

**Jefferson County, WI  
Public Safety Radio System**

***Request for Proposals for  
Public Safety Radio Systems***

ADDENDUM 3

August 23, 2019

**Issued by:  
Jefferson County**

Prepared by:



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## **ADDENDUM 3 – Jefferson County Public Safety Radio Systems**

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### **Additions to the RFP Text:**

None

### **Amendments to the RFP Text: (indicates new text)**

None

### **Deletions to the RFP Text: (indicates deleted text)**

None

### **Documents included with Addendum 3 include the following:**

None

**Answers to questions submitted by close of business August 16, 2019:** Answers are in red.

1. Could the County let us know which frequency pairs the County intends to use in the new P25 system? Frequencies for P25 operation will be the same as those used in analog operation today. The plan is to convert LAW1, EMCOMM1 and FIRE1 from analog to P25 digital operation.
2. How many of the field control stations does the County want to replace? 8 – Four are backup control stations for Jefferson County dispatch positions. The remaining six (6) are for interoperability. Can vendors reuse the existing antennas, feedlines, etc. at these locations? All transmission lines and antennas should be replaced. If there are multiple stations at a single site, a redesign of the antenna system may be considered.

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3. If the bidder proposes an option to replace Mindshare consoles, would this replace Mindshare consoles at both the Main Dispatch Center (Sheriff) and the back-up dispatch center at Watertown? **The County owns the console equipment at the main dispatch center. Watertown equipment does not belong to the County. Although it could be proposed the County would not have the ability to consider or approve such a proposal. If replacement of Jefferson County consoles is proposed the replacement must be 100% compatible with the City of Watertown; have all the same features and have the same functions. Jefferson County and Watertown are a backup center to each other.**
4. On Row 32 of the pricing matrix, there is the following line item: Mutual Aid/Backup Radio Systems with Antenna System.

However, there is no quantity or price required for this entry. Is this an error, or does this indicate that row items #33 – #40 are associated with Mutual Aid/Back up Radio systems with Antenna system? Please verify. **Yes, Row 32 is intended to be a header for the Mutual Aid, Backup stations and receiver systems that appear below in rows 33 through 40.**

5. On the tower drawings in the Consultant Study Report, are the shown antennas the ones currently being used by the County? These photos show multiple antennas, but is the height of the antenna on the tower drawing the one we can use for antennas in our design? **For mutual aid and interoperability stations the antenna system should maintain the current performance. Using the same height and similar antenna patterns will suffice. For LAW1, EMCOMM1 and FIRE1 channels the antenna design must be proposed and the current analog channel must be able to remain in service until cutover.**
6. In order to determine the number of courses needed for each topic, please specify the number of students and shifts anticipated for each group:
  - System managers - **1**
  - Console dispatchers/supervisors - **15**
  - User group/radio users (train-the-trainer) - **75**
  - Technical staff (high-level; first call) - **0**

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7. Could the County specify what frequencies the Harris base stations are transmitting at, and specify how the base stations will be used? **Most of this information can be found in the Study Report in Section 3 and 4.**

LAW1 (154.860000 MHz TX, 158.910000 MHz RX) is an analog VHF repeated channel. Sheriff and most municipal Police departments in the County use the LAW1 channel for their primary LAW communications.

The EMCOM1, Emergency Command, (155.775000 MHz TX, 158.790000 MHz RX) is a VHF repeated channel for public safety communications. The channel also serves as the primary backup channel for all agencies in case of a radio site failure.

FIRE1 (154.370000 MHz TX, 153.770000 MHz RX) is an analog VHF repeated channel. All Fire and EMS departments use this configuration.

MARC1, Mutual Aid Radio Channel, (151.280000 MHz TX, 153.845000 MHz RX) is an analog VHF repeated channel using a single site transmitter and nine voted receiver sites for regional communications. Public safety uses this channel for interoperability with regional and state resources.

IFERN, Interagency Fire Emergency Radio Network, (154.265000 MHz TX/RX) is an analog VHF simplex base station channel used to coordinate Fire mutual aid with local and regional departments.

Point to Point (155.370000 MHz TX/RX) is a simplex channel primarily used for communications among dispatch centers. It is intended for base to base communications only.

VLAW31 (155.475000 MHz TX/RX) is a simplex channel primarily used for communications among Law Enforcement. It is intended simplex mobile to mobile communications.

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8.	Conventional P25 Repeater Station - 25.1.16.1	EMCOM1 Backup		1
	Conventional Analog Base Station - 25.1.16.2 - 7	#FERN, LAW3, MARC1, Backup Paging, Point to Point, VLAW31		6

Are the above items that are called out in the Pricing matrix the same as base stations mentioned in Section 25.1? **The above items are a portion of the backup, replacement interoperability stations and satellite receiver/voter systems that were listed in 25.1.16.1 through 25.1.16.15 only. Any other reference to stations in 25.1 were the three channels to be converted to P25 and simulcast in Section 25.1.4.**

9. On Page 140, Appendix 9 we find the Jefferson County GIS Tower Site Information Map.
  - a. Are these county-owned towers/sites? **No**
  - b. There are two sets of icons:
    - i. What does the blue icon with tower mean? **Tower**
    - ii. What does black icon mean? **Siren**
  - c. Where can we obtain the latitude/longitude and structure heights information for both blue and black icons on Appendix 9? **This information is from the County GIS data.** Does the County have latitude/longitude and structure heights information in Excel or csv format? If so, can you send this information to us?
10. Are the six repeaters that are requested in the pricing matrix are the same 6 repeaters that must replace MASTR III mentioned in the RFP? **Yes.**
11. 25.1.19 Page 74 and Appendix 5. Please provide a list of all P25 capable radios for each agency in appendix 5 to determine how many radios need to have their programming checked and be tested for basic RF specifications and updated to the latest software per section 25.1.19. Would like a list of, Make, Model, and any P25 software features that are enabled in the radio. **The intent of this task is to only check the basic radio performance and ensure that standard templates for channel programming have been implemented. The reference to updates to the latest firmware are meant for the radio owners. If test fails or programming is incorrect, the unit fails. The unit is returned to the owner along with the list of documented failures for resolution. Appendix 5 should be used to obtain the quantity of units to be tested.**

**END OF ADDENSUM**