

## SECTION 02963

# PROFILE ROTOMILLING

### PART 1 GENERAL

#### 1.1 SECTION INCLUDES

- A. Mill the existing bituminous surface at the location and to the profile and cross-slope specified in the plans.

#### 1.2 RELATED SECTIONS

- A. Section 01355: Environmental Protection.
- B. Section 02968: Optional Use of Reclaimed Asphalt Pavement.
- C. Section 02969: Optional Use of Reclaimed Asphalt Pavement (PG Grade Project Only)

### PART 2 PRODUCTS

#### 2.1 MATERIALS

- A. Use the milled material obtained from the rotomill process passing a 2 inch sieve as optional use of Reclaimed Asphalt Pavement (RAP) following Section 02968 or Section 02969.

#### 2.2 EQUIPMENT

- A. Use power-operated track propelled planing machine or grinder:
  - 1. Capable of milling to the plan cross slope.
  - 2. Self-propelled with sufficient power, traction, and stability to maintain accurate depth of cut.
  - 3. Maximum of 5/8 inch between the cutting teeth on the mandrel.
- B. Use appropriate cleaning equipment capable of sweeping and picking up millings to clean up after milling operation.

## **PART 3 EXECUTION**

### **3.1 PREPARATION**

- A. The Engineer measures and records profile grades during rotomilling operation:
  - 1. Use a means that provides the required accuracy.
  - 2. Take two random measurements for every 1,000 ft of each pass.
- B. Achieve a rotomilled depth in the field of plan depth  $\pm 1/4$  inch, measured from original surface to the top of the ridge.
- C. Rotomill existing bituminous pavement surface to a depth below final profile and cross slope grade, as shown on the plans.
- D. Clean rotomilled surface after milling operation and prior to opening to traffic. Meet environmental regulations following Section 01355 for cleaning process.
- E. Remove and replace, or repair damage by the Contractor's operation outside of the widths and depths shown in the plans. Repair at Contractor's expense. Damage to traffic due to loose material on milled surface repaired at Contractor's expense.
- F. Use a wire guide or other approved grade control methods to control the profile grade and cross slope of the rotomill.
- G. Load the reclaimed material from milling operation into a truck in one operation. Remove and clean all millings from the surface daily. Control dust created by the cutting action.
- H. Milled material is the property of the Contractor, unless specified otherwise by the Engineer.
- I. Dispose of the milled material in a manner approved by the Engineer and in accordance to Section 01355.
- J. Rotomill the area directly surrounding manholes, catch basins, water meters, water valves or any other permanent fixtures to the specified depth.

END OF SECTION