

FAUQUIER COUNTY PROCUREMENT DIVISION
On behalf of Fauquier, Culpeper and Rappahannock Counties
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October 23, 2015

ADDENDUM NO. 1 TO ALL RESPONDENTS:

5 pages, total

Reference – Request For Proposals: RFP# 20-16sm
Title: Public Safety Radio System Upgrade
Dated: September 30, 2015
Sealed Proposals Due: See Below

A. The following revisions/clarifications are made to the original Request For Proposals noted, based on the Mandatory Pre-Proposal Conference held at the Culpeper Emergency Operations Center at 2:00 p.m. on October 15, 2015 and, questions received to date:

1. Mandatory Pre-Proposal Sign-In/Attendance sheet posted on Fauquier, Culpeper and Rappahannock websites, and on eVA.
2. Based on Respondent requests, please note the new proposal due date and time:
Sealed proposals due in the Fauquier County Procurement Div. no later than 2:00 p.m. January 19, 2016.
3. Site Visits: several Respondents requested information on scheduling site visits to the Warrenton Training Center (WTC) and other tower sites throughout Fauquier and Culpeper counties. WTC Access Forms and the Instructions were e-mailed to all Respondents in attendance at the MPPC on 10/16/15. Respondents are reminded to complete and return their forms, along with the required letter from the Respondent's Manager, HR Office or Security Representative on the Respondent's letterhead (one letter may be provided for all forms submitted from that Respondent). **In order to permit sufficient time for WTC to process forms, WTC Access Forms & Required Letter must be submitted to Susan Monaco, Procurement Manager, no later than Friday, October 30th.** Details on where those registered for Site Visits will meet, will follow upon receipt of the completed forms/letter. *Hard hats are mandatory on all site visits; please come prepared with yours.*

Based on that deadline, Site Visit Schedule is as follows:

November 10, 12 & 13, 2015 (November 11th is a holiday)

4. Deadline for RFP Questions, based on revised Due Date: 2 p.m. December 5, 2015
5. Offeror Questions, Responses to date: See Page 2-5.

All other specifications, terms and conditions remain unchanged.

Note: A signed acknowledgement of this addendum must be received by this office either prior to the proposal due date and hour or attached to your proposal. Signature on this addendum does not substitute for your signature on the original RFP document. The original RFP document must be signed.

Susan R. Monaco

Susan Monaco, CPPO, CPPB
Procurement Manager

ACKNOWLEDGEMENT:

Name of Respondent

RFP Respondent Questions and Counties Response:

1) RFP Reference: Page 2 *Instructions*

a. Will the County be having site walks?

Site walks are expected to be conducted between 11/10/2015 and 11/12-13/2015.

b. How long will vendors be able to ask questions?

The Counties will respond to written questions received no later than 2 p.m. December 5, 2015.

2) RFP Reference: Section 1.1 Page 6 *Introduction*

What is the legacy capabilities requested to retain?

The interoperability gateway devices, found in *Section 3.8.7 – Interoperability Gateway Devices*, should allow for the system to control 16 legacy base stations/repeaters. These gateway devices shall satisfy the requirement of “legacy capabilities requested to retain”.

3) RFP Reference: Section 1.3.B.1 Page 10 *Project Summary*

The RFP requires guarantee of Grade of Service (GoS) for the proposed radio system. Please provide the system parameters for Fauquier and Culpeper counties respectively to model Grade of Service (GoS) which includes but not limited to:

- Number of Talkgroups - FDMA, TDMA and DDM
- Number of channels - FDMA, TDMA and DDM
- Arrival rate per Talkgroup
- Call duration / Message length for Talkgroup
- Number of Units per Talkgroup
- Channel access method per Talkgroup
- Also please define the desired GoS level for the system.

GOS requirements should be calculated using the subscriber totals, from the inventory contained in the RFP documentation, for each county in FDMA mode with an average of 8 seconds per call. The desired GOS is not defined in the RFP. Vendors shall provide their guaranteed GOS based upon their provided GOS calculations.

4) RFP Reference: Section 3.1.A Page 24 *Radio System Overview*

Please provide the list of 700MHz frequencies licensed to the Counties. How many of the 700MHz frequencies are intended for use in the system?

The counties do not currently have any 700 MHz frequencies licensed for system use. Current 800 MHz licenses are WPSK364 and WQAY935. Vendors shall reuse existing 800 MHz frequencies, use allocated 700 MHz frequencies, or a mixture of both in designing their proposed system. Decision factors utilized to determine spectrum use shall be provided in the proposal.

5) RFP Reference: Section 3.1.D Page 24 *Radio System Overview*

Is the microwave backhaul network requirement of 150 Mbps throughput aggregate or for each direction?

Each microwave hop shall be capable of 150 Mbps full duplex operation, transmit/uplink 150 Mbps and receive/downlink 150 Mbps.

6) RFP Reference: Section 3.1.E Page 24 Radio System Overview

Does the County require a single service area for Fauquier and Culpeper for the 95% coverage requirement or two service areas, one for each County and the vendor must pass an independent test for each County? Please define the service area boundaries for Fauquier, Culpeper and Rappahannock counties.

The service area boundaries are the geographical boundaries of each County. Coverage testing shall show that 95% of each County's geographical area is provided with a DAQ of 3.4, or better.

7) RFP Reference: Section 3.3.A Page 25 Redundancy and Survivability

Would the County clarify the requirement for "high degree of redundancy and survivability"?

The level of redundancy and survivability shall be determined and detailed by each responding vendor. Section 3.3.B details that the following items require redundancy: Core equipment, backhaul network, power systems, simulcast control equipment and voting equipment.

Vendors are expected to provide a solution that meets the vendor's definition of "a high degree of redundancy and survivability".

8) RFP Reference: Section 3.6.G Page 29 Existing Site Development

Tower structural evaluations are commonly performed following contract award. Only a limited visual inspection is possible during formal site evaluations. Tower companies also have a general requirement that both structural evaluations based on current and proposed loading be performed by their contractors. This cost and any required remediation will be billed to the lease holder. Does the term "SELECTED VENDOR" imply that coordinating these activities is the responsibility of the Selected Vendor and any determined costs will be handled through the change order process on site-by-site basis?

The selected vendor shall be responsible to conduct the structural analysis based upon current and proposed equipment after the detailed design phase. The costs associated with these activities shall be included in the proposal.

In the event a tower fails this analysis, the following actions are anticipated:

1. The selected vendor shall provide a modification report detailing the materials and labor required to modify the tower.
2. The selected vendor shall provide an estimate for modifying the tower based upon the modification report.
3. The County will determine if a change order will be issued for tower modifications, or if a third party vendor will provide modifications based upon the modification report.

9) RFP Reference: Section 3.6.J Page 29 Existing Site Development

Performing a ground resistivity test and evaluating existing sub-surface grounding at existing sites is generally not part of the preliminary site evaluation process. Does the term "SELECTED VENDOR" imply that any estimate based on presumptive conditions requiring subsequent remediation or design changes will be handled through the change order process on a site-by-site basis?

For the proposal, vendors may assume that a ground resistivity test would provide adequate results, however site grounding conditions can be observed during site walks. It is expected that vendors will be providing all new equipment leaving only the existing site grounding conditions to be verified. During site walks vendors should be able to determine if the existing shelters, towers and compounds are grounded to their grounding standard.

10) RFP Reference: Section 3.6.L Page 30 Existing Site Development

To what degree should each proposer plan on addressing "SELECTED VENDOR" requirements in their proposal response? To perform the required analysis and handle any unknown remediation at time of proposal as a change order?

Question is unclear. Respondents are expected to provide a proposal that encompasses all costs associated with the procurement and implementation of a new radio system. Proposals containing potential change orders may be graded lower than proposal without.

11) RFP Reference: Section 3.7.D Page 32 Coverage

RFP requires that there shouldn't be large number of contiguous grids or cells in a highly populated area. Please provide the boundaries or size of the uncovered areas. Please define the number of contiguous grids or cells in an uncovered area that will determine the coverage test failure.

A system that provides 95% coverage will have an uncovered area of 5%. It is expected that this 5% of uncovered area will be spread out throughout the county and not within a single area.

12) RFP Reference: Section 3.7.1 Page 32 Coverage Model and maps

Does the County require all vendors to use the values specified in TSB-88 to ensure compliance with the standards for the proposed system and coverage test?

Section 3.7 Coverage, paragraph E – Coverage design, implementation, and testing for the system shall adhere to the latest revision of Telecommunications Industry Association (TIA) Telecommunications Systems Bulletin (TSB) #88.

13) RFP Reference: Section 3.8.3.B Page 35 Receiver Voting

Please confirm the County requires primary and secondary geographically diverse voting equipment. This was requested as an option in section 3.3.B.4.

Section 1.4 Proposals Desired, paragraph D. Proposal Options: Requirements described as an "OPTION" or "OPTIONAL" refer to features or equipment that may or may not be purchased by Counties, or items whose quantities are not determined yet. RESPONDENTS are required to respond to all OPTIONAL requirements

Respondents should propose diverse voting equipment with geographical diversity.

14) RFP Reference: Section 3.9.1.U Page 42 Dispatch Consoles

Would the County specify all existing systems?

See response to question #2.

15) RFP Reference: Section 4.1 Page 52 Digital Microwave Network

Does the county require two separate microwave rings for Fauquier and Culpeper counties or one microwave ring network for all the counties with 99.999% availability?

Vendors may propose either a single ring, or multiple rings that provides ring protection to all sites and 99.999% availability.

16) RFP Reference: Section 5.1.B Page 56 *Subscriber Equipment*

The County has specified potential subscriber equipment that may be purchased as part of this procurement. The County has also provided the inventory of existing equipment. Would the county please specify the subscribers that must be upgrade to P25 FDMA as part of this procurement? Are vendors to include the potential subscribers as part of our base offering?

Respondents shall provide unit pricing for each tier of radio and any quantity discounts that may apply. Respondents are welcome to provide pricing based upon the potential subscriber list, or the provided inventory list.

17) RFP Reference: Section 5.2.4.B Page 64 *Fire Station Alerting*

What is the desired configuration of the Paging and Fire Station Alerting system? Will this be a single system overlaying all 3 Counties or 1 system per County or other configuration?

Paging and Fire Station Alerting shall be designed as one system per county.

18) RFP Reference: Section 5.2.4.B Page 64 *Fire Station Alerting*

Will the County specify the features and functionality utilized today?

Two-tone voice

19) RFP Reference: Section 7.1.B Page 90 *Training*

Would the Counties provide the number of students for each training discipline required?

Respondents shall provide pricing based upon class sizes less than, or equal to 10 students and 10 to 20 students per session.

20) RFP Reference: Section 8.7.5.C Page 99 *Coverage Testing*

Please specify the portable configuration for the proposed system and this coverage test.

Portable talk-in should be considered as transmit at head level and portable talk-out as receive at hip level.