

884.2

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.

C. Acceptance

The Department will accept the pads based on the material certification and inspection of each pad. The Department will inspect the pads when received for compliance to quality of work, type, dimension, and shape requirements.

The Department reserves the right to sample and test completed pads according to the provisions of Section 106.

D. Materials Warranty

General Provisions 101 through 150.

Section 886—Epoxy Resin Adhesives

886.1 General Description

This section includes the requirements for all epoxy adhesives used in highway construction or maintenance.

886.1.01 Related References**A. Standard Specifications**

General Provisions 101 through 150.

B. Referenced Documents

AASHTO T 237

ASTM 2240

Federal Hazardous Products Labeling Act

GDT 58

QPL 15

886.2 Materials**886.2.01 Epoxy Resin Adhesives****A. Requirements**

1. Use the types of epoxy adhesives below:
 - a. Type I-R: Rapid-setting marker adhesive for bonding raised pavement markers to pavement.
 - b. Type I-S: Standard setting marker adhesive for bonding raised pavement markers to pavement.
 - c. Type II: Epoxy adhesive for bonding plastic concrete to hardened concrete.
 - d. Type III: Epoxy adhesive for bonding hardened concrete to hardened concrete, or for bonding miscellaneous materials such as metals.
 - e. Type IV: Epoxy adhesive for creating an epoxy mortar for use with clean concrete or mortar sand.
 - f. Type V: Epoxy adhesive for repairing cracks in concrete by intrusion grouting.
 - g. Type VI: Epoxy adhesive for a complete application or as a component in the application of a skid resistant or protective coating on hardened Portland cement concrete or asphaltic concrete.
 - h. Type VII: Discontinued.
 - i. Type VIII: Epoxy adhesive used for anchors and dowel bar implants. Either mix this epoxy by machine to the proper ratio or package it in a two-component cartridge with a mixing nozzle that thoroughly mixes the two components as they are dispensed. Use a nozzle at least 8 in (200 mm) long.
2. Furnish the epoxy adhesive as two separate components.
3. Viscosity

Ensure that the viscosities of the separate components are similar and conducive to easy blending of the epoxy adhesive system.

 - a. Submit the viscosity for the epoxy adhesive system to the Engineer.
 - b. Ensure that the viscosity of the mixed system is compatible with the intended use of the system.