

**REQUEST FOR PROPOSAL (RFP)
ADDENDUM NUMBER ONE (1)
DATE: December 11, 2024**

PROJECT: CCTV Replacement Phase 1
Birmingham-Shuttleworth International Airport
Birmingham, Alabama

From: Birmingham Airport Authority (BAA)
5900 Messer Airport Highway
Birmingham, Alabama 35212

To: All Participants

General:

This addendum will form a part of the and modifies the original Request for Proposal (RFP) document. The following changes take precedence over items in the RFP. Any portion of the RFP not changed by this Addendum remains in effect. Recipients of the Addendum are advised to provide this Addendum to anyone to whom they further distribute without the BAA's knowledge.

Participants in this RFP are required to acknowledge receipt of this Addendum in their Proposal. Failure to do so may subject Proposer for disqualification.

ADDITIONAL INFORMATION/CLARIFICATIONS/DESCRIBED BELOW:

- 1. Question:** How many cameras does the CCTV replacement include?
Answer: Phase #1 includes 56 Cameras. See Camera schedule. X-07-100
- 2. Question:** If there are construction drawings/blueprints, may we obtain them?
Answer: Yes, All Drawings and Specifications are available on-line, if you have any issues with the downloads, please contact Ed Seoane eseoane@flybhm.com
- 3. Question:** Is there anything else that you may recommend we know about this opportunity?
Answer: No.
- 4. Question:** Is Pelco an approved camera manufacturer for this project? We meet the specs provided for the basis of design.
Answer: Yes, the specifications provide basis of design on all equipment, BHM will consider any product as long as it is equivalent to basis of design.
- 5. Question:** Will there be a consideration of an extension for the bid due date?
Answer: Yes, the bid due date is now, January 3, 2024
- 6. Question:** I do not specifically see it called out in the drawings or specs, but how many cameras should the overall VSS system be licensed for on "day one"?
Answer: 100 Licenses for Phase 1.
- 7. Question:** It is called out in the specs for storage of 1200TB, 1600TB, and 2000TB. How is this storage to be distributed? From the walk and drawings, it looks like the video servers will be in MDF and IDF rooms? Or all centrally located in one location?
Answer: 282310-10 Section 2.4 Video Storage Node

 - 4. Total video storage requirements:**
 - a. Base Price shall include a total of 1200TB of useable storage.**
 - b. Provide add-alternate pricing above base price for 1600TB of usable storage.**
 - c. Provide add-alternate pricing above base price for 2000TB of usable storage.**

The Video Storage Node will be installed in the MDF.
- 8. Question:** Redundancy is called out in the specs, is this redundant head end management servers? Or failover recording, mirrored recording?

Answer: Yes, redundancy in the head end/ management servers, for failover recording. Mirroring is not required.

- 9. Question:** CCURE integration is called out and was discussed as well. The discussion was "future" integration capability. However, the specs call out integration. Is the licensing to integrate to CCURE to be included, and if so, how many doors/points are to be monitored by the VSS?

Answer: CCURE licensing is not required in this Phase #1. The only requirement in the specification is that solution must have the capability to integrate with CCURE in the "Future".

- 10. Question:** VSS storage nodes mention disk fault tolerance. Is this to be RAID 5 or RAID 6?

Answer: See section 282310 2.4 Video Storage Node for storage requirements. RAID 5 or 6 is not a requirement/applicable.

- 11. Question:** There is mention of virtual server and VMware plugin, what is being virtualized? "Virtual Application Server Failover" is mentioned. Also, can be the SAN management server.

Answer: Depending on manufactures solution or recommended deployment BHM will consider a virtual deployment. A virtual environment is not required. Proposed Storage node could be a SAN solution.

- 12. Question:** We would like to confirm that you will be keeping all the interior cameras on the PELCO system and only the IP cameras on the new system is this correct?

Answer: Confirmed, the existing cameras not identified in Phase #1 will remain on the existing Bosch system.

- 13. Question:** Can you tell us exactly how many existing IP cameras are being added to the new system. New need to include device licenses for each of these and need to know our costs for this.

Answer: Contractor shall provide 100 Licenses for Phase 1.

- 14. Question:** Are we just to provide one control client computer in the SOC and two monitors with a UPS, or what does the airport want installed?

Answer: Per drawing X-04-104 (4) Provide five (5) VSS workstations. Locations shall be coordinated.

- 15. Question:** The walk through and camera schedule reference 46 existing and 2 new cameras, but the drawings have 54 existing cameras and 2 new cameras. Are the drawings correct for the count of cameras being replaced?
Answer: Yes, the drawings are correct. 56 total cameras are in scope.
- 16. Question:** How many and of which types of the existing monitors are we to take over for the new system? Will we just be driving two existing monitors? This was not defined on the drawings or the specifications.
Answer: No existing monitors will be taken over. Existing system will remain as is. Only workstations will be deployed in Phase #1.
- 17. Question:** IT rooms T-1403, T1028 and T-2344 are listed as covering areas of the airport but do not have switches or fiber assigned to them. Will these be installed in other phases?
Answer: Per drawing sheet X-04-102 & schedule X-07-100. No cameras will be routed to the IT rooms referenced.
- 18. Question:** On the second floor it says cameras wire back to A-2012, but the room in that area is A-2612. We want to just verify that this was mislabeled.
Answer: Yes, they are A-2612. All references to A-2012 should be A-2612
- 19. Question:** Rack elevations show completely redundant video head ends. The specs said redundant application servers and RAID storage, but the elevations show duplicate head ends servers. Completely redundant servers are quite a bit more expensive than a fail-over server at one location. This would be 1200TB, 1600TB and 2000TB at each location instead of just at one location with the largest sized failover server to pick up for any failed server. We just want to question if this more expensive solution is the design intentions.
Answer: Yes, only fail over for the head end/ management servers, for camera failover. Mirroring is not required. Only (1) one storage node will be installed, and it will be in the MDF.
- 20. Question:** Are the existing runs the fiber will go in in conduit, baskets, or J hooks. If in conduit how much of the runs and will Maxell sleeves be required?
Answer: Maxell Sleeves are not required.
- 21. Question:** The network schedule does not make very clear sense to us.
Answer: Sheet X-04-101 provides network connectivity. Contractor shall provide and install all switches identified on this drawing sheet.

22. Question: The schedule calls for 2 core switches in the garage and the network risers clearly only shows one switch. Does the system need two core switches in the garage?

Answer: No, there is a total of two (2) core switches. One (1) is in the Terminal MDF and (1) One in the Garage MDF.

23. Question: The schedule call for 78 Lantronix Rugged SFP modules. Are these required to be installed?

Answer: Yes, they are required to be provided to accommodate all future outdoor switch connectivity.

24. Question: Please confirm that only Camera C-298 is the only camera that requires new Conduit/Raceway. All other existing cameras will use existing pathways.

Answer: C-298 and C-838 are the only new locations requiring new pathways.

25. Question: Who owns the Division 26 SOW?

Answer: Integrator shall be responsible for the Division 26 SOW. Note minimum electrical work is required.

26. Question: Horizontal Cabling Installer Minimum Qualifications: Please Confirm Horizontal Cabling qualifications that the installation needs to be performed by a Comscope certified Installer?

Answer: Comscope is the basis of design but is not hard specified. Fiber manufacture can be approved equivalent. Contractor shall be a certified installer of the proposed solution.

27. Question: 2.4 LICENSING

- a. Provide all required licenses for the equipment and software provided.
- b. All software licenses shall be perpetual. (RFI - Is the expectations we are providing a 1-year License?)
- c. All software licenses provided under Division 27 shall be registered in the name of Salt Lake City Department of Airports. (RFI - Is this address/reference accurate?)

Answer: Yes, 1- year license. No, Licenses shall be registered to BHM.

28. Question: TESTING: (RFI - Is this Testing procedure required stated per the RFP?)

- a. Stage I - Initial Phase Testing:
- b. Stage II - Initial Phase Assessment:
- c. Stage III - Final Phase Testing:

Answer: Not sure what Testing section (multiple) this is in Reference to.

29. Question: The RFP states that proposers shall submit reference sites with 300IP cameras and a site with a 'minimum of 500 cameras.' During the site visit it was made clear that projects of a comparable size to this one are acceptable and the 300/500 requirement was a carry-over from a previous RFP for the entire airport. Can you please confirm that smaller size projects on par with this project will be acceptable as historical references?

Answer: Projects do not need to be specifically “Airport” projects but do need to illustrate the 300/500 requirement.

30. Question: Page X-00-113 Calls out SE-0-14 which is not on phase 1 drawings. Also, drawings call for 30”x24” but doesn’t give depth, doesn’t list a fiber patch panel, and calls for a ruggedized switch but no power supply. Please confirm if each of these enclosures are typically outfitted with a patch panel, switch, and power supply.

Answer: Enclosure should draw sheet X-06-105, Detail #4 SE-0-13.

31. Question: ACR A-1003 on page x-01-101 References 2/x-05-102 which is not on the supplied drawings.

Answer: Cabinet details are on X-05-101

32. Question: ACR T-1809 on page x-01-106 references page 1/x-05-102 which is not on the supplied drawings.

Answer: Answer: Cabinet details are on X-05-101

33. Question: Server Room on page x-02-112 references 1,2,3,4/x-05-301 which is not on the supplied drawings.

Answer: MDF Cabinet Elevations are on sheet X-05-100

34. Question: 6/x-03-200 References ACR A-2012 but the drawings show ACR A-2612. Are the drawings for ACR A-2612 the same as ACR A-2012?

Answer: Yes, references to A-2012 are for A-2612.

35. Question: Please explain what page X-04-102 is showing

Answer: Camera types and quantities connecting to CR/Network.

36. Question: Page X-07-104 calls for 2 core layer switches in the garage MDF, but the rack layouts only show one. Please confirm the number of core layer switches to be included in phase 1

Answer: Two (2) Core switches total. One (1) in in Terminal MDF and One (1) in Garage MDF