

STATE	PROJECT NO.	YEAR	SHEET NO	TOTAL SHEETS
KANSAS	87 N-0287-01	2003	49	107

RECAPITULATION OF ROAD QUANTITIES

BID ITEM	QUANTITY	UNIT
CLEARING AND GRUBBING	1	L.S.
REMOVAL OF EXISTING STRUCTURES	1	L.S.
COMMON EXCAVATION	12,345.6	m ³
COMPACTED FILL (TYPE B)(MR-90)	1,197.8	m ³
PAVEMENT REMOVAL	17,063	m ²
DRIVEWAY REMOVAL	1,838	m ²
SIDEWALK REMOVAL	2,038	m ²
AC PAVEMENT (50 mm)(BM-2)	27,728	m ²
REINFORCED CRUSHED ROCK BASE (200 mm)	32,947	m ²
SIDEWALK CONSTRUCTION (100 mm)(AE)	2,379.7	m ²
SIDEWALK CONSTRUCTION (200 mm)(AE)	19.5	m ²
BIKEPATH CONSTRUCTION (200 mm)(AE)	1,106.3	m ²
CLAY BRICK PAVERS (60 mm)	570	m ²
CONCRETE PAVEMENT (DRIVES) (200 mm)(AE)(REINFORCED)(MEASURED)	848	m ²
REINFORCED CONCRETE VALLEY GUTTER (200 mm UNIFORM)(AE)	1,524	m ²
A.C. PAVEMENT 125 mm BASE COURSE (BM-2)(PG 70-28)	28,736	m ²
A.C. PAVEMENT 200 mm (BM-2)(PG 70-28)	246	m ²
A.C. TEMPORARY PAVEMENT	1	L.S.
CURB AND GUTTER, COMBINED (TYPE I)(AE)	2,824.5	m
CURB AND GUTTER, COMBINED (TYPE II)(AE)	281.4	m
CURB AND GUTTER, COMBINED (TYPE III)(AE)	1,680.3	m
MONO EDGE CURB (AE)	254.8	m
WHEELCHAIR RAMP CONSTRUCTION	16	EACH
RETAINING WALL (200 mm)	39.1	m
GEOBLOCK (GB-132)	66.1	m ²
375 mm STORM SEWER RCP *	9.4	m
450 mm STORM SEWER RCP *	449.0	m
600 mm STORM SEWER RCP *	353.5	m
750 mm STORM SEWER RCP *	125.1	m
900 mm STORM SEWER RCP *	56.9	m
0.30 m ² STORM SEWER RCPHE *	32.2	m
0.35 m ² STORM SEWER RCPHE *	32.4	m
0.65 m ² STORM SEWER RCPHE *	7.42	m
0.90 m ² STORM SEWER RCPHE *	90.0	m
INLET (CURB)(TYPE 1)(1.930 m x 1.630 m) *	1	EACH
INLET (CURB)(TYPE 1A)(1.930 m x 1.320 m) *	9	EACH
INLET (CURB)(TYPE 1A)(1.930 m x 1.630 m) *	4	EACH
INLET (CURB)(TYPE 1A)(1.930 m x 1.930 m) *	1	EACH
INLET (CURB)(TYPE 1A)(3.450 m x 1.320 m) *	3	EACH
INLET (CURB)(TYPE 1A)(3.450 m x 1.630 m) *	2	EACH
INLET (CURB)(TYPE 1A)(3.450 m x 1.930 m) *	1	EACH
INLET (CURB)(TYPE 1A)(3.450 m x 2.240 m) *	1	EACH
INLET (CURB)(TYPE 1A)(3.450 m x 2.540 m) *	1	EACH
INLET (CURB)(TYPE 1A)(4.980 m x 1.320 m) *	1	EACH
INLET (CURB)(TYPE 22 RADIUS)(1.500 m x 1.070 m) *	1	EACH
MANHOLE, STANDARD TYPE "P" (1.220 m DIA.)(PRECAST) *	3	EACH
MANHOLE, STANDARD TYPE "P" (1.530 m DIA.)(PRECAST) *	2	EACH
MANHOLE, STANDARD TYPE "P" (1.980 m DIA.)(PRECAST) *	1	EACH
MANHOLE, SPECIAL SHALLOW TYPE "B" (1.220 m DIA.) *	1	EACH
MANHOLE, REINFORCED CONCRETE (2.290 m x 1.220 m) *	2	EACH
MANHOLE ADJUSTMENT (SAN. SEW.)	1	EACH
VALVE ADJUSTMENT (WATER)	5	EACH
FLOWABLE FILL (SWS)	130.2	m
PVC (150 mm) *	23.9	m
CURB CASTING *	4	EACH
UNDERDRAIN	611.4	m
SURVEY MONUMENT	1	EACH
SEEDING (SODDING) ***	1	L.S.
EROSION CONTROL **	1	L.S.
PAVEMENT MARKING +	1	L.S.
REMOVAL OF EXISTING STRIPING	1	L.S.
TRAFFIC SIGNAL INSTALLATION ****	1	L.S.
SIGNING **	1	L.S.
TRAFFIC CONTROL	1	L.S.
TEMPORARY SIGNALIZATION	1	L.S.
MOBILIZATION	1	L.S.
MOBILIZATION (DBE)	1	L.S.
FIELD OFFICE AND LAB (TYPE A)	1	L.S.
HIGHWAY TRAINEE (SET)	X	HOUR
NON-PARTICIPATING		
IRRIGATION CONDUIT (100 mm PVC)(SCH. 40)	1	L.S.
VALVE ADJUSTMENT (WATER)	39.5	m
MANHOLE ADJUSTMENT (SAN. SEW.)	6	EACH
TRANSPORTATION OF SALVAGEABLE MATERIAL	1	EACH
SIGNING (SNS) **+	1	L.S.

* FOR STORM SEWER SUMMARY OF QUANTITIES SEE SHEET NO. 46
 ** FOR TEMPORARY SEEDING SUMMARY OF QUANTITIES SEE SHEET NO. 50
 *** FOR SEEDING (SODDING) SUMMARY OF QUANTITIES SEE SHEET NO. 54
 **** FOR TRAFFIC SIGNAL INSTALLATION SUMMARY OF QUANTITIES SEE SHEET NO. 56
 + FOR PAVEMENT MARKING SUMMARY OF QUANTITIES SEE SHT. NO. 67
 ** FOR SIGNING (SNS) SUMMARY OF QUANTITIES SEE SHT. NO. 68
 *** FOR SIGNING SUMMARY OF QUANTITIES SEE SHT. NO. 69

2				
1				
NO.	DATE	REVISIONS	BY	APP'D
KANSAS DEPARTMENT OF TRANSPORTATION				
SUMMARY OF QUANTITIES				
PROJ. NO. 87 N-0287-01		SEDGWICK CO.		
MKEC ENGINEERING CONSULTANTS, INC.				
WICHITA, KANSAS				
DESIGNED BY: XXX	CHECKED BY: XXX			
DRAWN BY: WNU	DATE: Jan. 2003	SHEET 49 OF 107		

REINFORCED CRUSHED ROCK BASE

STATION	CRUSHED ROCK BASE (200 mm) (m ²)	GEOGRID REINFORCEMENT (FOR BASE) (m ²)	REMARKS
0+885.2 - 0+982.9	196.36	196.36	
1+009.5 - 1+550	12,427.93	12,427.93	
1+550 - 2+100	10,339.38	10,339.38	
2+100 - 2+614.3	9,696.89	9,696.89	
4+905.7 - 4+972.2	286.24	286.24	
PROJECT TOTAL	32,946.80	32,946.80	

CURB AND GUTTER, COMBINED (AE)

Station to Station	Side	Type I (m)	Type II (m)	Type III (m)	Monolithic Edge Curb (m)	REMARKS
29th. Street						
0+885.15 - 0+982.99	Lt.			102.74		
1+012.09 - 1+069.67	Lt.	67.83				Includes Return
1+011.58 - 1+120.39	Rt.	115.49				Includes Return
1+018.22 - 1+167.92	C/L			299.06		
1+069.67 - 1+088.60	Lt.		19.15			Bank Entrance
1+088.60 - 1+167.55	Lt.	78.94				
1+120.39 - 1+138.44	Rt.		18.06			Church Entrance
1+125.11	Rt.	6.33				Church Entrance
1+133.81 - 1+141.11	Rt.	8.93				Church Entrance
11+138.44 - 1+219.82	Rt.	82.03				
1+167.55 - 1+173.67	Lt.				9.72	Valley Gutter Return
1+173.67	Lt.	2.50				WalMart Entrance
1+180.81 - 1+182.03	Lt.				3.21	Valley Gutter Median
1+180.81	Lt.		2.50			WalMart Entrance
1+182.03	Lt.		2.50			WalMart Entrance
1+187.73	Lt.	2.50				WalMart Entrance
1+187.73 - 1+196.88	Lt.			14.37		Valley Gutter Return
1+196.88 - 1+245.46	Lt.	48.07				
1+219.82 - 1+241.38	Rt.		21.56			Church Entrance
1+241.38 - 1+282.05	Rt.	40.67				
1+245.46 - 1+258.46	Lt.		13.00			WalMart Entrance
1+258.46 - 1+308.26	Lt.	50.28				
1+282.05 - 1+303.42	Rt.		20.89			Church Entrance
1+303.42 - 1+377.91	Rt.	74.68				
1+308.26 - 1+346.47	Lt.		38.22			2-Entrances
1+346.47 - 1+414.61	Lt.	68.13				
1+377.91 - 1+398.99	Rt.		21.08			Entrance
1+398.99 - 1+437.62	Rt.	38.45				
1+414.61 - 1+422.40	Lt.			12.55		Valley Gutter Return
1+437.62 - 1+445.42	Rt.		17.80			Valley Gutter Return
1+440.56 - 1+440.56	Lt.			8.19		Entrance
1+440.56 - 1+787.56	Lt.	347.32				
1+440.24 - 1+752.76	C/L			625.44		
1+455.42 - 1+913.65	Rt.	458.23				
1+787.56 - 1+796.71	Lt.			14.41		Valley Gutter Return
1+804.09 - 1+807.69	Lt.			9.92		Valley Gutter Median
1+812.27 - 1+821.42	Lt.			14.38		Valley Gutter Return
1+817.90 - 1+918.31	C/L			201.24		
1+821.42 - 2+198.77	Lt.	377.66				
1+913.65 - 1+922.80	Rt.			16.27		Valley Gutter Return
1+928.27 - 1+934.37	Rt.			9.59		Valley Gutter Median
1+941.08 - 1+950.23	Rt.			16.27		Valley Gutter Return
1+950.23 - 2+217.45	Rt.	266.90				
1+985.61 - 2+164.95	C/L			359.04		
2+198.77 - 2+207.89	Lt.			15.48		Valley Gutter Return
2+217.45 - 2+233.87	Rt.		16.53			Entrance
2+220.04 - 2+229.24	Lt.			15.89		Valley Gutter Return
2+229.24 - 2+273.76	Lt.	44.20				
2+233.87 - 2+308.38	Rt.	74.72				
2+273.76 - 2+291.48	Lt.		17.72			Entrance
2+278.98	Lt.	6.52				Entrance
2+286.25	Lt.	6.62				Entrance
2+291.48 - 2+377.83	Lt.	86.35				
2+377.83 - 2+394.96	Lt.		17.31			
2+394.96 - 2+433.62	Lt.	40.29				
2+308.38 - 2+326.83	Rt.		18.45			Entrance
2+326.83 - 2+408.44	Rt.	80.83				
2+327.42 - 2+370.05	C/L			87.82		
2+408.44 - 2+419.87	Rt.			20.17		Valley Gutter Return
2+425.60 - 2+428.87	Rt.			8.89		Valley Gutter Median
2+433.62 - 2+455.12	Lt.		21.58			Entrance
2+436.57 - 2+445.06	Rt.			18.21		Valley Gutter Return
2+444.2	Lt.	5.54				Entrance
2+445.06 - 2+493.09	Rt.	48.02				
2+455.12 - 2+598.57	Lt.	141.81				
2+493.09 - 2+513.168	Rt.		20.08			Entrance
2+513.168 - 2+598.57	Lt.	87.05				
2+598.57 - 2+613.73	Rt.			23.72		Valley Gutter Return
2+598.57 - 2+613.72	Rt.			23.57		Valley Gutter Return
Rock Road						
4+905.57 - 4+972.24	Rt.	67.64				
TOTAL		2,824.53	281.43	1,680.34	254.81	

GEOBLOCK

STATION	SIDE	(GB-132) m	REMARKS
29TH. STREET			
1+252.0	LT.	66.1	Emergency Access
PROJECT TOTAL		66.1	

MANHOLE ADJUSTMENT (SAN. SEW.)

Station	Offset m	Elevation Existing	Proposed
1+794.7	3.3 Lt.	65.406	65.477

MANHOLE ADJUSTMENT (SAN. SEW.) (NON-PARTICIPATING)

Station	Offset m	Elevation Existing	Proposed
1+794.8	15.6 Lt.	Buried	65.838

SIDEWALK CONSTRUCTION (AE)

LOCATION	100 mm (m ²)	200 mm (m ²)	REMARKS
29th. Street			
1+015.7 - 1+075.7	LT	94.09	Excludes 1 wheelchair ramp.
1+017.1 - 1+027.3	RT	15.44	Excludes 1 wheelchair ramp.
1+082.6 - 1+170.2	LT	132.34	Excludes 1 wheelchair ramp.
1+120.0 - 1+125.0	RT	7.51	
1+134.0 - 1+145.0	RT	16.63	
1+190.3 - 1+245.7	LT	81.96	Excludes 1 wheelchair ramp.
1+245.7 - 1+258.7	LT		19.48
1+258.7 - 1+313.5	LT	83.23	
1+223.3 - 1+225.7	RT	3.67	
1+235.2 - 1+237.5	RT	3.45	
1+322.7 - 1+332.1	LT	14.21	
1+341.2 - 1+418.3	LT	115.60	Excludes 1 wheelchair ramp.
1+435.1 - 1+443.2	RT	12.05	
1+438.0 - 1+792.0	LT	531.87	Excludes 2 wheelchair ramp.
1+449.9 - 1+452.9	RT	4.45	
1+647.7 - 1+919.2	RT	407.42	Excludes 1 wheelchair ramp.
1+816.6 - 2+201.4	LT	579.46	Excludes 2 wheelchair ramp.
2+010.0 - 2+030.0	RT	30.18	
2+215.5 - 2+222.0	RT	9.73	
2+229.7 - 2+236.9	RT	11.28	
2+311.3 - 2+313.7	RT	3.52	
2+321.5 - 2+331.6	RT	15.76	
2+409.2 - 2+414.0	RT	6.78	Excludes 1 wheelchair ramp.
2+441.5 - 2+450.3	RT	12.93	Excludes 1 wheelchair ramp.
2+487.2 - 2+499.0	RT	18.30	
2+507.2 - 2+608.5	RT	149.37	
Rock Road			
4+941.4 - 4+944.4	RT	3.60	
4+968.6 - 4+969.7	RT	2.08	
Penstemon			
5+013.5 - 5+017.7	LT	4.98	
5+016.6 - 5+017.7	RT	1.24	
Cypress			
5+014.8 - 5+020.0	RT	6.25	
PROJECT TOTAL		2,379.65	19.48

BIKEPATH CONSTRUCTION (AE)

LOCATION	100 mm (m ²)	REMARKS
----------	--------------------------	---------