

Horizontal Alignment Review Report

Report Created: Wednesday, January 4, 2023
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Project: Design

Description:

File Name: c:\users\btieben\appdata\local\bentley\projectwise\workingdir\ohiodot-pw.bentley.com_ohiodot-pw-02\brett.tieben@dot.ohio.gov\d0326599\115000_HUR-061-21.96_BR003.dgn

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

Alignment Name: CLX_061

Alignment Description:

Alignment Style: Alignment\GE_X_Alignment

		Station	Northing	Easting
Element: Linear				
POT	()	1149+63.570 R1	316909.868	171631.539
HPI	()	1159+48.800 R1	317593.921	172340.587
Tangential Direction:		N46°01'40.468"E		
Tangential Length:		985.230		
Element: Linear				
HPI	()	1159+48.800 R1	317593.921	172340.587
HPI	()	1159+78.952 R1	317614.848	172362.295
Tangential Direction:		N46°02'53.197"E		
Tangential Length:		30.153		
Element: Linear				
HPI	()	1159+78.952 R1	317614.848	172362.295
PC	()	1167+27.432 R1	318134.647	172900.840
Tangential Direction:		N46°00'53.197"E		
Tangential Length:		748.480		
Element: Circular				
PC	()	1167+27.432 R1	318134.647	172900.840
HPI	()	1170+45.847 R1	318355.778	173129.946
CC	()		309889.565	180858.915
PT	()	1173+64.099 R1	318563.845	173370.978
Radius:		11459.160		
Delta:		03°11'00.000" Right		
Degree of Curvature (Arc):		00°29'59.999"		
Length:		636.667		
Tangent:		318.415		
Chord:		636.585		

Middle Ordinate: 4.421
 External: 4.423
 Back Tangent Direction: N46°00'53.197"E
 Back Radial Direction: S43°59'06.803"E
 Chord Direction: N47°36'23.197"E
 Ahead Radial Direction: S40°48'06.803"E
 Ahead Tangent Direction: N49°11'53.197"E

Element: Linear

PT	()	1173+64.099 R1	318563.845	173370.978
PC	()	1180+54.069 R1	319014.703	173893.267
Tangential Direction:		N49°11'53.197"E		
Tangential Length:		689.970		

Element: Circular

PC	()	1180+54.069 R1	319014.703	173893.267
HPI	()	1182+54.168 R1	319145.457	174044.737
CC	()		331561.425	163062.505
PT	()	1184+54.247 R1	319279.829	174193.006
Radius:		16574.850		
Delta:		01°23'00.000" Left		
Degree of Curvature (Arc):		00°20'44.444"		
Length:		400.179		
Tangent:		200.099		
Chord:		400.169		
Middle Ordinate:		1.208		
External:		1.208		
Back Tangent Direction:		N49°11'53.197"E		
Back Radial Direction:		S40°48'06.803"E		
Chord Direction:		N48°30'23.197"E		
Ahead Radial Direction:		S42°11'06.803"E		
Ahead Tangent Direction:		N47°48'53.197"E		

Element: Linear

PT	()	1184+54.247 R1	319279.829	174193.006
POT	()	1190+96.917 R1	319711.401	174669.210
Tangential Direction:		N47°48'53.197"E		
Tangential Length:		642.670		