

FHWA REGION NO.	STATE	PROJECT NUMBER	FISCAL YEAR	SHEET NUMBER	TOTAL SHEETS
7	KANSAS	87 N-0493-01	2012	52	59

HSPJ Proj. No. N049 (301)

SIDEWALK CONSTRUCTION (4 IN)				
STATION TO STATION	ROADWAY	SIDE	WIDTH (FT.)	4 INCH (SQ. FT.)
46+57.78 to 46+88.76	BROADWAY	Rt.	5-10	293
46+85.66 to 47+45.81	BROADWAY	Lt.	5-10	590
47+31.91 to 48+29.24	BROADWAY	Rt.	7	690
47+87.97 to 48+06.47	BROADWAY	Lt.	7	138
48+36.48 to 49+03.69	BROADWAY	Lt.	7	862
48+69.24 to 48+80.41	BROADWAY	Rt.	7	78
49+20.41 to 49+72.33	BROADWAY	Rt.	7	367
49+39.69 to 49+76.36	BROADWAY	Lt.	7	382
50+73.76 to 50+78.68	BROADWAY	Lt.	5	30
50+80.69 to 51+40.46	BROADWAY	Rt.	7	682
51+76.46 to 52+09.68	BROADWAY	Rt.	7	233
51+93.04 to 52+04.39	BROADWAY	Lt.	5	50
52+45.61 to 52+56.94	BROADWAY	Rt.	7	79
52+69.03 to 53+07.96	BROADWAY	Lt.	5	191
52+92.87 to 53+17.93	BROADWAY	Rt.	7	181
53+34.46 to 53+55.04	BROADWAY	Lt.	5	98
53+54.36 to 53+59.36	BROADWAY	Rt.	5	25
1+65.24 to 1+69.78	HARRY	Lt.	5	19
1+69.83 to 2+19.72	HARRY	Lt.	5	249
1+77.63 to 3+03.77	HARRY	Rt.	7	851
2+70.66 to 4+62.39	HARRY	Lt.	5	1059
3+71.77 to 3+85.74	HARRY	Rt.	7	98
5+38.61 to 6+89.28	HARRY	Lt.	7	1098
5+99.76 to 6+74.24	HARRY	Rt.	7	521
7+07.73 to 8+51.45	HARRY	Rt.	7	964
7+21.27 to 7+52.55	HARRY	Lt.	7	220
7+88.44 to 8+56.93	HARRY	Lt.	7	479
TOTALS				10527

DRIVEWAY CONCRETE PAVEMENT (8"-REINFORCED)(AE)				
STATION	ROADWAY	SIDE	WIDTH	8" CONC. PVMT. (SQ. YDS)
STA 47+09.67	BROADWAY	RT	37.0'	31
STA 47+66.89	BROADWAY	LT	20.0'	42
STA 48+21.48	BROADWAY	LT	18.0'	25
STA 48+49.24	BROADWAY	RT	24.0'	31
STA 49+00.41	BROADWAY	RT	24.0'	31
STA 49+22.80	BROADWAY	LT	24.0'	28
STA 51+58.46	BROADWAY	RT	24.0'	28
STA 52+27.86	BROADWAY	RT	24.0'	28
STA 52+36.90	BROADWAY	LT	37.0'	102
STA 52+75.12	BROADWAY	RT	24'	28
STA 53+21.22	BROADWAY	LT	26'	44
STA 53+35.93	BROADWAY	RT	24'	36
STA 2+44.78	HARRY	LT	37'	110
STA 3+19.76	HARRY	RT	20'	27
STA 3+53.77	HARRY	RT	24'	30
STA 4+03.74	HARRY	RT	24'	30
STA 5+84.66	HARRY	RT	24'	26
STA 6+90.98	HARRY	RT	17.50'	26
STA 7+05.30	HARRY	LT	20'	25
STA 7+70.77	HARRY	LT	24'	28
TOTALS				756

AC PAVEMENT 6" (4" BIT BASE) (Parking Lot)				
STATION	ROADWAY	SIDE	AC Pavement (6" w/ 4" Base) (SQ. YDS)	REMARKS
47+67	BROADWAY	LT	19	
48+25	BROADWAY	LT	15	
49+23	BROADWAY	LT	112	
48+49	BROADWAY	RT	246	
51+58	BROADWAY	RT	168	
53+21	BROADWAY	LT	28	
2+45	HARRY	LT	46	
6+36	HARRY	RT	17	
7+75	HARRY	RT	30	
7+76	HARRY	LT	72	
TOTALS			753	

COMBINED CURB & GUTTER (TYPE 1)(AE)				
STA. TO STA.	ROADWAY	SIDE	TYPE 1 (LIN. FEET)	REMARKS
46+85.66 to 48+25	BROADWAY	LT.	140	
46+57.78 to 48+25	BROADWAY	RT.	168	
51+81.61 to 53+55.02	BROADWAY	RT.	174	
51+81.61 to 52+03.65	BROADWAY	LT.	22	
52+69.77 to 52+98.25	BROADWAY	LT.	29	
53+43.80 to 53+55.02	BROADWAY	LT.	21	Includes 10 lf on adjacent property
1+65.62 to 2+08.31	HARRY	LT.	43	
1+65.62 to 3+25	HARRY	RT.	159	
2+78.72 to 3+25	HARRY	LT.	47	
6+80 to 8+51.45	HARRY	LT.	172	
6+80 to 8+51.45	HARRY	RT.	172	
TOTALS			1147	

COMBINED CURB & GUTTER (6")(MONOLITHIC)				
STA. TO STA.	ROADWAY	SIDE	Monolithic (LIN. FEET)	REMARKS
49+43.09 to 49+78.09	BROADWAY	RT.	55	SE Curb Return
49+41.91 to 49+76.41	BROADWAY	LT.	55	SW Curb Return
50+37.40 to 50+76.90	BROADWAY	LT.	62	NW Curb Return
50+38.59 to 50+78.09	BROADWAY	RT.	63	NE Curb Return
48+25.00 to 49+41.91	BROADWAY	LT.	117	
48+25.00 to 49+43.09	BROADWAY	RT.	118	
50+77.11 to 51+81.61	BROADWAY	LT.	105	
50+77.11 to 51+81.61	BROADWAY	RT.	104	
52+03.65 to 52+69.77	BROADWAY	LT.	54	Driveway Curb
52+98.25 to 53+43.80	BROADWAY	LT.	32	Driveway Curb
2+08.31 to 2+78.77	HARRY	LT.	59	
3+25 to 4+38.27	HARRY	LT.	113	Driveway Curb
3+25 to 4+41.90	HARRY	RT.	117	
5+72.21 to 6+80	HARRY	LT.	108	
5+78.09 to 6+80	HARRY	RT.	102	
TOTALS			1264	

CONCRETE PAVEMENT (9"-REINFORCED)(AE)				
STATION TO STATION	ROADWAY	SIDE	CONC. PVMT. (9 INCH UNIF.) (SQ. YDS)	REMARKS
INTERSECTION	BOTH	-	1582	
48+25.00 to 49+41.91	BROADWAY	-	791	
50+77.11 to 51+81.61	BROADWAY	-	708	
3+25.00 to 4+38.27	HARRY	-	764	
5+78.09 to 6+80.00	HARRY	-	690	
TOTALS			4535	

BRICK PAVERS (Crosswalk)			
STATION TO STATION	ROADWAY	SIDE	Brick Pavers (Crosswalk) (SQ. YDS)
49+51 to 49+61	BROADWAY	-	73
50+51 to 50+61	BROADWAY	-	78
4+50 to 4+60	HARRY	-	74
5+52 to 5+62	HARRY	-	76
TOTALS			301

AC PAVEMENT 7" (5" BIT BASE)			
STATION TO STATION	ROADWAY	AC Pavement (7" w/ 5" Base) (SQ. YDS)	REMARKS
46+57.78 to 48+25.00	BROADWAY	846	
51+81.61 to 53+55.04	BROADWAY	950	
1+65.70 to 3+25.00	HARRY	875	
6+80.00 to 8+51.45	HARRY	944	
TOTALS		3615	

WHEELCHAIR RAMPS w/ DETECTABLE WARNINGS (TYPE A)			
LOCATION	ROADWAY	SIDE	EACH
STA 49+46.57	BROADWAY	LT	1
STA 49+57.81	BROADWAY	RT	1
STA 50+56.44	BROADWAY	LT	1
STA 50+57.85	BROADWAY	RT	1
STA 1+67.39	HARRY	LT	1
STA 4+55.36	HARRY	LT	1
STA 4+56.13	HARRY	RT	1
STA 5+57.26	HARRY	RT	1
STA 5+57.89	HARRY	LT	1
TOTALS			9

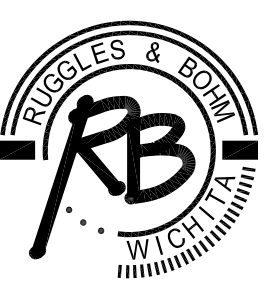
WHEELCHAIR RAMPS w/o DETECTABLE WARNINGS			
LOCATION	ROADWAY	SIDE	EACH
STA 52+13.28	BROADWAY	LT	1
STA 52+60.67	BROADWAY	LT	1
STA 2+25.49	HARRY	LT	1
STA 2+64.21	HARRY	LT	1
TOTALS			4

REINF. CRUSHED ROCK BASE (8")			
STATION TO STATION	ROADWAY	Reinf. Crushed Rock Base (8") (SQ. YDS)	REMARKS
46+57.78 to 48+25.00	BROADWAY	966	
51+81.61 to 53+55.04	BROADWAY	1085	
1+65.70 to 3+25.00	HARRY	999	
6+80.00 to 8+51.45	HARRY	1078	
TOTALS		4128	

REINF. CRUSHED ROCK BASE (6")			
STATION TO STATION	ROADWAY	Reinf. Crushed Rock Base (6") (SQ. YDS)	REMARKS
INTERSECTION	BOTH	1608	
48+25.00 to 49+41.91	BROADWAY	817	
50+77.11 to 51+81.61	BROADWAY	732	
3+25.00 to 4+38.27	HARRY	789	
5+78.09 to 6+80.00	HARRY	713	
TOTALS		4659	

MH ADJUSTED w/NEW RING & COVER					
STATION	ROADWAY	OFFSET	EX. ELEV.	NEW ELEV.	REMARKS
2+91	HARRY	22' RT	1293.11	1292.86	STANDARD
3+20	HARRY	33' LT	1293.22	1292.26	STANDARD
3+30	HARRY	16' LT	1292.68		SSMH (RECON)
3+32	HARRY	5' RT	1292.76	1292.92	STANDARD
6+17	HARRY	20' LT	1291.67	1291.84	STANDARD
7+09	HARRY	21' RT	1291.03	1291.50	STANDARD
7+14	HARRY	21' LT	1290.77	1290.84	STANDARD

RECAPITULATION OF QUANTITIES		
ITEM	QUANTITY	UNIT
Site Clearing & Restoration	1	LS
Mobilization	1	LS
Mobilization (DBE)	1	LS
Field Office & Laboratory (Type A)	1	LS
Excavation	1,000	cu yd
Pavement Removal	7,103	sq yd
Concrete Drive, Sidewalk and AC Parking Lot Pavement Removal	3,290	sq yd
Compacted Fill (95% Density)	250	cu yd
AC Pavement 7" (5" Bit. Bse) (BM-2)	3,615	sq yd
Reinforced Crushed Rock Base (8")	4,128	sq yd
Reinforced Crushed Rock Base (6")	4,659	sq yd
Concrete Pavement (9") (AE) (Reinforced)	4,535	sq yd
Paving Brick (3 1/8" Holland Pavers) (Charcoal Red)	301	sq yd
Wheelchair Ramps w/ detectable warnings (30 sf)	9	each
Wheelchair Ramps w/o detectable warnings (30 sf)	4	each
Curb & Gutter (Combined) (AE) (Type I)	1,147	l.f.
Curb & Gutter (Combined) (6") (Monolithic)	1,264	l.f.
Protection Curb	138	l.f.
Inlet (Type I) (L=5' W=3')	4	each
MH Type P (5' Diameter)	2	each
Inlet Hookup	4	each
Pipe, RCP 15"	190	l.f.
Sand Fill, Flush & Vibrate for Storm Sewer	190	l.f.
Sanitary or SWS Manhole Adjustment (Non Participating)	4	each
Reconstruct Manhole	1	each
Traffic Manhole Adjustment	2	each
Transportation of Salvaged Materials (Non Participating)	1	LS
Pavement Marking	1	LS
Street Signage	1	LS
Traffic Control	1	LS
Traffic Signalization - Harry & Broadway	1	LS
Temporary Traffic Signal - Harry & Broadway	1	LS
Allee Lacebark Elm	1	each
Chanticlear Pear	10	each
Musashino Zelkova	6	each
Sodding	1	LS
Driveway Concrete Pavement (8") (Reinforced)(AE)	756	sq yd
AC Pavement 6" (3" Bit. Bse) (BM-2)	753	sq yd
Sidewalk Concrete (4")	10,527	sq ft
Trees, Large Removed	1	each
Trees, Small Removed	3	each
Erosion Control, Curb Inlet Protection	4	each
BMP, Back of Curb Protection	575	l.f.
Portable Changeable Electronic Message Sign	120	day
Water Meter Box Adjustment	1	each
Water Valve Adjustment	1	each
Water Meter Box Relocate	1	each
Water Pipe (8")	1,041	l.f.
Water Pipe (8") (D/C/L)(R/J)	20	l.f.
Sand Fill, Flush & Vibrate for Waterline	745	l.f.
Service Line, Long 1"	6	each
Service Line, Short, 1"	8	each
Fire Hydrant Removal	1	each
Fire Hydrant Assembly	1	each
Temporary Asphalt Pavement (6")	355	sq yd
Manhole Type P (6' Diameter, Lined)	1	each
Seal existing tap in main	1	each

HARRY AND BROADWAY IMPROVEMENTS SUMMARY OF QUANTITIES WICHITA, KANSAS			
	Ruggles & Bohm, P.A. Engineering, Surveying, Land Planning		DESIGN KWL
	924 North Main Wichita, Kansas 67203 www.rbkansas.com		DRAWN RA/MP/KWL
(316) 264-8008 (316) 264-4621 fax E-mail: info@rbkansas.com		REVIEW	SHEET 52
DRAWING FILE		PROJECT NUMBER	DATE May 23, 2012
			OF 59