

Quadrant: E
Section: 1A
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: Lms/Granite
 Design Gradation Type: PFC

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"):	96	94
4.75 mm (#4):	25	19
2.36 mm (#8):	2	6
1.18 mm (#16):	1	5
0.60 mm (#30):	1	4
0.30 mm (#50):	1	3
0.15 mm (#100):	1	3
0.075 mm (#200):	1.0	2.4
Binder Content (Pb):	7.1	5.2
Eff. Binder Content (Pbe):	6.7	4.8
Dust-to-Binder Ratio:	0.1	0.5
Rice Gravity (Gmm):	1.828	2.482
Avg. Bulk Gravity (Gmb):	1.481	1.881
Avg Air Voids (Va):	19.0	24.2
Agg. Bulk Gravity (Gsb):	2.653	2.660
Avg VMA:	48.2	33.0
Avg. VFA:	61	27

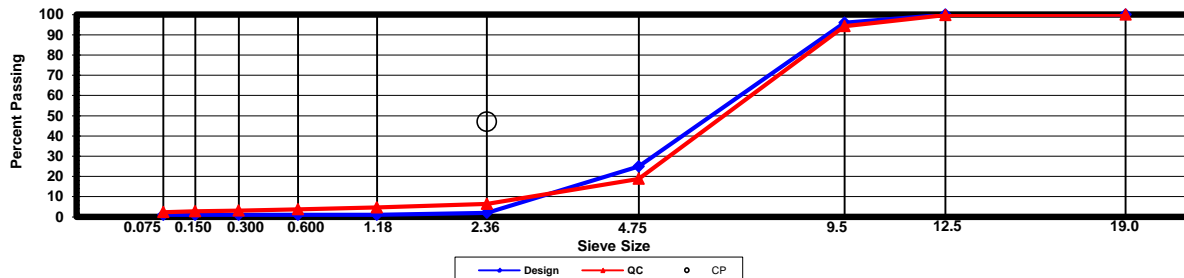
Construction Diary

Relevant Conditions for Construction

Completion Date: August 14, 2012
 24 Hour High Temperature (F): 0
 24 Hour Low Temperature (F): 0
 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)	7.1
Dolese-Cooperton 3/8 Chips	30.0
Dolese-Richards Spur 3/8 Chips	32.0
Snyder D Rock	38.0
Cellulose	0.3
As-Built Sublot Lift Thickness (in):	0.8
Total Thickness of All 2012 Sublots (in):	0.8
Approx. Underlying HMA Thickness (in):	23.3
Type of Tack Coat Utilized:	UltraFuse
Undiluted Target Tack Rate (gal/sy):	0.15
Approx. Avg. Temperature at Plant (F):	0
Avg. Measured Mat Compaction:	74.3%



General Notes:

- Mixes are referenced by quadrant (E=East, N=North, W=West, S=South, L=Lee Rd 159), section number, and subplot (top=1);
- SMA and OGFC refer to stone matrix asphalt and open-graded friction course, respectively; and
- Mixes not containing hydrated lime were run with either Gripper X antistriper or Evotherm Q1 warm mix additive at a 0.5% rate

Quadrant: E
Section: 1B
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: Lms/Granite
 Design Gradation Type: PFC

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1.18 mm (#16):	1	5
0.60 mm (#30):	1	4
0.30 mm (#50):	1	3
0.15 mm (#100):	1	3
0.075 mm (#200):	1.0	2.4
Binder Content (Pb):	7.1	5.2
Eff. Binder Content (Pbe):	6.7	4.8
Dust-to-Binder Ratio:	0.1	0.5
Rice Gravity (Gmm):	1.828	2.482
Avg. Bulk Gravity (Gmb):	1.481	1.881
Avg Air Voids (Va):	19.0	24.2
Agg. Bulk Gravity (Gsb):	2.653	2.660
Avg VMA:	48.2	33.0
Avg. VFA:	61	27

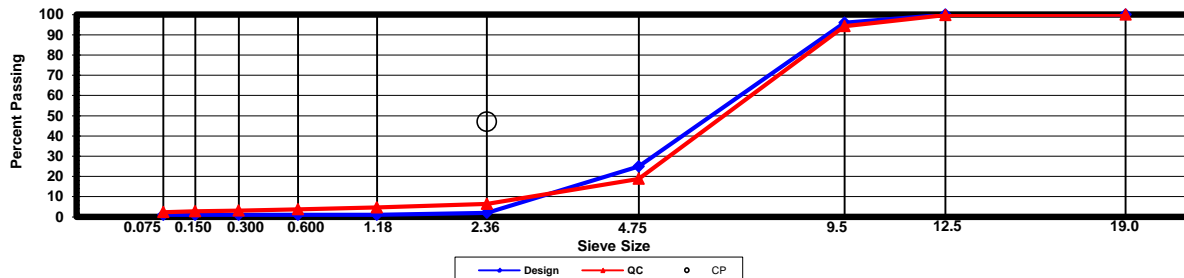
Construction Diary

Relevant Conditions for Construction

Completion Date: August 14, 2012
 24 Hour High Temperature (F): 0
 24 Hour Low Temperature (F): 0
 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)	7.1
Dolese-Cooperton 3/8 Chips	30.0
Dolese-Richards Spur 3/8 Chips	32.0
Snyder D Rock	38.0
Cellulose	0.3
As-Built Sublot Lift Thickness (in):	0.8
Total Thickness of All 2012 Sublots (in):	0.8
Approx. Underlying HMA Thickness (in):	23.3
Type of Tack Coat Utilized:	NTSS-1HM
Undiluted Target Tack Rate (gal/sy):	0.08
Approx. Avg. Temperature at Plant (F):	0
Avg. Measured Mat Compaction:	74.3%



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- SMA and OGFC refer to stone matrix asphalt and open-graded friction course, respectively; and
- Mixes not containing hydrated lime were run with either Gripper X antistriper or Evotherm Q1 warm mix additive at a 0.5% rate