

## **WHIN Wireless GEAR RFP - 2023**

**Aug 30, 2023**

### **Project Overview**

The Wabash Heartland Innovation Network (WHIN) is a 501c3 organization located in West Lafayette, Indiana serving a ten-county region in northwest central Indiana. WHIN is developing its region as a Living Laboratory for advanced technology related to the Internet of Things (IoT), including state-of-the-art network technology that can be used to accelerate high-quality commercial broadband services in presently un- and underserved footprints. WHIN makes that technology available to Internet Service Providers and Wireless Internet Service Providers (ISPs and WISPs) to serve customers by agreements that enable WHIN to develop both engineering and business use cases for WHIN's charitable purposes of research and education.

### **Scope of Work**

WHIN is seeking at least one (1) vendor to supply WHIN with the wireless equipment described below.

### **Specifications of solutions to be provided**

Quantity: 24 CBRS LTE Radios with Embedded EPC and Compatible Sector Antennas

- a. Capable of 100/20 Mbps or higher
- b. Mobility core active, with roaming agreements in place for at least two national carriers

Quantity: up to 200 CPE that are compatible with the quoted CBRS LTE solution and the existing deployment of Telrad LTE base stations. Include all ancillary costs such as POE, mounts and SIM cards if sold separately.

Quantity: up to 12 - CBRS Premium Radios (including required and optional licensing) and Compatible Antennas capable of:

- a. 400/400 Mbps or higher
- b. Beamforming on Tx and Rx



Quantity: 50 - CPE (including required and optional licensing) that is compatible with the quoted CBRS Premium Radios.

Quantity: 1 Mesh solution preferably operating using 60Ghz capable of delivering 400Mb per node. Equipment using other spectrum will be considered. The solution needs to include a minimum of 10 end user connections. Include all ancillary costs such as POE, mounts, cables, and SIM cards if sold separately.

Quantity: 1 Satellite based solution capable of a minimum of 100Mb download speeds per end node. The nodes should have the capability to bond multiple connections increasing speeds. Include all ancillary costs such as power, grounding, mounts, and cables if sold separately.

Quantity: 1 Satellite based solution capable of a minimum of 200Mb download speeds per end node. The nodes should have the capability to bond multiple connections increasing speeds. Include all ancillary costs such as power, grounding, mounts, and cables if sold separately.

Quantity: 1 of each Licensed Microwave Backhaul inclusive of all license fees

- a. 11GHZ
- b. 18GHZ
- c. 80GHZ

### **Respondent and Subcontractor Information**

#### **To be considered, please provide the following information**

1. Company name, address, phone, email, and website.
2. The main contact person name, title, address, phone, and email (if different from the above organization).
3. Detailed Pricing – please submit a detailed bid, itemizing the specific gear and its technical specifications
4. Delivery Timeline– please indicate the date by which the gear could be expected to be received.
5. RFP Purchasing Window – please indicate the length of time you will accept purchase orders for this RFP.
6. RFP Quantities – please indicate whether you will extend the RFP terms within the above defined RFP Purchasing Window to additional quantities.

### **Selection criteria and process**

Proposals and bids must be received by September 30, 2023. WHIN will at its sole discretion select the vendor based on the following criteria and announce its selection on or before October 25th, 2023:

1. 50% meets the technical performance requirements
2. 30% meets the timeline
3. 20% price

Preference will be given to flexibility in purchasing window and quantities.

**If you have any questions, please contact Greg Jarman at [greg.jarman@WHIN.org](mailto:greg.jarman@WHIN.org)**