

## **53.12 PRODUCTION OF ASPHALT STABILIZED BASE COURSE MATERIAL**

### **53.12.1 GENERAL**

The Work consists of producing asphalt stabilized base course material for pavement patching and other work. Asphalt Stabilized Base Course shall consist of an intimate mixture of crushed aggregate and cutback or emulsified asphalt which is produced by plant mixing at elevated temperatures.

### **53.12.2 MATERIALS**

The Contractor shall supply asphalt binder in accordance with Specification 55.5, Supply of Asphalt. Unless otherwise specified in the Special Provisions, asphalt binder for asphalt stabilized base course shall be MC-250, MC-800, HF-500 or HF-1000. The Contractor shall make the choice between these four products.

The Contractor shall produce crushed aggregate in accordance with Specification 55.3, Aggregate Production and Stockpiling, for the designation and class of material specified.

The Contractor shall supply aggregate in accordance with Specification 55.4, Supply of Aggregate.

### **53.12.3 EQUIPMENT**

The Contractor shall supply all equipment necessary to complete the Work.

### **53.12.4 PROCEDURE**

The Contractor shall produce asphalt stabilized base course mixes which meet the following characteristic requirements at the design asphalt content:

#### **MIX DESIGN CHARACTERISTICS**

	<b>HF-500M OR HF-1000M</b>	<b>MC-250 OR MC-800</b>
<b>Marshall Stability (N)</b>	<b>3000+</b>	<b>6700+</b>
<b>Air Voids</b>	<b>3% to 6%</b>	<b>3% to 6%</b>

### **53.12.5 SAMPLING AND TESTING**

The Contractor shall be required, upon request by the Engineer, to provide a copy of the applicable mix design for the material produced.

The Engineer may perform additional testing to verify that the asphalt stabilized mix complies with the specifications.

### **53.12.6 SCHEDULING OF WORK**

The Contractor shall provide asphalt stabilized base course material to coincide with pavement patching operations as shown in the Work Order.

**53.12.7 MEASUREMENT AND PAYMENT**

Payment for the production of asphalt stabilized base course including the supply of asphalt binder, producing crushed aggregate and blend sand, and processing of the mix will be included in the unit price bid for the work item for which the material is being used.

Payment for the supply of aggregate will be made in accordance with Specification 55.4, Supply of Aggregate.

**53.12.8 WARRANTY**

The warranty period for this Work shall be 1 year.