Proposed Temporary Side Track - Horizontal Alignment Description
RAIL2 N 1368067.91 E 2124603.41 STA 75+47.79
Distance 452.21' Bearing S 52°55'07.3" W
Spiral Curve Spiral CZ1
STA 80+00.00
TS N 1367795.25 E 2124242.64 STA 80+00.00
SC N 1367757.69 E 2124193.32 STA 80+62.00
CS N 1367666.48 E 2124081.27 STA 82+06.49
ST N 1367625.81 E 2124034.49 STA 82+68.49
PI N 1367714.28 E 2124135.51 STA 81+34.29
Delta -4°07'46.2"
External 1.917
Ts(Spiral In) 134.289 ** Ts(Spiral out) 134.289
DB S 52°55'07.3" W
DA S 48°47'21.1" W
********** Spiral-In CZ1B **********
SI N 1367770.33 E 2124209.67
Long Tangent 41.33'
Short Tangent 20.67'
Long Chord 62.00'
Spiral Length 62.00'
Spiral Angle 0°37'11.9"
Xs 61.999
Ys -0.224
p 0.056
k 31.000
k' 0.056
External 0.097935
********** Curve CZ1 **********
CC N 1365491.92 E 2125945.35
PI N 1367713.50 E 2124136.15 STA 81+34.26
TAN 72.26'
Distance 144.47' Bearing S 50°51'14.2" W
External Distance 0.91'
Middle Ordinate 0.91'
Radius 2864.93'
DEG 2°00'00.0"
DELTA -2°53'22.4"
LENGTH 144.49'
********** Spiral-Out CZ1A **********
SI N 1367653.04 E 2124065.58
Long Tangent 41.33'
Short Tangent 20.67'
Long Chord 62.00'
Spiral Length 62.00'
Spiral Angle 0°37'11.9"
Xs 61.999
Ys 0.224
p 0.056
k 31.000
k' 0.056
External 0.097935
Distance 270.79' Bearing S 48°47'21.1" W

SE = 1.0"

Spiral Curve Spiral CZ2
STA 85+39.28
TS N 1367447.40 E 2123830.77 STA 85+39.28
SC N 1367406.67 E 2123784.03 STA 86+01.28
CS N 1367257.92 E 2123601.33 STA 88+36.90
ST N 1367220.40 E 2123551.97 STA 88+98.90
PI N 1367328.89 E 2123695.45 STA 87+19.16
Delta 4°07'01.2"
External 2.713
Ts(Spiral In) 179.876 ** Ts(Spiral out) 179.876
DB S 48°47'21.1" W
DA S 52°54'22.3" W
********** Spiral-In ZC2B **********
SI N 1367420.17 E 2123799.67
Long Tangent 41.33'
Short Tangent 20.67'
Long Chord 62.00'
Spiral Length 62.00'
Spiral Angle 0°25'43.8"
Xs 62.000
Ys 0.155
p 0.039
k 31.000
k' 0.039
External 0.068004
********** Curve CZ2 **********
CC N 1370542.96 E 2121078.57
PI N 1367329.69 E 2123694.80 STA 87+19.13
TAN 117.84'
Distance 235.59' Bearing S 50°50'51.7" W
External Distance 1.68'
Middle Ordinate 1.68'
Radius 4141.96'
DEG 1°23'00.0"
DELTA 3°15'33.7"
LENGTH 235.62'
********** Spiral-Out CZ2A **********
SI N 1367245.33 E 2123584.94
Long Tangent 41.33'
Short Tangent 20.67'
Long Chord 62.00'
Spiral Length 62.00'
Spiral Angle 0°25'43.8"
Xs 62.000
Ys -0.155
p 0.039
k 31.000
k' 0.039
External 0.068004
Distance 381.91' Bearing S 52°54'22.3" W

SE = 1.0"

Spiral Curve Spiral CZ3
STA 92+80.81
TS N 1366990.07 E 2123247.34 STA 92+80.81
SC N 1366952.94 E 2123197.69 STA 93+42.81
CS N 1366874.97 E 2123082.43 STA 94+82.00
ST N 1366842.70 E 2123029.49 STA 95+44.00
PI N 1366910.64 E 2123142.30 STA 94+12.50
Delta 6°02'05.8"
External 2.736
Ts(Spiral In) 131.691 ** Ts(Spiral out) 131.691
DB S 52°54'22.3" W
DA S 58°56'28.1" W
********** Spiral-In CZ3B **********
SI N 1366965.14 E 2123214.37
Long Tangent 41.33'
Short Tangent 20.67'
Long Chord 62.00'
Spiral Length 62.00'
Spiral Angle 0°55'47.6"
Xs 61.998
Ys 0.335
p 0.084
k 31.000
k' 0.084
External 0.146909
********** Curve CZ3 **********
CC N 1368495.01 E 2122070.56
PI N 1366911.86 E 2123141.48 STA 94+12.44
TAN 69.63'
Distance 139.16' Bearing S 55°55'25.2" W
External Distance 1.27'
Middle Ordinate 1.27'
Radius 1910.08'
DEG 3°00'00.0"
DELTA 4°10'30.6"
LENGTH 139.19'
********** Spiral-Out CZ3A **********
SI N 1366864.02 E 2123064.90
Long Tangent 41.33'
Short Tangent 20.67'
Long Chord 62.00'
Spiral Length 62.00'
Spiral Angle 0°55'47.6"
Xs 61.998
Ys -0.335
p 0.084
k 31.000
k' 0.084
External 0.146909
Distance 121.55' Bearing S 58°56'28.1" W

SE = 1.0"

Spiral Curve Spiral CZ4
STA 96+65.55
TS N 1366779.99 E 2122925.36 STA 96+65.55
SC N 1366747.71 E 2122872.43 STA 97+27.55
CS N 1366684.86 E 2122778.13 STA 98+40.89
ST N 1366648.41 E 2122727.98 STA 99+02.89
PI N 1366718.73 E 2122823.65 STA 97+84.29
Delta -5°15'34.6"
External 2.098
Ts(Spiral In) 118.735 ** Ts(Spiral out) 118.735
DB S 58° 56'28.1" W
DA S 53°40'53.5" W
********** Spiral-In CZ4B **********
SI N 1366758.66 E 2122889.95
Long Tangent 41.33'
Short Tangent 20.67'
Long Chord 62.00'
Spiral Length 62.00'
Spiral Angle 0°55'47.6"
Xs 61.998
Ys -0.335
p 0.084
k 31.000
k' 0.084
External 0.146909
********** Curve CZ4 **********
CC N 1365127.68 E 2123884.29
PI N 1366717.68 E 2122824.35 STA 97+84.24
TAN 56.69'
Distance 113.32 Bearing S 56°18'40.8 W
External Distance 0.84'
Middle Ordinate 0.84'
Radius 1910.08'
DEG 3°00'00.0"
DELTA -3°23'59.3"
LENGTH 113.34'
********** Spiral-Out CZ4A **********
SI N 1366672.89 E 2122761.28
Long Tangent 41.33'
Short Tangent 20.67'
Long Chord 62.00'
Spiral Length 62.00'
Spiral Angle 0°55'47.6"
Xs 61.998
Ys 0.335
p 0.084
k 31.000
k' 0.084
External 0.146909
Distance 126.27' Bearing S 53°40'53.5" W
RAIL1852 N 1366573.62 E 2122626.24 STA 100+29.16

SE = 1.0"