

ENGINEERING DIRECTIVES AND STANDARDS

Volume	Chapter	Section	Directive Number	Effective Date
III	1	1	32	6/23/2017

SUBJECT: CONSTRUCTABILITY / BID-ABILITY REVIEW

1. PURPOSE: This directive is hereby established to create a uniform policy for the review of construction plans and proposals for constructability and bid-ability. This structured review of construction bid documents is intended to make certain that the work requirements are clear, the documents are coordinated, and that they assist the contractor in bidding, construction and project administration resulting in reduced risk to the project.

2. DEFINITIONS:

Constructability is a project characteristic that reflects the ease with which a project can be built and the quality of its construction documents; the extent to which a design of a facility provides for ease of construction yet meets the overall requirements of that facility.

Bid-ability is the degree to which a set of bid documents could be reasonably expected to permit a bidder to establish a competitive price to perform the work as defined in the bid documents. Bid-ability focuses on whether the bid schedule reflects the work scope, if quantities can be determined from the drawings and if contractors can prepare competent bids at reasonable cost.

3. SCOPE: This directive applies to all projects let through DOTD Headquarters.

4. PROCEDURE: Project constructability is an obvious necessity that should be considered throughout the project development process. DOTD's *Construction Plans Quality Control / Quality Assurance Manual*, available on the Department's website, formalizes the process of required plan reviews and checks.

A plan review specific to constructability and bid-ability is performed at the 95% final plan stage of project development. One of the two processes described below can be used to document the constructability - bid-ability review:

- A. The Project Manager will ensure that 95% complete final plans are delivered to the DOTD Project (Resident) Engineer, the appropriate constructability/bid-ability review form (standard forms available on the DOTD website) is completed, and comments are adequately resolved. The Project Manager will insure that the construction proposal is complete and in agreement with the plans. The completed form, including the resolution of comments, is submitted to the Chief Engineer with the final plans.
- B. The Project Manager may schedule a 95% final plan review meeting, with the appropriate DOTD design and construction representatives in attendance. Project constructability and bid-ability should be discussed at these meetings and any issues should be resolved and incorporated into the plans. The Project Manager will ensure that the construction proposal is complete and in agreement with the plans. Documentation of the issues discussed and resolutions should be submitted to the Chief Engineer with the final plans.

5. OTHER ISSUANCES AFFECTED: All other directives, memoranda, or instructions issued heretofore in conflict with this directive are hereby rescinded.

6. EFFECTIVE DATE: This directive is effective immediately.

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