

# CONSTRUCTION MANAGEMENT OF CAPITAL PROJECTS

## BEST PRACTICES AND MANAGEMENT

### Pre-construction

- Accurate Existing Condition Analysis (surveys, geotechnical reports, structural analysis)
- Constructability Reviews & specifications
  - Quality and standards of a project are established during this review, the choice of products, materials and requirements for substitutions all set the parameters of the project.
  - Verify construction sequence from the eyes of a contractor, verifies that there are no conflicts between the drawings and specifications.
- Contractor Evaluation
  - Deterring poor performance contractor
  - Implementation Plan
- Contractor experience, expertise & specialized work

### Construction

- Project Partnering
  - Neutral facilitator, adopt a project charter, resolution ladder to resolve disputes
  - Minimize and manage risks
  - Build high performing team, jointly developed strategies
  - Improves safety, schedule, & quality
  - Construction Institute: total project cost reduced by 10%, project delivery time reduced by 20%
- Quality Control & Quality Assurance
- Project submittals
- Weekly meetings to track the progress of work/resolve issues
- Cost control and change order review
- Construction schedule analysis; sequence, logic & procurement
- Project Punch-list and closeout
- Retention held & Liquidated damages