

32 32 Retaining Walls

32 32 13 – Cast-in-Place Concrete Retaining Walls

32 32 13.10 Retaining Walls, Cast Concrete		Crew	Daily Output	Labor-Hours	Unit	Material	2022 Bare Costs		Total	Total Incl O&P
0010 RETAINING WALLS, CAST CONCRETE							Labor	Equipment		
1800	Concrete gravity wall with vertical face including excavation & backfill									
1850	No reinforcing									
1900	6' high, level embankment	C-17C	36	2.306	L.F.	116	137	25.50	278.50	360
2000	33° slope embankment		32	2.594		136	154	28.50	318.50	410
2200	8' high, no surcharge		27	3.074		145	183	34	362	470
2300	33° slope embankment		24	3.458		175	206	38	419	545
2500	10' high, level embankment		19	4.368		207	260	48	515	670
2600	33° slope embankment		18	4.611		287	274	51	612	780
2800	Reinforced concrete cantilever, incl. excavation, backfill & reinf.									
2900	6' high, 33° slope embankment	C-17C	35	2.371	L.F.	106	141	26	273	360
3000	8' high, 33° slope embankment		29	2.862		123	170	31.50	324.50	425
3100	10' high, 33° slope embankment		20	4.150		159	247	45.50	451.50	595
3200	20' high, 500 lb./L.F. surcharge		7.50	11.067		480	660	122	1,262	1,650
3500	Concrete cribbing, incl. excavation and backfill									
3700	12' high, open face	B-13	210	.267	S.F.	53	13.25	9.95	76.20	89
3900	Closed face	"	210	.267	"	50	13.25	9.95	73.20	85.50
4100	Concrete filled slurry trench, see Section 31 56 23.20									

32 32 23 – Segmental Retaining Walls

32 32 23.13 Segmental Conc. Unit Masonry Retaining Walls

0010 SEGMENTAL CONC. UNIT MASONRY RETAINING WALLS										
7100	Segmental retaining wall system, incl. pins and void fill									
7120	base and backfill not included									
7140	Large unit, 8" high x 18" wide x 20" deep, 3 plane split	B-62	300	.080	S.F.	18.35	3.95	.88	23.18	27
7150	Straight split		300	.080		18.30	3.95	.88	23.13	27
7160	Medium, lt. wt., 8" high x 18" wide x 12" deep, 3 plane split		400	.060		9.50	2.96	.66	13.12	15.60
7170	Straight split		400	.060		13.15	2.96	.66	16.77	19.60
7180	Small unit, 4" x 18" x 10" deep, 3 plane split		400	.060		20.50	2.96	.66	24.12	27.50
7190	Straight split		400	.060		15.80	2.96	.66	19.42	22.50
7200	Cap unit, 3 plane split		300	.080		18.55	3.95	.88	23.38	27.50
7210	Cap unit, straight split		300	.080		18.55	3.95	.88	23.38	27.50
7250	Geo-grid soil reinforcement 4' x 50'	2 Clab	22500	.001		.66	.03		.69	.78
7255	Geo-grid soil reinforcement 6' x 150'	2 Clab	22500	.001	S.F.	.74	.03		.77	.86

32 32 26 – Metal Crib Retaining Walls

32 32 26.10 Metal Bin Retaining Walls

0010 METAL BIN RETAINING WALLS										
0011	Aluminized steel bin, excavation									
0020	and backfill not included, 10' wide									
0100	4' high, 5.5' deep	B-13	650	.086	S.F.	34.50	4.28	3.22	42	48
0200	8' high, 5.5' deep		615	.091		40	4.52	3.40	47.92	54.50
0300	10' high, 7.7' deep		580	.097		44.50	4.79	3.61	52.90	60
0400	12' high, 7.7' deep		530	.106		48	5.25	3.95	57.20	65
0500	16' high, 7.7' deep		515	.109		50.50	5.40	4.06	59.96	68.50
0600	16' high, 9.9' deep		500	.112		56.50	5.55	4.19	66.24	75
0700	20' high, 9.9' deep		470	.119		63.50	5.90	4.45	73.85	83.50
0800	20' high, 12.1' deep		460	.122		55.50	6.05	4.55	66.10	75
0900	24' high, 12.1' deep		455	.123		59	6.10	4.60	69.70	78.50
1000	24' high, 14.3' deep		450	.124		83.50	6.20	4.65	94.35	106
1100	28' high, 14.3' deep		440	.127		86.50	6.30	4.76	97.56	110
1300	For plain galvanized bin type walls, deduct					10%				