In lieu of the [illegible] specified, a coating [illegible] may be protected and cured by the [illegible], as follows:

All cement concrete pavement shall be covered with Bituminet Concrete [illegible], said coating to be applied as follows:

[illegible] asphaltic [illegible], fluxed with a pigment and reduced to [illegible] consistency with a volatile solvent. The coating when applied to concrete pavement immediately after bolting and finishing, must [illegible] and complete [illegible] the set concrete, with one coat. The coating shall conform to the following requirements:

(a) SPECIFIC GRAVITY. Specific gravity at 60/60 degrees Fahrenheit shall not be more than [illegible] degrees A. S. T. M., nor less than [illegible] degrees A. S. T.

(b) FREE CARBON. Free carbon shall not be more than ten (10) per cent by weight nor less than seven (7) per cent by weight, when tested in accordance with Method of Analysis 12-B on page 594 of Bulletin Number Seventeen of Kansas City Testing Laboratory.

(c) ASH. Ash shall not be more than eight (8) per cent by weight, when tested in accordance with Method of Analysis 12-B on page 594 of Bulletin Number Seventeen of Kansas City Testing Laboratory.

(d) VOLATILITY. Volatility shall not be more than fifty (50) per cent by weight when tested for three (3) hours at two hundred thirty (230) degrees Fahrenheit, using a ten (10) grain sample weighed in a two hundred (200) cubic centimeters Erlenmeyer flask heated in an oven at a temperature between two hundred twenty-five (225) degrees and two hundred thirty-five (235) degrees Fahrenheit.

(e) SOLUBILITY IN CARBON BISULPHIDE. Not less than eighty-two (82) per cent will be soluble in carbon bisulphide.

The coating shall be applied with a spray, under sufficient pressure for varying temperatures to produce an even uniform coating; at least one (1) gallon for each two hundred fifty (250) square feet of surface shall be used. The coating shall be thoroughly mixed before applying.

The pavement shall not be opened for general traffic until after a period of 21 days from the time of placing concrete. However, light vehicles having rubber tires that cannot well be diverted to some other route, may be allowed to pass over the pavement after a period of eight (8) days, by permission of the Street Superintendent.

EXPANSION JOINTS.

Transverse expansion joints shall be placed across the pavement at right angles to the center line at intervals of approximately 60 feet.

At these joints a composition board of asphalt and felt three-quarter (¾) inch thick, shall be carefully placed perpendicular to the surface of the pavement and extending through the entire thickness of the pavement.

CURBS.

All cement curbs shall be made of concrete base or core composed of one (1) part Portland Cement and three (3) parts sand and five (5) parts crushed aggregate, nine (9) inches thick at the bottom and five and one-half (5½) inches thick at the top, and fourteen (14) one-half inches high [illegible] of the outer or gutter face of curb, inches down from the top of the whole top, with a one-half (½) inch finishing coat of [illegible], composed of one (1) part Portland cement and two (2) parts [illegible].

FINISHING.

The finishing coat shall be well floated, smoothly trowelled and [illegible] marked off into blocks not longer than three (3) feet.

[illegible] sufficient quantity of coloring matter shall be mixed with the [illegible] to give it a dark slate color.

COVERING AND CARE.

The surface of all finished curbs shall be covered with sand or earth [illegible] for seven (7) days. Sufficient quantity of sand or earth shall be [illegible] at once each day.

EXPANSION JOINTS.

[illegible]

[illegible] shall be placed at intervals of approximately 50 feet. All [illegible] three-quarter (¾) inch in thickness and the materials specified, [illegible].

[illegible] shall be in every case executed in a thorough and workmanlike manner. The Contractor is required to preserve all monuments and [illegible] stakes, batter-boards, etc., in the same places, until authorized to remove them by the City Engineer, and any expense incurred in [illegible] or stakes which the contractor or his employees [illegible] to preserve, shall be borne by the contractor.

INSPECTION. The contractor shall prosecute work only in the presence of the Street Superintendent, or an Inspector appointed by the Street Superintendent, or the City Engineer in event the Council shall direct that [illegible] to the satisfaction of the Engineer, and any work done in the absence of said Engineer, Street Superintendent or Inspector will be subject to rejection. The contractor shall furnish reasonable facilities for obtaining such information at all times respecting the progress and manner of the work and character of the materials.

All work which may be defective in its construction, or deficient in any of the requirements of these specifications, will be considered as remaining in consequence of the failure of any officer of the City or Inspector connected with the work, to point out said defects or deficiency during the construction, and the contractor shall be required to correct any imperfect work before the final acceptance of the work.

Any material which fails to comply with these specifications and is condemned for use on the work shall be immediately removed from the location of the work by the contractor and shall not again be brought on to the site of the work.

The contractor assumes all risk of variance in any computation or statement of amounts or quantities necessary to complete the work required by the contract, and agrees to furnish all necessary labor and material [illegible] fully complete said work in accordance with the plans and specifications.

[illegible] shall not be the sole judge of [illegible] as to the location of the proposed work, the nature of the excavation to be made and the work to be done.

The contractor shall give 24 hours notice in writing when he shall require the services of the City Engineer for laying out any portion of the work. He shall [illegible] all stake holes necessary to give lines and levels.

The contractor shall be required to remove at his own expense all obstructions, such as trees, stones, debris, etc., that may be in the way of the work, and to [illegible].

The work is to be [illegible] and shall be closed to any one else.

The contractor will be required to observe all the ordinances of the City of Kansas City relative to the construction of streets, keeping them properly [illegible], and protecting the same by erecting a fence or proper barrier [illegible] at night, and across the ends of the same in order to guard the public effectively from danger during the progress of the work, and shall post all proper notices and signals to the public [illegible] while the work is in progress.

[illegible] shall be maintained at night at each end of the [illegible] and in full view.

In case it shall be necessary to move the property of any kind of [illegible] rights or franchise, the owner will, upon proper application [illegible], or be notified by the Street Superintendent to [illegible] a specified reasonable time, [illegible] to do so [illegible] the [illegible] may do the same at the cost of the [illegible].

[illegible] to be reserved by the City [illegible] public [illegible] to enter upon the street for the purpose of [illegible] to be necessary by the [illegible].

[illegible] considered complied in case [illegible] the contractor [illegible] the [illegible] work, the entire width of the [illegible] [illegible].

[illegible] shall [illegible] and [illegible] the [illegible] the [illegible] a final inspection of the work, upon the latter's [illegible] and [illegible] any modification, and if [illegible] is found [illegible] [illegible] notification, [illegible] by the Council [illegible] to that effect.

Whenever the said "Contract" [illegible] the [illegible] parties of the second part to the [illegible] of the work herein specified,

Wherever the words "Street Superintendent" or "City Engineer" are used in these specifications, they refer respectively to the Street Superintendent and the City Engineer of the City of San Bernardino.

Office of City Engineer.
Feb.15, 1909.