

**DERRY-LONDONDERRY EXIT 4A
13065****May 19, 2020****SPECIAL PROVISION****AMENDMENT TO SECTION 628 -- SAWED PAVEMENT****Item 628.5 – Diamond Grinding Concrete Pavement****Add** to Description:

1.3 This work shall consist of diamond grinding the top surface of a portland cement concrete bridge deck or approach slab, at the locations indicated on the Contract Plans.

Amend 3.2 to read:

3.2 The equipment used to diamond grind the top surface of concrete bridge deck or approach slab shall be a self-propelled machine specifically designed to smooth and texture portland cement concrete, equipped with diamond tipped saw blades.

3.2.1 All equipment used to diamond grind shall be subject to the approval of the Department, prior to the start of work.

Add to Construction Requirements:

3.5 The concrete structural slab shall be diamond ground after it has reached an age of 14 days or a minimum compressive strength of 3500 psi.

3.6 Grinding shall be longitudinal, and shall begin and end at lines normal to the pavement centerline in any ground section. The diamond ground surface shall be uniform in appearance with a longitudinal corduroy type texture. The grooves shall be between 0.10 and 0.15 inches wide. The land area between the grooves shall be between 0.065 and 0.125 inches. The peak of the ridges shall be approximately 1/16 inch higher than the bottom of the grooves.

3.6.1 On curved decks, each pass of the diamond grinding machine shall begin on the side of the deck having the smaller radius.

3.6.2 The cutting of grooves over an area already grooved will not be permitted. No cutting blade shall be introduced into an already established groove.

3.6.3 During the diamond grinding operations, the Department will verify, at random, that the desired groove depth is being achieved. If it is determined that the desired groove depth is not being achieved, the Design-Builder shall stop the grooving operations and make the necessary adjustments.

3.6.3.1 The Design-Builder shall supply the Department with two accurate easily readable, gages with which to verify the groove depth. The gauges shall be made available to the Department one week prior to the anticipated start of the grooving operation. Gauges shall be accompanied by manufacturers instructions for their use, if deemed necessary.

3.7 Slurry, or debris, from the diamond grinding operation shall be continuously removed. The slurry, or debris, shall be disposed of properly by the Design-Builder.