

HORIZONTAL ALIGNMENT DATA

INTERSTATE 91- MAINLINE

OUTSIDE (INSPECTION AREA)

INSIDE (SWALE)

Project Name: za222
 Description: VERNON TIS
 Horizontal Alignment Name: I-91
 Description: Along TW 7-25
 Style: align1
 STATION NORTHING EASTING

Project Name: za222
 Description: VERNON TIS
 Horizontal Alignment Name: Clock_Out_H
 Description: Clock_Outside_Horz
 Style: align1
 STATION NORTHING EASTING

Project Name: za222
 Description: VERNON TIS
 Horizontal Alignment Name: Clock_In_H
 Description: Clock_Inside_Horz
 Style: align2
 STATION NORTHING EASTING

Element: Linear
 POB () 100+00.00 80285.4566 1622247.3360
 PC () 119+17.31 82144.3092 1621777.5121
 Tangent Direction: N 14° 11' 03.87" W
 Tangent Length: 1917.31

Element: Linear
 POB (22) 500+00.00 85033.1501 1621886.9958
 PC (23) 502+42.64 85112.7850 1622116.1998
 Tangent Direction: N 70° 50' 26.46" E
 Tangent Length: 242.64

Element: Linear
 POB (33) 600+00.00 85155.7954 1621909.8593
 PC (34) 600+24.13 85131.6639 1621910.1065
 Tangent Direction: S 0° 35' 12.55" E
 Tangent Length: 24.13

Element: Circular
 PC () 119+17.31 82144.3092 1621777.5121
 PI () 130+90.04 83281.2852 1621490.1421
 CC () 83450.7233 1626946.3243
 PT () 142+26.00 84433.9013 1621706.4104

Element: Circular
 PC (23) 502+42.64 85112.7850 1622116.1998
 CC (24) 502+95.11 85160.0155 1622099.7900
 PT (27) 502+95.11 85150.7150 1622148.9174

Element: Circular
 PC (34) 600+24.13 85131.6639 1621910.1065
 PI () 603+29.71 84826.1058 1621913.2361
 CC (37) 601+12.51 85131.9712 1621940.1049
 PT (38) 601+12.51 85126.4386 1621969.5904

Radius: 5331.35
 Delta: 24° 48' 41.03" Right
 Degree of Curvature (Arc): 1° 04' 28.90"
 Length: 2308.69
 Tangent: 1172.73
 Chord: 2290.70
 Middle Ordinate: 124.48
 External: 127.46
 Tangent Direction: N 14° 11' 03.87" W
 Radial Direction: N 75° 48' 56.13" E
 Chord Direction: N 1° 46' 43.36" W
 Radial Direction: S 79° 22' 22.84" E
 Tangent Direction: N 10° 37' 37.16" E

Radius: 50.00
 Delta: 60° 07' 14.74" Left
 Degree of Curvature (Arc): 114° 35' 29.61"
 Length: 52.47
 Tangent: 28.94
 Chord: 50.09
 Middle Ordinate: 6.73
 External: 7.77
 Tangent Direction: N 70° 50' 26.46" E
 Radial Direction: S 19° 09' 33.54" E
 Chord Direction: N 40° 46' 49.09" E
 Radial Direction: S 79° 16' 48.28" E
 Tangent Direction: N 10° 43' 11.72" E

Radius: 30.00
 Delta: 168° 47' 08.93" Left
 Degree of Curvature (Arc): 190° 59' 09.35"
 Length: 88.38
 Tangent: 305.57
 Chord: 59.71
 Middle Ordinate: 27.07
 External: 277.04
 Tangent Direction: S 0° 35' 12.55" E
 Radial Direction: S 89° 24' 47.45" W
 Chord Direction: S 84° 58' 47.02" E
 Radial Direction: S 79° 22' 21.48" E
 Tangent Direction: N 10° 37' 38.52" E

Element: Linear
 PT () 142+26.00 84433.9013 1621706.4104
 POE () 172+01.43 87358.2983 1622255.1222
 Tangent Direction: N 10° 37' 37.16" E
 Tangent Length: 2975.43

Element: Linear
 PT (27) 502+95.11 85150.7150 1622148.9174
 PC (28) 505+08.22 85360.1072 1622188.5579
 Tangent Direction: N 10° 43' 11.72" E
 Tangent Length: 213.11

Element: Linear
 PT (38) 601+12.51 85126.4386 1621969.5904
 PC (35) 602+99.60 85310.3223 1622004.0942
 Tangent Direction: N 10° 37' 38.52" E
 Tangent Length: 187.09

Element: Circular
 PC (28) 505+08.22 85360.1072 1622188.5579
 PI () 505+57.94 85408.9572 1622197.8058
 CC (29) 505+86.48 85369.4076 1622139.4305
 PT (30) 505+86.48 85418.4816 1622149.0089

Element: Circular
 PC (35) 602+99.60 85310.3223 1622004.0942
 PI () 615+57.30 86546.4506 1622236.0404
 CC (39) 603+92.42 85315.8549 1621974.6088
 PT (40) 603+92.42 85322.7871 1621945.4207

Radius: 50.00
 Delta: 89° 40' 32.10" Left
 Degree of Curvature (Arc): 114° 35' 29.61"
 Length: 78.26
 Tangent: 49.72
 Chord: 70.51
 Middle Ordinate: 14.54
 External: 20.51
 Tangent Direction: N 10° 43' 11.72" E
 Radial Direction: S 79° 16' 48.28" E
 Chord Direction: N 34° 07' 04.32" W
 Radial Direction: N 11° 02' 39.63" E
 Tangent Direction: N 78° 57' 20.37" W

Radius: 30.00
 Delta: 177° 16' 01.78" Left
 Degree of Curvature (Arc): 190° 59' 09.35"
 Length: 92.82
 Tangent: 1257.70
 Chord: 59.98
 Middle Ordinate: 29.28
 External: 1228.06
 Tangent Direction: N 10° 37' 38.52" E
 Radial Direction: S 79° 22' 21.48" E
 Chord Direction: N 78° 00' 22.37" W
 Radial Direction: N 76° 38' 23.26" W
 Tangent Direction: S 13° 21' 36.74" W

Element: Linear
 PT (30) 505+86.48 85418.4816 1622149.0089
 PC (25) 507+51.60 85450.1143 1621986.9425
 Tangent Direction: N 78° 57' 20.37" W
 Tangent Length: 165.12

Element: Linear
 PT (40) 603+92.42 85322.7871 1621945.4207
 POE (36) 604+54.58 85262.3098 1621931.0573
 Tangent Direction: S 13° 21' 36.74" W
 Tangent Length: 62.16

Element: Circular
 PC (25) 507+51.60 85450.1143 1621986.9425
 PI () 507+88.64 85457.2090 1621950.5935
 CC (31) 508+15.03 85498.2068 1621996.3293
 PT (32) 508+15.03 85494.1145 1621947.5005

Radius: 49.00
 Delta: 74° 09' 54.02" Right
 Degree of Curvature (Arc): 116° 55' 48.58"
 Length: 63.43
 Tangent: 37.03
 Chord: 59.09
 Middle Ordinate: 9.91
 External: 12.42
 Tangent Direction: N 78° 57' 20.37" W
 Radial Direction: N 11° 02' 39.63" E
 Chord Direction: N 41° 52' 23.36" W
 Radial Direction: N 85° 12' 33.65" E
 Tangent Direction: N 4° 47' 26.35" W

Element: Linear
 PT (32) 508+15.03 85494.1145 1621947.5005
 POE (26) 508+15.71 85494.7957 1621947.4434
 Tangent Direction: N 4° 47' 26.35" W
 Tangent Length: 0.68

PROJECT NAME: GUILFORD
 PROJECT NUMBER: IM-IR 091-1(25)

FILE NAME: D91A222_CLOCK.DGN PLOT DATE: 22-JUL-2013
 PROJECT LEADER: LIBBY DRAWN BY: BEYOR
 DESIGNED BY: BEYOR CHECKED BY: BOMBARDIER
 HORIZONTAL ALIGNMENT SHEET #2 SHEET 8 OF 46