

Asphalt Mix Group Specification #949

AWARD # 23371

GROUP SPECIFICATION (SPEC-949) – BITUMINOUS CONCRETE ASPHALT MIXTURES

State of New York Executive Department
Office of General Services
Procurement Services
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GROUP SPECIFICATION

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BIDDERS ARE REQUESTED TO RETAIN THIS SPECIFICATION FOR FUTURE REFERENCE

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GROUP SPECIFICATION (SPEC-949) – BITUMINOUS CONCRETE ASPHALT MIXTURES

GENERAL INFORMATION

MATERIALS:

The following are the material descriptions of items that may be included in IFBs and contracts derived from this specification and the New York State Department of Transportation Standard Specification Section 404 – Asphalt Pavements and Section 406 – Asphalt Pavement With Fibers:

<u>Item</u>	<u>Material Description</u>
404.0179	Truing & Leveling, 70 Series Compaction, F9 Asphalt Pavement
404.0189	Truing & Leveling, 80 Series Compaction, F9 Asphalt Pavement
404.0589	Shim Course, 80 Series Compaction, F9, Asphalt Pavement
404.0681	6.3 Top, 80 Series Compaction, F1 Asphalt Pavement
404.0682	6.3 Top, 80 Series Compaction, F2 Asphalt Pavement
404.0683	6.3 Top, 80 Series Compaction, F3 Asphalt Pavement
404.0951	9.5 Top, 50 Series Compaction, F1 Asphalt Pavement
404.0952	9.5 Top, 50 Series Compaction, F2 Asphalt Pavement
404.0961	9.5 Top, 60 Series Compaction, F1 Asphalt Pavement
404.0962	9.5 Top, 60 Series Compaction, F2 Asphalt Pavement
404.0963	9.5 Top, 60 Series Compaction, F3 Asphalt Pavement
404.0971	9.5 Top, 70 Series Compaction, F2 Asphalt Pavement
404.0972	9.5 Top, 70 Series Compaction, F2 Asphalt Pavement
404.0973	9.5 Top, 70 Series Compaction, F3 Asphalt Pavement
404.0981	9.5 Top, 80 Series Compaction, F1 Asphalt Pavement
404.0982	9.5 Top, 80 Series Compaction, F2 Asphalt Pavement
404.0983	9.5 Top, 80 Series Compaction, F3 Asphalt Pavement
404.1251	12.5 Top or Binder, 50 Series Compaction, F1 Asphalt Pavement
404.1252	12.5 Top or Binder, 50 Series Compaction, F2 Asphalt Pavement
404.1261	12.5 Top or Binder, 60 Series Compaction, F1 Asphalt Pavement
404.1262	12.5 Top or Binder, 60 Series Compaction, F2 Asphalt Pavement
404.1263	12.5 Top or Binder, 60 Series Compaction, F3 Asphalt Pavement
404.1271	12.5 Top or Binder, 70 Series Compaction, F1 Asphalt Pavement
404.1272	12.5 Top or Binder, 70 Series Compaction, F2 Asphalt Pavement
404.1273	12.5 Top or Binder, 70 Series Compaction, F3 Asphalt Pavement
404.1281	12.5 Top or Binder, 80 Series Compaction, F1 Asphalt Pavement
404.1282	12.5 Top or Binder, 80 Series Compaction, F2 Asphalt Pavement
404.1283	12.5 Top or Binder, 80 Series Compaction, F3 Asphalt Pavement
404.1989	19.0 Binder, 80 Series Compaction, F9 Asphalt Pavement
404.2589	25.0 Binder, 80 Series Compaction, F9 Asphalt Pavement
406.0179	Truing & Leveling, 70 Series Compaction, F9 Asphalt Pavement with Fibers
406.0189	Truing & Leveling, 80 Series Compaction, F9 Asphalt Pavement with Fibers
406.0681	6.3 Top, 80 Series Compaction, F1 Asphalt Pavement with Fibers
406.0682	6.3 Top, 80 Series Compaction, F2 Asphalt Pavement with Fibers
406.0683	6.3 Top, 80 Series Compaction, F3 Asphalt Pavement with Fibers

GROUP SPECIFICATION (SPEC-949) – BITUMINOUS CONCRETE ASPHALT MIXTURES

GENERAL INFORMATION

MATERIALS (Cont'd):

<u>Item</u>	<u>Material Description</u>
406.0951	9.5 Top, 50 Series Compaction, F1 Asphalt Pavement with Fibers
406.0952	9.5 Top, 50 Series Compaction, F2 Asphalt Pavement with Fibers
406.0961	9.5 Top, 60 Series Compaction, F1 Asphalt Pavement with Fibers
406.0962	9.5 Top, 60 Series Compaction, F2 Asphalt Pavement with Fibers
406.0963	9.5 Top, 60 Series Compaction, F3 Asphalt Pavement with Fibers
406.0971	9.5 Top, 70 Series Compaction, F1 Asphalt Pavement with Fibers
406.0972	9.5 Top, 70 Series Compaction, F2 Asphalt Pavement with Fibers
406.0973	9.5 Top, 70 Series Compaction, F3 Asphalt Pavement with Fibers
406.0981	9.5 Top, 80 Series Compaction, F1 Asphalt Pavement with Fibers
406.0982	9.5 Top, 80 Series Compaction, F2 Asphalt Pavement with Fibers
406.0983	9.5 Top, 80 Series Compaction, F3 Asphalt Pavement with Fibers
406.1251	12.5 Top or Binder, 50 Series Compaction, F1 Asphalt Pavement with Fibers
406.1252	12.5 Top or Binder, 50 Series Compaction, F2 Asphalt Pavement with Fibers
406.1261	12.5 Top or Binder, 60 Series Compaction, F1 Asphalt Pavement with Fibers
406.1262	12.5 Top or Binder, 60 Series Compaction, F2 Asphalt Pavement with Fibers
406.1263	12.5 Top or Binder, 60 Series Compaction, F3 Asphalt Pavement with Fibers
406.1271	12.5 Top or Binder, 70 Series Compaction, F1 Asphalt Pavement with Fibers
406.1272	12.5 Top or Binder, 70 Series Compaction, F2 Asphalt Pavement with Fibers
406.1273	12.5 Top or Binder, 70 Series Compaction, F3 Asphalt Pavement with Fibers
406.1281	12.5 Top or Binder, 80 Series Compaction, F1 Asphalt Pavement with Fibers
406.1282	12.5 Top or Binder, 80 Series Compaction, F2 Asphalt Pavement with Fibers
406.1283	12.5 Top or Binder, 80 Series Compaction, F3 Asphalt Pavement with Fibers
406.1989	19.0 Binder, 80 Series Compaction, F9 Asphalt Pavement with Fibers
406.2589	25.0 Binder, 80 Series Compaction, F9 Asphalt Pavement with Fibers

GROUP SPECIFICATION (SPEC-949) – BITUMINOUS CONCRETE ASPHALT MIXTURES

GENERAL INFORMATION

QUALITY ADJUSTMENT FACTOR (QAF) Quality Units (Applies to NYSDOT Only):

The Quality Adjustment Factor will be 1.0 for all material produced under resultant contract for any agency other than the New York State Department of Transportation.

The following Quality Unit Index prices will apply to material produced under resultant contracts for the New York State Department of Transportation only:

<u>Region</u>	<u>Index Price¹</u> <u>(\$/Quality Unit)</u>
1	\$85
2	\$90
3	\$90
4	\$95
5	\$100
6	\$90
7	\$80
8	\$120
9	\$90
10	\$125
11	\$140

GROUP SPECIFICATIONS

GENERAL:

All plant mixed Asphalt items shall be furnished in accordance with Sections 401, 404, and 406 of the New York State Department of Transportation Standard Specifications with the effective date of January 1, 2025, Construction and Materials Methods, including all latest updates, and Chapter 6 of Comprehensive Pavement Design Manual.

The current version of the NYSDOT Standard Specifications can be found at:

<https://www.dot.ny.gov/main/business-center/engineering/specifications/updated-standard-specifications-us>;

The latest Materials Method 5.16 found at:

<https://www.dot.ny.gov/divisions/engineering/technical-services/materials-bureau-repository/mm516.pdf>;

Chapter 6 of the Comprehensive Pavement Design Manual, latest version can be found at:

<https://www.dot.ny.gov/divisions/engineering/design/dqab/cpdm/repository/chapter6.pdf> and

(The links listed above are from the NYS Department of Transportation website at www.dot.ny.gov).

References are made herein to New York State Department of Transportation, Standard Specifications with the effective date of January 1, 2025, Construction and Materials, including all updates. Copies may be obtained through the following link:

<https://www.dot.ny.gov/main/business-center/engineering/specifications/updated-standard-specifications-us>

GROUP SPECIFICATION (SPEC-949) – BITUMINOUS CONCRETE ASPHALT MIXTURES

GROUP SPECIFICATIONS

ASPHALT CONCRETE PAVEMENT WITH CRUSHED GLASS

SCOPE:

This specification covers the requirements for the addition of crushed glass to asphalt concrete mixes. The provisions of Section 401 – Plant Production and Section 404 - Asphalt Pavements applies except that the Contractor has the option of blending crushed glass in the following mixes:

- 37.5 Nominal Max. Size
- 25.0 Nominal Max. Size
- 19.0 Nominal Max. Size
- Truing and Leveling Course

If the Contractor chooses the crushed glass option, the following modifications to the Standard Specifications shall apply:

MATERIAL REQUIREMENTS:

Crushed glass shall be subject to the approval of the Regional Materials Engineer prior to its use. The crushed glass shall contain no more than 1% (by weight) contaminants and shall meet the following gradation:

Sieve Size	Percent Passing
3/8 in.	100
1/4 in.	90-100
No. 20	0-20

Note: The gradation requirements may be modified upon approval of the Regional Materials Engineer.

Crushed glass may be included in the mixture up to 5%, maximum, of the total aggregate weight. The crushed glass, aggregate and added asphalt cement shall meet the requirements specified in Table 401-1, Composition of Asphalt Mixtures and latest MM 5.16, for aggregate gradation, PG binder content, PG binder grade and temperature range.

CONSTRUCTION DETAILS:

The crushed glass shall be proportioned from a separate feed bin approved by the Regional Materials Engineer. In addition, all requirements pertaining to aggregate shall apply to crushed glass including the equipment requirements for automatic proportioning and recording stipulated for aggregate in §401-3.08.

METHOD OF MEASUREMENT:

The provisions of Section 404-4 shall apply.

BASIS OF PAYMENT:

The provisions of Section 404-5 shall apply.

THE END OF GROUP SPECIFICATION

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