



### **Construction Management**

#### **Project Management**

Change Order & Claim Preparation  
Independent Quantity Surveys  
Project Closeout  
Independent Project Progress Reporting  
Strategic Planning / Dispute Resolution  
Critical Correspondence  
Quality Control Plans  
Safety Plans  
Technical Document Preparation

#### **Scheduling**

Contract Baseline & Update Schedules  
Technical Proposal / Bid Schedules  
Time Impact Analysis  
ACOE / NAVFAC Project Experience  
Independent Schedule Reviews  
Primavera Training  
P3 & P6 Proficiency with Licensing  
Resource & Cost Loading  
Schedule Narratives

#### **Project Pursuit & Estimating**

Design-Build / Technical Proposals  
Quantity Takeoffs  
Crew / Equipment Productions  
HCSS Proficiency  
Value Engineering  
Technical Writing

#### **Owner / Construction Management**

Independent Constructability Reviews  
Independent Claim & Cost Reviews

### **Construction Engineering**

#### **Construction Operations**

Lifting & Rigging Plans  
Crane Stability Calculations  
Erection Planning – Steel & Precast Structures  
Concrete Placement  
Access Platforms

#### **Temporary Structures**

False Work Engineering  
Shoring & Cofferdams  
Concrete Formwork  
Tower Crane Foundation Design  
Demolition Planning

#### **Contractor Design Services**

Pile Load Testing  
Crane Chart Certification  
Temporary Works / False Work Certification  
Lifting Beam Certification  
3-D Finite Element Modeling

#### **Permanent Works Design**

Retaining Walls  
Foundations  
Structural Steel  
Timber  
Concrete

#### **Earthwork Construction & Layout**

Mass Haul Planning & Diagrams  
Independent Quantity Calculations

**Expert Witness Services available for any of the above noted specialties.**

### **Certificates and Professional Registrations**

#### **Ken Hirschmugl**

Professional Engineer – (Ohio, Maryland, Kentucky, Virginia, District of Columbia, South Carolina)

#### **Amy Heine**

Certified Cost Engineer, Engineer-In-Training, (Maryland), ACOE/NAVFAC Construction Quality Control