Engineering Design: Defining the Problem

Name: \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

A. Description of Problem, Need or Value

How can your project be improved?

B. Overview of Proposed Project

What is the basic purpose of the project?

Who will benefit from it?

How is this project unique?

C. Project Requirements and Constraints

What are the project requirements?

What constraints have been placed on your team?

D. Project Activities and Timeline

What exactly must be done in order to achieve the desired outcomes?

When, and in what order, must these activities be done to achieve the desired outcomes?

E. Outcomes

What immediate and long-range results are expected?

F. Evaluation

By what criteria will the success or failure of this project be measured?

What techniques or tools will be used to evaluate?