

STATE	PROJECT NO.	YEAR	SHEET NO.	TOTAL SHEETS
KANSAS	472-84071	2005	R3.4	

BASELINE GEOMETRY

CURVE NUMBER	STATION	NORTHING	EASTING	TANGENT BEARING	DELTA	LENGTH (FT.)	TANGENT (FT.)	RADIUS (FT.)	DEGREE OF CURVE	S.E.	DESIGN SPEED (MPH)
33	WTA 9										
	P.O.B. 0+00.000	1,698,578.421	1,651,095,298	S28°29'46.3"W							
	P.I. 0+31.250	1,698,550.957	1,651,080,388			31.25					
	P.L. 0+31.250	1,698,550.957	1,651,080,388								
	P.C. 5+73.684	1,698,052.736	1,651,080,388	S23°17'36.0"W		542.433					
	P.C. 5+73.684	1,698,052.736	1,650,865,899								
	P.C. 5+73.684	1,698,052.736	1,650,865,899	S23°17'36.0"W							
	P.L. 6+34.821	1,697,996.581	1,650,841,713		7°19'23.6" RT.	122.054	61.138	955.366	600°00.0°		10
	P.T. 6+95.737	1,697,943.966	1,650,810,576								
	WTA 11										
P.S. 0+00.000	1,696,320.322	1,650,761,727	N16°26'14.7"W								
P.L. 0+30.762	1,696,349.827	1,650,753,023			30.762						
P.L. 0+30.762	1,696,349.827	1,650,753,023									
P.L. 0+30.762	1,696,349.827	1,650,753,023	N91°6'53.7"W								
P.C. 0+99.392	1,696,417.558	1,650,741,954			68.630						
P.C. 0+99.392	1,696,417.558	1,650,741,954									
P.C. 0+99.392	1,696,417.558	1,650,741,954	N91°6'53.7"W								
P.L. 1+41.996	1,696,459.605	1,650,735,082		8°29'40.1" RT.	84.945	42.604	573.686	1000°00.0°		10	
P.T. 1+84.337	1,696,502.205	1,650,734,497									
34											
P.T. 1+84.337	1,696,502.205	1,650,734,497									
P.O.E. 3+40.000	1,696,657.854	1,650,732.358			155.663						
WTA 12											
P.S. 0+00.000	1,696,527.727	1,650,679,685	N16°26'14.7"W								
P.L. 0+31.25	1,696,557.700	1,650,670,843			31.250						
P.L. 0+31.25	1,696,557.700	1,650,670,843									
P.L. 0+31.25	1,696,557.700	1,650,670,843	N21°38'24.5"W								
P.C. 1+34.205	1,696,653.398	1,650,632.875			102.955						
P.C. 1+34.205	1,696,653.398	1,650,632.875									
P.C. 1+34.205	1,696,653.398	1,650,632.875	N21°38'24.5"W								
P.L. 2+05.300	1,696,719.482	1,650,606,657		4°58'21.9" LT.	142.078	71.095	1,637.277	3°30'00.0°		10	
P.T. 2+76.283	1,696,783.045	1,650,574,810									
35											
P.T. 2+76.283	1,696,783.045	1,650,574,810									
P.O.E. 6+11.474	1,697,082.723	1,650,424,658			335.191						
WTA 13											
P.S. 0+00.000	1,696,971.297	1,650,480,487	N26°36'45.6"W								
P.L. 0+31.250	1,696,999.237	1,650,466,488			31.250						
P.L. 0+31.250	1,696,999.237	1,650,466,488									
P.L. 0+31.250	1,696,999.237	1,650,466,488	N31°48'57.0"W								
P.C. 1+34.564	1,697,087.027	1,650,412,022			103.314						
P.C. 1+34.564	1,697,087.027	1,650,412,022									
P.C. 1+34.564	1,697,087.027	1,650,412,022	N31°48'57.0"W								
P.L. 1+83.138	1,697,128.303	1,650,386,414		2°54'48.5" RT.	97.116	48.574	1,910.078	300°00.0°		10	
P.T. 2+31.680	1,697,170.827	1,650,362,938									
P.T. 2+31.680	1,697,170.827	1,650,362,938									
P.S. 4+58.710	1,697,369.579	1,650,253,210	N28°54'08.4"W		227.029						

Note: P.S. equals Point of Switch.

BASELINE GEOMETRY

CURVE NUMBER	STATION	NORTHING	EASTING	TANGENT BEARING	DELTA	LENGTH (FT.)	TANGENT (FT.)	RADIUS (FT.)	DEGREE OF CURVE	S.E.	DESIGN SPEED (MPH)
37	UPRR 1										
	P.S. 0+00.000	1,698,232.533	1,650,876,228	N30°32'09.5"E							
	P.L. 0+31.250	1,698,259.449	1,650,892,105			31.250					
	P.L. 0+31.250	1,698,259.449	1,650,892,105								
	P.L. 0+31.250	1,698,259.449	1,650,892,105	N35°44'20.0"E		166.654					
	P.C. 1+97.904	1,698,394.720	1,650,989,447								
	P.C. 1+97.904	1,698,394.720	1,650,989,447								
	P.C. 1+97.904	1,698,394.720	1,650,989,447	N35°44'20.0"E							
	P.L. 2+40.604	1,698,429.379	1,651,014,388		7°14'34.0" LT.	85.209	42.701	674.687	8°30'00.0°		20
	P.T. 2+83.113	1,698,466.906	1,651,034,760								
38											
P.T. 2+83.113	1,698,466.906	1,651,034,760									
P.C. 7+26.338	1,698,856.435	1,651,246,223			443.226						
P.C. 7+26.338	1,698,856.435	1,651,246,223									
P.C. 7+26.338	1,698,856.435	1,651,246,223	N28°29'46.0"E								
P.L. 7+78.534	1,698,902.307	1,651,271,125		2°05'15.0" RT.	104.375	52.196	2,864.934	2°00'00.0°		20	
P.T. 8+30.713	1,698,947.242	1,651,297,682									
39											
P.T. 8+30.713	1,698,947.242	1,651,297,682									
P.S. 10+10.000	1,699,101.588	1,651,388,902			179.287						
UPRR 2											
P.O.B. 0+00.000	1,699,058,543	1,651,363,463	S30°35'00.6"W								
P.L. 0+31.250	1,699,031,640	1,651,347,563			31.250						
P.L. 0+31.250	1,699,031,640	1,651,347,563									
P.L. 0+31.250	1,699,031,640	1,651,347,563	S25°22'49.9"W		161.171						
P.C. 1+92.421	1,698,886,026	1,651,278,481									
P.C. 1+92.421	1,698,886,026	1,651,278,481									
P.C. 1+92.421	1,698,886,026	1,651,278,481	S25°22'49.9"W								
P.L. 3+02.995	1,698,786,124	1,651,231,085		26°10'55.8" LT.	216.935	110.575	478.339	12°00'00.0°		10	
P.T. 4+09.356	1,698,675,556	1,651,232,343									
P.T. 4+09.356	1,698,675,556	1,651,232,343									
P.O.E. 4+27.000	1,698,657,913	1,651,232,543	S0°39'05.9"E		17.644						

This sheet designed by:



ARCHITECTS ENGINEERS PLANNERS

REVISIONS		BY	APPD.
NO.	DATE		
3			
2			
1			

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

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