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October 15, 2013

ADDENDUM #3
REQUEST FOR PROPOSAL #13231
COUNTYWIDE RADIO COMMUNICATIONS SYSTEM
RFP Opening Date: OCTOBER 31, 2013, 2:00 p.m. local time

Please note the following clarifications, revisions, and/or additions to the RFP documents.

1. **Question:** It is our assumption that all provisions of the Illinois Prevailing Wage Act are applicable to the response and the ensuing work associated with this RFP. Is this assumption correct?
   Response: See Addendum 2, Question #24.

2. **Question:** Do any of buildings listed in the RFP or addendum contain any asbestos. If so, will the County provide asbestos abatement in areas needed to be accessed prior to the installation of communications systems equipment?
   Response: Yes, some County facilities listed in the RFP or addenda do have asbestos and the County will provide asbestos abatement in areas needed to be accessed prior to the installation of radio communications systems equipment.

3. **Question:** In reference to the "Must-Cover" buildings listed on page 276 and any subsequent additions to this list, can you provide a floor plan of each level with dimensions / square footage? Additional structure composition would also be benificial in the design of in-building solutions.
   Response: The County has provided plans for those buildings for which they are accessible through this Addendum.

4. **Question:** Can Proposer assume that wherever the RFP requests 15 years from a certain time, that certain time is acceptance?
   Response: No.

5. **Question:** There are different time periods mentioned in the RFP which appear to conflict: Exhibit A 2.7.9 15 years from the conclusion of warranty (16 years from system acceptance), 3.0 15 years from system acceptance, 5.1.15 15 years from final system acceptance, 7.1.4.2 15 years of service life, 8.3 from final system acceptance, 14.0 from final system acceptance, 14.1 from final system acceptance, 14.2 from last date of manufacture, 14.2 from notice of cancellation, 14.2 support for 15 years with no start indicated, 14.4 from final acceptance.
   Response: Exhibit A, A 2.7.9: refers to a maintenance plan which starts upon conclusion of warranty. The County has the option of purchasing the plan in increments up to 15 years after the Final System Acceptance. However, as indicated in this section, the maintenance plan is to include existing conventional base stations and repeaters. Therefore, it is possible that the County may start the maintenance plan after the Final System Acceptance, the first year it will overlap with the first year warranty. As clarification, the maintenance plan is to start after Final System Acceptance.
   Exhibit A, 3.0: Confirmed. "The system must be designed to support the County without requiring significant reinvestment for at least fifteen (15) years following (Final) system acceptance.
   Exhibit A, 5.1.15: Confirmed, not less than 15 years from Final System Acceptance.
   Exhibit A, 7.1.4.2: Confirmed as specified.
   Exhibit A, 8.3: Confirmed as specified.

Exhibit A, 14.0: Confirmed as specified.
Exhibit A, 14.1: Confirmed as specified.
Exhibit A, 14.2: Confirmed as specified.
Exhibit A, 14.3: Confirmed as specified.
Exhibit A, 14.4: Confirmed as specified.

6. **Question:** RFP, Page 20, Section 3 - Corp. Data; Is a letter of bondability, listing our bonding levels, acceptable in lieu of an actual bond?
   Response: Yes.

7. **Question:** Exhibit A, Page 249, Section 12.4; It is the most efficient and least costly to remove an existing mobile radio at the same time that the new radio is being installed. Is it acceptable to make this a stipulation for this installation portion of the cost proposal?
   Response: Yes, provided the cutover plan of the infrastructure is consistent with this approach.

8. **Question:** Exhibit A, Page 250, Section 12.4; This section requires the development of an Installation Guideline Manual for "all common and specialized vehicles and apparatus as well as control stations". Please identify how many different types of vehicles/apparatus/control stations will have this requirement?
   Response: The different types of vehicles/apparatus/control stations are unknown and are to be determined by the vendor upon inspection of the existing installation before developing the installation guideline manual.

9. **Question:** Is the proposer responsible for providing the described "mobile assembly" and "mounting assembly"? If so, please provide details.
   Response: No.

10. **Question:** RFP, General Requirements, Page 2 - We assume that we need to have original signatures in each of the two binders in Package 1. Please confirm.
    Response: Confirmed.

11. **Question:** RFP, General Requirements, Page 2 - Package 1 binders include everything that is found in Package 2 and Package 3 plus the additional requirements of Package 1. Please confirm.
    Response: Confirmed.

12. **Question:** RFP, General Requirements, Page 2 - Original signatures will only be in Package 1 binders. Please confirm.
    Response: Confirmed.

13. **Question:** RFP, General Requirements, Page 2 - Can vendors supply USB flash drives instead of CD-ROMs?
    Response: Yes.

14. **Question:** Exhibit A, Section 2.2, page 14 - Is the Offeror allowed to re-use the existing in-building coax and fiber currently in place for the counties installed in building BDA/DAS systems?
    Response: Yes, the turn-key responsibility remains with the Offeror. In the event of re-use of the existing in-building coax and fiber, the Offeror is to perform appropriate sweeps to verify operations within specifications.

15. **Question:** RFP, Page 15 - Can the County please confirm if the form on page 23 should be used for submitting references.

Response: Confirmed. Please refer to additional information requested on pages 15 and 16, for each reference, that can be supplemented to this form.

16. **Question:** RFP, Page 17 - The Transmittal Letter requirements on page 17, including the wording in the paragraph in red, are similar, but different to the form on the last page (25) of the RFP document. Should we use the form on page 25 for the Transmittal Letter?
    Response: The form on page 25 is in addition to the Transmittal letter.

17. **Question:** Exhibit A, Section 3.1, Page 55 - Can the County provide information about the surrounding co-channel systems including transmitter antenna mounting heights, models, azimuth if directional, and down-tilts?
    Response: County does not have the information available.

18. **Question:** Exhibit A, Section 4.1.3, Page 78 - Can the County provide the details of its current licensed service and interference contours? Preferably in an importable map able format such as shape files.
    Response: County does not have the information available.

19. **Question:** Exhibit A, Section 4.1.3, Page 78 - Can the County provide a document with all such parameters and restrictions for FCC/Region 54?
    Response: Please refer to Region 54 Planning Document. The County needs to be confident that any proposed system can be licensed.

20. **Question:** Exhibit A, Section 4.1.3, Page 78 - Does the County have a dedicated contact at the Region 54 Planning Committee for matters pertaining to this RFP?
    Response: No.

21. **Question:** Exhibit A, 5.48, Page 124 - Can Lake County provide information on the sites with the corresponding number of NPSPAC Conventional Mutual aid channels that are part of this RFP?
    Response: The NPSPAC conventional channels are at the Lake County Libertyville site as specified in the RFP.

22. **Question:** Exhibit A, 7.1.21, Page 147 - Can Lake County please provide a diagram of the current backbone network indicating where the fiber optic cable is routed and the available bandwidth?
    Response: The fiber used in the current backbone network is between Sheriff's Dispatch Center equipment room and the Libertyville Control Point as shown on the diagram on page 11 of the Exhibit A. The fiber is single mode, 12 stands, and information on available bandwidth is not available.

23. **Question:** Exhibit A - Where there is a reference for 6 9's reliability, does it apply to microwave backhaul only?
    Response: The microwave and fiber backhaul require minimum of 6 9's reliability. RFP also requires 6 9's for MNC Controller(s).

24. **Question:** Exhibit A - Should the 3 mile extension beyond the County border extend into Lake Michigan?
    Response: Yes.

25. **Question:** Exhibit A, Section 3.1: The coverage requirement outlined only specifies 95% service area reliability over the entire Lake County Landmass and political territory. Can you confirm the County is asking for 95% reliability with 100% services area coverage or is a 95% reliability over 95% of the services area?
    Response: See Addendum #2, Response to Question #22.

26. **Question:** Exhibit A, Section 3.1: Given the County has asked to use the TSB-88-C guidelines can you confirm for the 8-point Body Absorption Averaging, vendors should use the TSB-88-C standard body loss assumption of -10dB for 800MHz at the hip on a belt, -9.5dB for on the hip with a swivel clip or is there another value the customer prefers?
    Response: The vendor to provide the values that apply to their proposed equipment. The vendor to demonstrate and verify the body loss values as part of the coverage acceptance plan.

27. **Question:** Exhibit A, Section 3.1: Given that the County is expecting vendors to perform noise floor measurements as part of the Acceptance Testing process post contract award, can the County provide guidance on what noise floor level they would like vendors to assume for designing the system as part of the RFP response.
    Response: The following are values (noise levels measured at the input of tower top amplifier) obtained from the rebanding effort performed in 2011. They are provided as information only and does not relieve the vendor from the coverage guarantee based on the noise floor levels at the time of Acceptance testing process.
    Lake Zurich: -133.8 dBm
    Lake Villa: -130.3 dBm
    Highwood: - 133.5 dBm
    Waukegan: -130.5 dBm
    Gurnee: -132.1 dBm

28. **Question:** Exhibit A, Section 3.5.4: Please confirm if the duration of an emergency call needs to be configured at the network level OR that the call should not be terminated until the user clears the emergency?
    Response: Confirmed. It refers to the amount of time the channel will be open in support of the emergency call and it is configurable at the network level. The alert shall not be cleared unit the user clears it.

29. **Question:** Exhibit A, Section 3.5.4: Please confirm that this function only applies to the radio initiating the emergency or all radios that are part of the group the emergency is declared in?
    Response: It applies only to the radio initiating the emergency.

30. **Question:** Exhibit A, Section 3.5.4: Also please confirm that if the unit used to declare is a mobile, the radio needs to remained powered up even if the vehicle is shut off, meaning the radio needs to be connected directly to the battery and not use any form of ignition sense or control for providing power to the radio?
    Response: The radio in a mobile needs to remain powered up using direct connection to the battery or other control for providing power to the radio.

31. **Question:** Exhibit A, Section 3.5.4: Please confirm who is responsible for clearing the emergency – dispatcher or user initiating the emergency? Please define the operational difference between clearing and acknowledging an emergency?
    Response: The user initiating the emergency clears the emergency. The dispatcher acknowledges the emergency. The acknowledging the emergency by dispatcher does not clear the emergency.

32. **Question:** Exhibit A, Section 3.5.8: Dynamic Regrouping as outlined in the P25 SOR 2.1.2.16 while a mandatory requirement, the actual functional has not been defined by the working group or part of the approved TIA P25 standards. Given this, is the county asking vendors to provide a proprietary solution that will work with their subscriber radios only or that the vendor needs to commit to provide the capability once approved and published as part of the TIA P25 standard?

Response: Vendor needs to commit to provide the capability once approved and published as part of the TIA P25 standard.

33. **Question:** Exhibit A, Section 3.5.16: Could you provide additional information on this requirement as it is unclear how with a simulcast system you would provide this functionality? Are you asking that this type of call take a site out of the trunk simulcast system and used it to make an all call at a site? Please provide more detail on how this type of call would be used and different from an announcement or broadcast call supported within the P25 standard.
Response: The requirement refers to a combination of RF sites and in a simulcast configuration. The simulcast sites would be that combination of RF sites. The County is not requiring a call to take a site out of the simulcast system.

34. **Question:** Exhibit A, Section 3.5.19 – Given P25 Phase 1 is not full duplex nor does the standard allow for an interruption signal, can you confirm you want one radio to be able to interrupt another radio while transmitting? Or are you looking for this level of capability within Phase 2 P25 when a radio doesn't transmit all the time and the messaging allows for signalling this type of commend in between slots?
Response: The County deletes this requirement.

35. **Question:** Exhibit A, Section 3.5.29 – Please provide more detail on what you are looking for here other than that the system must provide call information per the P25 standard? It is unclear how the system could control a radio which has inadvertently affiliated itself to an inappropriate talkgroup. Isn't this more of a system issue or subscriber radio problem and not a feature or functionality of the system?
Response: The County deletes this requirement.

36. **Question:** Exhibit A, Section 3.5.32 – Dynamic (Tactical) Priority as outlined Is not part of the P25 SOR or part of the approved TIA P25 standards. Given this – Is the county asking vendors to provide a proprietary solution that will work with their subscriber radios only OR are the eight levels of Priority required within the P25 standard acceptable as defined?
Response: Vendor needs to commit to provide the capability once approved and published as part of the TIA P25 standard.

37. **Question:** Exhibit A, Section 3.5.33 – This functionality requirement is typically seen in a conventional system and not on a trunked system wherein the dispatcher always has the option to use private (individual) calls. Can you confirm you are looking for this capability on the P25 trunked system or is it only limited to the conventional channels being used?
Response: This should only be applicable to conventional channels.

38. **Question:** Exhibit A, Section 5.3.4.3 – Is the requirement of the NMS system to be compliant with the APCO Project 25 En Network Management End System interface because the County is looking to interface a third-party P25 system with the vendors NMS system or vice-versa interface the vendors P25 system with a third-party NMS system??
Response: The requirement stands as stated.

39. **Question:** Exhibit A, Section 9.0 – To address the redundancy and no single point of failure requirements – If the vendor's system architecture requires use of centralized system controllers, is the County looking for the system controllers to be hot-standby and situated at two separate locations. If so, do both controllers need to be part of the base bid offer price OR can the backup system controller be optionally priced?
Response: If the vendor's system architecture requires use of the centralized system controllers, then the base bid should include redundant controllers in a hot-standby configuration. The vendor shall specify whether the redundant controllers are co-located or are at separate locations.

40. **Question:** Exhibit A, Section 9.0 – If the vendor's system architecture requires use of centralized simulcast controller (TX simulcast equipment/ RX voter equipment), is the County looking for the simulcast controllers to be hot-standby and situated at two separate locations. If so, do both controllers need to be part of the base bid offer price OR can the backup simulcast controller be optionally priced?
Response: If the vendor's system architecture requires use of the centralized simulcast controller and voting equipment, then the redundant equipment can be costed as an option. The vendor shall specify whether the redundant equipment are co-located or are at separate locations.

41. **Question:** Can the County clarify which sections in "Exhibit A – Technical Specifications" require a detailed point by point and compliance/non-compliance response?
Response: All sections.

42. **Question:** Are the existing Alcatel Lucent MDR 8000 radios capable of supporting Ethernet interfaces?
Response: Does not currently support Ethernet interfaces.

43. **Question:** The RFP mentions that the vendor is responsible for any site upgrades required to bring the communication sites in compliance with local codes and standards. Does this requirement apply to leased sites? If they do, then are vendors responsible only for highlighting the required upgrades for these sites or for pricing the upgrades as well? The site owners may have existing agreements with their sub-contractors in which case the pricing will be different from what we will include in the proposal.
Response: For leased sites, the vendors are only responsible that the equipment that they install is in compliance with local codes and standards.

44. **Question:** Can the County provide system diagrams of all the existing BDA systems?
Response: See Addendum #2.

45. **Question:** Can the County provide detailed floor plan layouts of all the critical buildings?
Response: The County has provided plans for those buildings for which they are available.

46. **Question:** Exhibit A, Section 8.1.6 states "The County requires wireless access to the trunked system from various fixed facilities throughout the County.". Please specify the quantity of these control stations and whether these control stations need to be connected to an external antenna or to an indoor mag mount antenna.
Response: Assume quantity 40 control stations and they will require an external antenna. Assume 100 feet of cabling to the antenna.

47. **Question:** Exhibit A, Section 3.5.38, Subscriber Tracking/GPS Location Services (OPTION) - What is the number of GPS Mapping Clients Lake County needs?
Response: 8.

48. **Question:** Exhibit A, Section 3.5.38, Subscriber Tracking/GPS Location Services (OPTION) - How many subscribers will have the GPS functionality?
Response: 500.

49. **Question:** Exhibit A, Section 3.5.38, Subscriber Tracking/GPS Location Services (OPTION) - How many active GPS subscribers will be at any given time and their desired polling rate.
Response: 500.

50. **Question:** Exhibit A, Section 3.5.38, Subscriber Tracking/GPS Location Services (OPTION) - What kind of GIS maps does the County use? Do you utilize ESRI GIS maps?

Response: ESRI.

51. **Question:** Exhibit A, Section 3.5.38, Subscriber Tracking/GPS Location Services (OPTION) - Does the CAD system have a mapping application? If yes, what map system are you using (is that a GIS map or CAD provided map)?
    Response: Yes, The CAD is provided by Geocom and its Mapping system is based on ESRI.

52. **Question:** Exhibit A, Section 3.5.38, Subscriber Tracking/GPS Location Services (OPTION) - During site walks the county thought blue prints of the jail could be provided. Is this still possible?
    Response: They are not available at this time.

53. **Question:** Please confirm per the pre-bid conference that coverage acceptance testing includes DAQ, RSSI, and BER (information only).
    Response: Confirmed.

54. **Question:** Does Lake County desire a Point by Point response to include the original RFP text and a vendor's response? Will the respective headings of each RFP section with corresponding response (no original RFP text) suffice, for example 8.1.4.2 Mobile Equipment Housing?
    Response: Either way will be acceptable.

55. **Question:** Please indicate who you want to connect to via ISSI.
    Response: Another P25 compliant system.

56. **Question:** RFP Section 2, Technical Requirements - Under Production COTS "The table must indicate the Offeror's reference" Please clarify the format, does the county desire a table separate of the point by point? Or a table that replaces the point by point.
    Response: See response to Addendum #2, Question #23.

END ADDENDUM #3

PLEASE SIGN THIS FORM AND EMAIL TO PURCHASING@LAKECOUNTYIL.GOV OR FAX TO (847) 984-5889 WITHIN 24 BUSINESS HOURS. RETURN ORIGINAL WITH YOUR RFP

I will be submitting a RFP_____ or

I will not be submitting a RFP because _____

_____

Sincerely,

RuthAnne Hall
Lake County Purchasing Agent

Acknowledged and Accepted 13231-3:

Signature: _____

Company: _____

_____