

Horizontal Alignment Review Report

Report Created: 2/24/2022
Time: 2:30pm

Project: Alternative3
Description: Alternative3
File Name: M:\Projects\21D287\Design\InRoads\Alternative3.alg
Last Revised: cleach 2/24/2022 2:13:54 PM
Input Grid Factor: 1.00000000 **Note:** All units in this report are in feet unless specified otherwise.

Alignment Name: Alternative3
Alignment Description: Alternative3
Alignment Style: Default

		<u>Station</u>	<u>Northing</u>	<u>Easting</u>
Element: Linear				
POB	(1)	47+29.11	558983.3424	1402771.0256
PC	(2)	47+74.18	558962.7353	1402811.1075
Tangential Direction:		S 62°47'28.21" E		
Tangential Length:		45.07		
Element: Circular				
PC	(2)	47+74.18	558962.7353	1402811.1075
PI	()	49+33.92	558889.6961	1402953.1725
CC	(5)		557539.7818	1402079.5315
PT	(6)	50+92.60	558790.0116	1403077.9931
Radius:		1600.00		
Delta:		11°24'10.15" Right		
Degree of Curvature (Arc):		3°34'51.55"		
Length:		318.43		
Tangent:		159.74		
Chord:		317.90		
Middle Ordinate:		7.91		
External:		7.95		
Tangent Direction:		S 62°47'28.21" E		
Radial Direction:		S 27°12'31.79" W		
Chord Direction:		S 57°05'23.13" E		
Radial Direction:		S 38°36'41.94" W		
Tangent Direction:		S 51°23'18.06" E		
Element: Linear				
PT	(6)	50+92.60	558790.0116	1403077.9931
PC	(3)	52+71.49	558678.3791	1403217.7744
Tangential Direction:		S 51°23'18.06" E		
Tangential Length:		178.89		
Element: Circular				

PC	(3)	52+71.49	558678.3791	1403217.7744
PI	()	54+12.65	558590.2870	1403328.0794
CC	(7)		559010.4714	1403482.9908
PT	(8)	55+44.07	558585.6962	1403469.1693
	Radius:	425.00		
	Delta:	36°44'52.80" Left		
	Degree of Curvature (Arc):	13°28'52.90"		
	Length:	272.58		
	Tangent:	141.16		
	Chord:	267.94		
	Middle Ordinate:	21.67		
	External:	22.83		
	Tangent Direction:	S 51°23'18.06" E		
	Radial Direction:	S 38°36'41.94" W		
	Chord Direction:	S 69°45'44.46" E		
	Radial Direction:	S 1°51'49.14" W		
	Tangent Direction:	S 88°08'10.86" E		
Element: Linear				
PT	(8)	55+44.07	558585.6962	1403469.1693
POE	(4)	55+82.45	558584.4481	1403507.5270
	Tangential Direction:	S 88°08'10.86" E		
	Tangential Length:	38.38		