

CITY OF FLINT
WATER POLLUTION CONTROL

BID PROPOSAL P25000515

WATER POLLUTION CONTROL
SURVEILLANCE IMPROVEMENTS

ADDENDUM #1

Q1: Confirm fiber and network connectivity between sites by location.

A1: With the exception of the Sludge Thickener building, there is fiber connectivity available in every building where there will be a camera. Currently, the Sludge Thickener building uses a wireless antenna to transmit a signal to the Administration building. The specification requires the installer to verify connectivity and install any components needed to make a fully functional surveillance system.

Q2: Will Flint accept alternates to the specified Avigilon system?

A2: Section 3.2 addresses this issue. Avigilon is preferred as it matches the other City facilities.

Q3: Can we install on the radio tower to capture the tank yard

A3: Yes.

Q4: As specified some areas to be covered can not effectively be covered by 1 camera. Was this design based on a set budget?

A4: Not specifically, but the City retains the right to modify the specification as needed to maintain costs within a reasonable framework and project cap.

Q5: What is the funding source for this project? Grant? Etc?

A5: The project is funded by WPC O&M budget.

Q6: The camera specs show 28 Cameras that are to be installed throughout the facilities. In our walk yesterday I count 31 camera locations. How many camera locations are being installed?

A6: The Appendix sections are as proposed by the original developer. Section 11 provides the current cameras that shall be included in the bid. The City reserves the right to modify the number and location of cameras.

Q7: How many buildings on the main site have fiber that is ran to them? Is it our responsibility to install the network switches or are the ports being provided to us?

A7: As far as the project is concerned, all but one. See Answer 1. The contractor is responsible for all network connections and equipment. If a possibility of using an existing switch is feasible, the WPC SCADA Supervisor will determine if that location can be used.

Q8: One camera needs to be mounted on a pole. Whose responsible for the installation of the pole?

A8: The contractor. There shall be no penetrations of flat roofs.

Q9: The walk thru was held yesterday, the bid is due February 26, 2025. Can we get an extension on the bid due date?

A9: No.

Q10: Based on system design provided, few camera models have been discontinued, are replacement model a good replacement for those (EOL) cameras?

A10: The specifications require the latest versions of the cameras that are proposed in the appendices.

Q11: Can you provide the existing access control hardware and software to verify if there is an integration with Avigilon?

A11: The access control at the main facility is controlled by an Infinias IntelliM application by 3xLogic, version 6.8.23321.3. The gate controllers are LiftMaster SL570 actuators. The Third Avenue access control is by a KeyScan application to a LiftMaster H5011ML actuator.

Q12: Corrosion proof cameras at the Bar Screen Building and in the Filter Press area, is any other location that corrosion proof cameras will be required?

A11: Corrosion-resistant cameras shall be installed at the following locations: Filter Press area, Load-Out Building, UV Building, and Zimpro Load-out area. Explosionproof cameras have been specified for the A-Grit Snail building and the B-Grit interior camera. In addition, the Third Avenue Bar Screen cameras shall be explosionproof.

Q13: Please confirm that there is a fiber connectivity available at each location where new camera are going to be installed and camera server location except wireless bridge between Sludge Thickener Building and Administration Building?

A13: Please see Answer 1.

Q14: There is a AT&T fiber connectivity service from Third Avenue Pumping Station to Administration Building. Is that correct? If yes, do you have your AT&T representative contact to ask what the extra cost will be adding network video streaming?

A14: Yes. The current connection is 100-Meg. The design is such that there shall be a server at Third Ave with the WPC Foremans Office and Front Office running Client applications.

Q15: Is any Client Workstation required at Third Avenue Pumping Station? Or Workstation at Operations Foremans Office will be sufficient?

A15: A workstation is not requested at Third Ave due to the Client application at the Foremans Office and Front Office for the Third Ave server.

Q16: How many days in total of recorded footage are required?

A16: At least 30 days.

Q17: Are you considering using Hirschmann Switch or equal for the cameras?

A17: Hirschmann and Rockwell Automation switches are the plant standard.

Q18: Is the redundant, hot-swappable power supply required for the servers?

A18: Yes.

Q19: What manufacturer and model are the existing gate controllers and access systems at the main and third ave facilities (11.2.17)?

A19: Please see Answer 11.

Q20: What is meant in the proposal that something is “compatible”?

A20: That is capable of being fully integrated and fully functional with all other components.

Q21: Would we be able to go back on-site with a technician team prior to install and survey?

A21: Once the bid has been awarded, it is expected a more detailed walkthrough & design meeting will be scheduled.

Q22: Does internet connectivity include switches, and if so what make and model?

A22: Yes. Hirschmann or Rockwell Automation are the plant standard.

Q23: Are the sites already connected via fiber, and if so can we use the preexisting fiber?

A23: Please see Answer 1. Unless there are process restrictions and with the permission of the WPC SCADA Supervisor, preexisting fibers may be used.

Q24: Is there a schedule we can see for prevailing wage? (11.3)

A24: Information in regards to Prevailing Wages should be directed to the State of Michigan's Labor and Economic Opportunity Department. Please visit www.michigan.gov/leo for more information

Q25: Are we abating the existing cabling?

A25: Yes, where applicable. Cables to be abated shall be approved prior to removal by the City.

Q26: Can you identify all the MDF and IDF locations?

A26: The MDF is located in the PLC office in the Administration Building. While we have multiple endpoints with a switch, the closest we have to IDFs are in the A-Grit building and in the Incinerator complex. Both were indicated during the tour.

Q27: Can you provide the fiber routes?

A27: Upon being awarded the bid, the contractor shall receive more detailed fiber routing information.

Q28: Can you verify that all fiber connections good?

A28: To our knowledge, with the exception of a few individual strands, the fiber connections should be within parameters.

Q29: Can you verify that the underground conduit between and IDF is in good condition and not full of water?

A29: The exact location would have to be specified. Underground Fiber cabling shall be considered in a wet environment.

Q30: Does your current camera system display all the cameras?

A30: No. Due to the age and obsolescence of the systems involved, we have lost signal from some of the existing cameras.

Q31: What are the current gate controllers being used at the facility?

A31: Please see Answer 11.

Q32: How many locations do not currently have fiber?

A32: Please see Answer 1.

Q33: How many locations will require an antenna to connect remote locations?

A33: As currently envisioned, only the existing Sludge Thickener to Administration Building would have an antenna. One possible other location might be the Bar Screen Building at Third Avenue if a physical cable can not be used. Other locations may be proposed by the contractor.

Q34: How many of these remote locations will require their own modem/cellular connection?

A34: To our knowledge, there should be no cellular connections.

Q35: Will our team be able to reuse existing ridged conduit found throughout the location?

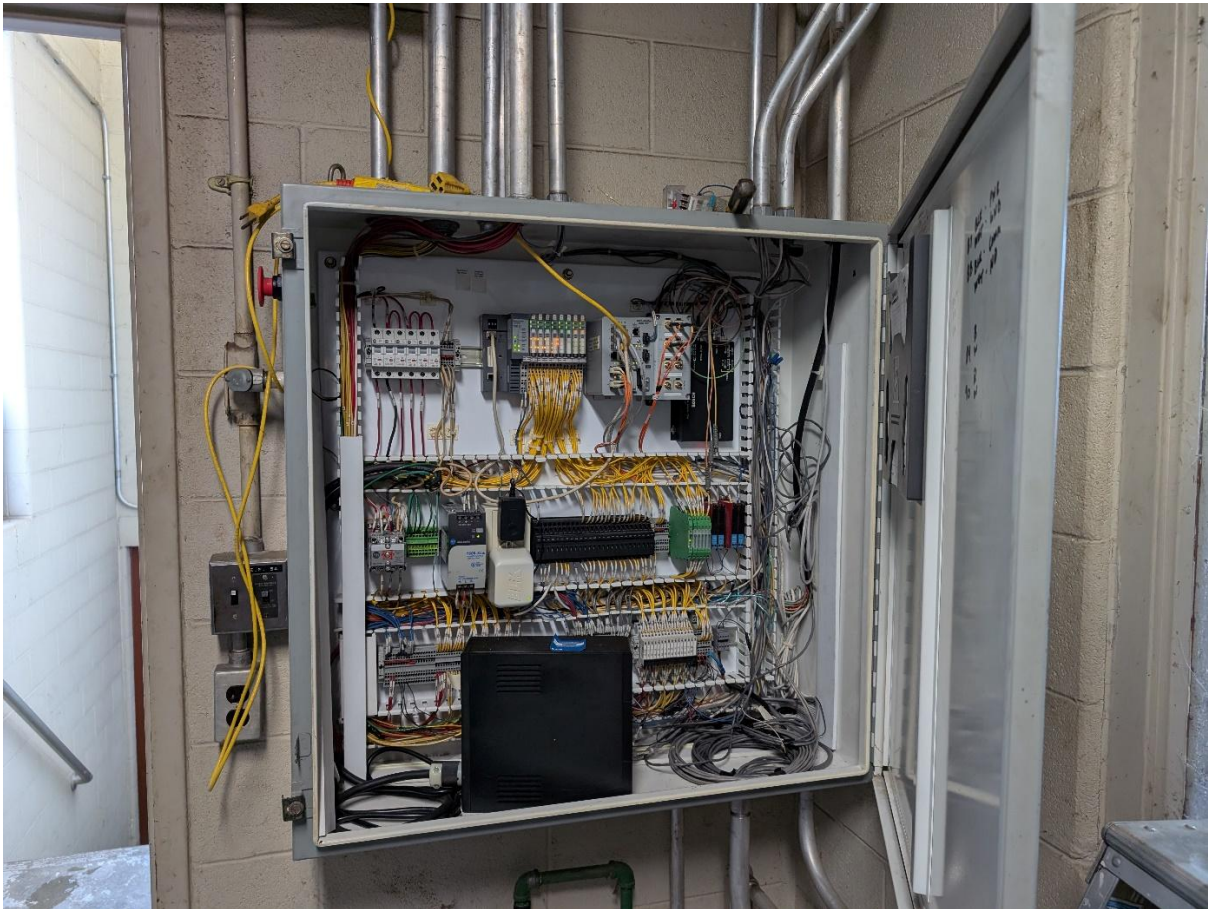
A35: Possibly, depending on the location and potential future projects.

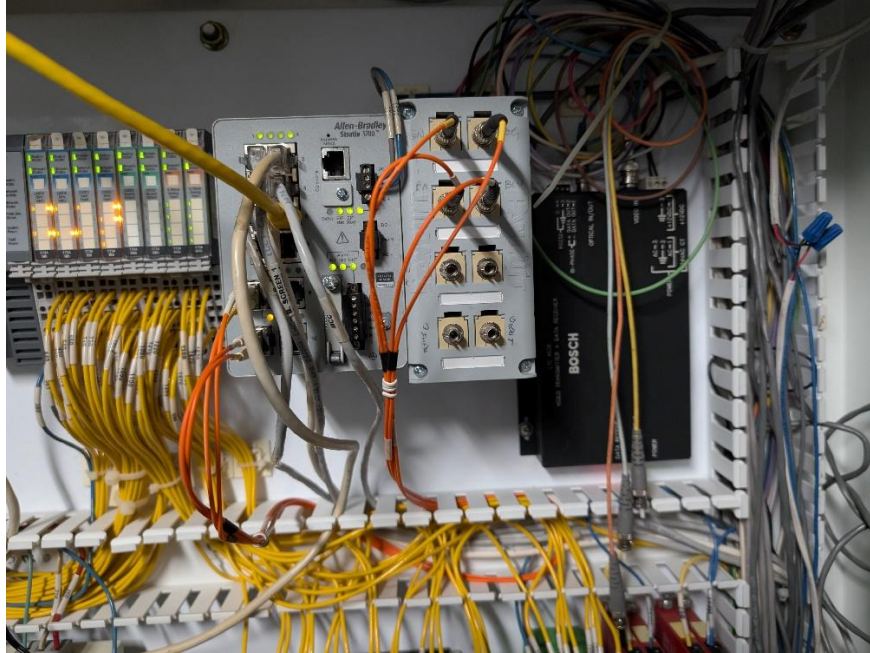
Q36: After the site walk it was mentioned that more cameras may be needed throughout the facility is there an updated quantity need for the Water Pollution Facility?

A36: Please see Answer 6.

Third Avenue Bar Screen

Local Fiber & Network





Front of Bar Screens

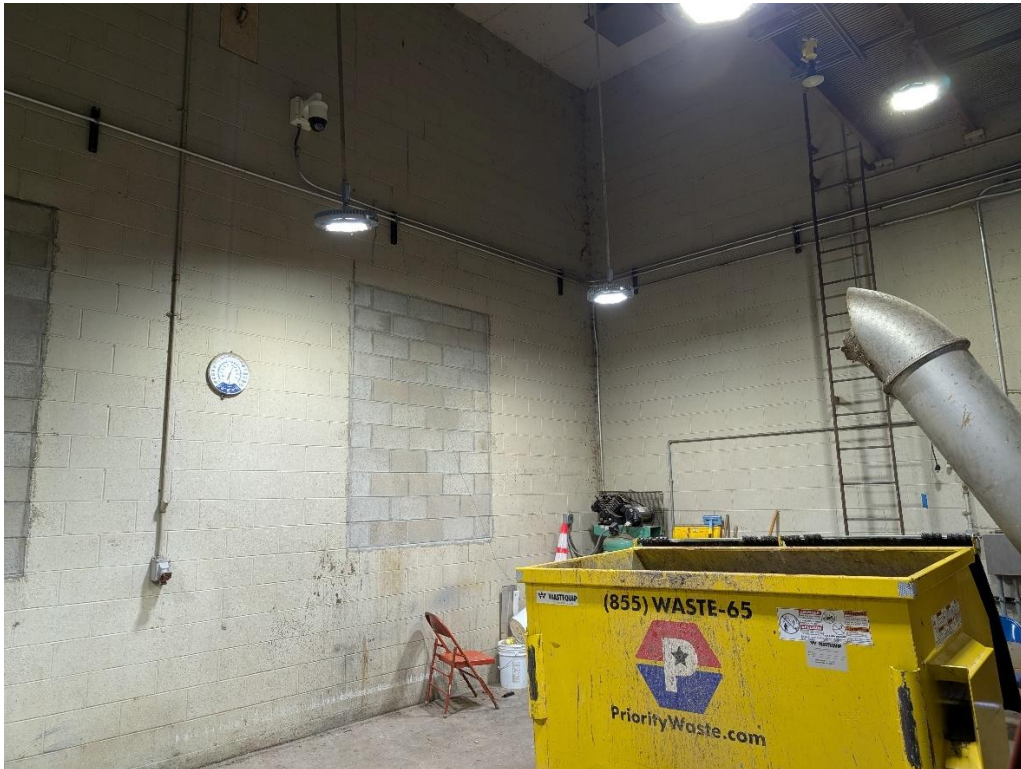


Rear of Bar Screens



The probably best location of the new camera is on the ceiling between the two bar screens or slightly behind to get the best view of both the front and rear of the bar screens and the conveyor.

Dumpster/Garage Area



This camera is actually a replacement as noted in the top picture.