

ADDENDUM NUMBER 1

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Project: Town of Ludlow – Radio Communications P25 System Upgrade- Project #612R2019

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TO: Vendors

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Delivered: Via Website - [www.ludlow.ma.us/html/business/rfp.htm](http://www.ludlow.ma.us/html/business/rfp.htm)

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Prepared by: ACD Telecom

Dated: March 9, 2020

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This addendum will become part of the Bid documents. Companies submitting a proposal are responsible for inclusion of this information into their submittal package. Receipt shall be acknowledged by inserting the addendum number and its date in the submitted form.

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ADDENDUM NO. 1

See attached 2 pages

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Company Name: \_\_\_\_\_

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ADDENDA:

I acknowledge receipt of Addendum Numbers (if any) \_\_\_\_\_, \_\_\_\_\_, \_\_\_\_\_, \_\_\_\_\_, \_\_\_\_\_

The undersigned certifies that the contract documents, Request for Services document, addenda and specifications have been carefully examined. The undersigned declares that the scope and nature of the work to be done is understood.

\_\_\_\_\_  
Date

\_\_\_\_\_  
Signature

\_\_\_\_\_  
Title

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Addendum # 1 has Three Pages  
END OF ADDENDUM

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**Addendum #1**  
**Town of Ludlow, Massachusetts**  
**IFB # 612R2019**  
**Radio Communications P25 System Upgrade**  
**Posted Monday, March 9, 2020**

Question	Answer
Q1 - In order to ensure we are correctly designing coverage for the Urban-Industrial area, can you provide the Shapefile for the urban area?	<b>A1 - The shapefile will be made available as part of the addendum and posted on the Town's web page. Moreover, per section 6.7 / page # 121 of the IFB, the Urban-Industrial area required an additional 20 dB signal strength on-street for building loss. We have decided to adjust the in-building coverage requirement for the Urban-Industrial area from 20 dB to 18 dB.</b>
Q2 - For Logging Recorder to be proposed correctly, we are needing additional information: Total Number of Call Taking positions and phones that will be recorded? Total Number of Backup phones and Admin phones (if applicable)? Make/Model/Version of the 9-1-1 Call Taker System? Make/Model of the Admin phone system? Call volumes per year and average duration?	<b>A2 - There are a total of 3 call taking positions which are recorded. We are uncertain what is meant by backup phone. No Admin phones will be recorded. Current phone system is NEC. The NexGen 911 system is managed by the State.</b>
Q3 - Will the Town of Ludlow rank proposals higher based on a vendor's proposal that proves better capabilities, experience/references, and overall performance to the system specifications?	<b>A3 - An award will be made as follows:          "An award will be made based on the Bid Price Form to the responsive and eligible bidder offering the lowest total bid price for all items listed in the IFB. The term "lowest responsible and eligible bidder" shall mean the bidder: (1) whose bid is the lowest of those bidders possessing the skill, ability and integrity necessary for the faithful performance of the work; (2) who shall certify that he is able to furnish labor that can work in harmony with all other elements of labor employed or to be employed in the work; (3) who shall certify that all employees to be employed at the worksite will have successfully completed a course in construction safety and health approved by the United States Occupational Safety and Health Administration that is at least 10 hours in duration at the time the employee begins work and who shall furnish documentation of successful completion of said course with the first certified payroll report for each employee; (4) who, where the provisions of section 8B of chapter 29 apply, shall have been determined to be qualified thereunder; and (5) who obtains within 10 days of the notification of contract award the security by bond required under section 29 of chapter 149; provided that for the purposes of this section the term "security by bond" shall mean the bond of a surety company qualified to do business under the laws of the commonwealth and satisfactory to the awarding authority; and provided further, that if there is more than 1 surety company, the surety companies shall be jointly and severally liable [M.G.L. c.30, §39M(c)]."</b>
Q4 - There doesn't appear to be an expansion factor and runtime spec for the generator. Would it be acceptable to propose the same runtime as UPS and with a 20% expansion factor?	<b>A4 - The Town is receptive to alternative designs if deemed necessary. The only place we might use an existing generator would be at the Police Department as we do not own the generators at the other 2 sites.</b>
Q5 - The 3 copies of proposal documentation that is required to be submitted is too large for an envelope is a sealed box acceptable?	<b>A5 - Yes.</b>
Q6 - At the Nash Hill Reservoir site what are the locations acceptable for placement of a shelter, Generator, and possible new tower if existing one cannot be modified?	<b>A6 - The Town expects eligible vendors to survey potential sites such as, but not limited to, Nash Hill Reservoir, during tower site visits phase to determine the feasibility, accessibility and capacity of each potential site as part of their design.</b>

<p>Q7 - Section 3.7.2 Minechoag Fire Tower – 2nd paragraph states “discussion with MA-DCR will need to take place to determine what arrangements can be made to facilitate a proper antenna support structure at this site”. When will this take place? As we cannot plan something that is not allowed.</p>	<p><b>A7 - There are a number of tasks that need to be completed before DCR can issue a High Ground Permit for this project, subject but not limited to the following:</b></p> <p><b>1. Apply for a Construction Access Permit (CAP):</b>  <b>An executed High Ground Permit from this office is required before any construction can start even if you have a Construction Access Permit. The (CAP) permit only gives you permission to enter DCR property and do the work necessary to complete your project as described in the Special use High Ground Permit.</b></p> <p><b>2. Construction drawings will also be required. These must be signed and stamped by a Registered Professional Engineer.</b></p> <p><b>3. You will need to do a structural analysis on the tower as well as an intermodulation frequency study.</b></p> <p><b>The following contacts are provided for research and development:</b></p> <p><b>1. Dan Cushing, Dept. of Conservation and Recreation</b>  <b>Office of Government Affairs</b>  <b>Tel: (617) 626-4989</b>  <b>E-Mail: Daniel.Cushing@mass.gov</b></p> <p><b>2. Phil Holbrook, High Ground Program Coordinator</b>  <b>Long Term Permits and Leases</b>  <b>Tel: (617) 626-1496</b>  <b>E-Mail: Philip.Holbrook@state.ma.us</b></p> <p><b>3. Sean Casey, Director, Construction Access</b>  <b>Department of Conservation and Recreation</b>  <b>Tel: (617) 626-1444</b>  <b>E-Mail: Sean.Casey@state.ma.us</b></p>
<p>Q8 - Referencing section 5.6 Microwave System Requirements, will the town accept a more modern split mount microwave system design instead of the older style all indoor system as described in section 5.6, this will be less cost and less maintenance over time?</p>	<p><b>A8 – The Town is willing to review alternate designs by vendors. For clarification we are no longer using 900MHz since transitioning to simulcast.</b></p>
<p>Q9 – “Proposed microwave equipment is compatible with existing equipment”. What do you mean by “compatible”? Also, can you provide the model number of your existing 900MHz equipment? Are you running T1s?</p>	<p><b>A9 – This row will be removed in its entirety.</b></p>
<p>Q10 - Do you want the microwave to have T1 capability, or all Ethernet?</p>	<p><b>A10 - All IP MPLS Ethernet.</b></p>
<p>Q11 - What capacity do you want on the microwave backhaul?</p>	<p><b>A11 - The proposed P25 system should include at least 50% growth.</b></p>
<p>Q12 - Are you planning on cutting over to the new microwave prior to installation of the radio system? So there would be some period of time that the old radio system would run on the new microwave?</p>	<p><b>A12 - The intention would be to build the new MW and P25 systems along side in parallel.</b></p>
<p>Q13 - Do you want Hot Standby protection for microwave radios in the ring priced separately?</p>	<p><b>A13 - If you want to show HSSB as an optional line item, the Town would have no objection to that.</b></p>
<p>Q14 - “Any proposed microwave equipment matches the quality, capacity and specifications of the existing microwave system”. We believe you would want higher capacity than the existing microwave system? Also more features are going to be available in a 6-38GHz licensed system than existing in a 900MHz system. But we need to see the specifications of the existing system to match this.</p>	<p><b>A14 – This row will be removed in its entirety.</b></p>