

5220703 SPECIFICATION
COMMENTS FROM INTERNAL/INDUSTRY REVIEW

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Comments: (Internal 10-21-20)

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 concrete with an edging tool having a radius of 1/2 inch.

522-7.3 Sidewalk Cross Slope Requirements: Construct sidewalk with cross slope as shown in the Plans and Standard Plans. When a maximum cross slope is specified, this cross slope is not to be exceeded. Sidewalks must have cross slopes less than 2.0 % in either the positive or negative direction after construction.

HM Hayden, Mary Jane
The first sentence of Spec Section 522-1 says: "Construct concrete sidewalks and driveways in accordance with the Plans and the Standard Plans."
This sentence here seems repetitive to that. Suggest deleting.

HM Hayden, Mary Jane
Specified where? In the Plans?

HM Hayden, Mary Jane
FDM 22.2.1.3 says the maximum cross slope is 2%.
Shouldn't this say "less than or equal to 2.0%"?

Response: The first sentence will remain as is. This is a construction contract requirement they will have to meet. We agree with the comment and the second sentence has been deleted from the proposed language. We agree with the comment and the language was revised to reflect that sidewalk slopes should not exceed 2%.

Dan Hurtado, P.E.
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Comments: (Internal 10-21-20)

This Spec change is not needed. The 2% cross-slope limit is already provided in the Standard Plans Index 522-001.

Response: Based on conversations with Dan Hurtado and Ananth Prasad, the language was changed during internal review.

Ananth Prasad
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Comments: (Internal 10-21-20)

This has always been an issue as designers put 2% in the plans, and as we know, everything has a tolerance. Now would be a good time for FDOT to issue a Design Memo directing sidewalk cross-slopes of 1.5%.

Response: Based on conversations with Dan Hurtado and Ananth Prasad, the language was changed during internal review.

Chris Hiehle
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Comments: (Industry 11-5-20)

Sidewalk must have some cross slope, but no more than 2% leaves this open to a contractor saying .001% is a cross slope. Sidewalk must have some cross slope, in either the positive or negative direction after construction. is too general, it should mention something about in the direction of the natural flow other wise the contractors will end up having it sloping in the wrong direction causing ponding.

Response: The plans or Standard Plans will specify the required cross slope. This is a construction contract requirement they will have to meet. There will be slope transition points where there is 0% cross slope. No change made.

Mary Anne Koos
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Comments: (Industry 11-5-20)

"in either the positive or negative direction after construction" may be interpreted that direction of the cross slope is at the contractors discretion. Can something be added so that the direction of cross slope has to be consistent with that specified in the plans?

Response: The plans or Standard Plans will specify the required cross slope. This is a construction contract requirement they will have to meet. There will be slope transition points where there is 0% cross slope. No change made.

Anonymous

Comments: (Industry 11-6-20)

Subarticle 522-7.3: Recommend stating "must comply with current ADA requirements "rather than stating specific numbers.

Response: The ADA requirements are criteria stated in the FDOT Design Manual. The purpose of this specification article is for construction tolerances. No change made.

Alan McMillan
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Comments: (Industry 11-6-20)

Recommend replacing: 522-7.3 Sidewalk Cross Slope Requirements: Construct sidewalk with cross slope as shown in the Plans and Standard Plans. When a cross slope is specified, this cross slope is not to be exceeded. Sidewalks must have some cross slope, but no more than 2.0%, in either the positive or negative direction after construction. With: 522-7.3 Sidewalk Cross Slope Requirements: Construct sidewalk with cross slope as shown in the Plans and Standard Plans, not to exceed 2.0%. Sidewalks must have some cross slope, but no more than 2.0%, in either the positive or negative direction after construction.

Response: The language has been modified to address your concerns.

Gene Giambra
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Comments: (Industry 11-23-20)

522-7.3 Sidewalk Cross Slope Requirements: Construct sidewalk with cross slope as shown in the Plans and Standard Plans. When a cross slope is specified, this cross slope is not to be exceeded. Sidewalks must have (Remove "some") cross slope, but no more than 2.0%, in either the positive or negative direction after construction. The word "some" should be removed.

Response: The plans or Standard Plans will specify the required cross slope. This is a construction contract requirement they will have to meet. There will be slope transition points where there is 0% cross slope. No change made.