OFFICE OF FACILITIES MANAGEMENT – SCOPE OF SERVICES

Project Name:	County Landfill Cameras
Address:	Lake County Landfill — Haz Mat Trailer, [13130 County Landfill Road, Tavares, FL 32778]
Project Manager:	Mike Pritt

Unless otherwise noted, the Contractor shall provide all required labor, material, equipment, plans, engineering, surveys, permitting, and local and state inspections to provide 100% turnkey project. Change orders shall not be issued for incidental items or tasks that should have been reasonably construed to be part of the project by the Contractor.

1. PURPOSE

A. The purpose of this solicitation is to select a Contractor to furnish and install a turnkey two (2) camera video surveillance system with a network video recorder (NVR) to cover the utility vehicles where they are parked after hours at the Haz Mat Trailer area of the County Landfill, as shown in Exhibit A (Haz Mat Camera Design).

2. SCOPE OF WORK

A. The Contractor shall hold all licenses required by the State of Florida for low-voltage and video surveillance system work and shall be a manufacturer-authorized installer of the specified equipment.

B. Coordinate a pre-installation site walk with the Project Manager to confirm camera mounting locations, the NVR location, cable routes, power, the network connection point, site access, and hours of work. Work hours shall be 8:00 a.m. to 5:00 p.m., Monday through Friday unless otherwise approved in writing by the Project Manager.

C. Furnish the following, as shown in Exhibit A. No substitution of the specified equipment shall be made.

1) One (1) Avigilon ENVR2 Plus network video recorder, 8-port, 4 TB (part number ENVR2-PLUS-8P4-NA).

2) Two (2) Avigilon H6A outdoor bullet cameras, 8 MP, 31x zoom lens (6.91–214.64 mm), with infrared (IR) illumination and onboard video analytics (part number 8.0C-H6X-BO2-IR).

3) All mounts, junction boxes, cabling, hardware, software, and licenses needed for a complete operating system, including recording, live view, playback, video export, and remote viewing from the County network. Any recurring license or subscription fees shall be clearly identified in the Contractor's quote.

D. Mount both cameras on the Haz Mat Trailer at the locations shown in Exhibit A, at a mounting height of approximately 10.5 feet, aimed to cover the area where the vehicles are parked. Each camera shall cover a scene approximately 25 feet wide at a target distance of approximately 45 feet, with a pixel density at the target of not less than 60 pixels per foot.

E. Install the NVR inside the Haz-Mat Trailer, secured and ventilated per the manufacturer's requirements, and connected to power through a Contractor-furnished surge protector.

F. Furnish and install outdoor-rated Category 6 cable from each camera to the NVR, concealed where practical and in conduit where exposed, labeled at both ends, and tested. Cameras shall be powered by Power over Ethernet (PoE) from the NVR. The Contractor

shall verify the NVR's PoE output meets the cameras' full power requirement, including IR illumination, and furnish PoE injectors if it does not.

G. The County will provide the network switch and port for connection to the County network for remote viewing [and a 120-volt power source at the NVR location]. Connect the NVR to the County-provided port and coordinate IP addressing, user accounts, and remote viewing setup with the County's Information Technology representative. Update all equipment to current firmware, change all default passwords, and turn over all administrator credentials to the County.

H. Configure recording per Exhibit A:

1) 8 MP resolution at 30 images per second, H.264 format.
2) Video retention of not less than [30] days at the configured settings.
3) IR night operation verified to produce a usable image of the Gator parking area in darkness.

I. Seal all building penetrations weathertight. Repair or replace, at the Contractor's expense, any items damaged during the course of the work.

J. Demonstrate the complete system to the Project Manager, including live view from both cameras, the night (IR) image, recording, playback, video export, and remote viewing over the County network. Provide [up to one (1) hour of] on-site training for County staff on live viewing, playback, and exporting video.

K. Remove all debris, excess material, and equipment from the site daily and upon completion of the work. Schedule a final inspection with the Project Manager and complete all punch list items prior to final acceptance and payment.

L. At closeout, submit all warranties, product data, license documentation, equipment serial numbers, IP address assignments, and an as-built drawing showing camera locations and cable routes.