

ADDENDUM NO. 6

DATE: July 18, 2018

TO: All Potential Qualifiers

FROM: Penny Owens, Assistant Purchasing Agent, City of Knoxville

SUBJECT: Addendum No. 6 to RFP – In-Building Distributed Antenna System (DAS)
for the Knoxville Convention Center

RFPS TO BE OPENED: August 10, 2018 at 11:00:00 a.m. (Eastern Time)

This addendum is being published to address the following items regarding the above referenced RFP. This addendum becomes a part of the contract documents and modifies the original specifications as noted.

ITEM 1: Access to Building for RF Signal Survey

Per Addendum 5, all proposers have the opportunity to verify the RF signal strength throughout the Convention Center. The City will allow access to all interested firms on Monday, July 23, 2018 and Tuesday, July 24, 2018 to test signal strength between the hours of 8:00 a.m. to 5:00 p.m. There is no need to make an appointment. Access to the roof will be included. Upon arrival at the Convention Center, please proceed to the Administrative Office and ask for Jason Bourgoyne or Billy Smith. Note that no questions about the RFP and scope of services are **not** allowed during the site visit and must be emailed to the Assistant Purchasing Agent, Penny Owens, at powens@knoxvilletn.gov.

ITEM 2: Answers to Questions

This item addresses and answers many of the questions received to date with the remaining questions to be answered in the next addendum.

Question #1: Is conduit required for this project?

Response: Only Electrical wires and any wall penetration.

Question #2: What are the electrical requirements on site?

Response: It will depend on where the equipment is placed and what the supplier needs.

Question #3: Is a Generator-fed electrical circuit available? To feed the primary, Public Safety DAS head-end equipment? Available to the remote radios distributed throughout the facility?

Response: No.

Question #4: Will the venue provide a data-circuit available to the primary, DAS head-end equipment? With Internet access? For the purpose of remote monitoring and maintenance? Or is the required data-circuit to be provided as part of the awardee's offering?

Response: Yes, the City can provide the data-circuit but it will be the proposer's responsibility to run the necessary cable.

Question #5: Will the venue provide the roof penetration for required donor antenna? If not, is the roof under warranty?

Response: No. The roof is new and penetration through the roof membrane will not be allowed. The City will allow side penetration through the Mechanical Penthouse and allow the cable to zig zag down.

Question #6: Regarding the floor plans, are the shaded areas free space or actual usable space? It will help with the design process.

Response: The shaded areas are non rentable space, i.e. office space, kitchen space, etc.

Question #7: Is conduit required for antenna runs or other cable runs?

Response: No, only electrical wires and any wall penetration.

Question #8: Are there special installation requirements/constraints for exposed or hard ceilings?

Response: Yes, installation must not interfere with rigging and must be aesthetically appealing.

Question #9: What are the locations of all IDF closets?

Response: Room 215A and 320A

Question #10: Is space available in the IDF/MDF closets for DAS equipment?

Response: Yes

Question #11: What is the availability of SM fiber? Please provide a fiber diagram.

Response: Yes, SM fiber is available in Rooms 215A and 320A. The proposer will be responsible to run it to those locations. For security purposes, the fiber diagrams will be available for viewing during the signal testing sessions on Monday, July 23rd, and Tuesday, July 24th.

Question #12: Is 120 AC power available in each of the IDF/MDF closets?

Response: Yes

Question #13: What is the roof type/material?

Response: Carlyle rubber roof and/or ballasted

Question #14: Is the roof pitched? If so, what is the pitch?

Response: No

Question #15: Are there any special work hours/events outside of the normal 8am-5pm work day?

Response: Work will be scheduled around events

Question #16: Is work allowed on nights and weekends?

Response: Possibly. This will be negotiated with the winning proposer but the typical work hours at the building are 7:00 am to 5:00 pm.

Question #17: What are the work requirements with regards to OSHA?

Response: All OSHA safety programs must be followed. Specifically, aerial lift, electrical, roof work, etc.

Question #18: What is the location of the existing roof penetration? Is ½ in of space available for the antenna cable?

Response: None. Roof penetration is not allowed.

Question #19: Where are the fire alarm panels in the building? The BDA DAS equipment will need to be alarmed to the fire panels.

Response: Security Office, Mezzanine, Administrative office

Question #20: Where are the sprinkler riser/pump rooms?

Response: Loading Dock outside of Security Office. Risers are located throughout the facility.

Question #21: Does the MDF and penthouse on the third floor both have generator power?

Response: Yes, the MDF has generator power but the penthouse does not.

Question #22: Has the City been able to identify the IDF locations where can put remotes?

Response: No.

Question #23: Do all of the remote locations have power available and space to put a remote?

Response: No.

Question #24: Whether there might be wall penetrations existing from the hallways to the conference halls already?

Response: All are sealed with 2 hour rated caulking.

Question #25: Are there existing floor/roof penetrations for cable pathways?

Response: No.

Question #26: Is there any portion of the current DAS system that can be reused for a new system?

Response: No.

Question #27: Could we get clearer floor plans for this facility?

Response: For security purposes, the floor plans will be available for viewing during the signal testing sessions on Monday, July 23rd, and Tuesday, July 24th.

Question #28: What is the proposed location of the headend room?

Response: We expect the winning proposer will provide us details on the amount of space needed and work with them to identify the location.

Question #29: Please identify the location for the BDA/DAS head end equipment – room location on the building drawings.

Response: We expect the winning proposer will provide us details on the amount of space needed and work with them to identify a location.

Question #30: Please identify the existing vertical runs for cable access to the roof.

Response: Currently there are none.

Question #31: If riser is not conduit but a 2hr rated riser, is conduit still required.

Response: Wiring listed for use in rated risers can be installed without an overall raceway if properly supported and separated from conductors of any electric light, power, class 1, non-power limited fire alarm, or network-powered broadband communication circuits by a minimum of 2". Separation is not required for optical fiber circuits or if all other conductors are installed in metal raceways.

Question #32: Is Plenum cable required?

Response: Per 300.22(C) of the 2011 NEC, all wiring within spaces used for air-handling purposes shall be run in metal raceways or be specifically listed for use in plenum areas. e.g. types CMP, CATV, BLP, or OFNP.

Question #33: Will a building permit be required?

Response: Yes, low voltage permit with the Building Dept.

Question #34: Do we need to hire an alarm contractor for interfacing fire alarm with system?

Response: Yes, if you are connecting to the fire alarm.

Question #35: Did the AHJ adopt the IFC Section 510 as is or did they make modifications? If so, please provide the AHJ changes.

Response: The 2012 I.F.C. has been adopted as is.

Question #36: Who is the POC at the AHJ?

Response: Sonny Partin with the Fire Department, 865-215-2283

Question #37: The specified section 510 of the International Fire Code 2018 specifies 12 hour battery back-up for the signal booster (BDA) active equipment unless otherwise specified by the local AHJ (Authority Having Jurisdiction) – is there a local code requirement that is different from this 12 hour battery backup specification?

Response: The 2012 I.F.C. requires secondary back up, we have no amendments.

Question #38: Should Section 510 of the International Fire Code 2018 / NFPA 72 requires signal booster equipment (BDA) and battery backup equipment to be housed in NEMA 4 type enclosures be adhered to for this opportunity? Is 12 hours battery backup sufficient? Do you require more or less duration for battery backup? If so, what is the duration for backup?

Response: See the 2012 I.F.C. for requirements, we have no amendments.

Question #39: What is the location (lat/long) and power of the proposed donor site from the Authority Having Jurisdiction (AHJ)?

Response: The locations are as follows:

	LATITUDE	LONGITUDE
1. RIDGE	35-59-57.0 N	83-56-59.0 W
2. BLACK RD	35-54-24.2 N	84-11-01.0 W
3. STOCK CRREEK	35-52-41.3 N	83-53-10.6 W
4. HIGHTOP	35-59-18.0 N	83-44-55.0 W
5. BRUSHY KNOB	36-07-12.2 N	83-55-29.6 W
6. BERNARD AV	35-58-29.7 N	83-55-53.3 W

Question #40: It says I'm a registered vendor does this mean I can bid on the project or do I need to have a separate contractor license?

Response: The RFP requires only that you are registered as a vendor to submit a proposal.

END OF ADDENDUM 6