

Quadrant: U
Section: 33
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	90
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	6
0.15 mm (#100):	4	4
0.075 mm (#200):	3.7	3.0
Binder Content (Pb):	5.5	5.7
Eff. Binder Content (Pbe):	4.9	5.1
Dust-to-Eff. Binder Ratio:	0.8	0.6
RAP Binder Replacement (%):	9.1	9.8
RAS Binder Replacement (%):	0.0	0.0
Total Binder Replacement (%):	9.1	9.8
Rice Gravity (Gmm):	2.446	2.465
Bulk Gravity (Gmb):	2.037	2.083
Air Voids (Va):	16.8	15.5
Agg. Bulk Gravity (Gsb):	2.613	2.65
VMA:	26.3	26
VFA:	36	40

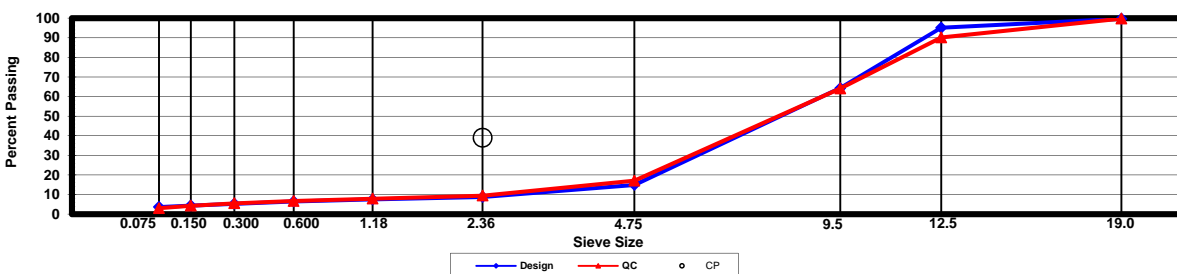
Construction Diary

Relevant Conditions for Construction

Completion Date: August 21, 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:	UltraFuse
Undiluted Target Tack Rate (gal/sy):	0.15
Approx. Avg. Temperature at Plant (F):	335
Avg. Measured Mat Compaction:	81.1%



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