

Quadrant: N
Section: 9A
Sublot: 1

Laboratory Diary

General Description of Mix and Materials

Design Method: OGFC
 Compactive Effort: 50 gyrations
 Binder Performance Grade: 76-28
 Modifier Type: SBS
 Aggregate Type: Sawyer Grade 4/Pile 5
 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	92
9.5 mm (3/8"):	60	51
4.75 mm (#4):	5	8
2.36 mm (#8):	4	5
1.18 mm (#16):	4	5
0.60 mm (#30):	4	4
0.30 mm (#50):	4	4
0.15 mm (#100):	4	3
0.075 mm (#200):	0.3	2.4
Binder Content (Pb):	7.0	6.4
Eff. Binder Content (Pbe):	6.3	5.7
Dust-to-Eff. Binder Ratio:	0.0	0.4
RAP Binder Replacement (%):	0.0	0.0
RAS Binder Replacement (%):	0.0	0.0
Total Binder Replacement (%):	0.0	0.0
Rice Gravity (Gmm):	2.280	2.312
Bulk Gravity (Gmb):	1.826	1.845
Air Voids (Va):	19.9	20.2
Agg. Bulk Gravity (Gsb):	2.471	2.48
VMA:	31.0	30
VFA:	36	34

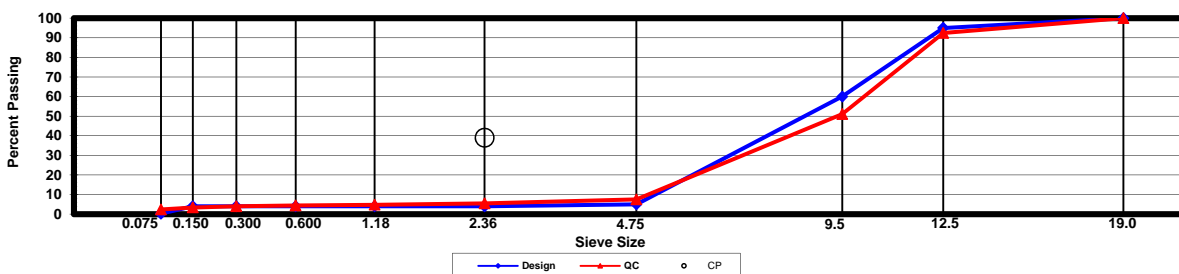
Construction Diary

Relevant Conditions for Construction

Completion Date: August 14, 2015
 24 Hour High Temperature (F): 91
 24 Hour Low Temperature (F): 73
 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)	7.0
MM Grade 4 from Sawyer OK	75.0
MM Pile 5 from Sawyer OK	25.0
Evotherm P15	0.5
As-Built Sublot Lift Thickness (in):	0.8
Total Thickness of All New Sublots (in):	14.2
Approx. Underlying HMA Thickness (in):	13.4
Type of Tack Coat Utilized:	UltraFuse
Undiluted Target Tack Rate (gal/sy):	0.08
Approx. Avg. Temperature at Plant (F):	325
Avg. Measured Mat Compaction:	76.9%



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

Quadrant: N
Section: 9B
Sublot: 1

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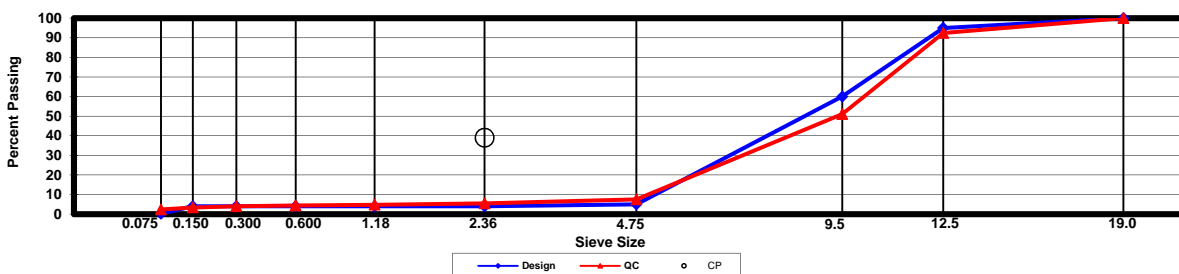
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