



CITY OF HOUSTON
Strategic Purchasing Division
Finance and Administration
Department

Bill White
Mayor

Calvin D. Wells
City Purchasing Agent
P.O. Box 1562
Houston, Texas 77251-1562

F. 713.247.1811
www.houstontx.gov/purchasing

July 3, 2007

SUBJECT: Early Release Coverage Requirements Addendum No.3
700/800 MHz Trunked Radio & Communication System for the Information Technology
Department

REFERENCE: Request for Proposal No.: S29-T22459

TO: All Prospective Proposers

This Early Release Coverage Requirements Addendum is issued for the following reasons:

• **The following questions and City of Houston responses are as follows:**

1. The City has issued a list of 147 specific buildings and/or campuses for which in-building coverage is "required". All of the required buildings fall within the 20dB and/or 30dB building requirement contours. Does this mean these buildings require guaranteed coverage up to the loss value of the contour they fall within (up to 20 dB and/or 30 dB)? Or are the required buildings to be covered regardless of the building attenuation loss?

ANSWER: The buildings on the required buildings list are intended to be covered regardless of where they are located. To be more specific, coverage within these buildings is required even if building loss exceeds the baseline coverage level at that location.

If a building is located within the 20 or 30 dB required coverage area and the building loss is less than or equal to the required baseline coverage at that location, it can and should at a minimum, be covered by the radio infrastructure's baseline coverage performance.

If a building has a loss that exceeds the associated baseline coverage requirement at that location, extended in-building coverage may be provided by supplemental methods as outlined in the Early Coverage Release document, specifically:

"To extend coverage beyond the 20 and 30 dB levels, the City will consider secondary methods of providing heavier coverage within such structures. Such methods might include:

- ***Increasing the baseline coverage of the infrastructure in a particular area of the City to support higher levels of building penetration as was done in the immediate downtown area.***
- ***Installation of multi-band channelized bi-directional amplifier systems in selected***

buildings where building access is permitted. Costs for such solutions shall be provided on a case by case basis so that the City can utilize available funding in a manner that best meets the City's needs.

- *Installation of a fiber optic based in-building RF distribution system*
- *Utilization of vehicular repeater systems or other similar systems to extend tactical on-scene radio coverage into heavy structures Hi-rise buildings present significant communication problems for the Police and Fire Departments when working events inside such facilities, particularly when trying to communicate between the lower floors and upper floors of the facility. It is the intent of the City to resolve such problems to the extent feasible as part of this project."*

It should be noted that system costs are of considerable concern to the City. It is likely that the City will require that extended coverage measures such as vehicular repeaters, bi-directional amplifier systems and other measures be priced separately so that their value can be evaluated at the appropriate time. For the purposes of developing your proposal, the City requests that if vehicular repeaters are proposed, the following different quantities of vehicular repeaters be quoted:

- *500 units*
- *750 units*
- *1,000 units*
- *1,500 units*

If vehicular repeaters are purchased by the City, the actual quantity to be purchased will be determined later. The quantities shown above are to provide the City with pricing information based on different size purchases.

2. Can VTACs or vehicular repeaters be utilized to meet the 10, 20, or 30dB in-building baseline coverage requirements?

ANSWER: The City has defined specific bounded areas in which certain baseline levels of in-building coverage performance are required. These baseline levels of coverage must be provided by the radio infrastructure. This requirement cannot be met by utilizing vehicular repeaters.

NOTE: THIS WILL BE THE LAST ADDENDUM ISSUED AS IT PERTAIN TO THE EARLY RELEASE COVERAGE REQUIREMENTS. ANY ADDITIONAL QUESTIONS THAT PERTAIN TO THIS SOLICITATION SHALL BE ASKED UPON RELEASE OF THE FINAL REQUEST FOR PROPOSAL. THE CITY IS ANTICIPATING THAT THE FINAL RFP SHALL BE MADE AVAILABLE AROUND LATE SUMMER OR EARLY FALL.

**EARLY RELEASE COVERAGE REQUIREMENTS ADDENDUM 3
700/800 MHz TRUNKED RADIO & COMMUNICATION SYSTEM
SOLICITATION NO. S29-T22459**

When issued, Addendums shall be used to assist all Prospective Proposer(s) in researching and generating information that can be used to assist them and expedite the amount of time needed to respond to the Request for Proposal after it has been released. It is the responsibility of the Proposer(s) to ensure that it has obtained all such Addendum(s).

If you have any questions or if further clarification is needed regarding the Early Release Coverage Requirements, please contact me.

Sincerely,

A handwritten signature in black ink that reads "Douglas Moore". The signature is written in a cursive, flowing style.

Douglas Moore
Senior Procurement Specialist
City of Houston, Strategic Purchasing Division
713-247-1073

END OF ADDENDUM NO. 3