



Florida Department of Transportation

RON DESANTIS
GOVERNOR

605 Suwannee Street
Tallahassee, FL 32399-0450

KEVIN J. THIBAUT, P.E.
SECRETARY

July 15, 2020

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

Re: State Specifications Office
Section: **234**
Proposed Specification: **2340100 Superpave Asphalt Base.**

Dear Mr. Nguyen:

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

The changes are proposed by Wayne Rilko by the State Materials Office to provide cost and time savings. The language is modified to allow additional mixtures.

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 414-4130.

Sincerely,

Signature on file

Daniel Strickland, P.E.
State Specifications Engineer

DS/rf

Attachment

cc: Florida Transportation Builders' Assoc.
State Construction Engineer

SUPERPAVE ASPHALT BASE.

(REV ~~75-101~~-20)

ARTICLE 234-1 is deleted and the following substituted:

234-1 Description.

Construct a Superpave asphalt concrete base course as defined in these Specifications. Base course mixes are designated as Type B-12.5. The Contractor may use a Type SP-12.5 ~~mixture (Traffic Level B, C, D, or E),~~ mixture or a Type SP-19.0 mixture (Traffic Level B, C, D, or E), in lieu of a Type B-12.5.

Obtain Superpave asphalt base from a plant that is currently on the Department’s Production Facility Listing. Producers seeking inclusion on the list shall meet the requirements of Section 105.

ARTICLE 234-8 is expanded by the following:

234-8 Thickness Requirements.

234-8.1 General: The total thickness of the Type B asphalt layers will be the plan thickness as shown in the Contract Documents. Before paving, propose a thickness for each individual layer meeting the requirements of this specification, which when combined with other layers (as applicable) will equal the plan thickness. For construction purposes, the plan thickness and individual layer thickness will be converted to spread rate based on the maximum specific gravity of the asphalt mix being used, as well as the minimum density level, as shown in the following equation:

$$\text{Spread rate (lbs. per square yard)} = t \times G_{mm} \times 43.3$$

Where: t = Thickness (in.) (Plan thickness or individual layer thickness)

G_{mm} = Maximum specific gravity from the verified mix design

The weight of the mixture shall be determined as provided in 320-3.2. For target purposes only, spread rate calculations should be rounded to the nearest whole number.

234-8.1.1 Layer Thicknesses: The allowable layer thicknesses for asphalt base mixtures are as follows:

Type B-12.5, SP-12.5.....	1-1/2 to 3-1/2 inches
Type SP-19.0.....	2 to 4 inches

ARTICLE 234-10 is deleted and the following substituted:

234-10 Basis of Payment.

Prices and payments will be full compensation for all work specified in this Section, including the applicable requirements of Sections 320, 330 and 334. The bid price for the asphalt mix will include the cost of the liquid asphalt binder ~~or the asphalt recycling agent~~ and the tack coat application as directed in 300-8.

Payment will be made under:

Item No. 285- 7- Optional Base - per square yard.

SUPERPAVE ASPHALT BASE.**(REV 7-10-20)**

ARTICLE 234-1 is deleted and the following substituted:

234-1 Description.

Construct a Superpave asphalt concrete base course as defined in these Specifications. Base course mixes are designated as Type B-12.5. The Contractor may use a Type SP-12.5 mixture (Traffic Level B, C, D, or E) or a Type SP-19.0 mixture (Traffic Level B, C, D, or E), in lieu of a Type B-12.5.

Obtain Superpave asphalt base from a plant that is currently on the Department's Production Facility Listing. Producers seeking inclusion on the list shall meet the requirements of Section 105.

ARTICLE 234-8 is expanded by the following:

234-8 Thickness Requirements.

234-8.1 General: The total thickness of the Type B asphalt layers will be the plan thickness as shown in the Contract Documents. Before paving, propose a thickness for each individual layer meeting the requirements of this specification, which when combined with other layers (as applicable) will equal the plan thickness. For construction purposes, the plan thickness and individual layer thickness will be converted to spread rate based on the maximum specific gravity of the asphalt mix being used, as well as the minimum density level, as shown in the following equation:

$$\text{Spread rate (lbs. per square yard)} = t \times G_{mm} \times 43.3$$

Where: t = Thickness (in.) (Plan thickness or individual layer thickness)

G_{mm} = Maximum specific gravity from the verified mix design

The weight of the mixture shall be determined as provided in 320-3.2. For target purposes only, spread rate calculations should be rounded to the nearest whole number.

234-8.1.1 Layer Thicknesses: The allowable layer thicknesses for asphalt base mixtures are as follows:

Type B-12.5, SP-12.5.....1-1/2 to 3-1/2 inches

Type SP-19.0.....2 to 4 inches

ARTICLE 234-10 is deleted and the following substituted:

234-10 Basis of Payment.

Prices and payments will be full compensation for all work specified in this Section, including the applicable requirements of Sections 320, 330 and 334. The bid price for the asphalt mix will include the cost of the liquid asphalt binder and the tack coat application as directed in 300-8.

Payment will be made under:

Item No. 285- 7- Optional Base - per square yard.