

31 23 Excavation and Fill

31 23 23 - Fill

31 23 23.20 Hauling		Crew	Daily Output	Labor-Hours	Unit	Material	2022 Bare Costs		Total	Total Incl O&P
							Labor	Equipment		
1668	cycle 20 miles	B-34B	84	.095	L.C.Y.		5.05	9.15	14.20	17.60
1669	cycle 30 miles		72	.111			5.90	10.65	16.55	20.50
1670	cycle 40 miles		60	.133			7.05	12.80	19.85	24.50
1672	40 MPH avg., cycle 6 miles	B-34B	144	.056	L.C.Y.		2.95	5.35	8.30	10.25
1674	cycle 8 miles		132	.061			3.22	5.80	9.02	11.20
1676	cycle 10 miles		120	.067			3.54	6.40	9.94	12.35
1678	cycle 20 miles		96	.083			4.42	8	12.42	15.40
1680	cycle 30 miles		72	.111			5.90	10.65	16.55	20.50
1682	cycle 40 miles		60	.133			7.05	12.80	19.85	24.50
1684	cycle 50 miles		48	.167			8.85	16	24.85	31
1694	45 MPH avg., cycle 8 miles		144	.056			2.95	5.35	8.30	10.25
1696	cycle 10 miles		132	.061			3.22	5.80	9.02	11.20
1698	cycle 20 miles		96	.083			4.42	8	12.42	15.40
1700	cycle 30 miles		84	.095			5.05	9.15	14.20	17.60
1702	cycle 40 miles		60	.133			7.05	12.80	19.85	24.50
1704	cycle 50 miles		60	.133			7.05	12.80	19.85	24.50
1706	50 MPH avg., cycle 10 miles		132	.061			3.22	5.80	9.02	11.20
1708	cycle 20 miles		108	.074			3.93	7.10	11.03	13.65
1710	cycle 30 miles		84	.095			5.05	9.15	14.20	17.60
1712	cycle 40 miles		72	.111			5.90	10.65	16.55	20.50
1714	cycle 50 miles		60	.133			7.05	12.80	19.85	24.50
2000	Hauling, 8 C.Y. truck, small project cost per hour	B-34A	8	1	Hr.		53	49	102	134
2100	12 C.Y. truck	B-34B	8	1			53	96	149	186
2150	16.5 C.Y. truck	B-34C	8	1			53	82	135	170
2175	18 C.Y. 8 wheel truck	B-34I	8	1			53	95	148	185
2200	20 C.Y. truck	B-34D	8	1			53	84	137	172
2300	Grading at dump, or embankment if required, by dozer	B-10B	1000	.012	L.C.Y.		.67	1.35	2.02	2.47
2310	Spotter at fill or cut, if required	1 Clob	8	1	Hr.		45.50		45.50	68
9014	18 C.Y. truck, 8 wheels, 15 min. wait/ld./uld., 15 MPH, cycle 0.5 mi.	B-34I	504	.016	L.C.Y.		.84	1.51	2.35	2.92
9016	cycle 1 mile		450	.018			.94	1.69	2.63	3.27
9018	cycle 2 miles		378	.021			1.12	2.02	3.14	3.90
9020	cycle 4 miles		270	.030			1.57	2.82	4.39	5.45
9022	cycle 6 miles		216	.037			1.96	3.53	5.49	6.80
9024	cycle 8 miles		180	.044			2.36	4.23	6.59	8.15
9025	cycle 10 miles		144	.056			2.95	5.30	8.25	10.20
9026	20 MPH avg., cycle 0.5 mile		522	.015			.81	1.46	2.27	2.82
9028	cycle 1 mile		468	.017			.91	1.63	2.54	3.14
9030	cycle 2 miles		414	.019			1.03	1.84	2.87	3.55
9032	cycle 4 miles		324	.025			1.31	2.35	3.66	4.55
9034	cycle 6 miles		252	.032			1.68	3.02	4.70	5.85
9036	cycle 8 miles		216	.037			1.96	3.53	5.49	6.80
9038	cycle 10 miles	B-34I	180	.044	L.C.Y.		2.36	4.23	6.59	8.15
9040	25 MPH avg., cycle 4 miles		342	.023			1.24	2.23	3.47	4.30
9042	cycle 6 miles		288	.028			1.47	2.64	4.11	5.10
9044	cycle 8 miles		252	.032			1.68	3.02	4.70	5.85
9046	cycle 10 miles		216	.037			1.96	3.53	5.49	6.80
9050	30 MPH avg., cycle 4 miles		378	.021			1.12	2.02	3.14	3.90
9052	cycle 6 miles		324	.025			1.31	2.35	3.66	4.55
9054	cycle 8 miles		270	.030			1.57	2.82	4.39	5.45
9056	cycle 10 miles		234	.034			1.81	3.26	5.07	6.30
9060	35 MPH avg., cycle 4 miles		396	.020			1.07	1.92	2.99	3.72
9062	cycle 6 miles		342	.023			1.24	2.23	3.47	4.30
9064	cycle 8 miles		288	.028			1.47	2.64	4.11	5.10