

PJM 6025 – Project Scheduling & Cost planning

# **Final Presentation: Westfield Food Pantry truck**

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# Summary of the Project



- ***Purpose of this Business Plan/Project:***
  - Secure additional funding for salary, and start up costs.
  - Make well informed decisions related to starting a food truck.
- ***Our goal*** is to create a mobile soup kitchen so we can feed those living in areas of Westfield that are underserved and hard to reach.
- ***Generate Revenue to offset Expenses:***
  - Sell food on specific days, in specific locations, at fixed times.
  - Food: luxury grilled cheese, salads, and soups.

# Summary of the Project cost and schedule baselines

- **Project Start & End Dates:** Jan 19th 2022 - June 14th 2022
- **Total Project Cost:** \$ 94,810
- **Total days:** 105 days
  - ***Project Planning*** - 83 days
  - ***Project Execution*** - 36 days
  - ***Project Controlling*** – 76 days
  - ***Project Closeout*** – 15 days

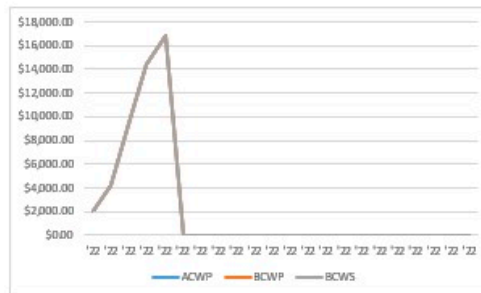


## EARNED VALUE

Earned value management helps you quantify the performance of a project. It compares costs and schedules to a baseline to determine if the project is on track.

If the charts don't look right, make sure you have set a baseline, assigned costs to tasks or resources, and entered progress.

EAC	ACWP	BCWP
\$94,810.00	\$16,911.00	\$16,911.00



### EARNED VALUE OVER TIME

The project's earned value based on the status date. If actual cost (ACWP) is higher than earned value (BCWP), then the project is over budget. If planned value (BCWS) is higher than earned value, then the project is behind schedule.

[Learn more about earned value](#)

### VARIANCE OVER TIME

Cost and schedule variances for the project based on status date. If CV is negative then, the project is over budget. If SV is positive then the project is behind schedule.



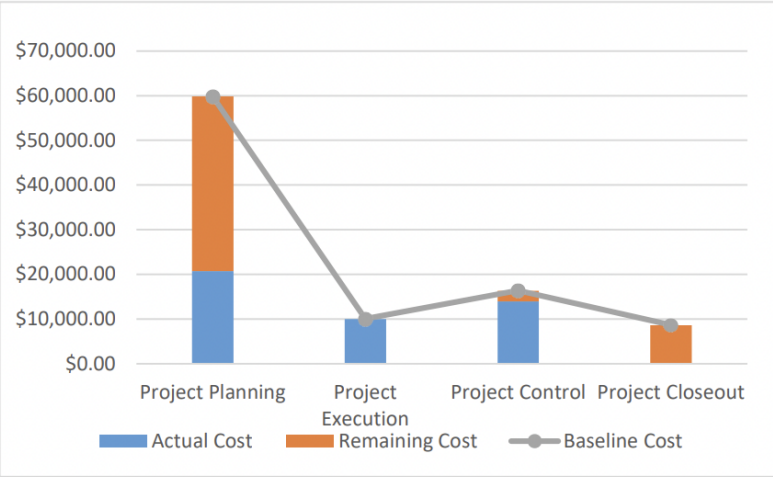
### INDICES OVER TIME

Cost and schedule performance indices for the project based on status date. The greater the performance index, the more on schedule and cost saving the project.

# TASK COST OVERVIEW

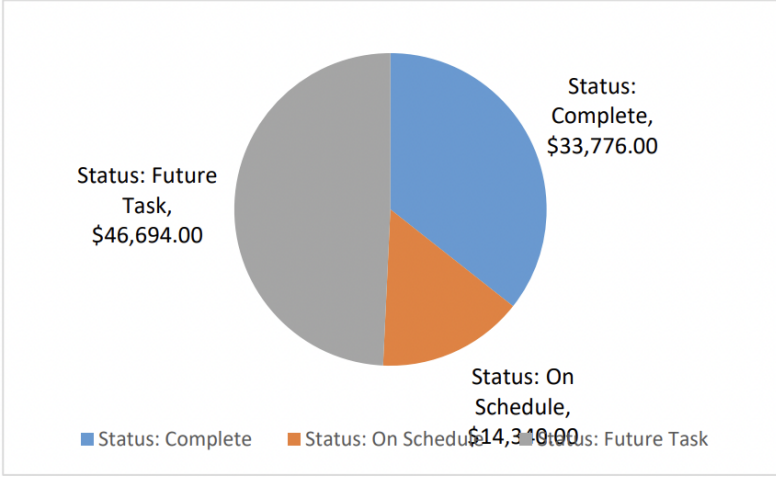
## COST STATUS

Cost status for top-level tasks.



## COST DISTRIBUTION

How costs are spread out amongst tasks based on their status.



## COST DETAILS

Cost details for all top-level tasks.

Name	Fixed Cost	Actual Cost	Remaining Cost	Cost	Baseline Cost	Cost Variance
Project Planning	\$0.00	\$20,716.00	\$39,109.00	\$59,825.00	\$59,825.00	\$0.00
Project Execution	\$0.00	\$10,010.00	\$0.00	\$10,010.00	\$10,010.00	\$0.00
Project Control	\$0.00	\$13,950.00	\$2,385.00	\$16,335.00	\$16,335.00	\$0.00
Project Closeout	\$0.00	\$0.00	\$8,640.00	\$8,640.00	\$8,640.00	\$0.00

# COST OVERVIEW

WED 1/19/22 - TUE 6/14/22

COST

\$94,810.00

REMAINING COST

\$50,134.00

% COMPLETE

75%

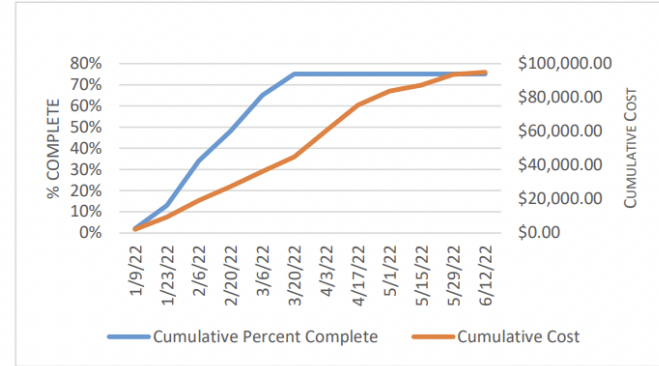
## COST STATUS

Cost status for top level tasks.

Name	Actual Cost	Remaining Cost	Baseline Cost	Cost	Cost Variance
Project Planning	\$20,716.00	\$39,109.00	\$59,825.00	\$59,825.00	\$0.00
Project Execution	\$10,010.00	\$0.00	\$10,010.00	\$10,010.00	\$0.00
Project Control	\$13,950.00	\$2,385.00	\$16,335.00	\$16,335.00	\$0.00
Project Closeout	\$0.00	\$8,640.00	\$8,640.00	\$8,640.00	\$0.00

## PROGRESS VERSUS COST

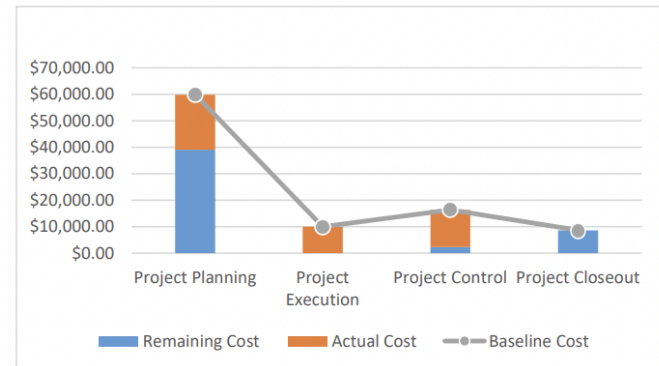
Progress made versus the cost spent over time. If % Complete line below the cumulative cost line, your project may be over budget.



## COST STATUS

Cost status for all top-level tasks. Is your baseline zero?

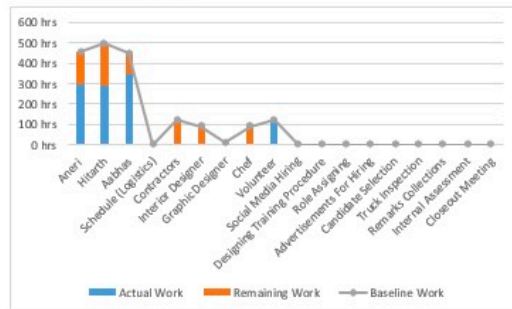
[Try setting as baseline](#)



# RESOURCE OVERVIEW

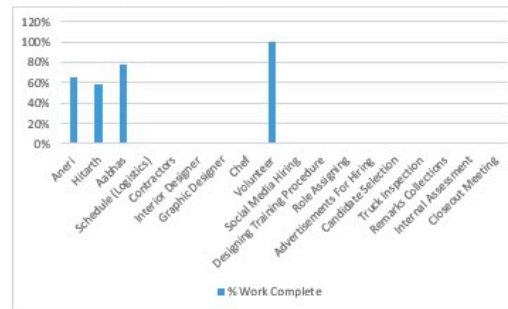
## RESOURCE STATS

Work status for all work resources.



## WORK STATUS

% work done by all the work resources.



## RESOURCE STATUS

Remaining work for all work resources.

Name	Start	Finish	Remaining Work
Aneri	Wed 1/19/22	Tue 6/14/22	160 hrs
Hitarth	Wed 1/19/22	Tue 6/14/22	208 hrs
Aabhas	Wed 1/19/22	Fri 6/10/22	100 hrs
Schedule (Logistics)	NA	NA	0 hrs
Contractors	Mon 4/25/22	Fri 5/13/22	120 hrs
Interior Designer	Fri 2/4/22	Thu 4/21/22	90 hrs
Graphic Designer	Fri 2/4/22	Thu 4/7/22	10 hrs
Chef	Wed 1/19/22	Fri 4/22/22	88 hrs
Volunteer	Fri 2/4/22	Wed 3/23/22	0 hrs
Social Media Hiring	NA	NA	0 hrs
Designing Training Procedure	NA	NA	0 hrs
Role Assigning	NA	NA	0 hrs
Advertisements For Hiring	NA	NA	0 hrs
Candidate Selection	NA	NA	0 hrs
Truck Inspection	NA	NA	0 hrs
Remarks Collections	NA	NA	0 hrs
Internal Assessment	NA	NA	0 hrs
Closeout Meeting	NA	NA	0 hrs

# Cost Plan Report

Type	Resource Name	Bill Rate	Cost Rate	Unit/Hours	Total Rate	Total Cost
Labor	Aneri	\$55	\$35	456	\$25,080	\$15,960
Labor	Hitarth	\$45	\$25	496	\$22,320	\$12,400
Labor	Aabhas	\$40	\$20	448	\$17,920	\$8,960
Labor	Contractors	\$60	\$40	120	\$7,200	\$4,800
Labor	Interior Designer	\$150	\$75	90	\$13,500	\$6,750
Labor	Graphic Designer	\$40	\$25	10	\$400	\$250
Labor	Chef	\$45	\$32	88	\$3,960	\$2,816
Labor	Volunteer	\$0	\$0	120	\$0	\$0
Material	Menu Printing	\$30	\$30	5	\$150	\$150
Material	Utensils	\$300	\$300	12	\$3,600	\$3,600
Material	Microwave	\$50	\$50	1	\$50	\$50
Material	Dishwasher	\$370	\$370	1	\$370	\$370
Material	Kitchen Sink	\$400	\$400	1	\$400	\$400
Material	Faucet	\$90	\$90	1	\$90	\$90
Material	Portable Stove burners	\$60	\$60	1	\$60	\$60
Material	Mini Refrigerator	\$300	\$300	1	\$300	\$300
Material	Exhaust hood	\$120	\$120	1	\$120	\$120
Material	Installation of lights	\$200	\$200	3	\$600	\$600
Material	Chairs	\$75	\$75	2	\$150	\$150
Material	Cleaning Supplies	\$75	\$75	5	\$375	\$375
<b>TOTAL LABOR TYPE</b>					<b>\$ 94,810</b>	<b>\$ 50,134</b>
<b>TOTAL MATERIAL TYPE</b>					<b>\$ 6,265</b>	<b>\$ 6,256</b>



# Lessons learned - Challenges

- To plan a mobile kitchen program based on assumption.
- To adjust over allocation of tasks.
- To maximise the productivity by maintaining lower cost of resources.
- Allocating resources efficiently.
- To maintain the project timeline efficiently.
- Work - hour distribution.
- Estimating the Budget & cost of resources.

# Lessons learned - Opportunities

- Adapting Task ownership skills.
- Learnt about working on a Project from a different Industry.
- Utilising MS Project better & learnt new tools.
- Putting the learnings of PJM 5900 to actual use.
- Learnt how to run a food truck business.
- Learnt to calculate EVA.

# Conclusions

- We Learnt to manage the triple constraints & quality of the Project effectively without compromising.
- We finished the Project in 105 days within our set timeline by linking the tasks appropriately and leaving room for lead and lag times whenever deemed necessary.
- Until now we're on time and within Budget and hope to continue the same till Project closeout.
- By utilising materials and other resources effectively we were able to manage resource allocation well.