

Quadrant: U
Section: 31
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 | 92 |
| 9.5 mm (3/8"): | 64 | 66 |
| 4.75 mm (#4): | 15 | 18 |
| 2.36 mm (#8): | 9 | 10 |
| 1.18 mm (#16): | 8 | 8 |
| 0.60 mm (#30): | 6 | 7 |
| 0.30 mm (#50): | 5 | 6 |
| 0.15 mm (#100): | 4 | 5 |
| 0.075 mm (#200): | 3.7 | 3.3 |
| Binder Content (Pb): | 5.5 | 5.8 |
| Eff. Binder Content (Pbe): | 4.9 | 5.1 |
| 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 | 2.461 |
| Bulk Gravity (Gmb): | 2.037 | 2.103 |
| Air Voids (Va): | 16.8 | 14.5 |
| Agg. Bulk Gravity (Gsb): | 2.613 | 2.64 |
| VMA: | 26.3 | 25 |
| VFA: | 36 | 42 |

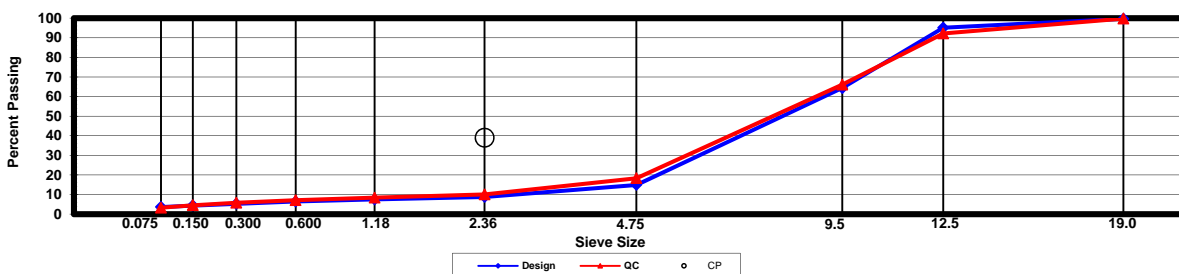
Construction Diary

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: | NTSS-1HM |
| Undiluted Target Tack Rate (gal/sy): | 0.10 |
| Approx. Avg. Temperature at Plant (F): | 335 |
| Avg. Measured Mat Compaction: | 82.4% |



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