

03 30 Cast-In-Place Concrete

03 30 53 – Miscellaneous Cast-In-Place Concrete

03 30 53.40 Concrete In Place		Crew	Daily Output	Labor-Hours	Unit	Material	2022 Base Costs		Total	Total Incl O&P
							Labor	Equipment		
5600	1:6 (3000 psi) for ground slab with radiant heat	C-14F	92	.783	C.Y.	119	40	.31	159.31	190
5650	1:3:2 (2000 psi) with sand aggregate, roof deck	C-14B	260	.800		113	45	3.01	161.01	194
5700	Ground slab (2000 psi)	C-14F	107	.673		113	34	.26	147.26	175
5900	Pile caps (3000 psi), incl. forms and reinf., sq. or rect., under 10 C.Y.	C-14C	54.14	2.069		265	111	.52	376.52	460
5950	Over 10 C.Y.		75	1.493		246	80.50	.37	326.87	390
6000	Triangular or hexagonal, under 10 C.Y.		53	2.113		193	114	.53	307.53	380
6050	Over 10 C.Y.		85	1.318		216	71	.33	287.33	340
6200	Retaining walls (3000 psi), gravity, 4' high see Section 32 32	C-14D	66.20	3.021		214	169	11.80	394.80	500
6250	10' high		125	1.600		206	89.50	6.25	301.75	365
6300	Cantilever, level backfill loading, 8' high		70	2.857		228	160	11.15	399.15	500
6350	16' high		91	2.198		222	123	8.60	353.60	435
6800	Stairs (3500 psi), not including safety treads, free standing, 3'-6" wide	C-14H	83	.578	LF Nose	8.65	32	.34	40.99	57.50
6850	Cast on ground		125	.384	"	7.10	21	.22	28.32	39.50
7000	Stair landings, free standing		200	.240	S.F.	6.95	13.20	.14	20.29	27.50
7050	Cast on ground		475	.101	"	5.40	5.55	.06	11.01	14.25

03 31 Structural Concrete

03 31 13 – Heavyweight Structural Concrete

03 31 13.25 Concrete, Hand Mix

0010	CONCRETE, HAND MIX for small quantities or remote areas									
0050	Includes bulk local aggregate, bulk sand, bagged Portland cement (Type I) and water, using gas powered cement mixer									
0125	2500 psi	C-30	135	.059	C.F.	4.21	2.70	1.04	7.95	9.80
0130	3000 psi		135	.059		4.54	2.70	1.04	8.28	10.15
0135	3500 psi		135	.059		4.78	2.70	1.04	8.52	10.40
0140	4000 psi		135	.059		5.05	2.70	1.04	8.79	10.70
0145	4500 psi		135	.059		5.40	2.70	1.04	9.14	11.10
0150	5000 psi		135	.059		5.70	2.70	1.04	9.44	11.40
0300	Using pre-bagged dry mix and wheelbarrow (80-lb. bag = 0.6 C.F.)									
0340	4000 psi	1 Clab	48	.167	C.F.	11.75	7.60		19.35	24

03 31 13.30 Concrete, Volumetric Site-Mixed

0010	CONCRETE, VOLUMETRIC SITE-MIXED									
0015	Mixed on-site in volumetric truck									
0020	Includes local aggregate, sand, Portland cement (Type I) and water									
0025	Excludes all additives and treatments									
0100	3000 psi, 1 C.Y. mixed and discharged				C.Y.	220			220	242
0110	2 C.Y.					162			162	178
0120	3 C.Y.					147			147	161
0130	4 C.Y.					129			129	142
0140	5 C.Y.					126			126	139
0200	For truck holding/waiting time past first 2 on-site hours, add				Hr.	94			94	103
0210	For trip charge beyond first 20 miles, each way, add				Mile	3.72			3.72	4.09
0220	For each additional increase of 500 psi, add				Ea.	4.78			4.78	5.25

03 31 13.35 Heavyweight Concrete, Ready Mix

0010	HEAVYWEIGHT CONCRETE, READY MIX , delivered		R033105-10							
0012	Includes local aggregate, sand, Portland cement (Type I) and water									
0015	Excludes all additives and treatments									
0020	2000 psi				C.Y.	152			152	167
0100	2500 psi		R033105-30			155			155	170
0150	3000 psi					159			159	175