SECTION 410  ASPHALT-RUBBER STRESS-ABSORBING MEMBRANE:

410-1  Description:  of the Standard Specifications is revised to read:

The work under this section shall consist of furnishing all materials including asphalt-rubber, tack coat, and cover material, and applying the materials in accordance with the details shown on the project plans and the requirements of the specifications.

410-2.01  Tack Coat:  of the Standard Specifications is revised to read:

Prior to the application of the asphalt-rubber stress-absorbing membrane, the existing pavement surface shall be cleaned of all objectionable material and tacked with a light coat of bituminous material in accordance with the requirements of Section 404. The cleaning of the surface, the tacking of the surface, and the type of bituminous material used shall be acceptable to the Engineer. The amount of bituminous material used shall be as directed by the Engineer; however, the application rate shall not exceed 0.06 gallons per square yard.

410-2.02  Asphalt-Rubber:  of the Standard Specifications is revised to read:

Asphalt-rubber shall conform to the requirements of Section 1009 of the specifications. The asphalt-rubber shall be Type XXXXX. The crumb rubber gradation shall be Type B conforming to the requirements of Section 1009.

410-2.03  Cover Material:  of the Standard Specifications is revised to read:

Cover material shall be Class XXXXX and shall conform to the requirements of Subsection 404-2.02(C).

Prior to placing, the cover material shall be precoated with any grade of PG asphalt cement which meets the requirements of Section 1005 of the specifications. The precoating shall be accomplished by mixing at a central plant until the aggregate is thoroughly coated. The cover material shall have a minimum temperature of 250 °F at the time of precoating with asphalt cement. The cover material shall be precoated with approximately 0.40 percent to 0.60 percent asphalt cement, by weight of the aggregate. The final percentage of asphalt cement used for precoating will be as directed by the Engineer. The end result shall be a dust-free material.
410-3.02 Application of the Asphalt-Rubber Stress-Absorbing Membrane: item (4) of the fourth paragraph of the Standard Specifications is revised to read:

(4) All construction equipment such as the asphalt-rubber distributor, aggregate spreader, haul trucks with cover material, and rollers are in position and ready to commence placement operations.

410-3.03 Application of Cover Material: the last paragraph of the Standard Specifications is hereby deleted:

410-3.04 Rolling: the first paragraph of the Standard Specifications is revised to read:

At least three pneumatic-tired rollers shall be provided to accomplish the required rolling. The rollers shall conform to the requirements of 416-7.05(A)(2), except that the minimum air pressure in each tire shall be 100 pounds per square inch, and steel wheel rollers shall not be used.

410-3.04 Rolling: the table of the second paragraph of the Standard Specifications is revised to read:

<table>
<thead>
<tr>
<th>Existing Pavement Temperature</th>
<th>Complete Rolling Within</th>
</tr>
</thead>
<tbody>
<tr>
<td>100 °F and above</td>
<td>20 Minutes</td>
</tr>
<tr>
<td>Below 100 °F</td>
<td>10 Minutes</td>
</tr>
</tbody>
</table>

410-3.07 Placement of Asphalitic Concrete: the following is added to the Standard Specifications:

When asphalitic concrete is to be placed over the asphalt-rubber membrane, it shall be placed as soon as practicable; however, in no instance shall it be placed later than seven days after membrane placement.

410-4 Method of Measurement: the second paragraph of the Standard Specifications is revised to read:

Cover material will be measured by the cubic yard. Cover material will be weighed before precoating, and the amount in tons of dry material will be converted to cubic yards. The weight of all moisture contained in the cover material will be deducted prior to the conversion of the weight in tons to the volume in cubic yards. The dry weight per cubic foot will be determined in accordance with the requirements of AASHTO T 19 (Shoveling Procedure).