

## SECTION 590—CRACK CLEANING AND SEALING

**590.1 DESCRIPTION**—This work is cleaning and sealing of cracks in existing cement concrete pavements having an opening of 1.5 mm (1/16 inch) and wider.

**590.2 MATERIAL**—

(a) **Joint Sealing Material.** [Section 705.4\(b\)](#) or [\(c\)](#)

**590.3 CONSTRUCTION**—Saw or grind cracks to a width of 20 mm (3/4 inch) wide by 25 mm (1 inch) depth. Immediately after sawing and grinding, flush with water. Do not seal the same day as sawing or grinding. If original crack is between 20 mm and 25 mm (3/4 inch and 1 inch) wide, saw or grind to a width of 25 mm (1 inch) and a depth of 30 mm (1 1/4 inches).

Immediately before placing the sealant, clean the crack by using a compressed air stream of at least 700 kPa (100 pounds per square inch) measured at the source.

Seal cracks as specified in the applicable requirements in [Section 501.3\(n\)](#) and as specified here.

Do not place joint sealant unless the ambient air temperature is 4 °C (40F) or greater, and the pavement temperature is 4 °C (40F) or greater.

Fill the sealant reservoir to a level of 3 mm to 6 mm (1/8 inch to 1/4 inch) below the pavement surface.

**590.4 MEASUREMENT AND PAYMENT**—Meter (Linear Foot)