

Estimate Detail - Standard Construction Project

Detail - Without Taxes and Insurance

Estimator :
Project Size : sqft

ItemCode	Description	Quantity	UM	Lab.Unit	Mat.Unit	Eqp.Unit	Sub.Unit	Eqp.Rent.Unit	Temp.Mat.Unit	Other Unit	Tot.UnitCost	TotalCost
01110.100	Engineering fees	50,000.00	LS				4,560.000				4,560.000	228,000,000.00
01310.100	Project manager	468.00	WEEK	1,589.6500							1,589.650	743,956.20
01310.110	Superintendent	156.00	WEEK	1,241.1500							1,241.150	193,619.40
01310.120	Assistant superintendent	750.00	WEEK	898.5500							898.550	673,912.50
01310.130	Job engineer	900.00	WEEK	841.2500							841.250	757,125.00
01310.140	Clerk	156.00	WEEK	384.0000							384.000	59,904.00
01310.160	Secretary	156.00	WEEK	729.1500							729.150	113,747.40
01310.170	General purpose laborer	312.00	WEEK	888.8500							888.850	277,321.20
01310.180	General pupose carpenter	312.00	WEEK	936.7500							936.750	292,266.00
01310.190	Living expenses	2,880.00	WEEK	412.8500							412.850	1,189,008.00
01310.200	Permit	1.00	LS							50,000.000	50,000.000	50,000.00
01310.210	Purchase drawings	50.00	LS							100.000	100.000	5,000.00
01310.220	Travel expenses	50,000.00	LS							50,000.000	50,000.000	5,000,000.00
01320.100	Progress photographs	36.00	MO				119.000				119.000	4,284.00
01320.110	CPM schedule	1.00	LS				4,852.000			30,000.000	34,852.000	34,852.00
01450.100	Laboratory testing	1.00	LS							200,000.000	200,000.000	200,000.00
01510.100	Temporary wiring	36.00	MO				258.000				258.000	9,288.00
01510.110	Job telephone	720.00	MO				89.350				89.350	64,332.00
01510.120	Electric light bill	36.00	MO				283.000				283.000	10,188.00
01510.130	Water bill	36.00	MO				89.000				89.000	3,204.00
01510.140	Temporary heat	18.00	MO				1,107.850				1,107.850	19,941.30
01510.150	Temporary fire protection	36.00	MO				206.000				206.000	7,416.00
01520.100	Office trailer	126.00	MO				374.000				374.000	47,124.00
01520.120	Portable chemical toilet	540.00	MO				87.250				87.250	47,115.00
01520.130	Water, ice and cups	432.00	MO				138.000				138.000	59,616.00
01520.140	First aid supplies	72.00	MO				50.000				50.000	3,600.00
01520.150	Safety supplies	36.00	MO				150.000				150.000	5,400.00
01520.160	Office supplies	36.00	MO				275.750				275.750	9,927.00
01540.100	Crane rental	0.50	MO			191.000					191.000	95.50
01540.180	Small tools	36.00	MO			167.750					167.750	6,039.00
01540.190	Air compressor	36.00	MO			261.000					261.000	9,396.00
01540.210	Equipment repair	1.00	LS							50,000.000	50,000.000	50,000.00
01540.220	Gasoline and lubricating oil	100,000.00	GALS			1.850					1.850	185,000.00
01540.230	Generators	12.00	MO			1,216.000					1,216.000	14,592.00
01540.240	Pickup truck rental	180.00	MO			521.000					521.000	93,780.00
01540.250	Truck rental	12.00	MO			874.000					874.000	10,488.00
01540.260	Pumps	36.00	MO			115.000					115.000	4,140.00
01540.270	Conveyors	96.00	MO			350.000					350.000	33,600.00
01540.280	Power buggies	120.00	DAY			68.750					68.750	8,250.00
01540.290	Forklift	720.00	MO			631.000					631.000	454,320.00
01540.310	Scaffolding	1.00	LS							100,000.000	100,000.000	100,000.00
01540.320	Jobsite communications	36.00	MO		87.500						87.500	3,150.00
01560.100	Watchman	156.00	WEEK	518.2500							518.250	80,847.00
01560.130	Protect trees	2.00	EACH	24.5000	16.100						40.600	81.20
01560.150	Sidewalk barricades	50.00	LNFT	30.0000	10.000						40.000	2,000.00
01560.160	Temporary partitions	1,000.00	SQFT	0.5500	0.150						0.700	700.00
01560.170	Temporary storage	1.00	LS							100,000.000	100,000.000	100,000.00
01560.180	Weather protection	2.00	LS							20,000.000	20,000.000	40,000.00
01580.100	Job sign	2.00	EACH	275.0000	114.000						389.000	778.00
01650.100	Freight demurrage	1.00	LS				1,038.650			20,000.000	21,038.650	21,038.65
01720.100	Layout supplies	156.00	WEEK		81.000						81.000	12,636.00
01730.100	Cut and patch	1.00	LS							100,000.000	100,000.000	100,000.00
01740.100	Job clean up	382,000.00	SQFT	0.3800							0.380	145,160.00
01740.110	Clean glass	50,000.00	SQFT	0.5100							0.510	25,500.00
01740.120	Trash chutes	4.00	FLRS				214.000				214.000	856.00
01740.130	Rubbish removal	100,000.00	CUYD	15.1100	1.265						16.375	1,637,500.00
01830.100	Turn on HVAC early	6.00	MO									
Total Estimate											\$2,736,022,094	

General Conditions Estimate continued

The general conditions estimate was put together using MC². Areas where the specific costs and amounts were not known (permits, temporary storage, etc) a lump sum estimate was filled in using an educated guess of the amount needed for the project and a rough idea of the cost.

The general conditions estimate shows the major portion to be going into staffing for the job. Since each of the superintendents and the project manager receive cars, those costs were built into the estimate as well. There was no need to put money in for a site fence, one was already present. There needed to be money for trailers, but because the site is very tight there is minimal room for trailers and not as many as would be typical of a project this size with more space. Since there is limited space there needs to be money for staff parking offsite (travel expenses). The project also requires regular progress photos.

Overall the estimate makes the cost of the general conditions around 3% of the job cost. The percentage seems low for a typical project, however the size of the project throws off the relationship normal to a construction project. Also, the program used to do the estimate uses salaries and some other costs that appear low based on the contractor performing the work. The size of the project staff also creates different levels to the staff that can not easily be delineated in the estimating software.