

Horizontal Alignment Review Report

Report Created: Wednesday, March 15, 2023

Time: 10:59:10 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\d0674206\117779_CAR_164_1732_BK001.dgn

Last Revised: 3/15/2023 10:53:17

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

		Station	Northing	Easting
Element: Linear				
POT	()	586+32.89 R1	443366.462	251908.216
PC	()	587+38.00 R1	443444.221	251978.938
Tangential Direction:		N42°17'11.382"E		
Tangential Length:		105.110		
Element: Circular				
PC	()	587+38.00 R1	443444.221	251978.938
HPI	()	590+24.67 R1	443656.300	252171.824
CC	()		440552.912	255157.951
PT	()	593+10.50 R1	443840.877	252391.171
Radius:		4297.183		
Delta:		07°38'00.000" Right		
Degree of Curvature (Arc):		01°20'00.000"		
Length:		572.500		
Tangent:		286.674		
Chord:		572.077		
Middle Ordinate:		9.531		
External:		9.552		
Back Tangent Direction:		N42°17'11.382"E		
Back Radial Direction:		S47°42'48.618"E		
Chord Direction:		N46°06'11.382"E		
Ahead Radial Direction:		S40°04'48.618"E		
Ahead Tangent Direction:		N49°55'11.382"E		
Element: Linear				
PT	()	593+10.50 R1	443840.877	252391.171
PC	()	595+01.00 R1	443963.533	252536.931
Tangential Direction:		N49°55'11.382"E		

Tangential Length:		190.500		
Element: Circular				
PC	()	595+01.00 R1	443963.533	252536.931
HPI	()	596+36.10 R1	444050.518	252640.302
CC	()		441771.556	254381.451
PT	()	597+71.00 R1	444127.389	252751.400
Radius:		2864.789		
Delta:		05°24'00.000" Right		
Degree of Curvature (Arc):		02°00'00.000"		
Length:		270.000		
Tangent:		135.100		
Chord:		269.900		
Middle Ordinate:		3.180		
External:		3.184		
Back Tangent Direction:		N49°55'11.382"E		
Back Radial Direction:		S40°04'48.618"E		
Chord Direction:		N52°37'11.382"E		
Ahead Radial Direction:		S34°40'48.618"E		
Ahead Tangent Direction:		N55°19'11.382"E		
Element: Linear				
PT	()	597+71.00 R1	444127.389	252751.400
PC	()	597+79.88 R1	444132.442	252758.702
Tangential Direction:		N55°19'11.382"E		
Tangential Length:		8.880		
Element: Circular				
PC	()	597+79.88 R1	444132.442	252758.702
HPI	()	598+95.44 R1	444198.194	252853.732
CC	()		444917.720	252215.352
PT	()	600+09.88 R1	444284.717	252930.333
Radius:		954.930		
Delta:		13°48'00.000" Left		
Degree of Curvature (Arc):		06°00'00.000"		
Length:		230.000		
Tangent:		115.559		
Chord:		229.444		
Middle Ordinate:		6.916		
External:		6.967		
Back Tangent Direction:		N55°19'11.382"E		
Back Radial Direction:		S34°40'48.618"E		
Chord Direction:		N48°25'11.382"E		
Ahead Radial Direction:		S48°28'48.618"E		
Ahead Tangent Direction:		N41°31'11.382"E		