FHWA REGION NO.	STATE	PROJECT NUMBER	FISCAL YEAR	SHEET NUMBER	TOTAL SHEETS
7	KANSAS	87N-0080-01	1997	77	162

BY	DATE
REFERENCES NOTED	
REFERENCES CHECKED	

CRUSHED STONE SUBGRADE

STA TO STA	ROADWAY	LOCATION	150 mm CRUSHED STONE (SQ.METERS)	175 mm (SQ.METERS)	200 mm (SQ.METERS)	GEOGRID REINF. FOR BASE (SQ.METERS)
0+380.427	Douglas & Meridian	Lt. & Rt.	714.135			714.135
0+804.739	Second & Meridian	Lt. & Rt.	678.587			678.587
1+196.092 to 1+206.598	Meridian	Lt. & Rt.	85.764			85.764
0+192.786	Burton & Meridian	Rt.		187.944		187.944
0+200.734	Burton & Meridian	Lt.		272.622		272.622
0+594.771	First & Meridian	Rt.		181.318		181.318
0+603.856	First & Meridian	Lt.		193.112		193.112
0+914.485	Martha & Meridian	Rt.		175.949		175.949
1+018.153	Third & Meridian	Lt.		186.477		186.477
1+024.301	Third & Meridian	Rt.		176.647		176.647
1+135.839	Caroline & Meridian	Rt.		174.487		174.487
1+197.807	Railroad	Lt.		60.065		60.065
1+242.283	St. Louis & Meridian	Rt.		175.556		175.556
1+349.445	Vermont & Meridian	Rt.		207.673		207.673
1+414.340	Newell & Meridian	Lt.		149.252		149.252
1+422.597	Newell & Meridian	Rt.		200.778		200.778
1+478.482 to 1+527.611	Meridian	Lt. & Rt.		413.565		413.565
0+035.122 to 0+365.343	Meridian	Lt. & Rt.			4070.929	4070.929
0+452.586 to 0+486.495	Second	Lt. & Rt.			407.320	407.320
0+517.475 to 0+562.555	Second	Lt. & Rt.			539.023	539.023
0+817.784 to 1+196.092	Meridian	Lt. & Rt.			4641.458	4641.458
1+206.598 to 1+519.459	Meridian	Lt. & Rt.			4191.269	4191.269
1+527.611 to 1+590.810	Meridian	Rt.			331.274	331.274
TOTALS			1478.486	2755.445	14181.273	18415.204

CONCRETE PAVEMENT (200 mm) (AE) (PLAIN)

STATION	ROADWAY	SIDE	WIDTH (M)	200 mm CONC. PVMT. (PL) (SQ. METERS)	Edge Curb (AE) (150 mm) (LIN. METERS)	REMARKS
0+053.799	Meridian	Lt.	4 572	43.989	12.046	Full Radius
0+192.786	Burton	Rt.		174.544	32.148	Valley Gutter
0+200.734	Burton	Lt.		254.966	48.195	Valley Gutter
0+275.387	Meridian	Lt.	9 191	126.906	24.368	Full Radius
0+328.150	Meridian	Rt.	9 625	69.314	11.298	Full Radius
0+334.966	Meridian	Lt.	9 081	90.343	16.688	Full Radius
0+361.356	Meridian	Rt.	9 124	67.184	19.826	Full Radius
0+454.338	Douglas	Rt.	9 148	98.710	11.885	Full Radius
0+459.485	Douglas	Lt.	7 338	39.343	7.509	Full Radius
0+477.760	Douglas	Lt.	7 100	29.928	5.788	Full Radius
0+525.878	Douglas	Lt.	6 000	60.783	16.308	Full Radius
0+521.697	Douglas	Rt.	9 269	80.693	12.084	Full Radius
0+406.191	Meridian	Lt.	8 282	60.734	11.181	Full Radius
0+437.784	Meridian	Lt.	9 051	65.673	11.286	Full Radius
0+445.991	Meridian	Rt.	5 334	42.142	11.298	Full Radius
0+594.771	First	Rt.		168.576	30.137	Valley Gutter
0+603.856	First	Lt.		173.996	31.450	Valley Gutter
0+641.607	Meridian	Rt.	7 296	54.544	11.298	Full Radius
0+658.873	Meridian	Rt.	7 319	54.713	11.298	Full Radius
0+747.095	Meridian	Rt.	6 096	54.863	11.298	Full Radius
0+545.031	Second	Lt.	8 920	58.184	11.224	Full Radius
0+547.810	Second	Rt.	4 000	32.448	11.938	Full Radius
0+834.975	Meridian	Rt.	13 257	29.850		Full Ramp
0+858.003	Meridian	Rt.	14 827	44.404		Full Ramp
0+914.485	Martha	Rt.		161.527	17.704	Valley Gutter
0+998.353	Meridian	Rt.	4 933	42.508		Full Ramp
1+018.153	Third	Lt.		173.598	31.916	Valley Gutter
1+024.301	Third	Rt.		163.956	29.184	Valley Gutter
1+135.839	Caroline	Rt.		131.318	28.272	Valley Gutter
1+193.962	Meridian	Lt.	11 528	57.237	11.679	Full Radius
1+242.283	St. Louis	Rt.		162.924	28.969	Valley Gutter
1+349.445	Vermont	Rt.		193.920	35.336	Valley Gutter
1+414.340	Newell	Rt.		137.876	35.108	Valley Gutter
1+422.597	Newell	Lt.		189.061	23.685	Valley Gutter
1+478.485 to 1+527.611	Meridian	Lt. & Rt.		422.199	78.966	Valley Gutter
TOTALS				3842.954	691.370	

SIDEWALK CONSTRUCTION (100 mm) (AE)

STATION TO STATION	ROADWAY	SIDE	WIDTH (M)	100 mm (SQ. METERS)	REMARKS
0+056.113 to 0+194.593	Meridian	Lt.	1 500	181.461	Includes Ramps, Less Drives
0+062.983 to 0+186.576	Meridian	Rt.	1 500	148.344	Includes Ramps, Less Drives
0+206.941 to 0+371.766	Meridian	Lt.	1 500	237.199	Includes Ramps, Less Drives
0+390.332 to 0+598.459	Meridian	Lt.	1 500	272.110	Includes Ramps, Less Drives
0+463.154 to 0+474.210	Meridian	Lt.	1 500	16.843	
0+394.993 to 0+588.735	Meridian	Rt.	1 500	258.676	Includes Ramps, Less Drives
0+609.890 to 0+794.595	Meridian	Lt.	1 500	249.094	Includes Ramps, Less Drives
0+600.863 to 0+794.842	Meridian	Rt.	1 500	259.403	Includes Ramps, Less Drives
0+811.239 to 1+010.546	Meridian	Lt.	1 500	255.826	Includes Ramps, Less Drives
0+811.344 to 0+906.220	Meridian	Rt.	1 500	114.819	Includes Ramps, Less Drives
0+922.990 to 1+015.976	Meridian	Rt.	1 500	131.595	Includes Ramps, Less Drives
1+025.670 to 1+190.304	Meridian	Lt.	1 500	218.034	Includes Ramps, Less Drives
1+032.775 to 1+127.414	Meridian	Rt.	1 500	141.566	Includes Ramps, Less Drives
1+144.264 to 1+195.924	Meridian	Rt.	1 500	70.940	Includes Ramps, Less Drives
1+198.521 to 1+233.534	Meridian	Rt.	1 500	54.629	Includes Ramps
1+207.196 to 1+405.869	Meridian	Lt.	1 500	253.242	Includes Ramps, Less Drives
1+250.762 to 1+343.686	Meridian	Rt.	1 500	116.773	Includes Ramps, Less Drives
1+355.132 to 1+416.796	Meridian	Rt.	1 500	90.352	Includes Ramps, Less Drives
1+429.406 to 1+508.923	Meridian	Rt.	1 500	137.433	Includes Ramps, Less Drives
1+429.406 to 1+595.562	Meridian	Lt.	1 500	194.544	Includes Ramps, Less Drives
TOTALS				3402.883	

WATER METER BOX ADJUSTMENTS

STATION	OFFSET	EXISTING ELEV.	ADJUSTED ELEV.
0+073.1	10 2 Rt	396.158	396.04
0+078.0	6 7 Lt	396.114	396.13
0+083.0	10 0 Rt	396.095	396.21
0+084.4	7 3 Lt	396.062	396.13
0+102.5	12 3 Rt	396.177	396.07
0+105.5	7 7 Lt	396.221	396.07
0+112.3	11 9 Rt	396.173	396.08
0+121.0	7 2 Lt	396.123	396.13
0+126.7	12 2 Rt	396.290	396.16
0+134.2	7 0 Lt	396.246	396.18
0+136.9	11 8 Rt	396.305	396.21
0+157.7	12 1 Rt	396..305	396.40
0+158.4	7 4 Lt	396.314	396.29
0+171.6	12 1 Rt	396.410	396.32
0+175.7	7 0 Lt	396.332	396.33
0+184.7	7 2 Lt	396.382	396.37
0+185.1	12 3 Rt	396.319	396.37
0+216.9	12 2 Rt	396.459	396.52
0+231.7	12 1 Rt	396.529	396.58
0+249.2	12 2 Rt	396.614	396.68
0+256.9	12 4 Rt	396.557	396.72
0+280.1	12 4 Rt	396.757	396.69
0+289.2	12 0 Rt	396.690	396.65
0+303.9	12 2 Rt	396.846	396.61
0+338.9	12 2 Rt	396.820	396.82
0+339.6	12 2 Rt	396.820	396.82
0+340.4	12 2 Rt	396.866	396.83
0+429.5	11 8 Rt	397.118	397.01
0+447.9	7 2 Lt	397.096	397.96
0+453.8	11 9 Rt	397.045	397.07
0+467.2	12 0 Rt	397.122	397.03
0+468.1	7 4 Lt	397.175	397.04
0+483.5	7 4 Lt	397.265	396.94
0+502.0	7 3 Lt	397.193	396.94
0+502.0	12 2 Rt	397.071	396.94
0+515.9	12 0 Rt	397.086	396.98
0+517.6	7 3 Lt	397.179	396.99
0+519.1	7 3 Lt	397.167	397.00
0+528.0	11 9 Rt	397.082	397.16
0+534.4	7 4 Lt	397.156	397.15
0+541.2	12 1 Rt	397.095	397.12
0+550.3	7 2 Lt	397.070	397.04
0+556.4	12 1 Rt	397.137	397.07
0+566.6	7 2 Lt	397.069	397.04
0+573.5	11 9 Rt	396.928	397.01
0+583.7	7 4 Lt	397.032	396.99
0+625.9	7 3 Lt	396.991	397.05
0+631.5	11 9 Rt	397.069	397.06
0+644.5	6 6 Lt	397.083	397.09
0+660.1	6 6 Lt	397.226	397.14
0+676.7	6 4 Lt	397.269	397.19
0+678.3	11 7 Rt	397.212	397.20
0+686.2	6 4 Lt	397.393	397.22
0+700.3	6 6 Lt	397.314	397.27
0+710.6	11 7 Rt	397.316	397.32
0+720.8	6 4 Lt	397.436	397.36
0+725.6	12 0 Rt	397.357	397.40
0+738.0	6 6 Lt	397.363	397.44
0+751.7	12 2 Rt	397.482	397.51
0+753.3	6 5 Lt	397.470	397.48
0+770.3	6 4 Lt	397.437	397.43
0+787.3	6 5 Lt	397.397	397.37
0+824.5	6 4 Lt	397.596	397.46
0+840.6	7 5 Rt	397.447	397.54
0+840.7	7 0 Lt	397.464	397.53
0+849.1	7 6 Rt	397.365	397.57
0+854.4	6 9 Lt	397.455	397.57
0+855.9	6 4 Lt	397.547	397.56
0+864.6	7 6 Rt	397.575	397.55
0+880.3	7 1 Lt	397.471	397.59
0+886.0	7 4 Rt	397.591	397.62
0+896.5	7 3 Rt	397.432	397.65
0+898.7	6 9 Lt	397.482	397.64
0+934.0	6 7 Lt	397.296	397.48
0+935.0	7 2 Rt	397.571	397.49
0+947.0	7 8 Rt	397.577	397.45
0+947.7	6 8 Lt	397.337	397.42
0+955.0	7 0 Lt	397.413	397.32
0+965.2	7 2 Rt	397.462	397.35
0+966.8	6 8 Lt	397.337	397.33
0+981.1	7 7 Rt	397.471	397.29
0+985.5	6 7 Lt	397.294	397.24
0+990.3	7 4 Rt	397.527	397.24
1+001.6	6 7 Lt	397.303	397.23
1+003.6	7 5 Rt	397.483	397.26
1+046.0	6 7 Lt	397.262	397.15
1+053.6	7 5 Rt	397.266	397.14
1+067.3	7 0 Lt	397.245	397.05
1+078.7	7 3 Rt	397.232	397.00
1+093.6	7 0 Lt	397.335	397.03
1+095.4	7 4 Rt	397.213	397.05
1+098.0	7 0 Lt	397.337	397.05
1+100.4	7 1 Rt	397.086	397.06
1+118.1	7 0 Rt	397.051	397.11
1+128.0	6 8 Lt	397.021	397.14
1+141.8	7 0 Lt	396.943	397.19
1+167.4	6 8 Lt	397.255	397.37
1+182.5	6 8 Lt	397.445	397.11

WATER METER BOX ADJUSTMENTS CONT.

STATION	OFFSET	EXISTING ELEV.	ADJUSTED ELEV.
1+236.5	6 8 Lt	397.199	397.36
1+255.4	6 8 Lt	397.170	397.32
1+264.8	6 8 Lt	397.364	397.35
1+273.9	6 8 Rt	397.271	397.38
1+274.0	6 8 Lt	397.285	397.38
1+288.2	6 8 Rt	397.286	397.37
1+290.1	6 8 Lt	397.279	397.36
1+305.2	6 8 Rt	397.307	397.32
1+311.3	6 8 Lt	397.262	397.30
1+316.2	6 8 Rt	397.260	397.28
1+327.7	6 8 Lt	397.338	397.39
1+333.8	6 8 Rt	397.203	397.32
1+343.3	6 8 Lt	397.252	397.37
1+374.8	7 2 Lt	397.369	397.31
1+383.9	6 8 Rt	397.262	397.28
1+400.6	6 8 Lt	397.353	397.30
1+417.0	13 8 Rt	397.277	397.28
1+428.3	13 3 Rt	397.291	397.29
1+438.2	8 5 Lt	397.299	397.48
1+461.6	8 8 Lt	397.342	397.34
1+473.3	8 5 Lt	397.278	397.27
1+491.5	8 4 Lt	397.412	397.41
1+509.2	7 4 Lt	397.336	397.34
1+526.1	9 6 Lt	397.397	397.40
1+545.6	6 8 Lt	397.128	397.13
1+563.6	6 8 Lt	397.228	397.23
1+580.3	6 8 Lt	397.321	397.32

WATER VALVE BOX ADJUSTMENTS

STATION	OFFSET	EXISTING ELEV.	ADJUSTED ELEV.
0+206.9	6 6 Rt	396.172	396.155
0+209.3	6 6 Rt	396.186	396.166
0+212.4	6 1 Rt	396.171	396.197
0+210.2	7 8 Lt	396.410	396.275
0+365.2	8 6 Lt	396.974	397.014
0+368.2	9 4 Lt	396.953	396.808
0+452.4	6 1 Rt	396.824	396.786
0+613.7	8 0 Lt	396.960	396.897
0+708.4	6 1 Rt	397.920	397.026
0+786.3	3 8 Lt	397.126	397.230
0+789.2	6 6 Lt	397.415	397.285
0+795.6	6.4 Lt	397.476	397.062
0+796.3	4 6 Lt	397.450	397.175
0+813.7	8 3 Lt	397.460	397.225
0+901.4	6 1 Rt	397.464	397.422
0+924.3	7 2 Lt	397.331	397.075
1+011.0	8 3 Lt	397.322	397.070
1+032.7	7 7 Rt	397.117	396.970
1+032.8	6 8 Lt	397.235	397.161
1+125.9	6 1 Rt	397.130	396.918
1+139.2	3 2 Rt	396.839	397.051
1+139.4	7 9 Lt	397.041	397.134
1+143.1	7 5 Lt	396.890	397.134
1+143.9	18 6 Rt	397.250	397.250
1+144.3	19 6 Rt	397.250	397.250
1+144.3	7 6 Lt	396.952	397.165
1+248.1	7 3 Lt	397.240	397.265
1+248.1	12 2 Rt	396.967	397.151
1+248.4	7 3 Lt	396.176	397.250
1+248.5	6 9 Lt	397.240	397.238
1+248.8	6 9 Lt	397.330	397.170
1+248.9	10 9 Rt	396.967	397.162
1+249.7	11 0 Rt	397.300	397.179
1+249.0	12 2 Rt	397.010	397.198
1+356.3	19 8 Rt	397.315	397.440
1+356.3	20 8 Rt	397.625	397.445
1+356.7	6 8 Lt	397.250	397.316
1+356.8	6 9 Lt	397.390	397.135
1+361.6	6 5 Rt	397.240	397.270
1+357.0	6 5 Rt	397.248	397.128
1+357.1	6 5 Rt	397.290	397.146
1+414.0	6 9 Rt	397.320	397.145
1+414.2	18 2 Rt	397.345	397.320
1+424.9	10 4 Rt	397.010	397.160
1+425.6	9 7 Rt	397.010	397.160
1+425.6	11 1 Rt	397.010	397.155
1+426.3	10 4 Rt	397.010	397.150
1+428.6	6 9 Rt	397.010	397.200

PAVING BRICK (60 mm) (SQ. METERS)

STA TO STA	ROADWAY	LOCATION	PAVING BRICK (SQ. METERS)	REMARKS
0+380.427	Meridian & Douglas	INTERSECTION	164.460	
1+476.748 to 1+519.459	Meridian & McLean	INTERSECTION	94.220	
TOTALS			258.680	

RECAPITULATION OF ROAD QUANTITIES

	QUANTITY	UNIT
Clearing and Grubbing	Lump Sum	L.S.
Common Excavation	10227	Cu. Meters
Rock Excavation	5102	Cu. Meters
Removal of Existing Structures	Lump Sum	L.S.
Water (Grading) (Set)	1	M Gal.
Compaction of Earthwork (Type B) (MR-90)	217	Cu. Meters
Crushed Stone Subgrade (150 mm)	1479	Sq. Meters
Crushed Stone Subgrade (175 mm)	2756	Sq. Meters
Crushed Stone Subgrade (200 mm)	14181	Sq. Meters
Geogrid Reinforcement for Base	18415	Sq. Meters
Concrete Pavement (160 mm) (AE) (Plain)	2725	Sq. Meters
Concrete Pavement (200mm) (AE) (Plain)	3843	Sq. Meters
Concrete Pavement (240mm) (AE) (Plain)	1435	Sq. Meters
Adjustment of Manhole	8	Each
* Water Valve Box Adjustments	48	Each
* Water Meter Box Adjustments	125	Each
Inlet (Type II) (Curb)(58 mm x 700 mm)	28	Each
Inlet (Type II) (Curb) (58 mm x 1475 mm)	14	Each
Inlet (Type 2R) (Curb) (Special)	5	Each
Inlet (Type 2F) (Curb) (Special)	1	Each
Manhole (Precast) (Type P) (1 525 Dia.)	15	Each
Manhole (Precast) (Type B) (1 220 Dia.) (Shallow)	3	Each
Manhole (Precast) (Type P) (1 220 Dia.)	1	Each
Inlet (Drop) (610 mm x 610 mm)	1	Each
Inlet (Drop) (610 mm x 1220 mm)	1	Each
375mm Storm Sewer (RCP)	195	Lin. Meter
450mm Storm Sewer (RCP)	578	Lin. Meter
600mm Storm Sewer (RCP)	84	Lin. Meter
750mm Storm Sewer (RCP)	302	Lin. Meter
900mm Storm Sewer (RCP)	568	Lin. Meter
0.150m² Storm Sewer (RCPHE)	16	Lin. Meter
0.300m² Storm Sewer (RCPHE)	83	Lin. Meter
Combined Curb & Gutter (AE) (Type I & II)	2643	Lin. Meter
Combined Curb & Gutter (AE) (Type III)	130	Lin. Meter
Edge Curb (150 mm) (AE)	1301	Lin. Meter
Protection Curb (150 mm) (Special) (AE)	10	Lin. Meter
Bore & Jack w/Stl. Casing (1350 mm)	35	Lin. Meter
Sidewalk Construction (100 mm) (AE)	3403	Sq. Meters
Monument Box	10	Each
Paving Brick (60 mm)	259	Sq. Meters
Flowable Fill (Low Strength)	929	Lin. Meter
Concrete Median Nose	1	Each
Remove Inlet	24	Each
Remove Manhole	6	Each
Remove Pipe	252	Meter
Temporary Surfacing Material (Set)	1	Cu. Meter
Field Office and Laboratory (Type A)	1	Each
Mobilization	Lump Sum	L.S.
Mobilization (DBE)	Lump Sum	L.S.
Foundation Stabilization (Set)	1	Cu. Meter
Restoration & Maintenance of Haul Roads (Set)	Lump Sum	L.S.
Trainee Highway Construction (2) (Set)	1	Hour

* Non-participating items

Construction Staking by LPA

See Sh. No. 78 for Summary of Seeding Quantities.
See Sh. No. 105 for Traffic Control Quantities.
See Sh. No. 122 for Surfacing Quantities.
See Sh. No. 70-72 for Storm Sewer and Drainage Structure Quantities.
See Sh. No. 115 for Landscape Quantities.
See Sh. No. 121 for Pavement Marking Quantities.
See Sh. No. 94 for Traffic Signal and Interconnect Quantities.

MERIDIAN IMPROVEMENTS
SUMMARY OF QUANTITIES

SRB 924 NORTH MAIN WICHITA, KANSAS 67203 316-264-6008 FAX 264-4021 http://www.feist.com/~srb E-Mail: srb@feist.com
SAVOY, RUGGLES & BOHM, P.A. ENGINEERING & SURVEYING

PROJECT NUMBER 472-76-245-82740-000-000-001

DRAWN	DESIGN	REVISED	DATE	UTILITY	SRB JOB
E.G.	T.C.R.	JCR	Jan. 9, 1999		539T

ISSUED Feb.19,1999

DOC. NO. SCS 03 | 77 | 162