GENERAL NOTES:

1. Lowering device to be shipped ready for pole attachment to include 100 ft. of composite power and signal cable pre-wired to lowering device at the factory.
2. The lowering device manufacturer shall supply both a portable lowering tool with a manual hand crank and a half-inch chuck variable-speed reversible industrial-duty electric drill that matches the winch’s manufacturer-recommended revolutions per minute. One lowering tool per every 10 lowering devices is required.
3. The lowering device manufacturer shall provide an on-site installation inspection and operator instruction and certification. This ensures the product is assembled correctly and that all necessary persons are trained in the proper, safe operation of the system. Before erecting the first pole the contractor must contact the lowering device supplier and schedule a manufacturer’s representative to be on-site.
5. Camera to be mounted to camera junction box and stabilizing weight via 1 1/2" Standard NPT Pipe Thread.
6. Use air terminal extension when the pole top junction box is wider than top of pole.
7. The stainless steel device lowering cable shall be installed inside the pole within a 1 1/2" diameter PVC conduit.
8. All communication and power cables must be neatly bundled and secured.
10. See Index 641-020 for concrete pole details and Index 649-020 for steel pole details.

For Power, Data And Video
TVSS Surge Protection
Strain Relief Fitting

Pole Details On Separate Drawing
Ground Rod Base
Mount To Side Of Pole

Pole Details

Divided Channel Arm

Camera Lowering Device Detail

Camera Mounting With Lowering Device
Camera Mounting with Fixed Bracket

**General Notes:**

1. Verify the pole type, the dimensions of the pole at the pole of installation of the camera mount, and angle with respect to the roadway before manufacturing camera mount assembly.

2. Design camera mounting arm and connection to the pole according to FDOT Structures Manual (current edition).

3. No field welding shall be permitted.

4. Mounting bracket arm shall be level after installation.

5. The contractor shall submit shop drawings for the proposed fixed mounting arm, signed and sealed by a Professional Engineer registered in the State of Florida, to the Engineer for review and approval.


7. Galvanized pipe connections and conduit entry points shall be sealed in accordance with Specification 690.

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**Fixed Mounting Bracket Detail**

- Pole Plate with Stainless Steel Band (or method approved by engineer)
- Camera Mounting Arm
- Camera Support Base
- Stainless Steel Band
- Camera Connector Harness Supplied To Match Camera
- Strain Relief Fitting
- Fitting
- Assembly (Typ) Dome Type Camera Fitting
- Strain Relief
- By CCTV Manufacturer

**Not To Scale**

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**Section AA**

- Camera Mouting Assembly (Typ)
- Pole Plate with Stainless Steel Band
- Camera Cabling To Pole
- Pole Plate with Stainless Steel Band
- Camera Support Base By An Aluminum To Copper #2-#14 AWG Bond #4 AWG Tin-Plated Bare Solid Copper Ground Wire To Ground Arm Holder
- Attached To Camera Base With A Stainless Steel Screw
- Remove Paint Or Protective Coating Where Attaching Lug
- Attached To Camera Base With A Stainless Steel Screw
- Camera Support Base By An Aluminum To Copper #2-#14 AWG Bond #4 AWG Tin-Plated Bare Solid Copper Ground Wire To Ground Arm Holder
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**Camera Mounting Details**

FY 2019-20

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