In-Place Recycling International and Western States Conference

2014 - Denver, Colorado

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Demographics of Florida

- Over 43,500 Lane Miles on the SHS.
- Lets 450-475 Construction projects every year.
- Currently, no set budget allocation for pavement preservation.
- Florida Panther.

Experiences with In-Place Recycling

- In-Place Recycling has been utilized on County and City Roads since 1978.
- In 2012,FDOT published Developmental Specifications for In-Place recycling (DEV 324 and DEV 325.)
- If a project is identified as a good candidate, the project is let with the Developmental Specification as an option.

http://www.dot.state.fl.us/specificationsoffice/OtherFDOTLinks/Developmental/

REWORKED AS
(REV -10-26-12)

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324-1 Description
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REPAVED ASPHALT CONCRETE PAVEMENT.
(REV 4-15-14)

The following new Section is inserted after Section 320.

SECTION 325
REPAVED ASPHALT CONCRETE PAVEMENT

325-1 Description.

Construct a repaved asphalt concrete pavement consisting of a binder course layer and a friction course layer, by one of the following two options:

1. placement of a binder course layer and friction course layer using a paving machine capable of simultaneously recycling the existing asphalt using the hot-in-place process for the binder course layer and placing plant-produced hot-mix asphalt for the friction course layer, or by

2. placement of plant-produced hot-mix asphalt binder course and friction course layers placed as two separate paving operations. Regardless of which process is used, use an approved FDOT dense-graded friction course mix design (meeting the requirements of Section 337) for the friction course layer. For all work, the applicable requirements of Sections 300, 327, 330, 334, 337, 901, 902, and 916 only apply as noted herein.

325-2 Hot Mix Asphalt Materials.

325-2.1 General Requirements: The following materials requirements apply only to the plant-produced hot-mix asphalt binder course layer, if used. Mix design requirements for the friction course layer are specified in Section 337.

325-2.2 Asphalt Binder: Meet the requirements of Section 916. Select the asphalt binder grade in accordance with Table 334-2.

325-2.3 Aggregate: Meet the requirements of Section 901 for coarse aggregate and Section 902 for fine aggregate.

325-2.4 Reclaimed Asphalt Pavement (RAP) Material: RAP may be used as a component of the asphalt mixture with no limit.

325-3 General Composition of Mixture.

The following mix design requirements apply only to the plant-produced hot-mix asphalt binder course layer, if used. Compact the mixture using a Superpave gyratory compactor in accordance with AASHTO T 312-12. Utilize a design number of gyrations of either, 50, 65, or 75. The design air void content shall be within the range of 3.5 to 4.5%. The minimum voids in the mineral aggregate shall be 12.0%. The minimum effective binder content shall be 4.5%. Furnish a copy of the mix design to the Engineer prior to any paving work. During production,

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Specifications and Estimates

Specifications and Estimates / Local Agency

Florida Pavement Preservation Council Specifications

The Florida Pavement Preservation Council is a partnership of agency, industry and academia professionals in Florida focused on the promotion of Pavement Preservation Principles through Education.

These specifications were not developed by and are not owned by the Florida Department of Transportation.

NOTE: These files MAY NOT BE USED on any FDOT projects.

Note: The links on this page are Word Documents and will require Microsoft Word 2003 or higher to view or Word Viewer 2003 (Opens in new Window)

Specifications Title	Specification Number
Bituminous Chip Seal (REV 1-29-2014)	FPPC335-Bituminous Chip Seal (59kb)
Bituminous Fog Seal (REV 1-29-2014)	FPPC335-Bituminous Fog Seal (35kb)
Micro Surfacing (REV 7-30-2013)	FPPC335-MicroSurfacing (59kb)
Polymer Modified Chip Seal (REV 5-16-2014)	FPPC335-Polymer Modified Chip Seal (67kb)