

## Purchasing

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**Procurement Manager**



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February 3, 2010

**ADDENDUM #2**  
**RFP # 02232010-1400**

**SHERIFF'S OFFICE EMERGENCY COMMUNICATIONS CENTER (ECC)**

This Addendum # 2 is issued to provide answers to questions received by February 2, 2010.

This Addendum consists of one (1) item as detailed below:

**1. Questions & Answers**

Q1: Regarding the console furniture, please clarify if the County requires four radio workstation and four separate 911 phone workstation positions for a total of eight workstation positions, or if the intent was to have four workstation positions each containing both a radio and 911 phone console. Please provide the room dimensions and floor plan for the new ECC Dispatch area.

**A1: Four (4) workstations total to include radio & 911. A Plans/Specifications CD will be distributed at the Pre-Proposal meeting.**

Q2: Please provide information for the EMS tower, i.e. latitude, longitude, height, type of structure, ownership, etc.

**A2: EMS tower is a 308' self supporting structure. Longitude = 77.11.56, Latitude = 38.17.05.**

Q3: Regarding the four backup control stations, please clarify if the intent was for these stations to be located with the console equipment in the ECC (one at each of the radio operator positions), or are they to be installed in the back room and be remotely controlled from the console.

**A3: The backup control stations should be physically located within the ECC server room and remotely operational from the console.**

Q4: Regarding the new 120' Self Supporting Tower, please clarify if the County requires any additional antenna and transmission lines (loads) to be engineered into the tower design beyond the microwave and control station antennas already specified. If so please identify the required additional tower loads (antenna make, model, transmission line size, height required, azimuth, side mount arm lengths, etc.). Are the EIA/TIA-222-G standards being used and does the County require more stringent wind speed or radial icing requirements than the EIA/TIA-222-G standards? For the purposes of the bid, will bidders be required to use clay or sandy soil conditions as defined by EIA/TIA-222-G for calculating the foundation estimates. The County should require the successful vendor to perform an actual soil boring & analysis prior to developing the final foundation design. The results of this testing should be used to negotiate the final foundation design and its cost between the County and the vendor.

**A4: A soils survey has been done by Draper Aden, under the WRA site work. Anything additional shall be the responsibility of successful Offeror including cost for additional soils testing. The County will supply a testing agency at the County's cost, for compaction testing during construction. Soil studies for the site are available from Draper Aden Associates.**

Q5: Regarding the four in-car camera download posts, please clarify the make and model of camera systems these units are to support. Are the camera systems downloaded by a wired connection or wirelessly by 802.11 hotspots?

**A5: The electrician will run the conduit and install an outlet box along the outer wall to connect to the camera system. There will be no need to install a post or move any equipment.**

Q6: Regarding the Digital Upgrade of the Sheriff's Channel, please clarify the intent of this requirement. Is the intent to make the Sheriff's channel a fully operational P25 only channel, or a P25/analog mixed mode channel? Please provide a description of the existing system, including the equipment make and model, the system age, frequencies used, etc. Does this upgrade requirement include the subscriber radios as well (mobiles, portables, control stations)? If subscribers are included please provide a count of each subscriber type. Is encryption required as a part of this upgrade, and if so what standard should be used (DES, AES, etc.)?

**A6: P25 mix. Our current radio system is Motorola Centracom Gold Elite. Mobiles and portables would not be included in the digital upgrade.**

- Q7: Regarding the Bi-directional amplifier, please clarify the building or building area which this unit is to serve and supply a floor plan of the area to be covered by the BDA system. Should this system incorporate any frequencies other than the VHF sheriff's channel, if so what frequencies?
- A7: Details of bi-directional amplifier included on Plans/Specifications CD to be distributed at the Pre-Proposal meeting. Amplifier shall cover cell phones, laptops and portable radios.**
- Q8: Regarding the Net Clock, please clarify if the CAD and Mapping Servers are required to interface to the NET Clock in addition to the 911 and radio console systems. If so what type of time input port and format string can they support?
- A8: CAD server will interface with Net Clock. Uncertain, at this time, of string and port requirements.**
- Q9: Regarding the equipment to be relocated to the new ECC (Motobridge, MOSCAD, VCIN, NICE Logging Recorder, CAD, Mapping servers, racks and desktop computers), are the existing equipment racks which are to be relocated sufficient to meet the space requirements for housing all the back room equipment that is to be relocated to the ECC?
- A9: Existing equipment, yes. Offeror to determine if ECC server room can accommodate additional equipment based on the Plans/Specifications CD to be distributed at the Pre-Proposal meeting.**
- Q10: Regarding the new microwave equipment, please clarify if there is a technical reason why the link was specified to operate at 18 GHZ. Is the County willing to consider any other microwave band provided the link is engineered to provide 99.999% public safety grade reliability?
- A10: No answer at this time.**
- Q11: Regarding the E911 system requirements, are there any ring down circuits that need to be included along with the nine 911 trunks and six administrative Caller ID lines? Who is providing the database for the E911 system? Does the County require a management/reporting system to be supplied as a part of the E911 solution?
- A11: No ring down circuits required. Verizon controls the E911 subscriber database. The Sheriff's Office does require a management/reporting system to be supplied with E911.**

Q12: Regarding the radio console system, is any expansion required beyond the four channel interfaces providing eight conventional channels, i.e. is there a minimum capability for expansion required in the console electronics shelf beyond four console positions and eight radio channels? How many I/O ports (contacts) are required on the console system?

**A12: Specifications and management requirements are on the Plans/Specifications CD to be distributed at the Pre-Proposal meeting.**

Q13: Regarding the VHF Consolettes, what encryption standard is to be supported, i.e. DES, AES, etc.?

**A13: King George County Sheriff's Dept. does not currently use encryption. If encryption were to be used, it would be DES.**

Q14: Regarding the Low Band Radios and Desksets listed in Section 4.1, please clarify the work elements associated with these devices. Are they to be relocated, interfaced to, supplied as a part of this RFP, etc.?

**A14: The Low Band Radios and Desksets are to be supplied as a part of the RFP.**

Q15: Regarding the Motobridge, does the relocation of this device include the interconnected radio equipment? If so, please supply a list of the interconnected radio equipment.

**A15: Motobridge is interconnected to our radio equipment and accessible on the console.**

Q16: Regarding the 120' tower's civil work, will the County's Project Manager assist with negotiating the required internal county approvals for the tower construction?

**A16: The County has a Construction Manager on site who will assist with approvals and information.**

Please acknowledge receipt of this addendum by signature below and inclusion in your proposal submission.

*Kelly S. Dixon, CPPB, CPPO*

Kelly S. Dixon, CPPB, CPPO  
King George County Procurement Manager

I acknowledge receipt of Addendum # 2

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Signature

Name of firm represented