

BRIDGE DESIGN & CONSTRUCTION ENGINEERING



Bridge design and construction engineering are our core competencies. For the last twenty years, we have mostly focused on design-build and Public-Private Partnerships (P3) projects for the Departments of Transportation in the states where we have practiced. With extensive experience in diverse bridge types and structural systems, utilizing a range of materials, we specialize in delivering innovative solutions to complex technical challenges through the application of advanced technologies.



CAPABILITIES

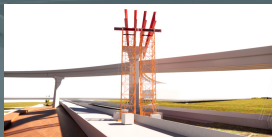
- Value Engineering
- Structural / Bridge Design Optimization
- Bridge / Structural Shop Drawings
- Bridge Erection Engineering & Procedures
- Bridge Inspections & Load Rating Analysis
- Bridge Demolition & Procedures
- Bridge Rehabilitations & Retrofit
- Temporary Shoring
- Formwork, Falsework & Temporary Bracing Design
- Temporary & Permanent Retaining Wall Design (MSE, Cantilever, Soldier Pile, Anchored)
- Tiebacks, Soil Nailing, Secant & Drilled Shafts Design
- Repair and Corrective Procedures for Deep Foundations Misalignment
- Repair and Corrective Procedures for Construction or Structural Deficiencies
- Traffic Control TCP Redesign / Optimization
- Request for Information (RFI)
- Field Design Changes (FDC)
- Ancillary, Precast & Post-tensioned Concrete Structures



I-285 and SH-400 Interchange Reconstruction, Atlanta, GA



SH 146 and SH 3 Bridge Replacement, Galveston County, TX



I-35 NEX Central Project – Erection Sequence for Bridge 109, Laredo, TX