

**HOT MIX ASPHALT - GENERAL CONSTRUCTION REQUIREMENTS –
THICK LIFT.
(REV 1-11-22)**

ARTICLE 330-10 is deleted and the following substituted:

330-10 Protection of Finished Surface.

Keep sections of newly compacted asphalt concrete, which are to be covered by additional courses, clean until the successive course is laid.

Do not dump embankment or base material directly on the pavement. Dress shoulders before placing the friction course on adjacent pavement.

Equip blade graders operating adjacent to the pavement during shoulder construction with a 2 inch by 8 inch or larger board, or other attachment providing essentially the same results, attached to their blades so it extends below the blade edge and protects the pavement surface from damage by the grader blade.

To prevent rutting or other distortion, protect sections of newly finished dense-graded friction course and the last structural layer before friction course from traffic until the surface temperature has cooled below 160°F.

For lifts of asphalt placed greater than 4 inches thick, protect the newly finished layer from traffic for six hours or until the temperature on the surface and at the midpoint of the layer has cooled below 160°F. Monitor the temperature of the center of the mat with a temperature measuring device (thermocouple wire or probe) placed approximately 100 feet from the end of each pull for layers greater than 4 inches. Prior to compacting the mat, make a trench 18 inches long from the edge of the pavement inward toward the center of the mat. Make the width of the trench slightly wider than the temperature measuring device. Make the depth of the trench approximately one half the depth of the pavement layer. Insert the temperature measuring device into the trench. Begin compacting the mat after the temperature measuring device has been installed. Protect the newly finished layer for six hours if the temperature measuring device fails or is determined to be unreliable by the Engineer. Trim the thermocouple wire flush with the edge of pavement. Do not remove the thermocouple wire from the pavement. Remove the probe, if desired, without damaging the pavement.

The Contractor may use artificial methods to cool the pavement to expedite paving operations. The Department may direct the Contractor to use artificial cooling methods when maintenance of traffic requires opening the pavement to traffic at the earliest possible time.