

REQUEST FOR PROPOSALS

Western Ave Wi-Fi
IT 23-004
Addendum No. 1

Date: Monday, 29 August, 2022

Subject: Addendum No. 1 to Solicitation No. IT 23-004

Submittal Deadline: Tuesday, September 6, 2022, 2:00 PM (local time, Avondale, Arizona)

PURPOSE

This Addendum forms a part of the Contract and clarifies, corrects, or modifies the original Request for Proposals document prepared by the City of Avondale. Acknowledge receipt of this Addendum in the space provided on the attached “Acknowledgment of Addenda Received” form. This acknowledgement must accompany the submitted proposal. Failure to do so shall subject the offeror to disqualification.

This Addendum No. 1 consists of submittal deadline extension and Q&A as of August 29, 2022 for Request for Proposals IT 23-004, released on Wednesday, July 27, 2022.

SUBMITTAL DEADLINE EXTENSION:

The RFP due date and time has been extended to September 6, 2022 2:00 p.m. (local time, Avondale, AZ)

Q&A:

- 1. Question:** We are not seeing a place in the Required Submittal section (P. A-2) where we can make any notes to your Section B, the Purchase and Services Agreement Sample (P. 1-34). Are we to assume that any negotiation of this agreement would take place after award based on the language in D. Form of Agreement (P. A-6) section?

Answer: If you have any exceptions to the Purchase and Service Agreement, please include it with your proposal. Negotiations of the agreement will take place prior to award.

- 2. Question:** 1. Assume WIFI AP can be installed in any city owned assets? 2. Will there be a pre bid site walk of the area with the City of Avondale? 3. What will be permitting process with the City of Avondale? Will it be the same process that exists today? 4. Is the stretch of Western Ave between S. Central and N Dysart Rd the main target area to serve? 5. Will residents that live to the north and south of Western Ave to be served as well? 6. Will there be a utility coordination walk to identify power sources? 7. Can we get the current wifi

architecture to determine the level of effort required to integrate to Purple AI 8. Are there longer term plans to expand this CBRS network to determine the right architecture to propose 9. Coverage indoor or outdoor walking customers "10. What types of structures are available for collocating outdoor CBRS CPE and outdoor WiFi units? - Light Poles? Aesthetic ones? Traditional Aluminum ones? Both? - Utility Poles? Electric utility poles? Comm Utility Poles? Both?" 11. Any network specifics for handoff? Layer 2 or 3 requirements? Rj45 or SFP+ 12. Backhaul at Monopole-Fiber, if so, how much bandwidth given, 1GB Uplink? 13. Minimum user Throughput capacity (Mbps)? 14. What is maximum Height available on monopole? 15. Is there a building or structure for RAN CBRS equipment at base of tower? 16. How will power at the Aps be deployed or handled? 17. Electrical circuit/Power Handoff? Electrical circuit/Power Handoff?

Answer: 1. Open to design recommendation. Reference Section B, Scope of Work (6). 3. Yes, if required, same existing process for permitting. Reference Section B, Scope of Work (6). 4. Reference Section B, Scope of Work (6). 5. Reference Section B, Scope of Work (4, 6). 7. Coordinate upon bid award. 8. Not under this SOW. 9. Reference Section B, Scope of Work (4). 10. Open to design recommendation. Reference Section B, Scope of Work (6). 11. Reference Section B, Scope of Work (3). 12. Local handoff for ISP connectivity at 101 S 5th St, Avondale, AZ 85323. Plan for 1Gbps link 13. 100Mbps up/down 14. 75' 15. Fire station and limited rack space available at tower base. 16. Reference Section B, Scope of Work (6). 17. Reference Section B, Scope of Work (6).

- 3. Question:** Are there any additional high elevation infrastructure assets (towers, water towers, buildings, bill boards, fire/police stations, schools) besides the Communications Tower located at 101 S 5th St. Avondale, AZ 85323?

Answer: None identified; Reference Section B, Scope of Work (6).

- 4. Question:** Is wireless rouge detection/prevention required?

Answer: Reference Section B, Scope of Work (3).

- 5. Question:** What is the dimension of the target coverage area via GIS Map report? Most customers use Google Maps to illustrate.

Answer: Reference Section B, Scope of Work (6).

- 6. Question:** How many users or estimated users will be utilizing the broadband wireless network?

Answer: Open to design recommendation. Reference Section B, Scope of Work.

- 7. Question:** Are there local and community partnerships that will be involved in the project? County, City, Schools Districts, State Agencies, Electrical Companies or Private.

Answer: No.

8. Question: Are there any mobile applications that the solution needs to support? (i.e. voice or data services for city/county non-first responder personnel who need mobile coverage throughout the footprint)

Answer: None identified under this SOW.

9. Question: Are there any telemetry applications that the solution needs to support? (i.e. traffic cameras, light controllers, signage)

Answer: None identified under this SOW.

10. Question: Can we assume power, fiber and grounding are within 6 feet of each equipment location? If not, who is responsible for extending power and fiber to or a grounding point for each equipment location?

Answer: Reference Section B, Scope of Work (6).

11. Question: Would Insight handle all the site acquisition, zoning and permitting for the project?

Answer: Contractor to handle. Reference Section B, Scope of Work.

12. Question: Are there minimum RF coverage requirements (i.e. RSRP minimums)?

Answer: Open to design recommendation.

13. Question: What is the minimum up/down performance throughput required?

Answer: 100Mbps up/down

14. Question: Has a City or County data center facility been identified to host the core network equipment? If so, what is the address or Lat/Long?

Answer: Prefer cloud-based.

15. Question: Is the fiber being provided, dark or lit?

Answer: Not available under this project.

16. Question: Hardware warranty is 3 years, we assume maintenance break/fix dispatch support will also be 3 years (please confirm).

Answer: Yes, include 3yr break/fix.

17. Question: Does the city have a preferred hardware vendor for the Wi-Fi Access Points?
For the CBRS Access Point?

Answer: Not specified; open to design recommendation.

18. Question: Which frequencies does Avondale intend to broadcast Wi-Fi on? 2.4 / 5.2 / CBRS? Others?

Answer: Reference Section B, Scope of Work.

19. Question: Does the connection between the Communication Tower and the WAPs have to be Private LTE? Is Private 5G be an acceptable option?

Answer: Open to design recommendation.

20. Question: Does the connection between the Communication Tower and the WAPs have to be CBRS? Or can other frequencies be used (either in addition to or instead of)?

Answer: Open to design recommendation.

21. Question: When will the City provide answers to the questions submitted by potential vendors?

Answer: The answers were submitted on Thursday, August 25, 2022.

22. Question: Since our proposed solution will be based on answers to our submitted questions, will the City consider an RFP submittal deadline extension?

Answer: The RFP submittal deadline will be extended by one week. Please see addendum #1.

23. Question: Hello. We have the following questions: Is there a particular manufacturer the City prefers? Other than the WAP's, will any other devices be connected to the Private LTE network? What are the capacity requirements for the Private LTE network?

Answer: Not specified; open to design recommendation. Not included under this SOW. Minimum 100Mbps up/down.

24. Question: 1. Does City of Avondale currently have access to CBRS Priority Access licensing? 2. Does City already have a planning location where Wireless Access Point need to be installed along Western Av.? 3. Does City expect to have single site location (CBRS LTE Antenna tower) only to cover CBRS LTE coverage along western avenue? 4. Is there any existing fiber optic network that City already utilized it? 5. Will wireless access points (AP's) be mounted at City's facilities? 6. Will be possible to install the Wireless Access point mounted at Western av street light pole? Does the street light

fixtures have a NEMA receptacle (3,5, or 7 Pin)? 7. Do the fixtures have constant power as they could be used as a power source for AP devices? 8. Will City be providing fiber backhaul network? 9. Is there any Fiber connectivity back to ISP for the CBRS LTE network? 10. Will City be providing a power source for all required equipment at site location (01 S 5th St, Avondale, AZ 85323) 11. Does City have preference or specification of Wireless Access Point? 12. Does City prefer On-Premise or cloud-based hosted LTE core network for CBRS network? At what location if City prefers on-premise LTE core be deployed? 13. Does City have a data center where the CBRS LTE core network, network management tools can be deployed and hosted? 14. Does the maintenance services to be onsite or Remote support should be adequate?

Answer: Not currently. Reference Section B, Scope of Work (6). Yes, single location under this SOW. Not available under this project. Open to design recommendation. Reference Section B, Scope of Work (6). Can utilize light poles. No known NEMA receptacles. Reference Section B, Scope of Work (6). Unknown, contractor to verify; Reference Section B, Scope of Work (6). No. Local handoff for ISP connectivity at 101 S 5th St, Avondale, AZ 85323. Yes, power provided. Reference Section B, Scope of Work (6). Not specified; open to design recommendation. Prefer cloud-based. Prefer cloud-based. On-site, and remote where applicable.

25. Question: Can we attach the WAP units to light poles and tap into the electrical?

Answer: Can utilize light poles. Reference Section B, Scope of Work (6).

26. Question: Is the wireless communication tower the only city property to add the private network broadcast device to?

Answer: Reference Section B, Scope of Work (3).

27. Question: Does the city desire we provide different levels of 24/7 support services (i.e. Bronze, Silver, Gold)?

Answer: Reference Section B, Scope of Work.

28. Question: Does the city have a desire to have the WAP devices to have backhaul failover? Example: CBRS Private LTE as primary, Cellular 4G/5G hot standby

Answer: No redundancy needed for WAPs.

29. Question: 1. Is purple ai already configure before Uplink backhaul Handoff? 2. Would we need to work with purple ai for implementation on the network? 3. Our preliminary study shows that you will need 22 access points to properly cover the targeted area. How were the 8 Access Points requirement calculated?

Answer: No. Implement using City's Purple account; Reference Section B, Scope of Work (4, 5). Open to design recommendation. Reference Section B, Scope of Work (4).

**CITY OF AVONDALE
ACKNOWLEDGMENT OF ADDENDA RECEIVED**

REQUEST FOR PROPOSALS

Western Ave Wi-Fi IT 23-004
Addendum No. 1

_____, affirms that ADDENDUM No.1
(Name of Vendor/Designee)
has been received and that the information contained in ADDENDUM No. 1 has been incorporated
in formulating the Vendor's Proposal.

_____,
Signed Date 2022

Print Name

Title

Company Name

Address

City, State, Zip Code

END OF ADDENDUM No. 1