FHWA REGION NO.	STATE	PROJECT NUMBER	FISCAL YEAR	SHEET NUMBER	TOTAL SHEETS
7	KANSAS	87N-0189-01	2001	105	105

DATE	BY	REFERENCES NOTED	REFERENCES CHECKED

REINF. CONCRETE V.G. PAVEMENT (200 mm)

STATION	200 mm CONC. PVMT. (PL.) (SQ. METERS)	Edge Curb (AE) (150 mm) (LIN. METERS)	REMARKS
21ST & PINE GROVE	139.488	29.545	
21ST & PARKRIDGE (RT.)	161.301	33.915	
21ST & PARKRIDGE (LT.)	277.822	29.251	
21ST & COVINGTON CIR.	138.037	29.483	
21ST & COVINGTON	238.435	29.688	
21ST & SHEFFORD	153.824	29.007	
21ST & PRESCOTT CIR.	217.164	30.122	
21ST & PARKDALE	213.344	30.297	
TOTALS	1539.415	241.308	

CONCRETE PAVEMENT (200 mm)

STATION TO STATION	ROADWAY	SIDE	CONC. PVMT. (200 mm UNIF.) (SQ. METERS)	REMARKS
10+682.819	21ST	RT.	48.110	
10+729.235	21ST	RT.	84.402	
10+773.056	21ST	LT.	122.905	
10+864.365	21ST	LT.	97.415	
10+940.736	21ST	LT.	94.448	
10+999.375	21ST	LT.	99.235	
11+085.704	21ST	LT.	124.585	
11+188.655	21ST	LT.	145.817	
11+232.117	21ST	LT.	158.119	
TOTALS			975.036	

VALVE BOX ADJUSTMENT

STATION	OFFSET	ELEVATION

RECAPITULATION OF QUANTITIES

ITEM	QUANTITY	UNIT
PARTICIPATING		
Site Clearing and Preparation	1	L.S.
Removal of Existing Structures	1	L.S.
Common Excavation	21767	Cu. Meters
Compaction of Earthwork (Type B) (MR-90)	5149	Cu. Meters
Rock Excavation (Pavement Removal)	25872	Sq. Meters
Crushed Stone Subgrade (125mm)	1914	Sq. Meters
Crushed Stone Subgrade (150mm)	1994	Sq. Meters
Crushed Stone Subgrade (200mm)	34152	Sq. Meters
Geogrid Reinforcement (For Base)	38060	Sq. Meters
AC Pavement (175mm)	30920	Sq. Meters
Temporary Asphalt	7458	Sq. Meters
Concrete Pavement (230mm) (Intersection)	1865	Sq. Meters
Concrete Pavement (200mm) (V.G.)	1540	Sq. Meters
Concrete Pavement (200mm) (Drives)	976	Sq. Meters
Concrete Base for Brick Pavers (150 mm)	484	Sq. Meters
Combined Curb and Gutter (Type I and II)	2762	Lin. Meters
Combined Curb and Gutter (Type III)	432	Lin. Meters
Edge Curb (150mm)	242	Lin. Meters
Sidewalk Pavement (100mm)	5249	Sq. Meters
Wheelchair Ramp	21	Each
Paving Brick (80mm)	484	Sq. Meters
Inlet (Type I)(Curb)(L=3000mm)	20	Each
Type P Manhole (1800 mm Dia.)	1	Each
Type P Manhole (2100 mm Dia.)	1	Each
Reinforced Concrete Manhole (Special)	1	Each
575 x 350 Storm Sewer (HERCP)	105	Lin. Meters
750 x 475 Storm Sewer (HERCP)	219	Lin. Meters
850 x 550 Storm Sewer (HERCP)	369	Lin. Meters
950 x 600 Storm Sewer (HERCP)	147	Lin. Meters
1125 x 725 Storm Sewer (HERCP)	70	Lin. Meters
1325 x 850 Storm Sewer (HERCP)	113	Lin. Meters
1325 x 850 End Section (HERCP)	1	Each
1125 x 725 End Section (HERCP)	2	Each
750 x 475 End Section (HERCP)	1	Each
2400 x 900 Precast RCBC (Incl. End Section)	132	Meters
Heavy Stone Rip-rap	235	Sq. Meters
Flowable Fill	34	Meters
Removal of Existing RCBC's	1	L.S.
Signal Conduit, Service and Junction Boxes	1	L.S.
Concrete Weir Structures	1	L.S.
Pedestrian Bridge and Concrete Abutments	1	L.S.
Monument Box	1	Each
Field Office and Laboratory (Type A)	1	L.S.
Pavement Marking	1	L.S.
Traffic Control	1	L.S.
Traffic Signing	1	L.S.
Soil Erosion BMP's	1	L.S.
Permanent Sodding	1	L.S.
Temporary Seeding	1	L.S.
Mobilization	1	L.S.
Mobilization (DBE)	1	L.S.
Highway Trainee (SET)	500	Hr.
NON-PARTICIPATING		
300 mm Water Main	71	Lin. Meters
300 mm DICL Pipe	10	Lin. Meters
300 mm Gate Valve	2	Each
2 year Maintenance Warranty	1	L.S.

CRUSHED STONE SUBGRADE

STA TO STA	ROADWAY	LOCATION	125mm (SQ.METERS)	150mm (SQ.METERS)	200 mm (SQ.METERS)	GEOGRID REINF. FOR BASE (SQ.METERS)
21ST & 119TH		INTER.	303.473			303.473
21ST & 119TH		INTER.		1993.238		1993.238
9+800 to 9+972.345	21st	CL			3501.468	3501.468
4+850.346 to 4+969.080	119th	CL			2093.158	2093.158
5+028.554 to 5+114.999	119th	CL			1630.266	1630.266
10+025.230 to 11+262.357	21st	CL			26150.332	26150.332
5+018.810 to 5+023.833	Pine Grove	CL			48.138	48.138
21ST & PINEGROVE		INTER.	148.070			148.070
5+018.831 to 5+026.126	Parkridge	CL			89.175	89.175
21ST & PARKRIDGE (RT.)		INTER.	169.799			169.799
5+018.795 to 5+029.625	Covington Cir.	CL			102.141	102.141
21ST & PARKRIDGE (LT.)		INTER.	287.716			287.716
21ST & COVINGTON CIR.		INTER.	146.599			146.599
21ST & COVINGTON		INTER.	247.058			247.058
5+018.580 to 5+028.285	Shelford	CL			109.248	109.248
21ST & SHEFFORD		INTER.	162.363			162.363
5+019.030 to 5+030.382	Prescott Cir.	CL			160.185	160.185
21ST & PRESCOTT CIR.		INTER.	225.900			225.900
5+019.194 to 5+035.386	Parkdale	CL			267.725	267.725
21ST & PARKDALE		INTER.	222.350			222.350
TOTALS			1913.328	1993.238	34151.836	38058.402

PAVING BRICK (80 mm)

STATION TO STATION	ROADWAY	LOCATION	PAVING BRICK (80 mm UNIF.) (SQ. METERS)	REMARKS
INTERSECTION				
9+972.345 to 10+25.230	21ST & 119TH	Intersection	304.616	
4+919.849 to 4+969.627	21ST	LT.	52.267	
5+028.080 to 5+085.913	21ST	RT.	60.724	
10+024.756 to 10+087.550	21ST	RT.	65.934	
TOTALS			483.541	

EARTHWORK

STA TO STA	EXCAVATION			COMPACTION (IN FILL)	COMPACTION (IN CUT)	WASTE		BORROW	
	COMMON		ROCK	(TYPE B) (MR-90)	(TYPE B) (MR-90)	COMMON	ROCK	COMMON	ROCK
	CU. METERS	V.M.F.	CU. METERS	CU. METERS	CU. METERS				
21ST ST. N.									
9+800 to 11+262.437	20927	–	–	4688	–	–	–	–	–
119TH ST.									
4+850.346 to 4+969.080	440	–	–	306	–	–	–	–	–
119TH									
5+028.554 to 5+115	400	–	–	155	–	–	–	–	–
TOTALS	21767	–	25872	5149	–	16618	25872	–	–

SIDEWALK CONSTRUCTION (100 mm)

STATION TO STATION	ROADWAY	SIDE	WIDTH (M)	100 mm (SQ. METERS)	REMARKS
9+974.8 to 9+988.1	21st	Lt.	3.0	66.855	Including Wheelchair Ramps
9+976.9 to 9+985.4	21st	Rt.	1.5	34.126	Including Wheelchair Ramps
10+010.4 to 10+152.3	21st	Rt.	1.5		
4+867.4 to 4+982.2	119th	Rt.	1.5	385.986	Including Wheelchair Ramps
10+01.3 to 10+337	21st	Lt.	3.0	974.396	Including Wheelchair Ramps
10+348.7 to 10+468.4	21st	Rt.	1.5	188.776	Including Wheelchair Ramps
10+355.4 to 10+634.1	21st	Lt.	3.0	856.060	Including Wheelchair Ramps
10+477 to 10+679	21st	Rt.	1.5	304.472	Including Wheelchair Ramp
10+652.4 to 10+769.8	21st	Lt.	3.0	362.004	Including Wheelchair Ramp
10+686.5 to 10+726	21st	Rt.	1.5	59.330	
10+732.4 to 10+760.1	21st	Rt.	1.5	43.096	Including Wheelchair Ramp
10+776.3 to 10+861.7	21st	Lt.	3.0	256.495	
10+773.5 to 10+941.3	21st	Rt.	1.5	257.286	Including Wheelchair Ramps
10+866.9 to 10+938.6	21st	Lt.	3.0	218.609	
10+942.9 to 10+996.4	21st	Lt.	3.0	161.018	
11+002.4 to 11+082.4	21st	Lt.	3.0	245.032	Including Wheelchair Ramps
10+957.6 to 11+114.8	21st	Rt.	1.5	238.174	Including Wheelchair Ramps
11+087.1 to 11+184.7	21st	Lt.	3.0	291.477	Including Wheelchair Ramps
11+192.5 to 11+226.6	21st	Lt.	3.0	103.588	
11+130.4 to 11+262.5	21st	Rt.	1.5	201.758	Including Wheelchair Ramp
TOTALS				5248.538	

HEAVY STONE RIP-RAP

STATION	OFFSET	AREA (Sq. Meters)
10+401.947 (21ST)	RT.	85.548
10+672.385 (21ST)	LT.	17.511
10+659.753 (21ST)	RT.	131.669
TOTALS		234.728

CONCRETE PAVEMENT (230 mm)

STATION TO STATION	ROADWAY	SIDE	CONC. PVMT. (230 mm UNIF.) (SQ. METERS)	REMARKS
INTERSECTION				
	21ST	Lt. & Rt.	1864.807	
TOTALS			1864.807	

21ST STREET NORTH
SUMMARY OF QUANTITIES

SRB
924 NORTH MAIN
WICHITA, KANSAS 67203
www.srb1.com
316-264-8008
FAX 264-4821
E-Mail: srb@srb1.com
SAVOY, RUGGLES & BOHM, P.A.
ENGINEERING & SURVEYING

PROJECT NUMBER
472-76-245-83138-000-000-001

DRAWN	DESIGN	REVIEW	DATE	UTILITY	SRB JOB
TEB	MWS		July 6, 2001		147BT

REVISED

SHEET NO. 105 105