Concurrent Engineering Process Flowchart

Development Phase

Phase I Design
- Initial Roadway Design
- Initiate Environmental Documents and Environmental Screening
- Preliminary Soils Report
- Constructability Review

Phase II Design
- Preliminary Utility Field Inspection (UFI)
- Initial R/W and Utility Assessments/Easements
- Environmental Document Approval
- Constructability Review

Phase III Design
- Field reconnaissance to visually verify plan features in R/W Plans to Support R/W Notice to Proceed on Total Acquisitions
- Final Design and Engineering by All Disciplines to Complete Design Details
- Environmental Compensation and Mitigation
- Funding Authorization
- Constructability Review

Phase IV Design
- Final R/W Notice to Proceed on Partial Acquisitions
- Permit Acquisition
- Design and Engineering to Support R/W Utility and Environmental Processes
- R/W Acquisition and Relocations
- Utility Agreements and Easement Acquisition
- Funding Authorization
- Constructability Review

Construction Program
- Pre-Ad Conference
- Public Hearing

Location & Design Approval

Scoping Team Meeting

PE Authorized

Initiate Scoping
- Establish Design Team
- Purpose & Need
- Assemble / Distribute resource material
- Disciplines investigate scope

State Environmental Review Process (SERP)

All Disciplines Prepare and Establish Scope Schedule, Cost & Constructability

Environmental Compensation and Mitigation

Funding Authorization

Final R/W Notice to Proceed on Partial Acquisitions

Advertise Project

Final Constructability & Bidability Review

Plan Submission to Scheduling & Contract Division

R/W Utility Certification

Funding Certification