OKLAHOMA DEPARTMENT OF TRANSPORTATION
SPECIAL PROVISION
FOR
LONGITUDINAL FINISH

These Special Provisions revise, amend, and where in conflict, supersede applicable sections of the 2009 Standard Specifications for Highway Construction, English and Metric.

414.03.B.(3)(a) ***Texturing Equipment*** (*Add the following*:)

When longitudinally tining concrete pavement, provide a mechanically operated tining machine with a single row of metal tines that covers the full width in a single pass at a uniform speed and depth. Provide a tining machine with automatic horizontal and vertical controls to ensure straight and uniform grooves. Ensure the tines produced meet the dimensional requirements of 414.04.I.(6)(a).

414.04.I.(6)(a) ***Final Groove Finish*** (*Add the following*:)

2) *Longitudinal Finish*

Construct longitudinal grooves parallel to the centerline of the pavement. Longitudinal grooving consists of creating longitudinal grooves from ⅛ in to 3/16 in [3 mm to 4.8 mm] wide, from ⅛ in to 3/16 in [3 mm to 4.8 mm] deep, and spaced from ½ in to 1 in [12 mm to 25 mm] apart. Ensure the tining operation is done at such a time and manner that the desired surface texture is achieved while minimizing displacement of the larger aggregate particles and before the surface permanently sets. Start the grooves at least 6 in [150 mm] from the edge of the pavement. If the concrete pavement has concrete curbs, start the grooves at least 12 in [300 mm] from the face of curb. Ensure a 2 in to 3 in [50 mm to 75 mm] wide strip of pavement, centered about any intermediate longitudinal joints in the concrete pavement surface, is protected from longitudinal surface grooving for the length of the concrete pavement surface.

Use hand-grooving methods in areas inaccessible to mechanical grooving equipment.