



Department of Design and Construction

Thomas Foley
Commissioner

Safety & Site Support Division
Office of Quality Assurance

Alla Ayzenshtat
Deputy Commissioner
Safety & Site Support

Concrete and Asphalt Generic Mix Design Approval 2024 – 052

30-30 Thomson Avenue
Long Island City, NY 11101

Tel. 718 / 391-1624
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Date: 7/5/2024
To: Larry Santana
Flushing Asphalt
From: Juan Martinez, PE, Director
Office of Quality Assurance

Date Submitted: 6/26/2024

Plant: Flushing Asphalt

NYSDOT Facility Numbers: H0239

Laboratory: N/A

Mix Design Type: 3RA Binder

Generic Mix Design Serial Number: FlushingAsphalt/3RA/Binder/Generic/NYCDDC/7/24/052

Generic Mix Design Date: 6/14/2024

Generic Mix Design Expiration Date: 6/30/2026

- Comments:**
- 1) This mix design is approved only for the NYSDOT Facility Numbers listed above.
 - 2) Approval is valid only if facilities listed above remain on the DDC OQA Approved list of Concrete and/or Asphalt Plants.
 - 3) Approval is limited to the material sources and aggregate sizes shown on the mix design.
 - 4) Dosage of admixtures may be adjusted by the plant within manufacturer's written guidelines, but admixtures not listed may not be added.

Reviewed & Prepared by: Christopher Vagnone, QA Inspector

Christopher Vagnone

Recommended for Acceptance by: Alfred Roman, Engineer-in-Charge

FLUSHING ASPHALT QUALITY CONTROL

ASPHALT JOB MIX FORMULA SHEET - 3 RA BINDER

PLANT NAME: **FLUSHING ASPHALT**
 NYSDOT FACILITY #: **H0239**
 PLANT ADDRESS: **FLUSHING**
New York, NY

MIX DESIGN DATE: **6/14/2024**
 PREPARED BY: **MARIA MARCANO**
 COMPANY: **WILLETS POINT ASPHALT**
 PLANT QC MGR: **LARRY SANTANA**

| Item | Supplier / Quarry | NYSDOT Source | High Friction | Agg. Blend % | Mix % | Lbs / Ton |
|---|----------------------|-----------------------|---------------|---------------|--------|-----------|
| | | | | | 0.0% | 0 |
| #57 Stone | Tilcon, Mt Hope, NJ | 8-32R | Yes | 43.0% | 41.8% | 837 |
| #8 Stone | Tilcon, Mt Hope, NJ | 8-32R | Yes | 13.0% | 12.6% | 253 |
| | | | | | 0.0% | 0 |
| Natural Sand | Tilcon, Mt Hope, NJ | 8-32R | N/A | 0.0% | 0.0% | 0 |
| Manuf. Sand | Tilcon, Mt Hope, NJ | 8-32R | N/A | 14.0% | 13.6% | 272 |
| RAP 1 | Flushing Asphalt Co. | N/A | Yes | 30.0% | 29.2% | 584 |
| | RAP % Asphalt: 6.2% | | | RAP AC | 1.8% | 36 |
| All RAP to be from Municipal Sources - Aggregates from State Quarries | | | | RAP Aggregate | 27.4% | 548 |
| | | N/A | | | 0.0% | 0 |
| | RAP % Asphalt: 30.0% | | | RAP AC | 0.0% | 0 |
| All RAP to be from Municipal Sources - Aggregates from State Quarries | | | | RAP Aggregate | 0.0% | 0 |
| Virgin Asphalt | Grade: PG64-22 | SG (G _b): | 1.034 | | 2.7% | 54 |
| Total Asphalt Content (P _b): | | | | | 4.5% | 90 |
| | | | | | 100.0% | 2,000 |

Project No: Generic
“APPROVED”
 NYC DDC - Office of Quality Assurance
 Date: 7/5/2024 Reviewed By: CV
 LOG No: 2024-052

FlushingAsphalt/3RA/Binder/Generic/NYCDDC/7/24/052 Expires: 7/31/2026

| Sieve Size | 1-1/2" | 1" | 3/4" | 1/2" | 1/4" | 1/8" | # 20 | # 40 | # 80 | # 200 | P _b |
|----------------------|---------|---------|-------|-------|-------|-------|-------|------|------|-------|----------------|
| Specification Limits | 100-100 | 95-100 | 74-93 | 58-73 | 38-53 | 26-40 | 9-23 | 4-18 | 3-13 | 2-6 | 4-6 |
| JMF Target | 100 | 100 | 84 | 66 | 40 | 28 | 14 | 10 | 7 | 4 | 4.5 |
| JMF Range | 100-100 | 100-100 | 79-89 | 61-71 | 38-45 | 26-32 | 10-18 | 6-14 | 4-10 | 2-6 | 4-5.2 |

