

Element	Type	Station	Elevation	Length	Entrance Grade	Exit Grade	K	Middle Ordinate	SSD/HSD
Symmetrical Parabola	PVRC	367+40.00	1163.07	660	3.87%	2.88%	663.89	-0.82	1415.5
	POVC	367+50.00	1163.45						
	POVC	368+00.00	1165.36						
	POVC	368+50.00	1167.24						
	POVC	369+00.00	1169.07						
	POVC	369+50.00	1170.87						
	POVC	370+00.00	1172.63						
	POVC	370+50.00	1174.35						
	PVI	370+70.00	1175.85						
	POVC	371+00.00	1176.04						
	POVC	371+50.00	1177.68						
	POVC	372+00.00	1179.29						
	POVC	372+50.00	1180.86						
	POVC	373+00.00	1182.4						
	POVC	373+50.00	1183.89						
	PVT	374+00.00	1185.35						
	PVT	374+00.00	1185.35						
Symmetrical Parabola	PVRC	374+00.00	1185.35	150	2.88%	0.94%	77.2	-0.36	630.41
	POVC	374+50.00	1186.63						
	PVI	374+75.00	1187.51						
	POVC	375+00.00	1187.58						
Linear	PVT	375+50.00	1188.21	65	0.94%				
	PVT	375+50.00	1188.21						
Symmetrical Parabola	PVC	376+15.00	1188.82	150	0.94%	3.51%	58.17	0.48	
	POVC	376+15.00	1188.82						
	PVI	376+90.00	1189.52						
	POVC	377+00.00	1190.24						
	POVC	377+50.00	1191.65						
Linear	PVT	377+65.00	1192.16	142.5	3.51%				
	PVT	377+65.00	1192.16						
	POVT	378+00.00	1193.39						
	POVT	378+50.00	1195.15						
Symmetrical Parabola	PVC	379+07.50	1197.17	385	3.51%	-2.38%	65.34	-2.84	375.53
	POVC	379+50.00	1198.52						
	POVC	380+00.00	1199.76						
	POVC	380+50.00	1200.62						
	PVI	381+00.00	1203.93						
	VHIGH	381+37.16	1201.2						
	POVC	381+00.00	1201.1						
	POVC	381+50.00	1201.19						
	POVC	382+00.00	1200.9						
	POVC	382+50.00	1200.23						
Linear	PVT	382+92.50	1199.36	87.5	-2.38%				
	PVT	382+92.50	1199.36						
	POVT	383+00.00	1199.18						
	POVT	383+50.00	1197.99						
Symmetrical Parabola	PVC	383+80.00	1197.28	200	-2.38%	-2.66%	717.88	-0.07	3973.5
	POVC	384+00.00	1196.8						
	POVC	384+50.00	1195.58						
	PVI	384+80.00	1194.9						
	POVC	385+00.00	1194.32						
	POVC	385+50.00	1193.03						
Linear	PVT	385+80.00	1192.24	282.5	-2.66%				
	POVT	386+00.00	1191.71						
	POVT	386+50.00	1190.38						
	POVT	387+00.00	1189.06						
	POVT	387+50.00	1187.73						
	POVT	388+00.00	1186.4						
	POVT	388+50.00	1185.07						
	PVC	388+62.50	1184.74						
Symmetrical Parabola	PVC	388+62.50	1184.74	715	-2.66%	4.13%	105.34	6.07	
	POVC	389+00.00	1183.81						
	POVC	389+50.00	1182.78						
	POVC	390+00.00	1181.99						
	POVC	390+50.00	1181.43						
	POVC	391+00.00	1181.11						
	VLOW	391+42.27	1181.03						
	POVC	391+50.00	1181.03						
	POVC	392+00.00	1181.18						
	PVI	392+20.00	1175.25						
	POVC	392+50.00	1181.58						
	POVC	393+00.00	1182.21						
	POVC	393+50.00	1183.07						
	POVC	394+00.00	1184.18						
	POVC	394+50.00	1185.52						
Linear	PVT	395+77.50	1190.02	260	4.13%				
	PVT	395+77.50	1190.02						
	POVT	396+00.00	1190.95						
	POVT	396+50.00	1193.01						
	POVT	397+00.00	1195.08						
	POVT	397+50.00	1197.14						
	PVC	398+37.50	1200.76						

PVC - POINT OF VERTICAL CURVATURE  
PVT - POINT OF VERTICAL TANGENCY  
PVI - POINT OF VERTICAL INTERSECTION

Element	Type	Station	Elevation	Length	Entrance Grade	Exit Grade	K	Middle Ordinate	SSD/HSD
Symmetrical Parabola	PVC	398+37.50	1200.76	425	4.13%	-0.53%	91.1	-2.48	443.82
	POVC	398+50.00	1201.27						
	POVC	399+00.00	1203.13						
	POVC	399+50.00	1204.71						
	POVC	400+00.00	1206.02						
	PVI	400+50.00	1209.54						
	POVC	400+50.00	1207.06						
	POVC	401+00.00	1207.82						
	POVC	401+50.00	1208.31						
	VHIGH	402+13.91	1208.54						
	POVC	402+00.00	1208.53						
	POVC	402+50.00	1208.46						
	PVT	402+62.50	1208.41						
	PVT	402+62.50	1208.41						
Linear	POVT	403+00.00	1208.21	337.5	-0.53%				
	POVT	403+50.00	1207.94						
	POVT	404+00.00	1207.67						
	POVT	404+50.00	1207.41						
	POVT	405+00.00	1207.14						
	POVT	405+50.00	1206.87						
	PVC	406+00.00	1206.61						
	PVC	406+00.00	1206.61						
Symmetrical Parabola	PVC	406+50.00	1206.28	300	-0.53%	-1.86%	226.86	-0.5	966.05
	POVC	407+00.00	1205.85						
	PVI	407+50.00	1205.81						
	POVC	407+50.00	1205.31						
Linear	POVC	408+00.00	1204.66	250	-1.86%				
	POVC	408+50.00	1203.9						
	PVT	409+00.00	1203.02						
	PVT	409+00.00	1203.02						
	POVT	409+50.00	1202.1						
	POVT	410+00.00	1201.17						
	POVT	410+50.00	1200.24						
	POVT	411+00.00	1199.31						
	PVC	411+50.00	1198.38						
	PVC	411+50.00	1198.38						
Symmetrical Parabola	PVC	412+00.00	1197.28	300	-1.86%	-6.04%	71.62	-1.57	407.63
	POVC	412+50.00	1195.83						
	PVI	413+00.00	1195.6						
	POVC	413+00.00	1194.03						
	POVC	413+50.00	1191.88						
	POVC	414+00.00	1189.38						
Symmetrical Parabola / EQNBK / EQNAHD	PVRC	414+50.00	1186.53	600	-6.04%	-3.28%	217.35	2.07	
	POVC	415+00.00	1183.57						
	POVC	415+50.00	1180.72						
	POVC	416+00.00	1177.98						
	POVC	416+50.00	1175.36						
	POVC	417+00.00	1172.86						
	PVI	417+50.00	1168.4						
	POVC	417+50.00	1170.47						
	POVC	418+00.00	1168.2						
	POVC	418+50.00	1166.04						
		418+58.01							
		A 0+00.00							
	POVC	A 0+00.00	1165.7						
	POVC	A 0+50.00	1163.67						
Symmetrical Parabola	PVC	A 1+00.00	1161.76	210	-3.28%	-3.23%	3611.4	0.02	
	POVC	A 1+50.00	1159.97						
	PVCC	A 1+91.99	1158.55						
	PVCC	A 1+91.99	1158.55						
	POVC	A 2+00.00	1158.29						
	POVC	A 2+50.00	1156.65						
	PVI	A 2+96.99	1155.1						
	POVC	A 3+00.00	1155.02						
	POVC	A 3+50.00	1153.39						
	POVC	A 4+00.00	1151.78						
Symmetrical Parabola	PVCC	A 4+01.99	1151.71	100	-3.23%	-3.04%	533.72	0.02	
	POVC	A 4+50.00	1150.19						
	PVI	A 4+51.99	1150.1						
	POVC	A 5+00.00	1148.64						
	PVT	A 5+01.99	1148.58						
	PVT	A 5+01.99	1148.58						
Linear	POVT	A 5+01.99	1148.58	198	-3.04%				
	POVT	A 5+50.00	1147.12						
	POVT	A 6+00.00	1145.6						
	POVT	A 6+50.00	1144.08						
	PVC	A 6+99.99	1142.56						
	PVC	A 6+99.99	1142.56						
Symmetrical Parabola	PVC	A 7+00.00	1142.56	200	-3.04%	-3.68%	311.03	-0.16	1778.24
	POVC	A 7+50.00	1141						
	PVI	A 7+99.99	1139.53						
	POVC	A 8+00.00	1139.37						
	POVC	A 8+50.00	1137.64						
	PVRC	A 8+99.99	1135.84						
Symmetrical Parabola	PVRC	A 8+99.99	1135.84	380	-3.68%	-1.96%	220.37	0.82	
	POVC	A 9+00.00	1135.84						
	POVC	A 9+50.00	1134.06						
	POVC	A 10+00.00	1132.39						
	POVC	A 10+50.00	1130.83						
	PVI	A 10+89.99	1128.85						
	POVC	A 11+00.00	1129.39						
	POVC	A 11+50.00	1128.06						
	POVC	A 12+00.00	1126.84						
	POVC	A 12+50.00	1125.74						
Symmetrical Parabola	PVCC	A 12+79.98	1125.13	380	-3.68%	-1.96%	220.37	0.82	
	POVC	A 13+00.00	1123.9						
	POVC	A 13+50.00	1122.75						
	POVC	A 14+00.00	1123.18						
	PVI	A 14+44.99	1121.9						
	POVC	A 14+50.00	1122.59						
	POVC	A 15+00.00	1122.15						
	POVC	A 15+50.00	1121.84						
	POVC	A 16+00.00	1121.67						
	PVT	A 16+09.99	1121.65						
	PVT	A 16+09.99	1121.65						
	POVT	A 16+50.00	1121.59						
	PVC	A 16+94.99	1121.52						
	PVC	A 16+94.99	1121.52						

POVT - POINT ON VERTICAL TANGENT  
POVC - POINT ON VERTICAL CURVE

Element	Type	Station	Elevation	Length	Entrance Grade	Exit Grade	K	Middle Ordinate	SSD/HSD
Symmetrical Parabola	PVCC	A 12+79.99	1125.13	330	-1.96%	-0.15%	183.02	0.74	
	POVC	A 13+00.00	1124.75						
	POVC	A 13+50.00	1123.9						
	POVC	A 14+00.00	1123.18						
	PVI	A 14+44.99	1121.9						
	POVC	A 14+50.00	1122.59						
	POVC	A 15+00.00	1122.15						
	POVC	A 15+50.00	1121.84						
	POVC	A 16+00.00	1121.67						
	PVT	A 16+09.99	1121.65						
Linear	PVT	A 16+09.99	1121.65	85	-0.15%				
	POVT	A 16+50.00	1121.59						
Symmetrical Parabola	PVC	A 16+94.99	1121.52	220	-0.15%	-2.08%	114.48	-0.53	671.54
	PVC	A 16+94.99	1121.52						
	POVC	A 17+00.00	1121.51						
	POVC	A 17+50.00	1121.3						
	POVC	A 18+00.00	1120.87						
	PVI	A 18+04.99	1121.35						
	POVC	A 18+50.00	1120.23						
	POVC	A 19+00.00	1119.37						
	PVRC	A 19+14.99	1119.06						
	PVRC	A 19+14.99	1119.06						
Symmetrical Parabola	PVC	A 19+50.00	1118.36	500	-2.08%	-0.32%	284.4	1.1	
	POVC	A 19+50.00	1118.36						
	POVC	A 20+00.00	1117.43						
	POVC	A 20+50.00	1116.58						
	POVC	A 21+00.00	1115.83						
	POVC	A 21+50.00	1115.16						
	PVI	A 21+64.99	1113.87						
	POVC	A 22+00.00	1114.58						
	POVC	A 22+50.00	1114.08						
	POVC	A 23+00.00	1113.68						
Linear	POVC	A 23+50.00	1113.36	285	-0.32%				
	POVC	A 23+50.00	1113.36						
	POVC	A 24+00.00	1113.13						
	PVT	A 24+14.99	1113.08						
	PVT	A 24+14.99	1113.08						
	POVT	A 24+50.00	1112.97						
	POVT	A 25+00.00	1112.81						
	POVT	A 25+50.00	1112.65						
	POVT	A 26+00.00	1112.49						
	POVT	A 26+50.00	1112.33						
Symmetrical Parabola	PVC	A 26+99.99	1112.17	380	-0.32%	4.17%	84.74	2.13	
	POVC	A 27+00.00	1112.17						
	VLOW	A 27+26.91	1112.13						
	POVC	A 27+50.00	1112.16						
	POVC	A 28+00.00	1112.45						
	POVC	A 28+50.00	1113.03						
	PVI	A 28+89.99	1111.57						
	POVC	A 29+00.00	1113.9						
	POVC	A 29+50.00	1115.07						
	POVC	A 30+00.00	1116.53						
Symmetrical Parabola	PVC	A 30+50.00	1118.29	650	4.17%	-2.12%	103.45	-5.11	