

PROPOSED -L- TRACK ALIGNMENT

Point 9700
N 541,995.8476 E 1,429,146.0949 Sta 8+00.00

Course from 9700 to 9701
S 58° 04' 56.65" E Dist 200.0000

Point 9701 (PS # 15 RHTO)
N 541,890.1078 E 1,429,315.8568 Sta 10+00.00

Course from 9701 to 9702
S 58° 04' 56.65" E Dist 39.9800

Point 9702 (PI # 15 RHTO)
N 541,868.9704 E 1,429,349.7921 Sta 10+39.98

Course from 9702 to TS CUR_L-101B
S 54° 15' 50.65" E Dist 332.1640

Curve 101 Ea = 1.00", V = 25 mph

PISCS CUR_L-101 N 541,616.6788 E 1,429,700.4288 STA 14+71.95

Total Tangent = 99.8049
Total Length = 199.5457
Total Delta = 3° 51' 03.98" (LT)
Back Tangent = S 54° 15' 50.65" E
Ahead Tangent = S 58° 06' 54.63" E

Spiral CUR_L-101B

Chord Definition

Angle	0° 52' 04.49" (LT)	P	0.0783
LS	62.0000	K	30.9998
R	2,046.4815	LT	41.3338
YS	0.3131	ST	20.6671
XS	61.9986	LC	61.9994
BK	S 54° 15' 50.65" E		
AH	S 55° 07' 55.14" E		
CB	S 54° 33' 12.15" E		
Defl	0° 17' 21.49"		
Deg	2° 48' 00.00"		

Spiral Coordinates

Point	North	East	Station
TS	541,674.9699	1,429,619.4155	13+72.14
PI	541,650.8289	1,429,652.9669	14+13.48
SC	541,639.0137	1,429,669.9236	14+34.14
CC	543,318.0927	1,430,839.8725	

Curve CUR_L-101

Chord Definition

P.I. Station	14+71.92	N	541,617.4148	E	1,429,700.9218
Delta =	2° 06' 55.00" (LT)				
Degree =	2° 48' 00.00"				
Tangent =	37.7809				
Length =	75.5457				
Radius =	2,046.4815				
External =	0.3487				
Long Chord =	75.5489				
Mid. Ord. =	0.3487				
P.C. Station	14+34.14	N	541,639.0137	E	1,429,669.9236
P.T. Station	15+09.69	N	541,596.9748	E	1,429,732.6960
C.C.		N	543,318.0927	E	1,430,839.8725
Back	S 55° 07' 55.14" E				
Ahead	S 57° 14' 50.14" E				
Chord Bear	S 56° 11' 22.64" E				

Spiral CUR_L-101A

Chord Definition

Angle	0° 52' 04.49" (LT)	P	0.0783
LS	62.0000	K	30.9998
R	2,046.4815	LT	41.3338
YS	0.3131	ST	20.6671
XS	61.9986	LC	61.9994
BK	S 57° 14' 50.14" E		
AH	S 58° 06' 54.63" E		
CB	S 57° 49' 33.14" E		
Defl	0° 17' 21.49"		
Deg	2° 48' 00.00"		

Spiral Coordinates

Point	North	East	Station
CS	541,596.9748	1,429,732.6960	15+09.69
PI	541,585.7936	1,429,750.0773	15+30.36
ST	541,563.9605	1,429,785.1743	15+71.69
CC	543,318.0927	1,430,839.8725	

Course from ST CUR_L-101A to TS CUR_L-102B
S 58° 06' 54.63" E Dist 114.8712

Curve 102 Ea = 2.0", V = 25 mph

PISCS CUR_L-102 N 541,064.2176 E 1,430,588.5191 STA 25+17.79

Total Tangent = 831.2290
Total Length = 1,242.2607
Total Delta = 100° 37' 55.19" (RT)
Back Tangent = S 58° 06' 54.63" E
Ahead Tangent = S 42° 31' 00.55" W

Spiral CUR_L-102B

Chord Definition

Angle	5° 34' 27.35" (RT)	P	1.0050
LS	124.0000	K	61.9804
R	637.2747	LT	82.7077
YS	4.0186	ST	41.3706
XS	123.8827	LC	123.9478
BK	S 58° 06' 54.63" E		
AH	S 52° 32' 27.28" E		
CB	S 56° 15' 26.05" E		
Defl	1° 51' 28.58"		
Deg	9° 00' 00.00"		

Spiral Coordinates

Point	North	East	Station
TS	541,503.2840	1,429,882.7128	16+86.56
PI	541,459.5967	1,429,952.9409	17+69.27
SC	541,434.4353	1,429,985.7804	18+10.56
CC	540,928.5744	1,429,598.1932	

Curve CUR_L-102

Chord Definition

P.I. Station	24+42.12	N	541,050.3266	E	1,430,487.1013
Delta =	89° 29' 00.48" (RT)				
Degree =	9° 00' 00.00"				
Tangent =	631.5553				
Length =	994.2607				
Radius =	637.2747				
External =	259.9327				
Long Chord =	897.1710				
Mid. Ord. =	184.6268				
P.C. Station	18+10.56	N	541,434.4353	E	1,429,985.7804
P.T. Station	28+04.82	N	540,545.5633	E	1,430,107.5277
C.C.		N	540,928.5744	E	1,429,598.1932
Back	S 52° 32' 27.28" E				
Ahead	S 36° 56' 33.20" W				
Chord Bear	S 7° 47' 57.04" E				

Spiral CUR_L-102A

Chord Definition

Angle	5° 34' 27.35" (RT)	P	1.0050
LS	124.0000	K	61.9804
R	637.2747	LT	82.7077
YS	4.0186	ST	41.3706
XS	123.8827	LC	123.9478
BK	S 36° 56' 33.20" W		
AH	S 42° 31' 00.55" W		
CB	S 40° 39' 31.97" W		
Defl	1° 51' 28.58"		
Deg	9° 00' 00.00"		

Spiral Coordinates

Point	North	East	Station
CS	540,545.5633	1,430,107.5277	28+04.82
PI	540,512.4983	1,430,082.6634	28+46.19
ST	540,451.5362	1,430,026.7690	29+28.82
CC	540,928.5744	1,429,598.1932	

Course from ST CUR_L-102A to 9703
S 42° 31' 00.55" W Dist 155.7473

Point 9703 (PI # 15 LHTO)
N 540,336.7381 E 1,429,921.5139 Sta 30+84.57

Course from 9703 to 9704
S 46° 20' 06.55" W Dist 39.9800

Point 9704 (PS # 15 LHTO)
N 540,309.1344 E 1,429,892.5927 Sta 31+24.55