

Describe Alignment Report

Wisconsin DOT Report

Created by

dottzb

Created on

11/27/2019

Alignment: Ali-USH 12_1080-19-00

Description:

Layer: P_ALI-Base

Tangent	N	300831.342	E	823588.578	Station	85+38.59
	Distance	7441.403'	Bearing	N 0° 40' 15.76 E"		
Arc	PC N	308272.234	E	823675.729	Station	159+79.99
	CC N	308003.592	E	846612.112		
	PI N	308872.33	E	823682.758	Station	165+80.13
	TAN	600.137'				
	DB	N 0° 40' 15.76 E'''				
	DA	N 3° 40' 6.51 E'''				
	LChord Distance	1199.863'	Bearing	N 2° 10' 11.14 E"		
	External Distance	7.849'				
	Middle Ordinate	7.847'				
	Radius	22937.956'				
	DEG	0° 14' 59.23'''				
	DELTA	2° 59' 50.75'''				
	LENGTH	1200.000'				
	PT N	309471.237	E	823721.156	Station	171+79.99
Tangent	N	309471.237	E	823721.156	Station	171+79.99
	Distance	3215.326'	Bearing	N 3° 40' 6.51 E"		
Arc	PC N	312679.975	E	823926.883	Station	203+95.32
	CC N	312863.274	E	821067.968		
	PI N	314141.907	E	824020.614	Station	218+60.25
	TAN	1464.933'				
	DB	N 3° 40' 6.51 E'''				
	DA	N 50° 29' 53.49 W'''				
	LChord Distance	2608.593'	Bearing	N 23° 24' 53.49 W"		
	External Distance	352.826'				
	Middle Ordinate	314.137'				
	Radius	2864.785'				
	DEG	2° 0' 0.01'''				
	DELTA	54° 10' 0'''				
	LENGTH	2708.330'				
	PT N	315073.755	E	822890.265	Station	231+03.65
Tangent	N	315073.755	E	822890.265	Station	231+03.65
	Distance	4091.961'	Bearing	N 50° 29' 53.49 W"		
Arc	PC N	317676.662	E	819732.89	Station	271+95.61
	CC N	323571.306	E	824592.373		
	PI N	318083.3	E	819239.63	Station	278+34.88
	TAN	639.266'				
	DB	N 50° 29' 53.49 W'''				
	DA	N 40° 55' 53.49 W'''				
	LChord Distance	1274.079'	Bearing	N 45° 42' 53.49 W"		
	External Distance	26.700'				
	Middle Ordinate	26.607'				
	Radius	7639.464'				
	DEG	0° 44' 59.99'''				
	DELTA	9° 34' 0'''				
	LENGTH	1275.560'				
	PT N	318566.261	E	818820.81	Station	284+71.17

Tangent	N	318566.261 E	818820.81	Station	284+71.17
	Distance	7980.947'	Bearing	N 40° 55' 53.49 W"	
Arc	PC N	324595.812 E	813592.04	Station	364+52.12
	CC N	319589.646 E	807819.185		
	PI N	325256.796 E	813018.841	Station	373+27.02
	TAN	874.904'			
	DB	N 40° 55' 53.49 W'''			
	DA	N 53° 59' 42.73 W'''			
	LChord Distance	1738.449'	Bearing	N 47° 27' 48.11 W"	
	External Distance	49.925'			
	Middle Ordinate	49.600'			
	Radius	7641.174'			
	DEG	0° 44' 59.39'''			
	DELTA	13° 3' 49.25'''			
	LENGTH	1742.220'			
	PT N	325771.11 E	812311.073	Station	381+94.34
Tangent	N	325771.11 E	812311.073	Station	381+94.34
	Distance	12936.946'	Bearing	N 53° 59' 42.73 W"	
Arc	PC N	333376.133 E	801845.5	Station	511+31.28
	CC N	340331.444 E	806899.719		
	PI N	334358.176 E	800494.071	Station	528+01.84
	TAN	1670.559'			
	DB	N 53° 59' 42.73 W'''			
	DA	N 32° 0' 13.99 W'''			
	LChord Distance	3279.781'	Bearing	N 42° 59' 58.36 W"	
	External Distance	160.793'			
	Middle Ordinate	157.841'			
	Radius	8597.760'			
	DEG	0° 39' 59.05'''			
	DELTA	21° 59' 28.74'''			
	LENGTH	3300.000'			
	PT N	335774.83 E	799608.714	Station	544+31.28
Tangent	N	335774.83 E	799608.714	Station	544+31.28
	Distance	8440.879'	Bearing	N 32° 0' 13.99 W"	
End	N	342932.798 E	795135.244	Station	628+72.16

Alignment Length = 54333.57'