

Prepare for and Attend Core Group Meeting

Constructability personnel should begin involvement with a study once the Charter is approved. The Charter contains the problem statement.

Constructability personnel work with the Project Manager, Design Consultant, and other Subject Matter Experts (SME) to develop the best overall solution to the problem. During Concept Development, alternative solutions are explored. The Concept Development activities vary based on the size and complexity of the study. If requested, the Constructability Engineer offers input and feedback from a constructability point of view during this period. At the end of Concept Development (CD), a Preliminary Preferred Alternative (PPA) is recommended. Once the PPA is reviewed and accepted, the Project Manager begins to develop the Preliminary Engineering (PE) Scope Statement.

The PE Scope Statement defines which activities are required to deliver the solution described in the PPA. All projects require a PE Scope Statement.

The Department wants to capitalize on the great deal of information gathered and reviewed by all participants during the CD Phase. During CD, the Constructability Engineer reviews the Purpose and Need Statement, makes site visits and becomes familiar with the transportation problem, and the alternatives considered. The same Constructability function personnel should participate in the development of the PE Scope Statement.

To prepare for the Core Group Meeting and provide input, the Constructability Engineer should become reacquainted with the project by reviewing the following documents:

- Purpose and Need Statement
- Alternatives Matrix
- Aerials, contours, and profiles
- Projected traffic volumes & crash data
- Preliminary construction cost estimates
- Staging sequencing (if appropriate)
- Related reports or studies

Before attending the Core Group Meeting, the Constructability Engineer should consider the following:

- What is the transportation problem?
- Is the Purpose and Need Statement clear?
- What goals must be accomplished?
- Does crash history support project needs?
- What problems result from the currently proposed improvements?
- Is the recommended alternative constructible?

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- Is there a better way?
- Has something obvious been missed?

During the Core Group Meeting, the Constructability Engineer should provide input.

After the Core Group Meeting, the Constructability Engineer should:

- Review and concur with Core Group Meeting Minutes
- Complete the Constructability section of the PE Scope Statement template and have it reviewed and approved by Construction Management

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