Session Objective
Determine the problems that need to be addressed and prepare a purpose and need or problem statement. Begin identifying possible network, alignment and cross-section alternatives for the project.

Assignment (1 hour, 30 minutes)

1. Discuss the problems that need to be addressed and develop a purpose and need (problem) statement for the project based on community values.

2. Discuss appropriate design controls for the project and select those that will be used including:
   a. Functional classification
   b. Design speed
   c. Design vehicle
   d. Urban or rural section

3. Identify network improvements that might address identified problems.

4. Identify alternative alignment, including bypass options, if any, on base map.

5. Identify cross-section alternatives including number of lanes

6. Indicate on base map any horizontal and vertical alignment issues that need to be addressed.

7. Discuss how well the various alternatives do or do not address the “purpose and need statement”, the community’s values, and the issues and concerns of key stakeholders.
What are the Community’s Objectives?

What are the Businesses’ Concerns and Objectives?

What are the Environmental Regulators’ Objectives?

What are the DOT’s Objectives?

How would you write a “problem statement” or “purpose and need” statement for this project?