AASHTO T 240

AASHTO TP 1

AASHTO TP 5

GDT 2

883.2 Materials

883.2.01 Mineral Filler

A. Requirements

Mineral filler shall be graded within the following limits:

Sieve Size	Percent Passing
No. 30 (600 μm)	100
No. 50 (300 μm)	95-100
No. 200 (75 μm)	55-100

Ensure that the mineral filler is free from organic impurities and has a plasticity index not greater than 4. Plasticity index limits are not appropriate for hydrated lime and hydraulic cement.

Thoroughly blend mineral filler to be used in Stone Matrix Asphalt mixtures with asphalt cement and fiber stabilizing additives into a homogenous mixture. The total fine mortar shall then meet the following requirements:

Test	Specification
Unaged DSR, G*/sinδ(kPa)	5 minimum
RTFO Aged DSR, G*/sinδ(kPa)	11 minimum
PAV Aged BBR, Stiffness (MPa)	1500 maximum

B. Fabrication

General Provisions 101 through 150.

C. Acceptance

Test as follows:

Sieve Analysis of Mineral Filler	GDT 22*
Plasticity Index	AASHTO T 90
* A laser diffraction particle size distribution analyzer may be used in lieu of this test.	

Mortar Properties to be based on NCAT procedure for Laboratory Preparation and Testing of HMA Mortars using AASHTO T240, AASHTO PP1, AASHTO TP1, and AASHTO TP5.

D. Materials Warranty

General Provisions 101 through 150.

Section 884—Chlorides

884.1 General Description

This section includes the requirements for calcium chloride.

884.1.01 Related References

A. Standard Specifications

General Provisions 101 through 150.

B. Referenced Documents

AASHTO M 144

884.2 Materials

884.2.01 Calcium Chloride

A. Requirements

Use calcium chloride that meets the requirements of AASHTO M 144, Type I or Type II.

B. Fabrication

General Provisions 101 through 150.

C. Acceptance

General Provisions 101 through 150.

D. Materials Warranty

General Provisions 101 through 150.

Section 885— Elastomeric Bearing Pads

885.1 General Description

This section includes the requirements for elastomeric bearing pads.

885.1.01 Related References

A. Standard Specifications

Section 106—Control of Materials

B. Referenced Documents

AASHTO Standard Specifications for Highway Bridges: Divisions I and II

AASHTO M 251

885.2 Materials

885.2.01 Elastomeric Pads

A. Requirements

1. Type

   Use elastomeric bearing pads of the types, dimensions, and shapes specified in the Plans.

   a. Design the pads according to Division I of the AASHTO Standard Specifications for Highway Bridges.

   b. Use 100 percent virgin chloroprene (neoprene) that meets the requirements of AASHTO M 251 as the elastomer portion of the compound, unless otherwise specified.

2. Certification:

   Submit, with each shipment from the neoprene manufacturer, a certification to the Engineer about the physical properties of the material and compliance with these specifications.

   a. Submit a certificate from the pad manufacturer stating that the lot representing the shipment has been tested according to AASHTO M 251.

   b. Include test results data in the certificates.

B. Fabrication

Use the materials, fabricate, and install the pads according to Division II of the AASHTO Standard Specifications for Highway Bridges.