

Quadrant: E
Section: 3
Sublot: Surface

Laboratory Diary

General Description of Mix and Materials

Design Method: Superpave
 Compactive Effort: 100 gyrations
 Binder Performance Grade: 76-22
 Modifier Type: SBS
 Aggregate Type: Limestone
 Gradation Type: ARZ

Avg. Lab Properties of Plant Produced Mix

<u>Sieve Size:</u>	<u>Design</u>	<u>QC:</u>
1":	100	100
3/4":	100	100
1/2":	96	96
3/8"	94	92
No. 4	74	73
No. 8	53	54
No. 16	43	43
No. 30	37	36
No. 50	23	24
No. 100	9	10
No. 200	4.0	5.3
Asphalt Content:	7.9	8.2
Pill Bulk Gravity:		2.226
TMD (Rice):		2.308
Avg Air Voids		3.6
Avg VMA:		13

Construction Diary

Relevant Conditions for Construction

Completion Date: Friday, August 01, 2003
 24 Hour High Temperature (F): 89
 24 Hour Low Temperature (F): 69
 24 Hour Rainfall (in): 0.17
 Lift type: Surface
 Planned Mill / Lift Thickness (in): 2.0

Plant Configuration and Placement Details

<u>Component:</u>	<u>% Setting:</u>
Asphalt Content (Plant Setting)	7.9
S1A Marine Limestone	8.0
S1B Marine Limestone	27.0
Alachua Screenings	50.0
Florida Local Sand	15.0
Approximate Length (ft):	189
Survey Mill / Lift Thickness (in):	1.8
Type of Tack Coat Utilized:	PG67-22
Target Tack Application Rate (gal/sy):	0.03
Avg Temperature In Truck (F):	340
Avg Section Compaction:	93.9

General Notes:

- 1) Mixes are referenced by quadrant (E=East, N=North, W=West, and S=South), section number (sequential) and sublot;
- 2) Sections are listed in the order they appear on the Track beginning with E2 and continuing counterclockwise to E1;
- 3) The total research thickness of all rutting study sections ranges from 3/4 to 4 inches by design;
- 4) The total HMA thickness of all structural study sections (N1 through N8) ranges from 5 to 9 inches by design;
- 5) ARZ, TRZ, and BRZ refer to gradations intended to pass above, through and below the restricted zone, respectively;
- 6) SMA and OGFC refer to stone matrix asphalt and open-graded friction course, respectively.

Quadrant: E
Section: 3
Sublot: Binder

Laboratory Diary

General Description of Mix and Materials

Design Method: Superpave
 Compactive Effort: 100 gyrations
 Binder Performance Grade: 76-22
 Modifier Type: SBS
 Aggregate Type: Limestone
 Gradation Type: ARZ

Avg. Lab Properties of Plant Produced Mix

<u>Sieve Size:</u>	<u>Design</u>	<u>QC:</u>
1":	100	100
3/4":	100	100
1/2":	96	96
3/8"	94	92
No. 4	74	73
No. 8	53	55
No. 16	43	44
No. 30	37	36
No. 50	23	24
No. 100	9	11
No. 200	4.0	6.0
Asphalt Content:	7.9	7.9
Pill Bulk Gravity:		2.209
TMD (Rice):		2.260
Avg Air Voids		2.3
Avg VMA:		13

General Notes:

- 1) Mixes are referenced by quadrant (E=East, N=North, W=West, and S=South), section number (sequential) and sublot;
- 2) Sections are listed in the order they appear on the Track beginning with E2 and continuing counterclockwise to E1;
- 3) The total research thickness of all rutting study sections ranges from 3/4 to 4 inches by design;
- 4) The total HMA thickness of all structural study sections (N1 through N8) ranges from 5 to 9 inches by design;
- 5) ARZ, TRZ, and BRZ refer to gradations intended to pass above, through and below the restricted zone, respectively;
- 6) SMA and OGFC refer to stone matrix asphalt and open-graded friction course, respectively.

Construction Diary

Relevant Conditions for Construction

Completion Date: Wednesday, July 30, 2003
 24 Hour High Temperature (F): 86
 24 Hour Low Temperature (F): 69
 24 Hour Rainfall (in): 0
 Lift type: Binder
 Planned Mill / Lift Thickness (in): 2.0

Plant Configuration and Placement Details

<u>Component:</u>	<u>% Setting:</u>
Asphalt Content (Plant Setting)	7.9
S1A Marine Limestone	10.0
S1B Marine Limestone	25.0
Alachua Screenings	50.0
Florida Local Sand	15.0
Approximate Length (ft):	189
Survey Mill / Lift Thickness (in):	2.2
Type of Tack Coat Utilized:	PG67-22
Target Tack Application Rate (gal/sy):	0.03
Avg Temperature In Truck (F):	317
Avg Section Compaction:	94.1