

Quadrant: L
Section: 23
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: RAP/Lms/Sand
 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	96
2.36 mm (#8):	78	74
1.18 mm (#16):	56	56
0.60 mm (#30):	38	39
0.30 mm (#50):	22	24
0.15 mm (#100):	15	16
0.075 mm (#200):	11.1	11.4
Binder Content (Pb):	6.5	5.4
Eff. Binder Content (Pbe):	5.7	4.6
Dust-to-Binder Ratio:	1.9	2.5
Rice Gravity (Gmm):	2.437	2.486
Avg. Bulk Gravity (Gmb):	2.340	2.395
Avg Air Voids (Va):	4.0	3.7
Agg. Bulk Gravity (Gsb):	2.639	2.648
Avg VMA:	17.2	14.4
Avg. VFA:	77	75

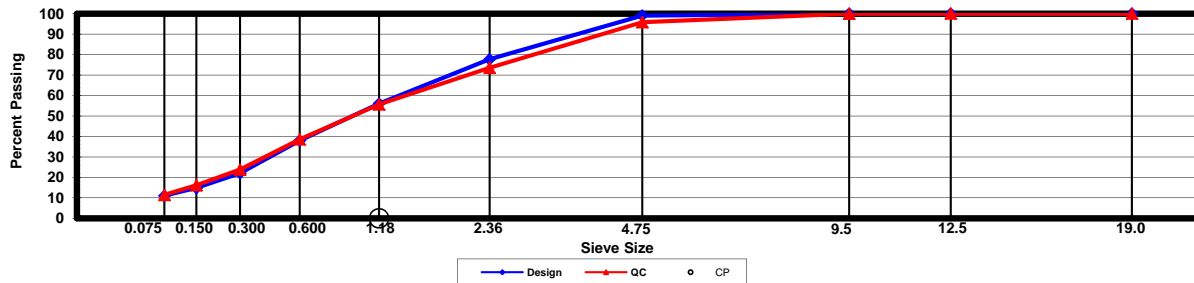
Construction Diary

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 Sublot Lift Thickness (in): 0.8
 Paving Machine: Blaw Knox

Plant Configuration and Placement Details

Component	% Setting
Binder Content (Plant Setting)	5.8
820 Calera Limestone	34.0
Shorter Coarse Sand	15.0
EAP Fine Fractionated RAP	50.0
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:	90.3%



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 antistrip or Evotherm Q1 warm mix additive at a 0.5% rate