

SECTION 521—TRANSVERSE JOINT CLEANING AND SEALING

521.1 DESCRIPTION—This work consists of cleaning and sealing existing transverse joints in cement concrete pavements.

521.2 MATERIAL—

- Joint Sealing Material—[Section 705.4\(b\)](#) or [\(c\)](#)
- Joint Backing Material—[Section 705.9](#)

521.3 CONSTRUCTION—Clean transverse joints of all existing sealing material, bituminous material, and other foreign material in a manner that provides a clean, newly exposed concrete surface. Clean to a minimum depth of 38 mm (1 1/2 inches).

Immediately before placing backer rod, clean the joint faces by sandblasting and airblasting. For airblasting use a compressed air stream of at least 700 kPa (100 pounds per square inch) measured at the source. Use air free of oil, moisture, and other contaminants.

Immediately before sealing the joint, place the backer rod to a depth of 25 mm (1 inch) below the pavement surface. Use a backer rod 25 to 35 % larger in diameter than the joint opening.

Seal joint as specified in [Section 501.3\(n\)](#) and as follows:

- Do not place sealant unless joint is dry.
- Do not place joint sealant unless the ambient air and the pavement temperatures are 4 °C (40F) or greater.
- Fill the joint reservoir to a level of 3 mm (1/8 inch) to 6 mm (1/4 inch) below the pavement surface.

521.4 MEASUREMENT AND PAYMENT—Meter (Linear Foot)