FHWA REG NO.	STATE	PROJECT NO.	YEAR	SHEET NO.	TOTAL SHEETS
7	KANSAS	87 N - 0198 - 01	2001	59	82

SUMMARY OF ASPHALT QUANTITIES

STATION TO STATION		SIDE	SURFACING QUANTITIES: THICKNESS (mm)	50 mm Asphalt Surfacing (m^2)	ASPHALT FOR BITUMINOUS SURFACE COURSE (BM - 1) (Mg) ***	ASPHALT CEMENT (PG 70-28) (Mg) ***	EMULSIFIED ASPHALT (SS-1H OR CSS-1H) (Mg) ***	BASE QUANTITIES: THICKNESS (mm)	150 mm Asphalt Base (m^2)	200 mm Reinforced Rock Base (m^2)	ASPHALT FOR BITUMINOUS BASE COURSE (BM - 2) (Mg) ***	ASPHALT CEMENT (PG 70-28) (Mg) ***	EMULSIFIED ASPHALT (SS-1H OR CSS-1H) * (Mg) ***	TEMPORARY SURFACING MATERIAL FOR BITUMINOUS PATCHING (Mg)	MILLING ** (m^2)	REMARKS
3+065.650	3+281.421	LT & RT	50	1521.5	176.5	9.7	0.167	150	1521.5	1521.5	561	31	0.335			ROCK ROAD WIDENING
3+470.304	3+538.957	LT	50	170.6	19.8	1.1	0.019	150	170.6	170.6	63	3	0.038			ROCK ROAD WIDENING
3+065.650	3+281.421	LT & RT	50	4757.1	551.8	30.3	0.523								4757.1	ROCK ROAD MILL & OVERLAY OF EX ASPHALT
3+470.304	3+538.957	LT & RT	50	1524.5	176.8	9.7	0.168								1524.5	ROCK ROAD MILL & OVERLAY OF EX ASPHALT
TOTAL				7973.6	924.9	50.7	0.9	300.0	1692.1	1692.1	624.2	34.2	0.4	0.0	6281.5	

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:

ASPHALT FOR BITUMINOUS BASE COURSE (BM - 2) AT THE RATE OF 2320 kg PER m^3 (TOTAL MIX-AGGREGATE AND ASPHALT).

ASPHALT FOR BITUMINOUS SURFACE COURSE (BM - 1) AT THE RATE OF 2320 kg PER m^3 (TOTAL MIX-AGGREGATE AND ASPHALT).

ASPHALT CEMENT (PG 70-28) (BASE) AT THE RATE OF 5.8% OF THE DRY WEIGHT OF AGGREGATE.

ASPHALT CEMENT (PG 70-28) (SURFACE) AT THE RATE OF 5.8% OF THE DRY WEIGHT OF AGGREGATE.

EMULSIFIED ASPHALT (SS-1H OR CSS-1H) FOR TACK AT THE RATE OF 0.11 kg PER m^2.

BITUMINOUS MATERIAL QUANTITIES ARE CALCULATED ON THE BASIS OF 999 kg PER m^3.

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 OR 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 THEM.

INDIVIDUAL LIFT THICKNESS WILL BE DETERMINED IN THE FIELD BY THE ENGINEER, IN ACCORDANCE WITH THE STANDARD SPECIFICATIONS.

THE BASE MAY MAY CONTAIN A MAXIMUM RECLAIMED ASPHALT CONTENT (RAP) OF 25% BY WEIGHT OF AGGREGATE. SURFACING MAY NOT CONTAIN ANY RECLAIMED ASPHALT PAVEMENT (RAP).

* TWO TACK COATS REQUIRED (MAXIMUM COMPACTED BASE LIFT THICKNESS 100 mm)
** MILLED MATERIALS TO BECOME PROPERTY OF CONTRACTOR
*** FOR INFORMATION ONLY

RECAPITULATION OF QUANTITIES

ITEM	QUANTITY	UNIT
50 mm ASPHALT SURFACING (BM-1)	7973.6	m^2
150 mm ASPHALT BASE (BM-2)	1692.1	m^2
200mm REINFORCED ROCK BASE	1692.1	m^2
MILLING (50 mm)	6281.5	m^2

ROCK ROAD
PROJECT SURFACING

HWS Consulting Group Inc.
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Designed By	JJH	Checked By	JDM	
Drawn By	BJD, JJH	Date: 04/04/01	Job No. 55-70-2003	