BE IT FURTHER UNDERSTOOD between the Contractor and the Board of County Commissioners that WORK ORDERS will be issued as soon after July 1, 1933, as final auditing of Funds is made by the County Treasurer and final income credited to the 1932-1933 County Highway Fund.

NOTE:- Contractor may bid on either or both types of surfacing specified in Proposal No.4.

OIL BITUMINOUS MAT.

A TRAVELING PLANT MIX, OR A STATIONARY PLANT MIX
TO BE USED.

KANSAS STATE STANDARD SPECIFICATIONS for Construction of Bituminous Mat Surface Revised as of 1932, to govern (except Specifications for Oils) with the provision that twenty five (25%) per cent of the Mineral Aggregate may be clean river sand, and seventy five (75%) per cent to be dlean limestone; but after the aggregates are mixed they sall conform to the Screen Tests as provided in Kansas State Standard Specifications.

NOTE: - Two (2%) per cent mosture on materials, maximum.

OILS to be used shall meet the following specifications:

GRADE "B" - PENETRATION; - A road oil for light surface treatment on earth, sand-clay and gravel surfaces. That does not require heating for proper application. That requires a light application of mineral cover when used for surface treatment. For use as a primer preceding the application of a mat surface.

Flash Point, OF, min. Viscosity, Saybolt Furol at 1220 F (Secs) Max	•	200
Viscosity, Saybolt Furol at 122° F (Secs) Max		.225
Loss on heating, % max Asphaltic residue of 100 penetration, % min	• •	12
Asphaltic residue of 100 penetration, % min	• •	55
Ductility of residue at 77° F(25°C.) cm., Min.	• •	50
Soluble in carbon tetrachloride, % not less than	• •	99 .
Water, % max	• •	0.5

GRADE "E" - MIX:- Road Oils for building up a heavy mat surface on earth, sand-clay and gravel surfaces by stationary plant mixing and optional for traveling plant mixing.

Flash Point, OF, min	220
Viscosity, Saybolt Furol at 122° F (secs.) max.	800
Loss on heating, % max	8
Ductility of residue at 77° F. (25° C. cm., min.	75
Soluble in carbon tetrachloride, % not less than	50 99
Water, % max	ó.5

SCREEN TEST.

The gradation for the mineral aggregates immediately prior to the mixing with oil shall be such that the final product will meet the following requirements as to gradation:

Passing 1 inch mesh sieve		. 100 %
Retained on 3/8 mesh sieve, not less than		. 5%
Retained on 8 mesh sieve	25%	to 50 %
Retained on 28 mesh sieve, not more than		75%
Retained on 100 mesh sieve, not more than		85 %
Passing 200 mesh sieve, from	12%	75% 85 % to 20 %

NOTE: When the mineral filler can be definitely controlled, as in a stationary mixing plant, 5% to 15% of the total mineral aggregate shall pass a 200 mesh sieve.

CONSTRUCTION METHODS.

WORK PERFORMED BY CONTRACTOR: The following work shall be performed by the Contractor and shall be a part of the contract:

(1) The preliminary preparation of the subgrade.

(2) The removal of unsuitable or addition of suitable subgrade material.

(3) The windrowing of existing suitable material.

+) The addition of all necessary mineral filler on road mix or traveling plant mix jobs when roadsidemineral filler is specified.

NOTE:- The payment for above work to be absorbed in the Contractor's Station Manipulation Bid.

JOB NO. 1.

PROPOSAL FOR CONSTRUCTION OF BITUMINOUS MAT SURFACE ON FOUR (4) MILES OF MEMORIAL DRIVE, FROM ELEVENTH STREET TO FIFTY FIRST ST., BEING MILES 2-3-4-5 of SECTION"K-1".

APPROXIMATE QUANTITIES.

UNIT ITEMS:

33,792 Gallons Grade "B" Oil @ \$0.03 Per Gal. based on an estimate of 0.8 gas.per Sq.Yd on Penetration.

1,013.76

56,000 Gallons Grade "E" Oil @ \$0.03 Per Gal. based on an estimate of 14,000 gal. per mile on Mix.

1,680.00

Mix.
See Paragraph 5.0 "Method of Measurement".
See Paragraph 6.0 "Basis of Payment".