

REQUEST FOR PROPOSAL No. LodiUSD-20210915

PURSUANT TO CALIFORNIA UNIFORM PUBLIC CONSTRUCTION COST ACCOUNTING ACT (CUPCAA) FOR PROJECTS \$200,000 OR LESS MAY BE LET TO CONTRACT BY INFORMAL PROCEDURES (PCC 22000, et seq.)

Wireless Infrastructure Upgrade



**Proposals must be received in Technology Services
by 1:00 PM (PST) p.m. on November 30, 2021**

Submit Response To:
Lodi Unified School District
Technology Services
Attn: Lisa Cranford
1305 E Vine St
Lodi, CA 95240

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REQUEST FOR PROPOSAL

Part 1 – Summary

1.1. Purpose

Lodi Unified School District, herein referred to as “Client” or “District” is requesting proposals from qualified Wireless Infrastructure sales and installation contractors, herein referred to as “Contractor” to provide Ruckus equipment and Wiring Infrastructure installation services for a District-wide wireless upgrade project.

1.2. Introduction

Pursuant to California Public Contract Code (PCC) §22000 et seq., Lodi Unified School District (“District”) hereby seeks lump sum bids in response to this Informal Invitation for Proposal No. LodiUSD-20210915. This RFP provides the requirements and requests a detailed response from all prospective vendors, including pricing and service descriptions, in a specified format.

1.3. Required Contractors Licenses

Each Bidder shall be a licensed contractor pursuant to the California Business and Professions Code §7028.15 and California Public Contract Code §3300, and shall be licensed in the following classification as required by the scope of work: **C7 or C10**

Any Bidder not meeting the license requirement(s) following the proposal opening will be rejected as non-responsive.

1.4. RFP Schedule

The District has set the following RFP Schedule that all Contractors must adhere to. The District reserves the right to modify this Schedule as needed and will issue an addendum if it modifies the Schedule.

Event / Occurrence	Deadline	Time
District Issues RFP	Friday, September 24, 2021	
Site Visit (see section 2.4 for schedule)	Thursday, October 14, 2021	9:00 AM PST
Deadline for Contractor to submit questions regarding this RFQ/RFP. Questions received after this date will not be responded to.	Thursday, October 21, 2021	4:30 PM PST
Deadline for Contractors to submit Proposal	Tuesday, November 30, 2021	1:00 PM PST
District to interview Contractor(s) – (Optional)	Week of December 6, 2021	
District to Award Proposal	Friday, December 17, 2021	

1.5. Submission**

If your firm is interested in performing services for the project, on behalf of the District, please submit to the District a proposal in accordance with this RFP. Proposals must be received no later than the date and time indicated in the RFP Schedule, Section 1.4. Proposals will be date stamped to record receipt thereof. The proposals may be mailed or delivered in person during normal business hours, which are 8:00 a.m. to 4:30 p.m., Monday through Friday. Delivery of proposals is the sole responsibility of the Contractor, and Lodi Unified School District is not

responsible for any carrier delays. All proposals must be signed and become the property of the District. The address for submission of the proposals is:

Attn: Lisa Cranford - Lodi Unified School District
Technology Services
1305 E. Vine Street
Lodi, CA 95240

Oral, telegraphic, facsimile, or telephone, or proposals will not be accepted. Proposals received after this date and time will not be accepted and will be returned unopened. The District also reserves the right to reject any and all Proposals.

1.6. Response Format

Each Contractor is required to submit a response they deem appropriate to the following requests. Submittals should be brief and concise but provide sufficient clarity to meet the criteria to be used in the evaluation process. Contractor's response shall not exceed twenty (20) pages, excluding Exhibits. Each hardcopy of the Proposal must be bound individually, single-sided, tabbed, and organized in order and include all sections and information as stated in Part 3, Submittals. Each Contractor shall submit four (4) bound hard copies and one (1) electronic copy, in PDF format with bookmarks, of their responses. The District will evaluate the responses based on the responsiveness to District scope of services and specifications.

NOTE for Exhibits: All Exhibits should be tabbed, labeled and included as part of the appendix. It is at the Contractor discretion to determine how to reference, in the body of the Proposal, the location of the Exhibits in the appendix. All Exhibits may be recreated in another program as long as the formatting and information requested mirrors the PDF forms attached to this RFP. The intent of the PDF forms is to keep all the requested information in a uniform format.

NOTE for Contractor Teaming with Sub-Contractors: Each responding firm shall select their proposed sub-contractors based on their own criteria. However, the District reserves the right to approve or deny sub-contractors proposed for any projects that may be awarded.

1.7. Questions

The selected contractors must carefully read the entire RFP prior to submitting questions as most questions will be answered in this RFP. If, however, you should have questions regarding this RFP, please email Lisa Cranford lcranford@lodiUSD.net. All questions must be submitted in writing. Please reference "RFP - Wireless Infrastructure Upgrade - No. LodiUSD-20210915 - Questions" in the email subject line. Replies will be posted on district website for all vendors to review at <http://www.lodiUSD.net/rfps>. The question deadline is indicated in the RFP Schedule, Section 1.4. After this deadline, the District will not answer, address, and/or review any questions interested Contractors might submit. Responses to all questions received prior to the deadline will be provided to all Contractors.

1.8. Form of Agreement

Contractors must execute and turn in with proposal the Contractor's Standard Agreement (CSA) for Public Works Projects located under the "Public Works – CUPCCAA" section on the following webpage link below:

<https://www.lodiUSD.net/district/departments/business-services/purchasing-and-central-services>

If Contractor has previously completed a CSA and has a 2021-22 CSA on file, Contractor does not need to complete another one.

1.9. BONDS REQUIREMENT:

Payment and Performance Bonds equal to one hundred percent (100%) of Bid.

1.10. PREVAILING WAGES:

The project is a public works project subject to California Labor Code §1770 et seq., The Director of Industrial Relations has determined the general prevailing rate of per diem wages and the general prevailing rate for holiday and overtime work in the locality in which the work is to be performed, for each craft, classification, or type of worker needed to execute this contract. Per Diem wages shall be deemed to include employer payments for health and welfare, pension, vacation, apprenticeship or other training programs, and similar purposes. Copies of the rates are on file at the District’s principal office. The rate of prevailing wage for any craft, classification or type of workmanship to be employed on this Project is the rate established by the applicable collective bargaining agreement which rate so provided is hereby adopted by reference and shall be effective for the life of this Agreement or until the Director of the Department of Industrial Relations determines that another rate be adopted. It shall be mandatory upon the selected contractor and on any subcontractor to pay not less than the said specified rates to all workers employed in the execution of this contract. Contractor shall post on site all required job site notices as prescribed by law or regulation.

1.11. APRENTICES:

The Contractor agrees to comply with Chapter 1, Part 7, Division 2, sections 1777.5 and 1777.6 of the California Labor Code, which are hereby incorporated and made a part hereof. These sections require that contractors and subcontractors employ apprentices in apprentice able occupations in a ratio of not less than one hour of apprentice’s work for each five hours of work performed by a journeyman (unless an exemption is granted in accordance with section 1777.5) and that contractors and subcontractors shall not discriminate among otherwise qualified employees as indentured apprentices on any public works solely on the ground of sex, race, religious creed, national origin, ancestry or color. Only apprentices as defined in Labor Code section 3077, who are in training under apprenticeship standards and who have signed written apprentice agreements, will be employed on public works in apprentice able occupations. The responsibility for compliance with these provisions is fixed with the Contractor for all apprentice able occupations.

Part 2 – Project Description

2.1. Project Description

Lodi USD seeks proposals for the upgrade of its Ruckus wireless access points (APs) which may include the purchase of Ruckus APs, relevant licenses, cloud analytics, equipment, and any necessary materials to install them at all Lodi USD facilities in the appropriate locations, which are to be specified at required onsite walks. Controllers and likewise devices are to be included.

2.2. Project Schedules

Target completion date is **December 31, 2022**, with the understanding that all classroom work will be done when class is not in session, other areas of campus can be done during normal schoolhours, as long as it’s approved in advance with Technology and the site administrator.

2.3. Project Location

See Appendix A

2.4. Project Site Visit

A site visit is mandatory during the RFP process. **A site visit is scheduled for Wednesday, October 13, 2021. The site visit will begin at Lodi Unified School District Office (DO), 1305 E Vine Street, Lodi, CA 95240. We will meet at the flagpole at 9:00 AM.** At that time, maps of the site will be distributed to all attendees. We will begin the walk of the DO promptly at 9:05 AM. Once completed,

we will move on to the other sites. It shall be the responsibility of the vendor to thoroughly read and understand the information, instructions, and scope of services contained in this RFP. Interested participants are expected to fully inform themselves as to the conditions and requirements of the services to be provided. Failure to do so is at the Contractor's own risk. No plea of error or ignorance by the participant of conditions that exist or that may hereafter exist as a result of failure or omission on the part of the service provider to make the necessary examinations and investigations will be accepted as a basis for varying the requirements of the District. The District will assume that submission of a response means that the Contractor has familiarized itself with the conditions and requirements and intends to comply with them unless specifically noted otherwise. RFP's will be rejected and returned from contractors who do not attend the mandatory site visit.

Part 3 - Scope of Services

3.1. Scope of Services Summary

- A. The Contractor shall provide all materials, hardware, fabrication, installation, and testing in conformity with manufacturer's documentation, specifications contained herein, and applicable codes and authorities having jurisdiction for the implementation of a complete Network Wireless Infrastructure system within the scope of the project. Follow all Lodi USD Telecommunications Specifications.
- B. Provide an Updated As-Built in Visio Format.
- C. 2-year Warranty on all parts and labor.
- D. The Contractor shall have at least five (5) years of experience in designing, selling, installing and maintaining the proposed network wireless infrastructure.
- E. The Contractor shall possess all applicable contractor licenses.
- F. The Contractor shall provide written documentation and specific instructions for system as installed.
- G. The Contractor shall be responsible for fully implementing the functions described in this document and shown on the design drawings, per the Lodi USD Technology Services Telecommunications Specifications and Standards.

3.2. References

- A. Published specifications, standards, tests, codes, or recommended standards of trade, industry, or governmental organizations apply to the services to be provided per this RFP in these Sections, including, but not limited to:
 - 1. ADA - Americans with Disabilities Act
 - 2. ASCII - American Standard Code for Information Interchange
 - 3. ASTM - American Society for Testing and Materials
 - 4. EIA - Electronic Industry Association
 - 5. NEMA - National Electrical Manufacturers' Association
 - 6. NFPA - National Fire Protection Association
 - 7. CEO - California Electrical Code
 - 8. UL - Underwriters Laboratories, Inc.
 - 9. ASIS - American Society for Industrial Security
 - 10. Lodi USD Telecommunications Specifications and Standards
- B. Electronic devices radiating "RE" energy shall comply with Federal Communication Commission regulations, particularly Part 15, and shall meet minimum Class "B" requirements. Contractor shall provide FCC certificate numbers indicating that the FCC has approved the products.

3.3. Quality Assurance

- A. A nationally recognized test laboratory shall list all equipment supplied where applicable.
- B. All equipment and accessories to be the product of a manufacturer regularly engaged in the manufacture of networking infrastructure components.
- C. All items of a given type shall be the products of the same manufacturer.
- D. All items shall be of the latest technology; no discontinued models or products are acceptable.
- E. No Beta products will be accepted.
- F. The manufacturer, or their authorized representative, shall confirm that within 100 miles of the project site there is an established agency which:
 - 1. Will supply parts and service without delay and at reasonable cost.
 - 2. Offers service during normal working hours as well as emergency service on all equipment to be furnished.
 - 3. Contractor shall be capable of performing service or maintenance work on these specified or accepted systems.

3.4. Submittals

- A. Submit in accordance with Lodi USD Submittals Procedures
- B. Submit the following to Lodi USD:
 - 1. Manufacturers name, brand name, catalog references for all equipment supplied, indicating UL Listings, for all system components.
 - 2. Complete written sequence of operations for all functions of the system.
 - 3. Complete wiring diagrams for all components and floor plans indicating device locations, etc. Provide dimensioned elevation, mounting, and wiring details for all consoles, racks, control panels, and fabricated equipment being supplied under this section.
 - 4. Provide complete point-to-point and termination drawings. Partial or "Typical" drawings will not be accepted. All drawings shall be done in Visio.
 - 5. Bill of Materials.
 - 6. Service information, including address of nearest representative. Provide written approval from each manufacturer affirming that Contractor is certified and approved for systems installation and service for all referenced systems in this Section.

3.5. Product Delivery, Storage and Handling

- A. All equipment provided shall be new, not used, and shall be shipped in original packages to prevent damage or entry of foreign matter. All handling shall be in accordance with manufacturers recommendations. Protective covering shall be provided by Contractor during construction.
- B. Products delivered to the job site in racks and consoles shall be protected from dust, dirt and foreign matter. All racks and consoles shall be protected from dents, bumps, and scratching.

3.6. Warranty

- A. The Contractor and manufacturer(s) shall warranty all equipment, materials, and installation labor for two (2) years from the filing of the notice of completion (NOC).
- B. During the warranty period, upon notification of a problem by the District, the Contractor shall ensure that a competent and qualified field service technician arrives on site to correct the problem, within 48 hours. If a problem can be corrected remotely to the Lodi USD's reasonable satisfaction, the onsite arrival time commitment shall be waived.
- C. At least sixty (60) calendar days prior to expiration of warranty, Contractor shall provide the District with post-warranty maintenance contract proposals. The terms and condition of any such post-warranty program shall be consistent with those offered to the provider's most favored customer(s).

Part 4 - Execution

4.1. Requirements

- A. Systems shall be complete and operational in all respects.
- B. The Contractor shall furnish and install all equipment for all necessary building ACS as referenced herein.
- C. All wall, floor, and ceiling penetrations, regardless of fire rating, must be properly sleeved with conduit and properly sealed using approved fire stopping materials and sealants, according to Lodi USD standards.
- D. All security equipment, junction boxes, terminal cans, etc. installed in public accessible areas shall be installed utilizing tamper proof mounting hardware. Contractor shall provide a minimum of 2 driver bits or hand tools for each type and size of security fastener provided.
- E. The Contractor shall provide seismic restraint for all equipment, including equipment racks, consoles, etc.

4.2. As-Built Drawings

- A. The Contractor shall maintain a complete set of prints of design drawings on-site as the work on the ACS is being completed. As work is installed, Contractor shall carefully draw on prints, in colored pencil, correct location of work including all critical dimensions.
- B. Upon completion of the project, Contractor shall transfer hand-drawn information to Visio drawings in native Microsoft Visio format (no imported non-Visio drawings), updated Visio on USB flash drives, and submit to the Lodi USD for review. No hand-drawn As-Built Drawings shall be accepted.
- C. The Contractor shall provide four (4) sets of As-Built Drawings, plus one (1) set of Visio on USB flash drives, to the Lodi USD. One (1) additional complete set shall remain on the job site in folders secured on the wall adjacent to the control panels.

4.3. Test and Reports

- A. Upon completion of the installation of the Wireless Infrastructure, the Contractor shall submit written reports including, but not limited to, the following information:
 - 1. Test reports of all devices, and equipment in accordance with industry standard and Lodi USD Telecommunication Specifications and Standards.
 - 2. Test technician's name, company and date of test.

4.4. Lodi USD Technology Services Requirements

- A. The Contractor shall coordinate with the Lodi USD's Technology Services department for all network and telecom connections.

APPENDIX A
to
REQUEST FOR PROPOSALS
for
LODI UNIFIED SCHOOL DISTRICT
Wireless Infrastructure Upgrade
(Wireless Infrastructure Upgrade - No. LodiUSD-20210915)

SCOPE AND SPECIFICATIONS

1. SERVICES

The Lodi Unified School District (“Lodi USD” or “District”) is seeking proposals from qualified Vendors interested in submitting a bid to upgrade the existing Ruckus Wireless Network to the Certified WiFi 6 equipment in all classrooms (capable of supporting a minimum of 35 – 40 students per classroom), while also providing coverage in other structures/rooms and outdoor areas of the campuses that includes:

- a.) 2051 Ruckus R750 indoor access points, utilizing existing jack locations,
- b.) 8 Ruckus R750 indoor access points and run new wire and jack locations
- c.) 24 Ruckus T710 outdoor access points, utilizing existing Cat5e wiring,
- d.) 7 Ruckus T710S outdoor access points, utilizing existing Cat5e wiring,
- e.) 186 Ruckus T710 outdoor access points and run new Cat6a wire according to Lodi Unified School Districts Telecommunications Specifications. Conduit, NEMA rated boxes, and short masts w/ weather-heads may be required.
- f.) 47 Ruckus T710S outdoor access points and run new Cat6a wire according to Lodi Unified School Districts Telecommunications Specifications. Conduit, NEMA rated boxes, and short masts w/ weather-heads may be required.
- g.) Two IDF cabinets, furnished with power, fiber patch panel, and single-mode fiber backbone to MDF at both Bear Creek High & Ronald McNair High School. Both will be complete with one new Cat6a wire and a Ruckus T710S access point.
- h.) Three or more Ruckus wireless controllers with an “N+1” solution.

All existing indoor AP jack locations will be utilizing white Cat5E two-foot patch cords and be ceiling mounted where feasible (wall mounted when only option). All new jacks/cable runs will be Cat6a and shall accommodate ceiling mounted access points.

The Vendor must provide Lodi Unified School District with a solution that provides:

- All Ruckus Wireless APs, Controllers, necessary cabling, pathway, terminations, relevant licenses, analytic applications, etc.
- Protective enclosures for APs mounted in Gyms, Multi-Purpose rooms, and other vulnerable environments. Enclosures must be RF transparent and watertight.
- Thirty-five to forty students in a classroom with sufficient internet speed for the next 5 years.
- Solution must observe Lodi USD’s Telecommunications Specifications.

2. WALK THROUGH

RFP No. Lodi USD 20210915 – There will be one scheduled walk-through for this project. It is mandatory. Walkthrough will be **Wednesday, October 13, 2021, at 9:00 AM (PST)**. Please notify Lisa Cranford at lcranford@lodiUSD.net if you would like to attend. Please reference “RFP – Wireless Infrastructure Upgrade – No Lodi USD 20210915 – Walkthrough” in the email subject line. Site Visios will be provided during the week.

3. SCOPE AND SPECIFICATIONS

All vendors must respond to each and every feature and identify whether they comply or do not comply and identify any and all exceptions. Format of the proposals must follow the format provided below. Incomplete submissions may be subject to disqualification.

4. CONTRACT REQUIREMENTS

The District intends to use the Service Provider’s supplied Service Agreement to formalize any contractual relationship that results from this Request for Proposal. However, the Service Provider’s supplied Service Agreement must include all the provisions mentioned in this RFP for the Service Provider’s proposal to be considered responsive.

5. SERVICES & SYSTEM REQUIREMENTS

Location, Access Point Count, & Wiring Needs:

	Site	Address	Indoor Existing Wire R750	Indoor New Wire R750	Outdoor Existing Wire T710	Outdoor Existing Wire T710s	Outdoor New Wire T710	Outdoor New Wire T710s
1.	Adams (Ansel) Elem.	9275 Glacier Point Dr. Stockton, 95212	52				3	1
2.	Bear Creek High	10555 Thornton Rd. Stockton, 95209	116	9	4		3	2 *
3.	Beckman Elem.	2201 Scarborough Dr. Lodi, 95240	39				2	1
4.	Borchardt (Lois E.) Elem.	375 Culbertson Dr. Lodi, 95240	41				3	1
5.	Clairmont Elem.	8282 Le Mans Ave. Stockton, 95210	41				3	1
6.	Creekside Elem.	2515 Estate Dr. Stockton, 95209	58				4	1
7.	Davis Elem.	5224 E. Morada Ln. Stockton, 95212	32				4	1
8.	Delta Sierra Middle	2255 Wagner Heights Rd. Stockton, 95209	45		2		3	1
9.	Elkhorn Elem.	10505 N. Davis Rd. Stockton, 95209	19				4	1
10.	Henderson *	13451 N. Extension Rd. Lodi, 95242	29				2	1
11.	Heritage Elem.	509 E. Eden St. Lodi, 95240	35				3	1
12.	Houston (1 - 8) *	4600 Acampo Rd. Acampo, 95220	35				3	1

13.	JAESC	1305 E. Vine St. Lodi, 95240	18					
14.	Lakewood Elem.	1100 N. Ham Ln. Lodi, 95242	28	1			5	1
15.	Larson (Ellerth E.) Elem.	2375 Giannoni Way. Lodi, 95242	41				3	1
16.	Lawrence Elem.	721 Calaveras St. Lodi, 95240	32				4	1
17.	Liberty High	660 W. Walnut St. Lodi, 95240	10				1	
18.	Lincoln Tech	542 E. Pine St. Lodi, 95240	26				2	
19.	Live Oak Elem.	5099 E. Bear Creek Rd. Lodi, 95240	24				4	1
20.	Lockeford Elem.	19456 N. Tully Rd. Lockeford, 95237	30				3	1
21.	Lodi High School	3 S. Pacific Ave. Lodi, 95242	128		4	2	6	
22.	Lodi Middle	945 S. Ham Ln. Lodi, 95242	58		2	1	4	1
23.	Mahin (Dorothy J.)	5080 Armstrong Rd. Lodi, 95240	5				2	1
24.	Maintenance & Operations	31 N. Pacific Ave. Lodi, 95242	7				2	
25.	McAuliffe (Christa) Middle	3880 Iron Canyon Cir. Stockton, 95209	45		1	1	2	2
26.	McNair (Ronald E.) High	9550 Ronald E. McNair Way. Stockton, 95210	134		5	1	6	2*
27.	Middle College High	5151 Pacific Ave. Stockton, 95207						
28.	Millswood Middle	233 N. Mills Ave. Lodi, 95242	45		1	1	3	
29.	Morada Middle	5001 E. Eastview Dr. Stockton, 95212	49		3		3	3
30.	Morgan (Julia) Elem.	3777 A. G. Spanos Blvd. Stockton, 95209	38				4	1
31.	Mosher (George Lincoln) Elem.	3220 Buddy Holly Dr. Stockton, 95212	45				4	1
32.	Muir (John) Elem.	2303 Whistler Wy. Stockton, 95209	41				4	2
33.	Needham (Clyde W.) Elem.	420 S. Pleasant Ave. Lodi, 95240	23				3	1
34.	Needham West	421 S. Pleasant Ave. Lodi, 95240	11				2	
35.	Nichols (Leroy) Elem.	1301 S. Crescent Ave. Lodi, 95240	27				5	3
36.	Nutrition Svs	840 S. Cluff Ave. Lodi, 95240	6					
37.	Oakwood Elem.	1315 Woodcreek Wy. Stockton, 95209	42				6	1

38.	Old Serna	19 S. Central Ave. Lodi, 95240	12					
39.	Parklane Elem.	8405 Tam O'Shanter Dr. Stockton, 95210	50				6	1
40.	Plaza Robles High	9434 Thornton Rd. Stockton, 95209	21				5	
41.	Podesta Ranch Elem.	9950 Windmill Park Dr. Stockton, 95209	39				3	1
42.	Reese (Erma B.) Elem.	1800 W. Elm St. Lodi, 95242	37				3	1
43.	School Readiness & Preschool	701 Calaveras St. Lodi, 95240	2				2	
44.	Serna Jr. (Joe) Charter *see Houston	4620 Acampo Rd. Acampo, 95220						
45.	Silva (Manlio) Elem.	6250 Scott Creek Dr. Stockton, 95219	42				4	1
46.	Sutherland Elem.	550 Spring River Cir. Stockton, 95210	35				6	1
47.	Turner Academy at Tokay Colony	13520 E. Live Oak Rd. Lodi, 95240	8				2	1
48.	Tokay High	1111 Century Blvd. Lodi, 95240	130		2	1	10	1 1*
49.	Transportation Dept.	820 S. Cluff Ave. Lodi, 95240	3	8				
50.	Victor Elem.	17670 N. Bruella Rd. Lodi, 95253	15				3	1
51.	Vinewood Elem.	1600 W. Tokay St. Lodi, 95242	33				4	1
52.	Valley Robotics Academy *see Henderson	13451 N. Extension Rd. Lodi, 95242						
53.	Wagner-Holt Elem.	8778 Brattle Place Stockton, 95209	44				5	1
54.	Warehouse	851 S. Guild Ave. Lodi, 95240	2					
55.	Washington (George) Elem.	831 W. Lockeford St. Lodi, 95240	43				6	1
56.	Westwood Elem.	9444 Caywood Dr. Stockton, 95210	47				6	1
57.	Woodbridge Elem.	1290 Lilac St. Lodi, 95242	33				6	1
Totals			2051	10	24	7	186	47

*Will require the installation of a 6 strand OS1 fiber cable, 2'x2' rack mount cabinet, power outlet, and appropriate patch panels for each outdoor WAP (See Lodi USD Telecommunications Specifications).

Basic Features

Required Features:

- Mounting locations will be chosen for optimal performance, serviceability, and be out of reach from students to avoid vandalism (in some cases, concealed or inconspicuous locations may be requested – to be addressed during mandatory site walks).
- Rigid Conduit will be required for various outdoor Access Point locations.
- A mast/pole consisting of rigid conduit and a weather-head may be required for outdoor locations.

6. IMPLEMENTATION

1) Project Management

Required Features:

- a. Vendor shall assign a Project Manager to this installation to work with assigned District project manager to ensure project schedule stays on track and on-time
- b. Vendor is required to supply a complete description of the key activities and responsibilities required for the installation of the proposed system
- c. A master project schedule must be included, along with a work responsibility matrix, identifying the tasks the Vendor will perform and the tasks the District is expected to perform to successfully implement the new system
- d. Provide a plan ensuring internal and external communications are maintained through the transition process

2) Installation Requirements

Required Features:

- a. Vendor will be required to work with District to coordinate the installation.

3) Facility Requirements

Required Features:

- a. Space - provide the physical dimensions of any proposed equipment and/or the rack space required to house all the equipment
- b. Power - all electrical power requirements, including any special conditioning or grounding requirements

4) System Documentation Requirements

Required Features:

- a. Provide any administrative and training manuals, online, CD's, etc.
- b. Provide any configuration documentation on overall system.

7. SCHEDULE FOR IMPLEMENTATION TIMELINE

Lodi Unified School District requires the Vendor to submit a proposed Schedule for Implementation Timeline with any proposal response(s). The timeline should include:

- a. The resources to be dedicated to the project,
- b. All costs associated with the project,
- c. Detailed timeline of actions with a completion target date for the Vendor and for the Lodi USD Technology Services project team,
- d. Outline the expectations the Vendor team would have of Lodi USD and the information or task
- e. Lodi USD is to provide Vendor and the date any information or task would be required,
- f. Training should be provided to the District technology staff as scheduled by the District,
- g. Planning, design, conversion, and development should begin on as directed by the District, and Implementation will be at the location(s) set forth above.

8. DOCUMENTATION

Vendor shall submit to the Lodi USD Information Technology Services Department the following documents within thirty (30) days of installation. These documents need to be in electronic format as well as bounded/binder paper copy:

- a. Vendor/Contractor will provide a BOM (Bill of Materials) in their proposal.
- b. Vendor/Contractor will provide closeout documentation according to Lodi USD's "Telecommunications Specifications": Drawings in native MS Visio format; test results in pdf format (no exceptions will be made). A punch list will be made after drawings and test results have been submitted.
- c. Other related documentation to the project.