

WBS 8.7 - GROUP 3

FINAL DELIVERABLES: SUSTAINABLE HOME CONSTRUCTION PROJECT

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Sustainable Home Construction Project: Week 8 Final Deliverables

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Continuing to follow that methodology, we then crashed the following activities:

#### 1.3.2 – Foundation (Concrete workers)

#### 1.3.4.14 – Pour sidewalks and driveways (Concrete workers)

Bumping the concrete workers up to 2 hours per day of overtime resulted in a net time savings for the overall project of 5 1/2 days, at a cost increase of only approximately \$1200.

With just these few inexpensive crashes, the project saved almost 7 days in the overall schedule.

Further crashing, looking now at the roofing task saved another 3.5 days following the same methodology. Then by adding overtime to the siding installers and also the drywall team, we were able to reduce the project completion date to 30 September. With this addition, as can be seen in table 6 below from the project plan that reflects these crashed activities, we now could meet a 1 October move-in date for the customers at an additional cost of only \$2700.

*Table 6 – Final Cost and Time for Crashed Project Plan*

	WBS	Task Mode	Task Name	Duration	Start	Finish	Cost	P
1	1		▲ Sustainable Home Construction Project	188.25 days	Mon 1/5/15	Wed 9/30/15	\$687,737.52	
2	1.1		▷ Project Initiation	2 days	Mon 1/5/15	Tue 1/6/15	\$78,040.00	
5	1.2		▷ Project planning	47 days	Thu 1/8/15	Mon 3/16/15	\$72,680.00	4
13	1.3		▷ Executing	135.25 days	Tue 3/17/15	Fri 9/25/15	\$530,617.52	1
121	1.4		▷ Monitoring and control	129 days	Mon 2/2/15	Mon 8/3/15	\$4,480.00	
129	1.5		▷ Closing	3 days	Fri 9/25/15	Wed 9/30/15	\$1,920.00	1

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