31 23 Excavation and Fill

-	-	4 0			4.0
	9 20 4	9 6	Exc	21/2	FIAM
	B V 479 1	1 60	 EAU		14141

			Daily Labor-			2022 Bare Costs				Total
	3 16.42 Excavating, Bulk Bank Measure	Crew	Output	Hours		Material	Labor	Equipment	Total	Incl O&P
4100	For heavy soil or stiff clay, add	1			B.C.Y.				60%	60%
4200	For wet excavation with clamshell or dragline, add	1							100%	100%
4250	All other equipment, add	- 2011		100	2CV		5.45	7.15	50%	50%
4400		B-12H					5.45	7.65	13.10	16.50
4450		"	60	.267	"	1	14.55	20.50	35.05	44
5000									3.50/	150/
5020		0.104	240	017	D.C.V		01	O.E.	15%	15%
5100	Excavator, hydraulic, crawler mtd., 1 C.Y. cap. = 120 C.Y./hr.	B-12A		.017			.91	.95	1.86	2.40
5150	1-1/2 C.Y. cap. = 150 C.Y./hr.	B-12B		.013			.73	.82	1.55	1.99
5300	2 C.Y. cop. = 195 C.Y./hr.	B-12C		.010			.56	.62	1.18	1.51
5400	3 C.Y. cap. = 300 C.Y./hr.	B-12D		.007			.36	.94	1.30	1.57
5500		I D 12E	2800		1 1 1		.31	.80	1.11	1.34
5610		B-12E		.045	, ,		2.48	1.86	4.34	
5660		B-12F	528	.030			1.65	1.66	3.31	4.28
8000										
	3 16.46 Excavating, Bulk, Dozer									
0010	EXCAVATING, BULK, DOZER Open site									- 5
2000	80 HP, 50' haul, sand & gravel	B-10L	460	.026	B.C.Y.		1.45	1.16	2.61	3.43
2010	Sandy clay & loam	0102	440	.026			1.51	1.10	2.73	
2010			400	.030	1	1	1.66		3	3.95
2040			250	.030			2.66		4.80	
2200			230	.052	, , ,	1	2.89		5.22	
2210			220	.055		1	3.03		5.46	
2210	Common earth	:	200	.060			3.33	2.43	6.01	7.20
2240	Clay	; ;	125	.096			5.35	4.29	9.64	12.60
2400	300' haul, sand & gravel		120	.100			5.55	4.46	10.01	13.15
2410	Sandy clay & loam	1 -	115	.104			5.80	4.46	10.46	
2410			1100	1.120	1 1	1	6.65		10.40	15.80
2440			65	1.120			10.25		18.50	
3000	•	B-10W		.103			.95		1.89	
3010		D 1011	680	.017			.98		1.95	
3020	Common earth	1 1	610	.020			1.09	1.08	2.17	2.81
3040	Clay		385	.020			1.73	1.71	3.44	
3200	150' haul, sand & gravel		310	.039			2.15	2.13	4.28	
3210			300	.040			2.13		4.42	
3210		2	270	.040		1	2.47		4.42	
3240			170	.071			3.92		7.80	
3300	· ·		140	.086			4.75		9.46	
3310		1	135	.089			4.93		9.82	
3320			120	.100			5.55		11.05	
3340		B-10W		.120			6.65		13.25	
4000		B-10B				1	.48		1.44	
4010	· · · · · · · · · · · · · · · · · · ·	1	1360				.49	.70	1.48	
4020			1230			1	.54		1.64	
4040			770	.016			.86	1.75	2.61	
4200			595	.020			1.12		3.39	
4210			580	.020			1.15		3.48	4
4220			516	.021			1.13	2.61	3.90	
4240			325	.023			2.05		6.20	
4400	·		310	.037			2.03		6.50	
1700	Joo Huul, Suhu & graver		310	.007			2.13	7.03	0.50	

4410

Sandy clay & loam

300 .040

2.22

4.50

6.72