



Florida Department of Transportation

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GOVERNOR

605 Suwannee Street
Tallahassee, FL 32399-0450

KEVIN J. THIBAUT, P.E.
SECRETARY

December 17, 2020

Khoa Nguyen
Director, Office of Technical Services
Federal Highway Administration
3500 Financial Plaza, Suite 400
Tallahassee, Florida 32312

Re: State Specifications Office
Section: **425**
Proposed Specification: **4250201 Inlets, Manholes, and Junction Boxes.**

Dear Mr. Nguyen:

We are submitting, for your approval, two copies of the above referenced Supplemental Specification.

The changes are proposed by This change was proposed by Tim Holley from the Roadway Design Office to add concrete requirements for concrete aprons.

Please review and transmit your comments, if any, within two weeks. Comments should be sent via email to daniel.strickland@dot.state.fl.us.

If you have any questions relating to this specification change, please call me at 414-4130.

Sincerely,

Signature on file

Daniel Strickland, P.E.
State Specifications Engineer

DS/rf

Attachment

cc: Florida Transportation Builders' Assoc.
State Construction Engineer

INLETS, MANHOLES, AND JUNCTION BOXES (REV 10-20-20)

SUBARTICLE 425-2.1 is deleted and the following substituted:

425-2 Composition and Proportioning.

425-2.1 Concrete: For inlets, manholes, and junction boxes, use Class II or IV concrete, as designated in the Plans and Standard Plans and as specified in Section 346. For concrete aprons and yard drains, use concrete as specified in Section 347.

SUBARTICLE 425-3.2 is deleted and the following substituted:

425-3.2 Gratings, Covers, and Frames: Use gratings and frames fabricated from structural steel or cast iron as designated in the appropriate Standard Plans Index. When “Alt. G” grates are specified in the Plans, provide structural steel grates that are galvanized in accordance with the requirements of ASTM A123 and hardware galvanized in accordance with the requirements of ASTM A153.

Use rigid frames and covers either 24 inches or 36 inches or optional three-piece adjustable frames and covers as indicated in Standard Plans, Index 425-001.

For three-piece adjustable frames, the inner frame may include replaceable resilient seats to support the cover. In addition, the inner frame shall indicate it is adjustable, by clearly having the word “adjustable” imprinted into the exposed portion of the inner frame so “adjustable” is visible from the roadway after installation.

ARTICLE 425-8 is deleted and the following substituted:

425-8 Method of Measurement.

The quantities to be paid for will be the number of inlets, manholes, junction boxes, and yard drains, completed and accepted; and the number of structures of these types (including also valve boxes) satisfactorily adjusted. Performance Turf will be paid in accordance with Section 570.

SUBARTICLE 425-9.1 is deleted and the following substituted:

425-9 Basis of Payment.

425-9.1 New Structures: Price and payment will be full compensation for furnishing all materials and completing all work described herein or shown in the Plans, including all clearing and grubbing outside the limits of clearing and grubbing as shown in the Plans, all excavation except the volume included in the measurement designated to be paid for under the items for the grading work on the project, all backfilling around the structures, the disposal of surplus material, and the furnishing and placing of all aprons, gratings, frames, covers, and any other necessary fittings.

SUBARTICLE 425-9.3 is expanded by the following:

425-9.3 Payment Items: Payment will be made under:

- Item No.425- 1- Inlets - each.
- Item No.425- 2- Manholes - each.
- Item No.425- 3- Junction Boxes - each.
- Item No.425- 4- Adjusting Inlets - each.
- Item No.425- 5- Adjusting Manholes - each.
- Item No.425- 6- Adjusting Valve Boxes - each.
- Item No.425- 8- Adjusting Miscellaneous Structures - each.
- Item No.425- 10- Yard Drains - each.
- Item No. 425- 17- Back of Sidewalk Endwall - each.

INLETS, MANHOLES, AND JUNCTION BOXES (REV 10-20-20)

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425-3.2 Gratings, Covers, and Frames: Use gratings and frames fabricated from structural steel or cast iron as designated in the appropriate Standard Plans Index. When “Alt. G” grates are specified in the Plans, provide structural steel grates that are galvanized in accordance with the requirements of ASTM A123 and hardware galvanized in accordance with the requirements of ASTM A153.

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- Item No.425- 5- Adjusting Manholes - each.
- Item No.425- 6- Adjusting Valve Boxes - each.
- Item No.425- 8- Adjusting Miscellaneous Structures - each.
- Item No.425- 10- Yard Drains - each.
- Item No. 425- 17- Back of Sidewalk Endwall - each.