

**Quadrant:** U  
**Section:** 30  
**Sublot:** 1

**Laboratory Diary**

General Description of Mix and Materials

Design Method: OGFC  
 Compactive Effort: 50 gyrations  
 Binder Performance Grade: 76-22  
 Modifier Type: SBS  
 Aggregate Type: Granite/C-RAP  
 Design Gradation Type: GAP

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"):	95	91
9.5 mm (3/8"):	64	64
4.75 mm (#4):	15	17
2.36 mm (#8):	9	9
1.18 mm (#16):	8	8
0.60 mm (#30):	6	7
0.30 mm (#50):	5	5
0.15 mm (#100):	4	4
0.075 mm (#200):	3.7	2.9
Binder Content (Pb):	5.5	5.8
Eff. Binder Content (Pbe):	4.9	5.2
Dust-to-Eff. Binder Ratio:	0.8	0.6
RAP Binder Replacement (%):	9.1	9.6
RAS Binder Replacement (%):	0.0	0.0
Total Binder Replacement (%):	9.1	9.6
Rice Gravity (Gmm):	2.446	2.466
Bulk Gravity (Gmb):	2.037	2.081
Air Voids (Va):	16.8	15.6
Agg. Bulk Gravity (Gsb):	2.613	2.65
VMA:	26.3	26
VFA:	36	40

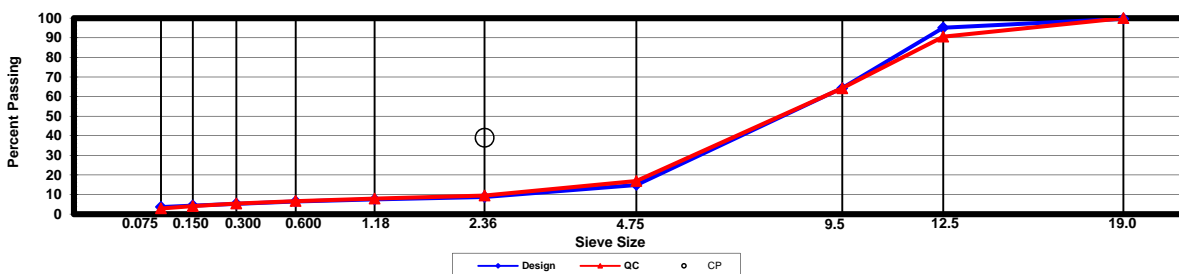
**Construction Diary**

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): 1.0  
 Paving Machine: Roadtec

Plant Configuration and Placement Details

Component	% Setting
Binder Content (Plant Setting)	6.1
78 Granite	55.0
7 Granite	30.0
EAP Coarse RAP	15.0
Evotherm P15	0.5
As-Built Sublot Lift Thickness (in):	1.0
Total Thickness of All New Sublots (in):	1.0
Approx. Underlying HMA Thickness (in):	Pending
Type of Tack Coat Utilized:	eTac
Undiluted Target Tack Rate (gal/sy):	0.23
Approx. Avg. Temperature at Plant (F):	340
Avg. Measured Mat Compaction:	82.0%



**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