

**Quadrant:** L  
**Section:** 24  
**Sublot:** 1

**Laboratory Diary**

General Description of Mix and Materials

Design Method: Super  
 Compactive Effort: 75 gyrations  
 Binder Performance Grade: 67-22  
 Modifier Type: NA  
 Aggregate Type: Lms/Sand/PCRAS  
 Design Gradation Type: ARZ

Avg. Lab Properties of Plant Produced Mix

Sieve Size	Target	QC
25 mm (1"):	100	100
19 mm (3/4"):	100	100
12.5 mm (1/2"):	100	100
9.5 mm (3/8"):	100	100
4.75 mm (#4):	99	98
2.36 mm (#8):	77	76
1.18 mm (#16):	54	55
0.60 mm (#30):	37	34
0.30 mm (#50):	23	19
0.15 mm (#100):	16	13
0.075 mm (#200):	12.2	10.3
Binder Content (Pb):	6.2	6.0
Eff. Binder Content (Pbe):	5.8	5.6
Dust-to-Binder Ratio:	2.1	1.8
Rice Gravity (Gmm):	2.435	2.455
Avg. Bulk Gravity (Gmb):	2.338	2.365
Avg Air Voids (Va):	4.0	3.7
Agg. Bulk Gravity (Gsb):	2.649	2.663
Avg VMA:	17.1	16.5
Avg. VFA:	77	78

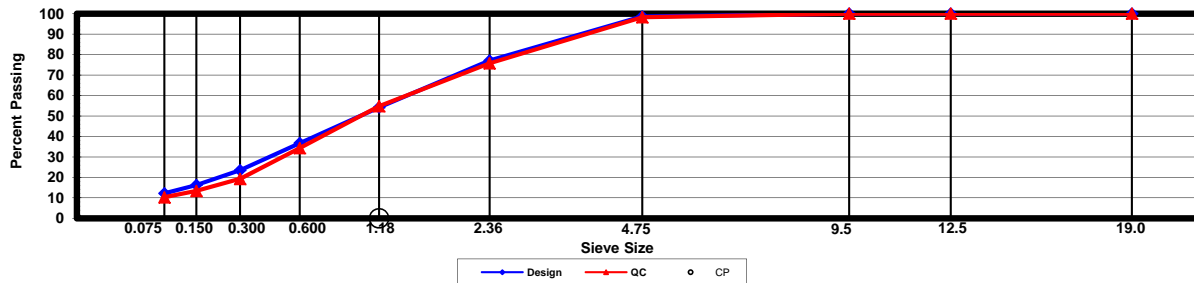
**Construction Diary**

Relevant Conditions for Construction

Completion Date: August 13, 2012  
 24 Hour High Temperature (F): 89  
 24 Hour Low Temperature (F): 61  
 24 Hour Rainfall (in): 0.00  
 Planned Subot Lift Thickness (in): 0.8  
 Paving Machine: Blaw Knox

Plant Configuration and Placement Details

Component	% Setting
Binder Content (Plant Setting)	6.1
820 Calera Limestone	64.0
Shorter Coarse Sand	30.0
Wedowee PC-RAS	5.0
Hyd Lime	1.0
As-Built Sublot Lift Thickness (in):	NA
Total Thickness of All 2012 Sublots (in):	0.8
Approx. Underlying HMA Thickness (in):	5.6
Type of Tack Coat Utilized:	NTSS-1HM
Undiluted Target Tack Rate (gal/sy):	0.06
Approx. Avg. Temperature at Plant (F):	320
Avg. Measured Mat Compaction:	92.3%



**General Notes:**

- 1) Mixes are referenced by quadrant (E=East, N=North, W=West, S=South, L=Lee Rd 159), section number, and sublot (top=1);
- 2) SMA and OGFC refer to stone matrix asphalt and open-graded friction course, respectively; and
- 3) Mixes not containing hydrated lime were run with either Gripper X antistriper or Evotherm Q1 warm mix additive at a 0.5% rate