Horizontal Alignment Review Report

Report Created: Thursday, August 28, 2025
Time: 12:08:18 PM

Project: Design
Description:
File Name: c:\users\jmille21\appdata\local\bentley\projectwise\workingdir\ohiodot-pw.bentley.com_ohiodot-pw-02\jeffery.miller@dot.ohio.gov\d1370616\96757_FB001.dgn
Last Revised: 8/28/2025 12:05:14

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

Alignment Name: BLX_U006_96757-SAN-6-19.09
Alignment Description:
Alignment Style: Alignment\GE_X_Alignment

		Station	Northing	Easting
Element: Linear				
POT	(REF27A)	986+75.19 R1	314131.943	167361.575
HPI	(REF28A)	1003+15.51 R1	315122.210	168669.249
Tangential Direction:		N52°51'51.53"E		
Tangential Length:		1640.32		
Element: Linear				
HPI	(REF28A)	1003+15.51 R1	315122.210	168669.249
HPI	(REF28B)	1019+58.38 R1	316113.057	169979.691
Tangential Direction:		N52°54'23.28"E		
Tangential Length:		1642.87		
Element: Linear				
HPI	(Scratch2) REF28B	1019+58.38 R1	316113.057	169979.691
HPI	(REF29)	1052+30.40 R1	318071.973	172600.522
Tangential Direction:		N53°13'26.62"E		
Tangential Length:		3272.02		
Element: Linear				
HPI	(REF29)	1052+30.40 R1	318071.973	172600.522
HPI	(Scratch5) REF30A	1074+74.99 R1	319408.695	174403.669
Tangential Direction:		N53°26'58.03"E		
Tangential Length:		2244.59		
Element: Linear				
HPI	(REF30A)	1074+74.99 R1	319408.695	174403.669
HPI	(Scratch3) REF30B	1089+80.21 R1	320337.202	175588.396
Tangential Direction:		N51°54'47.19"E		
Tangential Length:		1505.23		
Element: Linear				
HPI	(REF30B)	1089+80.21 R1	320337.202	175588.396
HPI	(REF30C)	1127+16.93 R1	322612.310	178552.677
Tangential Direction:		N52°29'36.56"E		

Tangential Length:		3736.72		
Element: Linear				
HPI	(Scratch3) REF30C	1127+16.93 R1	322612.310	178552.677
HPI	(REF31)	1148+16.76 R1	323869.892	180234.273
Tangential Direction:		N53°12'32.45"E		
Tangential Length:		2099.83		
Element: Linear				
HPI	(Scratch7) REF31	1148+16.76 R1	323869.892	180234.273
HPI	(REF32A)	1159+25.39 R1	324531.046	181124.177
Tangential Direction:		N53°23'22.22"E		
Tangential Length:		1108.63		
Element: Linear				
HPI	(HPI) REF32A	1159+25.39 R1	324531.046	181124.177
PC	(PC)	1175+28.74 R1	325471.277	182422.909
Tangential Direction:		N54°05'49.02"E		
Tangential Length:		1603.35		
Element: Circular				
PC	(PC)	1175+28.74 R1	325471.277	182422.909
HPI	(HPI) REF33	1181+23.54 R1	325820.080	182904.708
CC	(CC)		324159.278	183372.744
PT	(PT)	1186+68.82 R1	325774.178	183497.740
Radius:		1619.73		
Delta:		40°19'44.54" Right		
Degree of Curvature (Arc):		03°32'14.52"		
Length:		1140.09		
Tangent:		594.81		
Chord:		1116.70		
Middle Ordinate:		99.28		
External:		105.76		
Back Tangent Direction:		N54°05'49.02"E		
Back Radial Direction:		S35°54'10.98"E		
Chord Direction:		N74°15'41.29"E		
Ahead Radial Direction:		S04°25'33.56"W		
Ahead Tangent Direction:		S85°34'26.44"E		
Element: Linear				
PT	(PT)	1186+68.82 R1	325774.178	183497.740
PC	(PC)	1197+07.81 R1	325693.998	184533.629
Tangential Direction:		S85°34'26.44"E		
Tangential Length:		1038.99		
Element: Circular				
PC	(PC)	1197+07.81 R1	325693.998	184533.629
HPI	(HPI) REF35	1200+39.57 R1	325668.396	184864.397
CC	(CC)		327168.199	184647.735
PT	(PT)	1203+60.52 R1	325786.564	185174.396
Radius:		1478.61		
Delta:		25°17'31.92" Left		

Degree of Curvature (Arc):		03°52'29.91"		
Length:		652.71		
Tangent:		331.76		
Chord:		647.42		
Middle Ordinate:		35.87		
External:		36.76		
Back Tangent Direction:		S85°34'26.44"E		
Back Radial Direction:		S04°25'33.56"W		
Chord Direction:		N81°46'47.60"E		
Ahead Radial Direction:		S20°51'58.36"E		
Ahead Tangent Direction:		N69°08'01.64"E		

Element: Linear

PT	(PT)		1203+60.52 R1	325786.564	185174.396
HPI	(HPI)	REF36A	1236+40.76 R1	326954.944	188239.504
Tangential Direction:			N69°08'01.64"E		
Tangential Length:			3280.24		

Element: Linear

HPI	(Scratch14)	REF36A	1236+40.76 R1	326954.944	188239.504
POT	(REF37A)		1241+67.50 R1	327143.073	188731.505
Tangential Direction:			N69°04'27.78"E		
Tangential Length:			526.74		