Date	Start	End	Interrupt	Delta (min)	Productivity	Units	Activity	Comments
2012-01-28	15:30:00	16:31:00	0	61			Elaboration	Starting on documentation for elaboration phase
2012-01-29				60			Personal Development	Reading "97 Things every programmer should know"
2012-01-30				30			Personal Development	Reading "97 Things every programmer should know"
2012-01-31				50			Personal Development	Reading "97 Things every programmer should know"
20120-01-31	12:30:00	12:54:00	0	24			Action Items	Revising Use-Case Diagram, system context diagram, updating vision document
2012-02-01	22:30:00	0:00:00	5	85			Action Items	action item updates to documents, requesting project server space.
2012-02-02				30				merging changes (git) checking out GForge
2012-02-04	10:30:00	11:35:00	0	65			SUMO	Working on SUMO spikes: network load/design, researching/defining double-t network. pulled open street maps data for real world intersection
2012-02-06				60				Reading Sumo docs, going to switch up runner to do gui and sent email to thalesgroup researcher requesting map data (would like to use the same they did)
2012-02-07				40				Working on loading network
2012-02-09				60				Reviewing Sample documents needed for please II
2012-02-15	12:40:00	13:10:00	0	30			P2	Worked on Technical Inspection Checklist
2012-02-15	12:00:00	12:20:00	0	20			Project Management	Reviewing Action Items, etc. creating check off list
2012-02-20	22:00:00	22:30:00	0	30			Project Management	created check off list, work on schedule
2012-02-21	12:45:00	13:10:00	0	25			Project Management	work on schedule and action item types of sensors
2012-02-24	15:00:00	15:45:00	5	40			Project Management	schedule todo items
2012-02-24	15:45:00	16:25:00	0	40			P2	working on action items
2012-02-24	20:45:00	23:07:00	25	117			Road Networks	Learning about the different types of sensors available for simulation as well as Traffic Light Signal Commands
2012-02-26			0	30			Road Networks	
2012-02-26	21:30:00	22:15:00	0	45			Road Network	working on creating directed network design, lanes, lengths, turn %, max speed
2012-02-26	12:30:00	13:10:00	0	40			Road Network	reading documentation on creating road networks and routing data for simulation runs.
2012-02-28			0	120			Road Network	Worked with road network and trying to get eWorld up and going under Linux for building network. (already had postgresql installed here)
2012-02-29	12:30:00	13:00:00	0	30			Road Network	Install postgresql for eWorld on Windows.
2012-02-29	20:40:00	23:40:00		120			Road Network	continue with install of eWorld - no luck
2012-03-02				90			Road Network	got eWorld running. However, it seems like it won't do what I want it to do.
2012-03-03	15:15:00	16:16:00	1	60			Road Network	Uninstalled eWorld and Postgresql, work on road network. Made some progress modifying a sample network.
2012-03-03	19:00:00	19:44:00	1	43			Road Network	Continue work on Single-T road network. Single-T created. Need to add TLS, sensors and traffic.
2012-03-03	21:48:00	23:05:00	5	72			Road Network	Create Double-T road network with TLS junctions. (next sensors and traffic)
2012-03-04	15:00:00	15:30:00	0	30			Road Network	Tried eWorld again with road network I had created. Wouldn't load. Tried with OSM file. Loaded but software was unstable/didn't seem to do anything. I was hoping for some insight/configuration capabilities with the TLSs.
2012-03-04	17:00:00	18:00:00	0	60			Road Network	work on adding sensors. Generated file with them. Docs not clear on how to include them. Going to come back and review TraCI tutorial.
2012-03-04	18:40:00	19:16:00	0	36			Road Network	Working through TraCI tutorial material. created routes.rou.xml based on distributions. created double_t.sumo. cfg. simulation is not displaying cars, but it does cycle lights.
2012-03-04	22:00:00	12:30:00	10	140			Road Network	Got simulation to display cars by modifying routes and adding flows. Also added induction loop detectors to simulation.
2012-03-07				60			Road Network	Working on simulation. Implemented vehicle type distribution and appearance change.
2012-03-07				60			P2	Worked on Gantt chart, committed code to local USB and flash drives.
2012-03-08	22:00:00	22:15:00	0	15			Project Management	Review work to do / scheduling
2012-03-08	22:15:00	0:00:00	0	105			TraCI	Working with Traffic Light Signal (TLS) Control. Had to do some work in C:\sumo-0.14.0 \docs\tutorial\traci_tls\data\ to get example working. Sent email to list.
2012-03-10	19:00:00	23:00:00	0	240			TraCI	Reviewing my road network and how others are launching the simulation. Tweaking what I have and experimenting. Reading documentation. Testing induction loop control of signal.
2012-03-10	23:05:00	12:26:00	0	81			TraCI	Removing underscores from node IDs and other configuration files. Working to get induction loop detection and TLS control implemented.
2012-03-11	15:40:00	17:15:00	2	93			TraCI	trying to figure out why my code isn't connecting to client/traci. a <traci_server> block must be included in sumo.cfg file to support TraCI connection. Able to read induction loop and control TLS.
2012-03-11	17:45:00	19:16:00	1	90			TraCI	refine code, commit it to flash, usb and cis git repo on website, update project/gantt chart
2012-03-11	20:45:00	22:58:00	2	131			TraCI	working on obtaining intersection and network metrics. had to install numpy dependency. Took considerable time working to install numpy on 64bit windows. can pull emissions data per lane per simulation step.

Date	Start	End	Interrupt	Delta (min)	Productivity	Units	Activity	Comments
2012-03-11	22:58:00	0:00:00	0	62			Project Management	updating project gantt/todo items, committing to all repos. Added link to current website on gForge site.
2012-03-12	12:40:00	13:03:00	0	23			Vision Document	Review/update vision document. Updated activity diagram.
2012-03-12	20:25:00	21:20:00	0	55			P2 Documents	working on updating documents for Phase 2 and related web page
2012-03-12	21:45:00	0:00:00	0	135			P2 Documents	Project Plan, PPT, experience based estimate KSLOC, formal spec (OCL/USE), upload progress to website, commit to flash and usb
2012-03-13				45			OCL	Reviewing OCL/USE
2012-03-13	19:30:00	23:50:00	8	252			P2 Documents	Reviewing project todos, installing windows updates, reviewing system diagrams, working on architecture diagrams and document. committed to flash and USB HD. planning.
2012-03-14	7:38:00	12:05:00	22	245			P2 Documents	working on Test Plan, technical inspection check list, presentation
2012-03-14	12:06:00						Project Management	uploading current materials to website