

Horizontal Alignment Review Report

Report Created: Wednesday, August 2, 2023
Time: 10:12:33 AM

Project: Design

Description:

File Name: c:\users\jpenix\appdata\local\bentley\projectwise\workingdir\ohiodot-pw.bentley.com_ohiodot-pw-02\jon.penix@dot.ohio.gov\d0726867\118147_Bel 147 2465_BK003.dgn

Last Revised: 8/2/2023 10:12:18

Note: All units in this report are in feet unless specified otherwise.

Alignment Name: CLX_SV_S147

Alignment Description:

Alignment Style: Alignment\GE_X_Alignment

		<u>Station</u>	<u>Northing</u>	<u>Easting</u>
Element: Circular				
PC	()	1299+93.60 R1	536883.136	191525.975
HPI	()	1300+25.69 R1	536903.813	191550.513
CC	()		536010.080	192261.674
PCC	()	1300+57.76 R1	536923.080	191576.175
Radius:		1141.700		
Delta:		03°13'11.673" Right		
Degree of Curvature (Arc):		05°01'06.460"		
Length:		64.161		
Tangent:		32.089		
Chord:		64.153		
Middle Ordinate:		0.451		
External:		0.451		
Back Tangent Direction:		N49°52'48.511"E		
Back Radial Direction:		S40°07'11.489"E		
Chord Direction:		N51°29'24.347"E		
Ahead Radial Direction:		S36°53'59.816"E		
Ahead Tangent Direction:		N53°06'00.184"E		
Element: Circular				
PCC	()	1300+57.76 R1	536923.080	191576.175
HPI	()	1301+67.28 R1	536988.835	191663.751
CC	()		536522.614	191876.853
PCC	()	1302+73.39 R1	537012.031	191770.781
Radius:		500.780		
Delta:		24°40'16.625" Right		
Degree of Curvature (Arc):		11°26'28.694"		
Length:		215.634		
Tangent:		109.514		

Chord: 213.971
 Middle Ordinate: 11.562
 External: 11.835
 Back Tangent Direction: N53°06'00.184"E
 Back Radial Direction: S36°53'59.816"E
 Chord Direction: N65°26'08.496"E
 Ahead Radial Direction: S12°13'43.191"E
 Ahead Tangent Direction: N77°46'16.809"E

Element: Circular

PCC	()	1302+73.39 R1	537012.031	191770.781
HPI	()	1303+33.46 R1	537024.755	191829.488
CC	()		536005.583	191988.910
PCC	()	1303+93.40 R1	537030.567	191889.276
Radius:		1029.815		
Delta:		06°40'35.935" Right		
Degree of Curvature (Arc):		05°33'49.305"		
Length:		120.004		
Tangent:		60.070		
Chord:		119.936		
Middle Ordinate:		1.748		
External:		1.750		
Back Tangent Direction:		N77°46'16.809"E		
Back Radial Direction:		S12°13'43.191"E		
Chord Direction:		N81°06'34.776"E		
Ahead Radial Direction:		S05°33'07.256"E		
Ahead Tangent Direction:		N84°26'52.744"E		

Element: Circular

PCC	()	1303+93.40 R1	537030.567	191889.276
HPI	()	1304+69.02 R1	537037.883	191964.545
CC	()		536559.432	191935.073
PT	()	1305+43.38 R1	537021.384	192038.346
Radius:		473.356		
Delta:		18°09'13.672" Right		
Degree of Curvature (Arc):		12°06'15.016"		
Length:		149.980		
Tangent:		75.624		
Chord:		149.353		
Middle Ordinate:		5.928		
External:		6.003		
Back Tangent Direction:		N84°26'52.744"E		
Back Radial Direction:		S05°33'07.256"E		
Chord Direction:		S86°28'30.420"E		
Ahead Radial Direction:		S12°36'06.416"W		
Ahead Tangent Direction:		S77°23'53.584"E		