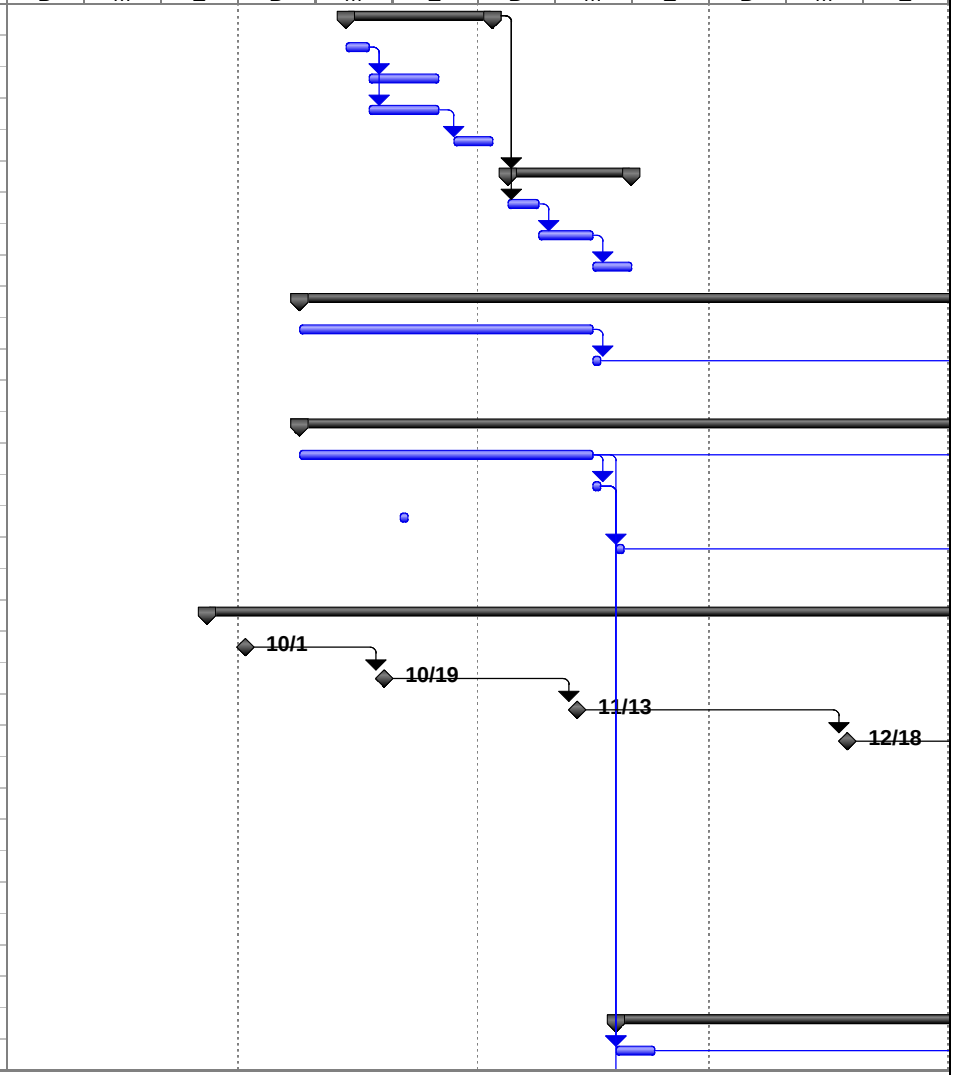
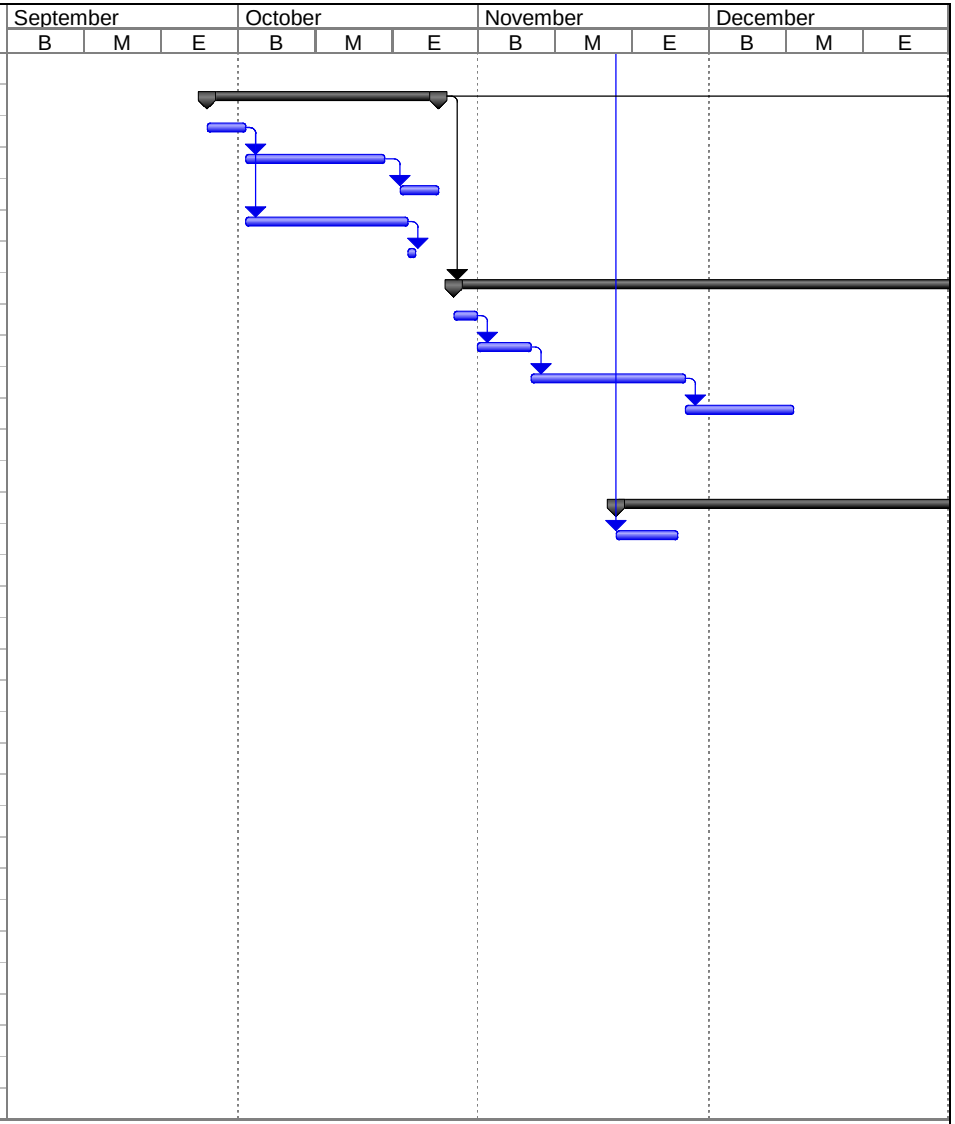
ID	Task Name	Resource Names
1	**Gain understanding of transport systems**	**FO**
2	Meet with Prof. Vuchic	ZM
3	Research on Traffic Organizations in Philadelphia	PD
4	Research on Transport engineering basic concepts	FO
5	Research Distribution Model	ZM
6	**Design Transport System Model**	**FO**
7	Come up with system block diagram	FO
8	Define subsystems	FO
9	Define linkages between subsystems	FO
10	**Work with Philadelphia Police Dept**	**PD**
11	Establish contact through Prof. Heummeler	PD
12	Meet contact to understand current traffic routing system	PD
13	Meet to discuss implementation ideas	PD
14	**Work with Phillies/Eagles**	**ZM**
15	Establish contact person through Prof. Heummler	ZM
16	Meet with contact person in Phillies/Eagles	ZM
17	Visit stadium to analyse problem (and watch a game)	ZM
18	Review meeting to discuss objectives	ZM
19	Review meeting to obtain feedback	ZM
20	**Complete course requirements**	**FO**
21	Proposal	ZM
22	First presentation	PD
23	1st Project Report	FO
24	Phase 1 Report	ZM
25	Phase 2 Report	PD
26	Demo Day	FO
27	**Develop Football Game Demand Generation Model**	**ZM**
28	Research geographic profile of fans	ZM
29	Profiling of fans in attendance	ZM
30	Repeat attendance (I.e. season ticket holders, etc.)	ZM
31	Produce demand generation model	ZM
32	Test demand generation model	PD
33	**Develop Model to Quantify Incentive schemes (Tailgate model)**	**ZM**
34	Produce linitial list of potential incentives	ZM



Project: SeniorDesignScheduleSpring
Date: Wed 5/1/13

Critical
Critical Split
Critical Progress
Task
Split
Task Progress
Baseline
Baseline Split
Baseline Milestone
Milestone
Summary Progress
Summary
Project Summary
External Tasks
External Milestone
Deadline

ID	Task Name	Resource Names
35	Create model that accounts for Individual preferences	PD
36	**Develop Train transit model**	**PD**
37	Create network model of Stations and lines	PD
38	Program algorithm to collect Schedule/capacity data	PD
39	Connect train transit model to overall geographic model	FO
40	Create Station level model (for exiting)	FO
41	Test SEPTA model	ZM
42	**Develop Bus transit model**	**PD**
43	Collect data about Schedule and capacity	PD
44	Understand scope for additional buses	PD
45	Connect this model into overall geographic model	PD
46	Plug into traffic model	PD
47	Estimate additional emissions impact from this model	ZM
48	Test SEPTA bus model	FO
49	**Develop Car transit model**	**ZM**
50	Conduct research to profile current car uses	ZM
51	**Model road network**	**ZM**
52	Code Macro scale network (highways, general directions, etc.)	ZM
53	Code Micro scale network (parking lot streets, corners, signals)	ZM
54	Create Agent-based traffic model	FO
55	Test micro and macro car models individually	PD
56	**Estimate emissions**	**ZM**
57	From idling	ZM
58	Per distance	ZM
59	Analyze scope for Pareto improvement in traffic routing	ZM
60	Test overall car model	PD
61	**Integrate subsystems into overall Transit model**	**FO**
62	Model Constraints into the model (e.g. Eagles budget)	FO
63	Understand collaborator constraints (SEPTA/police cooperation, etc.)	FO
64	Build the Distribution model (including current data)	ZM
65	Build the Assignment model (including current data)	FO
66	**Design Feedback loops**	**FO**
69	**Develop Front end for implementation**	**PD**
70	Specify end-user requirements	PD



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ID	Task Name	Resource Names	September			October			November			December		
			B	M	E	B	M	E	B	M	E	B	M	E
71	Determine flexibility requirements	PD												
72	Determine platform (iPad vs smartphone vs pc?)	PD												
73	Design GUI	PD												
74	**Validation and Testing**	**ZM**												
75	Test entire model	FO												
76	Gain understanding of validation	ZM												
77	Validation of individual models	ZM												
78	Validation of complete model	PD												

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Critical		Baseline		Project Summary	
Critical Split		Baseline Split		External Tasks	
Critical Progress		Baseline Milestone		External Milestone	
Task		Milestone		Deadline	
Split		Summary Progress			
Task Progress		Summary			