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Constructability Best Practice Definition The effective and timely integration of construction knowledge into the conceptual planning, design, construction, and field operations of a project to achieve the overall project objectives in the best possible time and accuracy at the most cost-effective levels.

Overview This research is the first effort of CII, published in July 1986, to define and quantify the benefits of an effective constructability program. It defines constructability as the optimum use of construction knowledge and experience in planning, design, procurement, and field operations to achieve overall project objectives. CII defines constructability as “the optimal use of construction knowledge and experience in planning, design, procurement, and field operations to achieve overall project objectives.” The benefits of an effective constructability program include:

- Reduces overall project cost by 4.3% on average

The Construction Industry Institute (CII) released guidelines for constructability in 1986, in which constructability is defined as optimum use of construction knowledge and experience in planning, design, provisions and implementation to achieve project overall objectives (O’Connor, 2006).