

BERM CONSTRUCTION (FOR INFORMATION ONLY)		
STATION TO STATION	COMPACTION TYPE B (MR-90) (C.Y.)	OFFSET
WEBB RD.		
43+50-44+50	50	LT.
44+60-45+80	50	LT.
45+50-46+60	50	RT.
46+80-48+25	60	LT.
52+10-53+40	80	LT. & RT.
54+40-57+65	160	LT. & RT.
58+60-59+40	40	RT.
60+25-62+50	130	LT. & RT.
62+50-67+00	250	LT. & RT.
67+00-71+50	80	LT. & RT.
72+50-76+00	140	LT. & RT.
76+00-80+50	100	LT. & RT.
80+50-85+00	230	LT. & RT.
85+20-89+10	80	LT. & RT.
90+30-94+10	250	LT. & RT.
SUB-TOTAL	1,750	
21ST STREET		
3+10-7+50	150	LT. & RT.
7+50-12+00	100	LT. & RT.
12+00-16+50	150	LT. & RT.
16+50-17+40	50	LT. & RT.
SUB-TOTAL	450	
PROJECT TOTAL	2,200	

EARTHWORK							
STATION TO STATION	COMMON EXCAVATION (C.Y.)	COMPACTION TYPE B (MR-90) (C.Y.)	ROCK WASTED (C.Y.)	COMMON EXCAVATION (WASTED) (C.Y.)	ROCK EXCAVATION (WASTED) (C.Y.)	REMARKS	
V.M.F.							
WEBB RD.	39,600	0.8	1,800	620	35,163	620	COMMON EXC. HAUL TO BERMS ON WEBB
21ST ST. NORTH	8,020	0.8	1,250	580	5,895	580	COMMON EXC. HAUL TO BERMS ON 21ST STR.
DRAINAGE DITCH	4,200	0.8	0	0	4,200		NON-PARTICIPATORY
WEBB RD. - BERMS	-	0.8	1,750	0			COMMON EXC. HAULED FROM WEBB RD.
21ST STREET-BERMS	-	0.8	450	0			COMMON EXC. HAULED FROM 21ST STREET
PROJECT TOTAL	51,820		5,250	1,200	45,258	1,200	

TABULATION OF SURFACING QUANTITIES					
STATION TO STATION	HIGH EDGE TO HIGH EDGE			TACK EMULSIFIED ASPHALT (SS-1H) TONS	REMARKS
	AGGREGATE SURFACE (BM-2) TONS	AGGREGATE BASE (BM-2) TONS	ASPHALT CEMENT (AC-10) TONS		
WEBB RD.					
40+50 - 43+75	137	343	25.0	0.2	6" A.C. PAVEMENT, TRANSITION FROM EXISTING
43+75 - 48+84	391	979	71.5	1.0	7" A.C. PAVEMENT
51+15 - 70+00	1,300	3,250	237.2	2.8	7" A.C. PAVEMENT
70+00 - 94+08	1,514	3,786	276.3	3.4	7" A.C. PAVEMENT
SUB-TOTAL	3,342	8,358	610.0	7.4	
21ST ST. NORTH					
2+20 - 8+85	523	1,307	95.4	1.2	7" A.C. PAVEMENT
11+15 - 18+15	543	1,357	99.0	1.2	7" A.C. PAVEMENT
18+15 - 21+50	163	407	29.7	0.2	7" A.C. PAVEMENT
SUB-TOTAL	1,229	3,071	225.0	2.6	6" A.C. PAVEMENT, TRANSITION FROM EXISTING
PROJECT TOTAL	4,571	11,429	835.0	10	

ROCK EMBANKMENT			
STATION TO STATION	QUANTITY (C.Y.)	OFFSET	REMARKS
41+25	25	LT.	WEBB RD. R.C.B. CROSSING
41+25	5	RT.	WEBB RD. R.C.B. CROSSING
41+60	5	RT.	WEBB RD. R.C.B. CROSSING
0+00	20	-	SPECIAL STORM SEWER, WEBB RD. OUTLET
20+50	20	RT.	21ST STREET R.C.B. CROSSING
2+35	30	RT.	SPECIAL DRAINAGE DITCH
11+60	30	LT. AND RT.	SPECIAL DRAINAGE DITCH
PROJECT TOTAL	135		

SIDEWALK CONSTRUCTION (4') (AE)			
STATION TO STATION	QUANTITY (S.Y.)	OFFSET	REMARKS
WEBB RD.			
43+75 - 49+45	390	LT.	INCLUDES RAMPS AT STREET
49+50	5	RT.	INCLUDES RAMPS AT STREET
50+60 - 69+20	2480	LT & RT.	INCLUDES RAMPS AT STREET
69+90 - 79+25	625	LT.	INCLUDES RAMPS AT STREET
69+90 - 77+70	520	RT.	INCLUDES RAMPS AT STREET
78+30 - 86+80	570	RT.	INCLUDES RAMPS AT STREET
79+30 - 86+80	500	LT.	INCLUDES RAMPS AT STREET
87+40 - 89+40	135	RT.	INCLUDES RAMPS AT STREET
87+40 - 94+08	450	LT.	INCLUDES RAMPS AT STREET
89+80 - 94+08	290	RT.	INCLUDES RAMPS AT STREET
SUB-TOTAL	5965		
21ST ST. NORTH			
2+20 - 9+65	1000	LT. & RT.	INCLUDES RAMPS AT STREET
10+60 - 18+15	510	LT.	INCLUDES RAMPS AT STREET
SUB-TOTAL	1510		
PROJECT TOTAL	7475		

GRANULAR SUBBASE (DEPTHS)				
STATION TO STATION	CRUSHED STONE SUBGRADE (S.Y.) (8")	CRUSHED STONE SUBGRADE (S.Y.) (5")	GEOGRID REINFORCEMENT (FOR BASE) (S.Y.)	REMARKS
WEBB RD.				
40+50 - 43+75	1,500		1,500	8" BASE
43+75 - 48+84	3,760		3,760	8" BASE
51+15 - 70+00	13,250		13,250	8" BASE
70+00 - 94+08	16,090		16,090	8" BASE
SUB-TOTAL	34,600		34,600	
21ST ST. NORTH				
2+20 - 8+85	5,030		5,030	8" BASE
11+15 - 18+15	5,270		5,270	8" BASE
18+15 - 21+50	1,500		1,500	8" BASE
SUB-TOTAL	11,800		11,800	
EMERGENCY VEHICLE ACCESS				
57+42	110		110	8" BASE
59+60	110		110	8" BASE
64+37	110		110	8" BASE
SUB-TOTAL	330		330	
INTERSECTION	-	3,800	3,800	WEBB RD AND 21ST STR.
PROJECT TOTAL	46,730	3,800	50,530	

NOTE: Aggregate for bituminous mixtures are calculated on the basis of 145 lbs. per cu. ft. (mixed weight aggregate and asphalt.)
Asphalt cement (AC-10) for bituminous surface courses (BM-2) is calculated at the rate of 5.5% of dry weight of aggregate.
All bituminous base courses quantities have been increased by the following percentages to allow for contingencies.

MATL. THICK.	5"	5"	6"	7"	8"	9"	10"	11"
% INCR.	15	10	8	7	6	5.5	5	4.5

Thicknesses indicated for all construction which is paid for on a weight or volume basis are approximate and may vary to correct for unevenness in the foundations or for other normal unevenness encountered in placement operation.

A tack coat of SS-1H shall be provided between each lift of all base 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 him. Quantities are included for these tacks calculated at the rate of 0.03 gal. per sq. yd.

Bituminous material quantities are calculated on the basis of 8.328 lbs. per gal.

CONCRETE PAVEMENT				
STATION TO STATION	AREA (S.Y.) (10" UNIFORM) (AE)	AREA (S.Y.) (6" UNIFORM) (AE)	OFFSET	REMARKS
WEBB RD. AND 21ST STREET				
50+00	3,600			
69+50		255	LT.	PLUMTHICKET
69+50		300	RT.	CLUBHOUSE
78+01.46		270	RT.	PROP. ROAD
79+50		260	LT.	WOODSPRING
87+08.50		200	RT.	PROP. ROAD
87+08.50		300	LT.	SHANNON WOODS
89+61.46		165	RT.	PROP. ROAD
PROJECT TOTAL	3,600	1,750		

REINFORCED CONCRETE BOX CULVERT							
STATION TO STATION	CL. AAA CONC. C.Y.	CL. AAA CONC. (AE) C.Y.	REINF. STEEL LBS. (Gr)(60)	REINF. STEEL EPOXY COATED LBS.	FOUND. STAB. C.Y.	GRANULAR BACKFILL C.Y.	REMARKS
41+40	77.7	0	8,730	0	1	1	WEBB RD.
20+50	103.7	0	13,070	0	1	1	21ST STREET
PROJECT TOTAL	181.4	0	21,800	0	1	1	

DRIVEWAY CONSTRUCTION CONCRETE PAVEMENT (AE)					
STATION TO STATION	QUANTITY (S.Y.) (8" UNIFORM)	OFFSET	QUANTITY (S.Y.) (6" UNIFORM) (PLAIN)	OFFSET	REMARKS
55+00	850	LT.			8" REINFORCED
PROJECT TOTAL	850				
90+25			50	LT.	6" PLAIN
PROJECT TOTAL			50		

PAVING BRICK			
STATION TO STATION	QUANTITY (S.Y.)		REMARKS
	TYPE 1	TYPE 2	
WEBB RD.			
50+00	373		HOLLAND-STONE, HERRINGBONE
50+00		357	PLAZA-STONE, COBBLE STONE RANDOM
PROJECT TOTAL	373	357	

KANSAS DEPARTMENT OF TRANSPORTATION

SUMMARY OF QUANTITIES

PROJECT NO. 87-U-1362-01 SEDGWICK CO.

MID-KANSAS ENGINEERING CONSULTANTS, INC.
MCHITA, KANSAS

DESIGNED BY: GJA CHECKED BY: KJS
DRAWN BY: GJA DATE: SHEET 66 OF 149