

429.3 Construction Requirements

429.3.01 Personnel

General Provisions 101 through 150.

429.3.02 Equipment

A. Hand Rollers

Use non-vibrating hand rollers to compact the strips.

B. Forms

Ensure the form confines and spaces the hot mix according to the Plan details.

429.3.03 Preparation

General Provisions 101 through 150.

429.3.04 Fabrication

General Provisions 101 through 150.

429.3.05 Construction

A. Install Rumble Strips

Place permanent rumble strips as soon as possible after the top course of asphaltic concrete is placed. Refer to Special Provision, Section 150—"Traffic Control" for requirements on when to install and remove temporary rumble strips. Generally, temporary rumble strips are installed immediately after the removal (or covering) of existing rumble strips.

Complete this procedure to install rumble strips (Temporary or Permanent):

1. Tack the entire 20 ft (6 m) strip length.
2. Place the oiled form, and ensure that the first strip coincides with the beginning of the first unit.
3. Place and level the plant mix. Roll the strips with the forms in place.
4. Remove the forms and compact the strips to the Engineer's satisfaction.
5. Repeat this operation to install the entire 20 ft (6 m) rumble strip. Use 31 rows of raised asphaltic concrete spaced at 8 in (200 mm) on center at each strip
6. Install additional units as designated on the Plans using the same methods and procedures.

NOTE: Do not place strips on wet or frozen pavement.

Install thermoplastic traffic stripe (temporary only) according to Section 653. Use 27 rows of 5 in (125 mm) thermoplastic spaced at 9 in (225 mm) on center at each strip.

Install raised pavement markers (RPMs) according to Section 654. Use Type III markers that are white on the approach face and red on the back face. Place 31 rows of RPMs at 8 in (200 mm) on center at each strip. Use 18 RPMs in each row.

B. Remove Rumble strips

Remove temporary rumble strips prior to placing the next layer of asphaltic concrete. Grind the strips to approximately the original surface level. Remove any asphaltic concrete, thermoplastic or epoxy that will affect the next course of asphaltic concrete.

429.3.06 Quality Acceptance

General Provisions 101 through 150.

429.3.07 Contractor Warranty and Maintenance

General Provisions 101 through 150.

429.4 Measurement

Permanent rumble strips are measured per each strip constructed. Temporary rumble strips are not measured separately for payment