

Origination Form

Specifications

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Date:	2025-06-20T13:07:14Z	Associated Specs:	None

Summary:

(1) clarify timing of backfill around cast-in-place elements and non structural applications. (2) clarify site restoration when replacing an existing drainage structures and/or pipe. (3) clarify method of measurement for bases, pavements, curbs, curb-and-gutter, valley gutter, ditch pavement, or rubble gutter (4) clarify basis of payment for excavation and backfilling of bridge structures, drainage structures, and pipes up to bottom of base. Coordination was done to address the BOE note for the 125-1-A pay item found in Section 455D.

Justification:

Clarifications were necessary to eliminate confusion on pay item choice for excavation and embankment of drainage structure and pipe vs bridge structures. Additional language added to clarify timing of backfill around cast in place elements and non structural applications.

Do the changes affect other types of specifications?

Neither

List Specifications Affected:

Other Affected Documents/Offices	Contacted	Yes/No
Other Standard Plans		No
Florida Design Manual		No
Structures Manual		No
Basis of Estimates Manual	Joshua Toole	Yes
Approved Product List		No
Construction Office		No
Maintenance Office		No
Materials Manual		No

Are changes in line with promoting and making progress on improving safety, enhancing mobility, inspiring innovation, and fostering talent; explain how?

Revisions to this specification is critical to ensure that accurate information and instructions are communicated to the Contractor and industry partners and its representatives, to therefore, improve safety, enhance mobility, inspire innovation, and foster talent.

What financial impact does the change have; project costs, pay item structure, or consultant fees?

The revisions have no financial impact.

What impact does the change have on production or construction schedules?

The revisions have no impact on production or construction schedules.

How does this change improve efficiency or quality?

The revisions improve efficiency and quality by providing clear and specific instructions to the Districts/Contractors.

Which FDOT offices does the change impact?

Design and Construction

What is the impact to districts with this change?

The revisions provide clarification and detail.

Does the change shift risk and to who?

There is no shift in risk.

Provide summary and resolution of any outstanding comments from the districts or industry.

Comments and Responses are available on the Track the Status of Revisions hyperlink located on the Specifications landing page: <https://www.fdot.gov/programmanagement/Specs.shtm>

What is the communication plan?

Through the established specification revision process (e.g., Internal and Industry Review)

What is the schedule for implementation?

The Standard Specifications eBook and Workbook are effective July 1st every year.

EXCAVATION AND EMBANKMENT FOR STRUCTURES AND PIPE (REV 6-20-25)

ARTICLE 125-1 is deleted and the following substituted:

125-1 Description.

Excavate for box culverts, pipes, retaining walls, headwalls for pipes and drains, catch basins, drop inlets, manholes, and similar structures. Construct and remove cofferdams, sheeting, bracing, etc.; pump or otherwise dewater foundations; remove and dispose of any existing structures or portions of structures not covered by other items in the Contract, including foundations, abutments, piers, wings, and all other materials, obstructions, etc., found necessary to clear the site for the proposed work; backfill, dispose of surplus material, and perform final cleaning, as may be necessary for the proper execution of the work. ~~This Section does not include excavation for bases or pavements, curbs, curb and gutter, valley gutter, ditch pavement, or rubble gutter.~~

125-1.1 Trench Excavation Safety System and Shoring, Special (Trench Excavation): When performing trench excavation in excess of 5 feet in depth, comply with the Occupational Safety and Health Administration's (OSHA) trench safety standards, 29 CFR 1926, Subpart P, and all subsequent revisions or updates adopted by the Department of Labor and Employment Security. Ensure that trench boxes are wide enough to accommodate compaction and density testing.

Submission of bid and subsequent execution of the Contract will serve as certification that all trench excavation in excess of 5 feet in depth will be in compliance with Section 553.62, Florida Statutes.

Consider all available geotechnical information when designing the trench excavation safety system.

Consider these and any more stringent trench safety standards as minimum Contract requirements.

SUBARTICLE 125-8.1.5 is deleted and the following substituted:

125-8.1.5 Time of Placing Backfill: Do not place backfill against any ~~masonry or concrete abutment, wingwall, or culvert~~ cast-in-place concrete elements used for structural applications until the Engineer's approval ~~has given permission to do so,~~ and in no case until the structural masonry or concrete has been in place seven days or until the specified 28-day compressive strength ~~occurs~~ is achieved. Do not place backfill against components used for non-structural applications such as mortar used for joints and concrete jackets for a minimum of 24 hours, or unless authorized by the Engineer.

ARTICLE 125-10 is deleted and the following substituted:

125-10 Site Restoration.

Wherever the existing site is disturbed solely for the purpose of ~~constructing or removing box culverts, pipes, inlets, manholes, etc.,~~ and replacing existing drainage structures and/or pipes, completely replace and restore the site to the Engineer's satisfaction, without additional compensation.

ARTICLE 125-12 is deleted and the following substituted:

125-12 Method of Measurement.

No separate measurement or payment will be made for work under this Section. Meet the requirements of Section 110 for excavation of bases, pavements, curbs, curb-and-gutter, valley gutter, ditch pavement, or rubble gutter.

ARTICLE 125-13 is deleted and the following substituted:

125-13 Basis of Payment.

Payment for excavation and backfilling of bridge structures, ~~will be made under Section 120. Payment for excavation of~~ drainage structures and pipes ~~system items~~ will be incidental to those items up to the bottom of the base.