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.
  - Camera locations 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