

Horizontal Alignment Review Report

Report Created: Thursday, March 16, 2023
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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\d0674206\117779_CAR_164_1200_BK002.dgn

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

Alignment Name: CL_EXRW_SR164

Alignment Description:

Alignment Style: Alignment\RW_X_Centerline

		<u>Station</u>	<u>Northing</u>	<u>Easting</u>
Element: Circular				
PC	()	251+96.97 R1	438073.502	225684.068
HPI	()	253+22.08 R1	438091.312	225807.903
CC	()		439491.309	225480.159
PT	()	254+46.55 R1	438130.321	225926.774
Radius:		1432.394		
Delta:		09°59'00.000" Left		
Degree of Curvature (Arc):		04°00'00.000"		
Length:		249.583		
Tangent:		125.108		
Chord:		249.268		
Middle Ordinate:		5.433		
External:		5.453		
Back Tangent Direction:		N81°48'57.010"E		
Back Radial Direction:		S08°11'02.990"E		
Chord Direction:		N76°49'27.010"E		
Ahead Radial Direction:		S18°10'02.990"E		
Ahead Tangent Direction:		N71°49'57.010"E		
Element: Linear				
PT	()	254+46.55 R1	438130.321	225926.774
PC	()	257+59.63 R1	438227.938	226224.247
Tangential Direction:		N71°49'57.010"E		
Tangential Length:		313.080		
Element: Circular				
PC	()	257+59.63 R1	438227.938	226224.247
HPI	()	258+48.22 R1	438255.558	226308.417
CC	()		439135.263	225926.504

PT	()	259+36.30 R1	438298.191	226386.070
	Radius:	954.930		
	Delta:	10°36'00.000" Left		
	Degree of Curvature (Arc):	06°00'00.000"		
	Length:	176.667		
	Tangent:	88.586		
	Chord:	176.415		
	Middle Ordinate:	4.083		
	External:	4.100		
	Back Tangent Direction:	N71°49'57.010"E		
	Back Radial Direction:	S18°10'02.990"E		
	Chord Direction:	N66°31'57.010"E		
	Ahead Radial Direction:	S28°46'02.990"E		
	Ahead Tangent Direction:	N61°13'57.010"E		