

When the concrete shall have become sufficiently hard to work, the surface of the pavement for a distance of five (5) inches on each side of the joint filler shall be finished with a metal trowel, and the edges of the joint shall be rounded with an edging tool having a radius not greater than one-fourth ($\frac{1}{4}$) inch.

For a distance of twelve (12) inches in from the edge of the pavement at the sides, the concrete shall be made dense and smooth and finished with a metal trowel, and to the exact height of the upper edge of the gutter flag of the curb and gutter if already previously constructed.

The edges of the pavement shall be rounded slightly with an edging tool having a radius not greater than one-fourth ($\frac{1}{4}$) inch. The finished surface of the pavement shall not vary more than one-fourth ($\frac{1}{4}$) inch in ten (10) feet from the specified contour.

For each variation greater than one-fourth ($\frac{1}{4}$) inch remaining after the above provisions have been complied with, there shall be deducted from the amount due or which may become due the Contractor, the cost of one (1) square yard of pavement at the contract unit price per square yard, exclusive of the cost of cement.

The combination curb and gutter shall be swept and kept clean immediately after the last belting has been performed in finishing the pavement, if same is constructed before the slab is laid.

Curing and Protection

Except as hereinafter specified, the surface of the pavement shall be sprayed with water as soon as the concrete is sufficiently hardened to prevent pitting and shall be kept wet until an earth or other approved covering is placed. As soon as it can be done without damaging the concrete, the surface of the pavement shall be covered with not less than two (2) inches of earth, or other material approved by the Board of Local Improvements, which cover shall be kept wet for at least ten (10) days. The "Ponding" method may be used, at the option of the Contractor, the pavement being flooded and kept wet for ten days. When deemed necessary or advisable by the Board of Local Improvements, freshly laid concrete shall be protected by canvas until such earth covering can be placed.

In hot weather under the most favorable conditions for hardening the pavement shall be closed to traffic for not less than twenty-one (21) days, and in cool weather for an additional time to be determined by the Board of Local Improvements.

The Contractor shall maintain a watchman and erect suitable barriers to protect the concrete from traffic, and any part of the pavement damaged from traffic or other causes prior to its official acceptance, shall be repaired or replaced by the Contractor at his expense, in a manner satisfactory to the Board of Local Improvements.

Cold Weather Work

Concrete shall neither be mixed nor deposited when the temperature is below freezing. If, at any time during the progress of the work the temperature is or, in the opinion of the Board of Local Improvements, will within twenty-four (24) hours drop to thirty-five (35) degrees Fahrenheit, the water and aggregates shall be heated, and precautions taken to protect the work from freezing for at least ten (10) days. In no case shall concrete be deposited upon a frozen sub-grade.

Reinforcing

All of the concrete pavement, herein specified to be laid, shall be reinforced with steel wire mesh fabric.

The fabric shall be placed not less than two and one-half ($2\frac{1}{2}$) inches below the finished surface of the pavement. It shall be laid with the main members perpendicular to the center line of the pavement and shall extend across the full width of the pavement to within two (2) inches of the edges and all joints, but shall not cross the joints.

Adjacent widths of the fabric shall be lapped not less than four (4) inches when the lap is made perpendicular to the center line of the pavement and not less than one foot when the lap is made parallel to the center line of the pavement. The fabric shall be rolled or otherwise made to lie flat before being placed over the surface of the concrete, and the said surface shall be of even thickness throughout.

The fabric shall consist of cold drawn steel wires rigidly attached

at all joints, or points of intersection, and shall have an effective weight of not less than forty-three and eight-tenths (43.8) pounds per one hundred (100) square feet. The effective cross-sectional area of metal in the main members shall be not less than eight-hundredths (0.08) of a square inch per foot of length of pavement, and in the secondary members shall be not less than four-hundredths (0.04) of a square inch per foot of width of pavement. The main members shall be spaced six (6) inches apart and the secondary members shall be spaced twelve (12) inches apart.

The fabric shall be manufactured from cold drawn steel wire, finished members of which shall develop an ultimate tensile strength of not less than 70,000 pounds per square inch and shall bend cold one hundred eighty (180) degrees around one diameter. The fabric shall be free from excessive rust, scale, or coating of any character which will impair its bond with the concrete.

The shoulder of the pavement slab along the curb and gutter shall be reinforced with a three-quarters ($\frac{3}{4}$) inch diameter plain reinforcing bar set six (6) inches from the outer edge of the slab and four and one-half ($4\frac{1}{2}$) inches below the top of the slab. The bar shall be parallel with the longitudinal dimension of the slab and held in place by pins spaced not to exceed five (5) feet. Where the bars is to be spliced, the joint shall be lapped two (2) feet and no bar shall cross a transverse expansion joint. The bar shall be coated with a thin film of heavy oil before the concrete is placed.

The reinforcing bars shall be rolled from billet steel and shall have a tensile strength of sixty-six thousand (66,000) pounds per square inch, and shall bend cold one hundred and eighty (180) degrees around a pin of equal diameter, of the bar, without fracture. The bars shall be free from excessive rust, scale, or coating of any character and shall be painted with a red lead pigment paint to which enough drier is added to cause proper drying in eighteen (18) hours.