STATE	PROJECT NO.	YEAR	SHEET NO.	SHEETS
KANSAS	87 N-0351-01	2012	85	220

DRIVEWAY PAVEMENT

STATION	SIDE	CONC. DRIVEWAY 8" (SQ.FT.)	P (FT.)	L (FT.)	WIDTH (FT.)	A.C. PAVEMENT 6", DRIVEWAY (SQ.FT.)	DRIVEWAY ITEMS ON PRIVATE PROPERTY: CONC. DRIVEWAY 8" (SQ.FT.)	(AS-1)(2") ON (AB-3)(3") (SQ.FT.)	A.C. PAVEMENT 6", DRIVEWAY (SQ.FT.)	REMARKS
CENTRAL AVENUE										
66+15.46	Lt.	398.27	19.50	29.50	13.36			133.67		
67+71.18	Lt.	371.71	19.50	33.50	12.00			168.05		
68+29.23	Rt.	452.55	19.50	26.50	16.15		182.55			
70+18.86	Rt.	371.71	19.50	24.50	12.00			60.00		
76+32.18	Lt.	371.71	19.50		12.00					
78+99.07	Lt.	644.71	19.50	34.32	26.00		390.00			
81+11.04	Lt.	662.16	19.50		28.00			1483.12		
81+69.14	Lt.	558.89	19.50		24.00					
82+17.81	Lt.	700.50	19.50		30.00					
83+13.59	Lt.	722.71	19.50		30.00					
89+44.41	Lt.	543.28	19.50	29.50	20.80				207.98	
90+44.69	Lt.	552.20	19.50	29.50	21.26			212.56		
93+23.53	Rt.	877.11	19.50	29.50	25.06					
96+23.59	Lt.	603.95	19.50	29.50	23.89				240.09	
97+62.89	Lt.	976.01	19.50	31.52	24.29					
JENNIE										
11+56.91	Lt.	714.08	36.88		12.00					
135TH STREET WEST										
53+77.97	Lt.	929.01	35.08	35.08	20.00					
53+77.97	Rt.	953.06	39.02	39.02	20.00					
54+37.97	Rt.		34.74	34.71	20.00	866.86				
TOTAL		11,403.62				866.86	572.55	2,057.40	448.07	

P= Distance from Back-of-curb to Right-of-way line

L= Distance from Back-of-curb to Limit of Driveway Paving

EARTHWORK

STATION TO STATION	EXCAVATION: PAVEMENT REMOVAL (SQ.YD.)	SIDEWALK REMOVAL ≠ (SQ.YD.)	COMMON (CU. YD.)	COMMON VMF	COMPACTION: 95% COMPACTION (CU. YD.)	90% COMPACTION (CU. YD.)	SELECT SOIL (CU. YD.)	REMARKS
CENTRAL AVENUE								
40+69.14 to 58+26.16	2,377.36		2,126	0.8	41,434			
59+89.05 to 99+84.50	12,920.30	215.87	17,062	0.8	19,083			
135TH STREET WEST								
42+48.10 to 49+16.32	1,935.43	3.85	2,355	0.8	349			
50+55.50 to 52+45.77	513.76							
52+45.77 to 57+78.77	1,464.77		1,105	0.8	1,584			
Under 135th Bridge			3,099	0.8	233			
Under Central Bridge			2,450	0.8	1,365			
Upland Bench			3,770	0.8	287			
TOTAL	19,211.62	219.72	31,967		64,335		1,322	

≠ Items included in this column include Sidewalk Removal, Paved Driveway Removal, Bus Pad Removal and Parking Lot Removal

NOTE: Plan quantities for earthwork items are based on roadway cross-section cuts and fills and proposed and existing ground surface models under bridges and in the upland bench area north of Central and East of 135th Street. Cuts and fills are based on the difference between existing and proposed finish grades except in roadway areas where the proposed pavement and base courses have been accounted for. Plan quantities do not account for consolidation of fills, consolidation of existing ground below fills, and the use of special backfill materials below and behind proposed retaining walls.

CONCRETE PAVEMENT

STATION/LOCATION	SIDE	9" (REINF.) (SQ.YD.)	CONC. APPROACH 12", BRIDGE (SQ.YD.)	REMARKS
INTERSECTIONS:				
46+96.93 to 48+64.41	℄	1,553.64		Central
99+29.58 to 99+83.09	℄	389.67		Central
CENTRAL AVENUE				
57+73.83 to 58+26.16	℄		348.88	
59+89.05 to 60+41.38	℄		348.88	
135TH STREET WEST				
50+55.25 to 50+83.25	℄		220.99	
52+45.75 to 52+78.75	℄		240.17	
TOTAL		1,943.31	1,158.92	

BRICK PAVER CROSSWALK

STATION	SIDE	CONC. PAVING BRICK (SQ.FT.)	8"CONC. *BASE (SQ.FT.)	REMARKS
46+96.93 to 48+64.41	℄	3,095.87	3,095.87	Central & 135th St.
99+29.58 to 99+83.09	℄	665.51	665.51	Central & 119th St.
TOTAL		3,761.38	3,761.38	

*8" Concrete Base is subsidiary to "Brick Paver, Crosswalk".

MEDIAN PAVERS

LOCATION	QUANTITY (SQ.FT.)	REMARKS
CENTRAL AVENUE		
45+75.14 to 47+02.93	255.58	
48+58.41 to 49+90.18	263.55	
135TH STREET WEST		
48+26.42 to 49+22.32	191.81	
TOTAL	710.94	

MAILBOX REM. / REPL.

STATION	SIDE	REMARKS
CENTRAL AVE.		
66+33.67	Lt.	
78+78.14	Lt.	
80+84.55	Lt.	
82+43.74	Lt.	
89+60.20	Lt.	
90+27.60	Lt.	
JENNIE		
11+35.16	Lt.	
11+74.78	Rt.	
TOTAL	8	

SIDEWALK CONSTRUCTION

STATION TO STATION	SIDE	4" (SQ. FT.)	5" REINF. (SQ. FT.)	6" REINF. (SQ. FT.)	12" REINF. (SQ. FT.)	SIDEWALK THICKENING (L.F.)	W.C. RAMP (EACH)
135TH STREET WEST							
46+72.27 to 49+49.46	Lt.		2803.75				2
46+72.27 to 46+85.40	Rt.	78.80					1
47+45.73 to 49+45.73	Rt.	1289.69					3
50+56.85 to 50+83.25	Lt.		250.30			27.84	2
50+56.89 to 50+83.25	Rt.	157.07				27.90	
52+45.75 to 52+78.75	Lt.		329.90			33.00	
52+45.75 to 52+78.75	Rt.	198.16				33.00	
CENTRAL AVENUE							
45+37.44 to 46+94.03	Rt.				1092.63		
46+94+0. to 47+19.06	Rt.	163.74					
48+39.43 to 53+99.40	Rt.	3373.43					2
48+47.43 to 49+25.00	Lt.	466.96					
49+25.00 to 51+70.00	Lt.				1714.90		
51+70.00 to 53+31.21	Lt.	967.28					
53+31.21 to 55+37.77	Lt.				1445.84		
53+99.40 to 57+54.40	Rt.				2484.99		
55+37.77 to 56+20.26	Lt.	494.74					
56+20.26 to 57+66.42	Lt.				1031.76		
57+54.40 to 58+44.10	Rt.	555.96				15.63	
57+66.42 to 58+08.22	Lt.	241.19				24.48	
59+71.11 to 66+08.78	Lt.	3846.87				15.60	
60+06.99 to 60+49.11	Rt.	245.71				14.43	
60+49.11 to 62+76.95	Rt.				1599.98		
62+76.95 to 64+05.74	Rt.	773.45					1
64+57.44 to 68+21.16	Rt.	2182.30					1
66+22.14 to 67+65.18	Lt.	858.22					
67+77.18 to 76+26.18	Lt.	5091.95					
68+37.30 to 70+12.86	Rt.	1053.37					
70+24.86 to 73+42.94	Rt.	1908.49					1
73+92.19 to 84+04.04	Rt.	6076.12					2
76+38.18 to 78+86.07	Lt.			1487.34			
79+12.07 to 80+97.04	Lt.	1109.78					
81+25.05 to 81+57.36	Lt.			193.97			
81+81.36 to 82+02.81	Lt.	128.70					
82+32.81 to 82+98.59	Lt.			394.67			
83+28.59 to 84+86.39	Lt.	946.80					1
84+78.66 to 88+64.19	Rt.	2314.68					2
85+36.21 to 89+34.01	Lt.	2473.46					1
89+35.87 to 93+10.99	Rt.	2250.72					1
89+54.81 to 90+34.06	Lt.	475.49					
90+55.31 to 92+97.94	Lt.	1560.87					1
93+36.06 to 99+65.04	Rt.	4172.24					2
93+73.83 to 96+11.65	Lt.	1530.90					1
96+35.54 to 97+50.74	Lt.	690.78					
97+75.03 to 99+72.80	Lt.	1268.57					2
100+25.00	Lt./Rt.						2
TOTAL		48,946.49	3,383.95	2,075.98	9,370.10	191.88	28

REINFORCED CONCRETE VALLEY GUTTER

STATION	SIDE	RCVG PAVEMENT (8") (SQ.YD.)	ASPHALT HOOK-UP (SQ.YD.)	AGGREGATE HOOK-UP (SQ.YD.)	REMARKS
CENTRAL AVE. SIDEROADS:					
64+31.59	Rt.	171.53			Jennie
73+67.59	Rt.	162.69		64.36	Wheatland
84+41.35	Rt.	246.36			Bay Country
85+11.30	Lt.	163.50	30.52		Bay Country
89+00.03	Rt.	232.21			Cedar Downs
93+35.88	Rt.	246.98	66.13		Cedar Park
135TH SIDEROADS:					
47+15.55	Lt.	155.47	58.99		Jennie
TOTAL		1378.74	155.64	64.36	

MODULAR BLOCK RETAINING WALL

LOCATION	SIDE	UNIT (S.Y. FACE)	REMARKS
84+41.35	Rt.	25.5	Bay Country
TOTAL		25.5	

CONCRETE CURB AND GUTTER

STATION TO STATION	SIDE	TYPE 1 (L.F.)	TYPE 2 (L.F.)	TYPE 3 (L.F.)	TYPE 4 (L.F.)
CENTRAL AVENUE					
45+69.14 to 47+46.93	Rt.	206.62			
45+69.14 to 47+39.64	Lt.	178.61			
45+69.14 to 47+08.93	Rt.			139.79	
45+69.14 to 47+08.93	Lt.			139.79	
48+12.86 to 57+73.83	Rt.	988.95			
48+22.29 to 57+73.83	Lt.	959.57			
48+52.41 to 57+73.83	Rt.			921.46	
48+52.41 to 57+73.83	Lt.			922.42	
60+41.43 to 63+86.09	Rt.	344.66			
60+41.43 to 84+66.74	Lt.	2424.93			
60+41.43 to 63+78.09	Lt.			336.71	
60+41.43 to 63+78.09	Rt.			336.71	
64+77.09 to 72+23.29	Rt.	846.20			
70+78.86 to 72+03.59	Lt.			124.73	
70+78.86 to 72+03.59	Rt.			124.73	
74+11.14 to 83+84.98	Rt.	973.85			
76+92.18 to 78+39.07	Lt.			146.89	
76+92.18 to 78+39.07	Rt.			146.89	
79+59.07 to 80+51.04	Lt.			91.96	
79+59.07 to 80+51.04	Rt.			91.96	
84+97.71 to 88+44.54	Rt.	346.83			
85+55.86 to 92+78.8	Lt.	722.42			
85+65.27 to 88+53.67	Lt.			288.40	
85+65.27 to 88+53.67	Rt.			288.40	
89+55.52 to 99+28.30	Rt.	972.77			
93+93.48 to 99+30.01	Lt.	536.52			
99+28.30 to 99+78.28	Rt.	79.79			
99+30.01 to 99+82.80	Lt.	79.21			
SIDE ROADS - 135TH STREET WEST					
46+72.27 to 49+16.31	Lt.	244.04			
46+72.27 to 49+28.32	Lt.			256.05	
46+72.27 to 49+28.32	Rt.			257.19	
47+58.83 to 49+17.76	Rt.	158.93			
SIDE ROADS - BAY COUNTRY					
84+14.98 to 84+14.96	Rt.	10.05			
84+41.35	℄				28.85
84+67.71 to 84+67.52	Rt.	10.00			
SIDE ROADS - CEDAR DOWNS CIRCLE					
88+74.54 to 88+74.44	Rt.		17.13		
89+00.03	℄				64.42
89+25.52 to 89+25.71	Rt.		26.50		
SIDE ROADS - CEDAR PARK					
93+08.28 to 93+08.28	Lt.	16.00			
93+35.88	℄				22.22
93+63.48 to 96+63.49	Lt.	16.00			
TOTAL		10,115.95	43.63	4,320.30	86.64

A.C. PAVEMENT

LOCATION / STATION TO STATION	A.C. Pvmt. 7" (5" bit base) (SQ.YD.)	A.C. Pvmt. 5" (3" bit base) (SQ.YD.)	REMARKS
CENTRAL AVENUE			
40+69.14 to 46+96.93	3171.83		
48+64.41 to 57+73.20	4666.51		
60+41.43 to 99+29.58	22875.63		
82+02.82 to 83+28.59	237.36		
84+41.35		41.37	Bay Country
89+00.03		108.53	Cedar Downs Circle
135TH STREET WEST			
42+82.10 to 49+16.31	3258.58		
52+78.75 to 57+78.77	2381.32		
JENNIE			
10+60.50 to 12+52.50	640.00		
TOTAL	37,231.23	149.9	

MKEC ENGINEERING CONSULTANTS, INC.
411 N. WEBB ROAD
WICHITA, KS. 67206
316 - 684 - 9600

CENTRAL AVENUE IMPROVEMENTS FROM 135TH ST. W. TO 119TH ST. W.

SUMMARY OF QUANTITIES
SHEET TITLE

472-84017
PROJECT NUMBER

JRA
DESIGN BY

JWC
DRAWN BY

JRA
CHECKED BY

ISSUED
November 9, 2012

REVISED

SHEET NO.
85 of 220

PLOTTED: Wednesday, November 14, 2012 @ 02:41PM

J:\Civil\04238\dwg\QTY\04238_QTY2.dwg