STATE	PROJECT NO.	YEAR	SHEET NO.	TOTAL SHEETS
KANSAS	87 N-0230-01	2003	39	73

** REMOVAL OF EXISTING STRUCTURE

Station	Side	Description
1+686.1	Rt.	600 mm x 7.3 m CMP
1+710.60	Rt.	600 mm x 12.3 m CMP
1+826.50	Lt.	750 mm x 9.0 m RCP with brick and masonry headwalls
1+863.60	Rt.	600 mm x 1 200 mm x 5.4 m MAC
1+883	℄	2–12.2 m Steel Beam spans on and timber substructure. 7.3 m timber plank deck with asphalt overlay.
1+980.10	Lt.	375 mm x 6.0 m CMP
1+968	Rt.	Exist. Riprap and 525 mm x 56 m Stm Sew. (E)

** FOR INFORMATION ONLY.

EARTHWORK

Sta. to Sta.	Excavation cu m VMF=1.00 Rock	Excavation cu m VMF=0.75 Comm.	Excavation cu m VMF=0.75 Contr. Furn.	Compaction cu m (Type B)(MR-90) Embankment
13th Street North				
1+600 – 2+048.37	649	5 537	3 696	6 925
Total	649	5 537	3 696	6 925

DRAINAGE STRUCTURES

Station	Side	Size	Type	Conc. Gr. cu m	Reinf. Steel kg	Entrance Pipe (m) 375 mm	End Sects. (Type 1)(Ea.) 375 mm
1+775	Lt.	375 mm	E.P.			9.8	2
1+965	Lt.	375 mm	E.P.			7.3	
Total						17.1	2

CONCRETE PAVEMENT (200 mm Uniform) (AE) For Valley Gutter

Sta. to Sta.	Side	Quant.	Unit
2+039.171 – 2+047.54	Lt.	24.4	sq m
2+040.000 – 2+048.370	Rt.	24.5	sq m
Total		48.9	sq m

WHEELCHAIR RAMP W/ DETECTION WARNING

Station	Side	Quant	Each
2+044.453	Lt.	1	Each
2+045.304	Rt.	1	Each
Total		2	Each

INLET (Type 1) CURB (150 x 1 500)

Station	Side	Quant. Ea.
1+693.5	6.715 m Lt.	1
1+693.5	6.715 m Rt.	1
Total		2

INLET (Type 1) CURB (150 x 3 000)

Station	Side	Quant. Ea.
1+940	6.715 m Lt.	1
1+94[illegible]	6.715 [illegible] Rt.	1
Total		2

CONCRETE PAVEMENT (260 mm Uniform) (A.E.)

Sta. to Sta.	Quant.	Unit
1+829.843 – 1+842.086	186.1	sq m
1+923.914 – 1+936.157	186.1	sq m
Total	372.2	sq m

CURB & GUTTER, COMBINED (A.E.)

Sta. to Sta.	Side	Type I	Type II	Unit
1+675.000 – 1+772.082	Lt.	97.082		m
1+772.082 – 1+777.962	Lt.		5.880	m
1+777.962– 1+829.843	Lt.	51.881		m
1+675.000 – 1+683.701	Rt.	8.701		m
1+683.701 – 1+688.649	Rt.		4.948	m
1+688.649 – 1+706.31	Rt.	17.882		m
1+706.531 – 1+714.889	Rt.		8.358	m
1+714.889 – 1+829.843	Rt.	114.954		
1+936.157 – 1+962.034	Lt.	25.877		m
1+962.034 – 1+967.914	Lt.		5.880	m
1+967.914 – 2+039.171	Lt.	71.257		m
1+936.157 – 2+040.000	Rt.	103.843		m
SUB– TOTAL		491.477	25.066	m
Total (Type I & Type II)		516.543		m

SLOPE PROTECTION (Shot Rock)

Sta. to Sta.	Side	Quant.	Unit
Bridge @ Sta. 1+883			
Berm Slope No. 1	Lt./Rt.	440	cu m
Berm Slope No. 2	Lt./Rt.	325	cu m
Total		765	cu m

SIDEWALK CONSTRUCTION (100 mm)(A.E.)

Sta. to Sta.	Side	sq m
1+675.00 – 1+844.326	Rt.	243.86
1+921.633 – 2+039.171	Lt.	199.00
2+039.171 (NW Quad. Cedar Park)	Lt.	15.66
1+926.196 – 2+040.000	Rt.	201.17
2+040.000 (SW Quad. Cedar Park)	Rt.	15.71
1+927.6 (Sidewalk turnaround)	Rt.	35.53
Total		710.93

CONCRETE PAVEMENT (150 mm Uniform) (AE)

Station	Side	P (m)	W (m)	Quant.	Unit
1+965	Lt.	1.8	4.0	17.1	sq m
Total				17.1	sq m

CONCRETE SAFETY BARRIER (Special)

Sta. to Sta.	Side	Quant.	Unit
1+829.843 – 1+840.050	Lt.	10.207	m
1+829.843 – 1+844.042	Rt.	14.199	m
1+921.958 – 1+936.157	Lt.	14.199	m
1+925.950 – 1+936.157	Rt.	10.207	m
Total		48.812	m

LARGE TREES TO BE GRUBBED

Sheet No. 3	Quant.	Unit
# 3	6	Each
# 4	55	Each
(For Information Only)		
Total	61	Each

MANHOLE (Type P–Standard)

Station	Side	Quant. Ea.
1+775	8.378 m Rt.	1
Total		1

RECAPITULATION OF ROAD QUANTITIES

ITEM	QUANTITY	UNIT
Clearing & Grubbing	Lump Sum	L.S.
Removal of Existing Structure	Lump Sum	L.S.
Common Excavation (Contractor Furnished)	3 696	cu m
Common Excavation	5 537	cu m
Rock Excavation	649	cu m
Compaction of Earthwork (Type B)(MR–90)	6 925	cu m
Concrete Pavement (260 mm Uniform)(A.E.)	372.2	sq m
Concrete Pavement (200 mm Uniform)(A.E.)	48.9	sq m
Concrete Pavement (150 mm Uniform)(A.E.)	17.1	sq m
Concrete Safety Barrier (Special)	48.8	m
Curb & Gutter, Combined (A.E.)	516.5	m
Inlet (Type 1), Curb (150 x 1 500)	2	Each
Inlet (Type 1), Curb (150 x 3 000)	2	Each
Manhole (Type P–Standard)	1	Each
Sidewalk Construction (100 mm)(A.E.)	710.9	sq m
Wheelchair Ramp w/ Dection Warning	2	Each
Entrance Pipe (375 mm)	17.1	m
Storm Sewer (375 mm)(RCP)	94.4	m
Storm Sewer (450 mm)(RCP)	156.6	m
Storm Sewer (525 mm)(RCP)	84.3	m
Storm Sewer (600 mm)(RCP)	18.3	m
End Section (375 mm)	2	Each
End Section (375 mm)(RC)	2	Each
End Section (450 mm)(RC)	1	Each
End Section (600 mm)(RC)	1	Each
Slope Protection (Shot Rock)	765	cu m
Field Office & Laboratory (Type A)	1	Each
Mobilization	Lump Sum	L.S.
Mobilization (DBE)	Lump Sum	L.S.
Mailbox Installation (Set)	1	Each
Contractor Construction Staking	Lump Sum	L.S.
Bridge Plaque (non–participating)	Lump Sum	L.S.
Ø Sodding & Landscaping (non–participating)	Lump Sum	L.S.

For Bridge Quantities See Sheet 23.
See Sh. No. 40 for Water Pollution Control Quantities.
See Sh. No. 47 for Seeding Details and Quantities.
See Sh. No. 48 for Landscape Quantities.
See Sh. No. 51 for Surfacing Quantities.
See Sh. No. 59 for Traffic Control Details and Quantities.

Ø The installation of sod and planting of trees on private property.
Sod = Approximately 6 700 Sq. Ft.
Trees: 4–Swamp White Oaks, 3–Autumn Blaze Maples, 3–Sawtooth Oaks and 4–Keteleeri Junipers shown in the Plant Schedule on Sh. No. 48.

NO.	DATE	REVISIONS	BY	APP'D
	12-1-03	Added Ref.note/Rem.Br.Recap Table	DMK	RJS

KANSAS DEPARTMENT OF TRANSPORTATION

SUMMARY OF QUANTITIES

LP050 SI

FHWA APPROVAL	12-17-03	APP'D	VLE
DESIGNED	DETAILED	MAT QUANTITIES	TRACED
DESIGN CK.	DETAIL CK.	QUAN.CK.	TRACE CK.

02517 LP050SI Plot 1:1