

STATE	PROJECT NO.	YEAR	SHEET NO.	TOTAL SHEETS
KANSAS	472-84071	2005	R3.3	

BASELINE GEOMETRY

CURVE NUMBER	STATION	NORTHING	EASTING	TANGENT BEARING	DELTA	LENGTH (FT.)	TANGENT (FT.)	RADIUS (FT.)	DEGREE OF CURVE	LS	TS	S.E.	DESIGN SPEED (MPH)	
24	New UPRR Main													
	P.S. -0+02.637	1,695,006.688	1,650,854.990	N1°04'08.7"W										
	P.L. 0+58.420	1,695,067.734	1,650,853.851			58.420								
	P.L. 0+58.420	1,695,067.734	1,650,853.851	N1°47'49.2"E										
	T.S. 3+83.480	1,695,392.634	1,650,864.045			325.060								
	T.S. 3+83.480	1,695,392.634	1,650,864.045	N1°47'49.2"E										
	S.C. 4+23.480	1,695,432.617	1,650,865.202											
	P.L. 8+44.864	1,695,853.792	1,650,878.513											
	C.S. 12+58.732	1,696,257.927	1,650,759.182											
	S.T. 12+98.732	1,696,296.319	1,650,747.957	N16°26'14.5"W	181°4'03.7" LT.	835.252	420.889	2,750.349	2°05'00.0"	40.000	461.384	¾"	35	
25	S.T. 12+98.732	1,696,296.319	1,650,747.957	N16°26'14.5"W										
	T.S. 18+15.591	1,696,792.054	1,650,601.702											
	T.S. 18+15.591	1,696,792.054	1,650,601.702	N16°26'14.5"W										
	T.S. 18+15.591	1,696,792.054	1,650,601.702											
	S.C. 19+25.591	1,696,897.941	1,650,571.931											
	P.L. 24+93.294	1,697,442.060	1,650,409.935											
	C.S. 29+89.947	1,697,930.327	1,650,699.944											
	S.T. 30+99.947	1,698,025.772	1,650,754.282											
	S.T. 30+99.947	1,698,025.772	1,650,754.282	N30°32'09.5"E	46°58'24.0" RT.	1,064.572	558.210	1,432.685	4°00'00.0"	110.000	677.703	2 1/2"	35	
	T.S. 36+33.263	1,698,485.124	1,651,025.229											
26	T.S. 36+33.263	1,698,485.124	1,651,025.229	N30°32'09.5"E										
	S.C. 37+43.263	1,698,580.626	1,651,079.795											
	P.L. 39+78.586	1,698,782.554	1,651,200.680											
	C.S. 42+04.580	1,699,016.853	1,651,222.865											
	S.T. 43+14.580	1,699,126.121	1,651,235.458											
	S.T. 43+14.580	1,699,126.121	1,651,235.458	N5°46'48.3"E	24°45'21.2" LT.	461.316	233.082	1,322.525	4°20'00.0"	110.000	345.323	2 1/2"	35	
	S.T. 43+14.580	1,699,126.121	1,651,235.458	N5°46'48.3"E										
	P.O.E. 44+31.543	1,699,242.490	1,651,247.238											
	27	WTA 1												
		P.S. 0+00.000	1,696,422.223	1,650,710.812	S16°28'14.7"E									
P.L. 0+33.250		1,696,392.250	1,650,719.655											
P.L. 0+33.250		1,696,392.250	1,650,719.655	S21°38'24.5"E										
P.C. 3+18.854		1,696,124.917	1,650,825.716											
P.C. 3+18.854		1,696,124.917	1,650,825.716	S21°38'24.5"E										
P.L. 3+94.192		1,696,054.889	1,650,853.499											
P.T. 4+68.679		1,695,980.313	1,650,864.187											
P.T. 4+68.679		1,695,980.313	1,650,864.187	S8°09'21.0"E	13°29'03.4" RT.	149.825	75.338	637.275	9°00'00.0"				10	
P.O.E. 5+10.551		1,695,938.864	1,650,870.121											
28	WTA 2													
	P.O.B. 0+00.000	1,696,158.195	1,650,812.513	N21°38'25.1"W										
	P.L. 0+31.250	1,696,187.243	1,650,800.989											
	P.L. 0+31.250	1,696,187.243	1,650,800.989	N16°26'14.5"W										
	P.C. 3+83.372	1,696,524.973	1,650,701.350											
	P.C. 3+83.372	1,696,524.973	1,650,701.350	N16°26'14.5"W										
	P.L. 7+79.984	1,696,905.375	1,650,589.122											
	P.T. 11+71.546	1,697,301.960	1,650,584.458											
	P.T. 11+71.546	1,697,301.960	1,650,584.458	N15°45'48.5" RT.										
	P.O.E. 12+70.931	1,697,401.338	1,650,583.299											

Note: P.S. equals Point of Switch.

This sheet designed by:



ARCHITECTS ENGINEERS PLANNERS

BASELINE GEOMETRY

CURVE NUMBER	STATION	NORTHING	EASTING	TANGENT BEARING	DELTA	LENGTH (FT.)	TANGENT (FT.)	RADIUS (FT.)	DEGREE OF CURVE	S.E.	DESIGN SPEED (MPH)	
29	WTA 4											
	P.S. 0+00.000	1,697,401.338	1,650,583.289	S0°40'21.7"E								
	P.L. 0+30.762	1,697,370.578	1,650,583.650									
	P.L. 0+30.762	1,697,370.578	1,650,583.650	S7°49'45.9"E								
	P.C. 1+20.230	1,697,281.944	1,650,595.838									
	P.C. 1+20.230	1,697,281.944	1,650,595.838	S7°49'45.9"E								
	P.L. 2+00.508	1,697,202.415	1,650,606.773									
	P.T. 2+79.013	1,697,130.813	1,650,643.073									
	P.T. 2+79.013	1,697,130.813	1,650,643.073	S26°52'59.9"E	190°31'4.0" LT.	158.782	80.278	478.339	12°00'00.0"			10
	P.O.E. 2+99.421	1,697,112.610	1,650,652.301									
30	WTA 5											
	P.S. 0+00.000	1,697,793.409	1,650,721.891	S30°19'32.8"W								
	P.L. 0+30.762	1,697,766.856	1,650,706.359									
	P.L. 0+30.762	1,697,766.856	1,650,706.359	S2°37'08.6"W								
	P.C. 1+63.95	1,697,644.736	1,650,654.096									
	P.C. 1+63.95	1,697,644.736	1,650,654.096	S2°37'08.6"W								
	P.L. 4+59.759	1,697,372.459	1,650,537.572									
	P.T. 7+17.505	1,697,107.834	1,650,670.564									
	P.T. 7+17.505	1,697,107.834	1,650,670.564	S26°40'59.2"E	49°51'06.8" LT.	553.910	296.164	637.275	9°00'00.0"			10
	P.O.E. 7+28.717	1,697,097.816	1,650,675.599									
31	WTA 6											
	P.S. 0+00.000	1,698,146.402	1,650,825.420	S30°32'09.5"W								
	P.L. 0+31.250	1,698,119.486	1,650,809.543									
	P.L. 0+31.250	1,698,119.486	1,650,809.543	S35°44'19.9"W								
	P.C. 1+90.346	1,697,990.349	1,650,716.616									
	P.C. 1+90.346	1,697,990.349	1,650,716.616	S35°44'19.9"W								
	P.L. 0+31.250	1,697,119.486	1,650,809.543									
	P.L. 0+31.250	1,697,119.486	1,650,809.543	S37°25'41.2"W	1°41'21.2" RT.	112.616	56.313	3,819.828	1°30'00.0"			10
	P.T. 3+02.962	1,697,899.921	1,650,649.498									
	P.T. 3+02.962	1,697,899.921	1,650,649.498	S37°25'41.2"W								
32	WTA 7											
	P.S. 0+00.000	1,697,820.213	1,650,563.503	N29°33'39.5"E								
	P.L. 0+30.762	1,697,846.970	1,650,578.680									
	P.L. 0+30.762	1,697,846.970	1,650,578.680	N36°43'00.9"E								
	P.C. 1+10.053	1,697,910.530	1,650,626.085									
	P.C. 1+10.053	1,697,910.530	1,650,626.085	N36°43'00.9"E								
	P.L. 1+48.620	1,697,941.446	1,650,649.143									
	P.T. 1+86.975	1,697,975.170	1,650,667.856									
	P.T. 1+86.975	1,697,975.170	1,650,667.856	N29°01'28.9"E	7°41'32.0" LT.	76.922	39.568	573.686	10°00'00.0"			10

BY	DATE

SHEET NO.	OF	SCALE	APPD.	TRACED
DESIGNED	REP	DETAILED	JDS	QUANTITIES
DESIGN CR.	RSB	DETAILED CR.	REP	QUANTITIES

REVISIONS		BY	APPD.
NO.	DATE		
1			
2			
3			

CITY OF WICHITA
WICHITA CENTRAL CORRIDOR
PHASE 3 - TRACK WORK
BASELINE GEOMETRY
SHEET 1 OF 2