

2.1 GENERAL

There are project procedures and processes that are common to every project throughout design development. These procedures and processes are briefly discussed and related references or hyperlinks are provided for further instruction.

2.2 PROJECT DEVELOPMENT PROCESS

The purpose of this section is to define the traffic engineering activities and deliverables as they relate to VDOT's Project Development Process.

As part of the Project Development Process the term Concurrent Engineering Process (CEP) is widely used to indicate the importance of multiple disciplines working together, not only on their "individual" project related activities, but also in a "coordinated" effort that is required to meet major project milestones during project development.

The CEP requires teamwork, cooperation and interaction between the various disciplines. Information must be shared freely and in a timely manner. To support this flow of information, there are five major design phases in the Project Development Process. Each design phase is concluded with a major project milestone team meeting. The following are the Project Development Process phases and milestone meetings.

<u>Design Phase</u>	<u>Team Meeting</u>
Scoping	Scoping Team Meeting
Phase I Design	Preliminary Field Inspection Team Meeting
Phase II Design	Public Hearing Team Meeting
Phase III Design	Field Inspection Team Meeting
Phase IV Design	Pre-Advertisement Conference

Each design phase and milestone team meeting advances the design project to the Advertisement date. An overview of the traffic engineering design activities for each design phase and the deliverables to be shared with the various engineering disciplines are presented in this section. The traffic engineering design activities include:

- Sign Design
- Pavement Marking / Marker Design
- Traffic Signal Design
- Roadway / Interchange Lighting Design