

ITEM 04402.108201 - M10FX F2 OPEN GRADED SURFACE COURSE HMA, 80 SERIES COMPACTION

The requirements of Section 401 - Plant Production and Section 402 - Hot Mix Asphalt (HMA) Pavements shall apply except as modified below.

DESCRIPTION

This work shall consist of constructing an open graded surface course of HMA in accordance with specifications and in reasonable close conformity with required lines, thicknesses, grades, and typical sections shown on the plans or established by the Engineer.

MATERIALS

The provisions of §401-2 and §402-2 shall apply except as modified below.

Formulate and submit to the Regional Materials Engineer, a job mix formula that satisfies the design general limits listed in Table 1 - Composition of Open Graded Surface Course HMA. The permeability shall be less than 60 seconds per 25 mm when tested in accordance with NYS Test Method 400-10F. Use the appropriate PG Binder for the project location as determined from Table 6-4, Performance Graded Binder Selection, of Chapter 6 of the Comprehensive Pavement Design Manual, unless modified by a special note in the contract documents.

**Table 1
Composition of Open Graded Surface Course HMA¹**

Screen Sizes	General Limits² % Passing	Job Mix Tolerance %
25 mm	100	-
12.5 mm	95-100	-
6.3 mm	40-56	±5
3.2 mm	20-30	-
850 µm	6-14	-
425 µm	4-12	-
180 µm	3-9	-
75 µm	2-5	-
PGB, % ³	4.5-6.5	±0.4
Description and Typical Uses	Open surface course with coarse texture and high permeability	

NOTES:

1. All aggregate percentages are based on the total weight of the aggregate.
2. Coarse aggregates to be used in this mix shall be separately stockpiled at the plant site, and available for sampling and testing by the Department at least 14 calendar days prior to the initial production of this mix. Production of this mix will not be permitted to start until the Materials Bureau has confirmed that samples of the stockpiled aggregates meet the specification requirements.
3. The PG Binder content is based on the total weight of the mix.
4. The PG Binder shall be introduced into the mixer at a temperature compatible with that of the aggregate as determined by the Regional Materials Engineer, between the limits of 107°C and 177°C.

CONSTRUCTION DETAILS

The provisions of §401-3 and §402-3 except as modified below:

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“The mix shall be compacted by two passes of a nominal nine metric ton steel wheel roller unless otherwise directed by the Engineer.”

METHOD OF MEASUREMENT

The provisions of §401-4 and §402-4 shall apply including the following:

“The final Quantity Adjustment Factor for plant production shall be shall be 1.00.”

BASIS OF PAYMENT

The provisions of §402-5 shall apply except as modified below.

Payment will be made under:

<u>ITEM NO.</u>	<u>ITEM</u>	<u>PAY UNIT</u>
04402.108201 M	10FX F2 Open Graded Surface Course HMA, 80 Series Compaction	Metric Ton