

# 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		
9066	cycle 10 miles	B-341	270	.030	L.C.Y.		1.57	2.82	4.39	5.45
9068	cycle 20 miles		162	.049			2.62	4.70	7.32	9.05
9070	cycle 30 miles		126	.063			3.37	6.05	9.42	11.70
9072	cycle 40 miles		90	.089			4.72	8.45	13.17	16.35
9074	40 MPH avg., cycle 6 miles		360	.022			1.18	2.12	3.30	4.09
9076	cycle 8 miles		324	.025			1.31	2.35	3.66	4.55
9078	cycle 10 miles		288	.028			1.47	2.64	4.11	5.10
9080	cycle 20 miles		180	.044			2.36	4.23	6.59	8.15
9082	cycle 30 miles		144	.056			2.95	5.30	8.25	10.20
9084	cycle 40 miles		108	.074			3.93	7.05	10.98	13.60
9086	cycle 50 miles		90	.089			4.72	8.45	13.17	16.35
9094	45 MPH avg., cycle 8 miles		324	.025			1.31	2.35	3.66	4.55
9096	cycle 10 miles		306	.026			1.39	2.49	3.88	4.81
9098	cycle 20 miles		198	.040			2.14	3.85	5.99	7.45
9100	cycle 30 miles		144	.056			2.95	5.30	8.25	10.20
9102	cycle 40 miles		126	.063			3.37	6.05	9.42	11.70
9104	cycle 50 miles		108	.074			3.93	7.05	10.98	13.60
9106	50 MPH avg., cycle 10 miles		324	.025			1.31	2.35	3.66	4.55
9108	cycle 20 miles		216	.037			1.96	3.53	5.49	6.80
9110	cycle 30 miles		162	.049			2.62	4.70	7.32	9.05
9112	cycle 40 miles		126	.063			3.37	6.05	9.42	11.70
9114	cycle 50 miles		108	.074			3.93	7.05	10.98	13.60
9214	20 min. wait/d./uld., 15 MPH, cycle 0.5 mi.		396	.020			1.07	1.92	2.99	3.72
9216	cycle 1 mile		360	.022			1.18	2.12	3.30	4.09
9218	cycle 2 miles		306	.026			1.39	2.49	3.88	4.81
9220	cycle 4 miles		234	.034			1.81	3.26	5.07	6.30
9222	cycle 6 miles		198	.040			2.14	3.85	5.99	7.45
9224	cycle 8 miles	B-341	162	.049	L.C.Y.		2.62	4.70	7.32	9.05
9225	cycle 10 miles		144	.056			2.95	5.30	8.25	10.20
9226	20 MPH avg., cycle 0.5 mile		396	.020			1.07	1.92	2.99	3.72
9228	cycle 1 mile		378	.021			1.12	2.02	3.14	3.90
9230	cycle 2 miles		324	.025			1.31	2.35	3.66	4.55
9232	cycle 4 miles		270	.030			1.57	2.82	4.39	5.45
9234	cycle 6 miles		216	.037			1.96	3.53	5.49	6.80
9236	cycle 8 miles		198	.040			2.14	3.85	5.99	7.45
9238	cycle 10 miles		162	.049			2.62	4.70	7.32	9.05
9240	25 MPH avg., cycle 4 miles		288	.028			1.47	2.64	4.11	5.10
9242	cycle 6 miles		252	.032			1.68	3.02	4.70	5.85
9244	cycle 8 miles		216	.037			1.96	3.53	5.49	6.80
9246	cycle 10 miles		198	.040			2.14	3.85	5.99	7.45
9250	30 MPH avg., cycle 4 miles		306	.026			1.39	2.49	3.88	4.81
9252	cycle 6 miles		270	.030			1.57	2.82	4.39	5.45
9254	cycle 8 miles		234	.034			1.81	3.26	5.07	6.30
9256	cycle 10 miles		216	.037			1.96	3.53	5.49	6.80
9260	35 MPH avg., cycle 4 miles		324	.025			1.31	2.35	3.66	4.55
9262	cycle 6 miles		288	.028			1.47	2.64	4.11	5.10
9264	cycle 8 miles		252	.032			1.68	3.02	4.70	5.85
9266	cycle 10 miles		234	.034			1.81	3.26	5.07	6.30
9268	cycle 20 miles		162	.049			2.62	4.70	7.32	9.05
9270	cycle 30 miles		108	.074			3.93	7.05	10.98	13.60
9272	cycle 40 miles		90	.089			4.72	8.45	13.17	16.35
9274	40 MPH avg., cycle 6 miles		288	.028			1.47	2.64	4.11	5.10
9276	cycle 8 miles		270	.030			1.57	2.82	4.39	5.45