

Project Owner:	Mount Pleasant Public Schools
Project Name:	Video Monitoring Renovations
Issue Date:	April 22, 2022

PROJECT QUESTIONS AND ANSWERS

*This document provides answers to questions asked by bidders who have reviewed the **Technology Request for Bid** for the above referenced project.*

Q1: In the project document, there are drawings for only two locations. Kindly, provide us the drawings for other 21 locations so that we know the location and exact general arrangement of equipment, systems and related items and so, we can bid accurately.

A: All building drawings are included in the full bid specification. If you do not have access, please email Rebecca rszilagy@cbdconsulting.com

Q2: How many days of retention is the district looking for on video storage?

A: The servers specified were sized using 45 days of storage at 15 FPS. All proposed server solutions must meet or exceed the provided requirements for both quantity of servers and performance specifications.

Q3: I see for each camera type that you've listed the requirements for each type (ie, resolution, FPS, compression codecs, etc.)... did you want me to calculate bandwidth/throughput and storage assuming maximum frame rates for all cameras? Are all 300+ cameras going to run 25 FPS at all times?

A: See Q2.

Q4: I see the requirement for motion compression, but I don't see any guidance as to what percent motion I should use for calculation purposes? Or should I assume all cameras are free-run.

A: Cameras will utilized motion triggered recording. All proposed server solutions must meet or exceed the provided requirements for both quantity of servers and performance specifications.

Q5: It appears that all schools, save for Rosebush Elementary, will be centrally managed. Am I reading that correctly? Looks like 4 or so servers for the whole system, plus 1 smaller one to support Rosebush?

A: Four (4) servers total, three (3) in the district data center and one (1) remotely located at Rosebush Elementary.

Q6: Are IP jacks being provided or are we quoting those?

A: Add data cabling shall be the responsibility of selected bid division 27 21 00 Contractor.

Q7: I am not seeing an MDF at the Kinney building, which room is it in?

A: See Kinney Elementary second floor building plan.

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Q8: Low Voltage Cabling; Has the owner identified a color for the Category 6 cabling to be installed? Should it be green to match the patch cable specs in the VMS portion of the specs? A different color?

A: Green cabling shall be provided for both patch cables and bid division 27 21 00 work.

Q9: When it states the cable shall meet or exceed: "Rated and certified for installation in plenum air return spaces as may be required", is that saying all the cable should be plenum. Or only in plenum-rated areas? If the latter, what buildings are deemed to need plenum-rated cable?

A: Since no specific plenum locations will be provided to Contractors for bidding purposes. Contractors should include plenum rated cabling in all locations.

Q10: Video Monitoring System; How many existing analog cameras are to be removed?

A: There are currently 454 existing cameras installed. This consists of 298 analog, 89 analog over Cat 5E and 67 IP camera devices. All existing devices shall be removed according to provided bid documents and as specified herein.

Q11: Is failover required between servers?

A: Failover between servers is not identified as a requirement in this bid document. However, solutions that include this capability or provided as an alternate will be carefully considered by the Owner. Failover capability may be included as a voluntary alternate.

Q12: Is LDAP required?

A: Please include LDAP authentication in all base bid proposals.

Q13: For storage calculations, what is the desired FPS, motion %, and days of retention?

A: See Q2.

Q14: Please confirm who is responsible for new data drops.

A: See Q6.

Q15: Please confirm network is existing.

A: Yes, the Owner has an existing network.

Q16: Please confirm existing AV power.

A: There is no AV equipment included in this bid specification.

Q17: Please confirm if ATRAS cable is suitable for installation. The manufacturer provides a 25yr warranty when utilizing the cable plus accessories such jacks, patch cables, face plates, surface mount boxes, etc.

A: All solutions not included in the acceptable manufacturer list should be submitted as a voluntary alternate solution.

Q18: Please confirm what the hours will be on this project. 8:00-5:00PM? Shift work? Night?

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A: Undetermined. As discussed during the pre-bid meeting, project work may be limited by equipment availability. If equipment doesn't arrive during the summer, all work will be second shift and necessary to be completed to not disrupt normal classroom instruction or activities.

Q19: Please provide locations of existing head/end equipment to be demoed.

A: It is anticipated that twelve existing DVR devices along with analog encoders and accessories will require deinstallation. However, as stated in the bid document and specified herein, Contractor shall be responsible for the removal and either disposal or provide to Owner all existing analog equipment, cabling and accessories.

Q20: Where cameras are mounted to ceiling tiles, does the school district require metal ceiling tile panels?

A: No

Q21: Are the exterior single lens cameras to be surface mounted or utilize pendant arms? Pendant Arms will increase durability and overall life of the camera.

A: Surface mounting exterior cameras will be considered acceptable. If manufacturer or Contractor recommend or require particular mounting devices, bid should include all necessary mounting brackets and accessories.

Q23: The drawings show 317 cameras, the RFP shows 320 cameras.

A: 317 is new cameras to be provided, 3 are existing IP to be reused.

Q24: Please confirm if cameras can be run to second floor IDF/MDF locations from the first floor – EX. Fancher Elementary School.

A: Correct, this is where Fancher's MDF is located.

Q25: Please confirm if the "D" on all drawings is for existing data cables.

A: See Section 27 21 00 2.06.A.1.a.

Q26: Please confirm all cameras are to go back to one location (MDF) for Kinney.

A: Correct.

Q27: Please confirm which cameras are to be "Type G" on for the Maintenance Building.

A: The maroon and yellow colored cameras are all type G, 6 total.

Q28: Please confirm quantity of cameras to be demoed. Can these be shown on a drawing?

A: See Q10.

Q29: Please confirm a 1:1 swap is required when demoing the existing Pelco System and installing new.

A: Some locations with existing Pelco cameras will be a 1:1 swap, other locations will not be replaced with a new device. See Q10 for total quantity of cameras for removal.

Q30: Please confirm if the power supplies are hard wired or plugged.

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A: Undetermined. However, if locations exist that are hard wired, it will be the Owners responsibility to safely disconnect AC power for removal by Contractor.

Q31: Please confirm Mount Pleasant School District will be supplying all switches.

A: Correct.

Q32: Please confirm if any new workstations will be required.

A: No new workstations will be required.

Q33: Please confirm if failover is required for the servers.

A: See Q11.

Q34: Please confirm if the school district is looking for enterprise or professional licenses.

A: Based on the Exacqvision ecosystem, Contractors shall provide enterprise licenses.

Q35: Please confirm if there are any cable runs that exceed 300ft.

A: Existing camera data cabling is not expected to exceed 300’.

Q36: Can you tell us how many cameras need to be removed so we can properly build the project management document?

A: See Q10.

Q37: Do you have a specific percentage of available storage for future growth you would like on the servers?

A: See Q2.

Q38: Are you able to provide a drawing of the exact locations of existing cameras that need to be removed?

A: Drawings of existing camera locations will be provided to the selected Contractor.

Q39: Does enable archiving need to be on the servers?

A: Archiving is not a requirement of the bid document. However, solutions that enable this functionality will be carefully considered by the Owner.

Q40: Will Mount Pleasant School District accept an Alternative bid that includes a VMS that is not currently on your approved vendors list for consideration?

A: See Q17.

Q41: Will Mount Pleasant School District accept for consideration a Cloud Based, Managed End to End Video Surveillance offering that includes installation, maintenance, support and training (augmented IT Staff)?

A: See Q17.

Q42: Will CAD drawings be provided for each building for wiring?

A: No CAD drawings will be provided.

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Q43: Does Mount Pleasant School District foresee requirements for backup power to their servers, switches and routers to maintain operational uptime?

A: UPS equipment will be provided by Owner where necessary.

END OF QUESTIONS AND ANSWERS #1

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