

Specification Section 635

Subarticle 635-3

ORIGINATION

Date: 6-10-26

Name: Ronald Meyer

Email: Ronald.Meyer@dot.state.fl.us

COMMENTARY

Propose updating content to clarify that box ID plates must be installed per the box manufacturer's instructions and that the Engineer must be notified if the Contractor encounters unsuitable installation locations. Also removing requirements for cable installation that are covered sufficiently in Section 633.

INTERNAL COMMENTS AND RESPONSES

(Please note all comments and responses are verbatim as received. The Specifications Office does not alter typos or grammar.)

BLACK = Comment **BLUE** = Specifications Response **GREEN** = Change Made to Specification

Name: Engy Samaan

Date: 6-18-26

COMMENT: 1. Why was the “Do not subject cable to a bend radius of less than 14 times the diameter of the cable” , removed? This spec also helps signal maintaining agencies hold contractors accountable to not “over-stuff” the pillboxes. Note that section 633 addresses only fiber cable - it does not appear to address signal cable.

2. We suggest using “curb ramps transition slopes, ramps and detectable warnings” instead of “public sidewalk curb ramps” “Public sidewalk curb ramps” may be interpreted as including the landing area and the adjacent sidewalks.

RESPONSE:

1. The bend radius can vary depending upon cable size and type, so the specific requirement related to “less than 14 times the diameter of the cable” was removed. The draft has been subsequently modified to help ensure that boxes are properly sized and that wires or cables are not bent beyond their safe radius, that they are routed and placed neatly, and not forced, compressed, crimped, etc.

2. The suggestion to clarify that boxes must not be installed in ramps or transition slopes has been incorporated into the latest draft.

ACTION TAKEN: Changes made as described above.

Specification Section 635

Subarticle 635-3

ORIGINATION

Date: 6-10-26

Name: Ronald Meyer

Email: Ronald.Meyer@dot.state.fl.us

COMMENTARY

Propose updating content to clarify that box ID plates must be installed per the box manufacturer's instructions and that the Engineer must be notified if the Contractor encounters unsuitable installation locations. Also removing requirements for cable installation that are covered sufficiently in Section 633.

INDUSTRY COMMENTS AND RESPONSES

(Please note all comments and responses are verbatim as received. The Specifications Office does not alter typos or grammar.)

BLACK = Comment **BLUE** = Specifications Response **GREEN** = Change Made to Specification

Name: Joey DeFrancisco

Date: 7-9-26

COMMENT: Under 635-3.1, recommend more detail/constraints for 'safe radius'.

RESPONSE: Agreed. The “safe radius” refers to the minimum bending radius of a given cable type. This is the smallest radius to which a cable can be bent without compromising performance or other damage. The value will vary depending on cable type, construction, insulation materials, etc. There are guidelines in the NEC and this value (typically expressed as a multiple of the cable’s outer diameter) is a constraint typically found in manufacturer data sheets and technical specifications for specific cables.

ACTION TAKEN: Edited proposed draft to state that cable bends and coils must not exceed the minimum bending radius indicated by the cable manufacturer.

Name: William Reynolds

Date: 7-9-26

COMMENT: Should safety, access and stability be referenced in the direction? Not to repeat any specification, but to reference the required associated spec for compaction (density), slope, handrail, slope support, etc.

RESPONSE: Agreed. Additional language could help prevent instances of poor installation on steep slopes and embankments that result in difficult/unsafe maintenance access, cracking, surrounding erosion/washout, etc.

ACTION TAKEN: Edited proposed draft to incorporate recommendation.

Name: Huijing Qiang

Date: 7-16-26

COMMENT: Section 635-3.1 proposed changes state the following: “Neatly route wires and cables within boxes and neatly place slack coils in the bottom portion of the box”. The slack cables should be hung on the cable support hooks in the pull box if available. Our recommendation is to reword to the following: o Neatly route wires and cables within boxes and neatly hang slack coils on cable support hooks, if present, otherwise place slack coils in the bottom portion of the box

RESPONSE: Agreed. Cables should be stored on support hooks when appropriate and available.

ACTION TAKEN: Edited proposed draft to incorporate recommendation.

Name: Katherine Chinault

Date: 8-3-26

COMMENT: Suggest revising the statement regarding box placement to the following: Do not install boxes in roadways, driveways, parking areas, public sidewalk curb ramps, transition slopes, 'within identified drainage features', or in low-lying locations with poor drainage and notify the Engineer of any unsuitable locations encountered.

RESPONSE: Agreed.

ACTION TAKEN: Edited proposed draft to incorporate recommendation.