

Your Company Name

123 Main Street

Suite #321

City, State 01234

Alignment Curve Report

Project Name: D:\hafidz\Semester 8\Tugas Akhir\Data\Civil3D2018\2\Trase-Assembly.dwg

Report Date: 15/05/2018 0:35:25

Client: Client Company

Project Description:

Prepared by: Preparer

Alignment: Trase_Terpilih (1)

Description:

Tangent Data

Length:	7963.125	Course:	S 05° 11' 45.3167" W
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Tangent Data

Length:	4221.812	Course:	S 09° 16' 57.1341" W
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Spiral Curve: cubicParabola

Values not reported for non-clothoid spirals

Circular Curve Data

Delta:	08° 18' 39.1460"	Type:	RIGHT
Radius:	550.000		
Length:	79.779	Tangent:	39.959
Mid-Ord:	1.446	External:	1.450
Chord:	79.709	Course:	S 20° 40' 05.4314" W

Spiral Curve: cubicParabola

Values not reported for non-clothoid spirals

Tangent Data

Length: 7457.792 Course: S 32° 03' 13.7288" W

Spiral Curve: cubicParabola

Values not reported for non-clothoid spirals

Circular Curve Data

Delta:	28° 15' 12.4999"	Type:	LEFT
Radius:	550.000		
Length:	271.214	Tangent:	138.423
Mid-Ord:	16.633	External:	17.152
Chord:	268.474	Course:	S 10° 41' 48.7545" W

Spiral Curve: cubicParabola

Values not reported for non-clothoid spirals

Tangent Data

Length: 4662.886 Course: S 10° 39' 36.2198" E

Alignment: Trase_Terpilih tanpa lengkung

Description:

Tangent Data

Length: 7902.473 Course: S 05° 11' 45.3167" W

Circular Curve Data

Delta:	04° 05' 11.8174"	Type:	RIGHT
Radius:	1700.000		
Length:	121.252	Tangent:	60.652
Mid-Ord:	1.081	External:	1.082
Chord:	121.227	Course:	S 07° 14' 21.2254" W

Tangent Data

Length: 4342.780 Course: S 09° 16' 57.1341" W

Alignment PI Station Report

Client:
 Client
 Client Company
 Address 1
 Date: 15/05/2018 0:36:24

Prepared by:
 Preparer
 Your Company Name
 123 Main Street

Alignment Name: Trase_Terpilih (1)

Description:

Station Range: Start: 0+000.00, End: 2521+661.00

PI Station	Northing	Easting	Distance	Direction
0+000.00	9,138,957.9920m	429,242.8960m		
			7,963.125m	S5° 11' 45"W
7+963.12	9,131,027.5890m	428,521.7420m		
			4,314.996m	S9° 16' 57"W
12+278.12	9,126,769.0985m	427,825.7201m		
			86.925m	S16° 30' 46"W
12+364.90	9,126,685.7588m	427,801.0136m		
			11.160m	S69° 19' 55"E
12+366.56	9,126,681.8200m	427,811.4550m		
			88.437m	S32° 03' 14"W
12+451.68	9,126,606.8656m	427,764.5203m		
			7,644.159m	S32° 03' 14"W
20+095.69	9,120,128.0584m	423,707.6463m		
			185.389m	S24° 49' 25"W
20+280.93	9,119,959.7989m	423,629.8153m		
			25.053m	N79° 18' 11"W
20+288.73	9,119,964.4490m	423,605.1980m		
			193.038m	S10° 39' 36"E
20+460.69	9,119,774.7424m	423,640.9065m		
			4,756.070m	S10° 39' 36"E
25+216.61	9,115,100.7530m	424,520.6920m		

Alignment Name: Trase_Terpilih tanpa lengkung

Description:

Station Range: Start: 0+000.00, End: 1236+651.00

PI Station	Northing	Easting	Distance	Direction
0+000.00	9,138,957.9920m	429,242.8960m		
			7,963.125m	S5° 11' 45"W
7+963.12	9,131,027.5890m	428,521.7420m		
			4,403.432m	S9° 16' 57"W
12+366.51	9,126,681.8200m	427,811.4550m		

Your Company Name

123 Main Street

Suite #321

City, State 01234

Alignment Station and Curve Report

Project Name: D:\hafidz\Semester 8\Tugas
Akhir\Data\Civil3D2018\2\Trase-Assembly.dwg

Report Date: 15/05/2018 0:38:33

Client: Client
Company

**Project
Description:**

Prepared by:
Preparer

Alignment: Trase_Terpilih (1)

Description:

Tangent Data

Description	PT Station	Northing	Easting
Start:	0+00.000	9138957.992	429242.896
End:	79+63.125	9131027.589	428521.742

Tangent Data

Parameter	Value	Parameter	Value
Length:	7963.125	Course:	S 05° 11' 45.3167" W

Tangent Data

Description	PT Station	Northing	Easting
Start:	79+63.125	9131027.589	428521.742
End:	121+84.937	9126861.062	427840.751

Tangent Data

Parameter	Value	Parameter	Value
Length:	4221.812	Course:	S 09° 16' 57.1341" W

Spiral Point Data

Description	Station	Northing	Easting
TS:	121+84.937	9126861.062	427840.751
SPI:		9126769.098	427825.720
SC:	123+24.937	9126724.070	427812.371

Spiral Curve: cubicParabola

Values not reported for non-clothoid spirals

Curve Point Data

Description	Station	Northing	Easting
SC:	123+24.937	9126724.070	427812.371
RP:		9126880.396	427285.055
CS:	124+04.715	9126649.491	427784.238

Circular Curve Data

Parameter	Value	Parameter	Value
Delta:	08° 18' 39.1460"	Type:	RIGHT
Radius:	550.000		
Length:	79.779	Tangent:	39.959
Mid-Ord:	1.446	External:	1.450
Chord:	79.709	Course:	S 20° 40' 05.4314" W

Spiral Point Data

Description	Station	Northing	Easting
CS:	124+04.715	9126649.491	427784.238
SPI:		9126606.866	427764.520
ST:	125+44.715	9126527.888	427715.066

Spiral Curve: cubicParabola

Values not reported for non-clothoid spirals

Tangent Data

Description	PT Station	Northing	Easting
Start:	125+44.715	9126527.888	427715.066
End:	200+02.507	9120207.036	423757.100

Tangent Data

Parameter	Value	Parameter	Value
Length:	7457.792	Course:	S 32° 03' 13.7288" W

Spiral Point Data

Description	Station	Northing	Easting
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TS: 200+02.507 9120207.036 423757.100
 SPI: 9120128.058 423707.646
 SC: 201+42.507 9120085.433 423687.929

Spiral Curve: cubicParabola

Values not reported for non-clothoid spirals

Curve Point Data

Description	Station	Northing	Easting
SC:	201+42.507	9120085.433	423687.929
RP:		9119854.528	424187.112
CS:	204+13.721	9119821.624	423638.097

Circular Curve Data

Parameter	Value	Parameter	Value
Delta:	28° 15' 12.4999"	Type:	LEFT
Radius:	550.000		
Length:	271.214	Tangent:	138.423
Mid-Ord:	16.633	External:	17.152
Chord:	268.474	Course:	S 10° 41' 48.7545" W

Spiral Point Data

Description	Station	Northing	Easting
CS:	204+13.721	9119821.624	423638.097
SPI:		9119774.742	423640.907
ST:	205+53.721	9119683.167	423658.144

Spiral Curve: cubicParabola

Values not reported for non-clothoid spirals

Tangent Data

Description	PT Station	Northing	Easting
Start:	205+53.721	9119683.167	423658.144
End:	252+16.607	9115100.753	424520.692

Tangent Data

Parameter	Value	Parameter	Value
Length:	4662.886	Course:	S 10° 39' 36.2198" E

Alignment: Trase_Terpilih tanpa lengkung

Description:

Tangent Data

Description	PT Station	Northing	Easting
Start:	0+00.000	9138957.992	429242.896
End:	79+02.473	9131087.992	428527.235

Tangent Data

Parameter	Value	Parameter	Value
Length:	7902.473	Course:	S 05° 11' 45.3167" W

Curve Point Data

Description	Station	Northing	Easting
PC:	79+02.473	9131087.992	428527.235
RP:		9131241.947	426834.220
PT:	80+23.725	9130967.731	428511.959

Circular Curve Data

Parameter	Value	Parameter	Value
Delta:	04° 05' 11.8174"	Type:	RIGHT
Radius:	1700.000		
Length:	121.252	Tangent:	60.652
Mid-Ord:	1.081	External:	1.082
Chord:	121.227	Course:	S 07° 14' 21.2254" W

Tangent Data

Description	PT Station	Northing	Easting
Start:	80+23.725	9130967.731	428511.959
End:	123+66.506	9126681.820	427811.455

Tangent Data

Parameter	Value	Parameter	Value
Length:	4342.780	Course:	S 09° 16' 57.1341" W

Profile PVI Station & Curve Report

Client: Client
Client Company: Client Company
Address 1: Address 1
Date: 15/05/2018 0:39:33

Prepared by: Preparer
Your Company Name: Your Company Name
123 Main Street

Vertical Alignment: Aig_Vertikal

Description:

Station Range: Start: 0+000.00, End: 2521+661.00

PVI	Station	Grade Out	Curve Length
0.00	0+000.00	-0.09%	
1.00	0+410.00	-1.01%	92.081m
Vertical Curve Information:(crest curve) <hr/> PVC Station: 0+363.96 Elevation: 106.264m PVI Station: 0+410.00 Elevation: 106.222m PVT Station: 0+456.04 Elevation: 105.755m High Point: 0+363.96 Elevation: 106.264m Grade in: -0.09% Grade out: -1.01% Change: 0.92% K: 99.9999999999821 Curve Length: 92.081m Passing Distance: 1,725.386m Stopping Distance: 767.767m			
2.00	2+505.00	-0.47%	53.803m
Vertical Curve Information:(sag curve) <hr/> PVC Station: 2+478.10 Elevation: 85.273m PVI Station: 2+505.00 Elevation: 85.000m PVT Station: 2+531.90 Elevation: 84.872m Low Point: 2+531.90 Elevation: 84.872m Grade in: -1.01% Grade out: -0.47% Change: 0.54% K: 99.9999999999926 Curve Length: 53.803m Headlight Distance:			
3.00	4+400.00	-0.54%	6.589m

	Vertical Curve Information:(crest curve)		
	PVC Station:	4+396.71	Elevation: 76.016m
	PVI Station:	4+400.00	Elevation: 76.000m
	PVT Station:	4+403.29	Elevation: 75.982m
	High Point:	4+396.71	Elevation: 76.016m
	Grade in:	-0.47%	Grade out: -0.54%
	Change:	0.07%	K: 100.000000000419
	Curve Length:	6.589m	
	Passing Distance:	23,473.162m	Stopping Distance: 10,089.863m
4.00	6+970.00	-0.57%	2.902m
	Vertical Curve Information:(crest curve)		
	PVC Station:	6+968.55	Elevation: 62.109m
	PVI Station:	6+970.00	Elevation: 62.101m
	PVT Station:	6+971.45	Elevation: 62.093m
	High Point:	6+968.55	Elevation: 62.109m
	Grade in:	-0.54%	Grade out: -0.57%
	Change:	0.03%	K: 100.000000002263
	Curve Length:	2.902m	
	Passing Distance:	53,280.300m	Stopping Distance: 22,898.928m
5.00	9+620.00	-0.40%	16.682m
	Vertical Curve Information:(sag curve)		
	PVC Station:	9+611.66	Elevation: 47.048m
	PVI Station:	9+620.00	Elevation: 47.000m
	PVT Station:	9+628.34	Elevation: 46.966m
	Low Point:	9+628.34	Elevation: 46.966m
	Grade in:	-0.57%	Grade out: -0.40%
	Change:	0.17%	K: 99.99999999943
	Curve Length:	16.682m	
	Headlight Distance:		
6.00	13+590.00	-0.30%	10.057m
	Vertical Curve Information:(sag curve)		
	PVC Station:	13+584.97	Elevation: 31.020m
	PVI Station:	13+590.00	Elevation: 31.000m

	PVT Station: 13+595.03	Elevation: 30.985m	
	Low Point: 13+595.03	Elevation: 30.985m	
	Grade in: -0.40%	Grade out: -0.30%	
	Change: 0.10%	K: 99.9999999999345	
	Curve Length: 10.057m		
	Headlight Distance:		
7.00	16+235.00	-0.28%	2.080m
	Vertical Curve Information:(sag curve)		
	PVC Station: 16+233.96	Elevation: 23.003m	
	PVI Station: 16+235.00	Elevation: 23.000m	
	PVT Station: 16+236.04	Elevation: 22.997m	
	Low Point: 16+236.04	Elevation: 22.997m	
	Grade in: -0.30%	Grade out: -0.28%	
	Change: 0.02%	K: 99.9999999996008	
	Curve Length: 2.080m		
	Headlight Distance:		
8.00	19+600.00	-0.19%	9.192m
	Vertical Curve Information:(sag curve)		
	PVC Station: 19+595.40	Elevation: 13.535m	
	PVI Station: 19+600.00	Elevation: 13.522m	
	PVT Station: 19+604.60	Elevation: 13.514m	
	Low Point: 19+604.60	Elevation: 13.514m	
	Grade in: -0.28%	Grade out: -0.19%	
	Change: 0.09%	K: 99.9999999999292	
	Curve Length: 9.192m		
	Headlight Distance:		
9.00	21+935.00	-0.35%	15.868m
	Vertical Curve Information:(crest curve)		
	PVC Station: 21+927.07	Elevation: 9.107m	
	PVI Station: 21+935.00	Elevation: 9.092m	
	PVT Station: 21+942.93	Elevation: 9.064m	
	High Point: 21+927.07	Elevation: 9.107m	
	Grade in: -0.19%	Grade out: -0.35%	

	Change: 0.16% K: 99.9999999999647 Curve Length: 15.868m Passing Distance: 9,753.079m Stopping Distance: 4,196.073m		
10.00	22+750.71	0.00%	34.901m
	Vertical Curve Information:(sag curve)		
	PVC Station:	22+733.26	Elevation: 6.311m
	PVI Station:	22+750.71	Elevation: 6.250m
	PVT Station:	22+768.16	Elevation: 6.250m
	Low Point:	22+768.10	Elevation: 6.250m
	Grade in:	-0.35%	Grade out: 0.00%
	Change:	0.35%	K: 100.0000000000006
	Curve Length:	34.901m	
	Headlight Distance:		
11.00	25+216.61		

