

ANSWERS TO VENDOR QUESTIONS – ROUND #1

1. The RFP indicates that Collin County wants Factory Acceptance Testing to be completed. Will Collin County also want to perform and on-site witness testing for all the bullets in Addendum 1, page 29 of the RFP?

The bullets listed on page 29 of the RFP are not intended to describe the Factory Acceptance Testing. The language in Section 10 of the RFP is the sole source for Acceptance Testing language.

2. In Section 4.1 it states the current trunked system must remain operational with the new P25 system. Does this mean that the MW system will also will need to be operational at the same time as the current MW system? This will indicate additional tower loading and new frequency to be found.

The existing microwave system and the new microwave system will both be operational for a period of time during cutover and the 30-Day Operational test. This also means that the four existing towers will need to accommodate the loading of both microwave systems for the same period of time.

3. In Section 4.4.4, item 3, DVR requirements. Will live viewing of cameras off-site require the video stream to be backhauled via the MPLS MW infrastructure, to a web server within the Dispatch Center?

Web-based live viewing of the cameras is required in the Facilities Maintenance Department Central Plant Control Room, but not in the Dispatch Center. The video will be backhauled via the MPLS Microwave infrastructure.

4. Section 5.3.4. The RFP indicates where the two NMS terminals will be located. Does the term “terminals” indicate the RFP requires the need to have server redundancy at both of the locations, or user access (ie. A PC with client software) at both locations?

The word “terminal” means a Network Management Client (a PC with client software) and does not mean server redundancy.

5. Radio Tower Basic Requirements and Loading – references 4.1.1b, but this table doesn't exist. This paragraphs references a “Farmville” and a “Melisa” site and indicates a 350' tower at Melisa. The table 4.1.1a which summarizes the sites includes Farmville, but doesn't have Melisa. The only other new tower listed in table 4.1.b is at Copeville at 300'. Please clarify if there is a Melisa site and what the tower type and height is?

There were some last minute changes to the site configuration, and there is no Melissa site. Table 4.1a depicts the final site configuration. The sites in Table 4.1a should be used in your primary proposal response.

6. Who are the site owners of the seven add-on sites? Who owns the existing towers & water towers?

The table below depicts the site/property owners.

Site Owners		
	Site	Site Owner
1	Wilmeth Road	Collin County
2	Farmersville	Collin County
3	Copeville	Collin County
4	Verona	Collin County
5	Celina	Collin County
6	Allen	City of Allen
7	Anna	City of Anna
8	Plano – Comm Pkwy	City of Plano
9	Plano – Avenue N	City of Plano
10	Princeton	City of Princeton
11	West McKinney	City of West McKinney

7. Section 4.1 paragraph 2 notes that the shelter's electrical and HVAC systems must support both the old and the new system for a period of time. What are the AC loads on the current Collin County sites (Wilmeth Road, Copeville, Verona, Celina)?

The current RFP language requires that new equipment shelters be proposed at all sites. The RFP language is now being modified to require that new equipment shelters be proposed at all sites except Copeville and Verona. Existing shelters shall be used at the Copeville and Verona sites. As demonstrated at the site visits after the Pre-Proposers Conference, the Copeville and Verona equipment shelters are newer shelters in which expansion was pre-planned. There is ample room for the new equipment. An expansion row has been pre-wired. The current electrical panels, HVAC systems, and transmission line cable entry ports will support both the existing and new systems.

The County has provided updated Price Pages below to reflect the changes to the Copeville and Verona sites.

13.6 SIMULCAST SITE #3 - REMOTE SITE

Simulcast Site #3: Remote Site – Copeville <i>Eight P25 Phase 2 Channels (14 Talkpaths)</i>			
Description (please add text to make more descriptive to system proposed)	Qty	Unit Cost	Extended Cost
Simulcast Remote Site Base Stations	8	\$	\$
Simulcast Remote Site LAN, WAN Equipment	Lot	\$	\$
Simulcast Remote Site Sync/GPS Equipment	Lot	\$	\$
Simulcast Remote Site Antenna System	Lot	\$	\$
Simulcast Remote Site Alarm Monitoring Equipment	1	\$	\$
Simulcast Remote Site UPS with 4 Hour Full-Load Backup Time <i>(state size and full load backup time here)</i>	1	\$	\$
Simulcast Remote Site Outdoor Diesel Generator <i>(use existing generator)</i>	0	\$	\$
Simulcast Remote Site Tower 300' Self-Supporting <i>(state tower manufacturer)</i>	1	\$	\$
Simulcast Remote Site Equipment Shelter <i>(use existing shelter)</i>	0	\$	\$
Security System (Cameras / DVR System and Lighting)	Lot	\$	\$
Grounding Upgrades Required by Proposer (indoor and outdoor)	Lot	\$	\$
Simulcast Remote Site – Site Civil Work	Lot	\$	\$
Services: Installation, Project Management, Engineering, Optimization, Programming, and other Services Related to Simulcast Remote Site		\$	\$
Total Simulcast Site #3 (Copeville Remote Site) Equipment and Services			\$

13.7 SIMULCAST SITE #4 - REMOTE SITE

Simulcast Site #4: Remote Site – Verona <i>Eight P25 Phase 2 Channels (14 Talkpaths)</i>			
Description (please add text to make more descriptive to system proposed)	Qty	Unit Cost	Extended Cost
Simulcast Remote Site Base Stations	8	\$	\$
Simulcast Remote Site LAN, WAN Equipment	Lot	\$	\$
Simulcast Remote Site Sync/GPS Equipment	Lot	\$	\$
Simulcast Remote Site Antenna System	Lot	\$	\$
Simulcast Remote Site Alarm Monitoring Equipment	1	\$	\$
Simulcast Remote Site UPS with 4 Hour Full-Load Backup Time <i>(state size and full load backup time here)</i>	1	\$	\$
Simulcast Remote Site Outdoor Diesel Generator <i>(use existing generator)</i>	0	\$	\$
Simulcast Remote Site Tower <i>(use existing tower)</i>	0	\$	\$
Simulcast Remote Site Equipment Shelter <i>(use existing shelter)</i>	0	\$	\$
Security System (Cameras / DVR System and Lighting)	Lot	\$	\$
Grounding Upgrades Required by Proposer (indoor and outdoor)	Lot	\$	\$
Simulcast Remote Site – Site Civil Work	Lot	\$	\$
Services: Installation, Project Management, Engineering, Optimization, Programming, and other Services Related to Simulcast Remote Site		\$	\$
Total Simulcast Site #4 (Verona Remote Site) Equipment and Services			\$

ANSWERS TO VENDOR QUESTIONS – ROUND #2

1. Please provide the .SHP files defining the bounded areas of coverage within the RFP.

Custom Shape Files have been developed by the Collin County GIS department that represents the RFP's desired radio coverage levels shown in Figure 3.3a. These shape files are available by emailing a request to Sara Hogland.

2. Please provide the price pages in Microsoft Excel or Word format.

The County will provide the entire RFP in Word format which will include the Price Pages.

3. Please provide a Microsoft Word format of the RFP.

The County will provide the entire RFP in Word format.

4. Please provide scaled floor plans for the 51 mandatory buildings/facilities and scaled floor plans and lot plans of the 40 random buildings.

The County has discussed this with their Consultant and has concluded that we do not at this time want to ask the building/facility owners to expose their floor plans to the general public.

5. Due to the amount of building site-walks that need to occur, Harris respectfully requests an extension of the due date for Final Questions to be extended to January 15, 2016. (RFP Section 5.9)

The County agrees to extend the due date for Final Questions to January 15, 2016.

6. Please clarify if there is a distinction between "capable" and "enabled." Does "capable" mean "enabled" or does it mean "can be upgraded with"? (RFP Section 2.4.6)

For clarity, RFP Section 2.4 (6) will be modified as follows:

Encrypted Mode: All channels of the trunked simulcast system shall be installed and equipped to accommodate AES voice encryption. All subscriber units properly equipped with encryption shall be able to scan between and converse on encrypted and clear talk groups. All dispatch positions shall be equipped for utilizing the encrypted channels. The range of the system in encrypted mode must equal the range of the system in clear mode.

Note that RFP Section 6.2.6 (44) provides further clarity for encryption on the dispatch consoles:

End-to-End Encryption - The console system shall provide a high level of security by providing end-to-end AES encryption of selected talkgroups that are configured for

encrypted operation. The system must provide an Encrypted/Clear selector for each talkgroup.

7. Does Collin County require vendors to include the cost of internet connectivity at each site to support the Digital Video Recorder requirements in section 4.4.4 par 3?

Vendors are required to provide the equipment necessary to support web-based live viewing of the cameras in the Facilities Maintenance Department Central Plant Control Room. The video will be backhauled via the MPLS Microwave infrastructure. It is not expected that live video will be streamed continuously from the tower sites. Rather, video will be continuously recorded on the local DVRs at the sites, and the Facilities Maintenance Department Central Plant Control Room will have the capability of accessing a given site's video stream at any given time to inquire of potential problems.

8. The Water Tower sites currently are within the owner's security fencing. If the new shelters reside within this security fencing, is additional fencing surrounding the shelter required as stated in the RFP in section 4.4.3 par 1?

Equipment shelters at Water Tower sites that will reside within the owner's security fencing are not required to have the additional fencing referenced in RFP Section 4.4.3.

9. Section 4.5.11 Par 5 could be read to suggest the 30' minimum separation between shelter and tower applies only to sites with new towers. Please clarify what type of sites this applies to (new towers, existing towers, new shelters, existing shelters, etc.).

The 30 foot spacing to be maintained between the building and the tower face or leg nearest the building stated in RFP Section 4.5.11(5) is a guideline intended to provide a level of protection for new equipment shelters from objects falling from new and existing towers. The guideline does not apply to Water Tower sites or other non-Collin County owned sites.

10. What are the site addresses for the non-county owned sites?

The table below depicts the site addresses for the non-County owned sites.

Non-County Owned Site Addresses		
	Site	Site Owner
1	Wilmeth Road	Collin County
2	Farmersville	Collin County
3	Copeville	Collin County
4	Verona	Collin County
5	Celina	Collin County
6	Allen	1549 E. Bethany Rd., Allen

7	Anna	This future water tower has not been constructed
8	Plano – Comm Pkwy	6825 Communications Parkway, Plano
9	Plano – Avenue N	1301 Avenue N, Plano
10	Princeton	185 W. County Rd 461, Princeton
11	West McKinney	10150 West Ridge Blvd., McKinney

11. Please clarify if the power service and meter provided by Collin County will be within 50' of the site fence or 50' of the site shelter. RFP Section 4.2 (16)

The language in RFP Section 4.2 (16) shall be modified to read as follows:

16. The County team will assist in arranging for commercial power installation to a meter located within fifty (50) feet of each simulcast repeater site's equipment shelter. The agency involved will negotiate a utility easement or right of way, if needed, at each site.

12. Please clarify what Collin County's stone surfacing coverage area requirements are as discussed in section 4.4.2 for water tower sites.

The language in RFP Section 4.4.2 regarding stone surfacing applies solely to new and existing tower sites, and does not apply to any Water Tower sites.

13. During Site Surveys, it was apparent that the existing shelters at the McKinney Water tower were kept outside the inner security fencing approximately 125 feet away from the tower. Should vendors assume this is a constraint that exists for this project?

Until further notice vendors should assume that the West McKinney Water Tower equipment shelter will be located outside of the inner security fencing, alongside the existing shelters.