

Objectives

Based upon a comprehensive research project, NCHRP project 10-99, a model was created to assist transportation professionals in allocating constructability review resources. The tool answers the following questions—What level of formality should be conducted in the constructability review process (CRP) for a given project?, What tools should be used in performing the CRP?, Who should be involved in the CRP?, and When should the CRP commence? And at what milestones should the CRP be revisited?

The tool consists of a series of 29 questions in the following areas:

- General project information (e.g., project type, delivery method, estimated cost, etc.)
- Physical characteristics (e.g., challenges with geotechnical conditions, traffic issues, ROW, railroads, etc.)
- Intangible features (e.g., number of permitting agencies involved, potential for long-term maintenance issues, etc.)
- Local circumstances (e.g., access for emergency vehicles & school busses, availability of skilled labor)
- Agency decisions/capabilities (e.g., conducting CRP in parallel with NEPA and other environmental permitting)