

H:\CIVIL\SENECA\94005\00JAN\94095-2 Wed Aug 06 14:45:09 1997

CRUSHED STONE SUBGRADE			
STATION TO STATION	CRUSHED STONE SUBGRADE (S.Y.) (4")	GEOGRID REINFORCE- MENT (FOR BASE) (S.Y.)	REMARKS
78+99 - 83+58	3215	3215	
83+58 - 84+94	1232	1232	
84+94 - 88+72	2647	2647	
88+72 - 89+62	774	774	
89+62 - 90+25	437	437	
90+25 - 91+15	874	874	
91+15 - 96+76	3927	3927	
96+76 - 97+67	865	865	
97+67 - 103+56	4041	4041	
103+56 - 104+46	697	697	
104+46 - 110+06	3918	3918	
110+06 - 110+76	581	581	
110+76 - 111+65	638	638	
111+65 - 112+55	801	801	
112+55 - 116+64	2769	2769	
116+64 - 117+34	725	725	
117+34 - 123+10	3906	3906	
123+10 - 124+08	1114	1114	
124+08 - 127+30	2190	2190	
127+30 - 128+00	799	799	
128+00 - 131+87	2626	2626	
131+87 - 132+56	644	644	
132+56 - 135+41	1927	1927	
135+41 - 136+40	767	767	
136+40 - 137+66	345	345	
137+66 - 140+40	1861	1861	
140+40 - 141+09	597	597	
141+09 - 141+79	494	494	
141+79 - 144+30	1701	1701	
144+30 - 145+00	497	497	
PROJECT TOTAL	47,609	47,609	

PAVING BRICK			
STATION	TYPE I S.Y.	TYPE II S.Y.	REMARKS
SENECA			
109+25	37		COBBLESTONE/RANDOM
109+25		25	HERRINGBONE BOND 90°
123+60	235		COBBLESTONE/RANDOM
123+60		98	HERRINGBONE BOND 90°
PROJECT TOTAL	395		

CURB, EDGE (6") (AE)			
STATION TO STATION	LENGTH LIN. FT.	OFFSET	REMARKS
83+58 - 84+48	94	LT.	CURB RETURNS/LYDIA
88+72 - 89+62	94	LT.	CURB RETURNS/JEWELL
96+76 - 97+67	94	LT.	CURB RETURNS/MAY
103+56 - 104+46	94	LT.	CURB RETURNS/DORA
110+06 - 110+76	63	LT.	CURB RETURNS/ESTHNER
110+76 - 116+64	588	LT.	
112+55 - 116+64	409	RT.	
116+64 - 117+34	63	LT.	CURB RETURNS/MERTON
116+64 - 117+34	63	RT.	CURB RETURNS/MERTON
117+34 - 123+14	580	LT.	
117+34 - 123+07	573	RT.	
123+14 - 124+04	94	LT.	CURB RETURNS/HARRY
123+07 - 124+11	94	RT.	CURB RETURNS/HARRY
124+04 - 127+27	323	LT.	
124+11 - 127+31	320	RT.	
127+27 - 127+98	63	LT.	CURB RETURNS/FIGG
127+31 - 128+01	63	RT.	CURB RETURNS/FIGG
127+98 - 131+85	387	LT.	
128+01 - 131+89	388	RT.	
131+85 - 132+55	63	LT.	CURB RETURNS/DOOLEY
131+89 - 132+59	63	RT.	CURB RETURNS/DOOLEY
132+55 - 135+41	286	LT.	
132+59 - 136+43	384	RT.	
135+41 - 136+13	90	LT.	CURB RETURNS/ORIENT
136+13 - 136+37	24	LT.	
137+66 - 141+09	343	RT.	
137+66 - 140+40	274	LT.	
140+40 - 141+11	63	LT.	CURB RETURNS/STILLWELL
141+09 - 141+79	63	RT.	CURB RETURNS/STILLWELL
141+11 - 144+30	319	LT.	
141+79 - 145+00	321	RT.	
144+30 - 145+00	63	LT.	CURB RETURNS/IRVING
PROJECT TOTAL	6,803		

NOTE: 1½" EDGE CURB (MONOLITHIC) INCLUDED IN AND PAID AS 6" EDGE CURB (MONOLITHIC)

PLANT MIX BITUMINOUS MIXTURE		
STATION TO STATION	COMMERCIAL GRADE (6")	UNIT
79+00 - 81+40	36	TONS
81+40 - 102+75	464	TONS
102+75 - 110+60	178	TONS
110+60 - 123+80	450	TONS
123+80 - 145+00	472	TONS
PROJECT TOTAL	1600	TONS

EARTHWORK							
STATION TO STATION	COMMON EXCAVATION (C.Y.)	COMPACTION THROUGH CUTS TYPE B (MR-90) (C.Y.)	ROCK EXCAVATION (C.Y.)	COMMON EXCAVATION (WASTED) (C.Y.)	ROCK EXCAVATION (WASTED) (C.Y.)	COMPACTION TYPE B (MR-90) (C.Y.)	REMARKS
		V.M.F.					
78+99.39 to 136+42.58	7,719	0.8	425	8,615	6,615	8,615	883
137+65.80 to 144+99.78	1,096	0.8	55	1,044	1,088	1,044	6
78+99.39 to 144+99.78	800	0.8					REMOVAL OF TEMPORARY SURFACING
TOTAL	9,615	0.8	480	9,659	7,703	9,659	889

NOTE:
ROCK EXCAVATION INCLUDES DRIVEWAYS (8") AND ROADWAY (8")

COMBINED CURB & GUTTER (AE)			
LOCATION		TYPE I LIN. FT.	REMARKS
STATION TO STATION	SIDE		
78+99 - 83+58	LT.	459	
78+99 - 84+03	RT.	504	
84+03 - 84+94	RT.	94	CURB RETURNS/LYDIA
84+48 - 88+72	LT.	424	
84+94 - 90+25	RT.	531	
89+62 - 96+76	LT.	714	
90+25 - 91+15	RT.	94	CURB RETURNS/JEWELL CT.
91+15 - 111+65	RT.	2,050	
97+67 - 103+56	LT.	589	
104+46 - 110+06	LT.	560	
111+65 - 112+55	RT.	94	CURB RETURNS/SENECA CT.
49+22 - 49+50	LT.	18	LYDIA ST.
49+22 - 49+50	RT.	18	LYDIA ST.
50+60 - 50+86	LT.	26	JEWELL CT.
50+60 - 50+86	RT.	26	JEWELL CT.
48+98 - 49+40	LT.	42	MAY ST.
48+98 - 49+40	RT.	42	MAY ST.
48+93 - 49+51	LT.	58	MERTON AVE.
48+93 - 49+51	RT.	58	MERTON AVE.
49+05 - 49+40	LT.	36	HARRY ST.
49+05 - 49+41	RT.	36	HARRY ST.
49+20 - 49+51	LT.	27	FIGG AVE.
49+20 - 49+51	RT.	27	FIGG AVE.
50+49 - 50+77	LT.	28	FIGG AVE.
50+49 - 50+77	RT.	28	FIGG AVE.
49+18 - 49+51	LT.	21	STILLWELL AVE.
49+18 - 49+51	RT.	33	STILLWELL AVE.
PROJECT TOTAL		6,637	

NOTE: COMBINED CURB & GUTTER (TYPE II) INCLUDED IN AND PAID AS COMBINED CURB & GUTTER (TYPE I)

EXISTING PAVEMENT WIDTH & DEPTH					
STATION	OFFSET FT.	DIR.	WIDTH FT.	DEPTH IN.	SOIL TYPE
85+03	18	RT.	49	7 3/4	SAND
104+55	15	RT.	49	8 1/4	SAND
122+28	12	LT.	41.5	6	SAND
126+59	5	LT.	49	7 3/4	SILTY SAND
136+98	3	LT.	49	7 1/2	SILTY SAND
143+58	17	LT.	49	7 3/4	SAND

RECAPITULATION OF ROAD QUANTITIES		
BID ITEM	QUANTITY	UNIT
CLEARING AND GRUBBING	LUMP SUM	L.S.
REMOVAL OF EXISTING STRUCTURES	LUMP SUM	L.S.
COMMON EXCAVATION	9,615	C.Y.
COMPACTION OF EARTHWORK (TYPE B)(MR-90)	889	C.Y.
FOUNDATION STABILIZATION (SET)	1	C.Y.
ROCK EXCAVATION	9,659	C.Y.
CONCRETE PAVEMENT (9" UNIFORM)(AE)(NRDJ)	43,420	S.Y.
CONCRETE PAVEMENT (9" UNIFORM)(AE)	741	S.Y.
CONCRETE PAVEMENT (8" UNIFORM)(AE)	2,978	S.Y.
CONCRETE PAVEMENT (6" UNIFORM)(AE)(PLAIN)	1,659	S.Y.
PAVING BRICK	395	S.Y.
CRUSHED STONE SUBGRADE (4")	47,609	S.Y.
GEOGRID REINFORCEMENT (FOR BASE)	47,609	S.Y.
SIDEWALK CONSTRUCTION (4") (AE)	4,540	S.Y.
SIDEWALK CONSTRUCTION (6") (AE)(SPECIAL)	1,576	S.Y.
CONCRETE CORES (SET)	1	EACH
CURB, EDGE (6") (AE)	6,803	L.F.
CURB & GUTTER, COMBINED (AE)	6,637	L.F.
WATER LINE ADJUSTMENT	LUMP SUM	L.S.
15" STORM SEWER (R.C.P.)	727	L.F.
18" STORM SEWER (R.C.P.)	1289	L.F.
24" STORM SEWER (R.C.P.)	867	L.F.
30" STORM SEWER (R.C.P.)	826	L.F.
36" STORM SEWER (R.C.P.)	972	L.F.
60" STORM SEWER (R.C.P.)	93	L.F.
7.0 SQ. FT. STORM SEWER (RCPHE)	44	L.F.
10.0 SQ. FT. STORM SEWER (RCPHE)	1057	L.F.
12.5 SQ. FT. STORM SEWER (RCPHE)	456	L.F.
REINFORCED CONCRETE BOX (6'x4')(PRECAST)	100	L.F.
REINFORCED CONCRETE BOX (8'x4')(PRECAST)	122	L.F.
REINFORCED CONCRETE BOX (10'x3')(PRECAST)	743	L.F.
REINFORCED CONCRETE BOX (10'x4')(PRECAST)	260	L.F.
CLASS AAA CONCRETE	64.8	C.Y.
REINFORCING STEEL (GRADE 60)	15,630	LBS.
INLET (CURB) (TYPE II)	97	EACH
MANHOLE (TYPE B)	7	EACH
MANHOLE (REINFORCED CONCRETE)	35	EACH
CONCRETE FOR SEAL COURSE (SET)	1	C.Y.
PLANT MIX BITUMINOUS MIXTURE COMMERCIAL GRADE	1600	TONS
MONUMENT BOX	2	EACH
WATER (GRADING)(SET)	1	M GAL
FIELD OFFICE AND LAB (TYPE A)	1	EACH
RESTORATION AND MAINT.OF HAUL ROADS (SET)	LUMP SUM	L.S.
MOBILIZATION	LUMP SUM	L.S.
MOBILIZATION (DBE)	LUMP SUM	L.S.
TRAINEES (HIGHWAY CONSTRUCTION)(1)(SET)	1	hour
TEMPORARY SURFACING MATERIAL (SET)	1	C.Y.
CONSTRUCTION STAKING BY L.P.A.		

*FOR PLANTING MATERIAL SUMMARY OF QUANTITIES, SEE SH. NO. 76.
*FOR TEMPORARY SEEDING SUMMARY OF QUANTITIES, SEE SH. NO. 57.
*FOR SEEDING SUMMARY OF QUANTITIES, SEE SH. NO. 62.
*FOR STORM SEWER RECAPITULATION OF QUANTITIES, SEE SH. NO. 78.
*FOR TRAFFIC SIGNAL INSTALLATION QUANTITY, SEE SH. NO. 79.
*FOR CROSSWALK SIGNAL INSTALLATION QUANTITY, SEE SH. NO. 79.
*FOR PAVEMENT MARKING SUMMARY OF QUANTITIES, SEE SH. NO. 96.
*FOR TRAFFIC CONTROL SUMMARY OF QUANTITIES, SEE SH. NO. 101A.
*FOR CONCRETE PAVEMENT (9" UNIF)(AE) QUANTITIES, SEE SHT. NO. 35.

ΔSEE LETTER OF 7-28-97 FOR PARTICIPATION RATIO.

*FOR WATERLINE ADJUSTMENT QUANTITIES, SEE SH. NO. 54.

FHWA REGION NO.	STATE	PROJECT NO.	YEAR	SHEET NO.	TOTAL SHEETS
7	KS.	87N 0064-01	1997	56	130

KANSAS DEPARTMENT OF TRANSPORTATION			
SUMMARY OF QUANTITIES			
PROJECT NO. 87N 0064-01		SEDGWICK CO.	
MID-KANSAS ENGINEERING CONSULTANTS, INC.			
WICHITA, KANSAS			
DESIGNED BY:	GJA	CHECKED BY:	
DRAWN BY:	GJA	DATE:	SHEET 56 OF 130