

31 14 Earth Stripping and Stockpiling

31 14 13 – Soil Stripping and Stockpiling

31 14 13.23 Topsoil Stripping and Stockpiling		Daily	Labor-			2022 Bare Costs			Total
		Crew	Output	Hours	Unit	Material	Labor	Equipment	Incl O&P
0010	TOPSOIL STRIPPING AND STOCKPILING								
0020	200 HP dozer, ideal conditions	B-10B	2300	.005	C.Y.		.29	.59	1.07
0100	Adverse conditions	"	1150	.010			.58	1.17	2.15
0200	300 HP dozer, ideal conditions	B-10M	3000	.004			.22	.54	.93
0300	Adverse conditions	"	1650	.007			.40	.99	1.69
0400	400 HP dozer, ideal conditions	B-10X	3900	.003			.17	.64	.95
0500	Adverse conditions	"	2000	.006			.33	1.24	1.86
0600	Clay, dry and soft, 200 HP dozer, ideal conditions	B-10B	1600	.008			.42	.84	1.55
0700	Adverse conditions	"	800	.015			.83	1.69	3.09
1000	Medium hard, 300 HP dozer, ideal conditions	B-10M	2000	.006			.33	.82	1.40
1100	Adverse conditions	"	1100	.011			.61	1.48	2.53
1200	Very hard, 400 HP dozer, ideal conditions	B-10X	2600	.005			.26	.95	1.43
1300	Adverse conditions	"	1340	.009			.50	1.85	2.77
1400	Loam or topsoil, remove and stockpile on site								
1420	6" deep, 200' haul	B-10B	865	.014	C.Y.		.77	1.56	2.85
1430	300' haul	"	520	.023			1.28	2.59	4.75
1440	500' haul	"	225	.053			2.96	6	11
1450	Alternate method: 6" deep, 200' haul	"	5090	.002	S.Y.		.13	.26	.48
1460	500' haul	"	1325	.009	"		.50	1.02	1.87
1500	Loam or topsoil, remove/stockpile on site								
1510	By hand, 6" deep, 50' haul, less than 100 S.Y.	B-1	100	.240	S.Y.		11.10		16.55
1520	By skid steer, 6" deep, 100' haul, 101-500 S.Y.	B-62	500	.048			2.37	.53	4.11
1530	100' haul, 501-900 S.Y.	"	900	.027			1.32	.29	2.28
1540	200' haul, 901-1,100 S.Y.	B-63	1000	.040			1.92	.26	3.14
1550	By dozer, 200' haul, 1,101-4,000 S.Y.	B-10B	4000	.003	S.Y.		.17	.34	.62

31 22 Grading

31 22 13 – Rough Grading

31 22 13.20 Rough Grading Sites

0010	ROUGH GRADING SITES								
0100	Rough grade sites 400 S.F. or less, hand labor	B-1	2	12	Ea.		555		825
0120	410-1,000 S.F.	"	1	24			1,100		1,650
0130	1,100-3,000 S.F., skid steer & labor	B-62	1.50	16			790	175	1,375
0140	3,100-5,000 S.F.	"	1	24			1,175	263	2,075
0150	5,100-8,000 S.F.	B-63	1	40			1,925	263	3,150
0160	8,100-10,000 S.F.	"	.75	53.333			2,550	350	4,175
0170	8,100-10,000 S.F., dozer	B-10L	1	12			665	535	1,575
0200	Rough grade open sites 10,000-20,000 S.F., grader	B-11L	1.80	8.889			470	430	1,175
0210	20,100-25,000 S.F.	"	1.40	11.429			605	550	1,500
0220	25,100-30,000 S.F.	"	1.20	13.333			705	640	1,750
0230	30,100-35,000 S.F.	"	1	16			850	770	2,100
0240	35,100-40,000 S.F.	"	.90	17.778			940	855	2,350
0250	40,100-45,000 S.F.	"	.80	20			1,050	965	2,625
0260	45,100-50,000 S.F.	"	.72	22.222			1,175	1,075	2,925
0270	50,100-75,000 S.F.	"	.50	32			1,700	1,550	4,225
0280	75,100-100,000 S.F.	"	.36	44.444			2,350	2,150	5,850