GROUP SPECIFICATION

COMMODITY GROUPS:
31501, 31505, 31506, 31507, 31508, 31509
LIQUID BITUMINOUS MATERIALS

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BIDDERS ARE REQUESTED TO RETAIN THIS SPECIFICATION FOR FUTURE REFERENCE

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GENERAL INFORMATION

MATERIALS:
Materials offered must be from a NYS Dept. of Transportation approved location. Materials offered from other than approved locations will not be considered for award and will be sufficient cause for rejection of bid.
Inspection of storage locations not currently approved may be requested directly from NYSDOT and subsequently certified for consideration in future IFBs.

SAMPLING, TESTING, INSPECTING AND REPORTING:
All liquid bituminous material intended for use on State agency and non-State agency projects shall be sampled, tested, inspected, certified and shipped in accordance with NYSDOT Materials Method N.Y. 8.1, 8.2 and 8.3 and addenda. The State reserves the right to inspect liquid bituminous material supply facilities and the equipment of any successful bidder at any time for conformance with the requirements listed herein; if deficiencies are found, such deficiencies shall be corrected within 10 days or the contractor will be considered in default.

APPROVED LIST CRITERIA:
The NYSDOT will perform the necessary inspections of the primary source and/or supplier facility to determine conformance with these requirements and establish the approved list of primary sources. Copies of the approved list and written procedures for achieving and maintaining approved list status are available from NYSDOT Materials Bureau, 50 Wolf Road, Pod 3-4, Albany, NY 12232.

REQUIRED QUALIFICATIONS:
The firm submitting the bid must meet the following conditions:

1. The firm’s storage facility shall have been approved by the Director, Materials Bureau, within the 12-month period prior to the bid opening date.

2. The liquid bituminous material shall be obtained from a primary source listed on the NYSDOT approved list of primary sources. An approved primary source is a firm that samples, tests, and certifies that the materials are in conformance with the NYSDOT materials specifications. Primary sources may be refineries, terminals, emulsion manufacturing plants, line-blend plants, intermediate storage facilities or other similar plants, that sample, test and certify the materials.

3. Asphalt emulsions as defined in Table 1, Definition of Asphalt Emulsion Types, shall be stored in an approved facility having a minimum of one permanent storage tank for each type of asphalt emulsion bid. The tank(s) shall have a storage capacity of at least 10,000 gallons each and have equipment capable of heating the material to the proper application temperature prior to shipment. These tanks shall be equipped with a sampling valve and thermometer. The sampling valve shall be so designed and installed as to be non-clogging and safe. The type of valve and its general location shall comply with written instructions by the NYSDOT.

<table>
<thead>
<tr>
<th>Type</th>
<th>Material Designation</th>
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<tbody>
<tr>
<td>Anionic Rapid Setting</td>
<td>702-3001, 702-3002, 702-3101, 702-3102, 702-3701, 702-3801</td>
</tr>
<tr>
<td>Anionic Medium Setting</td>
<td>702-3201, 702-3301, 702-3401, 702-3402</td>
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<tr>
<td>Anionic Slow Setting</td>
<td>702-3501, 702-3601</td>
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<tr>
<td>Cationic Rapid Setting</td>
<td>702-4001, 702-4002, 702-4101, 702-4701, 702-4702</td>
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<tr>
<td>Cationic Medium Setting</td>
<td>702-4201, 702-4301</td>
</tr>
<tr>
<td>Cationic Slow Setting</td>
<td>702-4401, 702-4501</td>
</tr>
<tr>
<td>Cationic Quick Setting</td>
<td>702-4601, 702-4801</td>
</tr>
</tbody>
</table>

NOTE: If tack coat, Material Designation 702-90, is stored in a permanent tank, this tank shall have agitating equipment in addition to the above tank requirements. The tack coat will be classified as the type of emulsion used to manufacture the tack coat.
REQUIRED QUALIFICATIONS: (Cont’d.)

4. The quantity of liquid bituminous material shall be measured with an accurate truck scale or meter(s) and the quantity shall be ticket printed by machine. The firm shall have evidence available to show that the scale or meter(s) have been tested for accuracy by one of the following three: a competent scale technician recognized by NYS DOT, a representative of NYS DOT, or the County Sealer of Weights and Measures. This accuracy check shall be performed in the current calendar year before any material is supplied. If during the calendar year the accuracy of the measuring device becomes suspect, it shall be recalibrated before any additional material is supplied.

5. The truck scale or meter(s) shall meet the requirements of National Bureau of Standards Handbook 44. The meter(s) shall be equipped with automatic temperature compensation devices to provide quantity in 60° F gallons.

The ticket printer shall meet the following requirements:

A. Truck Scales: The ticket printer shall machine print in digital form a minimum of two of the following:
   (1) Tare weight
   (2) Gross weight
   (3) Net weight
   The scale system shall be interlocked to allow printing only when the scale has come to a complete rest.

B. Meters: The ticket printer shall machine print in digital form a minimum of two of the following:
   (1) beginning meter reading
   (2) ending meter reading
   (3) total gallons at 60° F

C. If a meter is used, it shall be permanently installed to connect it with the approved storage tank(s), and shall be used to measure all quantities.

A truck scale shall be located at the storage facility unless the following conditions are met:

(a) The firm owns the truck scale or has full control of the weighing operations. The scale shall be located in close proximity (approximately 1,000 feet or less) to the storage tanks. The acceptability of the distance will be determined by the NYS DOT.

(b) The firm provides written proof to the NYS DOT that it has complete access to the truck scale 24 hrs./day, 7 days/week.

(c) The firm is responsible for calibration and repairs of the weighing equipment.

6. The contractor shall have equipment required to complete the work of the item(s) requiring applicators as follows:

A. For item(s) requiring distributors, at least one distributor for each 100,000 total gallons of liquid bituminous material to be applied.

   The distributor shall meet the requirements of the NYS DOT Standard Specifications, Section 410, Bituminous Surface Treatment. The distributor minimum capacity shall be 2,000 gallons.

   Each distributor shall be equipped with a calibrated measuring stick to measure the actual quantity used when only a portion of the original quantity of liquid bituminous material is used at the project site. The measuring stick is to be calibrated such that quantity can be determined within an accuracy of \pm 25 gallons when the distributor is in a level position.
GENERAL INFORMATION (Cont’d)

REQUIRED QUALIFICATIONS: (Cont’d.)

B. For item(s) requiring aggregate spreaders, at least one aggregate spreader for each 100,000 total gallons of liquid bituminous material to be applied and covered with aggregate. The aggregate spreader shall be self-propelled unit capable of uniformly spreading the aggregate at a rate specified by the engineer with an allowable variation not to exceed 0.5 pounds per square yard. The spreader hopper shall have a minimum spread width of 12 feet. Gate openings shall be graduated so that spread widths can be adjusted in 6-inch increments beyond the minimum spread width of 12 feet. The spreader shall be equipped with a self-locking hitch with a minimum 1 inch vertical movement.

C. For item(s) requiring pugmill mixers, at least one pugmill mixer for each 200,000 total gallons of liquid bituminous material.

The pugmill mixer shall be a rotating paddle shaft mixer meeting the requirements of NYSDOT Standard Specifications, Section 302, Bituminous Stabilized course.

DELIVERY TICKET:

A delivery ticket shall be provided with each load of bituminous material and filler for joints stating the following:

1. Storage facility identification
2. Ticket Number
3. Date/time
4. Item Number and Type
5. Quantity ticket printed by machine
6. Quantity in 60° F gallons for emulsions.

STORAGE FACILITY:

The bidder shall supply liquid bituminous material in the quantity and date specified on the order. The storage facility shall be approved by NYSDOT in the current calendar year before liquid bituminous material can be supplied.

NOTE TO BIDDERS:

All construction and materials quantities specified are in U.S. Customary Units, and should be bid accordingly.

References are made herein to New York State Department of Transportation, Standard Specifications, Construction and Materials, dated May 1, 2008. A copy may be obtained through the Department’s publication unit. Call 518-457-2124 for information.

For information regarding how to become an approved facility, or, to make arrangements for inspection of materials or equipment when required, contact the Materials Bureau of the Department of Transportation at 518-457-3240.

DETAILED SPECIFICATIONS

All Liquid Bituminous Materials furnished and/or applied, shall be in accordance with Specifications for Bituminous Materials in the book entitled New York State Department of Transportation, Standard Specifications, Construction and Materials, dated May 1, 2008; and Engineering Instruction 07-020.

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