Tribhuwan University
Institute of Engineering
Central Campus, Pulchowk
Department of Civil Engineering
Survey Instruction Committee

Road Alignment

Leg					Deflection Angle										
From IP	To IP	IP to IP Dist.	IP Station	Chainage		d	m	s	Radius of Curvature; R (m)	Tangent Length; TL (m)	Length of Curvature; L (m)	Apex Distance; E (m)	Chainage of BC (m)	Chainage of MC (m)	Chainage of EC (m)
IP0		0.000	IP0	0.000											
IP0	IP1	62.162	IP1	0.062	-	12	37	10	190.000	21.009	41.848	1.158	0.041	0.062	0.083
IP1	IP2	62.585	IP2	0.125	+	48	0	21	50.000	22.264	41.893	4.733	0.102	0.123	0.144
IP2	A	37.128	A	0.162											
A	В	62.501	В	0.224											
В	IP3	25.825		0.250											
IP2	IP3	125.454	IP3	0.250	+	72	23	23	18.000	13.172	22.742	4.304	0.234	0.246	0.257
IP3	IP4	91.347	IP4	0.342	-	35	12	10	60.000	19.035	36.864	2.947	0.316	0.335	0.353
IP4	IP5	61.966	IP5	0.404	-	41	23	9	50.000			3.448	0.377	0.395	0.413
IP5	IP6	65.434	IP6	0.469	+	24	9	31	50.000	10.700	21.082	1.132	0.449	0.460	0.470
IP6	IP7	41.220	IP7	0.510	+	10	4	22	150.000	13.219	26.370	0.581	0.487	0.501	0.514
IP7	IP8	39.670	IP8	0.550	+	56	10	40	28.000	14.944	27.454	3.738	0.525	0.539	0.553
IP8	IP9	52.747	IP9	0.603	+	73	4	51	14.000	10.375	17.857	3.425	0.580	0.589	0.598
IP9	IP10	28.292	IP10	0.631	-	12	17	10	50.000	5.381	10.722	0.289	0.611	0.616	0.621
IP10	IP11	66.935	IP11	0.698	-	57	24	26	20.000	10.951	20.039	2.802	0.672	0.682	0.692
IP11	setback 1	12.675	setback 1	0.710											
setback 1	culv start	6.350	culv start	0.717											
culv start	culv end	6.000	culv end	0.723										·	
culv end	setback 2	6.000	setback 2	0.729											
IP12	setback 2	22.091	IP12	0.751	+	53	28	34	10.000	5.038	9.333	1.197	0.729	0.734	0.738
IP12	IP13	16.302	IP13	0.767											