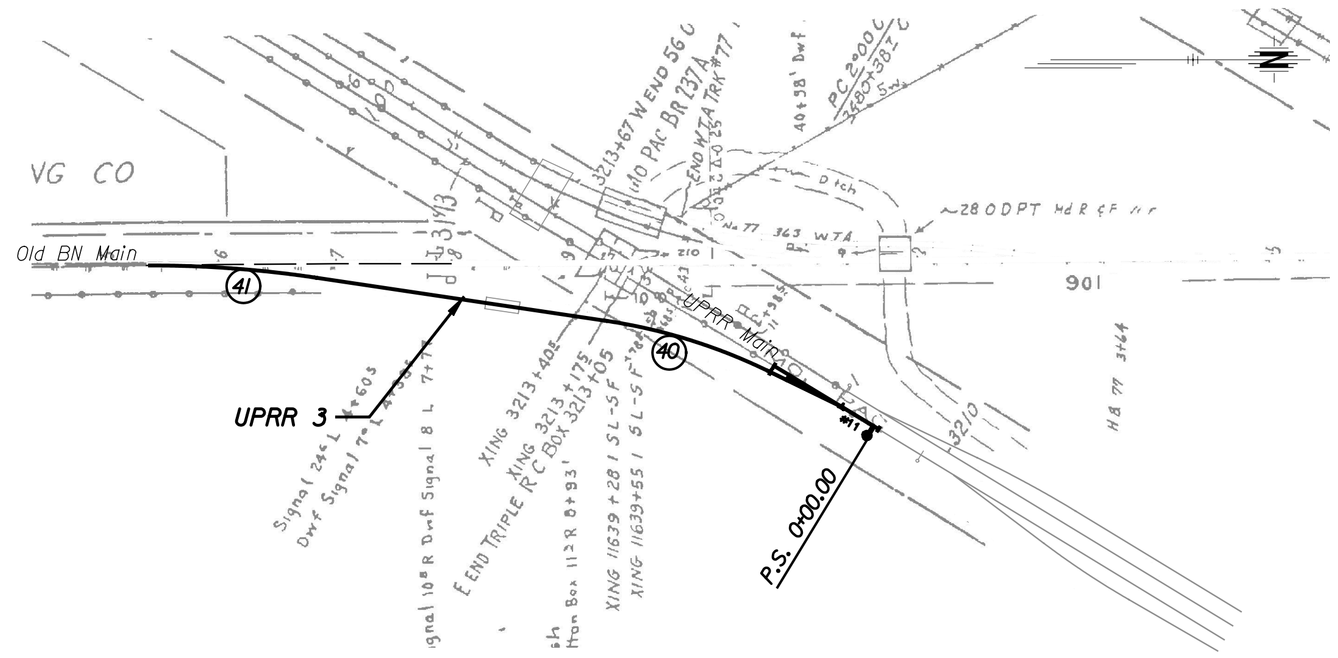
STATE	PROJECT NO.	YEAR	SHEET NO.	TOTAL SHEETS
KANSAS	472-84071	2005	RI.32	

PHASE I GEOMETRY



BASELINE GEOMETRY

CURVE NUMBER	STATION	NORTHING	EASTING	TANGENT BEARING	DELTA	LENGTH (FT.)	TANGENT (FT.)	RADIUS (FT.)	DEGREE OF CURVE	S.E.	DESIGN SPEED (MPH)
	Cline Track 5										
	P.S. 0+00.000	1,701,387.398	1,652,212.246	N29°31'40.9"E							
	P.I. 0+33.180	1,701,416.268	1,652,228.599			33.180					
	P.I. 0+33.180	1,701,416.268	1,652,228.599	N35°15'10.6"E							
	P.C. 1+00.232	1,701,471.024	1,652,267.300			67.052					
	P.C. 1+00.232	1,701,471.024	1,652,267.300	N35°15'10.6"E							
(59)	P.I. 1+12.949	1,701,481.408	1,652,274.640		0°38'08.8" RT.	25.431	12.716	2,292.013	2°30'00.0"		10
	P.T. 1+25.663	1,701,491.711	1,652,282.095	N35°53'19.4"E							
	P.T. 1+25.663	1,701,491.711	1,652,282.095	N35°53'19.4"E							
	P.C. 5+19.459	1,701,810.747	1,652,512.943			393.796					
	P.C. 5+19.459	1,701,810.747	1,652,512.943	N35°53'19.4"E							
(60)	P.I. 5+52.506	1,701,837.521	1,652,532.316		6°15'56.2" LT.	65.954	33.048	603.805	9°30'00.0"		10
	P.T. 5+85.412	1,701,866.249	1,652,548.651	N29°37'23.2"E							
	P.T. 5+85.412	1,701,866.249	1,652,548.651	N29°37'23.2"E							
	P.C. 9+63.296	1,702,194.742	1,652,735.436			377.884					
	P.C. 9+63.296	1,702,194.742	1,652,735.436	N29°37'23.2"E							
(61)	P.I. 9+92.001	1,702,219.695	1,652,749.625		0°34'26.7" LT.	57.408	28.705	5,729.651	1°00'00.0"		10
	P.T. 10+20.704	1,702,244.788	1,652,763.562	N29°02'56.5"E							
	P.T. 10+20.704	1,702,244.788	1,652,763.562	N29°02'56.5"E							
	P.C. 12+12.533	1,702,412.486	1,652,856.707			191.839					
	P.C. 12+12.533	1,702,412.486	1,652,856.707	N29°02'56.5"E							
(62)	P.I. 12+45.026	1,702,440.892	1,652,872.484		0°38'59.4" RT.	64.985	32.493	5,729.651	1°00'00.0"		10
	P.T.12+77.518	1,702,469.117	1,652,888.582	N29°41'55.9"E							
	P.T.12+77.518	1,702,469.117	1,652,888.582	N29°41'55.9"E							
	P.T.13+97.381	1,702,573.235	1,652,947.967			119.863					
	Cline Track 6										
	P.S. 0+00.000	1,702,322.851	1,652,806.921	N29°02'56.0"E							
	P.I. 0+33.180	1,702,351.857	1,652,823.031			33.180					
	P.I. 0+33.180	1,702,351.857	1,652,823.031	N34°46'25.7"E							
	P.C. 1+04.002	1,702,410.302	1,652,863.424			70.822					
	P.C. 1+04.002	1,702,410.302	1,652,863.424	N34°46'25.7"E							
(63)	P.I. 1+22.494	1,702,425.221	1,652,873.971		2°57'20.4" RT.	36.946	18.492	716.779	8°00'00.0"		10
	P.T. 1+40.948	1,702,439.847	1,652,885.287	N37°43'46.0"E							
	P.T. 1+40.948	1,702,439.847	1,652,885.287	N37°43'46.0"E							
	P.O.E. 1+89.690	1,702,478.397	1,652,915.114			48.742					

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)
	Cline Track 7										
	P.S. 0+00.000	1,702,479.959	1,652,894.766	N29°41'54.0"E							
	P.I. 0+30.168	1,702,506.165	1,652,909.713			30.168					
	P.I. 0+30.168	1,702,506.165	1,652,909.713	N36°03'30.3"E							
	P.C. 1+08.346	1,702,569.365	1,652,955.729			78.178					
	P.C. 1+08.346	1,702,569.365	1,652,955.729	N36°03'30.3"E							
(64)	P.I. 1+42.391	1,702,596.879	1,652,975.762		6°27'08.8" LT.	67.920	34.035	603.805	9°30'00.0"		10
	P.T. 1+76.266	1,702,626.471	1,652,992.577	N29°36'21.6"E							
	UPRR / WTA Connection										
	P.S. 0+00.000	1,700,597.392	1,651,698.530	N35°53'57.5"E							
	P.I. 0+30.168	1,700,621.830	1,651,716.219			30.168					
	P.I. 0+30.168	1,700,621.830	1,651,716.219	N42°15'34.5"E							
	P.C. 1+16.215	1,700,685.514	1,651,774.085			86.047					
	P.C. 1+16.215	1,700,685.514	1,651,774.085	N42°15'34.5"E							
(65)	P.I. 1+53.742	1,700,713.288	1,651,799.322		7°06'46.1" LT.	74.872	37.527	603.805	9°30'00.0"		10
	P.T. 1+91.087	1,700,743.973	1,651,820.925	N38°08'48.4"E							
	P.T. 1+91.087	1,700,743.973	1,651,820.925	N38°08'48.4"E							
	P.I. 2+82.331	1,700,818.581	1,651,873.452			91.244					
	P.I. 2+82.331	1,700,818.581	1,651,873.452	N29°45'22.4"E							
	P.S. 3+15.835	1,700,847.667	1,651,890.080			33.504					
	UPRR 3										
	P.O.B. 0+00.000	1,700,201.511	1,652,052.115	S30°36'28.4"W							
	P.I. 0+31.250	1,700,174.615	1,652,036.204			31.250					
	P.I. 0+31.250	1,700,174.615	1,652,036.204	S25°24'17.9"W							
	P.C. 1+00.659	1,700,111.917	1,652,006.426			69.409					
	P.C. 1+00.659	1,700,111.917	1,652,006.426	S25°24'17.9"W							
(40)	P.I. 1+74.294	1,700,045.403	1,651,974.836		17°30'09.9" LT.	145.856	73.635	478.339	12°00'00.0"		15
	P.T. 2+46.516	1,699,972.467	1,651,964.712	S7°54'08.0"W							
	P.T. 2+46.516	1,699,972.467	1,651,964.712	S7°54'08.0"W							
	P.C. 4+96.914	1,699,724.446	1,651,930.287			250.399					
	P.C. 4+96.914	1,699,724.446	1,651,930.287	S7°54'08.0"W							
(41)	P.I. 5+68.052	1,699,653.984	1,651,920.507		8°31'01.0" LT.	141.949	71.138	955.366	6°00'00.0"		15
	P.T. 6+38.863	1,699,582.850	1,651,921.270	S0°36'53.1"E							

NO.	DATE	REVISIONS	BY	APP'D
3				
2				
1				

CITY OF WICHITA

WICHITA CENTRAL CORRIDOR
PHASE I - TRACK WORK
GEOMETRIC LAYOUT AND BASELINE GEOMETRY
SHEET 2 OF 2

SHEET NO.	OF	SCALE		APP'D	
DESIGNED	REP	DETAILED	JDG	QUANTITIES	TRACED
DESIGN CK.	RSB	DETAIL CK.	REP	QUAN.CK.	TRACE CK.

This sheet designed by:

HNTB
ARCHITECTS ENGINEERS PLANNERS

DATE	BY

Plotted on: Tuesday, January 04, 2005 8:19:48 AM
JGraham Plot Queue: \\cbsw100\XC029049-PS
Plot Scale: 100.000000 x 100.000000 Pen Table: m:\jobs\29049\Tech\Prod\Railroad\plots\fullsize.pen
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