

ITEM 18403.1002 M - ASPHALT-TREATED PERMEABLE BASE COURSE

The requirements of Section 402, Hot Mix Asphalt-Concrete Pavement, shall apply except as modified below:

DESCRIPTION

This work shall consist of constructing a hot mix asphalt-treated permeable base course on a prepared base in accordance with these specifications and in reasonably close conformity with the required lines, grades, thickness and typical sections shown on the plans or established by the engineer.

MATERIALS

The Details of §402-2, shall apply except that the mix composition shall meet the requirements outlined in the following table, Mix Composition.

MIX COMPOSITION

| Sieve Size | General Limits % Passing | Job Mix Tolerance % |
|------------------------------------|-----------------------------|------------------------|
| 50.0 mm | 100 | --- |
| 37.5 mm | 95 - 100 | --- |
| 25.0 mm | 80 - 95 | ± 6 |
| 12.5 mm | 30 - 60 | ± 6 |
| 6.3 mm | 10 - 25 | ± 6 |
| 3.2 mm | 3 - 15 | ± 6 |
| 75 µm | 0 - 4 | ± 2 |
| Asphalt ¹ Content, % | 2.0 - 4.0 | ± 0.4 |
| Plant Mixing Temperature, °C | | 95 - 135 |

Note:

- 1. The asphalt cement grade and number shall meet the requirements for Base Mixture outlined in Table 401-1, Composition of Bituminous Plant Mixtures.**

CONSTRUCTION DETAILS

The details of §402-3 shall apply except as modified below:

The hot mix asphalt treated permeable base course shall be placed on a prepared surface having a minimum surface temperature of 5°C. The permeable base course mixture shall be compacted between the temperatures of 60°C and 107°C with a dual steel wheel roller having a minimum nominal weight of 7 metric tons. The permeable base course shall be compacted by applying two roller passes operating in the static mode, unless otherwise directed by the Engineer-in-Charge. Additional passes will be allowed to eliminate any surface irregularities, ridges or creases. Caution shall be taken to prevent contamination and/or damage during placement and compaction. Areas found contaminated and/or damaged shall be removed and replaced at no

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cost to the Department.

After compaction, the Contractor shall protect the surface from any damage or debris that will affect the permeability of the mixture. The Contractor is placed on notice that this material may be susceptible to damage from traffic placed directly on the permeable base course. Damage may consist of rutting, raveling, shoving, contamination by dirt and debris, and other deterioration of the compacted base. The type and method of surface protection shall be to the satisfaction of the Engineer-in-Charge. The Contractor shall be responsible for the repair of damage caused by the placement of traffic or construction vehicles on the compacted permeable base at the option of the Contractor, at no cost to the State. The Engineer-in-Charge shall be the sole judge of the extent of damage that is unacceptable.

This Specification has been Disapproved AS A RESULT OF the issuance of EI 98-041

METHOD OF MEASUREMENT

The provisions of §402-4, Method of Measurement, shall apply.

BASIS OF PAYMENT

The Provisions of §402-5, Basis of Payment, shall apply.

Payment will be made under:

| <u>Item Number</u> | <u>Item</u> | <u>Pay Unit</u> |
|--------------------|---------------------------------------|-----------------|
| 18403.1002 M | Asphalt-Treated Permeable Base Course | Metric Ton |