

# 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		
1028	cycle 1 mile	B-34B	312	.026	L.C.Y.		1.36	2.46	3.82	4.74
1030	cycle 2 miles		276	.029			1.54	2.78	4.32	5.35
1032	cycle 4 miles		216	.037			1.96	3.55	5.51	6.85
1034	cycle 6 miles		168	.048			2.53	4.57	7.10	8.80
1036	cycle 8 miles		144	.056			2.95	5.35	8.30	10.25
1038	cycle 10 miles		120	.067			3.54	6.40	9.94	12.35
1040	25 MPH avg., cycle 4 miles	B-34B	228	.035	L.C.Y.		1.86	3.37	5.23	6.50
1042	cycle 6 miles		192	.042			2.21	4	6.21	7.70
1044	cycle 8 miles		168	.048			2.53	4.57	7.10	8.80
1046	cycle 10 miles		144	.056			2.95	5.35	8.30	10.25
1050	30 MPH avg., cycle 4 miles		252	.032			1.68	3.05	4.73	5.85
1052	cycle 6 miles		216	.037			1.96	3.55	5.51	6.85
1054	cycle 8 miles		180	.044			2.36	4.26	6.62	8.20
1056	cycle 10 miles		156	.051			2.72	4.92	7.64	9.45
1060	35 MPH avg., cycle 4 miles		264	.030			1.61	2.91	4.52	5.60
1062	cycle 6 miles		228	.035			1.86	3.37	5.23	6.50
1064	cycle 8 miles		204	.039			2.08	3.76	5.84	7.25
1066	cycle 10 miles		180	.044			2.36	4.26	6.62	8.20
1068	cycle 20 miles		120	.067			3.54	6.40	9.94	12.35
1069	cycle 30 miles		84	.095			5.05	9.15	14.20	17.60
1070	cycle 40 miles		72	.111			5.90	10.65	16.55	20.50
1072	40 MPH avg., cycle 6 miles		240	.033			1.77	3.20	4.97	6.15
1074	cycle 8 miles		216	.037			1.96	3.55	5.51	6.85
1076	cycle 10 miles		192	.042			2.21	4	6.21	7.70
1078	cycle 20 miles		120	.067			3.54	6.40	9.94	12.35
1080	cycle 30 miles		96	.083			4.42	8	12.42	15.40
1082	cycle 40 miles		72	.111			5.90	10.65	16.55	20.50
1084	cycle 50 miles		60	.133			7.05	12.80	19.85	24.50
1094	45 MPH avg., cycle 8 miles		216	.037			1.96	3.55	5.51	6.85
1096	cycle 10 miles		204	.039			2.08	3.76	5.84	7.25
1098	cycle 20 miles		132	.061			3.22	5.80	9.02	11.20
1100	cycle 30 miles		108	.074			3.93	7.10	11.03	13.65
1102	cycle 40 miles		84	.095			5.05	9.15	14.20	17.60
1104	cycle 50 miles		72	.111			5.90	10.65	16.55	20.50
1106	50 MPH avg., cycle 10 miles		216	.037			1.96	3.55	5.51	6.85
1108	cycle 20 miles		144	.056			2.95	5.35	8.30	10.25
1110	cycle 30 miles		108	.074			3.93	7.10	11.03	13.65
1112	cycle 40 miles		84	.095			5.05	9.15	14.20	17.60
1114	cycle 50 miles		72	.111			5.90	10.65	16.55	20.50
1214	15 MPH avg., cycle 0.5 mile, 20 min. wait/lid./uld.		264	.030			1.61	2.91	4.52	5.60
1216	cycle 1 mile		240	.033			1.77	3.20	4.97	6.15
1218	cycle 2 miles		204	.039			2.08	3.76	5.84	7.25
1220	cycle 4 miles		156	.051			2.72	4.92	7.64	9.45
1222	cycle 6 miles		132	.061			3.22	5.80	9.02	11.20
1224	cycle 8 miles		108	.074			3.93	7.10	11.03	13.65
1225	cycle 10 miles	B-34B	96	.083	L.C.Y.		4.42	8	12.42	15.40
1226	20 MPH avg., cycle 0.5 mile		264	.030			1.61	2.91	4.52	5.60
1228	cycle 1 mile		252	.032			1.68	3.05	4.73	5.85
1230	cycle 2 miles		216	.037			1.96	3.55	5.51	6.85
1232	cycle 4 miles		180	.044			2.36	4.26	6.62	8.20
1234	cycle 6 miles		144	.056			2.95	5.35	8.30	10.25
1236	cycle 8 miles		132	.061			3.22	5.80	9.02	11.20
1238	cycle 10 miles		108	.074			3.93	7.10	11.03	13.65