

Origination Form

Specifications

Name:	Melissa Hollis	Specification Number:	546-2, 546-3
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Date:	2024-06-17T14:04:10Z	Verified:	VERIFIED

Summary:

546-2: APL/BABA formatting 546-3: Changed removal/preparation instructions from "approved by the Engineer" to "recommended by the manufacturer", to be consistent with Manufacturer's Instructions.

Justification:

APL/BABA formatting helps to comply with Federal Rules. Change to Manufacturer's instructions avoids conflicts and damaging methods.

Do the changes affect other types of specifications?

Neither

List Specifications Affected:

Other Affected Documents/Offices	Contacted	Yes/No
Other Standard Plans		No
Florida Design Manual		No
Structures Manual		No
Basis of Estimates Manual		No
Approved Product List		No
Construction Office		No
Maintenance Office		No
Materials Manual		No
Traffic Engineering Manual		No

Are changes in line with promoting and making progress on improving safety, enhancing mobility, inspiring innovation, and fostering talent; explain how?

APL/BABA changes help to ensure compliance with Federal rules. Manufacturer's instructions help to ensure approved installation methods.

What financial impact does the change have; project costs, pay item structure, or consultant fees?

None

What impact does the change have on production or construction schedules?

None

How does this change improve efficiency or quality?

APL/BABA helps to ensure compliance with Federal rules. Compliance with manufacturer's instructions helps to ensure that products are installed correctly.

Which FDOT offices does the change impact?

Product Evaluation

What is the impact to districts with this change?

None

Does the change shift risk and to who?

No change

Provide summary and resolution of any outstanding comments from the districts or industry.

Comments and Responses are available on the Track the Status of Revisions hyperlink located on the Specifications landing page: <https://www.fdot.gov/programmanagement/Specs.shtm>

What is the communication plan?

Through the established specification revision process (e.g., Internal and Industry Review)

What is the schedule for implementation?

The Standard Specifications eBook and Workbook are effective July 1st every year.

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.