

WHIN Wireless Auxiliary Equipment RFP - 2025

July 28, 2025

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.

WHIN also operates a LoRaWAN network.

Scope of Work

WHIN is seeking vendors to supply to WHIN all or a subset of the following materials for wireless deployments described below. The materials are expected to complete up to five full builds and provide spares for specific items.

Specifications of solutions to be provided

Cabling

Quantity up to 5 Outdoor Hybrid Fiber Trunk 12 SM / 12x10AWG at lengths of 200', 225', 250', 275', and 300' (OHFT-12SM1210LCULCU232224-F200 or comparable)

Quantity up to 10 Outdoor Hybrid Enclosure with Surge 12 SM / 6 SPD (OHE-24-6SPD-G4 or comparable)

Quantity up to 40 20ft Outdoor Armored SM Fiber Patch Cable (OFJ-2SMA-LCPLCU-9950-F20 or comparable)



Quantity up to 40 1-5/8" Multi-Run Snap In Hanger (10-pack) (158SS-A or comparable)

Quantity up to 40 1-5/8" Universal Barrel Cushion (10-pack) (BCU158X or comparable)

Quantity up to 10 Angle Adapters for Snap-Ins (10-Pack) (APAP-O or comparable)

Quantity up to 10 7/8" Stackable Snap-In Hangers (10-Pack) (78SS-A or comparable)

Quantity up to 10 7/8" Universal Barrel Cushions (10-pack) (BCU78X or comparable)

Quantity up to 10 Snap-in Standoff Kit up to 4" (10-pack) (STK2-O or comparable)

Quantity up to 3 Shielded Cat5e - 1000' Box

Quantity up to 5 10' x 12" Ice Bridge with Vertical T-Bracket (IB1210D-V or comparable)

Quantity up to 10 7/8" Hoist Grip (HG78 or comparable)

Power Distribution

Quantity up to 7 48VDC Power System with minimum 1600w

- ICT1600-48SBC PSU and ICT200DV-12IRC PDU or comparable system/components

Quantity up to 60 10a Breaker (ICT-CB10 or comparable)

Quantity up to 5 3' 6AWG Cable with SB-50 and 1/4" Single Hole Lugs

Quantity up to 5 3' 6AWG Cable with SB-50 and 3/8" Single Hole Lugs

Quantity up to 20 12v200AH Batteries (Lead acid or lithium)

Networking

Quantity up to 7 Mikrotik CCR2004-1G-12S+2XS Router

Quantity up to 7	Mikrotik RB4011IGS+5HACQ2HND-IN-US Router
Quantity up to 7	Mikrotik K-65 Rackmount ears for RB4011
Quantity up to 7	Mikrotik XS+DA0001
Quantity up to 60	10Gbps SFP+ Transceiver (APX-SFP-IND-10G or comparable)
Quantity up to 10	Mikrotik PW48V-12V85W DC PSU Replacement
Quantity up to 8	Tycon Systems TP-DCDC-4856GD-VHP

Grounding

Quantity up to 10	Universal Grounding Kit for Cable (VP-GK-5UT or comparable)
Quantity up to 3	6AWG Green THHN Ground Wire 100' (6G-100 or comparable)
Quantity up to 3	2AWG Solid Tinned Ground Wire 100' (2S-100 or comparable)
Quantity up to 250	6AWG Single-Hole Ground Lug (HL604 or comparable)
Quantity up to 250	6AWG Universal Two-Hole Ground Lug (HLU6 or comparable)
Quantity up to 30	5/8" x 8' Ground Rod (GR5880 or comparable)
Quantity up to 250	Grounding Hardware Kits (GHK38 or comparable)

Mounting

Quantity up to 15	Mounting Sector Frame with 7' Face (VFA6-SD-S or comparable)
Quantity up to 30	2-3/8" x 72" Mounting Pipe (P272 or comparable)
Quantity up to 1	Monopole Platform Kit (SNP8HR-NP or comparable)
Quantity up to 6	Pipe-to-pipe Clamp Set (SCP10K or comparable)

Environmental

Quantity up to 5 Outdoor Telecom Enclosure with the below features:

- AC Power Load Box
- Battery Compartment/Shelving
- Heated and Cooled
- Minimum 18RU
- 5G-LTE or comparable model

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 5, 2025. WHIN will at its sole discretion select the vendor based on the following criteria and announce its selection on or before September 12, 2025:

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

If you have any questions, please contact Todd Bennett at todd.bennett@whin.org.