Sopraelevazione - Calcolo

Report Created: mercoledì 29 novembre 2023
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File Name:

Input Grid Factor:

Note: All units in this report are in meters unless specified otherwise.

Section Name:	Sopraelevazione-1
Base Horizontal Name:	Strada_Asse_9
Standards Filename:	C:\ProgramData\Bentley\OpenRoads Designer CE 10.12\Configuration\Organization-Civil\Italian Standards\Superelevation\C1_FExt-p7-DM2001.xml
Design Speed:	100
Pivot Method:	Crown
E Selection:	CatC_60-100Km/h
L Selection:	NO_Transition
Calculation Units:	meter

Lane Set:	1		
Left Offset:	-3.50		
Right Offset:	3.50		
Curve Set: 1	**Outside Lane: X_Asse - Ce_Dx**	**Start Station: 0+000,000**	**End Station: 0+000,000**
	Global Variables:		
	NRotatedLanes	1.0	
	PivotType	0 (Crown)	
	WidthLane	3.5	

InitialCrossSlope	-0.025
UseSpiralLength	true
PercentOnTangent	1
LengthsAreTotalTransition	true
UseRunoutLength	false
Radius	-340
Speed	100

Maximum cross slope calculation

Max E Value: 0,070

Result from: From Equation: CatC_60-100Km/h

Equation: pt_1

Variables:

Name	Value	Equation
Radius	-340	
Speed	100	
pt_max	0.07	0.07
ftmax	0.11	if(Speed = 100) ? 0.11 : if(Speed = 90) ? 0.12 : if(Speed = 80) ? 0.13 : if(Speed = 70) ? 0.15 : if(Speed = 60) ? 0.17 : if(Speed = 50) ? 0.183 : if(Speed = 40) ? 0.1967 : if(Speed = 30) ? 0.21 : 0.21
Rast	437.445319335083	(Speed^2)/(127*((pt_max)+ftmax))
pt_m	0.07	(pt_max)
K	5	5
R25	2187.22659667541	(Rast*K)
xxx	0.082245875888916	(10^(log10(pt_m)-((log10(pt_m)-log10(0.025))/(log10(R25)-log10(Rast)))*(log10(ABS(Radius))-log10(Rast))))

pt_1_compute	0.082245875888916	(xxx)
pt_1	0.07	if(ABS(Radius) < Rast) ? pt_max : pt_1_compute

Transition length calculation

Transition Length: 50,000

Result from: NO_Transition

Equation: DefaultLength

Variables:	**Name**	**Value**	**Equation**
	DefaultLength	50	50

Start of curve results

Spiral Exists:

Arc Start Station: 0,000 **Internal Station:** 0,000

Runout (Normal Crown) Station: -50000000,000 **Internal Station:** -50,000

Runoff (Zero Cross Slope) Station: -36842105,000 **Internal Station:** -36,842

Reverse Crown Station: -23684211,000 **Internal Station:** -23,684

Full Super Station: 0,000 **Internal Station:** 0,000

Start of curve standard station customization

Criteria Value: true **Criteria Equation:**

Modified Runoff Station: -36842105,000 **Internal Station:** -36,842 **Equation:** ZeroCrownCh

Modified Reverse Crown Station: -23684211,000 **Internal Station:** -23,684 **Equation:** ReverseCrownCh

Variables:	**Name**	**Value**	**Equation**
	SpiralExists	false	
	SpiralLength	0.0	
	RunoutStation	-50	
	RunoffStation	-36.8421052631579	

ReverseCrownStation	-23.6842105263158	
FullSuperStation	0	
StartOfSpiral	0	
StartOfArc	0	
ComputedTransitionLength	50	
SpiralLength	0	
StartOfArc	0	
StartOfSpiral	0	
ReverseCrownStation	-23.6842105263158	
ReverseCrownCh	-23.6842105263158	if (ABS(SpiralLength) > 95 ? If(StartOfArc > StartOfSpiral ? StartOfSpiral + 50 : StartofSpiral - 50) : ReverseCrownStation)
RunoffStation	-36.8421052631579	
ZeroCrownCh	-36.8421052631579	if (ABS(SpiralLength) > 95 ? If(StartOfArc > StartOfSpiral ? StartOfSpiral + 25 : StartofSpiral - 25) : RunoffStation)

End of curve results

Spiral Exists:

Arc End Station: 291330614,000 **Internal Station:** 291,331

Full Super Station: 291331000,000 **Internal Station:** 291,331

Reverse Crown Station: 352770628,000 **Internal Station:** 352,771

Runoff (Zero Cross Slope) Station: 386903755,000 **Internal Station:** 386,904

Runout (Normal Crown) Station: 421036882,000 **Internal Station:** 421,037

End of curve standard station customization

Criteria Value: true **Criteria Equation:**

Modified Reverse Crown Station: 371036497,000 **Internal Station:** 371,036 **Equation:** ReverseCrownCh

Modified Runoff Station:	396036497,000		**Internal Station:**	396,036	**Equation:** ZeroCrownCh
Variables:	**Name**		**Value**	**Equation**	
	SpiralExists		true		
	SpiralLength		129.705882352941		
	RunoutStation		-421.036882352941		
	RunoffStation		-386.903755417957		
	ReverseCrownStation		-352.770628482972		
	FullSuperStation		-291.331		
	StartOfSpiral		-421.036496603052		
	StartOfArc		-291.330614250111		
	ComputedTransitionLength		50		
	SpiralLength		129.705882352941		
	StartOfArc		-291.330614250111		
	StartOfSpiral		-421.036496603052		
	ReverseCrownStation		-352.770628482972		
	ReverseCrownCh		-371.036496603052	if (ABS(SpiralLength) > 95 ? If(StartOfArc > StartOfSpiral ? StartOfSpiral + 50 : StartofSpiral - 50) : ReverseCrownStation)	
	RunoffStation		-386.903755417957		
	ZeroCrownCh		-396.036496603052	if (ABS(SpiralLength) > 95 ? If(StartOfArc > StartOfSpiral ? StartOfSpiral + 25 : StartofSpiral - 25) : RunoffStation)	
Curve Set: 2	**Outside Lane: X_Asse - Ce_Sx**	**Start Station: 0+000,000**	**End Station: 0+000,000**		
	Global Variables:				
	NRotatedLanes	1.0			
	PivotType	0 (Crown)			

WidthLane	3.5
InitialCrossSlope	-0.025
UseSpiralLength	true
PercentOnTangent	1
LengthsAreTotalTransition	true
UseRunoutLength	false
Radius	340.000000000098
Speed	100

Maximum cross slope calculation

Max E Value: 0,070

Result from: From Equation: CatC_60-100Km/h

Equation: pt_1

Variables:

Name	Value	Equation
Radius	340.000000000098	
Speed	100	
pt_max	0.07	0.07
ftmax	0.11	if(Speed = 100) ? 0.11 : if(Speed = 90) ? 0.12 : if(Speed = 80) ? 0.13 : if(Speed = 70) ? 0.15 : if(Speed = 60) ? 0.17 : if(Speed = 50) ? 0.183 : if(Speed = 40) ? 0.1967 : if(Speed = 30) ? 0.21 : 0.21
Rast	437.445319335083	(Speed^2)/(127*((pt_max)+ftmax))
pt_m	0.07	(pt_max)
K	5	5
R25	2187.22659667541	(Rast*K)

xxx	0.0822458758889009	(10^(log10(pt_m)-((log10(pt_m)-log10(0.025))/(log10(R25)-log10(Rast)))*(log10(ABS(Radius))-log10(Rast))))
pt_1_compute	0.0822458758889009	(xxx)
pt_1	0.07	if(ABS(Radius) < Rast) ? pt_max : pt_1_compute

Transition length calculation

Transition Length: 50,000

Result from: NO_Transition

Equation: DefaultLength

Variables:	**Name**	**Value**	**Equation**
	DefaultLength	50	50

Start of curve results

Spiral Exists:

Arc Start Station: 550742379,000 **Internal Station:** 550,742

Runout (Normal Crown) Station: 421036118,000 **Internal Station:** 421,036

Runoff (Zero Cross Slope) Station: 455169245,000 **Internal Station:** 455,169

Reverse Crown Station: 489302372,000 **Internal Station:** 489,302

Full Super Station: 550742000,000 **Internal Station:** 550,742

Start of curve standard station customization

Criteria Value: true **Criteria Equation:**

Modified Runoff Station: 446036497,000 **Internal Station:** 446,036 **Equation:** ZeroCrownCh

Modified Reverse Crown Station: 471036497,000 **Internal Station:** 471,036 **Equation:** ReverseCrownCh

Variables:	**Name**	**Value**	**Equation**
	SpiralExists	true	
	SpiralLength	129.705882352941	

RunoutStation	421.036117647059	
RunoffStation	455.169244582043	
ReverseCrownStation	489.302371517028	
FullSuperStation	550.742	
StartOfSpiral	421.036496602847	
StartOfArc	550.742378955993	
ComputedTransitionLength	50	
SpiralLength	129.705882352941	
StartOfArc	550.742378955993	
StartOfSpiral	421.036496602847	
ReverseCrownStation	489.302371517028	
ReverseCrownCh	471.036496602847	if (ABS(SpiralLength) > 95 ? If(StartOfArc > StartOfSpiral ? StartOfSpiral + 50 : StartofSpiral - 50) : ReverseCrownStation)
RunoffStation	455.169244582043	
ZeroCrownCh	446.036496602847	if (ABS(SpiralLength) > 95 ? If(StartOfArc > StartOfSpiral ? StartOfSpiral + 25 : StartofSpiral - 25) : RunoffStation)

End of curve results

Spiral Exists:

Arc End Station:	668284197,000	**Internal Station:**	668,284
Full Super Station:	668284000,000	**Internal Station:**	668,284
Reverse Crown Station:	729723628,000	**Internal Station:**	729,724
Runoff (Zero Cross Slope) Station:	763856755,000	**Internal Station:**	763,857
Runout (Normal Crown) Station:	797989882,000	**Internal Station:**	797,990

End of curve standard station customization

Criteria Value:	true		**Criteria Equation:**			
Modified Reverse Crown Station:	747990080,000		**Internal Station:**	747,990	**Equation:**	ReverseCrownCh
Modified Runoff Station:	772990080,000		**Internal Station:**	772,990	**Equation:**	ZeroCrownCh
Variables:	**Name**	**Value**	**Equation**			
	SpiralExists	true				
	SpiralLength	129.705882352904				
	RunoutStation	-797.989882352904				
	RunoffStation	-763.856755417929				
	ReverseCrownStation	-729.723628482954				
	FullSuperStation	-668.284				
	StartOfSpiral	-797.990079655873				
	StartOfArc	-668.284197303105				
	ComputedTransitionLength	50				
	SpiralLength	129.705882352904				
	StartOfArc	-668.284197303105				
	StartOfSpiral	-797.990079655873				
	ReverseCrownStation	-729.723628482954				
	ReverseCrownCh	-747.990079655873	if (ABS(SpiralLength) > 95 ? If(StartOfArc > StartOfSpiral ? StartOfSpiral + 50 : StartofSpiral - 50) : ReverseCrownStation)			
	RunoffStation	-763.856755417929				
	ZeroCrownCh	-772.990079655873	if (ABS(SpiralLength) > 95 ? If(StartOfArc > StartOfSpiral ? StartOfSpiral + 25 : StartofSpiral - 25) : RunoffStation)			
Curve Set: 3	**Outside Lane: X_Asse - Ce_Dx**	**Start Station: 0+000,000**	**End Station: 0+000,000**			
	Global Variables:					

NRotatedLanes	1.0
PivotType	0 (Crown)
WidthLane	3.5
InitialCrossSlope	-0.025
UseSpiralLength	true
PercentOnTangent	1
LengthsAreTotalTransition	true
UseRunoutLength	false
Radius	-399.999999996091
Speed	100

Maximum cross slope calculation

Max E Value: 0,070

Result from: From Equation: CatC_60-100Km/h

Equation: pt_1

Variables:

Name	Value	Equation
Radius	-399.999999996091	
Speed	100	
pt_max	0.07	0.07
ftmax	0.11	if(Speed = 100) ? 0.11 : if(Speed = 90) ? 0.12 : if(Speed = 80) ? 0.13 : if(Speed = 70) ? 0.15 : if(Speed = 60) ? 0.17 : if(Speed = 50) ? 0.183 : if(Speed = 40) ? 0.1967 : if(Speed = 30) ? 0.21 : 0.21
Rast	437.445319335083	(Speed^2)/(127*((pt_max)+ftmax))
pt_m	0.07	(pt_max)
K	5	5
R25	2187.22659667541	(Rast*K)

xxx	0.0741243159469314	(10^(log10(pt_m)-((log10(pt_m)-log10(0.025))/(log10(R25)-log10(Rast)))*(log10(ABS(Radius))-log10(Rast))))
pt_1_compute	0.0741243159469314	(xxx)
pt_1	0.07	if(ABS(Radius) < Rast) ? pt_max : pt_1_compute

Transition length calculation

Transition Length: 50,000

Result from: NO_Transition

Equation: DefaultLength

Variables:	**Name**	**Value**	**Equation**
	DefaultLength	50	50

Start of curve results

Spiral Exists:

Arc Start Station: 908240080,000 **Internal Station:** 908,240

Runout (Normal Crown) Station: 797990000,000 **Internal Station:** 797,990

Runoff (Zero Cross Slope) Station: 827003158,000 **Internal Station:** 827,003

Reverse Crown Station: 856016316,000 **Internal Station:** 856,016

Full Super Station: 908240000,000 **Internal Station:** 908,240

Start of curve standard station customization

Criteria Value: true **Criteria Equation:**

Modified Runoff Station: 822990080,000 **Internal Station:** 822,990 **Equation:** ZeroCrownCh

Modified Reverse Crown Station: 847990080,000 **Internal Station:** 847,990 **Equation:** ReverseCrownCh

Variables:	**Name**	**Value**	**Equation**
	SpiralExists	true	
	SpiralLength	110.25	

RunoutStation	797.99	
RunoffStation	827.003157894737	
ReverseCrownStation	856.016315789474	
FullSuperStation	908.24	
StartOfSpiral	797.990079655873	
StartOfArc	908.240079656009	
ComputedTransitionLength	50	
SpiralLength	110.25	
StartOfArc	908.240079656009	
StartOfSpiral	797.990079655873	
ReverseCrownStation	856.016315789474	
ReverseCrownCh	847.990079655873	if (ABS(SpiralLength) > 95 ? If(StartOfArc > StartOfSpiral ? StartOfSpiral + 50 : StartofSpiral - 50) : ReverseCrownStation)
RunoffStation	827.003157894737	
ZeroCrownCh	822.990079655873	if (ABS(SpiralLength) > 95 ? If(StartOfArc > StartOfSpiral ? StartOfSpiral + 25 : StartofSpiral - 25) : RunoffStation)

End of curve results

Spiral Exists:

Arc End Station:	1097193121,000	**Internal Station:**	1097,193
Full Super Station:	1097193000,000	**Internal Station:**	1097,193
Reverse Crown Station:	1149416684,000	**Internal Station:**	1149,417
Runoff (Zero Cross Slope) Station:	1178429842,000	**Internal Station:**	1178,430
Runout (Normal Crown) Station:	1207443000,000	**Internal Station:**	1207,443

End of curve standard station customization

Criteria Value:	true		**Criteria Equation:**			
Modified Reverse Crown Station:	1157443121,000		**Internal Station:**	1157,443	**Equation:**	ReverseCrownCh
Modified Runoff Station:	1182443121,000		**Internal Station:**	1182,443	**Equation:**	ZeroCrownCh
Variables:	**Name**	**Value**	**Equation**			
	SpiralExists	true				
	SpiralLength	110.250000001077				
	RunoutStation	-1207.44300000108				
	RunoffStation	-1178.42984210606				
	ReverseCrownStation	-1149.41668421104				
	FullSuperStation	-1097.193				
	StartOfSpiral	-1207.44312144682				
	StartOfArc	-1097.19312144601				
	ComputedTransitionLength	50				
	SpiralLength	110.250000001077				
	StartOfArc	-1097.19312144601				
	StartOfSpiral	-1207.44312144682				
	ReverseCrownStation	-1149.41668421104				
	ReverseCrownCh	-1157.44312144682	if (ABS(SpiralLength) > 95 ? If(StartOfArc > StartOfSpiral ? StartOfSpiral + 50 : StartofSpiral - 50) : ReverseCrownStation)			
	RunoffStation	-1178.42984210606				
	ZeroCrownCh	-1182.44312144682	if (ABS(SpiralLength) > 95 ? If(StartOfArc > StartOfSpiral ? StartOfSpiral + 25 : StartofSpiral - 25) : RunoffStation)			
Curve Set: 4	**Outside Lane: X_Asse - Ce_Dx**	**Start Station: 0+000,000**	**End Station: 0+000,000**			
	Global Variables:					

NRotatedLanes	1.0
PivotType	0 (Crown)
WidthLane	3.5
InitialCrossSlope	-0.025
UseSpiralLength	true
PercentOnTangent	1
LengthsAreTotalTransition	true
UseRunoutLength	false
Radius	-437
Speed	100

Maximum cross slope calculation

Max E Value: 0,070

Result from: From Equation: CatC_60-100Km/h

Equation: pt_1

Variables:

Name	Value	Equation
Radius	-437	
Speed	100	
pt_max	0.07	0.07
ftmax	0.11	if(Speed = 100) ? 0.11 : if(Speed = 90) ? 0.12 : if(Speed = 80) ? 0.13 : if(Speed = 70) ? 0.15 : if(Speed = 60) ? 0.17 : if(Speed = 50) ? 0.183 : if(Speed = 40) ? 0.1967 : if(Speed = 30) ? 0.21 : 0.21
Rast	437.445319335083	(Speed^2)/(127*((pt_max)+ftmax))
pt_m	0.07	(pt_max)
K	5	5
R25	2187.22659667541	(Rast*K)

xxx	0.0700456258493405	(10^(log10(pt_m)-((log10(pt_m)-log10(0.025))/(log10(R25)-log10(Rast)))*(log10(ABS(Radius))-log10(Rast))))
pt_1_compute	0.0700456258493405	(xxx)
pt_1	0.07	if(ABS(Radius) < Rast) ? pt_max : pt_1_compute

Transition length calculation

Transition Length: 50,000

Result from: NO_Transition

Equation: DefaultLength

Variables:	**Name**	**Value**	**Equation**
	DefaultLength	50	50

Start of curve results

Spiral Exists:

Arc Start Station: 1628375977,000 **Internal Station:** 1628,376

Runout (Normal Crown) Station: 1527460668,000 **Internal Station:** 1527,461

Runoff (Zero Cross Slope) Station: 1554017334,000 **Internal Station:** 1554,017

Reverse Crown Station: 1580574001,000 **Internal Station:** 1580,574

Full Super Station: 1628376000,000 **Internal Station:** 1628,376

Start of curve standard station customization

Criteria Value: true **Criteria Equation:**

Modified Runoff Station: 1552460645,000 **Internal Station:** 1552,461 **Equation:** ZeroCrownCh

Modified Reverse Crown Station: 1577460645,000 **Internal Station:** 1577,461 **Equation:** ReverseCrownCh

Variables:	**Name**	**Value**	**Equation**
	SpiralExists	true	
	SpiralLength	100.91533180778	

RunoutStation	1527.46066819222	
RunoffStation	1554.01733445743	
ReverseCrownStation	1580.57400072263	
FullSuperStation	1628.376	
StartOfSpiral	1527.46064541271	
StartOfArc	1628.37597722049	
ComputedTransitionLength	50	
SpiralLength	100.91533180778	
StartOfArc	1628.37597722049	
StartOfSpiral	1527.46064541271	
ReverseCrownStation	1580.57400072263	
ReverseCrownCh	1577.46064541271	if (ABS(SpiralLength) > 95 ? If(StartOfArc > StartOfSpiral ? StartOfSpiral + 50 : StartofSpiral - 50) : ReverseCrownStation)
RunoffStation	1554.01733445743	
ZeroCrownCh	1552.46064541271	if (ABS(SpiralLength) > 95 ? If(StartOfArc > StartOfSpiral ? StartOfSpiral + 25 : StartofSpiral - 25) : RunoffStation)

End of curve results

Spiral Exists:

Arc End Station:	1770588536,000	**Internal Station:**	1770,589
Full Super Station:	1770589000,000	**Internal Station:**	1770,589
Reverse Crown Station:	1818390999,000	**Internal Station:**	1818,391
Runoff (Zero Cross Slope) Station:	1844947666,000	**Internal Station:**	1844,948
Runout (Normal Crown) Station:	1871504332,000	**Internal Station:**	1871,504

End of curve standard station customization

Criteria Value:	true	**Criteria Equation:**			
Modified Reverse Crown Station:	1821503868,000	**Internal Station:**	1821,504	**Equation:**	ReverseCrownCh
Modified Runoff Station:	1846503868,000	**Internal Station:**	1846,504	**Equation:**	ZeroCrownCh

Variables:	**Name**	**Value**	**Equation**
	SpiralExists	true	
	SpiralLength	100.91533180778	
	RunoutStation	-1871.50433180778	
	RunoffStation	-1844.94766554257	
	ReverseCrownStation	-1818.39099927737	
	FullSuperStation	-1770.589	
	StartOfSpiral	-1871.50386787562	
	StartOfArc	-1770.58853606784	
	ComputedTransitionLength	50	
	SpiralLength	100.91533180778	
	StartOfArc	-1770.58853606784	
	StartOfSpiral	-1871.50386787562	
	ReverseCrownStation	-1818.39099927737	
	ReverseCrownCh	-1821.50386787562	if (ABS(SpiralLength) > 95 ? If(StartOfArc > StartOfSpiral ? StartOfSpiral + 50 : StartofSpiral - 50) : ReverseCrownStation)
	RunoffStation	-1844.94766554257	
	ZeroCrownCh	-1846.50386787562	if (ABS(SpiralLength) > 95 ? If(StartOfArc > StartOfSpiral ? StartOfSpiral + 25 : StartofSpiral - 25) : RunoffStation)

Overlap Adjustments

First curve set id: 1

Second curve set id: 2

Adjustment type: Reverse Curve - Custom

Description:

Normal Crown gap: -0.000764705882602357

Arc gap: 259.411764705882

First Curve Set Adjustments

End Full Super:	291331000,000	**Internal Station:**	291,331
End Reverse Crown:	396036497,000	**Internal Station:**	396,036
End Zero Cross Slope Station:	Deleted		
End Normal Crown Station:	Deleted		

Second Curve Set Adjustments

Begin Full Super:	550742000,000	**Internal Station:**	550,742
Begin Reverse Crown:	446036497,000	**Internal Station:**	446,036
Begin Zero Cross Slope Station:	Deleted		
Begin Normal Crown Station:	Deleted		

Variables:	**Name**	**Value**	**Equation**
	InitialCrossSlope	-0.025	
	Curve1MaxE	0.07	
	Curve1StartOfArc	0	
	Curve1EndOfArc	291.330614250111	
	Curve1EndOfSpiral	421.036496603052	
	Curve1FullSuperStation	291.331	
	Curve1ReverseCrownStation	371.036496603052	

Curve1ZeroCrossSlopeStation	396.036496603052	
Curve1NormalCrownStation	421.036882352941	
Curve2MaxE	0.07	
Curve2StartOfArc	550.742378955993	
Curve2EndOfArc	668.284197303105	
Curve2StartOfSpiral	421.036496603052	
Curve2FullSuperStation	550.742	
Curve2ReverseCrownStation	471.036496602847	
Curve2ZeroCrossSlopeStation	446.036496602847	
Curve2NormalCrownStation	421.036117647059	
Curve2StartOfArc	550.742378955993	
Curve1EndOfArc	291.330614250111	
calculatedGap	259.411764705882	Curve2StartOfArc - Curve1EndOfArc
offsetDistance	100	100
Curve1EndOfSpiral	421.036496603052	
offsetHalfDistance	25	25
newCurve1ReverseCrownStation	396.036496603052	if calculatedGap > offsetDistance ? (Curve1EndOfSpiral - offsetHalfDistance) : False
AdjustedCurve1ReverseCrownStation	396.036496603052	newCurve1ReverseCrownStation
Curve2StartOfSpiral	421.036496603052	
newCurve2ReverseCrownStation	446.036496603052	if calculatedGap > offsetDistance ? (Curve2StartOfSpiral + offsetHalfDistance) : False
AdjustedCurve2ReverseCrownStation	446.036496603052	newCurve2ReverseCrownStation
AdjustedCurve1NormalCrownStation	False	False
AdjustedCurve1ZeroCrossSlopeStation	False	False

AdjustedCurve2NormalCrownStation	False	False
AdjustedCurve2ZeroCrossSlopeStation	False	False
Curve1FullSuperStation	291.331	
AdjustedCurve1FullSuperStation	291.331	Curve1FullSuperStation
Curve2FullSuperStation	550.742	
AdjustedCurve2FullSuperStation	550.742	Curve2FullSuperStation

First curve set id: 2

Second curve set id: 3

Adjustment type: Reverse Curve - Custom

Description:

Normal Crown gap: 0.000117647096203655

Arc gap: 239.955882352904

First Curve Set Adjustments

End Full Super: 668284000,000 **Internal Station:** 668,284

End Reverse Crown: 772990080,000 **Internal Station:** 772,990

End Zero Cross Slope Station: Deleted

End Normal Crown Station: Deleted

Second Curve Set Adjustments

Begin Full Super: 908240000,000 **Internal Station:** 908,240

Begin Reverse Crown: 822990080,000 **Internal Station:** 822,990

Begin Zero Cross Slope Station: Deleted

Begin Normal Crown Station: Deleted

Variables: **Name** **Value** **Equation**

InitialCrossSlope	-0.025	
Curve1MaxE	0.07	
Curve1StartOfArc	550.742378955993	
Curve1EndOfArc	668.284197303105	
Curve1EndOfSpiral	797.990079656009	
Curve1FullSuperStation	668.284	
Curve1ReverseCrownStation	747.990079655873	
Curve1ZeroCrossSlopeStation	772.990079655873	
Curve1NormalCrownStation	797.989882352904	
Curve2MaxE	0.07	
Curve2StartOfArc	908.240079656009	
Curve2EndOfArc	1097.19312144601	
Curve2StartOfSpiral	797.990079656009	
Curve2FullSuperStation	908.24	
Curve2ReverseCrownStation	847.990079655873	
Curve2ZeroCrossSlopeStation	822.990079655873	
Curve2NormalCrownStation	797.99	
Curve2StartOfArc	908.240079656009	
Curve1EndOfArc	668.284197303105	
calculatedGap	239.955882352904	Curve2StartOfArc - Curve1EndOfArc
offsetDistance	100	100
Curve1EndOfSpiral	797.990079656009	
offsetHalfDistance	25	25
newCurve1ReverseCrownStation	772.990079656009	if calculatedGap > offsetDistance ? (Curve1EndOfSpiral - offsetHalfDistance) : False

AdjustedCurve1ReverseCrownStation	772.990079656009	newCurve1ReverseCrownStation
Curve2StartOfSpiral	797.990079656009	
newCurve2ReverseCrownStation	822.990079656009	if calculatedGap > offsetDistance ? (Curve2StartOfSpiral + offsetHalfDistance) : False
AdjustedCurve2ReverseCrownStation	822.990079656009	newCurve2ReverseCrownStation
AdjustedCurve1NormalCrownStation	False	False
AdjustedCurve1ZeroCrossSlopeStation	False	False
AdjustedCurve2NormalCrownStation	False	False
AdjustedCurve2ZeroCrossSlopeStation	False	False
Curve1FullSuperStation	668.284	
AdjustedCurve1FullSuperStation	668.284	Curve1FullSuperStation
Curve2FullSuperStation	908.24	
AdjustedCurve2FullSuperStation	908.24	Curve2FullSuperStation