ITEM #1112284A — VEHICLE DETECTION MONITOR

Description:

 Furnish and install a Vehicle Detection Monitor with stand in the Controller Cabinet.

Materials:

 All hardware shall be new, corrosion-resistant. All equipment shall be current production.

Physical:

* Compact and easily accessible stand-mounted LCD/ LED Flat Panel Display.
* Diagonal screen size minimum 10 inches and maximum 15 inches.
* Withstand temperatures ranging from -4 to 140°F (-20 to 60°C).
* Operating humidity: 10-90% non-condensing.

Functional:

* Compatible with Color or Monochrome Detection systems.
* Industrial-grade video panel.
* ANSI contrast ratio of 300:1 minimum.
* Minimum brightness level: 400 candelas per square meter (400 lux).
* Native resolutions: 1024 (horizontal) x 768 (vertical).
* Support both National Television Standards Committee (NTSC) and Phase Alternating Line (PAL) video formats with auto-sensing.
* Minimum viewing angle: 140 degrees horizontally, 120 degrees vertically.
* On-Screen Display (OSD) controls brightness, contrast, color as well as horizontal and vertical positioning.
* Compatible with video detection processor output. Use appropriate converters/ adapters if necessary.
* Operable on 110 VAC or 220 VAC, 50 or 60 Hz.
* FCC, Voluntary Control Council for Interference (VCCI), Electromagnetic Compatibility (EMC), Consumer Electronics (CE) approved, UL listed and Energy Star efficient.
* MTBF Rating: 50,000 hours minimum.

**Warranties and Guarantees:**

 Provide warranties and guarantees to the **Department of Transportation Office of Maintenance** in accordance with Article 1.06.08 of the Standard Specifications. Warranties for all equipment furnished as part of this Contract are to cover a period of 24 months following successful completion of the entire intersection acceptance test.

Method of Measurement:

 The Vehicle Detection Monitor will be measured for payment as the number of units furnished, installed, operational and accepted.

## Basis of Payment:

##  This work will be paid at the Contract unit price for each accepted “Vehicle Detection Monitor,” which price shall include the Vehicle Detection Monitor, stand, documentation, warranty, labor, tools and equipment incidental thereto.

## Pay Item Pay Unit

Vehicle Detection Monitor EA.