## 31 23 Excavation and Fill

21	03 1	16	Excava	tion
			-XM-1	

		Daily Labor-	2022 Bare Costs		Total
31 23	16.46 Excavating, Bulk, Dozer	Crew Output Hours Unit	Material Labor Equipment		Incl O&P
4420	Common earth	B-10B 270 .044 B.C.Y.	2.47 4.99		9.15
4440	Clay	[ 🗼   170   .071	3.92 7.95		14.60
5000	300 HP, 50' haul, sand & gravel	B-10M 1900   .006	.35   .86	1	1.46
5010	Sandy clay & loam	1850 .006	.36   .88		1.51
5020	Common earth	1650 .007	.99		1.69
5040 -	Clay	1025 .012	.65		2.72
5200	150' haul, sand & gravel	920 .013	1.72		3.03
5210	Sandy clay & loam	, 895 .013	.74 3 3 1.82		3.12
5220	. Common earth	800   .015	.83 2.04		3.48
5240	Clay	500   .024	1.33   3.20	4.59	5.55
5400	300' haul, sand & gravel	470   .026	1.42	7 4.89	5.95
5410	Sandy clay & loam	[   455   .026	1.46 3.59		6.10
5420	Common earth	410 .029	1.62 3.98		6.80
5440	Clay	250 .048	2.66		11.15
5500	460 HP, 50' haul, sand & gravel	B-10X 1930 .006	.34 , 1.21	8 1.62	1.92
5506	Sandy clay & loam	1880 .006	.35	2 [ ~ 1.67	1.98
5510	Common earth	1680 .007	.40	8   1.88	2.21
5520	Clay	1050   .011	.63 2.3	6 2.99	3.54
5530	150' haul, sand & gravel	1290 .009	.52 1.9	2.44	2.88
5535	Sandy clay & loam	1250 .010	.53 1.9	8 2.51	2.97
5540	Common earth	1120 .011	.59 2.2	1: 2.80	3.31
5550	Clay	700 .017	.95 3.5	4.49	5.30
5560	300' haul, sand & gravel	, 660 .018	1.01	6 4.77	5.65
5565	Sandy clay & loam	640 .019	1.04	7 4.91	5.80
5570	Common earth	575 .021	1.16 4.3	5.47	6.45
5580	Clay	350 .034	1.90 7.1	0 9	10.65
6000	700 HP, 50' haul, sand & gravel	B-10V 3500 .003	.19 1.1	4 1.33	1.53
6006	Sandy clay & loam	″ 3400 · .004 ↓	.20 1.1	7 1.37	1.58
6010	Common earth	B-10V 3035 .004 B.C.Y.	.22 1.3		1.77
6020	Clay	1925 .006	.35 2.0	6 2.41	2.78
6030	150' haul, sand & gravel	2025 .006	.33 1.9	6 2.29	2.65
6035	Sandy clay & loam	1960 .006	.34 2.0	3 2.37	2.74
6040	Common earth	1750 : .007	.38   2.2	7 2.65	3.07
6050	Clay	1100 : .011	.61 3.6	1 4.22	4.87
6060	300' haul, sand & gravel	1030 : .012	.65 3.8	6 4.51	5.20
6065	Sandy clay & loam	1005 .012	.66 3.9	6 4.62	5.35
6070	Common earth	900 .013	.74 4.4	2 5.16	5.95
6080	Clay .	550 .022	1.21	5 8.46	9.75

31 23 16.50 Excavation, Bulk, Scrapers

31 2	3 16.50 Excavation, Bulk, Scrapers	* * * * * * * **		_				The state of the s			
0010	EXCAVATION, BULK, SCRAPERS	R312316-40									
0100	Elev. scraper 11 C.Y., sand & gravel 1,500' haul, 1/4 dozer		B-33F	690	.020	B.C.Y.		1.14	2.02	3.16	3.93
0150	3,000' haul			610	.023	1 1		1.29	2.29	3.58	4.44
0200	5,000' haul .			505	.028		i	1.56	2.77	4.33	5.35
0300	Common earth, 1,500' haul			600	.023		e de la companya de l	1.31	2.33	3.64	4.51
0350	3,000' haul			530	.026		1	1.48	2.64	4.12	5.10
0400	5,000' haul			440	.032			1.79	3.18	4.97	6.15
0410	Sandy clay & loam, 1,500' haul			648	.022			1.21	2.16	3.37	4.18
0420				572	.024			1.37	2.44	3.81	4.74
0430	5,000' haul			475	.029			1.66	2.94	4.60	5.70
0500	Clay, 1,500' haul			375	.037			2.10	3.73	5.83	7.20
0550	3.000' haul			330	.042	Mary spin		2.38	4.23	6.61	8.20
0600			-	275	.051	+		2.86	5.10	7.96	9.85