



1.1 General

Questions or comments about Constructability Reviews should be directed to Don Greuel, Project Services Section Chief, Bureau of Highway Development, at (608) 267-7774.

1.2 Constructability Reviews

Constructability reviews are intended to improve the effectiveness of a set of plans and specifications by having those with construction expertise participate in the review. Those involved in constructability reviews should be reviewing issues that affect the ability for contractors to understand the plans and specifications well enough to provide well informed bids and meet the Department requirements during construction. Reviewers should also be considering whether the plans and specifications are allowing the contractor to perform the work in the most efficient manner possible, while delivering a high quality product. Those conducting the reviews should have knowledge of construction practices and the ability to make independent cost estimates of the work elements. If a project has an issue that can benefit from industry input, but does not justify extensive overall review, the local construction industry expertise should also be used.

The AASHTO Subcommittee on Construction has defined the "Constructability Review" as "a process that uses construction personnel with extensive construction knowledge *early in the design stages* of projects to ensure that the projects are buildable while also being cost-effective, biddable, and maintainable."

An effective constructability review process should assure that:

1. The project, as detailed in the plans and specifications, can be constructed using standard construction methods, materials and techniques;
2. The plans and specifications provide the contractor with clear, concise information that can be utilized to prepare a competitive, cost-effective bid; and
3. The work when constructed in accordance with the plans and specifications will result in a project that can be maintained in a cost-effective manner by the agency over the life of the project.

It is recommended that constructability reviews be used on most reconstruction and expansion improvement types and considered for other improvement types, especially if new or rarely used construction technique or material are being implemented.

For further information, see the AASHTO Constructability Review Best Practices Guide at:

<http://construction.transportation.org/Documents/AASHTOConstructabilityFinal.pdf>