Project Location:

61 Putnam Avenue
Detroit, Michigan 48202
General Notes:
1. Contractor to provide three (3) years warranty on products and labor
2. WSU will provide POE switches
3. WSU will provide camera’s licenses
4. All pathways to be field verified by the contractor
5. All cable connections will terminate in a patch panel located at the black electronics rack adjacent to the parking structure office in mechanical room 110.3
6. All work shall adhere to the Wayne State University standards for communications infrastructure located at https://computing.wayne.edu/docs/wsu-communications-standards-pdf

Scope of Work:
1. Demolish and dispose unused conduit, old cabling and old existing cameras.
2. Demolish the existing monitors located in room 110.1 at first floor.
3. Provide and install a new PVC 2", 1.25" and 1" conduits raceway throughout the parking structure to support the Category 6 cabling and utilize portion of the approved existing raceway when applicable.
4. Provide and install the required PVC pull boxes, straps, expansion couplings and connectors.
5. Provide and install the required 2" and 4" floor cores and dispose of dust and concrete.
6. Provide and install the required CommScope Cat 6 cable to eighty-two (82) cameras
7. Provide and install two (2) CommScope 48 port, Cat 6 patch panels.
8. Provide and install sixty eight (68) Axis P3364-VE network camera
9. Provide and install eleven (11) Axis M3027-PVE network camera
10. Provide and install three (3) Axis Q3505-VE network camera
11. Provide and install Axis T8129 Hi-POE as required for data run that exceed 300ft.
12. Provide and install Ditek-MRPOE surge protectors for the cameras exposed on the roof and facing the parking structure.
13. Provide and install the required junction boxes for the POE extenders
14. Provide and install the required violet patch cords
15. Terminate and test all cables
16. Test and adjust all cameras

Alternates
ALT. #1:
Provide and install one (1) Axis Q6045-E Mk II PTZ Dome network camera on the North-West exterior wall of the 6th floor with all required PVC conduits, cables and gooseneck mount.

ALT. #2:
Provide and install one (1) Axis Q6045-E Mk II PTZ Dome network camera and one (1) Axis Q6000-E PTZ Dome network camera on the North-West exterior wall of the 6th floor with all required PVC conduits, cables and gooseneck mount.

ALT. #3:
Provide and install one (1) Axis Q8414-LVS network camera in each elevator with all required conduits and cables. (Total three (3) cameras.) Wayne State University will carry the elevator company contract.

Please refer to drawing PS6-10 for more details.

New Work Notes:
1. The contractor should be certified.
2. The locations and directions for cameras should be approved by Wayne State University prior installation.
3. Only the listed camera’s models listed in the bid documents are approved.
4. The contractor is responsible for all necessary equipment, lifts, ladders, wire dollies and power and hand tools required to complete the project.

Title: General notes and scope of work
PS6-1
10/08/2015

Wayne State University
Design and Construction Services
WSU Project: Parking Structure 6 Upgrade
WSU Project number: 088-271457
Cameras:

Model A: Axis P3384-VE network camera
Model B: Axis M3027-PVE network camera
Model C: Axis Q3505-VE network camera
Model D: Axis Q6045-E MK II PTZ Dome network camera
Model E: Axis Q6000-E PTZ Dome network camera
Model F: Axis Q8414-LVS network camera

Makes and models with a hyperlink to the specific products:

Camera's schedule:

<table>
<thead>
<tr>
<th>Floor</th>
<th>Model A</th>
<th>Model B</th>
<th>Model C</th>
<th>Model D</th>
<th>Model E</th>
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</tbody>
</table>

Key Notes

1. Camera Model A
2. Camera Model B
3. Camera Model C
4. Camera Model D
5. Camera Model E
6. Use the existing mount pole
7. Provide new mount pole (to match the existing)
8. Provide new mount pole mount on the exterior side
9. ALT. #1
10. ALT. #2

Title: Key notes and Cameras

PS6-2  10/08/2015

Wayne State University
Design and Construction Services
WSU Project: Parking Structure 6 Upgrade
WSU Project number: 088-271457