
Design Services

Design Management

Engineering Service Scoping
Selection of Consultants
Qualification Based Selection
Service Fee Review
Design Costs
Project Methods and Standards
Design Scheduling

Specifications

Contract Documents
Contracting Procedures
Standard / Master Specifications
General Provisions
Technical Specifications
Material Specifications
Reference Standards
Advertisement / Invitation to Bid
Bid Evaluation / Award

Civil Engineering

Structural Analysis

Beams, Columns, Trusses, Frames
Arches, Torsion, Cables, Flat
Plates, Finite Element Analysis,
Mesh Convergence Studies
Staad. Pro

Foundation Design

Foundation Loads
Spread Footings / Mats
Pile Foundations
Cofferdams / Dewatering
Slope Stability

Concrete Design

Reinforced Beams, Columns, Slabs
Prestressed Beams, Columns, Slabs
Precast Beams, Columns, Slabs

Design Services

(Continued)

Civil Engineering (Continued)

Steel Design

Beams, Columns, Trusses, Joists
Metal Decks, Metal Roofs, Built Up
Members
Welded / Bolted Connections
Floor and Roof Systems
Lateral Force Design

Wood Design

Beams, Columns, Panels, GluLam
Flitch Beams

Construction Surveys

Vertical / Horizontal Control
Elevation Certificates

Earthwork

Volume Assesment, Compaction

Water Resources

Pipe Flow, Pipe Stress, Culverts
Open Channels, Pumps
Sewer Gravity Lines, Sewer Lift
Sewer Force Mains

Harbors/ Ports

Piers /Docks -Open / Closed
Construction
Dolphins

Construction Management

Lump Sum, Unit Price, Cost Plus Contracts
Project Management, Construction / Critical
Path Scheduling, Claims / Change Orders
Cost Estimating