



Florida Department of Transportation

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GOVERNOR

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Tallahassee, FL 32399-0450

JARED W. PERDUE, P.E.
SECRETARY

August 29, 2022

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

Re: State Specifications Office
Section: **546**
Proposed Specification: **5460100 Rumble Strips.**

Dear Mr. Nguyen:

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

The changes are proposed by David Amato from the Roadway Design Office to add the Standard Plans Indexes associated and include depth measurement on arterials and collectors in the Standard Specification.

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 850-414-4130.

Sincerely,

Signature on file

Daniel Strickland, P.E.
State Specifications Engineer

DS/dh

Attachment

cc: Florida Transportation Builders' Assoc.
State Construction Engineer

RUMBLE STRIPS.
(REV 7-25-22)

ARTICLE 546-1 is deleted and the following substituted:

546-1 Description.

Construct rumble strips in accordance with the details shown in the Plans and Standard Plans, Indexes 546-001, 546-010, and 546-020.

SUBARTICLE 546-3.3 is deleted and the following substituted:

546-3.3 Ground-In Rumble Strip:

546-3.3.1 General: Grind rumble strips that have well-defined edges and smooth interiors without tearing the finished pavement.

On a daily basis, before opening the adjacent lane to traffic, ensure that all debris generated by the grinding process is removed and disposed of by vacuum or a method approved by the Engineer. Do not dispose of the debris within the right of way. Do not use the debris generated by the grinding process in recycled asphalt (RAP).

Restore any pavement to the satisfaction of the Engineer, at no additional cost to the Department, when ground-in rumble strips do not meet the requirements of the Contract Documents.

546-3.3.2 Inspection: For limited access roadways, measure depth every one mile during the grinding operation to monitor tolerances specified in Standard Plans, Index 546-010. For arterial and collector roadways, measure depth every 500 feet during the grinding operation to monitor tolerances specified in Standard Plans Index 546-020.

If measurements are outside tolerances, immediately stop grinding operations and adjust grinding machine to meet tolerances before continuing the grinding. Measure depth along the rumble strip centerline at the high and low point of the grinding pattern. Measure depth as distance from top of pavement grade to top of ground-in surface. ~~ground-in grooves at the transverse and longitudinal centerline of the grinding prior to the placement of longitudinal thermoplastic pavement markings.~~ Measure, record and certify on a Department approved form and submit to the Engineer.

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