

**Example :-**

PI= 121+25.00

PI elevation = 90

G1 = 4%

G2= -1%

L = 400 ft

Stations	Tangent		Vertical curve			Profile elevation
	G	elevation	X	elevation on tangent extended	$Y=(A/200L)X^2$	
119+25.00	4%	82.00	0	82	0.00	82.00
120+00.00		85.00	75	85	-0.35	84.65
121+00.00		89.00	175	89	-1.91	87.09
121+25.00	PI	90.00	200	90	-2.50	87.50
122+00.00	-1%	89.25	275	93	-4.73	88.27
123+00.00		88.25	375	97	-8.79	88.21
123+25.00		88.00	400	98	-10.00	88.00

