

Specification Section 635

Subarticle 635-2

ORIGINATION

Date: 6-12-2025

Name: Ronald Meyer

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

COMMENTARY

Proposing changes to minimum requirements for embedded junction boxes based on manufacturer recommendations and FDOT project experience.

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: Deborah Ihsan

Date: 6-30-25

COMMENT: 6350200-“Use galvanized steel boxes with covers that are a minimum thickness of 3/8” for embedded junction boxes exposed to vehicular impacts.” Comment- may be rephrased as - Embedded junction boxes exposed to vehicular impacts, shall have galvanized steel boxes capable of withstanding vehicular impacts, with covers that are a minimum of 3/8” thick. Thanks for the opportunity to review.

RESPONSE: We have incorporated this suggestion and edited the sentence to be more concise.

ACTION TAKEN:

“Use galvanized steel boxes with covers that are a minimum thickness of 3/8” for embedded junction boxes exposed to vehicular impacts.”

Replaced by:

“Embedded junction boxes exposed to vehicular impacts must have galvanized steel covers with a minimum thickness of 3/8 inch.”

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Date: 6-12-2025

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

COMMENTARY

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INDUSTRY COMMENTS AND RESPONSES

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Name: Russ Sibley

Date: 8-14-2025

COMMENT: AS per the revision, the thickness of the box has not been noted and the ASTM reference number for the steel type and galvanizing have been removed. the following was the proposed language..... "Fabricate galvanized steel boxes and their covers from steel meeting the requirements of ASTM A36 or A830 Gr 1010 that is a minimum of 1/8" thick and galvanized in accordance with ASTM A123. Use covers that are a minimum thickness of 3/8" for embedded junction boxes exposed to vehicular impacts." AS I have said as to the cover the roadway allows currently 1/4" thick covers 20 lbs. and the Bridge is 3/8" thick 30 lbs. I believe the 1/4" should be adequate, lets keep in mind that currently most project are using a cover that is less than an 1/8"

RESPONSE: The content referenced regarding material requirements was not removed. It was updated and moved into 996-5.4.3, including incorporation of language proposed by Mr. Sibley.

ACTION TAKEN: No action needed.