

**ATTACHMENT 16**

**Group Specifications #946**

**IFB #23309**

**GROUP SPECIFICATION (SPEC-946) – BITUMINOUS CONCRETE ASPHALT MIXTURES**

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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-946) – 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:

<u>Item</u>	<u>Material Description</u>
404.017901	Truing & Leveling F9, Asphalt, 70 Series Compaction
404.018901	Truing & Leveling F9, Asphalt, 80 Series Compaction
404.058901	Shim Course F9, Asphalt
404.068101	6.3 F1 Top Course Asphalt, 80 Series Compaction
404.068201	6.3 F2 Top Course Asphalt, 80 Series Compaction
404.068301	6.3 F3 Top Course Asphalt, 80 Series Compaction
404.095101	9.5 F1 Top Course Asphalt, 50 Series Compaction
404.095201	9.5 F2 Top Course Asphalt, 50 Series Compaction
404.096101	9.5 F1 Top Course Asphalt, 60 Series Compaction
404.096201	9.5 F2 Top Course Asphalt, 60 Series Compaction
404.096301	9.5 F3 Top Course Asphalt, 60 Series Compaction
404.097101	9.5 F2 Top Course Asphalt, 70 Series Compaction
404.097201	9.5 F2 Top Course Asphalt, 70 Series Compaction
404.097301	9.5 F3 Top Course Asphalt, 70 Series Compaction
404.098101	9.5 F1 Top Course Asphalt, 80 Series Compaction
404.098201	9.5 F2 Top Course Asphalt, 80 Series Compaction
404.098301	9.5 F3 Top Course Asphalt, 80 Series Compaction
404.125101	12.5 F1 Top Course Asphalt, 50 Series Compaction
404.125201	12.5 F2 Top Course Asphalt, 50 Series Compaction
404.126101	12.5 F1 Top Course Asphalt, 60 Series Compaction
404.126201	12.5 F2 Top Course Asphalt, 60 Series Compaction
404.126301	12.5 F3 Top Course Asphalt, 60 Series Compaction
404.127101	12.5 F1 Top Course Asphalt, 70 Series Compaction
404.127201	12.5 F2 Top Course Asphalt, 70 Series Compaction
404.127301	12.5 F3 Top Course Asphalt, 70 Series Compaction
404.128101	12.5 F1 Top Course Asphalt, 80 Series Compaction
404.128201	12.5 F2 Top Course Asphalt, 80 Series Compaction
404.128301	12.5 F3 Top Course Asphalt, 80 Series Compaction
404.198901	19.0 F9 Binder Course Asphalt, 80 Series Compaction
404.258901	25.0 F9 Binder Course Asphalt, 80 Series Compaction

**GROUP SPECIFICATION (SPEC-946) – BITUMINOUS CONCRETE ASPHALT MIXTURES**

**GENERAL INFORMATION**

**QUALITY ADJUSTMENT FACTOR (QAF) (Quality Units):**

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:

<b><u>Region</u></b>	<b><u>Index Price (\$/Quality Unit)</u></b>
1	\$75
2	\$75
3	\$65
4	\$85
5	\$85
6	\$70
7	\$70
8	\$105
9	\$75
10	\$125
11	\$145

**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, 2023, 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 (Revision 9, dated September 1, 2021) 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](http://www.dot.ny.gov)).

References are made herein to New York State Department of Transportation, Standard Specifications with the effective date of January 1, 2023, 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 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 Hot Mix 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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