REQUEST FOR PROPOSAL

By

Switzerland of Ohio Local School District

For

Strategic Wireless Infrastructure Management and Deployment

RFP Issue Date: June 27, 2022 RFP Video Call – Q & A: July 27, 2022 RFP Response Due Date: August 8, 2022 Projected RFP Award Date: August 19, 2022

REQUEST FOR PROPOSAL

INQUIRIES: All inquiries or questions must be directed to:

Tess Hill, Project Manager Switzerland of Ohio Local School District 304 Mill St. Woodsfield, OH 43793 Phone: (740) 472-5801 tess.hill@omeresa.net

I. <u>Project Overview</u>

Switzerland of Ohio Local School District (the "District") is issuing this Request for Proposals ("RFP") for strategic wireless management and deployment services, including managing and leasing existing broadband assets and creating new, lasting infrastructure to improve broadband access for education, job creation, healthcare, and more in Monroe County (collectively the "Project").

Given the topography and existing infrastructure within the County, the District anticipates that a fixed wireless deployment will be the most cost and time-effective solution to meeting local connectivity needs. If a suitable arrangement is identified through this RFP, the District is seeking third party to strategically lease existing vertical assets in Monroe County including, but not lmited to, wireless towers, and District-owned buildings for fixed and/ or mobile wireless expansion in Monroe County (collectively the "Broadband Infrastructure").

The Awardee under this RFP shall be responsible for the purchase and installation of broadband wireless equipment and associated materials, and the ongoing operation (including billing) and maintenance of all Broadband Infrastructure under the Project along with the backhaul. Further, the Awardee should provide clear information to end users regarding monthly service rates and actual speeds supplied to users on the network.

It is the District's expectation that the purchase and installation of equipment, and connection to existing fiber under this Project shall be constructed as quickly as possible and in any event be completed no later than May 2023. The Awardee shall provide the District with a proposed Project schedule and communicate with the District representatives throughout the Project regarding any changes to the schedule. All sites shall be available for wireless service expansion upon individual site completion.

The District anticipates awarding a single private third party for the Project that demonstrates its experience and capabilities in providing service to residents, businesses, education, and health (telemedicine) facilities, network management experience, collaboration with other partners, innovative business models, and others.

Selection will be determined based on the criteria provided herein, with the awardee being

the entity that best demonstrates its ability to deploy enhanced connectivity most costeffectively to the most locations.

In 2020, the District received \$400,000 of grant funding through the Appalachian Regional Commission and \$100,000 from the State of Ohio to deliver fixed wireless access to at least four (4) un-served areas in Monroe County. The District (through their consultant) completed a broadband needs and vertical asset mapping of the County. The effort identified 4 locations that contains sufficient vertical assets that would result in 1,171 residential units and 89 commercial facilities would benefit with access to broadband services. The analysis identified an estimated cost of \$43,435.00 for the materials and installation of broadband facilities in those locations. The map and costs estimates can be seen in Addendum 2 of this RFP.

II. <u>Performance Expectations</u>

The coverage area is defined in Attachment A. Although no estimate can be provided as to the expected service loads, it will be incumbent upon the vendor to provide user and packet prioritization to ensure guaranteed adequate bandwidth for system use.

The proposing firm shall include plans to assume maintenance, support, administration, and management of the wireless and fiber network, and to comply with a potential, to-be- negotiated Service Level Agreement.

Proposal should include a fixed price for additional address points that my able discovered throughout the buildout process that are not part of the original scope of work. Any housing development started after this agreement shall not be subject to funding as part of this agreement.

The qualified firm will propose a solution and equipment that would best meet the County's stated goals.

Aesthetics

All equipment (access points, antennas, customer premise equipment (cpe's), power supplies, etc.) should not negatively impact the appearance of publicly visible areas, and District owned property.

Frequency Coordination and RF Analysis

Assumptions will be made that any design planning would incorporate analysis of existing RF frequencies and signal strengths that will assist with designing and implementing equipment proactively, to include frequency coordination with existing Wi-Fi networks. TheCounty may arrange vendor access to District-owned/privately owned facilities to assist in any site surveys.

Security

Proposed equipment must offer the latest security methods utilizing industry-standard technologies. The system must be upgradeable by way of firmware, software, or ROM upgrades as new security technologies are standardized.

Back Haul ISP

Identification of Internet Service Provider options for Internet Service to the Wireless network. The expectation is that the proposal will include options for acquiring or for the provision of Internet service for the Wireless network.

Performance and Reliability

Any implemented network should maintain a minimum of 99% uptime of any manageddevice, and connectivity.

Provider must provide quarterly reports of number of customers that can be served, number of customers being served, down time of equipment

Physical Requirements

All outdoor equipment must operate in an ambient temperature range of -40 degrees to +140 degrees Fahrenheit, have enclosure and cable connections that are weatherproof, withstand shock and vibration and high wind speeds.

Warranty and Post Implementation Support

Provide manufacturer and vendor warranties on equipment and installation services covering firmware, hardware and software.

III. <u>Scope of Services</u>

Respondents must submit a detailed scope of work outlining the project plan, tasks, scheduling, and milestone events. In general, the District anticipates a "turnkey" full-service process. To the end, services are expected to include, at a minimum, the following:

- Provide system design
- Provide all necessary equipment including access points, antennas, customer premises equipment (cpe's), power supplies, etc.
- Provide all installation services for all equipment (The vendor will be responsible for securing any required permits, if applicable)
- Provide all necessary software and latest firmware updates
- Conduct necessary testing to assure acceptable service in the coverage area
- Provide and administer the manufacturer's warranty
- Provide options for back haul Internet service for the Wireless network
- Provide post installation support of the system, as needed.

IV. <u>RFP Responses</u>

All responses must clearly and thoroughly address each of the components listed below. Respondents are advised to provide a level of thoroughness that will enable the District to achieve its objectives. Respondents are further advised to focus their responses on District specific investment areas and preliminary cost elements as opposed to including generalized or marketing statements and collateral.

Respondents are advised that there is a twenty (20) page limit for responses to this RFP.

A. Respondent and Sub-Contractor Information

- Respondents are required to provide the organization name, address, phone, email, and website.
- Respondents are required to provide a contact person name, title, address, phone, and email (if different from the above organization).
- Respondents are required to provide any MBE/WBE/VBE/DOBE Certifications (if any).
- Respondents are required to provide an overview of its current services and statement of core business competencies.
- Respondents are required to provide a brief explanation as to Respondent's experience with federal and state laws regarding procurement and construction compliance.
- Respondents are required to list any partners or outside vendors that will be utilized to complete any portion of the RFP. If a subcontractor or co-partner will be responsible for any portion of delivery of the RFP services, Respondent should identify its plan for replacing the subcontractor or co-partner if: (1) the subcontractor or co-partner's services are unsatisfactory, and/ or (2) they no longer are the subcontractor or co-partner. Be advised that the District must be notified of any replacement subcontractor or co-partner in advance of such subcontract or co-partner commencing any work related to the Project.

B. Respondent Background and Experience

- Respondent shall include any certification with regard to wireless installation and operations and references of similar work.
- Respondents are required to provide their prior experience with leasing publicly owned assets and with wireless network construction, particularly in rural communities.
- From the Respondent's perspective and experience, what are the impediments to the success of such leasing programs?
- From the Respondent's prior experience, what are the impediments to wireless network expansion in rural communities?

C. Respondent Experience and Partnerships

- Who are the Respondent's current partners for broadband expansion outside of Monroe Countyand what use(s) does the Respondent have of its partners' applications and/ or platforms?
- How would such partners' applications and/ or platforms be made available for the District's use/ benefit should the Respondent be awarded under this RFP?

• All respondents are required to provide a narrative, including references and any measurable benefits, of any similar projects to that which the Respondent is proposing within the County.

D. Respondent Proposed Wireless Build-Out and Network Operations

- What is the Respondent's proposed wireless network architecture, including incorporation of existing vertical assets through mutually agreeable lease arrangements with the District and the acquisition and installation of the Broadband Infrastructure?
- Why is such Broadband Infrastructure preferable to other options in the market?
- What is the estimated time for completion of the Respondent's proposed Broadband Infrastructure network? What additional information or support would be required from the District or other public entities in order to meet the proposed timeline?
- How will the Respondent prioritize the buildouts?
- How would the proposed Broadband Infrastructure be scalable as residential, commercial, and institutional bandwidth demands in each area continue to increase?
- Does the Respondent currently own and/ or operate broadband infrastructure within the investment areas? If so, how would such infrastructure be contributed to the goals of this Project?
- How does the Respondent currently ensure network redundancy?
- What carriers, ISP's, data centers, etc. are currently utilizing the Respondent's network(s)within Monroe County or otherwise?
- Once installed, how does the Respondent monitor its network? What equipment and/ or land access will be required by the Respondent for ongoing monitoring of its network?
- How does the Respondent ensure user protections and the security of its network?
- How will the Respondent ensure that the requisite broadband speeds are actually delivered to end users and provide information of such speeds to the District and/or such users?
- Respondent are required to provide a proposed Service Level Agreement ("SLA") for theapplicable end users as an attachment to its RFP response that includes a full cost table, response times, emergency repair, etc.

E. Respondent Pricing Components

• What is the Respondent's proposed rate structure for the various end users to which service will be available through its build-out? In particular, Respondents must provide monthly service costs for residential customers, commercial customers, and

institutional/ governmental customers (should such rates differ).

- How will the Respondent provide its pricing structure(s) to end users? FCC subsidies, other
- Any revenue opportunities for the District as a result of this RFP are considered secondary to the District's aforementioned priorities. However, Respondents should include any proposed revenue share opportunities with the District in sufficient detail for the District to analyze the potential benefit prior to issuing an award under this RFP.

F. Respondent Existing and Future Operations within the District

- Does the Respondent currently maintain any office(s) and/ or staff within the County? If
- so, please provide the address of the office and/ or number of staff in Monroe County.
- The District's preference is to work in collaboration with the selected third party. Collaboration can take many forms. How does the Respondent propose to work with the District and what are the purported benefits of such arrangement for both parties?
- How would Respondent market the Broadband Infrastructure to users in the investment areas?

G. Cost

Provide the total cost to complete the services described in your response. The cost proposal should provide a breakdown of the costs based on the defined project scope as defined in this document, including the cost to deploy the system within the area as defined within the Coverage Map (Addendum 2). The District reserves the right to exclude certain geographic locations from the final Scope of Work, based on the cost/benefit of system deployment, aesthetics, etc.

V. <u>Evaluation Criteria</u>

It is the District's main intent through this RFP for a third party to expand Broadband Infrastructure to benefit County residents, businesses, community institutions, government, and overall economic development, and catalyze innovation. The District desires to create an environment that serves the residents and businesses' current and future technology needs. Bearing these priorities in mind, RFP responses shall be evaluated based on the following criteria:

RESPONDENT EXPERIENCE AND PARTNERSHIPS: 30 possible points

PROPOSED BUILD-OUT AND NETWORK OPERATIONS: 30 possible points

PRICING COMPONENTS: 25 possible points

EXISTING OPERATIONS WITHIN THE COUNTY: 5 possible points

PARTICIPATES IN USAC LIFELINE PROGRAM: 10 possible points

VI. <u>Proposal Format and Submittal Procedure</u>

All proposals must be electronically generated. Respondents must submit one (1) Portable Document Format (PDF) version of all proposal materials via electronic mail to the following address (the "District's Authorized Representative"):

tess.hill@omeresa.net

Following the RFP Issue Date, Respondents may attend a Video Call, scheduled for 9 A.M. on July 27, 2022. This call will provide background information on investment area, vertical assets, Mapping report and cost estimates. Potential Respondents will have an opportunity to ask clarifying questions at this meeting.

Respondents may submit further questions regarding this RFP at any timeprior to 12:00pm Eastern on July 25, 2022 to the email for the District's Authorized Representative. Questions submitted to the District Authorized Representative do not create exceptions to the terms and conditions of this RFP. All questions submitted to and answers provided by the District's Authorized Representative shall be shared by the District on or before July 27, 2022. Respondents shall not contact to discuss this RFP, any person who is an employee, officer, elected official or agent of the District, with respect to this RFP, except the District's Authorized Representative. The District may disqualify any Respondent who makes such contact.

The deadline for the District's receipt of a Respondent's proposal, in both the printed and emailed PDF versions as outlined above, is <u>August 8. 2022 at 12:00pm Eastern</u>. Respondents may submit their proposals at any time prior to the above stated deadline. Failure to submit the required formats by this deadline may be subject for disqualification from the RFP process.

VII. Examination of Documents and Requirements

Each Respondent shall carefully examine the RFP and thoroughly familiarize themselves with all requirements prior to submitting a proposal to ensure that the proposal meets the District's intent.

Before submitting a proposal, each Respondent shall be responsible for making all investigations and examinations necessary to ascertain conditions affecting the requirements of this RFP. Failure to make such investigations and examinations shall not relieve the Respondent from its obligation to comply, in every detail, with all RFP provisions and requirements.

VIII. Post-Proposal Discussions with Respondents

It is the District's intent to commence final negotiations with the Respondent deemed most advantageous to the District. The District reserves the right to conduct post-proposal discussions with any Respondent.

IX. <u>Terms, Conditions, Limitations and Exceptions</u>

- 1. This RFP does not commit the District to issue an award or to pay any costs incurred in the preparation of a proposal in response to this RFP.
- 2. The proposals will become part of the Districts' official files without any obligation on the District's part.
- 3. All proposals received and any or all-supporting documentation are subject to the State of Ohio Public Records Act and the provisions of Ohio Law. The District will use due diligence to protect materials clearly marked by any Respondent as "proprietary," "trade secret "or "confidential". General technology approach or business model information does not constitute "proprietary," "trade secret" or confidential information.
- 4. Respondent(s) shall not offer any gratuities, favors, or anything of monetary value to any official or employee of the District.
- 5. Respondent(s) shall not collude in any manner, or engage in any practices, with any other Respondent(s), which may restrict or eliminate competition or otherwise restrain trade. This is not intended to preclude subcontracts and joint ventures for the purposes of: (1) responding to this RFP, or (2) establishing a project team with the required experience and/or capability to provide the services specified herein. Conversely, the District can combine or consolidate proposals, or portions thereof, for the purposes mentioned herein.
- 6. All proposals submitted must be the original work product of the Respondent. The copying or paraphrasing of the work product of another Respondent is not permitted.
- 7. The RFP and the related responses of the selected Respondent may by reference become part of any formal agreement between the selected Respondent and the District. The District and the selected Respondent may negotiate a contract or contracts for submission to the District for consideration and Board approval. In the event an agreement cannot be reached with the selected Respondent, the District reserves the right to select an alternative Respondent.

The District reserves the right to negotiate with alternative Respondent(s) the exact terms and conditions of the contract.

- 8. Respondents, their authorized representatives, and their agents are responsible for obtaining, and will be deemed to have full knowledge of the conditions, requirements, and specifications of the RFP at the time a proposal is submitted to the District.
- 9. The District may terminate its performance under a contract in the event of a default by the Respondent and a failure to cure such default after receiving notice of default from the District. Default may result from the Respondent's failure to perform under the terms of the contract or from the Respondent becoming insolvent, having a substantial portion of its assets assessed for the benefit of creditors, or having a receiver or trustee appointed.
- 10. The District reserves the right to unilaterally disqualify any Respondent who in the District's opinion fails to provide information or data requested or who provides materially inaccurate or misleading information or data. Further, the District reserves the right to unilaterally disqualify any Respondent on the basis of any real or apparent conflict of interest that is disclosed by the proposal submitted or any other data or information available to the District. This disqualification is at the sole discretion of the District. By submission of a proposal hereunder, the Respondent waives any right to object now, or at any future time, before anybody or agency, including but not limited to, the District's elected officials, officers, agents, or employees, or any court, as to the exercise by the District of such right to disqualify or as to any disqualification by reason of real or apparent conflict of interest determined by the District.
- 11. The District shall have the unilateral right to reject any Respondent RFP response including, but not limited to the following:
 - (a) Failure to submit the RFP response in order for the District to receive it by the deadline of August 8, 2022 at 12:00 pm Eastern.
 - (b) Failure to submit the RFP response to the correct location.
 - (c) Failure to submit the RFP response in the prescribed format.
 - (d) Failure to include all requested information.
 - (e) Taking exception to the terms, conditions, and specifications herein.

NOTE: Any deviation/ omission from the preceding list may void a Respondent response.

The issuance of this RFP and the acceptance of a proposal does not constitute an agreement by theDistrict that any contract or other agreement will actually be entered into by the District. The District expressly reserves the right to:

- (a) Reject any or all proposals.
- (b) Reissue the RFP.
- (c) Accept portions of individual or multiple RFP responses.
- (d) Request more information and/or clarification of proposals from any or all Respondents.
- (e) Waive immaterial defect(s) or informality(ies).

The foregoing granting of exclusive negotiation rights does not commit the District to accept all or any of the terms of the proposal(s). Final terms of any agreement will be agreed upon during negotiations. Negotiations may be terminated at any time by the District for failure to reach mutually acceptable terms.

- 12. The District reserves the right to request clarification of any proposal after all proposals have been received.
- 13. The District reserves the right to select elements from different individual proposals and tocombine and consolidate them in any way that best serves the District's interest. The District reserves the right to reduce the scope of the project and evaluate only the remaining elements from all proposals. The District reserves the right to reject specific elements contained in all proposals and to complete the evaluation process based only on the remaining items.
- 14. Any disputes arising out of this agreement that result in litigation shall be litigated in the appropriate court in Monroe County, Ohio.
- 15. This RFP, the responses thereto, and any awarded contract thereunder shall for all purposes be construed and enforced in accordance with the laws of the State of Ohio. All Respondents shall comply with any and all applicable orders, rules or regulations of the Federal Communications Commission ("FCC"), Public Utilities Commission of Ohio ("PUCO"), and Federal and State law in submitting a response to this RFP, and during theterm and in performance of any contract awarded as a result of this RFP. Further, any Respondent awarded a contract under this RFP shall adhere to the requirements of the Federal and State laws as referenced and linked on Addendum 1 of this RFP, and the requirements of any and all further requirements issued by the Appalachian Regional Commission, U.S. Department of Treasury, or other applicable federal agency in issuing an award under this RFP.
- 16. Entities submitting proposals must have the capacity to enter into a legally binding contract. All contract(s) amount(s), if any, resulting from this solicitation will be paid directly to the entity submitting accepted proposal(s). In any accepted proposal(s), to authorize payments directly to another third party upon contracting the proposing entity may be required to fully execute such proper payment authorization forms as acceptable to the District.
- 17. The District reserves the right to conduct, for security reasons, a lawful background investigation on the selected Respondents, its principal party, personnel or subcontractors. Respondents agree to cooperate with the District in this endeavor and to provide any permitted, reasonably necessary information. The District will, upon the Respondent's written request, provide a copy of such background investigations to the Respondents, to the extent allowable by law. Dependent upon the results of the background check, the District may request the Respondents to immediately remove an individual from participation on this project. Respondents shall not knowingly assign any personnel with records of criminal conviction(s) to this Project without advising the District of the nature and gravity of the offense. In fulfilling the obligations under this section, the District and

the Respondents shall comply with all laws, rules, and regulations relating to the making of investigative reports and the disclosure of the information contained therein. The District and the Respondents shall, if allowed by law, indemnify, defend, and hold each other harmless against any wrongful disclosure by the indemnifying party, its employees, and/or agents of said reports and the information contained therein.

- 18. All selected Respondents shall be required in the course of the project to cooperate fully, and in any reasonable manner the District shall request. Further, selected Respondents shall be required to coordinate their implementation(s) with any other broadband projects that are being undertaken in Monroe County. If any problem or difficulty should arise regarding such attempts at cooperation and coordination, the District shall be immediately informed and will determine the manner in which the parties are to proceed.
- 19. The selected company must be able to provide evidence of insurance coverage as follows in conformance with the District's requirements: General Liability; Automobile; Workers Compensation and Professional Errors and Omissions Insurances. The District shall be named as an Additional Insured.
- 20. The selected company will be required to provide a Performance Bond to the District as a part of final construction contract.

ADDENDUM 1

Federal Grant Compliance

This appendix is included with RFP documents when any portion of the procurement is funded by a Federal Government Grant awarded to the Switzerland of Ohio Local School District (District) as Granteeor Sub-Grantee or at any pass-through tier.

The District hereby certifies compliance with the e-CFR §§200.318-326 Uniform Grant Guidance (UGG) standards as issued by the US Office of Management and Budget (OMB) Circular effective December 26,2014. Compliance includes but is not limited to the following: General Procurement Standards, Competition, Methods of Procurement, Contracting with Small and Minority Businesses, Procurement of Recovered Materials, Contract Cost and Price, Federal Awarding Agency Review, Bonding Requirementsand Contract Provisions.

The awarded Contractor is advised the Federal awarding agency, the Comptroller General of the UnitedStates, or any of their duly authorized representatives shall have access to any books, documents, papers and records of the Contractor which are directly pertinent to this specific project for the purpose of making audits, examinations, excerpts and transcriptions.

Moreover, the Contract(s) resulting from Award of this RFP/ITB shall include the following provisions asper the Code of Federal Regulations-Title II- Part 200- Appendix II which are hereby incorporated into and form a part of the Terms and Conditions of the Contract.

- a. <u>Equal Employment Opportunity Act</u> Executive Order 11246 as amended by E.O. 11375 and supplemented by regulations at 41 CFR Part 60, "Office of Federal Contract Compliance Programs, Equal Employment Opportunity, Department of Labor". The Contractor will not discriminate against any employee or applicant for employment because of race, color, religion, sex, or national origin.
- b. <u>Davis-Bacon Act</u>, as amended (40 U.S.C. 3141-3148) for prime construction projects in excess of \$2,000 under which Contractors are required to pay wages to laborers and mechanics at a rate notless than the prevailing wages specified in a wage determination made by the Secretary of Labor and shall be required to pay wages not less than once a week. A copy of the current prevailing wage determination issued by the Department of Labor shall be included in this solicitation, and the award of a contract shall be conditioned upon the acceptance of the wage determination, (wage determinations online at http://www.wdol.gov). This includes the Copeland "Anti-Kickback" Act (40 U.S C. 3145) providing that each Contractor shall be prohibited from inducing, by any means, any person employed in the construction, completion, or repair of publicwork, to give up any part of the compensation to which he is otherwise entitled.
- c. <u>Contract Work Hours and Safety Standards Act</u> (40 U.S. C 3701-3708) Under Contracts awarded in excess of \$100,000, Contractors are required to base pay on a 40 hour workweek and to pay
 1.5 times the base pay rate for hours worked in excess of forty. No construction laborer ormechanic shall be required to work in surroundings or under working conditions that are unsanitary, hazardous or dangerous.
- d. Rights to Inventions Made Under a Contract or Agreement 37 CFR Part 401.
- e. <u>Clean Air Act</u> (42 U.S.C. 7401-7671q.) and the <u>Federal Water Pollution Act</u> (33 U.S.C. 1251- 1387) as amended for Grants and Contracts in excess of \$150,000. Violations to be reported to the regional office of the Environmental Protection Agency (EPA).
- f. <u>Debarment and Suspension</u> (Executive Orders 12549 and 12689) A contract award must not be made to parties listed on the government-wide exclusions in the System for Award Management(SAM) list of parties excluded from federal procurement or non-procurement programs.
- <u>Byrd Anti-Lobbying Amendment</u> (31 U.S. C. 1352). Contractors that bid for an award exceeding
 \$100,000 must file certification that it will not use Federal funds to pay any person or organization for influencing an

officer or employee of any agency, a member, officer or employeeof Congress in connection with obtaining any Federal contract, grant or other award.

Compliance with the Davis Bacon Act identified in paragraph b. above <u>may</u> require the Awarded Respondent to submit on a weekly basis, a certified copy of all payrolls for the preceding weekly payroll period. Each payroll submitted shall be accompanied by a Statement of Compliance using page 2 of Form WH-347 Payroll (For Contractors Optional Use), or any form with identical wording, certifying compliance with applicable requirements. The statement is to be signed by the Respondent or their subcontractor or by an authorized officer or employee of the Respondent or subcontractor who supervises the payment of wages and delivered to the Project Manager or other designee as identified in the RFP. This must be submitted within seven (7) days after the regular pay date for the pay period.

The Proposer's signature below constitutes agreement to comply with the above provisions and to flow down all applicable provisions to subcontractors.

ACCEPTANCE OF APPENDIX I

We do hereby acknowledge the above provisions as part of the Terms and Conditions of the District's RFP.

PLEASE PRINT & SUBMIT WITH REPONDENT'S PROPOSAL

Company Name_____

By_____

Title_____

Signature_____

Date_____

ADDENDUM 2

OPINION OF PROBABLE COSTS

Tower Equipment Breakdown

ePMP 3000 5GHz AP Radio with sector antenna	\$ 5,072.00
Mikrotik 4011 Router	\$ 194.00
Cambium Networks cnMatrix EX2010	\$ 628.00
Backhaul Cambium550 with dish	\$ 1450.00
UPS	\$ 279.00
Cabling	\$ 2728.00
5 Repeater Stations (Cambium MicroPop)	\$ 6,344.00
Labor	\$ 2,200.00
Tower Structural Survey	<u>\$ 6,500.00</u>
Total	\$ 25,395.00
Subscriber Modules (75)	\$ 12,375.00
Total with contingency	\$ 43,435.50

WIRELESS SYSTEM PLACEMENT MAP

