

**DANSVILLE NEW HIGH SCHOOL TECHNOLOGY
INVITATION TO BID – QUESTIONS AND ANSWERS
ADDENDUM 5**

1. When can the work start?
 - a. Work can start as early as April 1st, however invoicing and payments can't start till July 1st due to e-Rate
2. What is the expected finish date?
 - a. August 10, 2018
3. Do vendors have bid all parts of the bid?
 - a. No
4. Are the new AP's expanding or existing?
 - a. Expanding an existing system
5. Do the 42 cameras include 560?
 - a. Yes, the 42 camera drops are included in the 560 network drops
6. What is the desired rack?
 - a. Wall mount, appropriate size for the equipment going in
7. Is the existing fiber being replaced?
 - a. Existing fiber runs to building being demolished so all fiber will have to be run to new locations. Please add as option.
8. Will the camera server be located at the school?
 - a. Depends on solution. If it is a virtual machine it will be located on the ISD where there is fiber connection.
9. Can vendors walk through the building prior to the bid due date?
 - a. A date will be scheduled and issued in an addendum (walk thru held 1/30/18)
10. Is current cabling in a raceway?
 - a. No, new cabling must be code compliant
11. Is the camera count for the schools correct?
 - a. Yes
12. Is the old cabling to be removed in the current High School?
 - a. No
13. What is the UPS size?

- a. 15 minute full power based on system installed
14. Will storage area be available on site for equipment?
- a. That will need to be discussed with the construction manager.
15. Will Milestone be accepted as an equivalent Video Management System (VMS)?
- a. It will be considered as an option as long as equivalent to Video Insight as far as features offered for the cost.
16. Will the server/s be centrally located at one building?
- a. Yes, they will be located at the High School if a server is onsite.
17. If the server/s are located at one location is Milestone Professional and equivalent VMS?
- a. See 16
18. If the server/s are located at multiple locations is Milestone Professional+ and equivalent VMS?
- a. See 16
19. Does the turnkey installation of the IP Security Camera System include the installation of the cabling not intended for cameras?
- a. Turnkey installation does not include the network cabling if you choose not to bid that part. However, the intent is when you are complete the camera system will be up and fully documented and operational.
20. Do the switches need to be Aruba or can an alternate be proposed?
- a. An alternative can be proposed.
21. The total "Network Cable Runs" for each building; does that include cameras and wireless access point cables?
- a. Yes
22. It appears that two of the IDF's in the elementary are both undergoing extensive renovation. Is anything happening with those closets that we need to include in our bid?
- a. The network racks will be moving in these locations so that will need to be included as part of your bid.
23. It was stated in the pre-bid meeting that vendors can bid all categories or any individual category. Please confirm.
- a. Yes, vendors can bid all categories or just the ones that they specialize in.
24. The camera counts on the drawings do not match the quantities in the bid specifications. Please clarify the quantity of interior and exterior per building. We will need these on the drawings to properly estimate the cabling requirements.
- a. This information was included on the drawings. Use the numbers included on the drawings as for camera counts with locations.
25. If only bidding the cameras, who is responsible for the patch cables at the switch and camera? Are you requiring a biscuit/coupler at the camera end between the data cable and camera (typically required to meet BICSI standards and testing of the data cabling)?

- a. The party bidding the cameras are responsible for the patch cables.
26. Can Avigilon be an approved equal for the camera system?
- a. This system can be proposed and we will evaluate it as an option as long as all features that are included with Video Insight are also included in your cost for this solution.
27. Are there any better prints provided?
- a. A complete set of blueprints will be provided
28. Looking at the prints I don't see any marked locations where any of the Category 2 Services are to be installed.
- a. MDF and IDF locations will be added to the prints. Camera locations and network locations are called out in the prints as well as access point locations.
29. How many existing analog cameras are going to be tied into the new system?
- a. None
30. Will the EMT conduit be needed in most areas of the elementary for data cabling to the WAPs and cameras, or shall we run the cabling exposed? If we are running the cabling exposed, shall we zip tie to existing or run new J-hook pathways?
- a. All cabling will need to be in conduit in exposed areas to meet building code.
31. Who is responsible for demoing the existing unused data/phone cabling?
- a. For all work after April 1st the vendor will be responsible for cable removal.
32. Is there a legend sheet that tells what all the symbols represent?
- a. Yes. It will be included
33. In the walk thru we saw 1 MDF in the Elementary and 2 EDF locations. We also saw 1 IDF location in the current High School. The new High School maps show an MDF location (2322A) and an IDF location (1221). Is this all of the network closets?
- a. No, there are currently 3 locations in the Elementary, 4 in the middle school and 2 in the high school.
34. Can you provide a rack layout diagram for the closets including Ladder Trays and who is to provide the racks and ladder trays?
- a. Racks and ladder trays are the responsibility of the selected vendor as there are currently no ladder trays in these areas.
35. Can you show the network closets for the elementary and middle schools on a map?
- a. These will be included on the new maps being added to the bid documents.
36. What type of ceilings are to be installed in the High School?
- a. Depends on location, this information is included in the blue prints.
37. Can you show the pathway requirements (j-hooks, cable tray, conduit, etc.)?
- a. This is up to the vendor to determine based on code.

38. Are there any manufacture requirements for the passive devices (jacks, patch panel, etc.)?
 - a. Panduit is preferred but will allow for alternates.
39. Will we be able to work multiple shifts to accomplish this work (1st shift, 2nd shift, 3rd shift)?
 - a. That will be determined by the Construction Manager but at this point it appears that multiple shifts will be available.
40. Who is responsible for the demo of the old cable?
 - a. The selected vendor will be responsible for all demo of old cable after April 1st.
41. Who is responsible for providing a lift?
 - a. If a lift is needed, selected vendor will need to provide.
42. Who provides for phone lines for the Elevator and Fire Panel?
 - a. The cabling vendor is responsible for the cable from these locations to the MDF in the high school.
43. Drawing 1200 shows an IDF just south of the gym. Will we need a rack/cabinet for the room and will there be backbone cables from the new MDF?
 - a. A wall mount cabinet will be needed for this IDF and fiber run to this IDF.
44. Can you provide the room numbers and the new and existing IT rooms?
 - a. This is included on the prints.
45. How many racks/cabinets will be required in the new HS Comm Room?
 - a. 1 wall mount cabinet to fit all gear that is being put in that room.
46. Are all other racks existing with space for the new cabling?
 - a. Depending on location, 2 locations will need additional space.
47. There are TV locations on the Drawings. Will these locations be part of this project? If so what are the requirements? RG6? Cat6?
 - a. Yes, the locations are part of the project – CAT6
48. Is there a requirement for connectivity brand? The ISD has a Pan Net solution using modular patch panes. Do you want the patch cables to match the connectivity solution?
 - a. We want Pan Net as the solution if you want to bid something else please bid as an alternate. Also please make sure all cable is Cat 6 Plenum cable.
49. Drawing EP1.4 shows a new Fire Alarm Control Panel (top right). Will the cables from the existing panel reach or will you need new cabling?
 - a. New cabling will need to be run for the phone system.
50. Is there a prevailing wage requirement for this project?
 - a. Yes
51. Can we get a final count on how many cameras for each building that is required for the bid?

- a. The final count is based on the drawings provided with locations. Please include a per camera add price.
52. Who is providing the patch cables from the camera to the network jack? Lengths?
- a. The camera vendor is responsible for cables to their cameras.
53. Who is responsible for the pathway from the network jack to the camera location?
- a. The cabling vendor. The engineering firm has created some pathways.
54. Can we bid on individual categories such as Network Switches, Cabling, Cameras, etc.?
- a. Yes, you can bid on a single category.
55. Under which category does the UPS fall under?
- a. Network Switches.