



Cory McElprang

CURRICULUM VITAE

POSITION:

Forensic Engineer

PROFESSIONAL REGISTRATIONS:

Professional Engineer in the State of Arizona - #61839

Professional Engineer in the State of Utah (Expired) - #10178761-2202

EDUCATION:

Bachelor of Science in Engineering | Civil Engineering

May 2014

Arizona State University; Ira A. Fulton School of Engineering

EXPERIENCE:

Ward Cornett & Associates

Forensic Consultant | Forensic Engineer

January 2022

The Ward Group

Forensic Consultant | Forensic Engineer

2021- 2022

Responsibilities include forensic investigation, document analysis, visual inspection, development of repair recommendations, standard of care, engineering analysis, and building code and materials research. Expertise includes:

- Foundation Analysis
- Soil Mechanics
- Construction Document Assessments
- Construction Materials Testing
- Cost Estimating
- Geotechnical Design
- State and Local Government Construction Specification Compliance

Mr. McElprang's predominant technical expertise is founded in Civil Engineering with an emphasis on Geotechnical Engineering and Construction Materials Testing. His experience includes geotechnical investigation and analysis, construction materials testing, and construction quality control.

Mr. McElprang has experience on a variety of projects including major highways, roadways, airports, landfills, commercial developments, and residential construction. Mr. McElprang specializes in failure analysis.

Hoque & Associates, Inc.

Project Manager | Principal

2014-2021

Overall operation of the Construction Materials Testing and Non-Destructive Testing departments.

Responsibilities included:

- Estimating
- Contract Negotiations
- Construction Materials Analysis
- Prescribing Testing Programs for Materials Testing
- Field Inspections for New and Existing Construction
- Report Preparation and Analysis
- Evaluation of Defective and Deficient Products
- Site Assessment
- Maintaining a Safe Work Environment and Practices
- Training of Engineering Field and Geotechnical Staff
- Non-Destructive Testing of Deep Foundations

Geotechnical Staff

2008-2014

Inspections, sampling, documentation, observations, directing field activities related to construction quality control and assurance, geotechnical investigations, and non-destructive testing. Responsibilities included:

- Construction Materials Testing
- Reclaimed Landfill Remediation
- Phase 1 Site Assessments
- Geotechnical Investigations
- Drilled Shaft Integrity Testing
- Special Inspections

Alpha Geotechnical & Materials, Inc.

Senior Engineering Technician

2005-2008

Construction Materials Testing and Inspection. Responsibilities included:

- Construction Materials Testing
- Special Inspections
- Geotechnical Investigations

PAST/PRESENT CERTIFICATIONS & AFFILIATIONS:

- American Society of Civil Engineers
- Deep Foundations Institute
- American Concrete Institute
- Arizona Technical Testing Institute



PUBLICATIONS/PRESENTATIONS:

“Crosshole Sonic Logging Versus Perimeter Sonic Logging: What Have We Learned?”

44th Annual DFI Conference on Deep Foundations 2019

“Drilled Shaft Integrity Testing”

ADOT Bridge Group November 2016