

All joints shall be tested with a straightedge before the concrete has set, and corrections made if one side of the joint is higher than the other or if they are higher or lower than the adjacent slabs.

**i. Concrete Base.** In the case of concrete base, the above requirements for finishing and/or longitudinal floating are waived.

#### **501.03.11 Surface Test.**

**a. Concrete Pavement.** As soon as the concrete has hardened sufficiently, the pavement surface shall be tested with an approved 10-foot straightedge furnished by the Contractor. Areas showing high spots of more than 1/4-inch but not exceeding 1/2-inch in ten feet shall be marked and immediately ground down with an approved grinding tool to an elevation where the area or spot will not show surface deviations in excess of 1/4-inch when tested with a 10-foot straightedge. Where the departure from correct cross section exceeds 1/2-inch, the pavement shall be removed and replaced by and at the expense of the Contractor.

Any area or section so removed shall be not less than 10 feet in length nor less than the full width of the lane involved. When it is necessary to remove and replace a section of pavement, any remaining portion of the slab adjacent to the joints that is less than 10 feet in length, shall also be removed and replaced.

**b. Concrete Base.** The surface of the concrete base shall be roughened by any means acceptable to the Engineer such as brooming, tinning, or burlap drag. The surface shall be finished so that there will be no deviation of more than 3/8-inch between any two contact points when tested with a 10-foot straightedge.

**501.03.12 Curing.** Immediately after the finishing operations have been completed and as soon as marring of the concrete will not occur, the entire surface of the newly placed concrete shall be cured in accordance with the applicable provisions of **Subsection 601.03.8** of these Specifications.

**501.03.13 Removing Forms.** Unless otherwise provided, forms shall not be removed from freshly placed concrete until it has set for at least 12 hours, except auxiliary forms used temporarily in widened areas. Forms shall be removed carefully so as to avoid damage to the pavement. After the forms have been removed, the sides of the slab shall be cured as outlined in one of the methods indicated above. Major honeycombed areas will be considered as defective work and shall be removed and replaced. Any area or section so removed shall not be less than 10 feet in length nor less than full width of the lane involved. When it is necessary to remove and replace a section of pavement, any remaining portion of the slab adjacent to the joints that is less than 10 feet in length, shall also be removed and replaced.

**501.03.14 Sealing Joints.** If the joints are to be sealed, they shall be filled with joint sealing material before the pavement is opened to traffic, and as soon after completion of the curing period as is feasible. Just prior to sealing, each joint shall be thoroughly cleaned of all foreign material, including membrane curing compound and the joint faces shall be cleaned and surface dry when the seal is applied. Material for seal applied hot shall be stirred during heating so that localized overheating does not occur.

The sealing material shall be applied to each joint opening to conform to the details shown