

**Quadrant: W**  
**Section: 8**  
**Sublot: Surface**

**Laboratory Diary**

General Description of Mix and Materials

Design Method: Proprietary  
 Compactive Effort: 100 gyrations  
 Binder Performance Grade: 70-28  
 Modifier Type: SB  
 Aggregate Type: Granite  
 Gradation Type: OGFC

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"	94	96
No. 4	37	40
No. 8	26	25
No. 16	19	19
No. 30	14	15
No. 50	11	13
No. 100	6	10
No. 200	4.0	7.5
Asphalt Content	5.0	4.7
Pill Bulk Gravity:		2.549
TMD (Rice ):		2.687
Avg Air Voids		
Avg VMA:		16

**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: Saturday, August 23, 2003  
 24 Hour High Temperature (F): 90  
 24 Hour Low Temperature (F): 66  
 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)	5.0
3/8 Chip Pineville Granite	72.0
Pineville Dry Screenings	18.0
Pineville Washed Screenings	10.0
Approximate Length (ft):	197
Survey Mill / Lift Thickness (in):	1.3
Type of Tack Coat Utilized:	CRS-2p
Target Tack Application Rate (gal/sy):	0.2
Avg Temperature In Truck (F):	340
Avg Section Compaction:	