

Popowo_odc_1_tyczenie_plan.txt

Project Name: Popowo
Description:
Horizontal Alignment Name: plan
Description:
Style: Default

	STATION	NORTHING	EASTING
Element: Linear			
POCZĄTEK ()	0+000.00	5822366.5145	5534931.4622
W ()	0+036.55	5822396.8468	5534911.0618
Tangent Direction:	362.31		
Tangent Length:	36.55		
Element: Linear			
W ()	0+036.55	5822396.8468	5534911.0618
W ()	0+073.49	5822428.1612	5534891.4771
Tangent Direction:	364.42		
Tangent Length:	36.93		
Element: Linear			
W ()	0+073.49	5822428.1612	5534891.4771
W ()	0+109.12	5822458.6980	5534873.1108
Tangent Direction:	365.53		
Tangent Length:	35.63		
Element: Linear			
W ()	0+109.12	5822458.6980	5534873.1108
W ()	0+165.19	5822506.4158	5534843.6752
Tangent Direction:	364.81		
Tangent Length:	56.07		
Element: Linear			
W ()	0+165.19	5822506.4158	5534843.6752
W ()	0+196.22	5822532.5000	5534826.8600
Tangent Direction:	363.55		
Tangent Length:	31.03		
Element: Linear			
W ()	0+196.22	5822532.5000	5534826.8600
W ()	0+226.87	5822558.6383	5534810.8530
Tangent Direction:	365.02		
Tangent Length:	30.65		
Element: Linear			
W ()	0+226.87	5822558.6383	5534810.8530
W ()	0+263.80	5822589.2903	5534790.2555
Tangent Direction:	362.33		
Tangent Length:	36.93		
Element: Linear			
W ()	0+263.80	5822589.2903	5534790.2555
KONIEC ()	0+321.37	5822637.7837	5534759.2312
Tangent Direction:	363.77		
Tangent Length:	57.57		

Popowo_odc_2_tyczenie_plan.txt

Project Name: Popowo
Description:
Horizontal Alignment Name: plan2
Description:
Style: Geom_plan

	STATION	NORTHING	EASTING
Element: Linear			
POCZĄTEK ()	0+000.00	5822506.4158	5534843.6752
W ()	0+033.12	5822491.8424	5534813.9311
Tangent Direction:	271.00		
Tangent Length:	33.12		
Element: Linear			
W ()	0+033.12	5822491.8424	5534813.9311
W ()	0+066.74	5822477.7857	5534783.3963
Tangent Direction:	272.53		
Tangent Length:	33.61		
Element: Linear			
W ()	0+066.74	5822477.7857	5534783.3963
PL ()	0+128.86	5822454.0169	5534725.9992
Tangent Direction:	275.01		
Tangent Length:	62.12		
Element: Circular			
PL ()	0+128.86	5822454.0169	5534725.9992
W ()	0+134.09	5822452.0150	5534721.1650
CC ()		5822361.6256	5534764.2596
KŁ ()	0+139.32	5822449.5195	5534716.5661
Radius:	100.00		
Delta:	6.66	Left	
Degree of Curvature(Arc):	63.66		
Length:	10.46		
Tangent:	5.23		
Chord:	10.45		
Middle Ordinate:	0.14		
External:	0.14		
Tangent Direction:	275.01		
Radial Direction:	375.01		
Chord Direction:	271.68		
Radial Direction:	368.35		
Tangent Direction:	268.35		
Element: Linear			
KŁ ()	0+139.32	5822449.5195	5534716.5661
KONIEC ()	0+153.47	5822442.7709	5534704.1292
Tangent Direction:	268.35		
Tangent Length:	14.15		

Popowo_odc_1_tyczenie_niweleta.txt

Project Name: Popowo
 Description:
 Horizontal Alignment Name: plan
 Description:
 Style: Default
 Vertical Alignment Name: niew
 Description:
 Style: Default

		STATION	ELEVATION
Element: Linear			
	POCZĄTEK	0+000.00	54.120
	PŁP	0+003.46	54.220
	Tangent Grade:	2.90	
	Tangent Length:	3.46	
Element: Parabola			
	PŁP	0+003.46	54.220
	WP	0+007.96	54.351
	KŁP	0+012.46	54.441
	Length:	9.00	
	Stopping Sight Distance:	314.68	
	Entrance Grade:	2.90	
	Exit Grade:	2.00	
	$r = (g2 - g1) / L$:	-10.00	
	$K = 1 / (g2 - g1)$:	10.00	
	Middle Ordinate:	-0.01	
Element: Linear			
	KŁP	0+012.46	54.441
	PŁP	0+024.84	54.688
	Tangent Grade:	2.00	
	Tangent Length:	12.38	
Element: Parabola			
	PŁP	0+024.84	54.688
	WP	0+035.71	54.906
	KŁP	0+046.59	54.966
	Length:	21.75	
	Stopping Sight Distance:	203.40	
	Entrance Grade:	2.00	
	Exit Grade:	0.55	
	$r = (g2 - g1) / L$:	-6.67	
	$K = 1 / (g2 - g1)$:	15.00	
	Middle Ordinate:	-0.04	
Element: Linear			
	KŁP	0+046.59	54.966
	PŁP	0+063.07	55.056
	Tangent Grade:	0.55	
	Tangent Length:	16.48	
Element: Parabola			
	PŁP	0+063.07	55.056
	WP	0+073.57	55.114
	KŁP	0+084.07	55.062
	MAX	0+074.07	55.087
	Length:	21.00	
	Stopping Sight Distance:	276.37	
	Entrance Grade:	0.55	
	Exit Grade:	-0.50	
	$r = (g2 - g1) / L$:	-5.00	
	$K = 1 / (g2 - g1)$:	20.00	
	Middle Ordinate:	-0.03	
Element: Linear			
	KŁP	0+084.07	55.062
	WP	0+172.84	54.618

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Tangent Grade: -0.50
Tangent Length: 88.77

Element: Linear

WP 0+172.84 54.618
PŁP 0+185.08 54.654
Tangent Grade: 0.30
Tangent Length: 12.24

Element: Parabola

PŁP 0+185.08 54.654
WP 0+190.58 54.671
KŁP 0+196.08 54.748
Length: 11.00
Headlight Sight Distance: 56.31
Entrance Grade: 0.30
Exit Grade: 1.40
 $r = (g_2 - g_1) / L$: 10.00
 $K = 1 / (g_2 - g_1)$: 10.00
Middle Ordinate: 0.02

Element: Linear

KŁP 0+196.08 54.748
PŁP 0+203.29 54.849
Tangent Grade: 1.40
Tangent Length: 7.21

Element: Parabola

PŁP 0+203.29 54.849
WP 0+209.29 54.933
KŁP 0+215.29 55.089
Length: 12.00
Headlight Sight Distance: 56.31
Entrance Grade: 1.40
Exit Grade: 2.60
 $r = (g_2 - g_1) / L$: 10.00
 $K = 1 / (g_2 - g_1)$: 10.00
Middle Ordinate: 0.02

Element: Linear

KŁP 0+215.29 55.089
PŁP 0+224.25 55.322
Tangent Grade: 2.60
Tangent Length: 8.96

Element: Parabola

PŁP 0+224.25 55.322
WP 0+233.25 55.556
KŁP 0+242.25 55.871
Length: 18.00
Headlight Sight Distance: 95.21
Entrance Grade: 2.60
Exit Grade: 3.50
 $r = (g_2 - g_1) / L$: 5.00
 $K = 1 / (g_2 - g_1)$: 20.00
Middle Ordinate: 0.02

Element: Linear

KŁP 0+242.25 55.871
PŁP 0+251.77 56.204
Tangent Grade: 3.50
Tangent Length: 9.52

Element: Parabola

PŁP 0+251.77 56.204
WP 0+261.27 56.537
KŁP 0+270.77 56.689
Length: 19.00

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Stopping Sight Distance: 156.43
 Entrance Grade: 3.50
 Exit Grade: 1.60
 $r = (g_2 - g_1) / L$: -10.00
 $K = 1 / (g_2 - g_1)$: 10.00
 Middle Ordinate: -0.05

Element: Linear

KŁP	0+270.77	56.689
WP	0+272.08	56.709
Tangent Grade:	1.60	
Tangent Length:	1.31	

Element: Linear

WP	0+272.08	56.709
PŁP	0+289.26	57.139
Tangent Grade:	2.50	
Tangent Length:	17.19	

Element: Parabola

PŁP	0+289.26	57.139
WP	0+296.31	57.315
KŁP	0+303.36	57.160
MAX	0+296.76	57.233
Length:	14.10	

Stopping Sight Distance: 66.45
 Entrance Grade: 2.50
 Exit Grade: -2.20
 $r = (g_2 - g_1) / L$: -33.33
 $K = 1 / (g_2 - g_1)$: 3.00
 Middle Ordinate: -0.08

Element: Linear

KŁP	0+303.36	57.160
KONIEC	0+321.37	56.764
Tangent Grade:	-2.20	
Tangent Length:	18.01	

Popowo_odc_2_tyczenie_niweleta.txt

Project Name: Popowo

Description:

Horizontal Alignment Name: plan2

Description:

Style: Geom_plan

Vertical Alignment Name: niw2

Description:

Style: Geom_plan

		STATION	ELEVATION
Element: Linear			
	POCZĄTEK	0+000.00	54.650
	PŁP	0+013.27	54.783
	Tangent Grade:	1.00	
	Tangent Length:	13.27	
Element: Parabola			
	PŁP	0+013.27	54.783
	WP	0+023.02	54.880
	KŁP	0+032.77	54.851
	MAX	0+028.27	54.858
	Length:	19.50	
	Stopping Sight Distance:	224.49	
	Entrance Grade:	1.00	
	Exit Grade:	-0.30	
	$r = (g_2 - g_1) / L$:	-6.67	
	$K = 1 / (g_2 - g_1)$:	15.00	
	Middle Ordinate:	-0.03	
Element: Linear			
	KŁP	0+032.77	54.851
	PŁP	0+044.76	54.815
	Tangent Grade:	-0.30	
	Tangent Length:	11.99	
Element: Parabola			
	PŁP	0+044.76	54.815
	WP	0+053.76	54.788
	KŁP	0+062.76	54.923
	MIN	0+047.76	54.810
	Length:	18.00	
	Headlight Sight Distance:	1524.00	
	Entrance Grade:	-0.30	
	Exit Grade:	1.50	
	$r = (g_2 - g_1) / L$:	10.00	
	$K = 1 / (g_2 - g_1)$:	10.00	
	Middle Ordinate:	0.04	
Element: Linear			
	KŁP	0+062.76	54.923
	PŁP	0+104.27	55.546
	Tangent Grade:	1.50	
	Tangent Length:	41.51	
Element: Parabola			
	PŁP	0+104.27	55.546
	WP	0+111.77	55.658
	KŁP	0+119.27	55.883
	Length:	15.00	
	Headlight Sight Distance:	56.31	
	Entrance Grade:	1.50	
	Exit Grade:	3.00	
	$r = (g_2 - g_1) / L$:	10.00	
	$K = 1 / (g_2 - g_1)$:	10.00	
	Middle Ordinate:	0.03	
Element: Linear			
	KŁP	0+119.27	55.883

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PŁP	0+123.05	55.996
Tangent Grade:	3.00	
Tangent Length:	3.78	

Element: Parabola

PŁP	0+123.05	55.996
WP	0+135.05	56.356
KŁP	0+147.05	56.428
Length:	24.00	
Stopping Sight Distance:	128.32	
Entrance Grade:	3.00	
Exit Grade:	0.60	
$r = (g_2 - g_1) / L$:	-10.00	
$K = 1 / (g_2 - g_1)$:	10.00	
Middle Ordinate:	-0.07	

Element: Linear

KŁP	0+147.05	56.428
KONIEC	0+153.47	56.467
Tangent Grade:	0.60	
Tangent Length:	6.42	