

tyczenie_oś_odc_2.txt

Project Name: Rokitno
Description:
Horizontal Alignment Name: odc_2
Description:
Style: Geom_plan

	STATION	NORTHING	EASTING
Element: Linear			
POCZĄTEK ()	4+450.00	5859174.7950	5545112.1050
PL ()	4+505.28	5859215.8209	5545149.1622
Tangent Direction:	46.77		
Tangent Length:	55.28		
Element: Circular			
PL ()	4+505.28	5859215.8209	5545149.1622
W ()	4+518.68	5859225.7634	5545158.1428
CC ()		5859276.1480	5545082.3742
KL ()	4+531.88	5859237.8905	5545163.8380
Radius:	90.00		
Design Speed(kmph):	30.00		
Superelevation:	2.00%		
Delta:	18.82	Left	
Degree of Curvature(Arc):	70.74		
Length:	26.60		
Tangent:	13.40		
Chord:	26.50		
Middle Ordinate:	0.98		
External:	0.99		
Tangent Direction:	46.77		
Radial Direction:	146.77		
Chord Direction:	37.36		
Radial Direction:	127.95		
Tangent Direction:	27.95		
Element: Linear			
KL ()	4+531.88	5859237.8905	5545163.8380
PL ()	4+591.17	5859291.5561	5545189.0408
Tangent Direction:	27.95		
Tangent Length:	59.29		
Element: Circular			
PL ()	4+591.17	5859291.5561	5545189.0408
W ()	4+610.45	5859309.0010	5545197.2334
CC ()		5859227.7936	5545324.8139
KL ()	4+629.51	5859323.8083	5545209.5699
Radius:	150.00		
Design Speed(kmph):	30.00		
Superelevation:	RC		
Delta:	16.27	Right	
Degree of Curvature(Arc):	42.44		
Length:	38.34		
Tangent:	19.27		
Chord:	38.23		
Middle Ordinate:	1.22		
External:	1.23		
Tangent Direction:	27.95		
Radial Direction:	127.95		
Chord Direction:	36.09		
Radial Direction:	144.22		
Tangent Direction:	44.22		
Element: Linear			
KL ()	4+629.51	5859323.8083	5545209.5699
PL ()	4+685.27	5859366.6499	5545245.2631
Tangent Direction:	44.22		
Tangent Length:	55.76		
Element: Circular			

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PŁ ()		4+685.27	5859366.6499	5545245.2631
W ()		4+721.13	5859394.1988	5545268.2153
CC ()			5859411.4568	5545191.4826
KŁ ()		4+751.55	5859428.9221	5545259.2688
Radius:		70.00		
Design Speed(kmph):		30.00		
Superelevation:		2.00%		
Delta:		60.27	Left	
Degree of Curvature(Arc):		90.95		
Length:		66.28		
Tangent:		35.86		
Chord:		63.83		
Middle Ordinate:		7.70		
External:		8.65		
Tangent Direction:		44.22		
Radial Direction:		144.22		
Chord Direction:		14.08		
Radial Direction:		83.95		
Tangent Direction:		383.95		
Element: Linear				
KŁ ()		4+751.55	5859428.9221	5545259.2688
W ()		4+771.01	5859447.7672	5545254.4133
Tangent Direction:		383.95		
Tangent Length:		19.46		
Element: Linear				
W ()		4+771.01	5859447.7672	5545254.4133
W ()		4+833.70	5859508.1571	5545237.5831
Tangent Direction:		382.70		
Tangent Length:		62.69		
Element: Linear				
W ()		4+833.70	5859508.1571	5545237.5831
PŁ ()		4+854.29	5859528.0062	5545232.0947
Tangent Direction:		382.83		
Tangent Length:		20.59		
Element: Circular				
PŁ ()		4+854.29	5859528.0062	5545232.0947
W ()		4+888.57	5859561.0428	5545222.9598
CC ()			5859567.9821	5545376.6696
KŁ ()		4+921.69	5859594.7682	5545229.0807
Radius:		150.00		
Design Speed(kmph):		30.00		
Superelevation:		RC		
Delta:		28.60	Right	
Degree of Curvature(Arc):		42.44		
Length:		67.40		
Tangent:		34.28		
Chord:		66.83		
Middle Ordinate:		3.77		
External:		3.87		
Tangent Direction:		382.83		
Radial Direction:		82.83		
Chord Direction:		397.13		
Radial Direction:		111.43		
Tangent Direction:		11.43		
Element: Linear				
KŁ ()		4+921.69	5859594.7682	5545229.0807
W ()		4+925.88	5859598.8931	5545229.8293
Tangent Direction:		11.43		
Tangent Length:		4.19		
Element: Linear				
W ()		4+925.88	5859598.8931	5545229.8293
PŁ ()		4+961.97	5859634.4055	5545236.2745

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Tangent Direction: 11.43
Tangent Length: 36.09

Element: Circular

PL ()	4+961.97	5859634.4055	5545236.2745
W (	)	4+978.17	5859650.3428	5545239.1670
CC (	)		5859618.3339	5545324.8279
KŁ (	)	4+994.03	5859664.2716	5545247.4345
Radius:		90.00		
Design Speed(kmph):		30.00		
Superelevation:		2.00%		
Delta:		22.67	Right	
Degree of Curvature(Arc):		70.74		
Length:		32.05		
Tangent:		16.20		
Chord:		31.88		
Middle Ordinate:		1.42		
External:		1.45		
Tangent Direction:		11.43		
Radial Direction:		111.43		
Chord Direction:		22.77		
Radial Direction:		134.10		
Tangent Direction:		34.10		

Element: Linear

KŁ (	)	4+994.03	5859664.2716	5545247.4345
PL (	)	5+011.50	5859679.3009	5545256.3553
Tangent Direction:		34.10		
Tangent Length:		17.48		

Element: Circular

PL (	)	5+011.50	5859679.3009	5545256.3553
W (	)	5+036.13	5859700.4779	5545268.9252
CC (	)		5859567.0087	5545445.5390
KŁ (	)	5+060.55	5859718.3515	5545285.8664
Radius:		220.00		
Design Speed(kmph):		30.00		
Superelevation:		NC		
Delta:		14.19	Right	
Degree of Curvature(Arc):		28.94		
Length:		49.05		
Tangent:		24.63		
Chord:		48.95		
Middle Ordinate:		1.37		
External:		1.37		
Tangent Direction:		34.10		
Radial Direction:		134.10		
Chord Direction:		41.20		
Radial Direction:		148.30		
Tangent Direction:		48.30		

Element: Linear

KŁ (	)	5+060.55	5859718.3515	5545285.8664
PL (	)	5+119.55	5859761.1710	5545326.4520
Tangent Direction:		48.30		
Tangent Length:		59.00		

Element: Circular

PL (	)	5+119.55	5859761.1710	5545326.4520
W (	)	5+144.79	5859779.4909	5545343.8162
CC (	)		5859898.7553	5545181.2950
KŁ (	)	5+169.77	5859801.5507	5545356.0842
Radius:		200.00		
Design Speed(kmph):		30.00		
Superelevation:		NC		
Delta:		15.98	Left	
Degree of Curvature(Arc):		31.83		
Length:		50.22		

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Tangent: 25.24
 Chord: 50.09
 Middle Ordinate: 1.57
 External: 1.59
 Tangent Direction: 48.30
 Radial Direction: 148.30
 Chord Direction: 40.30
 Radial Direction: 132.31
 Tangent Direction: 32.31

Element: Linear

KŁ () 5+169.77 5859801.5507 5545356.0842
 PŁ () 5+192.93 5859821.7943 5545367.3422
 Tangent Direction: 32.31
 Tangent Length: 23.16

Element: Circular

PŁ () 5+192.93 5859821.7943 5545367.3422
 W () 5+222.36 5859847.5133 5545381.6452
 CC () 5859724.5897 5545542.1314
 KŁ () 5+251.37 5859868.0222 5545402.7502
 Radius: 200.00
 Design Speed(kmph): 30.00
 Superelevation: NC
 Delta: 18.60 Right
 Degree of Curvature(Arc): 31.83
 Length: 58.44
 Tangent: 29.43
 Chord: 58.23
 Middle Ordinate: 2.13
 External: 2.15
 Tangent Direction: 32.31
 Radial Direction: 132.31
 Chord Direction: 41.61
 Radial Direction: 150.91
 Tangent Direction: 50.91

Element: Linear

KŁ () 5+251.37 5859868.0222 5545402.7502
 PŁ () 5+257.26 5859872.1302 5545406.9777
 Tangent Direction: 50.91
 Tangent Length: 5.89

Element: Circular

PŁ () 5+257.26 5859872.1302 5545406.9777
 W () 5+267.98 5859879.5973 5545414.6617
 CC () 5859786.0707 5545490.6064
 KŁ () 5+278.64 5859885.5849 5545423.5472
 Radius: 120.00
 Design Speed(kmph): 30.00
 Superelevation: RC
 Delta: 11.34 Right
 Degree of Curvature(Arc): 53.05
 Length: 21.37
 Tangent: 10.71
 Chord: 21.34
 Middle Ordinate: 0.48
 External: 0.48
 Tangent Direction: 50.91
 Radial Direction: 150.91
 Chord Direction: 56.58
 Radial Direction: 162.25
 Tangent Direction: 62.25

Element: Linear

KŁ () 5+278.64 5859885.5849 5545423.5472
 PŁ () 5+316.89 5859906.9605 5545455.2681
 Tangent Direction: 62.25

Tangent Length: 38.25

Element: Circular
 PL () 5+316.89 5859906.9605 5545455.2681
 W () 5+328.73 5859913.5783 5545465.0887
 CC () 5859989.8890 5545399.3854
 KL () 5+340.46 5859922.3069 5545473.0920
 Radius: 100.00
 Design Speed(kmph): 30.00
 Superelevation: 2.00%
 Delta: 15.01 Left
 Degree of Curvature(Arc): 63.66
 Length: 23.57
 Tangent: 11.84
 Chord: 23.52
 Middle Ordinate: 0.69
 External: 0.70
 Tangent Direction: 62.25
 Radial Direction: 162.25
 Chord Direction: 54.75
 Radial Direction: 147.24
 Tangent Direction: 47.24

Element: Linear
 KL () 5+340.46 5859922.3069 5545473.0920
 PL () 5+422.57 5859982.8250 5545528.5815
 Tangent Direction: 47.24
 Tangent Length: 82.11

Element: Circular
 PL () 5+422.57 5859982.8250 5545528.5815
 W () 5+435.17 5859992.1100 5545537.0950
 CC () 5860185.5713 5545307.4618
 KL () 5+447.75 5860002.0761 5545544.8001
 Radius: 300.00
 Design Speed(kmph): 30.00
 Superelevation: NC
 Delta: 5.34 Left
 Degree of Curvature(Arc): 21.22
 Length: 25.18
 Tangent: 12.60
 Chord: 25.17
 Middle Ordinate: 0.26
 External: 0.26
 Tangent Direction: 47.24
 Radial Direction: 147.24
 Chord Direction: 44.57
 Radial Direction: 141.90
 Tangent Direction: 41.90

Element: Linear
 KL () 5+447.75 5860002.0761 5545544.8001
 PL () 5+480.62 5860028.0836 5545564.9076
 Tangent Direction: 41.90
 Tangent Length: 32.87

Element: Circular
 PL () 5+480.62 5860028.0836 5545564.9076
 W () 5+501.19 5860044.3526 5545577.4857
 CC () 5859966.9186 5545644.0204
 KL () 5+521.18 5860054.3381 5545595.4629
 Radius: 100.00
 Design Speed(kmph): 30.00
 Superelevation: 2.00%
 Delta: 25.82 Right
 Degree of Curvature(Arc): 63.66
 Length: 40.56
 Tangent: 20.56

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Chord: 40.29
 Middle Ordinate: 2.05
 External: 2.09
 Tangent Direction: 41.90
 Radial Direction: 141.90
 Chord Direction: 54.81
 Radial Direction: 167.72
 Tangent Direction: 67.72

Element: Linear
 KL () 5+521.18 5860054.3381 5545595.4629
 PL () 5+538.37 5860062.6827 5545610.4859
 Tangent Direction: 67.72
 Tangent Length: 17.19

Element: Circular
 PL () 5+538.37 5860062.6827 5545610.4859
 W () 5+580.26 5860083.0237 5545647.1064
 CC () 5860132.6183 5545571.6399
 KL () 5+615.55 5860124.7089 5545651.2480
 Radius: 80.00
 Design Speed(kmph): 30.00
 Superelevation: 2.00%
 Delta: 61.42 Left
 Degree of Curvature(Arc): 79.58
 Length: 77.18
 Tangent: 41.89
 Chord: 74.22
 Middle Ordinate: 9.13
 External: 10.30
 Tangent Direction: 67.72
 Radial Direction: 167.72
 Chord Direction: 37.01
 Radial Direction: 106.30
 Tangent Direction: 6.30

Element: Linear
 KL () 5+615.55 5860124.7089 5545651.2480
 PL () 5+657.65 5860166.6075 5545655.4108
 Tangent Direction: 6.30
 Tangent Length: 42.10

Element: Circular
 PL () 5+657.65 5860166.6075 5545655.4108
 W () 5+680.62 5860189.4613 5545657.6814
 CC () 5860161.6641 5545705.1658
 KL () 5+700.71 5860202.6292 5545676.4977
 Radius: 50.00
 Design Speed(kmph): 30.00
 Superelevation: 2.00%
 Delta: 54.82 Right
 Degree of Curvature(Arc): 127.32
 Length: 43.06
 Tangent: 22.97
 Chord: 41.74
 Middle Ordinate: 4.56
 External: 5.02
 Tangent Direction: 6.30
 Radial Direction: 106.30
 Chord Direction: 33.72
 Radial Direction: 161.13
 Tangent Direction: 61.13

Element: Linear
 KL () 5+700.71 5860202.6292 5545676.4977
 W () 5+720.75 5860214.1157 5545692.9113
 Tangent Direction: 61.13
 Tangent Length: 20.03

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Element: Linear			
W (5+720.75	5860214.1157	5545692.9113
W (5+776.92	5860246.7855	5545738.6121
Tangent Direction:	60.49		
Tangent Length:	56.18		
Element: Linear			
W (	5+776.92	5860246.7855	5545738.6121
W (	5+820.53	5860273.3265	5545773.2063
Tangent Direction:	58.34		
Tangent Length:	43.60		
Element: Linear			
W (	5+820.53	5860273.3265	5545773.2063
W (	5+877.71	5860307.6647	5545818.9333
Tangent Direction:	59.00		
Tangent Length:	57.18		
Element: Linear			
W (	5+877.71	5860307.6647	5545818.9333
W (	5+911.51	5860327.6712	5545846.1815
Tangent Direction:	59.68		
Tangent Length:	33.80		
Element: Linear			
W (	5+911.51	5860327.6712	5545846.1815
W (	5+955.82	5860352.1500	5545883.1067
Tangent Direction:	62.73		
Tangent Length:	44.30		
Element: Linear			
W (	5+955.82	5860352.1500	5545883.1067
KONIEC (	5+971.20	5860359.2788	5545896.7370
Tangent Direction:	69.32		
Tangent Length:	15.38		

Project Name: tyczenie_niweleta_odc_2.txt
 Description: Rokitno
 Horizontal Alignment Name: odc_2
 Description:
 Style: Geom_plan
 Vertical Alignment Name: niw_2
 Description:
 Style: Geom_plan

		STATION	ELEVATION
Element: Linear			
	POCZĄTEK	4+450.00	45.786
	WP	4+480.70	46.737
	Tangent Grade:	3.10	
	Tangent Length:	30.70	
Element: Linear			
	WP	4+480.70	46.737
	WP	4+547.45	48.540
	Tangent Grade:	2.70	
	Tangent Length:	66.75	
Element: Linear			
	WP	4+547.45	48.540
	WP	4+610.34	50.552
	Tangent Grade:	3.20	
	Tangent Length:	62.89	
Element: Linear			
	WP	4+610.34	50.552
	WP	4+651.83	51.838
	Tangent Grade:	3.10	
	Tangent Length:	41.49	
Element: Linear			
	WP	4+651.83	51.838
	WP	4+699.72	53.658
	Tangent Grade:	3.80	
	Tangent Length:	47.89	
Element: Linear			
	WP	4+699.72	53.658
	WP	4+724.42	54.695
	Tangent Grade:	4.20	
	Tangent Length:	24.70	
Element: Linear			
	WP	4+724.42	54.695
	WP	4+748.15	55.455
	Tangent Grade:	3.20	
	Tangent Length:	23.73	
Element: Linear			
	WP	4+748.15	55.455
	WP	4+805.62	57.581
	Tangent Grade:	3.70	
	Tangent Length:	57.47	
Element: Linear			
	WP	4+805.62	57.581
	WP	4+837.54	58.698
	Tangent Grade:	3.50	
	Tangent Length:	31.93	
Element: Linear			
	WP	4+837.54	58.698
	WP	4+876.76	59.914
	Tangent Grade:	3.10	

Tangent Length: 39.22

Element: Linear

WP	4+876.76	59.914
WP	4+911.70	60.928
Tangent Grade:	2.90	
Tangent Length:	34.95	

Element: Linear

WP	4+911.70	60.928
WP	4+951.43	62.080
Tangent Grade:	2.90	
Tangent Length:	39.73	

Element: Linear

WP	4+951.43	62.080
WP	4+994.03	63.400
Tangent Grade:	3.10	
Tangent Length:	42.59	

Element: Linear

WP	4+994.03	63.400
WP	5+043.12	64.922
Tangent Grade:	3.10	
Tangent Length:	49.10	

Element: Linear

WP	5+043.12	64.922
WP	5+100.13	66.803
Tangent Grade:	3.30	
Tangent Length:	57.00	

Element: Linear

WP	5+100.13	66.803
WP	5+125.46	67.614
Tangent Grade:	3.20	
Tangent Length:	25.33	

Element: Linear

WP	5+125.46	67.614
WP	5+156.41	68.883
Tangent Grade:	4.10	
Tangent Length:	30.95	

Element: Linear

WP	5+156.41	68.883
WP	5+203.16	70.472
Tangent Grade:	3.40	
Tangent Length:	46.75	

Element: Linear

WP	5+203.16	70.472
WP	5+251.56	72.021
Tangent Grade:	3.20	
Tangent Length:	48.40	

Element: Linear

WP	5+251.56	72.021
WP	5+305.96	73.708
Tangent Grade:	3.10	
Tangent Length:	54.40	

Element: Linear

WP	5+305.96	73.708
WP	5+341.54	74.775
Tangent Grade:	3.00	
Tangent Length:	35.58	

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Element: Linear			
	WP	5+341.54	74.775
	WP	5+377.52	76.106
	Tangent Grade:	3.70	
	Tangent Length:	35.99	
Element: Linear			
	WP	5+377.52	76.106
	WP	5+417.13	77.334
	Tangent Grade:	3.10	
	Tangent Length:	39.60	
Element: Linear			
	WP	5+417.13	77.334
	WP	5+447.11	78.354
	Tangent Grade:	3.40	
	Tangent Length:	29.99	
Element: Linear			
	WP	5+447.11	78.354
	WP	5+495.83	80.010
	Tangent Grade:	3.40	
	Tangent Length:	48.72	
Element: Linear			
	WP	5+495.83	80.010
	WP	5+544.65	81.963
	Tangent Grade:	4.00	
	Tangent Length:	48.82	
Element: Linear			
	WP	5+544.65	81.963
	WP	5+611.06	84.818
	Tangent Grade:	4.30	
	Tangent Length:	66.41	
Element: Linear			
	WP	5+611.06	84.818
	WP	5+677.44	88.336
	Tangent Grade:	5.30	
	Tangent Length:	66.37	
Element: Linear			
	WP	5+677.44	88.336
	WP	5+721.04	90.255
	Tangent Grade:	4.40	
	Tangent Length:	43.60	
Element: Linear			
	WP	5+721.04	90.255
	WP	5+752.44	91.982
	Tangent Grade:	5.50	
	Tangent Length:	31.41	
Element: Linear			
	WP	5+752.44	91.982
	WP	5+807.19	95.157
	Tangent Grade:	5.80	
	Tangent Length:	54.74	
Element: Linear			
	WP	5+807.19	95.157
	WP	5+840.32	96.715
	Tangent Grade:	4.70	
	Tangent Length:	33.13	
Element: Linear			
	WP	5+840.32	96.715

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	WP	5+881.69	98.576
	Tangent Grade:	4.50	
	Tangent Length:	41.37	
Element: Linear			
	WP	5+881.69	98.576
	WP	5+923.10	100.398
	Tangent Grade:	4.40	
	Tangent Length:	41.41	
Element: Linear			
	WP	5+923.10	100.398
	PŁP	5+937.95	101.096
	Tangent Grade:	4.70	
	Tangent Length:	14.85	
Element: Parabola			
	PŁP	5+937.95	101.096
	WP	5+953.55	101.829
	KŁP	5+969.15	101.751
	MAX	5+966.15	101.759
	Length:	31.20	
Stopping Sight Distance:		69.29	
Entrance Grade:		4.70	
Exit Grade:		-0.50	
$r = (g_2 - g_1) / L:$		-16.67	
$K = 1 / (g_2 - g_1):$		6.00	
Middle Ordinate:		-0.20	
Element: Linear			
	KŁP	5+969.15	101.751
	KONIEC	5+971.20	101.741
	Tangent Grade:	-0.50	
	Tangent Length:	2.05	

tyczenie_odc_2_kr_L.txt

Project Name: Rokitno
Description:
Horizontal Alignment Name: odc2_kr_L
Description:
Style: Default

	STATION	NORTHING	EASTING
Element: Linear			
POCZĄTEK ()	0+000.00	5859175.1539	5545108.9565
W ()	0+021.83	5859190.9623	5545124.0132
Tangent Direction:	48.45		
Tangent Length:	21.83		
Element: Linear			
W ()	0+021.83	5859190.9623	5545124.0132
PL ()	0+057.14	5859217.1615	5545147.6780
Tangent Direction:	46.77		
Tangent Length:	35.30		
Element: Circular			
PL ()	0+057.14	5859217.1615	5545147.6780
W ()	0+070.24	5859226.8830	5545156.4591
CC ()		5859276.1480	5545082.3742
KL ()	0+083.15	5859238.7407	5545162.0277
Radius:	88.00		
Delta:	18.82	Left	
Degree of Curvature(Arc):	72.34		
Length:	26.01		
Tangent:	13.10		
Chord:	25.91		
Middle Ordinate:	0.96		
External:	0.97		
Tangent Direction:	46.77		
Radial Direction:	146.77		
Chord Direction:	37.36		
Radial Direction:	127.95		
Tangent Direction:	27.95		
Element: Linear			
KL ()	0+083.15	5859238.7407	5545162.0277
PL ()	0+142.43	5859292.4063	5545187.2304
Tangent Direction:	27.95		
Tangent Length:	59.29		
Element: Circular			
PL ()	0+142.43	5859292.4063	5545187.2304
W ()	0+161.96	5859310.0838	5545195.5323
CC ()		5859227.7936	5545324.8139
KL ()	0+181.28	5859325.0885	5545208.0333
Radius:	152.00		
Delta:	16.27	Right	
Degree of Curvature(Arc):	41.88		
Length:	38.85		
Tangent:	19.53		
Chord:	38.74		
Middle Ordinate:	1.24		
External:	1.25		
Tangent Direction:	27.95		
Radial Direction:	127.95		
Chord Direction:	36.09		
Radial Direction:	144.22		
Tangent Direction:	44.22		
Element: Linear			
KL ()	0+181.28	5859325.0885	5545208.0333
W ()	0+216.48	5859352.1290	5545230.5619
Tangent Direction:	44.22		
Tangent Length:	35.20		

tyczenie_odc_2_kr_L.txt

Element: Linear
W () 0+216.48 5859352.1290 5545230.5619
PL () 0+237.08 5859368.7302 5545242.7662
Tangent Direction: 40.36
Tangent Length: 20.60

Non-collinear

Element: Circular
PL () 0+237.08 5859368.7302 5545242.7662
W () 0+271.27 5859395.0001 5545264.6527
CC () 5859411.4568 5545191.4826
KL () 0+300.28 5859428.1112 5545256.1216
Radius: 66.75
Delta: 60.27 Left
Degree of Curvature(Arc): 95.37
Length: 63.20
Tangent: 34.19
Chord: 60.86
Middle Ordinate: 7.34
External: 8.25
Tangent Direction: 44.22
Radial Direction: 144.22
Chord Direction: 14.08
Radial Direction: 83.95
Tangent Direction: 383.95

Non-collinear

Element: Linear
KL () 0+300.28 5859428.1112 5545256.1216
W () 0+319.78 5859447.2681 5545252.4765
Tangent Direction: 388.03
Tangent Length: 19.50

Non-coincident

Element: Linear
W () 0+319.78 5859447.2302 5545252.4867
W () 0+349.13 5859475.5053 5545244.6067
Tangent Direction: 382.70
Tangent Length: 29.35

Element: Linear
W () 0+349.13 5859475.5053 5545244.6067
W () 0+353.13 5859479.3584 5545243.5328
Tangent Direction: 382.70
Tangent Length: 4.00

Element: Linear
W () 0+353.13 5859479.3584 5545243.5328
W () 0+382.49 5859507.6334 5545235.6528
Tangent Direction: 382.70
Tangent Length: 29.35

Non-coincident

Element: Linear
W () 0+382.49 5859507.6262 5545235.6262
PL () 0+403.07 5859527.4732 5545230.1670
Tangent Direction: 382.91
Tangent Length: 20.58

Non-collinear

Element: Circular
PL () 0+403.07 5859527.4732 5545230.1670

	tyczenie_odc_2_kr_L.txt			
W ()	0+437.80	5859560.9503	5545220.9104	
CC ()		5859567.9821	5545376.6696	
KŁ ()	0+471.36	5859595.1253	5545227.1128	
Radius:	152.00			
Delta:	28.60	Right		
Degree of Curvature(Arc):	41.88			
Length:	68.29			
Tangent:	34.73			
Chord:	67.72			
Middle Ordinate:	3.82			
External:	3.92			
Tangent Direction:	382.83			
Radial Direction:	82.83			
Chord Direction:	397.13			
Radial Direction:	111.43			
Tangent Direction:	11.43			
Element: Linear				
KŁ ()	0+471.36	5859595.1253	5545227.1128	
W ()	0+475.56	5859599.2503	5545227.8614	
Tangent Direction:	11.43			
Tangent Length:	4.19			
Element: Linear				
W ()	0+475.56	5859599.2503	5545227.8614	
W ()	0+491.65	5859615.0841	5545230.7352	
Tangent Direction:	11.43			
Tangent Length:	16.09			
Element: Linear				
W ()	0+491.65	5859615.0841	5545230.7352	
PL ()	0+511.67	5859634.9412	5545233.3227	
Tangent Direction:	8.25			
Tangent Length:	20.02			
Non-collinear				
Element: Circular				
PL ()	0+511.67	5859634.9412	5545233.3227	
W ()	0+528.41	5859651.4098	5545236.3116	
CC ()		5859618.3339	5545324.8279	
KŁ ()	0+544.79	5859665.8028	5545244.8548	
Radius:	93.00			
Delta:	22.67	Right		
Degree of Curvature(Arc):	68.45			
Length:	33.12			
Tangent:	16.74			
Chord:	32.95			
Middle Ordinate:	1.47			
External:	1.49			
Tangent Direction:	11.43			
Radial Direction:	111.43			
Chord Direction:	22.77			
Radial Direction:	134.10			
Tangent Direction:	34.10			
Non-collinear				
Element: Linear				
KŁ ()	0+544.79	5859665.8028	5545244.8548	
PL ()	0+562.30	5859680.3217	5545254.6355	
Tangent Direction:	37.74			
Tangent Length:	17.51			
Non-collinear				
Element: Circular				
PL ()	0+562.30	5859680.3217	5545254.6355	

		tyczenie_odc_2_kr_L.txt		
W ()		0+587.15	5859701.6912	5545267.3196
CC ()			5859567.0087	5545445.5390
KŁ ()		0+611.79	5859719.7273	5545284.4148
	Radius:	222.00		
	Delta:	14.19	Right	
Degree of Curvature(Arc):		28.68		
	Length:	49.49		
	Tangent:	24.85		
	Chord:	49.39		
	Middle Ordinate:	1.38		
	External:	1.39		
	Tangent Direction:	34.10		
	Radial Direction:	134.10		
	Chord Direction:	41.20		
	Radial Direction:	148.30		
	Tangent Direction:	48.30		
Element: Linear				
	KŁ ()	0+611.79	5859719.7273	5545284.4148
	PŁ ()	0+670.79	5859762.5468	5545325.0005
	Tangent Direction:	48.30		
	Tangent Length:	59.00		
Element: Circular				
	PŁ ()	0+670.79	5859762.5468	5545325.0005
	W ()	0+695.78	5859780.6836	5545342.1910
	CC ()		5859898.7553	5545181.2950
	KŁ ()	0+720.51	5859802.5227	5545354.3363
	Radius:	198.00		
	Delta:	15.98	Left	
Degree of Curvature(Arc):		32.15		
	Length:	49.72		
	Tangent:	24.99		
	Chord:	49.58		
	Middle Ordinate:	1.56		
	External:	1.57		
	Tangent Direction:	48.30		
	Radial Direction:	148.30		
	Chord Direction:	40.30		
	Radial Direction:	132.31		
	Tangent Direction:	32.31		
Non-collinear				
Element: Linear				
	KŁ ()	0+720.51	5859802.5227	5545354.3363
	PŁ ()	0+743.68	5859823.0094	5545365.1574
	Tangent Direction:	30.94		
	Tangent Length:	23.17		
Non-collinear				
Element: Circular				
	PŁ ()	0+743.68	5859823.0094	5545365.1574
	W ()	0+764.79	5859841.4577	5545375.4169
	CC ()		5859724.5897	5545542.1314
	PCC ()	0+785.74	5859857.3934	5545389.2608
	Radius:	202.50		
	Delta:	13.22	Right	
Degree of Curvature(Arc):		31.44		
	Length:	42.07		
	Tangent:	21.11		
	Chord:	41.99		
	Middle Ordinate:	1.09		
	External:	1.10		
	Tangent Direction:	32.31		
	Radial Direction:	132.31		
	Chord Direction:	38.92		

tyczenie_odc_2_kr_L.txt

Radial Direction: 145.54
Tangent Direction: 45.54

Element: Circular

PCC (	)	0+785.74	5859857.3934	5545389.2608
W (	)	0+794.30	5859863.8524	5545394.8720
CC (	)		5859724.5897	5545542.1314
KŁ (	)	0+802.84	5859869.8151	5545401.0079
Radius:		202.50		
Delta:		5.38	Right	
Degree of Curvature(Arc):		31.44		
Length:		17.10		
Tangent:		8.56		
Chord:		17.10		
Middle Ordinate:		0.18		
External:		0.18		
Tangent Direction:		45.54		
Radial Direction:		145.54		
Chord Direction:		48.22		
Radial Direction:		150.91		
Tangent Direction:		50.91		

Element: Linear

KŁ (	)	0+802.84	5859869.8151	5545401.0079
PL (	)	0+808.74	5859873.9231	5545405.2354
Tangent Direction:		50.91		
Tangent Length:		5.89		

Non-collinear

Element: Circular

PL (	)	0+808.74	5859873.9231	5545405.2354
W (	)	0+809.51	5859874.4463	5545405.7990
CC (	)		5859784.2987	5545488.4241
PCC (	)	0+810.28	5859874.9624	5545406.3692
Radius:		122.28		
Delta:		0.80	Right	
Degree of Curvature(Arc):		52.06		
Length:		1.54		
Tangent:		0.77		
Chord:		1.54		
Middle Ordinate:		0.00		
External:		0.00		
Tangent Direction:		52.37		
Radial Direction:		152.37		
Chord Direction:		52.77		
Radial Direction:		153.17		
Tangent Direction:		53.17		

Element: Circular

PCC (	)	0+810.28	5859874.9624	5545406.3692
W (	)	0+810.78	5859875.2979	5545406.7399
CC (	)		5859784.2987	5545488.4241
PCC (	)	0+811.28	5859875.6303	5545407.1134
Radius:		122.28		
Delta:		0.52	Right	
Degree of Curvature(Arc):		52.06		
Length:		1.00		
Tangent:		0.50		
Chord:		1.00		
Middle Ordinate:		0.00		
External:		0.00		
Tangent Direction:		53.17		
Radial Direction:		153.17		
Chord Direction:		53.43		
Radial Direction:		153.69		
Tangent Direction:		53.69		

tyczenie_odc_2_kr_L.txt

Element: Circular
PCC () 0+811.28 5859875.6303 5545407.1134
W () 0+820.92 5859882.0406 5545414.3137
CC () 5859784.2987 5545488.4241
KŁ () 0+830.52 5859887.2434 5545422.4295
Radius: 122.28
Delta: 10.02 Right
Degree of Curvature(Arc): 52.06
Length: 19.24
Tangent: 9.64
Chord: 19.22
Middle ordinate: 0.38
External: 0.38
Tangent Direction: 53.69
Radial Direction: 153.69
Chord Direction: 58.70
Radial Direction: 163.71
Tangent Direction: 63.71

Non-collinear

Element: Linear
KŁ () 0+830.52 5859887.2434 5545422.4295
PŁ () 0+868.69 5859908.5740 5545454.0835
Tangent Direction: 62.25
Tangent Length: 38.17

Element: Circular
PŁ () 0+868.69 5859908.5740 5545454.0835
W () 0+880.37 5859915.1036 5545463.7733
CC () 5859989.8438 5545399.3184
KŁ () 0+891.95 5859923.7285 5545471.6563
Radius: 98.00
Delta: 15.11 Left
Degree of Curvature(Arc): 64.96
Length: 23.26
Tangent: 11.68
Chord: 23.20
Middle ordinate: 0.69
External: 0.69
Tangent Direction: 62.25
Radial Direction: 162.25
Chord Direction: 54.70
Radial Direction: 147.14
Tangent Direction: 47.14

Non-coincident

Element: Linear
KŁ () 0+891.95 5859923.6585 5545471.6179
W () 0+914.06 5859941.2377 5545485.0229
Tangent Direction: 41.47
Tangent Length: 22.11

Element: Linear
W () 0+914.06 5859941.2377 5545485.0229
W () 0+959.50 5859974.7342 5545515.7361
Tangent Direction: 47.24
Tangent Length: 45.45

Element: Linear
W () 0+959.50 5859974.7342 5545515.7361
W () 0+974.15 5859985.5283 5545525.6332
Tangent Direction: 47.24
Tangent Length: 14.64

Element: Linear
W () 0+974.15 5859985.5283 5545525.6332

	tyczenie_odc_2_kr_L.txt			
W ()	0+999.15	5860003.2994	5545543.2179	
Tangent Direction:	49.66			
Tangent Length:	25.00			
Element: Linear				
W ()	0+999.15	5860003.2994	5545543.2179	
PL ()	1+032.02	5860029.4599	5545563.1275	
Tangent Direction:	41.41			
Tangent Length:	32.88			
Non-collinear				
Element: Circular				
PL ()	1+032.02	5860029.4599	5545563.1275	
W ()	1+053.05	5860046.0949	5545575.9887	
CC ()		5859966.9186	5545644.0204	
KL ()	1+073.50	5860056.3050	5545594.3703	
Radius:	102.25			
Delta:	25.82	Right		
Degree of Curvature(Arc):	62.26			
Length:	41.48			
Tangent:	21.03			
Chord:	41.19			
Middle Ordinate:	2.10			
External:	2.14			
Tangent Direction:	41.90			
Radial Direction:	141.90			
Chord Direction:	54.81			
Radial Direction:	167.72			
Tangent Direction:	67.72			
Non-collinear				
Element: Linear				
KL ()	1+073.50	5860056.3050	5545594.3703	
PL ()	1+090.68	5860064.8682	5545609.2720	
Tangent Direction:	66.80			
Tangent Length:	17.19			
Non-collinear				
Element: Circular				
PL ()	1+090.68	5860064.8682	5545609.2720	
W ()	1+131.27	5860084.5735	5545644.7481	
CC ()		5860132.6183	5545571.6399	
KL ()	1+165.45	5860124.9561	5545648.7603	
Radius:	77.50			
Delta:	61.42	Left		
Degree of Curvature(Arc):	82.14			
Length:	74.77			
Tangent:	40.58			
Chord:	71.90			
Middle Ordinate:	8.84			
External:	9.98			
Tangent Direction:	67.72			
Radial Direction:	167.72			
Chord Direction:	37.01			
Radial Direction:	106.30			
Tangent Direction:	6.30			
Non-coincident				
Element: Linear				
KL ()	1+165.45	5860125.0050	5545648.7651	
PL ()	1+207.52	5860166.9535	5545651.9279	
Tangent Direction:	4.79			
Tangent Length:	42.07			

tyczenie_odc_2_kr_L.txt

Non-collinear

Element: Circular

PŁ ()	1+207.52	5860166.9535	5545651.9279
W ()	1+232.09	5860191.4071	5545654.3575
CC ()		5860161.6641	5545705.1658
KŁ ()	1+253.59	5860205.4968	5545674.4910
Radius:	53.50		
Delta:	54.82	Right	
Degree of Curvature(Arc):	118.99		
Length:	46.07		
Tangent:	24.57		
Chord:	44.66		
Middle Ordinate:	4.88		
External:	5.37		
Tangent Direction:	6.30		
Radial Direction:	106.30		
Chord Direction:	33.72		
Radial Direction:	161.13		
Tangent Direction:	61.13		

Non-collinear

Element: Linear

KŁ ()	1+253.59	5860205.4968	5545674.4910
W ()	1+273.65	5860215.7349	5545691.7372
Tangent Direction:	65.89		
Tangent Length:	20.06		

Element: Linear

W ()	1+273.65	5860215.7349	5545691.7372
W ()	1+329.84	5860248.4125	5545737.4490
Tangent Direction:	60.49		
Tangent Length:	56.19		

Non-coincident

Element: Linear

W ()	1+329.84	5860248.3723	5545737.3947
W ()	1+373.44	5860274.9133	5545771.9889
Tangent Direction:	58.34		
Tangent Length:	43.60		

Non-coincident

Element: Linear

W ()	1+373.44	5860274.9258	5545772.0054
W ()	1+425.47	5860306.1685	5545813.6103
Tangent Direction:	59.00		
Tangent Length:	52.03		

Element: Linear

W ()	1+425.47	5860306.1685	5545813.6103
W ()	1+442.21	5860316.1179	5545827.0669
Tangent Direction:	59.47		
Tangent Length:	16.74		

Element: Linear

W ()	1+442.21	5860316.1179	5545827.0669
W ()	1+464.45	5860329.2833	5545844.9978
Tangent Direction:	59.68		
Tangent Length:	22.25		

Non-coincident

Element: Linear

W ()	1+464.45	5860329.3382	5545845.0764
W ()	1+502.15	5860350.1684	5545876.4980

		tyczenie_odc_2_kr_L.txt		
	Tangent Direction:	62.73		
	Tangent Length:	37.70		
Element:	Linear			
	W (	1+502.15	5860350.1684	5545876.4980
	W (	1+516.17	5860357.2722	5545888.5849
	Tangent Direction:	66.17		
	Tangent Length:	14.02		
Element:	Linear			
	W (	1+516.17	5860357.2722	5545888.5849
	KONIEC (	1+524.95	5860361.3426	5545896.3674
	Tangent Direction:	69.32		
	Tangent Length:	8.78		

Project Name: Rokitno
 Description:
 Horizontal Alignment Name: odc2_kr_P
 Description:
 Style: Default

	STATION	NORTHING	EASTING
Element: Linear			
POCZĄTEK ()	0+000.00	5859171.9701	5545113.0153
W ()	0+021.52	5859188.3130	5545127.0104
Tangent Direction:	45.08		
Tangent Length:	21.52		
Element: Linear			
W ()	0+021.52	5859188.3130	5545127.0104
PL ()	0+056.78	5859214.4803	5545150.6464
Tangent Direction:	46.77		
Tangent Length:	35.26		
Element: Circular			
PL ()	0+056.78	5859214.4803	5545150.6464
W ()	0+070.47	5859224.6437	5545159.8266
CC ()		5859276.1480	5545082.3742
KL ()	0+083.97	5859237.0404	5545165.6483
Radius:	92.00		
Delta:	18.82	Left	
Degree of Curvature(Arc):	69.20		
Length:	27.19		
Tangent:	13.70		
Chord:	27.09		
Middle Ordinate:	1.00		
External:	1.01		
Tangent Direction:	46.77		
Radial Direction:	146.77		
Chord Direction:	37.36		
Radial Direction:	127.95		
Tangent Direction:	27.95		
Element: Linear			
KL ()	0+083.97	5859237.0404	5545165.6483
PL ()	0+143.26	5859290.7059	5545190.8511
Tangent Direction:	27.95		
Tangent Length:	59.29		
Element: Circular			
PL ()	0+143.26	5859290.7059	5545190.8511
W ()	0+162.27	5859307.9183	5545198.9344
CC ()		5859227.7936	5545324.8139
KL ()	0+181.08	5859322.5281	5545211.1065
Radius:	148.00		
Delta:	16.27	Right	
Degree of Curvature(Arc):	43.01		
Length:	37.82		
Tangent:	19.02		
Chord:	37.72		
Middle Ordinate:	1.21		
External:	1.22		
Tangent Direction:	27.95		
Radial Direction:	127.95		
Chord Direction:	36.09		
Radial Direction:	144.22		
Tangent Direction:	44.22		
Element: Linear			
KL ()	0+181.08	5859322.5281	5545211.1065
W ()	0+216.28	5859349.5686	5545233.6351
Tangent Direction:	44.22		
Tangent Length:	35.20		

tyczenie_odc_2_kr_P.txt

Element: Linear
W () 0+216.28 5859349.5686 5545233.6351
PL () 0+236.85 5859365.5297 5545246.6076
Tangent Direction: 43.45
Tangent Length: 20.57

Non-collinear

Element: Circular
PL () 0+236.85 5859365.5297 5545246.6076
W () 0+273.60 5859393.7674 5545270.1336
CC () 5859411.4568 5545191.4826
KL () 0+304.78 5859429.3587 5545260.9634
Radius: 71.75
Delta: 60.27 Left
Degree of Curvature(Arc): 88.73
Length: 67.93
Tangent: 36.75
Chord: 65.42
Middle Ordinate: 7.89
External: 8.87
Tangent Direction: 44.22
Radial Direction: 144.22
Chord Direction: 14.08
Radial Direction: 83.95
Tangent Direction: 383.95

Non-collinear

Element: Linear
KL () 0+304.78 5859429.3587 5545260.9634
W () 0+324.24 5859448.2662 5545256.3500
Tangent Direction: 384.76
Tangent Length: 19.46

Non-coincident

Element: Linear
W () 0+324.24 5859448.3041 5545256.3399
W () 0+353.59 5859476.5791 5545248.4598
Tangent Direction: 382.70
Tangent Length: 29.35

Element: Linear
W () 0+353.59 5859476.5791 5545248.4598
W () 0+357.59 5859480.4323 5545247.3860
Tangent Direction: 382.70
Tangent Length: 4.00

Element: Linear
W () 0+357.59 5859480.4323 5545247.3860
W () 0+386.92 5859508.6808 5545239.5133
Tangent Direction: 382.70
Tangent Length: 29.33

Element: Linear
W () 0+386.92 5859508.6808 5545239.5133
PL () 0+407.52 5859528.5392 5545234.0223
Tangent Direction: 382.83
Tangent Length: 20.60

Non-collinear

Element: Circular
PL () 0+407.52 5859528.5392 5545234.0223
W () 0+441.34 5859561.1353 5545225.0093
CC () 5859567.9821 5545376.6696

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KŁ ()	0+474.02	5859594.4110	5545231.0485	
Radius:	148.00			
Delta:	28.60	Right		
Degree of Curvature(Arc):	43.01			
Length:	66.50			
Tangent:	33.82			
Chord:	65.94			
Middle Ordinate:	3.72			
External:	3.81			
Tangent Direction:	382.83			
Radial Direction:	82.83			
Chord Direction:	397.13			
Radial Direction:	111.43			
Tangent Direction:	11.43			
Element: Linear				
KŁ ()	0+474.02	5859594.4110	5545231.0485	
W ()	0+478.21	5859598.5360	5545231.7972	
Tangent Direction:	11.43			
Tangent Length:	4.19			
Element: Linear				
W ()	0+478.21	5859598.5360	5545231.7972	
W ()	0+494.30	5859614.3698	5545234.6709	
Tangent Direction:	11.43			
Tangent Length:	16.09			
Element: Linear				
W ()	0+494.30	5859614.3698	5545234.6709	
PŁ ()	0+514.30	5859634.0484	5545238.2423	
Tangent Direction:	11.43			
Tangent Length:	20.00			
Element: Circular				
PŁ ()	0+514.30	5859634.0484	5545238.2423	
W ()	0+530.14	5859649.6315	5545241.0705	
CC ()		5859618.3339	5545324.8279	
KŁ ()	0+545.64	5859663.2507	5545249.1544	
Radius:	88.00			
Delta:	22.67	Right		
Degree of Curvature(Arc):	72.34			
Length:	31.34			
Tangent:	15.84			
Chord:	31.17			
Middle Ordinate:	1.39			
External:	1.41			
Tangent Direction:	11.43			
Radial Direction:	111.43			
Chord Direction:	22.77			
Radial Direction:	134.10			
Tangent Direction:	34.10			
Element: Linear				
KŁ ()	0+545.64	5859663.2507	5545249.1544	
PŁ ()	0+563.12	5859678.2800	5545258.0752	
Tangent Direction:	34.10			
Tangent Length:	17.48			
Element: Circular				
PŁ ()	0+563.12	5859678.2800	5545258.0752	
W ()	0+587.52	5859699.2645	5545270.5308	
CC ()		5859567.0087	5545445.5390	
KŁ ()	0+611.72	5859716.9756	5545287.3179	
Radius:	218.00			
Delta:	14.19	Right		
Degree of Curvature(Arc):	29.20			
Length:	48.60			
Tangent:	24.40			

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Chord: 48.50
 Middle Ordinate: 1.35
 External: 1.36
 Tangent Direction: 34.10
 Radial Direction: 134.10
 Chord Direction: 41.20
 Radial Direction: 148.30
 Tangent Direction: 48.30

Element: Linear
 KL () 0+611.72 5859716.9756 5545287.3179
 PL () 0+670.72 5859759.7951 5545327.9036
 Tangent Direction: 48.30
 Tangent Length: 59.00

Element: Circular
 PL () 0+670.72 5859759.7951 5545327.9036
 W () 0+696.22 5859778.2983 5545345.4415
 CC () 5859898.7553 5545181.2950
 KL () 0+721.44 5859800.5786 5545357.8321
 Radius: 202.00
 Delta: 15.98 Left
 Degree of Curvature(Arc): 31.52
 Length: 50.72
 Tangent: 25.49
 Chord: 50.59
 Middle Ordinate: 1.59
 External: 1.60
 Tangent Direction: 48.30
 Radial Direction: 148.30
 Chord Direction: 40.30
 Radial Direction: 132.31
 Tangent Direction: 32.31

Non-collinear

Element: Linear
 KL () 0+721.44 5859800.5786 5545357.8321
 PL () 0+744.61 5859820.5793 5545369.5271
 Tangent Direction: 33.68
 Tangent Length: 23.17

Non-collinear

Element: Circular
 PL () 0+744.61 5859820.5793 5545369.5271
 W () 0+773.67 5859845.9767 5545383.6512
 CC () 5859724.5897 5545542.1314
 KL () 0+802.32 5859866.2293 5545404.4925
 Radius: 197.50
 Delta: 18.60 Right
 Degree of Curvature(Arc): 32.23
 Length: 57.71
 Tangent: 29.06
 Chord: 57.50
 Middle Ordinate: 2.10
 External: 2.13
 Tangent Direction: 32.31
 Radial Direction: 132.31
 Chord Direction: 41.61
 Radial Direction: 150.91
 Tangent Direction: 50.91

Element: Linear
 KL () 0+802.32 5859866.2293 5545404.4925
 PL () 0+808.21 5859870.3373 5545408.7199
 Tangent Direction: 50.91
 Tangent Length: 5.89

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Non-collinear

Element: Circular

PL ()	0+808.21	5859870.3373	5545408.7199
W ()	0+808.89	5859870.8236	5545409.1971
CC ()		5859787.8427	5545492.7886
PCC ()	0+809.58	5859871.3044	5545409.6799
Radius:	117.78		
Delta:	0.74	Right	
Degree of Curvature(Arc):	54.05		
Length:	1.36		
Tangent:	0.68		
Chord:	1.36		
Middle Ordinate:	0.00		
External:	0.00		
Tangent Direction:	49.40		
Radial Direction:	149.40		
Chord Direction:	49.77		
Radial Direction:	150.13		
Tangent Direction:	50.13		

Element: Circular

PCC ()	0+809.58	5859871.3044	5545409.6799
W ()	0+810.08	5859871.6575	5545410.0345
CC ()		5859787.8427	5545492.7886
PCC ()	0+810.58	5859872.0076	5545410.3922
Radius:	117.78		
Delta:	0.54	Right	
Degree of Curvature(Arc):	54.05		
Length:	1.00		
Tangent:	0.50		
Chord:	1.00		
Middle Ordinate:	0.00		
External:	0.00		
Tangent Direction:	50.13		
Radial Direction:	150.13		
Chord Direction:	50.41		
Radial Direction:	150.68		
Tangent Direction:	50.68		

Element: Circular

PCC ()	0+810.58	5859872.0076	5545410.3922
W ()	0+819.90	5859878.5320	5545417.0566
CC ()		5859787.8427	5545492.7886
KL ()	0+829.19	5859883.9263	5545424.6648
Radius:	117.78		
Delta:	10.06	Right	
Degree of Curvature(Arc):	54.05		
Length:	18.61		
Tangent:	9.33		
Chord:	18.59		
Middle Ordinate:	0.37		
External:	0.37		
Tangent Direction:	50.68		
Radial Direction:	150.68		
Chord Direction:	55.71		
Radial Direction:	160.74		
Tangent Direction:	60.74		

Non-collinear

Element: Linear

KL ()	0+829.19	5859883.9263	5545424.6648
PL ()	0+867.36	5859905.2568	5545456.3188
Tangent Direction:	62.25		
Tangent Length:	38.17		

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Element: Circular
 PL () 0+867.36 5859905.2568 5545456.3188
 W () 0+879.52 5859912.0530 5545466.4041
 CC () 5859989.8438 5545399.3184
 KL () 0+891.57 5859921.0299 5545474.6089
 Radius: 102.00
 Delta: 15.11 Left
 Degree of Curvature(Arc): 62.41
 Length: 24.21
 Tangent: 12.16
 Chord: 24.15
 Middle ordinate: 0.72
 External: 0.72
 Tangent Direction: 62.25
 Radial Direction: 162.25
 Chord Direction: 54.70
 Radial Direction: 147.14
 Tangent Direction: 47.14

Non-coincident

Element: Linear
 KL () 0+891.57 5859920.9552 5545474.5661
 W () 0+959.03 5859970.6793 5545520.1585
 Tangent Direction: 47.24
 Tangent Length: 67.46

Element: Linear
 W () 0+959.03 5859970.6793 5545520.1585
 PL () 0+973.68 5859981.4733 5545530.0556
 Tangent Direction: 47.24
 Tangent Length: 14.64

Element: Circular
 PL () 0+973.68 5859981.4733 5545530.0556
 W () 0+986.36 5859990.8203 5545538.6259
 CC () 5860185.5713 5545307.4618
 KL () 0+999.02 5860000.8528 5545546.3824
 Radius: 302.00
 Delta: 5.34 Left
 Degree of Curvature(Arc): 21.08
 Length: 25.35
 Tangent: 12.68
 Chord: 25.34
 Middle ordinate: 0.27
 External: 0.27
 Tangent Direction: 47.24
 Radial Direction: 147.24
 Chord Direction: 44.57
 Radial Direction: 141.90
 Tangent Direction: 41.90

Non-collinear

Element: Linear
 KL () 0+999.02 5860000.8528 5545546.3824
 PL () 1+031.90 5860026.7074 5545566.6876
 Tangent Direction: 42.38
 Tangent Length: 32.88

Non-collinear

Element: Circular
 PL () 1+031.90 5860026.7074 5545566.6876
 W () 1+052.00 5860042.6103 5545578.9827
 CC () 5859966.9186 5545644.0204
 KL () 1+071.55 5860052.3711 5545596.5554
 Radius: 97.75

Delta: 25.82 Right
 Degree of Curvature(Arc): 65.13
 Length: 39.65
 Tangent: 20.10
 Chord: 39.38
 Middle Ordinate: 2.00
 External: 2.05
 Tangent Direction: 41.90
 Radial Direction: 141.90
 Chord Direction: 54.81
 Radial Direction: 167.72
 Tangent Direction: 67.72

Non-collinear

Element: Linear

KŁ ()	1+071.55	5860052.3711	5545596.5554
PL ()	1+088.74	5860060.4972	5545611.6999
Tangent Direction:	68.65		
Tangent Length:	17.19		

Non-collinear

Element: Circular

PL ()	1+088.74	5860060.4972	5545611.6999
W ()	1+131.94	5860081.4738	5545649.4647
CC ()		5860132.6183	5545571.6399
KŁ ()	1+168.33	5860124.4618	5545653.7358
Radius:	82.50		
Delta:	61.42	Left	
Degree of Curvature(Arc):	77.17		
Length:	79.59		
Tangent:	43.20		
Chord:	76.54		
Middle Ordinate:	9.41		
External:	10.63		
Tangent Direction:	67.72		
Radial Direction:	167.72		
Chord Direction:	37.01		
Radial Direction:	106.30		
Tangent Direction:	6.30		

Element: Linear

KŁ ()	1+168.33	5860124.4618	5545653.7358
PL ()	1+210.43	5860166.3603	5545657.8985
Tangent Direction:	6.30		
Tangent Length:	42.10		

Element: Circular

PL ()	1+210.43	5860166.3603	5545657.8985
W ()	1+232.25	5860188.0714	5545660.0556
CC ()		5860161.6641	5545705.1658
KŁ ()	1+251.34	5860200.5810	5545677.9311
Radius:	47.50		
Delta:	54.82	Right	
Degree of Curvature(Arc):	134.03		
Length:	40.91		
Tangent:	21.82		
Chord:	39.65		
Middle Ordinate:	4.34		
External:	4.77		
Tangent Direction:	6.30		
Radial Direction:	106.30		
Chord Direction:	33.72		
Radial Direction:	161.13		
Tangent Direction:	61.13		

Non-collinear

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Element: Linear
 KŁ () 1+251.34 5860200.5810 5545677.9311
 W () 1+271.34 5860212.4575 5545694.0307
 Tangent Direction: 59.54
 Tangent Length: 20.01

Element: Linear
 W () 1+271.34 5860212.4575 5545694.0307
 W () 1+327.57 5860245.1585 5545739.7752
 Tangent Direction: 60.49
 Tangent Length: 56.23

Non-coincident

Element: Linear
 W () 1+327.57 5860245.1987 5545739.8295
 W () 1+371.18 5860271.7398 5545774.4237
 Tangent Direction: 58.34
 Tangent Length: 43.60

Non-coincident

Element: Linear
 W () 1+371.18 5860271.7273 5545774.4073
 W () 1+428.36 5860306.0654 5545820.1342
 Tangent Direction: 59.00
 Tangent Length: 57.18

Non-coincident

Element: Linear
 W () 1+428.36 5860306.0525 5545820.1169
 W () 1+462.17 5860326.0591 5545847.3652
 Tangent Direction: 59.68
 Tangent Length: 33.80

Non-coincident

Element: Linear
 W () 1+462.17 5860326.0042 5545847.2866
 W () 1+506.36 5860350.4258 5545884.1255
 Tangent Direction: 62.73
 Tangent Length: 44.20

Element: Linear
 W () 1+506.36 5860350.4258 5545884.1255
 KONIEC () 1+522.27 5860357.7981 5545898.2212
 Tangent Direction: 69.32
 Tangent Length: 15.91