

Quadrant: W
Section: 9
Sublot: Surface

Laboratory Diary

General Description of Mix and Materials

Design Method: Superpave
 Compactive Effort: 100 gyrations
 Binder Performance Grade: 67-22
 Modifier Type: NA
 Aggregate Type: Granite
 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":	100	100
3/8"	97	98
No. 4	82	83
No. 8	60	61
No. 16	38	43
No. 30	28	32
No. 50	19	23
No. 100	11	15
No. 200	5.0	7.5
Asphalt Content	6.3	5.8
Pill Bulk Gravity:		2.541
TMD (Rice):		2.643
Avg Air Voids		3.9
Avg VMA:		18

Construction Diary

Relevant Conditions for Construction

Completion Date: Thursday, August 21, 2003
 24 Hour High Temperature (F): 88
 24 Hour Low Temperature (F): 68
 24 Hour Rainfall (in): 0
 Lift type: Surface
 Planned Mill / Lift Thickness (in): 1.0

Plant Configuration and Placement Details

<u>Component:</u>	<u>% Setting:</u>
Asphalt Content (Plant Setting)	6.3
78M Pineville Granite	23.0
Pineville Washed Screenings	77.0
Approximate Length (ft):	203
Survey Mill / Lift Thickness (in):	1.0
Type of Tack Coat Utilized:	PG67-22
Target Tack Application Rate (gal/sy):	0.03
Avg Temperature In Truck (F):	315
Avg Section Compaction:	93.4

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.