



Construction Industry Institute®

Constructability A Primer

The purpose of this publication is to make available to industry the results of research conducted by the Construction Industry Institute (CII). The publication does not necessarily represent the views of all CII member companies, but is offered as a contribution to the industry.

CII was founded in 1983 to improve the cost effectiveness of the nation's largest industry. The members, who represent a broad cross-section of owners and contractors, believe that many of the problems that limit cost effectiveness are common ones, and that real improvements can be best accomplished in a cooperative environment with the benefits being shared by the construction industry at large.

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Constructability

A Primer

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PREFACE

Constructability means better projects — lower costs, better productivity, earlier project completions, and earlier start-ups.

Owners, designers, and builders who belong to the Construction Industry Institute (CII) believe this statement.

This publication is addressed to the executives who really cause things to happen in industry so that they will be aware of how they too can benefit from a constructability program — how they can realize the cost savings which better constructability will produce. Paybacks range up to fifteen to one.

The message is — “Be sure that construction considerations are incorporated into every phase of a project — feasibility studies, conceptual planning, design, procurement, as well as construction.”

WHAT IS CONSTRUCTABILITY?

Constructability is the optimum use of construction knowledge and experience in planning, design, procurement, and field operations to achieve overall project objectives. Maximum benefits occur when people with construction knowledge and experience become involved at the very beginning of a project. This is illustrated by the following chart (Figure 1).

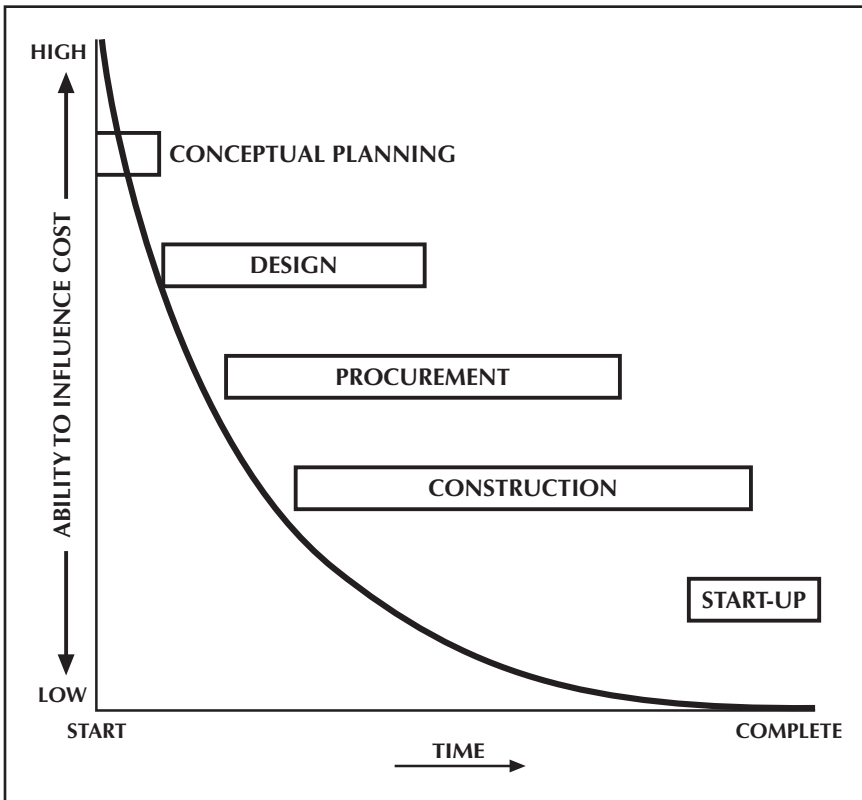


Figure 1. Ability to Influence Final Cost over Project Life