STATE	PROJECT NO.	YEAR	SHEET NO	TOTAL SHEETS
KANSAS	87 N-0203-01	2003	26	48

SIDEWALK CONSTRUCTION (100 mm)(AE)

STATION TO STATION	SIDE	WIDTH	QUANTITY m2	REMARKS
2+159 to 2+269	Lt.	1.80	184.0	Excludes Ramps
2+152 to 2+222	Rt.	1.80	100.7	Excludes Ramps
2+230 to 2+257	Rt.	1.22	33.5	
TOTALS			318.2	

SIDEWALK RAMP – TYPE I

STATION	SIDE	QUANTITY Each	REMARKS
2+208	Rt.	1	
2+218	Rt.	1	
2+254	Lt.	1	
2+264	Lt.	1	
TOTALS		4	

CURB AND GUTTER, COMBINED (AE)

STATION TO STATION	SIDE	LENGTH – m		REMARKS
		Type I	Type II	
2+120 to 2+121	Lt.	1.1		
2+121 to 2+136	Lt.		13.0	
2+136 to 2+165	Lt.	29.1		
2+193 to 2+249	Lt.	55.4		
2+270 to 2+299	Lt.	29.1		
2+120 to 2+138	Rt.	18.3		
2+138 to 2+154	Rt.		16.1	
2+154 to 2+165	Rt.	11.0		
2+193 to 2+202	Rt.	8.8		
2+221 to 2+299	Rt.	77.9		
TOTALS		230.7	29.1	

CONCRETE PAVEMENT (150 mm)(PLAIN)(AE)

STATION	SIDE	QUANTITY m2	REMARKS
2+128.661	Lt.	34.7	Driveway
2+146.759	Rt.	43.6	Driveway
TOTALS		78.3	

COLD MILLING ASPHALT PAVEMENT (40 mm)

STATION TO STATION	QUANTITY m2	REMARKS
2+120.000 to 2+299.046	2385	Thickness will vary to facilitate proposed pavement cross-slope
TOTALS	2385	

ADJUSTMENT OF MANHOLES AND VALVES

STATION	SIDE	TYPE	EXISTING ELEVATION	PROPOSED ELEVATION	REMARKS
2+235.5	Lt.	Manhole	410.408	410.283	Contractor to field verify
2+235.5	Lt.	Manhole	410.743	410.490	Contractor to field verify
2+249.0	Lt.	Valve			Coordinate with City
2+265.5	Lt.	Valve			Coordinate with City

STORM SEWER MANHOLES (PRECAST)

STATION	SIDE	QUANTITY Each	D (mm)	H (mm)	REMARKS
2+158.000	Lt.	1	1 525	2 737	Contractor to field verify
2+189.207	Rt.	1	1 525	2 027	Contractor to field verify
TOTALS		2			

STORM SEWER (RCP)

STATION TO STATION	SIDE	750 mm (m)	450 mm (m)	450 mm (Temporary) (m)	REMARKS
2+158.0 to 2+174.261	Lt.	16.6			Connect east end to proposed RCBB extension
2+184.321 to 2+189.207	Rt.		6.6		Connect west end to proposed RCBB extension
2+173.0	Rt.			5.0	Connect existing from inlet to new wingwall
2+173.1	Lt.			1.5	Connect existing from inlet to new wingwall
2+185.6	Lt.			1.5	Connect existing from inlet to new wingwall
2+185.6	Rt.			5.0	Connect existing from inlet to new wingwall
TOTALS		16.6	6.6	13.0	

REMOVAL AND RESETTING OF SIGNS

STATION	SIDE	QUANTITY Each	SIGN TYPE
2+205	Rt.	1	Street
2+219	Rt.	1	Stop
2+235	Lt.	1	Bus Stop
2+254	Lt.	1	Stop
2+267	Lt	1	Street
2+271	Rt.	1	School X-ing Ahead
TOTALS		6	

REMOVAL OF EXISTING STRUCTURES (For Information Only)

STATION	SIDE	DESCRIPTION	REMARKS
2+158.0	Lt.	450 mm x 14.4 m RCP	
2+170.0	Rt.	Curb Inlet	
2+170.0	Lt.	Curb Inlet	
2+170.0	Rt.	450 mm x 3.6 m RCP	
2+170.0	Lt.	450 mm x 3.2 m RCP	
2+179.291	Rt.	Headwall and wingwall of exist. RCBB	
2+179.291	Lt.	Headwall and wingwall of exist. RCBB	
2+188.4	Rt.	Curb Inlet	
2+188.4	Lt.	Curb Inlet	
2+188.4	Rt.	450 mm x 4.2 m RCP	
2+188.4	Lt.	450 mm x 4.2 m RCP	

EARTHWORK

STATION to STATION	EXCAVATION					COMPACTION
	PAVEMENT REMOVAL	CURB REMOVAL	SIDEWALK REMOVAL	COMMON		95% ASTM D698
	m2	m	m	m3	VMF	m3
2+120.000 to 2+299.046	434	320	201	614	0.80	646
TOTALS	434	320	201	614	0.80	646

PAVEMENT QUANTITIES

STATION TO STATION	SIDE	ASPHALT PAVEMENT (COMM. GRADE)		CONCRETE PAVEMENT		Crushed Rock Base (200 mm) m2	Geogrid Reinforcement m2	REMARKS
		135 mm A.C. Base Course m2	40 mm A.C. Surface Course m2	260 mm (Reinf.)(AE) m2	200 mm (Unif.)(AE) m2			
2+120.000 to 2+299.046	Lt.	188	1502	88.5	92	573	539	
2+120.000 to 2+299.046	Rt.	187	1501	88.5	82	565	532	
TOTALS		375	3003	177	174	1138	1071	

RECAPITULATION OF BRIDGE QUANTITIES

ITEM	QUANTITY	UNIT
Class AAA Concrete (AE)	134.4	m3
Reinforcing Steel (Grade 420)(Epoxy Coated)	12,738	kg
Foundation Stabilization (150 mm)	25	m3
Granular Backfill (Wingwalls)	85	m3
Seal Course	105	m3
Bridge Handrail (Steel)	68.4	m
Bridge Plaque (Non-Participating)	1	Each

RECAPITULATION OF ROAD QUANTITIES

ITEM	QUANTITY	UNIT
Contractor Construction Staking	Lump Sum	Lump Sum
Field Office and Laboratory (Type A)	1	Each
Mobilization	Lump Sum	Lump Sum
Mobilization (DBE)	Lump Sum	Lump Sum
Removal of Existing Structures	Lump Sum	Lump Sum
Temporary Erosion and Pollution Control	Lump Sum	Lump Sum
Seeding and Mulching	Lump Sum	Lump Sum
Traffic Control	Lump Sum	Lump Sum
Clearing and Grubbing	Lump Sum	Lump Sum
Trainees Highway Construction (1)(Set)	1	Hour
Common Excavation	614	m3
Pavement Removal	434	m2
Curb and Gutter Removal	320	m
Concrete Sidewalk Removal	201	m
Compaction of Earthwork (95% ASTM D698)	646	m3
A.C. Pavement (135 mm Base Course)	375	m2
A.C. Pavement (40 mm Surface Course)	3003	m2
Concrete Pavement (260 mm)(Reinf.)(AE)	177	m2
Concrete Pavement (200 mm)(Unif.)(AE)	174	m2
Concrete Pavement (150 mm)(Plain)(AE)	78.3	m2
Geogrid Reinforcement	1070	m2
Crushed Rock Base (200 mm)	1138	m2
Cold Milling Asphalt Pavement (40 mm)	2385	m2
Curb and Gutter, Combined (AE)(Type I and II)	259.8	m
Sidewalk Construction (100 mm)(AE)	318.2	m2
Sidewalk Ramp – Type I	4	Each
450 mm Storm Sewer (RCP)	16.6	m
750 mm Storm Sewer (RCP)	6.6	m
450 mm Storm Sewer (RCP)(Temporary)	13.0	m
Manhole, Precast (1 220)	1	Each
Manhole, Precast (1 525)	1	Each
Manhole Adjustment	2	Each
Valve Adjustment	2	Each
Sign Removal and Replacement	6	Each

For Pavement Marking Quantities See Sheet No. 36

NO.	DATE	REVISIONS	BY	APP'D
2				
1				

KANSAS DEPARTMENT OF TRANSPORTATION

SUMMARY OF QUANTITIES

PROJ. NO. 87 N-0203-01 SEDGWICK CO.

MKEC ENGINEERING CONSULTANTS, INC.
WICHITA, KANSAS

DESIGNED BY:	KJS	CHECKED BY:	KJS	
DRAWN BY:	RSB	DATE: JAN. 2003	SHEET 26 OF 48	