

# Horizontal Alignment Review Report

Report Created: Monday, May 8, 2023  
Time: 9:38:22 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 2588\_BK001.dgn

**Last Revised:** 5/8/2023 09:34:25

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

**Alignment Name:** CL\_EXRW\_SR147

**Alignment Description:**

**Alignment Style:** Alignment\RW\_X\_Centerline

		<u>Station</u>	<u>Northing</u>	<u>Easting</u>
Element: Linear				
POT	( )	1363+82.40	537310.747	197507.351
PC	( )	1364+45.16	537371.994	197521.053
Tangential Direction:		N12°36'39.971"E		
Tangential Length:		62.762		
Element: Circular				
PC	( )	1364+45.16	537371.994	197521.053
HPI	( )	1365+55.21	537479.390	197545.081
CC	( )		537330.979	197704.376
PT	( )	1366+44.26	537510.946	197650.510
Radius:		187.855		
Delta:		60°43'33.000" Right		
Degree of Curvature (Arc):		30°30'00.000"		
Length:		199.101		
Tangent:		110.051		
Chord:		189.912		
Middle Ordinate:		25.766		
External:		29.862		
Back Tangent Direction:		N12°36'39.971"E		
Back Radial Direction:		S77°23'20.029"E		
Chord Direction:		N42°58'26.471"E		
Ahead Radial Direction:		S16°39'47.029"E		
Ahead Tangent Direction:		N73°20'12.971"E		
Element: Linear				
PT	( )	1366+44.26	537510.946	197650.510
PC	( )	1367+91.18	537553.074	197791.260
Tangential Direction:		N73°20'12.971"E		

Tangential Length:		146.919		
Element: Circular				
PC	( )	1367+91.18	537553.074	197791.260
HPI	( )	1368+54.33	537571.181	197851.755
CC	( )		539748.666	197134.093
PT	( )	1369+17.44	537592.591	197911.161
Radius:		2291.831		
Delta:		03°09'23.475" Left		
Degree of Curvature (Arc):		02°30'00.000"		
Length:		126.261		
Tangent:		63.146		
Chord:		126.245		
Middle Ordinate:		0.869		
External:		0.870		
Back Tangent Direction:		N73°20'12.971"E		
Back Radial Direction:		S16°39'47.029"E		
Chord Direction:		N71°45'31.233"E		
Ahead Radial Direction:		S19°49'10.504"E		
Ahead Tangent Direction:		N70°10'49.496"E		
Element: Linear				
PT	( )	1369+17.44	537592.591	197911.161
PC	( )	1370+95.45	537652.945	198078.621
Tangential Direction:		N70°10'49.496"E		
Tangential Length:		178.005		
Element: Circular				
PC	( )	1370+95.45	537652.945	198078.621
HPI	( )	1371+44.50	537669.576	198124.764
CC	( )		536979.172	198321.455
PT	( )	1371+93.39	537679.760	198172.743
Radius:		716.197		
Delta:		07°50'07.718" Right		
Degree of Curvature (Arc):		08°00'00.000"		
Length:		97.943		
Tangent:		49.048		
Chord:		97.867		
Middle Ordinate:		1.674		
External:		1.678		
Back Tangent Direction:		N70°10'49.496"E		
Back Radial Direction:		S19°49'10.504"E		
Chord Direction:		N74°05'53.354"E		
Ahead Radial Direction:		S11°59'02.787"E		
Ahead Tangent Direction:		N78°00'57.213"E		
Element: Linear				
PT	( )	1371+93.39	537679.760	198172.743

POT	( )	1372+12.78	537683.785	198191.705
Tangential Direction:		N78°00'57.213"E		
Tangential Length:		19.384		