

ACTIVITIES COST ESTIMATES

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MASTERS OF SCIENCE PROJECT MANAGEMENT CAPSTONE

PMGT 690

JANUARY 2016

Project Cost Estimate					
	# Units/Hrs.	Cost/U nit/Hr.	Subt otals	WBS Level 1 Totals	% of Total
WBS Items					
1. Planning and Authorization				\$126,910	26%
1.0 Project Manager	1200	\$100	\$120,000		
1.1 Preliminary design plans	40	\$125	\$5,000		
1.3 Finalize design	8	\$125	\$1,000		
1.4 File application for permit		\$230	\$230		
1.5 Coordinate plan with all subcontractors	8	\$85	\$680		
2. General Site Preperation				\$16,676	3%
2.1 Site prep subcontractor	160	\$85	\$13,600		
2.2 Site survey		\$1,000	\$1,000		
2.3 Transport equipment	8	\$15	\$120		
2.4 Clear land	24	\$27	\$648		
2.5 Level and grade land	24	\$27	\$648		
2.6 Dig utility trenches	24	\$15	\$360		
2.7 Safety and permit inspection		\$300	\$300		
3. Foundation				\$13,200	3%
3.1 Subcontractor	32	\$85	\$2,720		
3.2 Concrete for foundation and driveway		10,000	\$10,000		
3.2 Labor foundation and driveway	32	\$15	\$480		
4.External Structure				\$106,520	22%
4.1 Subcontractor	112	\$85	\$9,520		
4.2 Materials delivered to site	24	\$15	\$360		
4.3 Framing labor	48	\$20	\$960		
4.3 Framing materials		\$28,000	\$28,000		
4.4 Sheathing, roof decking, flashing, doors, windows labor	40	\$20	\$800		

4.4 Sheathing, roof decking, flashing, doors, windows materials		\$28,000	\$28,000		
4.5 Siding labor	16	\$25	\$400		
4.5 Siding materials	16	\$28,000	\$28,000		
4.6 Paint exterior labor	16	\$30	\$480		
4.6 Paint exterior materials	16	\$10,000	\$10,000		
5. Internal Construction				\$136,440	28%
5.1 Subcontractor	152	\$85	\$12,920		
5.2 Utilities labor	96	\$40	\$3,840		
5.2 Utilities materials		\$80,000	\$80,000		
5.3 Walls and Ceilings labor	48	\$20	\$960		
5.3 Walls and Ceilings materials		\$28,000	\$28,000		
5.4 Paint interior labor	24	\$30	\$720		
5.4 Paint interior materials		\$10,000	\$10,000		
7. Landscaping				\$5,744	1%
7.1 Clean up	16	\$15	\$240		
7.2 Grate land for drainage	16	\$27	\$432		
7.3 Dirt & gravel foundation	16	\$27	\$432		
7.4 Sprinkler system labor	16	\$30	\$480		
7.4 Sprinkler system materials		\$1,000	\$1,000		
7.5 Sod labor	8	\$20	\$160		
7.5 Sod materials		\$3,000	\$3,000		
8. Close				\$2,500	1%
8.1 Closing costs		\$2,500	\$2,500		
9. Reserves (20% of total estimate)			\$79,949	\$79,949	16%
Total project cost estimate				\$487,939	

References

A guide to the Project Management Body of Knowledge (PMBOK guide), fifth edition (5th ed.). (2013). Newtown Square, Pa.: Project Management Institute.

Gray, C. F., & Larson, E. W. (2014). *Project management: the managerial process* (4th ed.). Boston: McGraw-Hill/Irwin.

Microsoft Project 2013 (software)