CpE/EE 391 – Hwk 2

The following questions relate to your group project – please put your answers together individually rather than as a group. That doesn't meen you can't discuss the problem with your group, but I would like to see individual answers on the homework (not 4 copies of the same homework). Most of all, I would like you to attempt to work out the problems before you meet with the rest of your group.

1. For the project you have chosen to work on, identify the <u>need(s)</u> that is(are) being satisfied by this project. Explain. Try to be thorough. For example, give a specific need (this project will reduce waiting time at stop lights) to something more general (project will allow people to get from point A to point B faster).
2. Develop a problem statement for your project
   a. Write a 1- or 2- line sentence that summarizes the problem your project is trying to solve and which focuses on *function*.
   b. Write a short problem statement utilizing the statement-restatement technique. Show a few iterations.
   c. Write the problem statement in terms of the "present-state" and "desired-state". (You do not have to go on to develop general, functional, and specific solutions, but your present and desired states should be well coordinated).