

# Design Workshop B

## Design Workshop

### Session B

#### 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.**

# Design Workshop B

Tools

## **Problem Statement**

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?

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