

Item	Description	Takeoff Qty	Labor		Material	Total
			Unit Cost	Amount	Amount	Amount
03000.000 CONCRETE						
03060.110	Aggregate					
0950	Aggregate, loaded at pit, sand capillary break	308.642 cy	-	-	4,105	4,105
1050	Aggregate, loaded at pit, crushed stone base, 3/4" to 1-1/2", Aggregate	617.284 cy	-	-	14,815	14,815
					<u>18,920</u>	<u>18,920</u>
03060.850	Watrprfng and dampprfng					
n 1200	Underslab vapor barrier, visqueen membrane to 6 mil	50,000.00 sf			2,800	2,800
	Watrprfng and dampprfng				<u>2,800</u>	<u>2,800</u>
	108.00 Labor hours					
	CONCRETE			0	21,720	21,720
	108.00 Labor hours					
03100.000 CONCRETE FORMS&ACCESSORSS						
03110.430	Forms in place, footings					
0500	Forms in place, rebar templates for footings or beams, 1 use	500.00 lf	2.07 /lf	1,035	380	1,415
1550	Forms in place, footings, keyway, 4 use, tapered wood, 2" x 6"	500.00 lf	0.55 /lf	275	135	410
	Forms in place, footings			<u>1,310</u>	<u>515</u>	<u>1,825</u>
	40.00 Labor hours					
03110.435	Forms place, grade beam					
0100	Forms in place, grade beam, plywood, 3 use	1,515.00 sfca	2.67 /sfca	4,045	954	5,000
	Forms place, grade beam			<u>4,045</u>	<u>954</u>	<u>5,000</u>
	121.20 Labor hours					
03110.445	Forms place, slab grade					
2050	Forms in place, curb forms, wood, 6" - 12" high, 2 use	75.00 sfca	4.14 /sfca	311	91	401

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03110.445	Forms place, slab grade						
3000	Slab on grade edge forms, to 6" high, wood, 4 use	900.00	If	1.73 /lf	1,557	243	1,800
4000	Forms in place, SOG, edge, slab blockouts, to 12" high, wood, 1 use	250.00	If	5.20 /lf	1,300	183	1,483
	Forms place, slab grade				3,167	516	3,684
	97.60 Labor hours						
03110.455	Forms in place, walls						
2050	Forms in place, walls, job built plyform, to 8' high, 2 use, pit walls	528.00	sfca	4.38 /sfca	2,313	792	3,105
	Forms in place, walls				2,313	792	3,105
	69.44 Labor hours						
03150.250	Expansion joint						
0150	Cold joint, keyed, 24 ga, incl stakes, avg. 7.5" high	2,025.00	If	1.44 /lf	2,916	1,904	4,820
n 5500	Sawcut control joints, slab on grade	3,667.00	If			1,613	1,613
	Expansion joint				2,916	3,517	6,433
	121.943 Labor hours						
	55.01 Equipment hours						
03150.850	Accssrs,wall and foundatn						
3000	Accessories, form oil, coverage varies greatly, oil both sides	4.04	gal	-	-	27	27
	Accssrs,wall and foundatn					27	27
03150.860	Waterstop						
0850	Waterstop, PVC, dumbbell, 6" wide, 3/8" thick	500.00	If	1.89 /lf	945	1,115	2,060
1300	Waterstop, PVC, dumbbell type, split PVC, 3/8" thick, 9" wide	500.00	If	2.11 /lf	1,055	3,000	4,055
5200	Waterstop, field union, 3/8" x 6" wide	42.00	ea	5.50 /ea	231	821	1,052
5250	Waterstop, field union, 3/8" x 9" wide	42.00	ea	5.50 /ea	231	966	1,197
	Waterstop				2,462	5,902	8,364
	71.80 Labor hours						

Item	Description	Takeoff Qty	Labor		Material	Total
			Unit Cost	Amount	Amount	Amount
CONCRETE FORMS&ACCESSORSS				16,213	12,223	28,437
	521.972 Labor hours					
	55.01 Equipment hours					
03200.000 CONCRETE REINFORCEMENT						
03210.600	Reinforcing in place					
0500	Reinforcing in place, A615 Gr 60, footings, #4 to #7	8.333 ton	580.01 /ton	4,833	6,333	11,166
0600	Reinforcing in place, A615 Gr 60, slab or mat, #3 to #7	31.25 ton	530.003 /ton	16,563	23,750	40,313
n 0605	Reinforcing in place, A615 Gr 60, thickened edge, allow 28 lbs per CY	0.311 ton	530.00 /ton	165	236	401
n 0610	Reinforcing in place, #4 to #5 average, pads and curbs, allow 40 lb/cy	0.56 ton	530.00 /ton	295	423	717
n 0760	Reinforcing in place, A615 Gr 60, pit/trench walls, allow 5 lbs/sfwa	1.32 ton	405.00 /ton	535	1,003	1,538
2000	Reinforcing in place, unloading & sorting, add to above	8.333 ton	20.50 /ton	171	-	222
n 2005	Reinforcing in place, unloading & sorting, add to above - slabs	33.44 ton	20.50 /ton	685	-	891
2210	Reinforcing in place, crane cost for handling, add to above, average	8.333 ton	22.50 /ton	187	-	243
n 2215	Reinforcing in place, crane cost for handling, add to above, slabs	33.44 ton	22.50 /ton	752	-	976
	Reinforcing in place			24,186	31,745	56,468
	636.721 Labor hours					
	6.974 Equipment hours					
CONCRETE REINFORCEMENT				24,186	31,745	56,468
	636.721 Labor hours					
	6.974 Equipment hours					

03300.000 CAST-IN-PLACE CONCRETE

03310.220 Concrete, ready mix

Item	Description	Takeoff Qty	Labor		Material	Total
			Unit Cost	Amount	Amount	Amount
03310.220	Concrete, ready mix					
0150	Concrete, ready mix, regular weight, 3000 psi	143.06 cy	-	-	11,588	11,588
n 0155	Concrete, ready mix, regular weight, 3000 psi, slabs/mats	1,038.411 cy	-	-	84,111	84,111
	Concrete, ready mix				<u>95,699</u>	<u>95,699</u>
03310.700	Placing concrete					
2150	Placing conc, incl vib, footings, deep continuous, pumped	143.06 cy	11.50 /cy	1,645	-	2,318
4600	Placing conc, incl vib, slab on grade, 6" thick and >, direct chute	1,024.722 cy	8.15 /cy	8,352	-	8,649
4900	Placing conc, incl vib, walls, 8" thick, direct chute	13.69 cy	14.95 /cy	205	-	212
	Placing concrete			<u>10,201</u>		<u>11,178</u>
	362.63 Labor hours					
	123.26 Equipment hours					
03350.300	Finishing floors					
0250	Finishing floors, monolithic, machine trowel, for finish floor	50,000.00 sf	0.48 /sf	24,008	-	24,008
3800	Finishing floors, dustproofing, silicate liquids, 1 coat	50,000.00 sf	0.14 /sf	6,999	4,000	10,999
	Finishing floors			<u>31,007</u>	<u>4,000</u>	<u>35,007</u>
	938.00 Labor hours					
03390.200	Curing					
0300	Curing, sprayed membrane curing compound	500.00 csf	4.50 /csf	2,250	2,625	4,875
	Curing			<u>2,250</u>	<u>2,625</u>	<u>4,875</u>
	84.21 Labor hours					
CAST-IN-PLACE CONCRETE				43,458	102,324	146,759
	1,384.84 Labor hours					
	123.26 Equipment hours					

Estimate Totals

Description	Amount	Totals	Hours	Rate	Cost Basis	Cost per Unit	Percent of Total
Labor	83,858		##### hrs				27.03%
Material	168,012						54.16%
Subcontract							
Equipment	1,514		185.238 hrs				0.49%
Other							
	<u>253,384</u>	####					<u>81.68</u> 81.68%
Material Mark Up	16,801			10.000 %	C		5.42%
Contractor's G.C.'s	25,338			10.000 %	T		8.17%
Trade Contingency	12,669			5.000 %	T		4.08%
Taxes and Insurance	1,706			0.550 %	T		0.55%
Design Permit Lump	300				I		0.10%
Total		####					