TYPICAL SIGNAL PULL BOX AND CONDUIT DETAILS

STANDARD PULL BOX NOTES:

1. Access to conduit box shall be in accordance with Section 26.6 and 66 of the Joint Standard Specifications for Road and Bridge Construction.
2. Pull boxes shall have an open bottom, pull box materials shall be heavy-duty composite reinforced polymer concrete with a minimum AASHTO T225 rating (Class C or I) or non-metal.
3. Pull boxes shall be provided with concrete aprons when not located within sidewalk. Aprons shall be finished to match the sidewalk and be flush with finished grade of 3,000 psi structural class 1 concrete. The cost of the apron is to be included in the cost of furnish and install pull box.

4. Pull box shall not be placed in pedestrian ramps. Pull boxes shall not be located at the bottom of any catch basin or retention area, or on any other low-lying location with ponding potential. Pull boxes installed along a burred surface shall match the slope of the existing surface. Outside of limits of curb ramp.

5. Pull boxes shall be placed a foot of curb, if there is no curb, then pull boxes shall be placed at least 1 foot from the edge of pavement.

6. When pull boxes are installed in existing sidewalks, the entire length of sidewalks will be relocated. This cost is included in the pull box price.

7. When trenching, pull boxes shall be placed at least 1 foot of curb, if there is no curb, then pull boxes shall be placed at least 1 foot from the edge of pavement.

8. Maximum number of conduit into pull box shall be 6.

FIBER OPTIC PULL BOXES:

1. Pull boxes shall be spaced at a distance of 200 feet +/− 30 feet or at a distance agreed by the communications manager.

2. Shall be a minimum of 10" from curb radius and driveway entrances, right-of-way permitting.

3. Shall be "Heavy Duty" non-metallic, or polymer material, with an open bottom and rated for a static design load of at least 2,500 lbs, over a 10" square area.

4. Cover (lid) shall be heavy-duty with a minimum and T225 rating, or polymer material, and shall be flush seated.

CONDUIT NOTES:

1. Length of conduit shall be sealed with duct seal. All conduit materials shall be in accordance with Section 26.6 of the Joint Standard Specifications for Traffic Control, Signal Devices, Accessories.

2. Pull boxes shall be located on the alignment of three quarter bores or 270 degrees of bends, including the termination bends, between the two points of termination in the conduit, without a pull box.

3. Install a 4" ARMOR PULL WIRE in one span conduit and a RIGGER WIRE in other span conduits, as approved by the FDOT. All Underground Conduits shall be copper clad 14 or stainless steel clay electrical conduit, except for Fiber Optic Conduit which shall be orange, or as indicated in the plans.

4. Each signal conduit shall be a minimum 2" in diameter and meet NEC requirements.

5. All references in the plan to steel conduit shall be installed as galvanized steel metal conduit.