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

PHASE I GEOMETRY

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)
	Temporary Main Track *(See Sht. No. RI.2 for Existing Track Geometry at Tie-in.)*												
	P.C.C. 11103+01.198	1,696,470.458	1,650,682.951	S20°28'11.6"E							586.401		
(3)	P.I. 11108+87.599	1,695,921.085	1,650,888.025		19°38'33.1" RT.	1,141.135	576.048	3,387.066	1°41'30.0"			3/4"	30
	C.S. 11114+42.334	1,695,354.855	1,650,896.123							40.000	606.287		
	S.T. 11114+82.334	1,695,314.861	1,650,896.780	S0°49'38.6"E									
	S.T. 11114+82.334	1,695,314.861	1,650,896.780	S0°49'38.6"E									
	T.S. 11138+59.404	1,692,938.038	1,650,931.104			2,377.070							
	T.S. 11138+59.404	1,692,938.038	1,650,931.104	S0°49'38.6"E									
	S.C. 11138+99.404	1,692,898.043	1,650,931.690										
(4)	P.I. 11139+78.661	1,692,818.794	1,650,932.826		0°19'51.1" LT.	158.513	79.257	34,377.480	0°10'00.0"	40.000	119.257	3/4"	30
	C.S. 11140+57.917	1,692,739.554	1,650,934.436										
	S.T. 11140+97.917	1,692,699.562	1,650,935.237	S1°09'29.6"E									
	S.T. 11140+97.917	1,692,699.562	1,650,935.237	S1°09'29.6"E									
	T.S. 11168+23.336	1,689,974.699	1,650,990.328			2,725.419							
	T.S. 11168+23.336	1,689,974.699	1,650,990.328	S1°09'29.6"E									
	S.C. 11168+63.336	1,689,934.707	1,650,991.113										
(5)	P.I. 11169+78.819	1,689,819.249	1,650,993.470		1°21'17.1" RT.	230.952	115.480	11,459.192	0°30'00.0"	40.000	155.483	3/4"	30
	C.S. 11170+94.288	1,689,703.767	1,650,993.051										
	S.T. 11171+34.288	1,689,663.767	1,650,992.937	S0°11'47.5"W									
	S.T. 11171+34.288	1,689,663.767	1,650,992.937	S0°11'47.5"W									
	T.S. 11176+32.083	1,689,165.974	1,650,991.230			497.795							
	T.S. 11176+32.083	1,689,165.974	1,650,991.230	S0°11'47.5"W									
	S.C. 11176+72.083	1,689,125.975	1,650,991.116										
(6)	P.I. 11177+78.652	1,689,019.406	1,650,990.727		1°15'56.3" LT.	213.128	106.567	11,459.192	0°30'00.0"	40.000	146.569	3/4"	30
	C.S. 11178+85.211	1,688,912.855	1,650,992.739										
	S.T. 11179+25.211	1,688,872.862	1,650,993.462	S1°04'08.8"E									
	S.T. 11179+25.211	1,688,872.862	1,650,993.462	S1°04'08.8"E									
	T.S. 11187+28.800	1,688,069.413	1,651,008.455			803.589							
	T.S. 11187+28.800	1,688,069.413	1,651,008.455	S1°04'08.8"E									
	S.C. 11187+68.800	1,688,029.421	1,651,009.272										
(7)	P.I. 11188+23.811	1,687,974.418	1,651,010.228		2°14'59.9" LT.	110.000	55.005	3,819.828	1°30'00.0"	40.000	95.012	3/4"	30
	C.S. 11188+78.800	1,687,919.503	1,651,013.483										
	S.T. 11189+18.800	1,687,879.566	1,651,015.729	S3°19'08.7"E									

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)
	Temporary Main Track (Cont.)												
	S.T. 11189+18.800	1,687,879.566	1,651,015.729	S3°19'08.7"E									
	T.S. 11190+59.909	1,687,738.694	1,651,023.899			141.109							
	T.S. 11190+59.909	1,687,738.694	1,651,023.899	S3°19'08.7"E									
	S.C. 11190+99.909	1,687,698.757	1,651,026.145										
(8)	P.I. 11191+54.920	1,687,643.841	1,651,029.400		2°14'59.9" RT.	110.000	55.005	3,819.828	1°30'00.0"	40.000	95.011	3/4"	30
	C.S. 11192+09.908	1,687,588.838	1,651,030.356										
	S.T. 11192+49.908	1,687,548.847	1,651,031.172	S1°04'08.8"E									
	S.T. 11192+49.908	1,687,548.847	1,651,031.172	S1°04'08.8"E									
	T.S. 11196+85.275	1,687,113.555	1,651,039.296			435.367							
	T.S. 11196+85.275	1,687,113.555	1,651,039.296	S1°04'08.8"E									
	S.C. 11197+25.275	1,687,073.561	1,651,039.972										
(9)	P.I. 11197+80.287	1,687,018.560	1,651,041.068		2°15'00.0" RT.	110.000	55.005	3,819.828	1°30'00.0"	40.000	95.012	3/4"	30
	C.S. 11198+35.276	1,686,963.562	1,651,039.865										
	S.T. 11198+75.276	1,686,923.569	1,651,039.110	S1°10'51.2"W									
	S.T. 11198+75.276	1,686,923.569	1,651,039.110	S1°10'51.2"W									
	T.S. 11200+16.384	1,686,782.490	1,651,036.202			141.108							
	T.S. 11200+16.384	1,686,782.490	1,651,036.202	S1°10'51.2"W									
	S.C. 11200+56.384	1,686,742.498	1,651,035.448										
(10)	P.I. 11201+11.396	1,686,687.499	1,651,034.244		2°15'00.0" LT.	110.001	55.006	3,819.828	1°30'00.0"	40.000	95.012	3/4"	30
	C.S. 11201+66.385	1,686,632.498	1,651,035.340										
	S.T. 11202+06.385	1,686,592.503	1,651,036.017	S1°04'08.8"E									
	S.T. 11202+06.385	1,686,592.503	1,651,036.017	S1°04'08.8"E									
	T.S. 11205+96.604	1,686,202.352	1,651,043.298			390.219							
	T.S. 11205+96.604	1,686,202.352	1,651,043.298	S1°04'08.8"E									
	S.C. 11206+36.604	1,686,162.357	1,651,043.951										
(11)	P.I. 11207+13.413	1,686,085.564	1,651,045.477		3°52'14.3" RT.	153.535	76.790	2,864.934	2°00'00.0"	40.000	116.809	3/4"	
	C.S. 11207+90.139	1,686,008.851	1,651,041.630										30
	S.T. 11208+30.139	1,685,968.894	1,651,039.768	S2°48'05.5"W									
	S.T. 11208+30.139	1,685,968.894	1,651,039.768	S2°48'05.5"W									
	P.I. 11211+01.662	1,685,697.695	1,651,026.497			271.523							
	P.I. 11211+01.662	1,685,697.695	1,651,026.497	S2°48'05.5"W									
	P.S. 11211+41.636	1,685,657.728	1,651,027.206	S1°01'00.6"E		39.974							

BASELINE GEOMETRY

CURVE NUMBER	STATION	NORTHING	EASTING	TANGENT BEARING	DELTA	LENGTH (FT.)	TANGENT (FT.)	RADIUS (FT.)	DEGREE OF CURVE	S.E.	DESIGN SPEED (MPH)
	New Museum Track 4										
	P.S. 0+00.000	1,686,121.100	1,651,126.544	S6°13'01.6"W							
	P.C. 0+80.111	1,686,041.460	1,651,117.868			80.111					
	P.C. 0+80.111	1,686,041.460	1,651,117.868	S6°13'01.6"W							
(20)	P.I. 1+05.814	1,686,015.909	1,651,115.085		7°25'24.6" LT.	51.197	25.703	396.200	14°30'00.0"		10
	P.T. 1+31.308	1,685,990.212	1,651,115.626	S1°12'23.0"E							
	P.T. 1+31.308	1,685,990.212	1,651,115.626	S1°12'23.0"E							
	P.O.E. 2+05.376	1,685,916.160	1,651,117.185			74.068					
	New Museum Track 5										
	P.O.B. 0+00.000	1,685,900.723	1,651,137.637	N0°32'26.3"W							
	P.C. 1+48.754	1,686,049.471	1,651,136.233			148.754					
	P.C. 1+48.754	1,686,049.471	1,651,136.233	N0°32'26.3"W							
(21)	P.I. 1+88.246	1,686,088.961	1,651,135.861		0°23'41.7" LT.	78.984	39.492	11,459.192	0°30'00.0"		
	P.T. 2+27.738	1,686,128.448	1,651,135.216	N0°56'08.0"W							
	P.T. 2+27.738	1,686,128.448	1,651,135.216	N0°56'08.0"W							
	P.C. 4+05.582	1,686,306.268	1,651,132.312								
	P.C. 4+05.582	1,686,306.268	1,651,132.312	N0°56'08.0"W							
(22)	P.I. 4+66.695	1,686,367.373	1,651,131.314		6°06'12.9" LT.	122.072	61.113	1,146.279	5°00'00.0"		
	P.T. 5+27.654	1,686,428.026	1,651,123.825	N7°02'21.0"W							

Note: P.S. equals Point of Switch

NO.	DATE	REVISIONS	BY	APP'D
3				
2				
1				

CITY OF WICHITA

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

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 8:07:30 AM
JGraham Plot Queue: \\cbsw100\KC029049-PS
Plot Scale: 500.000lib/000000 Pen Tables: m:\jobs\29049\TechProd\Railroad\plots\fullsize.pen
Design Filenames: M:\jobs\29049\TechProd\Railroad\Drawings\Plan_B\Details\Phase1\wcl_base_geo.dgn