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Garage on Granite Camera Installation Project SUPPLEMENTAL QUESTIONS, REQUESTS FOR CLARIFICATION & ANSWERS

The following questions were asked during the Mandatory Pre-bid Conference held on Thursday, February 6, 2014 at the city parking garage. Also included are questions submitted in writing and that were received by Friday, February 14, 2014.

- 1) Q: What about the existing cameras, do they all work?
A) At this time, the existing cameras all work. The plan is to eventually replace all the digital cameras and upgrade. They do not need to be dismantled.

- 2) Q: Will the new cameras be on a separate system from the existing cameras?
A) No. If possible, the new cameras should be integrated into the existing camera system.

- 3) Q: What is the current platform of software?
A) Standard Analog DVR.

- 4) Q: Egress or ingress installation?
A) The location of the cameras will be specific and it may cover both ingress and egress or only ingress or egress based off of the buyer's specifications for positioning.

- 5) Q: Where is the server?
A) The utility/electrical room on the second floor of the Granite Street Parking Garage, on the northwest corner of the structure. The server is in a room which is surrounded by chain link fencing.

- 6) Q: Who installed the camera system originally?
- A) The original installation was done by Alarm Electronics and Communications.**
- 7) Q: Can you submit more than one bid?
- A) Yes. Please see 2.6 Multiple Bids: A bidder may submit multiple bids for any solicitation; however, each bid must be submitted separately (in its own complete package) from the others.**
- 8) Q: There is no notation about migration of the 16 existing analog cameras onto the new system. In order to provide this an HD digital encoder is required, minimum 16 channels and compatible with the new NVR & cameras.
- A) The preference is that the new cameras integrate into the existing server.**
- 9) Q: Is very expensive facial recognition software and or the also expensive LPR Database Software to be required or merely to be available for future implementation to the system as a whole?
- A) There is no software link requirement for facial recognition. The requirement is the ability to identify unique or common facial / physical characteristics that makes the person in the image identifiable. The License Plate Reader should be capable of accurately reading license plates.**
- 10) Q: There is no discussion about the city's requirement to have the system be capable of complete MESH interface to enable not just dispatch, but patrol and or hand held viewing. This is important to enable the band width required for offsite viewing and or control.
- A) There is no "MESH" requirement. The images should be viewable from two viewing stations.**
- 11) Q: There is no discussion pertaining to typical required UPS devices as is typically required to perfect NVR warranties, neither size nor duration, which are very important.
- A) The requirement is for continual recording ability in all conditions.**
- 12) Q: There is no discussion pertaining to requirements of a responding bidder to be factory trained and or factory or nationally certified with proof of certification to install and support the equipment proposed.
- A) The requirement is for a commercially licensed Electrical Contractor.**

13) Q: There is no discussion pertaining to operational features of the NVR, viewing software, storage type, redundancy, etc. as is typically required for municipal systems.

A) The requirement is to capture, store, and provide the ability to view the images from two (2) defined viewing stations. It is also required to capture the images 24 hours a day / 7 days a week. This system can be motion activated and the image storage must be a minimum of 30 days.

14) Q: There is no discussion about the required Ethernet switch (es) required that will be maintained by the city for the use of the system – the city has specific network requirements.

A) If specific connectors or hardware is required for the system to function properly it will be determined by the contractor with assistance from the Radio Tower Manager at the Prescott Regional Communications Center.

15) Q: There is no discussion about the storage type requirement, only length, RAID 5 storage is a minimum requirement for a system of this size, minimum 14Tb and any less opens the investment to unrecoverable failures and problems.

A) The storage requirement is a 30 day minimum with the ability to recall the images at any point within the 30 days.

16) Q: Unless a minimum frame rate or recording type is defined, the 30 day request is vague as to how the information will be useable.

A) The recording type or frame rate will allow the viewer to see the image at actual speed with the ability to freeze and capture the image. The frame rate or recording type will be determined by the vendor to accomplish the desired results.

17) Q: A 1 yr warranty is far less than the typical for suitable professional vendors, the typical warranty period is 3-5 years – does the city really want an inferior warranty?

A) See Addendum #1 dated February 21, 2014

18) Q: The equipment will require proper professional racking, more power than is provided, ventilation, etc that is not addressed in the document.

A) The power supply will be provided on the second floor of the Granite Street Parking Garage (project site). Proper mounting or racking and any other adjustments needed to provide ventilation or other environmental changes necessary to assure the proper operation of the equipment is the responsibility of the contractor and should be addressed in the bid.

19) Q: Conduit installation in the garage structure has to be approved by a structural engineer – there is no mention of this.

A) The structural concerns at the site will be addressed by the buyer and will be the buyer's responsibility.

20) Q: As this is an exterior installation, compression weather tight installation is required and not addressed.

A) The installed equipment is required to operate in all weather conditions related to the climate in Prescott.

21) Q: What approving agency, i.e. building department, public works, etc, will be the main construction verifier of proper installation, safety, and or workmanship?

A) The approving city department will be the responsibility of the buyer.

22) Q: Typically there are requirements for manufacturers to be in business for a period offering a product and manufacturer references – we see no requirement for this important item.

A) This is not a requirement

23) Q: There is no discussion on a minimum training for the use, maintenance, etc. This will be a very intricate system, a minimum of multiple 4 hour instruction periods for no less than 4 times a year could create inability to recognize issues with the installation.

A) The requirement for training is to teach specific designated employees the proper technique to view, recall, and secure images and to identify potential problems.

24) Q: How will important software and or firmware upgrades during the warranty period be established and enforced?

A) Any upgrades will be addressed on an individual basis. If there is an additional cost to software or firmware upgrades these should be addressed in the bid.

25) Q: There appears to be no discussion about a service contract after the warranty, as this is a large investment, and will typically have service needs and does require maintenance how will this be achieved?

A) The service and upkeep of the installed equipment will be based on the requirement to maintain a fully functioning system at all times, and the buyer will contract out for repairs.

26) Q: We see no requirement for detail to be provided on the quotation forms; i.e.; manufacturers names, materials list, quantities, model numbers, etc. without this information how will the evaluation for quality, and performance be achieved?

A) The manufactures, models, quantities and other related items will not be selected by the buyer. The equipment selected by the contractor will be required to operate as defined in the scope of work.

27) Q: Will this project require both a performance and payment bond?

A) Yes. Article XI –Bonds (A and B)

28) Q: I have to question the deletion of what was supposed to be a camera in the basement level north that was originally included as there is no camera in that area?

A) The decision was made to add the cameras in the four sections presented in the Mandatory Pre-bid Conference.

29) Q: A 1080p HD camera is a 2MP camera and there is no such item in ANY CCTV as 8MP imager, there are a couple of 180' or 360' type cameras seamed with their respective software to yield 8MP.

A) See Addendum #2 dated February 21, 2014

30) Q: Running 24/d w/30 day storage coupled with motion detection is a conflict in terms, with what will be a 16 converted/encoded cameras with the 4-5 new at the required frame rate, yields a minimum of 13 TB RAID 5 storage.

A) The requirement is for fulltime recording and storage capabilities with the ability to activate, record, and store any images captured after motion is detected.

31) Q: The Specifications and Contract Documents for the above referenced project prints out with "Draft" written across the pages. Do we use these documents or will there be documents for print later without "Draft" on the pages?

A) Yes, please use this document. This document will become the contract once a bid is accepted and the signed document will no longer have the word "Draft" on it.

INSTALLATION LOCATIONS:

Granite Street Parking Garage – Level 1 (ground level)

- Install one (1) license plate reader facing west facing the entry/exit of the parking garage and tie into existing electrical
- Install one (1) facial recognition camera on the inside southern facing area of the parking garage to capture anyone entering and/or exiting the parking garage
- Install one (1) facial recognition camera on the outside southeast corner of the parking garage between the stairwell where there is heavy foot traffic coming off the alley
- Install two (2) facial recognition cameras on the outside northeast corner of the parking garage – one facing the stairwell/alley and one facing toward the lower level of the parking garage – to capture the person's face and not just the top of their head.