

**Sizing Guidelines for Rolling Dips**

Road Slope (%)	Upslope/ Downslope Approach Length	Reverse Grade Length	Total Length
<6	50	15	115
8	65	20	150
10	85	20	190
>12	100	25	225

**Estimated Sizing for Individual Project Features**

Station	Design Element	Road Slope (%)	Size		Rock Volume (ft3)
			Length	Width	TOTAL
45+06	AZ Crossing	0	35	24	794
46+30	Rolling Dip	13	225	26	16
48+24	Rolling Dip	13	225	29	16
64+00	Armoured Rolling Dip	6	150	23	106
74+25	AZ Crossing + Gravel Resurfacing	11	190	27	1087
83+31	AZ Crossing	13	225	22	4175
109+10	Rolling Dip	11	190	23	16
118+68	Rolling Dip	5	115	22	16
133+60	Rolling Dip	12	225	22	16
135+87	Rolling Dip	12	225	23	16
138+15	Rolling Dip	12	225	26	16
144+00	AZ Crossing	0	35	25	16
147+77	Rolling Dip	10	190	25	16
151+14	Rolling Dip	10	190	25	16
154+33	Rolling Dip	10	190	25	16
157+44	Rolling Dip	10	190	26	16
164+79	AZ Crossing	1	35	24	807
176+75	AZ Crossing	10	190	24	3605
182+22	Rolling Dip	10	190	26	16
186+17	AZ Crossing	10	190	33	3611
186+97	Rolling Dip	10	190	26	16
188+79	Rolling Dip	10	190	26	16
189+41	Rolling Dip	10	190	26	16
191+39	Rolling Dip	10	190	26	16
191+87	Rolling Dip	10	190	25	16
200+46	Rolling Dip	10	190	26	16
201+77	Rolling Dip	10	190	25	16
<b>Rock Volume - Total CY</b>					<b>537</b>