



*Florida Department of Transportation*

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MIKE DEW  
SECRETARY

November 9, 2018

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

Re: State Specifications Office  
Section: **522**  
Proposed Specification: **5220000 Concrete Sidewalk and Driveways.**

Dear Mr. Nguyen:

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

The changes are proposed by Derwood Sheppard of the State Roadway Design Office to modify the language.

Please review and transmit your comments, if any, within two weeks. Comments should be sent via email to [dan.hurtado@dot.state.fl.us](mailto:dan.hurtado@dot.state.fl.us).

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

Sincerely,

Signature on file

Dan Hurtado, P.E.  
State Specifications Engineer

DH/dt

Attachment

cc: Florida Transportation Builders' Assoc.  
State Construction Engineer

**CONCRETE SIDEWALK AND DRIVEWAYS.****(REV 9-13-18)**

SECTION 522 is deleted and the following substituted:

**SECTION 522  
CONCRETE SIDEWALK AND DRIVEWAYS****522-1 Description.**

Construct concrete sidewalks and driveways in accordance with the Plans and the Standard Plans. Sidewalk will include sidewalk curb ramps, landings, transition slopes, sidewalk curb, and edge beams.

**522-2 Materials.**

Meet the requirements specified in 520-2.

**522-3 Forms.**

Provide forms as specified in 520-3.

**522-4 Foundation.**

Shape and compact the foundation materials, upon which the concrete is to be placed, to a firm, even surface, true to grade and cross-slope. Compact fill areas, including cut areas under the sidewalk that have been excavated more than 6 inches below the bottom of sidewalk the concrete, to a minimum of 95% of AASHTO T99 density. The area to be compacted is defined as that includes the area directly under the sidewalk and 1 foot beyond each either side of the sidewalk or driveway, when right-of-way allows.

**522-5 Joints.**

Install expansion and contraction joints in accordance the Standard Plans. **522-5.1 Expansion Joints:** Form 1/2 inch expansion joints between the sidewalk and the curb or driveway or at fixed objects and sidewalk intersections with a preformed joint filler meeting the requirements specified in 932-1.1 Install expansion and contraction joints in accordance with the Plans and the Standard Plans.

**522-5.2 Contraction Joints:**

522-5.2.1 Types: The Contractor may use open type or sawed contraction joints.

522-5.2.2 Open Type Joints: Form open type contraction joints by staking a metal bulkhead in place and depositing the concrete on both sides. After the concrete has set sufficiently to preserve the width and shape of the joint, remove the bulkhead. After finishing the sidewalk over the joint, edge the slot with a tool having a 1/2 inch radius.

522-5.2.3 Sawed Joints: If electing to saw the contraction joints, cut a slot approximately 3/16 inch wide and not less than 1 1/2 inches deep with a concrete saw after the concrete has set, and within the following periods of time:

Joints at not more than 30 feet intervals

.....within 12 hours after finishing.

Remaining joints .....within 96 hours after finishing.

**522-6 Placing Concrete.**

Place the concrete as specified in 520-5.

**522-7 Finishing.**

**522-7.1 Screeding:** Strike-off the concrete by means of a wood or metal screed, used perpendicular to the forms, to obtain the required grade and remove surplus water and laitance.

**522-7.2 Surface Requirements:** Imprint concrete as detailed in the Plans, otherwise provide a broom finish. Ensure that the surface variations are not more than 1/4 inch under a 10 foot straightedge or more than 1/8 inch on a 5 foot transverse section. Finish the outer edges of the sidewalkconcrete with an edging tool having a radius of 1/2 inch.

**522-8 Curing.**

Cure the concrete as specified in 520-8.

**522-9 Method of Measurement.**

The quantity to be paid will be plan quantity, in square yards, completed and accepted. ~~Ramps, reconstructed sidewalks, walk around sidewalks, sidewalk landings, sidewalk curb, and driveways will be included in the area to be paid.~~

**522-10 Basis of Payment.**

Price and payment will be full compensation for all work specified in this Section. Excavation for new installations will be paid for under the items for the grading work on the project.

Payment will be made under:

Item No. 522-                      Concrete Sidewalks and Driveways- per square yard.

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Meet the requirements specified in 520-2.

**522-3 Forms.**

Provide forms as specified in 520-3.

**522-4 Foundation.**

Shape and compact the foundation materials to a firm, even surface, true to grade and cross-slope. Compact areas that have been excavated more than 6 inches below the bottom of the concrete, to a minimum of 95% of AASHTO T99 density. The area to be compacted includes the area directly under and 1 foot beyond each side of the sidewalk or driveway, when right-of-way allows.

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