



*Florida Department of Transportation*

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GOVERNOR

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Tallahassee, FL 32399-0450

JARED W. PERDUE, P.E.  
SECRETARY

July 31, 2024

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

Re: State Specifications Office  
Section: 546  
Proposed Specification: **5460200 Rumble Strips**

Dear Ms. Kendall:

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

The changes are proposed by Melissa Hollis to modify removal/preparation instructions from "approved by the Engineer" to "recommended by the manufacturer" to be consistent with Manufacturer's Instructions and update APL/BABA formatting.

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](mailto: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 6-17-24)**

ARTICLE 546-2 is deleted and the following substituted:

**546-2 Materials ~~for Raised Rumble Strips.~~**

Meet the following requirements:

Tack Coat\* ..... 300-2.3

Preformed Thermoplastic\* ..... 971-1, 971-6

Removable Striping Tape\* ..... 990-9

\*Use products listed on the Department's Approved Product List (APL).

**546-2.1 Permanent Raised Rumble Strips:** Construct permanent raised rumble strips using one of the following:

**546-2.1.1 Preformed Thermoplastic:** Use ~~only materials listed on the Department's Approved Product List (APL);~~ preformed thermoplastic meeting the following above requirements. ~~;~~

~~Preformed Thermoplastic — 971-1 and 971-6~~

————— Ensure that the material used can be restored to its original dimensions by using a self bonding overlay meeting these requirements. Submit a certified test report to the Engineer indicating that the materials meet all requirements specified.

**546-2.1.2 Asphalt:** Any plant-mixed hot bituminous asphalt mixture meeting the requirements of a job-mix formula issued by the Department, except open-graded friction course.

**546-2.2 Short-Term Raised Rumble Strips:** Construct short-term raised rumble strips meeting the requirements of 546-2.1, or by using removable polymer striping tape meeting the requirements of 990-9.

SUBARTICLE 546-3.1 is deleted and the following substituted:

**546-3 Application.**

**546-3.1 Permanent Raised Rumble Strips:** Notify the Engineer before the placement of raised rumble strips. Apply raised rumble strips having well defined edges. Remove and replace any raised rumble strips not meeting the requirements of the Contract Documents at no additional cost to the Department.

Before applying raised rumble strips, remove any material that would adversely affect the bond of the raised rumble strips by a method approved by the Engineer recommended by the manufacturer.

Apply raised rumble strips only to dry surfaces, and only when the ambient air and surface temperature is at least 55°F and rising.

Before applying thermoplastic materials on portland cement concrete surfaces, apply a primer sealer recommended by the manufacturer.

Prior to the application of any plant-mixed hot bituminous material, apply a tack coat meeting the requirements of 300-2.3.

————— The mixture will be accepted on the basis of visual inspection by the Engineer with no further testing required.

**RUMBLE STRIPS**  
**(REV 6-17-24)**

ARTICLE 546-2 is deleted and the following substituted:

**546-2 Materials.**

Meet the following requirements:

Tack Coat* .....	300-2.3
Preformed Thermoplastic* .....	971-1, 971-6
Removable Striping Tape* .....	990-9

\*Use products listed on the Department's Approved Product List (APL).

**546-2.1 Permanent Raised Rumble Strips:** Construct permanent raised rumble strips using one of the following:

**546-2.1.1 Preformed Thermoplastic:** Use preformed thermoplastic meeting the above requirements. Ensure that the material used can be restored to its original dimensions by using a self bonding overlay meeting these requirements. Submit a certified test report to the Engineer indicating that the materials meet all requirements specified.

**546-2.1.2 Asphalt:** Any plant-mixed hot bituminous asphalt mixture meeting the requirements of a job-mix formula issued by the Department, except open-graded friction course.

**546-2.2 Short-Term Raised Rumble Strips:** Construct short-term raised rumble strips meeting the requirements of 546-2.1, or by using removable polymer striping tape meeting the requirements of 990-9.

SUBARTICLE 546-3.1 is deleted and the following substituted:

**546-3 Application.**

**546-3.1 Permanent Raised Rumble Strips:** Notify the Engineer before the placement of raised rumble strips. Apply raised rumble strips having well defined edges. Remove and replace any raised rumble strips not meeting the requirements of the Contract Documents at no additional cost to the Department.

Before applying raised rumble strips, remove any material that would adversely affect the bond of the raised rumble strips by a method recommended by the manufacturer.

Apply raised rumble strips only to dry surfaces, and only when the ambient air and surface temperature is at least 55°F and rising.

Before applying thermoplastic materials on portland cement concrete surfaces, apply a primer sealer recommended by the manufacturer.

Prior to the application of any plant-mixed hot bituminous material, apply a tack coat meeting the requirements of 300-2.3. The mixture will be accepted on the basis of visual inspection by the Engineer with no further testing required.