

**Quadrant:** U  
**Section:** 6  
**Sublot:** 1

**Laboratory Diary**

General Description of Mix and Materials

Design Method: Super  
 Compactive Effort: 75 gyrations  
 Binder Performance Grade: 76-22  
 Modifier Type: SBS  
 Aggregate Type: Lms Scrns/Sand  
 Design Gradation Type: DGA

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	97
2.36 mm (#8):	76	74
1.18 mm (#16):	53	55
0.60 mm (#30):	36	36
0.30 mm (#50):	23	21
0.15 mm (#100):	15	14
0.075 mm (#200):	11.5	10.8
Binder Content (Pb):	6.1	6.0
Eff. Binder Content (Pbe):	5.6	5.6
Dust-to-Eff. Binder Ratio:	2.0	1.9
RAP Binder Replacement (%):	0.0	0.0
RAS Binder Replacement (%):	0.0	0.0
Total Binder Replacement (%):	0.0	0.0
Rice Gravity (Gmm):	2.441	2.463
Bulk Gravity (Gmb):	2.343	2.395
Air Voids (Va):	4.0	2.8
Agg. Bulk Gravity (Gsb):	2.647	2.67
VMA:	16.9	16
VFA:	76	82

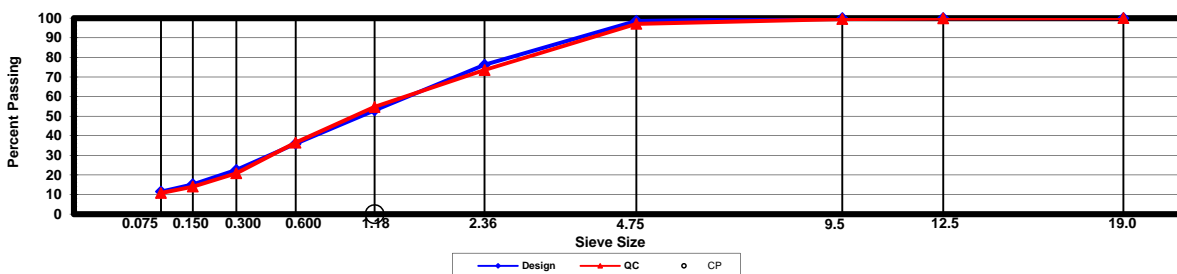
**Construction Diary**

Relevant Conditions for Construction

Completion Date: August 24, 2015  
 24 Hour High Temperature (F): 92  
 24 Hour Low Temperature (F): 71  
 24 Hour Rainfall (in): 0.00  
 Planned Sublot Lift Thickness (in): 0.8  
 Paving Machine: Roadtec

Plant Configuration and Placement Details

Component	% Setting
Binder Content (Plant Setting)	6.0
Calera Limestone Screenings	50.0
Coarse Sand	30.0
Opelika Limestone Screenings	19.0
Evotherm P15	0.5
Hydrated Lime	1.0
As-Built Sublot Lift Thickness (in):	0.8
Total Thickness of All New Sublots (in):	0.8
Approx. Underlying HMA Thickness (in):	Pending
Type of Tack Coat Utilized:	NTSS-1HM
Undiluted Target Tack Rate (gal/sy):	0.08
Approx. Avg. Temperature at Plant (F):	340
Avg. Measured Mat Compaction:	93.6%



**General Notes:**

- References are by quadrant (E=East, N=North, W=West, S=South, L=Lee Rd 159, U=US-280), section #, and sublot (top=1).
- DGA, SMA, & OGFC refer to dense graded asphalt, stone matrix asphalt, & open-graded friction course, respectively.
- Production Gsb estimated using the actual production Gse and the difference between Gse and Gsb in the mix design.

**Section and/or Sublot Specific Notes:**

NA