FHWA REGION NO.	STATE	PROJECT NO.	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
7	KANSAS	BTN-0094-01	1998	116	202

CONCRETE SIDEWALK REMOVAL *
* FOR INFORMATION ONLY. PAID FOR AS COMMON EXCAVATION (cu m).

STATION TO STATION		SIDE	AREA m²	VOL. m³	REMARKS
					ASSD. DEPTH 100mm
+106.250	+142.415	Rt.	43.5	4.4	CONC. SIDEWALK
+134.205	+150.000	Lt.	19.1	1.9	" "
+150.000	+170.047	Rt.	21.3	2.1	" "
+176.116	+190.213	Rt.	13.9	1.4	" "
+194.483	+208.061	Rt.	13.9	1.4	" "
+212.045	+241.555	Rt.	31.5	3.2	" "
+245.394	+266.336	Rt.	23.4	2.3	" "
+270.460	+292.509	Rt.	27.3	2.7	" "
+302.358	+309.373	Rt.	8.9	0.9	" "
+150.000	+226.634	Lt.	97.5	9.8	" "
+291.666	+292.987	Lt.	1.6	0.2	" "
+298.741	+309.373	Lt.	12.6	1.3	" "
+309.373	+335.018	Rt.	29.4	2.9	" "
+338.686	+390.167	Rt.	60.8	6.1	" "
+399.917	+410.501	Rt.	14.9	1.5	" "
+415.050	+442.502	Rt.	31.3	3.1	" "
+445.833	+450.000	Rt.	4.7	0.5	" "
+327.676	+351.772	Lt.	40.9	4.1	" "
+450.000	+460.651	Rt.	11.9	1.2	" "
+464.000	+485.748	Rt.	25.9	2.6	" "
+495.166	+513.733	Rt.	23.1	2.3	" "
+521.096	+529.530	Rt.	9.9	1.0	" "
+534.057	+543.728	Rt.	11.5	1.2	" "
+548.274	+572.324	Rt.	28.1	2.8	" "
+575.996	+583.831	Rt.	8.8	0.9	" "
+589.701	+600.000	Rt.	9.8	1.0	" "
+600.000	+605.868	Rt.	6.7	0.7	" "
+613.648	+664.153	Rt.	59.1	5.9	" "
+671.380	+695.125	Rt.	27.5	2.8	" "
+699.875	+717.094	Rt.	20.2	2.0	" "
+721.921	+750.000	Rt.	35.7	3.6	" "
+609.538	+619.090	Lt.	11.6	1.2	" "
+627.084	+633.136	Lt.	9.7	1.0	" "
+727.312	+742.798	Lt.	19.5	2.0	" "
+750.000	+775.195	Rt.	30.9	3.1	" "
+780.502	+797.562	Rt.	21.1	2.1	" "
+807.301	+816.525	Rt.	18.6	1.9	" "
+852.523	+842.880	Rt.	22.5	2.3	" "
+852.021	+897.517	Rt.	66.0	6.6	" "
+751.867	+759.877	Lt.	9.9	1.0	" "
+910.291	+943.270	Rt.	50.9	5.1	" "
+952.943	+974.163	Rt.	31.6	3.2	" "
+983.738	+996.054	Rt.	22.4	2.2	" "
1+006.034	1+034.750	Rt.	37.0	3.7	" "
1+043.673	1+047.940	Rt.	5.4	0.5	" "
+916.718	+931.538	Lt.	26.5	2.7	" "
+938.941	+986.330	Lt.	58.7	5.9	" "
+995.334	1+034.306	Lt.	45.3	4.5	" "
1+039.866	1+050.000	Lt.	12.2	1.2	" "
1+051.978	1+064.215	Rt.	14.4	1.4	" "
1+068.964	1+094.331	Rt.	32.9	3.3	" "
1+103.456	1+110.639	Rt.	8.5	0.9	" "
1+116.140	1+137.463	Rt.	23.6	2.4	" "
1+149.701	1+168.718	Rt.	22.4	2.2	" "
1+173.076	1+191.987	Rt.	21.1	2.1	" "
1+201.617	1+209.163	Rt.	19.0	1.9	" "
1+050.000	1+058.385	Lt.	9.7	1.0	" "
1+064.557	1+073.826	Lt.	10.8	1.1	" "
1+080.023	1+085.764	Lt.	6.8	0.7	" "
1+092.955	1+114.881	Lt.	26.0	2.6	" "
1+122.382	1+143.081	Lt.	27.1	2.7	" "
1+152.555	1+172.918	Lt.	24.3	2.4	" "
1+182.511	1+192.123	Lt.	20.9	2.1	" "
1+216.841	1+226.177	Rt.	11.6	1.2	" "
1+235.081	1+243.674	Rt.	13.7	1.4	" "
1+247.457	1+256.185	Rt.	10.9	1.1	" "
1+265.211	1+274.676	Rt.	11.0	1.1	" "
1+282.312	1+290.000	Rt.	13.4	1.3	" "
1+299.478	1+341.980	Rt.	49.2	4.9	" "
1+345.626	1349.032	Rt.	3.9	0.4	" "
1+298.504	1+309.804	Lt.	14.1	1.4	" "
1+319.251	1+350.000	Lt.	43.1	4.3	" "
1+356.784	1+388.120	Rt.	47.5	4.8	" "
1+397.425	1+441.484	Rt.	51.7	5.2	" "
1+446.212	1+491.186	Rt.	66.8	6.7	" "
1+500.337	1+508.062	Rt.	9.6	1.0	" "
1+350.000	1+365.631	Lt.	20.1	2.0	" "
1+374.771	1+398.853	Lt.	30.0	3.0	" "
1+508.062	1+152.911	Rt.	36.6	3.7	" "
1+535.669	1+553.396	Rt.	21.6	2.2	" "
1+562.525	1+595.607	Rt.	40.1	4.0	" "
1+605.290	1+655.20	Rt.	62.0	6.2	" "
+456.617	+475.733	Rt.	15.8	1.6	CONC WALK WEST SIDE, SHERIDAN
TOTALS			2114.7	211.5	

CONCRETE DRIVE REMOVAL **
** FOR INFORMATION ONLY. PAID FOR AS ROCK EXCAVATION (cu m).

STATION	SIDE	AREA m²	VOL. m³	REMARKS
				ASSD. DEPTH 150mm
+130.353	Lt.	53.9	8.1	CONC. DRIVE
+146.977	Rt.	61.5	9.2	" "
+173.054	Rt.	29.5	4.4	" "
+192.321	Rt.	24.0	3.6	" "
+210.026	Rt.	24.2	3.6	" "
+243.448	Rt.	21.5	3.2	" "
+247.280	Lt.	37.3	5.6	" "
+268.370	Rt.	24.2	3.6	" "
+288.087	Lt.	53.6	8.0	" "
+295.869	Lt.	50.0	7.5	" "
+336.8119	Rt.	33.4	5.0	" "
+339.223	Lt.	65.3	9.8	" "
+355.573	Lt.	35.3	5.3	" "
+374.811	Lt.	30.4	4.6	" "
+412.725	Rt.	43.5	6.5	" "
+444.153	Rt.	29.3	4.4	" "
+462.299	Rt.	29.4	4.4	" "
+499.820	Lt.	72.2	10.8	" "
+517.382	Rt.	65.9	9.9	" "
+531.809	Rt.	39.5	5.9	" "
+546.009	Rt.	40.3	6.0	" "
+567.429	Lt.	65.0	9.8	" "
+574.200	Rt.	32.2	4.8	" "
+584.054	Lt.	51.9	7.8	" "
+587.293	Rt.	66.1	9.9	" "
+605.553	Lt.	59.2	8.9	" "
+609.746	Rt.	69.4	10.4	" "
+623.195	Lt.	58.8	8.8	" "
+667.754	Rt.	64.8	9.7	" "
+686.124	Lt.	80.4	12.1	" "
+697.478	Rt.	45.8	6.9	" "
+719.485	Rt.	45.0	6.8	" "
+722.705	Lt.	57.0	8.6	" "
+743.960	Rt.	8.0	1.2	" "
+747.385	Lt.	55.5	8.3	" "
+761.900	Rt.	5.4	0.8	" "
+764.620	Lt.	57.4	8.61	" "
+777.949	Rt.	51.7	7.8	" "
+783.760	Lt.	58.1	8.7	" "
+827.278	Rt.	56.4	8.5	" "
+847.449	Rt.	56.6	8.5	" "
+935.279	Lt.	47.1	7.1	" "
+948.094	Rt.	52.7	7.9	" "
+979.003	Rt.	50.7	7.6	" "
+990.832	Lt.	88.5	13.3	" "
1+037.010	Lt.	50.6	7.6	" "
1+039.216	Rt.	32.6	4.9	" "
1+049.891	Rt.	15.7	2.4	" "
1+061.394	Lt.	49.8	7.5	" "
1+066.59	Rt.	24.3	3.6	" "
1+076.836	Lt.	49.8	7.5	" "
1+089.360	Lt.	61.9	9.3	" "
1+115.644	Rt.	27.1	4.1	" "
1+118.570	Lt.	63.1	9.5	" "
1+139.939	Rt.	26.2	3.9	" "
1+147.766	Lt.	48.3	7.2	" "
1+147.978	Rt.	19.1	2.9	" "
1+170.897	Rt.	22.3	3.3	" "
1+177.706	Lt.	48.5	7.3	" "
1+215.082	Rt.	38.2	5.7	" "
1+230.631	Rt.	33.5	5.0	" "
1+245.860	Rt.	12.4	1.9	" "
1+260.674	Rt.	33.5	5.0	" "
1+262.418	Lt.	84.0	12.6	" "
1+276.072	Rt.	28.2	4.2	" "
1+314.526	Lt.	77.5	11.6	" "
1+343.858	Rt.	18.3	2.7	" "
1+352.905	Rt.	37.4	5.6	" "
1+370.200	Lt.	75.2	11.3	" "
1+403.277	Lt.	75.2	11.3	" "
1+429.219	Lt.	75.3	11.3	" "
1+443.922	Rt.	30.8	4.6	" "
1+496.323	Lt.	31.5	4.7	" "
1+532.924	Rt.	20.3	3.0	" "
1+557.925	Rt.	36.3	5.4	" "
+440.611	Rt.	14.1	2.1	CONC. DRIVE WEST SIDE OF SHERIDAN
+460.588	Rt.	48.9	7.3	CONC. DRIVE WEST SIDE OF SHERIDAN
+479.827	Rt.	6.6	10.0	CONC. DRIVE WEST SIDE OF SHERIDAN
+517.224	Lt.	39.0	5.9	CONC. DRIVE EAST SIDE OF SHERIDAN
+537.348	Lt.	40.0	6.0	CONC. DRIVE EAST SIDE OF SHERIDAN
+559.398	Lt.	16.1	2.4	CONC. DRIVE EAST SIDE OF SHERIDAN
TOTALS		3559.5	542.8	

EARTHWORK

Sta. to Sta.		ROADWAY	EXCAVATION COMMON cu m	EXCAVATION COMMON V.M.F.	EXCAVATION ROCK cu m	COMPACTION IN FILL (TYPE B) (MR-90) cu m	COMPACTION IN CUT (TYPE B) (MR-90) cu m	EXCAVATION WASTED COMMON cu m	EXCAVATION WASTED ROCK cu m	EMBANKMENT cu m	SELECT EMBANKMENT MATERIAL (YEH. MEAS.) cu m	REMARKS
0+118.628	1+639.158	CENTRAL	7152	0.8	5184	500		6472	5184		955	
0+430	0+581.318	SHERIDAN	214	0.8	211	22		187	211		47	
0+000	0+120.051	ZOO BLVD	342	0.8	0	0		342	0		75	
CUL-DE-SAC		MT. CARMEL	0	0.8	68	44		0	68			
TOTALS			7708		5463	566		7051	5463		1077	

200mm CRUSHED STONE SUBGRADE (BENEATH BITUMINOUS SURFACE)

STATION TO STATION		ROADWAY (LOCATION)	THICKNESS (mm)	AREA (m²)
0+118.628	0+150.000	Central	200	636.3
0+150.000	0+309.373	Central	200	3091.8
0+231.705 ℄ McComas+Hookup (N)		Central	200	185.5
0+297.080 ℄ Kessler (S)		Central	200	104.5
0+309.373	0+450.000	Central	200	2728.2
0+322.853 ℄ Kessler (N)		Central	200	169.9
0+394.952 ℄ Knight (S)		Central	200	152.0
0+425.413 ℄ W. Ridge (N)		Central	200	153.6
0+450.000	0+600.000	Central	200	2910.0
0+490.503 ℄ W. Ridge (S)		Central	200	154.2
0+600.000	0+750.000	Central	200	2910.0
0+750.000	0+899.938	Central	200	3293.1
0+899.938	1+050.000	Central	200	2813.2
0+911.654 ℄ Mt. Carmel (N)		Central	200	134.4
1+000.985 ℄ Custer (S)		Central	200	186.4
1+050.000	1+210.561	Central	200	3114.9
1+098.949 ℄ Clayton (S)		Central	200	170.8
1+196.661 ℄ St. Paul (N)		Central	200	166.0
1+196.912 ℄ St. Paul (S)		Central	200	130.9
1+210.561	1+350.000	Central	200	2705.1
1+294.880 ℄ Gordon (S)		Central	200	149.9
1+350.000	1+508.062	Central	200	3066.4
1+508.062 (Lt.)	1+616.024 (Lt.)	Central	200	1005.7
1+616.024 (PC)	1+639.158 (EOP)	Central	200	233.8
1+508.062 (Rt.)	1+616.024 (Rt.)	Central	200	1140.9
1+616.024 (PC)	1+639.158 (EOP)	Central	200	279.3
0+430.000	0+481.900	Sheridan	200	285.5
0+518.324	0+581.318 (℄)	Sheridan	200	1026.9
0+034.325	0+088.267	Zoo Blvd.	200	671.7
TOTALS				33770.9

180mm CRUSHED STONE SUBGRADE (BENEATH CONCRETE PAVEMENT)

STATION	ROADWAY (LOCATION)	THICKNESS (mm)	AREA (m²)
0+531.202 ℄ JoAnn (N)	Central	180	119.1
0+640.924 ℄ Gow (N)	Central	180	119.1
0+892.200 (RXR Approach Slab)	Central	180	102.5
0+900.300 (RXR Approach Slab)	Central	180	98.0
1+392.845 ℄ Edwards (S)	Central	180	140.6
1+495.875 ℄ Richmond (S)	Central	180	114.3
Cul-De-Sac - Mt. Carmel (S)	Mt. Carmel	180	198.1
TOTALS			891.7

GEOGRID REINFORCEMENT FOR BASE (BENEATH PAVEMENT)

AREA OF GEOGRID REINFORCEMENT EQUIVALENT TO AREA OF CRUSHED STONE SUBGRADE	AREA (m²)
GEOGRID BENEATH BIT PAVEMENT	33771
GEOGRID BENEATH CONC PAVEMENT	892
TOTALS	34663

MANHOLE ADJUSTMENTS

STATION	ROADWAY	SIDE	OFFSET	EACH	CAST IRON (kg)	ELEVATION FROM	ELEVATION TO	REMARKS
0+236.413	Central	Lt.	2.2	1	147.4 kg	398.500	398.567	Storm Water Sewer
0+295.869	"	Lt.	2.4	1	147.4 kg	398.511	398.585	Storm Water Sewer
0+322.857	"	Lt.	2.3	1	147.4 kg	–	398.577	Storm Water Sewer
0+389.910	"	Lt.	2.3	1	147.4 kg	398.579	398.662	Storm Water Sewer
0+430.925	"	Lt.	2.5	1	147.4 kg	–	398.787	Storm Water Sewer
0+497.463	"	Lt.	2.5	1	147.4 kg	–	398.748	Storm Water Sewer
0+649.566	"	Lt.	2.5	1	147.4 kg	–	398.161	Storm Water Sewer
0+705.459	"	Lt.	2.5	1	147.4 kg	–	398.412	Storm Water Sewer
0+802.024	"	Lt.	2.1	1	147.4 kg	–	398.879	Storm Water Sewer
0+804.095	"	Lt.	5.1	1	147.4 kg	398.584	398.826	Storm Water Sewer
0+910.812	"	Lt.	6.6	1	147.4 kg	399.152	399.391	Sanitary Sewer
0+949.113	"	Lt.	2.4	1	147.4 kg	–	399.130	Storm Water Sewer
1+004.847	"	Lt.	7.0	1	147.4 kg	398.368	398.554	Sanitary Sewer
1+049.084	"	Lt.	7.0	1	147.4 kg	398.165	398.334	Sanitary Sewer
1+090.928	"	Lt.	7.0	1	147.4 kg	398.021	398.230	Sanitary Sewer
1+097.928	"	Lt.	4.9	1	147.4 kg	398.121	398.250	Storm Water Sewer
1+101.504	"	Lt.	2.4	1	147.4 kg	–	398.301	Storm Water Sewer
1+175.732	"	Rt.	7.2	1	147.4 kg	397.900	397.969	Sanitary Sewer
1+191.368	"	Lt.	7.2	1	147.4 kg	397.826	397.963	Sanitary Sewer
1+208.236	"	Lt.	4.9	1	147.4 kg	397.856	397.970	Storm Water Sewer
1+270.044	"	Lt.	2.4	1	147.4 kg	–	397.834	Storm Water Sewer
1+294.858	"	Rt.	13.3	1	147.4 kg	397.670	398.675	Storm Water Sewer
1+381.076	"	Lt.	6.9	1	147.4 kg	397.405	398.572	Sanitary Sewer
1+396.368	"	Lt.	4.9	1	147.4 kg	397.460	397.554	Storm Water Sewer
1+421.814	"	Lt.	2.4	1	147.4 kg	397.423	397.489	Storm Water Sewer
1+441.520	"	Lt.	8.4	1	147.4 kg	395.577	397.214	Storm Water Sewer
1+566.334	"	Lt.	8.5	1	147.4 kg	396.964	396.717	Storm Water Sewer
1+574.826	"	Lt.	2.4	1	147.4 kg	–	396.983	Storm Water Sewer
0+555.390	Sheridan	Rt.	1.8	1	147.4 kg	–	398.990	Storm Water Sewer
TOTAL				29	4274.6 kg			

KDOT METRIC

PROJECT NUMBER	DESIGN	DRAWN	APPROVED	DATE	SCALE
472 - 82906	KWR	KWR	JFB	NOV 98	NONE

PROJ NUMBER 95 05 E026
DIRECTORY CENTZOO
SHEET NAME TABLESUM3

SUMMARY OF QUANTITIES
EARTHWORK, SUBGRADE, & GEOGRID
CENTRAL AVENUE - WEST ST TO MCLEAN

BAUGHMAN COMPANY P.A.
ENGINEERING, SURVEYING, & PLANNING
316-262-7271 • 315 ELLIS • WICHITA, KANSAS 67211

SHEET 116 OF 202