

ADJUSTMENT OF MANHOLES						
ROADWAY	STATION	OFFSET (FT.)	SIDE	FROM ELEVATION	TO ELEVATION	QUANTITY (EACH)
Greenwich Rd.	113+80	65	Rt.	1370.32	1368.84	1
Greenwich Rd.	114+33	65	Rt.	1370.17	1368.99	1
Greenwich Rd.	117+74	22	Lt.	1370.27	1370.30	1
Greenwich Rd.	121+87	21	Lt.	1368.61	1368.66	1
Greenwich Rd.	130+72	66	Lt.	1373.78	1373.69	1
Greenwich Rd.	131+38	15	Lt.	1375.18	1374.63	1
<b>Total</b>						<b>6</b>

MANHOLE SUMMARY (EACH)			
SWS LINE NO.	REINF. CONC. MANHOLE		
	LENGTH	WIDTH	QUANTITY
600	5'-3"	7'-3"	1
<b>Total</b>			<b>1</b>

STEEL PLATE GUARDRAIL						
LOCATION	STATION TO STATION	SIDE	LENGTH (L.F.)	TERMINAL TYPE		
				MGS-SRT or MGS-FLEAT (FLARED)	MGS-TYPE II	
K-96	461+42.91	462+55.41	Lt.	112.50	/	/
K-96	461+43.84	462+56.05	Rt.	112.50	/	/
K-96	464+42.03	466+54.43	Lt.	212.50	/	/
K-96	464+42.74	465+05.24	Rt.	62.50	/	/
K-96	481+87.91	482+60.33	Lt.	75.00	/	/
<b>Total</b>				<b>575.00</b>	<b>3</b>	<b>3</b>

INLET SUMMARY (EACH)				
SWS LINE NO.	CURB INLET (TYPE I)			UNDERDRAIN 4" PVC (L.F.)
	5' x 3'	10' x 3'	10' x 4'	
100	/	/	/	11
150	/	/	/	11
200	/	/	/	11
250	/	/	/	11
300	/	/	/	11
350	/	/	/	11
400	/	/	/	11
450	2	/	/	22
550	/	/	/	11
650	/	/	/	11
700	/	/	/	22
750	/	/	/	22
800	/	/	/	11
850	/	/	/	11
<b>Totals</b>	<b>4</b>	<b>12</b>	<b>1</b>	<b>187</b>

STORM SEWER CONDUIT DATA SUMMARY (LINEAL FOOT)				
SWS SYSTEM NO.	RCP			
	15"	18"	24"	
100		4.4		
150		13.2		
200	15.1	13.8		
250		13.3		
300		13.2		
350		24.8		
400	64.5			
450	147.4			
500			46.0	
550			88.6	
650	66.8			
700	30.0	13.2		
750	30.0	5.5		
800		11.9		
850		12.9		
<b>Totals</b>	<b>353.8</b>	<b>126.2</b>	<b>134.6</b>	

REMOVAL OF STEEL PLATE GUARDRAIL				
LOCATION	STATION TO STATION	SIDE	LENGTH (L.F.)	
K-96	460+74.00	462+58.00	Rt.	183.50
K-96	464+41.00	468+49.00	Lt.	408.00
<b>Total</b>			<b>591.50</b>	

REMOVAL AND RECONSTRUCTION OF STEEL PLATE GUARDRAIL				
LOCATION	STATION TO STATION	SIDE	LENGTH (L.F.)	
K-96	462+05.00	462+55.00	Lt.	50.00
<b>Total</b>			<b>50.00</b>	

END SECTION SUMMARY (EACH)		
SWS LINE NO.	15" RC	24" RC
400	/	
450	/	
500		/
650	/	
<b>Totals</b>	<b>3</b>	<b>1</b>


6" AC TEMP PVMT (PATCHING)					
LOCATION	STATION TO STATION	SIDE	(S.Y.)	REMARKS	
Greenwich Rd.	115+28	118+53	€	371.90	Stage 1
Greenwich Rd.	119+16	120+27	€	59.00	Stage 1
Greenwich Rd.	130+48	130+75	€	22.75	Stage 2C
<b>Total</b>				<b>453.65</b>	

PIPE CULVERT SUMMARY																
ROADWAY	STATION	SIDE	TYPE	MATERIAL	SIZE	CROWN GRADE ELEVATION	FLOW LINE		HORIZ. ROADWAY		DEGREE OF ROTATION	PIPE LENGTH		LINEAR FT. OF PIPE	END SECTIONS	
							LT.	RT.	LT.	RT.		LT.	RT.		LT.	RT.
K-96	460+10	€	CRP Ext. Lt. & Rt.	RCP	48"	1391.15	1365.19	1361.92	178.26'	189.48'	0	50.00	50.00	100	1	1
K-96	470+50	Rt.	CRP Ext. Rt.	CMP	15"	1387.86	1369.01	1369.01	133.59'	133.59'	0	22.00	22.00	22	1	1
K-96	477+00	Rt.	CRP Ext. Rt.	CMP	15"	1379.83	1372.29	1372.29	87.89'	87.89'	0	9.00	9.00	9	1	1
K-96	480+58	Rt.	CRP Ext. Rt.	CMP	15"	1378.51	1372.61	1372.61	79.70'	79.70'	0	8.00	8.00	8	1	1
Ramp NS-E	456+95	€	CRP	RCP	24"	1377.01	1362.09	1361.84	84.50'	71.50'	0	84.50	71.50	156	1	1
Ramp E-NS	454+45	€	CRP	RCPHE	2-6.0 sf (42"x27")	1374.28	1366.88	1367.63	35.46'	102.08'	26° Lt.	40.38	109.62	300	2	1
Ramp E-NS	458+59	€	CRP	RCP	24"	1384.36	1365.35	1366.90	92.17'	92.95'	21° Rt.	104.50	97.50	202	1	1
<b>Totals</b>													<b>797</b>	<b>5</b>	<b>6</b>	

WOVEN WIRE FENCE (TYPE B)							
LOCATION	STATION TO STATION	SIDE	QUANTITY (L.F.)	POSTS (EA.)			
				CORNER	END	PULL	
K-96	464+42.79	466+30.07	Lt.	306	3	2	1
K-96	464+43.43	480+50.00	Rt.	1619	7	2	5
K-96	466+58.61	477+37.58	Lt.	1168	5	2	4
<b>Total</b>				<b>3093</b>	<b>15</b>	<b>6</b>	<b>10</b>

SUMMARY OF EARTHWORK QUANTITIES												
STAGE	LOCATION	STATION TO STATION	EXCAVATION (C.Y.)	BORROW EXCAVATION (CONTRACTOR FURNISHED) (C.Y.)	FILL (C.Y.)	FILL (BEHIND CURBS) (C.Y.)	COMPACTION TYPE A (MR-0-5) (C.Y.)	COMPACTION TYPE AA (MR-0-5) (C.Y.)	COMPACTION THRU CUTS (C.Y.)		WASTE (C.Y.)	
									KDOT TYPE AA (MR-0-5) (C.Y.)	COW		
1	Greenwich Rd.	115+27.61	120+27.00	105							105	
2	K-96 W. Bd.	456+48.85	484+93.50	5209	20166			20139	161	901		
2	K-96 E. Bd.	459+80.34	481+59.77	5479	10390			12620	35	803		
2	Ramp W-NS	454+96.09	463+54.34	1335	1644			2309	58	746		
2	Ramp NS-E	452+10.34	459+84.10	683	30891			23812	1447	43		
2	Ramp E-NS	452+48.49	459+84.43	954	19517			15175	1202	143		
2	Ramp NS-W	453+50.00	463+10.65	1210	1621			2173	73	516		
2	Greenwich Rd.	103+17.36	133+47.17	4845		192	99				1524	4481
2	26th Street	46+61.00	49+72.00	327		0	20				167	302
2	Greenwich Village	50+92.50	53+26.06	209		3	6				95	198
2	Multi-Use Path	463+98.00	480+05.16							333		
3	Greenwich Rd.	117+67.28	140+89.10	3256		183	77				1182	2931
4	Greenwich Rd.	103+17.36	117+67.28	524	119	440	74				333	
<b>Totals</b>				<b>24136</b>	<b>84348</b>	<b>818</b>	<b>351</b>	<b>76228</b>	<b>2976</b>	<b>3485</b>	<b>3301</b>	<b>8017</b>

Note: Fill, Backfill Behind Curbs, and Compaction Thru Cuts (COW) are all paid for as "Compacted Fill (95%)". Total Amount = 4,470 CY.  
 Note: The bid item for "Excavation" includes Excavation and Compaction Thru Cuts (KDOT). Total Amount = 27,621 CY.  
 \* Quantity computed for construction of Multi-Use Path.

No.	Revision	By	Date
K-96 AND GREENWICH ROAD			
<b>SUMMARY OF QUANTITIES</b>			
GARY JANZEN, P.E.-CITY ENGINEER CITY OF WICHITA PROJECT NO. 472-85066			
 PROFESSIONAL ENGINEERING CONSULTANTS, P.A. 303 SOUTH TOPEKA WICHITA, KS 67202 316-262-2691 www.pec1.com			
Designed by	JPS	Job No.	09521
Drawn by	SVB	Date	Jan., 2014
			Sht. 135 of 388