

* BENTLEY HORIZONTAL ALIGNMENT REVIEW

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 * Alignment name: US Route 2
 * Alignment description:
 * Alignment style: Default
 * Input Factor: 1.00000000
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	STATION	NORTHING	EASTING
Element: Linear			
POB(1)	30+00.00	671665.3689	1572290.7668
PC(2)	32+55.01	671454.4747	1572434.1413
Tangential Direction:	S 34°12'34.10" E		
Tangential Length:	255.01		
Element: Circular			
PC(2)	32+55.01	671454.4747	1572434.1413
PI()	32+92.75	671423.2704	1572455.3553
CC(1218)		671595.0298	1572640.8882
PT(16)	33+29.91	671399.7171	1572484.8339
Radius:	250.00		
Delta:	17°09'56.73" Left		
Degree of Curvature(Arc):	22°55'05.92"		
Length:	74.90		
Tangent:	37.73		
Chord:	74.62		
Middle Ordinate:	2.80		
External:	2.83		
Tangent Direction:	S 34°12'34.10" E		
Radial Direction:	S 55°47'25.90" W		
Chord Direction:	S 42°47'32.46" E		
Radial Direction:	S 38°37'29.17" W		
Tangent Direction:	S 51°22'30.83" E		
Element: Linear			
PT(16)	33+29.91	671399.7171	1572484.8339
PI(3)	34+67.55	671313.8026	1572592.3617
Tangential Direction:	S 51°22'30.83" E		
Tangential Length:	137.64		
Element: Linear			
PI(3)	34+67.55	671313.8026	1572592.3617
PC(4)	35+43.79	671237.5600	1572591.9418
Tangential Direction:	S 0°18'55.93" W		
Tangential Length:	76.24		
Element: Circular			
PC(4)	35+43.79	671237.5600	1572591.9418
PI()	35+86.29	671195.0609	1572591.7078
CC(17)		671236.1832	1572841.9380
PT(18)	36+27.99	671154.8719	1572605.5306
Radius:	250.00		
Delta:	19°17'45.46" Left		
Degree of Curvature(Arc):	22°55'05.92"		
Length:	84.19		
Tangent:	42.50		
Chord:	83.80		
Middle Ordinate:	3.54		
External:	3.59		
Tangent Direction:	S 0°18'55.93" W		
Radial Direction:	N 89°41'04.07" W		
Chord Direction:	S 9°19'56.81" E		
Radial Direction:	S 71°01'10.46" W		
Tangent Direction:	S 18°58'49.54" E		

Element: Linear			
PT(	18)	36+27.99	671154.8719
PC(	5)	37+18.25	671069.5142
Tangential Direction:		S 18°58'49.54" E	1572605.5306
Tangential Length:		90.27	1572634.8890
Element: Circular			
PC(	5)	37+18.25	671069.5142
PI(	)	38+19.74	670973.5490
CC(	19)		671325.3194
PT(	20)	39+20.10	670889.1052
Radius:		786.50	1572724.1810
Delta:		14°42'16.60" Left	
Degree of Curvature(Arc):		7°17'05.66"	
Length:		201.85	
Tangent:		101.48	
Chord:		201.30	
Middle Ordinate:		6.47	
External:		6.52	
Tangent Direction:		S 18°58'49.54" E	
Radial Direction:		S 71°01'10.46" W	
Chord Direction:		S 26°19'57.83" E	
Radial Direction:		S 56°18'53.87" W	
Tangent Direction:		S 33°41'06.13" E	
Element: Linear			
PT(	20)	39+20.10	670889.1052
PC(	6)	40+67.26	670766.6580
Tangential Direction:		S 33°41'06.13" E	1572805.7969
Tangential Length:		147.15	
Element: Circular			
PC(	6)	40+67.26	670766.6580
PI(	)	40+98.45	670740.7063
CC(	21)		669934.7173
PT(	22)	41+29.63	670714.0580
Radius:		1500.00	1572839.2990
Delta:		2°22'56.15" Right	
Degree of Curvature(Arc):		3°49'10.99"	
Length:		62.37	
Tangent:		31.19	
Chord:		62.36	
Middle Ordinate:		0.32	
External:		0.32	
Tangent Direction:		S 33°41'06.13" E	
Radial Direction:		S 56°18'53.87" W	
Chord Direction:		S 32°29'38.06" E	
Radial Direction:		S 58°41'50.02" W	
Tangent Direction:		S 31°18'09.98" E	
Element: Linear			
PT(	22)	41+29.63	670714.0580
PC(	7)	45+65.57	670341.5717
Tangential Direction:		S 31°18'09.98" E	1572839.2990
Tangential Length:		435.95	1573065.7988
Element: Circular			
PC(	7)	45+65.57	670341.5717
PI(	)	47+20.53	670209.1723
CC(	23)		672326.2927
PT(	24)	48+75.31	670083.7288
Radius:		3820.00	1573237.2758

Delta:	4°38'44.82"	Left		
Degree of Curvature(Arc):	1°29'59.60"			
Length:	309.74			
Tangent:	154.96			
Chord:	309.66			
Middle Ordinate:	3.14			
External:	3.14			
Tangent Direction:	S 31°18'09.98"	E		
Radial Direction:	S 58°41'50.02"	W		
Chord Direction:	S 33°37'32.39"	E		
Radial Direction:	S 54°03'05.20"	W		
Tangent Direction:	S 35°56'54.80"	E		
Element: Linear				
PT(24)	48+75.31		670083.7288	1573237.2758
PI(8)	60+00.00		669173.2450	1573897.5328
Tangential Direction:	S 35°56'54.80"	E		
Tangential Length:	1124.69			
Element: Linear				
PI(8)	60+00.00		669173.2450	1573897.5328
PI(879)	62+00.01		669012.4020	1574016.4251
Tangential Direction:	S 36°28'16.19"	E		
Tangential Length:	200.01			
Element: Linear				
PI(879)	62+00.01		669012.4020	1574016.4251
PI(863)	64+68.47		668794.5668	1574173.3251
Tangential Direction:	S 35°45'50.53"	E		
Tangential Length:	268.46			
Element: Linear				
PI(863)	64+68.47		668794.5668	1574173.3251
PI(47)	66+83.44		668618.9613	1574297.3093
Tangential Direction:	S 35°13'24.82"	E		
Tangential Length:	214.96			
Element: Linear				
PI(47)	66+83.44		668618.9613	1574297.3093
PI(9)	70+38.42		668330.9058	1574504.7617
Tangential Direction:	S 35°45'38.72"	E		
Tangential Length:	354.98			
Element: Linear				
PI(9)	70+38.42		668330.9058	1574504.7617
PC(1227)	74+53.26		667994.0015	1574746.8170
Tangential Direction:	S 35°41'45.88"	E		
Tangential Length:	414.84			
Element: Circular				
PC(1227)	74+53.26		667994.0015	1574746.8170
PI()	75+18.39		667941.1134	1574784.8155
CC(25)			664650.9205	1570093.7557
PT(26)	75+83.50		667887.3752	1574821.6020
Radius:	5729.50			
Delta:	1°18'08.73"	Right		
Degree of Curvature(Arc):	1°00'00.05"			
Length:	130.24			
Tangent:	65.12			
Chord:	130.24			
Middle Ordinate:	0.37			
External:	0.37			
Tangent Direction:	S 35°41'45.88"	E		

Radial Direction: S 54°18'14.12" W
 Chord Direction: S 35°02'41.52" E
 Radial Direction: S 55°36'22.85" W
 Tangent Direction: S 34°23'37.15" E

Element: Linear

PT(	26)	75+83.50	667887.3752	1574821.6020
PC(	11)	80+09.61	667535.7640	1575062.2981
Tangential Direction:		S 34°23'37.15" E		
Tangential Length:		426.10		

Element: Circular

PC(	11)	80+09.61	667535.7640	1575062.2981
PI(	)	80+75.99	667480.9841	1575099.7977
CC(	27)		667846.4456	1575516.1449
PT(	1228)	81+41.74	667436.7000	1575149.2545
Radius:		550.00		
Delta:		13°45'53.13" Left		
Degree of Curvature(Arc):		10°25'02.69"		
Length:		132.13		
Tangent:		66.39		
Chord:		131.81		
Middle Ordinate:		3.96		
External:		3.99		
Tangent Direction:		S 34°23'37.15" E		
Radial Direction:		S 55°36'22.85" W		
Chord Direction:		S 41°16'33.71" E		
Radial Direction:		S 41°50'29.72" W		
Tangent Direction:		S 48°09'30.28" E		

Element: Linear

PT(	1228)	81+41.74	667436.7000	1575149.2545
PC(	1229)	85+22.52	667182.6917	1575432.9326
Tangential Direction:		S 48°09'30.28" E		
Tangential Length:		380.78		

Element: Circular

PC(	1229)	85+22.52	667182.6917	1575432.9326
PI(	)	85+56.71	667159.8878	1575458.4003
CC(	29)		671451.1233	1579254.9297
PT(	30)	85+90.89	667137.3893	1575484.1382
Radius:		5729.50		
Delta:		0°41'01.33" Left		
Degree of Curvature(Arc):		1°00'00.05"		
Length:		68.37		
Tangent:		34.19		
Chord:		68.37		
Middle Ordinate:		0.10		
External:		0.10		
Tangent Direction:		S 48°09'30.28" E		
Radial Direction:		S 41°50'29.72" W		
Chord Direction:		S 48°30'00.94" E		
Radial Direction:		S 41°09'28.39" W		
Tangent Direction:		S 48°50'31.61" E		

Element: Linear

PT(	30)	85+90.89	667137.3893	1575484.1382
PI(	13)	88+82.96	666945.1653	1575704.0398
Tangential Direction:		S 48°50'31.61" E		
Tangential Length:		292.07		

Element: Linear

PI(13)	88+82.96	666945.1653	1575704.0398
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POE (1230)	91+00.00	666800.2006	1575865.5651
Tangential Direction:		S 48°05'34.28" E		
Tangential Length:		217.04		