

Constructability Review Team

Project development is a team effort under concurrent engineering with all disciplines of VDOT working together and at the same time to produce quality plans in the shortest time possible.

The formal Constructability Review is the responsibility of the District Construction Engineer and is requested by and furnished to the Project Manager in accordance with the Concurrent Engineering Process at the appropriate design milestones. The review team is made up of personnel from all disciplines having expertise in the areas of a particular project.

The first constructability review is performed prior to the Scoping Meeting. The team for this review is comprised of one or two District Construction personnel and a representative of the Residency. The construction representative(s) will also participate in the Scoping Meeting to discuss the potential problems so they can be minimized or eliminated during the design process.

The next four constructability reviews should include the participation of the design divisions or groups and the residency under the leadership of the District Construction Engineer. The team size varies depending on the type of project. A “no-plan” or a small “minimum plan” project would be reviewed by one or two District Construction Personnel and representative of the Residency. The other projects are to be reviewed by a team representing the disciplines involved and two District Construction Personnel. The results of the reviews shall be recorded on a VDOT comment resolution sheet and provided to the Project Manager for incorporation to the project.

These teams need to be comprised of personnel who are familiar and experienced in the type of work included in the project such as roadway, utilities, drainage, bridge, landscaping, environmental, traffic flow, maintenance, etc. and is led by the District Construction Engineer or Designee. Utilizing design staff helps in two ways. First, it utilizes experience in design parameters to ensure that the constructability review produces a reasonable conclusion that fits desired design requirements. Second, it provides designers experience in dealing with and understanding constructability issues and requirements.

The last review is the Bidability Review and should be conducted by District and Central Office Construction Personnel. The team size varies, between two to five persons, depending on the project work. These team members need to be familiar and experienced with the Specifications and Special Provisions of VDOT.