

Horizontal Alignment Review Report

Report Created: Tuesday, February 27, 2024
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Project: Design

Description:

File Name: c:\users\gtobe\appdata\local\bentley\projectwise\workingdir\ohiodot-pw.bentley.com_ohiodot-pw-02\gregory.tobe@dot.ohio.gov\d0329192\114957_BR001.dgn

Last Revised: 2/27/2024 07:57:07

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

Alignment Name: CLX_RW_LOR_252

Alignment Description:

Alignment Style: Alignment\GE_X_Alignment

		<u>Station</u>	<u>Northing</u>	<u>Easting</u>
Element: Circular				
PC	(PC)	178+63.010 R1	299733.082	216334.700
HPI	(HPI)	181+78.012 R1	299987.377	216520.603
CC	(CC)		300296.646	215563.801
PT	(PT)	184+71.547 R1	300302.373	216518.714
	Radius:	954.930		
	Delta:	36°30'43.968" Left		
	Degree of Curvature (Arc):	05°59'59.992"		
	Length:	608.537		
	Tangent:	315.002		
	Chord:	598.292		
	Middle Ordinate:	48.066		
	External:	50.613		
	Back Tangent Direction:	N36°10'06.973"E		
	Back Radial Direction:	S53°49'53.027"E		
	Chord Direction:	N17°54'44.990"E		
	Ahead Radial Direction:	N89°39'23.006"E		
	Ahead Tangent Direction:	N00°20'36.994"W		
Element: Linear				
PT	(PT)	184+71.547 R1	300302.373	216518.714
PC	(PC)	191+94.010 R1	301024.823	216514.381
	Tangential Direction:	N00°20'37.000"W		
	Tangential Length:	722.463		
Element: Circular				
PC	(PC)	191+94.010 R1	301024.823	216514.381

HPI	(HPI)	192+49.333 R1	301080.145	216514.049
CC	(CC)		301029.735	217333.386
PT	(PT)	193+04.488 R1	301135.009	216521.160
	Radius:	819.020		
	Delta:	07°43'43.036" Right		
Degree of Curvature (Arc):		06°59'44.343"		
	Length:	110.478		
	Tangent:	55.323		
	Chord:	110.394		
	Middle Ordinate:	1.862		
	External:	1.866		
Back Tangent Direction:		N00°20'37.000"W		
Back Radial Direction:		N89°39'23.000"E		
Chord Direction:		N03°31'14.518"E		
Ahead Radial Direction:		S82°36'53.964"E		
Ahead Tangent Direction:		N07°23'06.036"E		
Element: Linear				
PT	(PT)	193+04.488 R1	301135.009	216521.160
PC	(PC)	202+30.151 R1	302052.994	216640.141
Tangential Direction:		N07°23'06.036"E		
Tangential Length:		925.663		
Element: Circular				
PC	(PC)	202+30.151 R1	302052.994	216640.141
HPI	(HPI)	203+08.370 R1	302130.563	216650.195
CC	(CC)		301868.841	218060.947
PT	(PT)	203+86.433 R1	302206.578	216668.634
	Radius:	1432.690		
	Delta:	06°15'00.000" Right		
Degree of Curvature (Arc):		03°59'57.030"		
	Length:	156.282		
	Tangent:	78.219		
	Chord:	156.205		
	Middle Ordinate:	2.130		
	External:	2.134		
Back Tangent Direction:		N07°23'06.036"E		
Back Radial Direction:		S82°36'53.964"E		
Chord Direction:		N10°30'36.036"E		
Ahead Radial Direction:		S76°21'53.964"E		
Ahead Tangent Direction:		N13°38'06.036"E		
Element: Linear				
PT	(PT)	203+86.433 R1	302206.578	216668.634
POT	(POT)	207+73.773 R1	302583.002	216759.944
Tangential Direction:		N13°38'06.036"E		
Tangential Length:		387.340		