

Horizontal Alignment Review Report

Report Created: Tuesday, February 13, 2024
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Project: Design

Description:

File Name: c:\users\jmlle21\appdata\local\bentley\projectwise\workingdir\ohiodot-pw.bentley.com_ohiodot-pw-02\jeffery.miller@dot.ohio.gov\d0881229\119896_BK001.dgn

Last Revised: 2/13/2024 06:43:47

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

Alignment Name: CLXRW_S19_119896-SAN-19-2.72

Alignment Description:

Alignment Style: Alignment\RW_X_Centerline

		<u>Station</u>	<u>Northing</u>	<u>Easting</u>
Element: Linear				
SEC20SW	POT (POT)	10379.236 R1	286252.296	177157.114
	HPI (HPI)	11616.000 R1	287489.009	177168.307
	Tangential Direction:	N0.519°E		
	Tangential Length:	1236.764		
Element: Linear				
REF6	HPI (HPI)	11616.000 R1	287489.009	177168.307
	PC (PC)	12608.557 R1	288481.526	177177.224
	Tangential Direction:	N0.515°E		
	Tangential Length:	992.557		
Element: Circular				
REF6A	PC (PC)	12608.557 R1	288481.526	177177.224
	HPI (HPI)	12755.718 R1	288628.680	177178.607
	CC (CC)		288477.038	177654.813
REF7	PT (PT)	12894.061 R1	288749.538	177262.569
	Radius:	477.610		
	Delta:	34.250° Right		
	Degree of Curvature (Arc):	11.996°		
	Length:	285.504		
	Tangent:	147.161		
	Chord:	281.272		
	Middle Ordinate:	21.175		
	External:	22.158		
	Back Tangent Direction:	N0.538°E		
	Back Radial Direction:	S89.462°E		

Chord Direction: N17.663°E
 Ahead Radial Direction: S55.212°E
 Ahead Tangent Direction: N34.788°E

Element: Linear

PT	(PT)	12894.061 R1	288749.538	177262.569
PC	(PC)	13286.104 R1	289071.561	177486.172
Tangential Direction:		N34.775°E		
Tangential Length:		392.042		

Element: Circular

PC	(PC)	13286.104 R1	289071.561	177486.172
REF7A HPI	(HPI)	13384.491 R1	289152.376	177542.288
CC	(CC)		289234.956	177250.858
PT	(PT)	13475.647 R1	289250.616	177536.910
Radius:		286.480		
Delta:		37.908° Left		
Degree of Curvature (Arc):		20.000°		
Length:		189.543		
Tangent:		98.387		
Chord:		186.105		
Middle Ordinate:		15.533		
External:		16.424		
Back Tangent Direction:		N34.775°E		
Back Radial Direction:		S55.225°E		
Chord Direction:		N15.821°E		
Ahead Radial Direction:		N86.867°E		
Ahead Tangent Direction:		N3.133°W		

Element: Linear

PT	(PT)	13475.647 R1	289250.616	177536.910
PC	(PC)	13623.605 R1	289398.352	177528.822
Tangential Direction:		N3.133°W		
Tangential Length:		147.958		

Element: Circular

PC	(PC)	13623.605 R1	289398.352	177528.822
REF7B HPI	(HPI)	13654.032 R1	289428.734	177527.159
CC	(CC)		289387.912	177338.118
PT	(PT)	13683.952 R1	289457.095	177516.137
Radius:		190.990		
Delta:		18.104° Left		
Degree of Curvature (Arc):		29.999°		
Length:		60.347		
Tangent:		30.427		
Chord:		60.096		
Middle Ordinate:		2.379		

External: 2.409
 Back Tangent Direction: N3.133°W
 Back Radial Direction: N86.867°E
 Chord Direction: N12.185°W
 Ahead Radial Direction: N68.763°E
 Ahead Tangent Direction: N21.237°W

Element: Linear

PT	(PT)	13683.952 R1	289457.095	177516.137
PC	(PC)	14147.512 R1	289889.174	177348.222
Tangential Direction:		N21.237°W		
Tangential Length:		463.560		

Element: Circular

PC	(PC)	14147.512 R1	289889.174	177348.222
REF7C HPI	(HPI)	14271.127 R1	290004.394	177303.445
CC	(CC)		290148.603	178015.784
PT	(PT)	14392.329 R1	290127.957	177299.882
Radius:		716.200		
Delta:		19.585° Right		
Degree of Curvature (Arc):		8.000°		
Length:		244.817		
Tangent:		123.615		
Chord:		243.627		
Middle Ordinate:		10.435		
External:		10.590		
Back Tangent Direction:		N21.237°W		
Back Radial Direction:		N68.763°E		
Chord Direction:		N11.445°W		
Ahead Radial Direction:		N88.348°E		
Ahead Tangent Direction:		N1.652°W		

Element: Linear

PT	(PT)	14392.329 R1	290127.957	177299.882
SEC20NW POT	(POT)	15733.716 R1	291468.786	177261.213
Tangential Direction:		N1.652°W		
Tangential Length:		1341.386		