

FHWA REGION NO.	STATE	PROJECT NUMBER	FISCAL YEAR	SHEET NUMBER	TOTAL SHEETS
7	KANSAS	87N-0080-01	1997	122	162

BY	DATE
REFERENCES NOTED	
REFERENCES CHECKED	

SUMMARY OF QUANTITIES											
STA TO STA.	ROADWAY	BASE THICKNESS (mm)	SURFACE THICKNESS (mm)	BASE QUANTITIES			SURFACE QUANTITIES			SURFACING MATERIAL (SA-X) (150 mm) (CU. METER)	REMARKS
				AGGR. FOR BIT. BASE COURSE (BM-2) (KGS) *	EMULSIFIED ASPHALT (SS-1H) OR (CSS-1H) (BASE) (KGS)	ASPHALT CEMENT (AC-10) (BASE) (KGS) *	AGGR. FOR BIT. SURFACE COURSE (BM-2) (KGS)	EMULSIFIED ASPHALT (SS-1H) OR (CSS-1H) (SURFACE) (KGS)	ASPHALT CEMENT (AC-10) (SURFACE) (KGS)		
INTERSECTION	DOUGLAS & MERIDIAN	100	50	19 360.836	143.177	1 122.928	10 119.903	71.589	510.422		
0+065.931 TO 1+478.485	MERIDIAN										
0+000.000 TO 0+043.014	McLEAN	125	50	5 310 477.449	31 419.597	308 007.692	1 931 082.709	15 709.799	112 002.797		
0+517.632 TO 0+523.007	CAROLINE									6.910	
1+198.426 (L.T.)	MERIDIAN									6.098	
0+477.051 TO 0+484.723	NEWELL (L.T.)									10.091	
TOTALS				5 329 838.285	31 562.774	309 130.620	1 941 202.612	15 781.388	112 513.219	23.099	

NOTES:

THICKNESS INDICATED FOR ALL CONSTRUCTION, WHICH IS PAID FOR ON A WEIGHT BASIS, ARE APPROXIMATE AND MAY VARY TO CORRECT FOR UNEVENNESS IN THE FOUNDATION OR OTHER NORMAL UNEVENNESS ENCOUNTERED IN PLACEMENT OPERATIONS

QUANTITIES FOR THE VARIOUS MATERIALS SHOWN IN THE SUMMARY OF QUANTITIES HAVE BEEN CALCULATED ON THE FOLLOWING BASIS:

- AGGREGATE FOR THE BITUMINOUS BASE COURSE (BM-2) AT THE RATE OF 2.322 KG. PER CU. M. (TOTAL MIX-AGGREGATE AND ASPHALT).
- AGGREGATE FOR BITUMINOUS SURFACE COURSE (BM-2) AT THE RATE OF 2.322 KG. PER CU. M. (TOTAL MIX-AGGREGATE AND ASPHALT).
- ASPHALT CEMENT (AC-10) (SURFACE) AT THE RATE OF 5.8% OF THE DRY WEIGHT OF AGGREGATE.
- EMULSIFIED ASPHALT (SS-1H) OR (CSS-1H) FOR TACK COAT AT THE RATE OF 0.25 L. PER SQ. M.
- BITUMINOUS PLANT MIX-COMMERCIAL GRADE AT THE RATE OF 2.322 KG. PER CU. M. (TOTAL MIX-AGGREGATE AND ASPHALT).

BITUMINOUS MATERIAL QUANTITIES ARE CALCULATED ON THE BASIS OF 3.778 KG. PER LITER.

A "TACK COAT" OF SS-1H OR CSS-1H SHALL BE PROVIDED BETWEEN EACH LIFT OF ALL BASE COURSES AND SURFACE COURSES AND UNDER THE FIRST LIFT OF BASE FOR SURFACE COURSES WHEN THEY ARE PLACED ON AN EXISTING BITUMINOUS, BRICK OR CONCRETE SURFACE; WHEN SO ORDERED BY THE ENGINEER AND AT THE RATE DESIGNATED BY HIM. QUANTITIES ARE INCLUDED FOR THESE TACKS CALCULATED AT THE RATE OF 0.25 LITERS PER SQ. M. INDIVIDUAL LIFT THICKNESS WILL BE DETERMINED IN THE FIELD, BY THE ENGINEER, IN ACCORDANCE WITH THE STANDARD SPECIFICATIONS.

* QUANTITIES HAVE BEEN INCREASED FOR CONTINGENCIES AS FOLLOWS

< 120 mm	BITUMINOUS PLANT MIX-COMMERCIAL GRADE	1%
125 mm	BITUMINOUS BASE COURSE (BM-2)	1%
150 mm	BITUMINOUS BASE COURSE (BM-2)	8%
240 mm	BITUMINOUS BASE COURSE (BM-2)	4.2%
390 mm	BITUMINOUS BASE COURSE (BM-2)	8%
450 mm	BITUMINOUS BASE COURSE (BM-2)	8%

RECAPITULATION OF QUANTITIES		
ITEM	QUANTITY	UNIT
Aggregate for Bit. Base Course (BM-2)	5 329 838	KGS
Aggregate for Bit. Surface Course (BM-2)	1 941 203	KGS
Asphalt Cement (AC-10) (Base)	421 643	KGS
Emulsified Asphalt (SS-1H) or (CSS-1H) for Tack Coat (Base)	47 345	KGS
Asphaltic Pavement Sampling (Set)	1	EACH
Material for Bituminous Patching	1	KG
Field Office & Laboratory (Type A)	1	EACH
Surfacing Material (SA-X)	23	CU. METER

SUMMARY OF QUANTITIES BITUMINOUS SURFACING QUANTITIES					
SRB	924 NORTH MAIN WICHITA, KANSAS 67203 http://www.srb.com/~srb		316-264-8008 FAX 264-4821 E-Mail: srb@srinet.com		122
	SAVOY, RUGGLES & BOHM, P. A. ENGINEERING & SURVEYING				
PROJECT NUMBER 472-76-245-82740-000-001					
DRAWN E.G.	DESIGN T.C.R.	REVISION C.R.	DATE Oct. 2, 1998	UTILITY SRB JOB 539T	162