



NEW YORK CITY
COLLEGE OF TECHNOLOGY
*the senior-level college of technology
of The City University of New York*



Department of Construction Management & Civil Engineering Technology
CMCE 1155 Computer Applications Engineering Technology

Assignment 03: Excel Cost Estimate

Open a new spreadsheet and save the file as **Assignment 03_Excel_Last Name, First Name (submit excel file)**. Submit your resulting **excel file** via email to: Prof.N.Anderson@gmail.com before the start of the next class.

You will lose 10 points if you submit anything other than your excel file, and will have to resubmit the excel file for grading.

Create a construction cost estimate with two worksheets. Label the first as "Estimate Worksheet" and the second "Summary". Format the worksheets using the examples below for reference. Your worksheet should look very similar and have the same formatting: borders, shading, text properties.

Worksheet 1: Estimate Worksheet

- a. Format sheet accordingly
- b. Input division Titles, Trade/Item, Unit, Quantity, and Unit Cost
- c. Use appropriate formula to compute Totals and Division Totals

Worksheet 2: Summary Page

- a. Format sheet accordingly, input your name as "Applicant Name". Only include Divisions 1 through 4 to reflect scope listed on the Estimate Worksheet. Do not include column for Cost/SF.
- b. Link data from Worksheet 1 into the Cost column.
- c. Use formula to find the Subtotal
- d. Insurance = 2% of the Subtotal
- e. Builders Overhead = 4% of the Subtotal
- f. Profit = 10% of the Subtotal
- g. Find TOTAL

SEE TABLES BELOW FOR REFERENCE ONLY. YOU MUST USE THE PROPER FORMULAS. DO NOT COPY TOTALS - I WILL BE CHECKING FOR FORMULAS AND LINKS!!!

Worksheet 1: Estimate

Construction Cost Estimate Worksheet					
Applicant Name			Project Name		
Glenman Construction Corporation			Ashburton Apartments		
	Trade/Item	Unit	Quantity	Unit Cost	Total
Division 1: General Requirements					
1	General Requirements	LS	1	\$650,000.00	\$650,000.00
2					\$0.00
3					\$0.00
4					\$0.00
5					\$0.00
6					\$0.00
7					\$0.00
8					\$0.00
9					\$0.00
10					\$0.00
Division 1 Total					\$650,000.00
Division 2: Sitework					
1	Removal of Sidewalk, Curbs, Fences, foundations & debris	LS	1	\$774,278.00	\$774,278.00
2	Protect & maintain existing stone wall	LF	168	\$4.00	\$672.00
3	New Compacted fill at building site	CY	1680	\$45.00	\$75,600.00
4	Clear & Level Site	SF	20000	\$3.00	\$60,000.00
5	New Construction Fence	LF	670	\$12.00	\$8,040.00
6	New Stone Retaining wall & excavation at same	SF	2440	\$65.00	\$158,600.00
7	Storm Drainage	LS	1	\$50,670.00	\$50,670.00
8	Site Utilities	LS	1	\$32,140.00	\$32,140.00
9	Detench	LS	1	\$250,000.00	\$250,000.00
10					\$0.00
Division 2 Total					\$1,410,000.00
Division 3: Concrete					
1	5" Concrete Sidewalk	SF	2085	\$15.00	\$31,275.00
2	Granite Curb	LF	190	\$24.00	\$4,560.00
3	6" Slab on Grade	SF	10350	\$10.00	\$103,500.00
4	8" Slab on Grade	SF	13348	\$12.00	\$160,176.00
5	8" Concrete Walls	CY	63	\$650.00	\$40,950.00
6	Wall Footings	CY	22	\$650.00	\$14,300.00
7	Column Footings	CY	5	\$650.00	\$3,250.00
8	Reinforced Concrete Columns	LS	1	\$101,989.00	\$101,989.00
9					\$0.00
10					\$0.00
Division 3 Total					\$460,000.00
Division 4: Masonry					
1	Unit Masonry	SF	28415	\$19.50	\$554,092.50
2	Cast Stone	SF	6600	\$29.00	\$191,400.00
3	Stucco	SF	3028	\$18.00	\$54,507.03
4					\$0.00
5					\$0.00
6					\$0.00
7					\$0.00
8					\$0.00
9					\$0.00
10					\$0.00
Division 4 Total					\$799,999.53

Worksheet 2: Summary (I have covered the information not included- please format your document so that it appears cohesive)

Applicant Name: Ashburton Avenue I, LP		Project Name: Ashburton Senior Apartments	
Construction Cost Estimate Summary			
Place check in adjacent box if Davis Bacon Wage Rates were used in determining Construction Cost	<input checked="" type="checkbox"/>	Cost	
1. General Requirements (3%- 6% of Ex. 3 Line 36)			\$650,000.00
2. a. Site Work			\$1,410,000.00
3. Concrete			\$460,000.00
4. Masonry			\$800,000.00
		Subtotal	\$11,362,500.00
		Insurance	\$234,938.00
		Builders Overhead (2% - 4% of Ex. 3, Line 36)	\$430,000.00
		Profit (Up to 10% of Ex. 3, Line 36)	\$1,000,000.00
		TOTAL	\$13,027,438.00