



Orange County
Financial Services Department
ADDENDUM #3
February 23, 2016

RFQ 5217
Countywide Radio Communications Interoperability And Systems Engineering Services

To all Vendors:

Modifications to bid documents for the above-named Request for Proposal are made as follows and shall be included in the proposed amount.

Questions received with County's responses are on pages 2-4 of this document

All other terms and conditions shall remain the same

By: David E. Cannell, Purchasing Agent; dcannell@co.orange.nc.us / (919) 245-2651

Acknowledgement of receipt of this addendum shall be included with your submittal

Company Name: _____

By: _____

Date Received: _____

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Telephones: Area Code 919-245-2651 Fax: 919-636-4913

1.0 General Information

1. B Scope of the Project

B.1.3 Background

RFP Statement: The Orange County Emergency Communications Center currently dispatches law enforcement, fire, EMS and all County and local municipality users.

Question: Will you provide a list of all county and local municipality users dispatched by the Emergency Communications Center?

Current VIPER System users:

Law Enforcement – Orange County Sheriffs Dept, Chapel Hill Police, Carrboro Police, Hillsborough Police

EMS – Orange County EMS, South Orange Rescue Squad

Fire Departments – Municipal – Chapel Hill Fire, Carrboro Fire, Hillsborough Fire

Volunteer/Mixed – Efland Fire, Eno Fire, New Hope Fire, Orange Grove Fire, Cedar Grove Fire, Caldwell Fire, White Cross Fire, Mebane Fire, North Chatham Fire

Additions with this system:

Orange County Animal Control, Orange County Solid Waste, Orange County Transit, Orange County Asset Management

all Town of Chapel Hill, Town of Carrboro, Town of Hillsborough departments and OWASA (a private water system within the county.)

Question: Are there other dispatch centers including back-up dispatch centers to be included in the Scope of Work for this project? If there are other dispatch centers, will they be included in this project and will the County considering a detailed dispatch center consolidation assessment plan as part of this project?

UNC Public Safety dispatch is within our jurisdiction that handles law enforcement, security, parking for UNC Chapel Hill. We are currently working out back up plan with Alamance County.

RFP Statement: In addition to the VIPER and County VHF Paging systems, there are numerous other radio systems in operation within the County that are in various stages of decay. Solid Waste, Orange County Transportation and local governments to include Towns of Carrboro, Chapel Hill, and Hillsborough operating their own, distinct radio systems for various systems such as Public Work, Transit, Schools, etc. The Orange Water and Sewer Authority (OWASA) also operates a distinct radio system.

Question: Are there any other radio or other systems not included in this list that will be included in the project to include SCADA, mobile data, automatic vehicle location, records management, CAD, etc. that exists today that will be required in the systems assessment and recommendations for upgrade or inclusion in assessment report? All mobile data at this time is handled by consumer LTE. The county has started a broadband initiative, so LTE integration may be welcomed.

Question: How many agencies or entities will the consultant be interviewing during the needs assessment phase? There is a radio system workgroup that would be the majority of the interviews, but interviews with all partner agencies may be warranted.

RFP Statement: While the County has conducted numerous studies of radio communications, none of these studies has been definitive. None of these studies have provided enough information to provide a clear direction for the policy makers and decision makers in the County to identify a solution to the problem.

Question: Will all of studies be provided to the firm chosen for this project and will these studies be in electronic or paper format for internal distribution to the project team? Is there an Orange County Tactical Interoperable Communications Plan and/or a Regional Tactical Interoperable Communications Plan available for review by the firm chosen?

5.0 Scope of Work

5. A Introduction and Definitions

Bullet 2:

RFP Statement: 2. Communications infrastructure backbone (microwave, fiber, or other)

Question: Does the County own any infrastructure backbone (microwave, fiber, or other) or are all systems operating on the VIPER microwave infrastructure? The County does own legacy vhf/uhf system, but as part of this needs assessment that needs to be built out. Most of current infrastructure does belong to VIPER.

Bullet 3:

RFP Statement: 3. New and/or upgrades to existing towers, supporting buildings, and backup power.

Question: It is understood that the Authority (OWASA) also operates a distinct radio system. Does this system operate on VIPER towers, on Authority owned towers, County owned towers, or do they have equipment co-located on towers owned and operated by other entities?

Question: Are there any Authority SCADA requirements that need to be addressed during this effort? **This would be based on the needs of services, such as OWASA, in using radio to control valve openings, etc. and would need to be incorporated in the interview process.**

Question: How many towers are included in this project that are not owned and maintained by the County other than the VIPER towers? **The 5 current VIPER towers are not owned by the County, plus based on needs assessment there is funding per year for up to three more towers based on previous coverage maps.**

Bullet 5:

RFP Statement: Voice paging infrastructure

Question: Does the current voice paging system have antenna sites independent of the VIPER towers and if so are they located on towers owned by the County? **No, they are on the same towers.**

Question: How many sites are used to transmit the voice paging system? **2 which are not providing proper coverage.** |

Bullet 6:

RFP Statement: Fire and EMS station alerting infrastructure

Question: Do all entities and Fire/EMS departments utilize the same station alerting infrastructure and if not, how many are included in this project? **The only current station alerting in place station radios with tones. We would like to look at what "basic" infrastructure would be needed to get all EMS/Fire departments on the same station alerting infrastructure.**

Question: Is the Fire and EMS alerting infrastructure defined at the station location as the receiver only or will the County require the report to include the building functions (bells, lights, door operations, gas shut-offs, etc.) as part of the infrastructure? **The County, Fire depts., and EMS are currently looking at Station Alerting solutions, but can be included.**

5.0 Scope of Work

5. B Study Expectations

Question: **In several instances, the RFP mentions agencies and user entities whose input will be required during the needs assessment phase. To assist our understanding of the level of effort, can a quantity of agencies /entities, or a list, be supplied? See Above.**

Section 3.a

RFP Statement: Frequency range (low band, high band, UHF, 700, 800) and analysis of spectrum availability within each frequency range.

Question: Are frequency searches expected or required for the analysis of spectrum availability within each of the listed frequency bands? **Yes – but more interested in your providing what frequencies are available for licensing within the recommended frequency range.**

Section 3.h.ii

RFP Statement: Interoperability with adjoining County Emergency Service entities (for adjoining County units responding into Orange County, and for Orange County units responding into adjacent Counties).

Question: Which adjoining counties are included in the requirement of interoperability? **Durham, Alamance, Person, Chatham, Caswell, and State VIPER system**

5.0 Scope of Work

5. C Work to be Performed

Bullet 9

RFP Statement: Create and submit computer aided design (CAD) drawings as required.

Question: If computer aided drawing are necessary, may drawings be supplied via the Visio software drawing application? **Yes and should be exported as a PDF document.**

5.0 Scope of Work

5. D Deliverables

Bullet 6: A vendor-neutral RFP, including recommended tower requirements suitable to be released to the vendor community for the purposes of procuring the approved alternative.

Question: Does the County desire tower structural analysis reports, tower modification drawings, and greenfield tower requirements to be included in this effort? **Yes to all except need clarification of greenfield tower sites.**

1. **Question 4, Addendum 1** asks the County to identify their expected dates for the completion of the assessment and RFP. The answer to question 4 in Addendum 1 states:

"The work defined by the RFP is budgeted in this fiscal year's budget. As stated in the RFP we want respondents to propose a timeline based on the County's budget (CIP) process."

The link provided in the addendum states *"the first year of the CIP's budget is adopted in June, in conjunction with the operating budget"*

a. Does Orange County require that the consultant complete all needs assessment, alternatives analysis and budgetary estimation tasks for inclusion in the CIP process in May-June 2016? **No, however the cip is for long range budgeting, so any information within those time constraints would be helpful**

2. **RFP B.1.3—Background** states the following:

"In addition to the VIPER and County VHF Paging systems, there are numerous other radio systems in operation within the County that are in various stages of decay. Solid Waste and Orange County Transportation and local governments, including the Towns of Carrboro, Chapel Hill, and Hillsborough operate their own, distinct radio systems for various services such as Public Works, Transit, Schools, etc. The Orange Water and Sewer Authority (OWASA) also operate a distinct radio system."

a. Will the County provide a list of the agencies that will need to be interviewed as part of the Needs Analysis phase of the project? **See above**

b. Will the County identify which if any of the other "numerous radio systems" will also need to be assessed as part of this project? **See above, question asked prior.**