

28 20 00 – Closed Circuit TV System

DIVISION 28 – Electronic Safety and Security



STATEMENT OF PURPOSE & BACKGROUND

- Scope:
 - Provide Closed Circuit TV system that includes but is not limited to cabling, cameras, network video recorders, network switches and necessary ancillary equipment.
 - Owner may provide some equipment. SPPS Project Manager (PM) will provide material list of any Owner provided equipment.
 - Contractor shall install Owner provided equipment and all other necessary cabling and equipment required to ensure a fully functional system.
 - Equivalent manufacturers must be approved in writing by SPPS PM and in accordance with the provisions of the Contract.

- Revision history of section:
 - 03/04/2019 (date of adoption)
 - 03/30/2021

OUTLINE SPECIFICATION

- Part 1 General
 - Refer to Division 27 Structured Cabling for Cabling requirements.

- Part 2 Products
 - Owner provided equipment: The following equipment will be provided by the District.
 - Panasonic WV-SFV631 or equivalent
 - Panasonic WV-SFR311A with WV-Q174B Bracket or equivalent
 - Panasonic WV-SW598 or equivalent, -PTZ-
 - Exacqvision (XX)08-(XX)T-R2A or equivalent, -NVR-
 - Cisco 2960 or equivalent, -Network Switch-

 - Cabling Infrastructure: Cat6A
 - See Section 271000

 - Lightning Protection: Cat6A
 - TII Technologies
 - Prior approved equivalent.

- Part 3 Execution
 - Where raceway is not furnished, provide J-hooks to support all cabling. J-hooks shall be no less than one inch wide.
 - All cabling, installation and programming are by contractor.
 - All CCTV cabling shall reside on separate patch panels from all other data cabling.
 - Confirm and verify all camera locations and camera views with the site, SPPS PM and an SPPS Security and Emergency Management (SEM) representative prior to installation and final acceptance.
 - Contractor shall program and configure camera names and all preset positions to District Standards.
 - SPPS camera label designation: Color shall be Yellow, Font=Bold Arial 10, Order= Name/Time/Date. Text shall not obscure view.
 - Program camera naming convention as directed by Owner and site.
 - Set motion detection and recording for all cameras.
 - Exterior Cameras shall be set to record at all times.
 - Interior cameras shall be set for motion record only; record 2 seconds before motion and stop 2 seconds after motion.
 - Contractor shall install viewing clients on up to three end user devices.
 - Programming shall include adding clients, setting permissions and access levels, downloading updates and any additional training recommended by manufacturer for successful operation of the systems.
 - Contractor shall set password levels to be individually assigned to allow or disallow operator access to program functions for each location.
 - Camera locations are to be reviewed with PM, site and SEM.
 - Cameras location general guidelines:
 - Primary doors; Student/Public, Staff and delivery/dock.
 - Student pick up/drop off areas; bus and parent zones.
 - Restroom common spaces.
 - Playgrounds.
 - Corridor areas identified by PM, site and SEM.
 - Other problem areas identified by PM, site and SEM.

End of Section