

Engineering Cost Estimating

Construction Cost Estimate

Item	Unit	Unit Price	Quantity Division 2	Cost Division 2	Quantity Division 3	Cost Division 3	Quantity Division 4	Cost Division 4	Quantity Division 5	Cost Division 5	Total Quantity	Total Cost
Mobilization	ls	5%	1	\$84,058	1	\$80,258	1	\$36,729	1	\$56,214	4	\$257,258
30" PIPE	lf	\$120	9580	\$1,149,600	5530	\$663,600					15,110	\$1,813,200
30" DI PIPE	lf	\$140	440	\$61,600	2510	\$351,400					2,950	\$413,000
27" PIPE	lf	\$95			940	\$89,300					940	\$89,300
27" DI PIPE	lf	\$110										
24" PIPE	lf	\$85			495	\$42,075					495	\$42,075
24" DI PIPE	lf	\$100			210	\$21,000					210	
10" PIPE	lf	\$50					2945	\$147,250	6526	\$326,300	9,471	
10" DI PIPE	lf	\$60					2096	\$125,760	1678	\$100,680	3,774	
8" PIPE	lf	\$45					7095	\$319,275	3140	\$141,300	10,235	
8" DI PIPE	lf	\$55										
	vf	\$300					393	\$117,900	495	\$148,500	888	\$286,400
LARGE DIA. MANHOLE	vf	\$450	356	\$160,200	366.5	\$164,925					723	
W/ F&C	ea.	\$350	26	\$9,800	31	\$10,850	30	\$10,500	33	\$11,550	122	
STANDARD F&C	ea.	\$300	8	\$2,400			13	\$3,900	21	\$6,300	42	
MANHOLE VENT	ea.	\$1,000	6	\$6,000	11	\$11,000					17	
DROP CONN	vf	\$300							17	\$5,100	17	
CONC. ENCASE	lf	\$200	40	\$8,000	540	\$108,000	50	\$10,000	300	\$60,000	930	
42" STEEL CASING	lf	\$1,300	185	\$240,500	110	\$143,000					295	\$383,500
18" STEEL CASING	lf	\$600							530	\$318,000	530	\$318,000
6" LATERAL	lf	\$35							10	\$350	10	\$350
4" LATERAL	lf	\$30	10	\$300					40	\$1,200	50	\$1,500
6" CLEANOUT	ea.	\$1,000							1	\$1,000	1	\$1,000
4" CLEANOUT	ea.	\$1,000	1	\$1,000					4	\$4,000	5	\$5,000
Pavement Replacement	sy	\$25	250	\$6,250							250	\$6,250
	sy	\$15	1700	\$25,500							1,700	
	ls	\$10,000	1	\$10,000							1	\$10,000
Total Estimated Construction Cost				\$1,765,208		\$1,685,408		\$771,314		\$1,180,494		\$5,402,423

It can be used to develop for example cost per square foot for a building or cost for a similar piece of equipment. Factor estimating is used because of several reasons, amongst which: The scope of the project is not yet complete. Preparing a detailed estimate is time-consuming and therefore more expensive. Overview of Cost Estimating. Cost estimating is the practice of forecasting the cost of completing a project with a defined scope. It is the primary element of project cost management, a knowledge area that involves planning, monitoring, and controlling a project's monetary costs. engineering cost estimate. Detailed cost estimate for a project, computed by estimating the cost of every activity in a work breakdown structure, summing these estimates, and adding appropriate overheads. Also called bottom up cost estimate. Cost engineering is "the engineering practice devoted to the management of project cost, involving such activities as estimating, cost control, cost forecasting, . This update to the WSDOT Cost Estimating Guide is part of an . Baseline Preliminary Engineering (PE) The effort (budget/cost) of taking a.2. Engineering Costs and Cost Estimating. Click on a topic below. Engineering Costs Cost Estimating and Estimating Models Cash Flow Diagrams Return to .14 Oct - 47 min - Uploaded by Project Controls Expo What is Cost Engineering and Cost Estimating - By Carl Dalton at Project Controls Expo Engineering Cost Estimator jobs available on deporte-es-salud.com Apply to Cost Estimator and more!. Keywords: budget, cost analysis, cost benefit, cost estimation, regression analysis, tradeoffs. MITRE SE Roles and Expectations: Systems engineers (SEs) are. 20 Aug - 10 min - Uploaded by Defense Acquisition He covers the analogy, parametric, engineering and actual cost methods of cost estimating. Project Cost Estimates through the Project Lifecycle. ... to complete all activities (e.g. planning, engineering, property acquisition. This guide will be confined to cost estimating in the building construction . Value Engineering: Structure the estimate to aid in researching and.

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