs. If no separate controller is required, state that clearly.

For each option, provide itemized pricing by model, quantity, and unit cost. Separately price AP hardware, controller hardware or software, network drops, patch panels and termination hardware, and installation and configuration. Show one-time charges separately from recurring charges and provide a total price for each option. Show cabling materials and labor separately.

4. Reference model, equivalents, and licensing

Reference access point: Ubiquiti UniFi U7 Pro Max or equivalent. The District will consider equivalent products that meet the coverage, capacity, authentication, and other requirements in this request.

The District is interested in solutions that avoid recurring management license costs but will consider solutions that do have recurring management license costs as well. Bidders must disclose all required software licenses, subscriptions, support plans, recurring charges, and their terms. If a proposed solution does not require recurring licenses, state that clearly. Include required licenses in the proposal price and explain what capabilities they provide.

5. Coverage and capacity

The District prefers an access point in each classroom, with additional APs in offices and other instructional areas as needed. The final AP count and placement should follow the proposed coverage and capacity design.

The District has experienced 5 GHz coverage concerns in some buildings, including the Elementary and Middle Schools, where block interior walls may affect signal propagation. Explain how the design addresses coverage, 5 GHz performance, and block walls. Plan for up to **50 client devices per classroom**, and state the capacity assumptions used.

The District is not prescribing a particular Wi-Fi generation. Identify the wireless standards and capabilities supported by the proposed APs.

No site walkthroughs will be held. Bidders must use the District's building maps and this scope to prepare proposals.

6. Authentication and certificate compatibility

The proposed access points and management platform must support the District's existing wireless authentication configuration:

- Student BYOD authentication through the District's FreeRADIUS service.
- Staff BYOD authentication through the District's FreeRADIUS service.
- Staff device authentication using Active Directory credentials through the District's NPS service.
- Use of the District's GoDaddy-issued certificate(s) for RADIUS authentication, subject to the requirements of the proposed platform.

Bidders must confirm compatibility in writing and identify any certificate or configuration prerequisites. A live authentication test is not required as part of the bid response. The selected provider will coordinate configuration with the District during implementation.

7. Network drops and installation

For each proposed option, identify the number and locations of required network runs, up to 200 total. Each run may be up to 328 feet and must use Category 6A cable or equivalent. Include required materials, Category 6A-compatible patch panels and termination hardware as needed, installation, termination, and testing.

Show cabling materials and labor separately from AP hardware, software or licensing, and AP installation costs. Itemize patch panels and related hardware separately. Identify any existing cable runs the design expects to reuse and any assumptions affecting the proposed cabling.

8. Vendor qualifications, installation schedule, and E-Rate invoicing

Vendor qualifications

Bidders must include the following with their proposals:

- A brief description of their experience designing or installing wireless networks of similar size and scope.
- At least two references for comparable K–12 school wireless projects completed within the past five years.
- Confirmation that they are authorized to sell and support the proposed equipment and can provide applicable manufacturer warranties.
- The names and relevant qualifications of personnel proposed for design and installation.
- Confirmation that they can perform installation at District locations.
- Evidence of insurance and any bonding required by applicable District procurement requirements.
- Prior experience with the District may be considered. Bidders should identify any previous work performed for the District and provide relevant performance references.

Installation schedule

All access points must be delivered, installed, and initially configured no later than **August 31, 2027**. Bidders must confirm they can meet this deadline and include an expected delivery and installation schedule in their proposals.

Local service capability: The District may consider the bidder's ability to provide timely onsite service and support to District locations. Bidders must describe their response times and any travel or dispatch charges.

E-Rate service provider invoicing

The District anticipates using the Service Provider Invoicing (SPI) method, subject to selecting an invoicing method on the FCC Form 471. Bidders must state whether they can support SPI invoicing.

The selected provider must have a valid SPIN/498 ID, maintain an EPC account, and file the required FCC Form 473 (SPAC) for each funding year of participation. The provider must bill the District for its non-discount share and be able to submit FCC Form 474 (SPI) for eligible, approved charges.

Proposals must clearly identify E-Rate-eligible and ineligible costs and show the District's non-discount share.

The District may deem proposals that do not address these requirements nonresponsive.

Proposal Deadline

Proposals are due by **9:00 a.m. Eastern Time on December 23rd 2026**. Late proposals may be rejected.

9. Proposal evaluation

The District will evaluate responsive proposals using the requirements and criteria in this request. The price of eligible products and services will be the primary evaluation factor and will be weighted more heavily than any other single factor. The District may also consider coverage design, compliance with technical requirements, authentication compatibility, ability to meet the installation deadline, vendor qualifications, and onsite service capability. Ineligible costs will be identified and evaluated separately. The District may consider whether a bidder is an in-state or local vendor as a secondary evaluation factor.