



Florida Department of Transportation

RON DESANTIS
GOVERNOR

605 Suwannee Street
Tallahassee, FL 32399-0450

JARED W. PERDUE, P.E.
SECRETARY

August 14, 2025

Daniel Holt, PE, PTOE
Director, Project Delivery
Director, Technical Services
FHWA
400 West Washington Street, Suite 4200
Orlando, FL 32801

Re: State Specifications Office
Section: 125
Proposed Specification: **1250100 Excavation and Embankment for Structures and Pipe**

Dear Mr. Holt:

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

The changes are proposed by Jason Russell to eliminate confusion on pay item choice for excavation and embankment of drainage structure and pipe vs bridge structures and clarify timing of backfill around cast in place elements and non-structural applications.

Please review and transmit your comments, if any, within two weeks (10 business days). Comments should be sent via email daniel.strickland@dot.state.fl.us.

If you have any questions relating to this specification change, please call me at (850) 414-4130.

Sincerely,

Signature on File

Daniel Strickland, P.E.
State Specifications Engineer

DS/jb

Attachment

cc: Florida Transportation Builders' Assoc.
State Construction Engineer

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/or replacing existing drainage structures and/or

pipes, completely replace and restore the site up to the bottom of the base 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.

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

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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.

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 cast-in-place concrete elements used for structural applications until the Engineer's approval and in no case until the structural concrete has been in place seven days or until the specified 28-day compressive strength 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, removing and/or replacing existing drainage structures and/or pipes, completely replace and restore the site up to the bottom of the base 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, drainage structures and pipes will be incidental to those items up to the bottom of the base.