

Practice Overview

Richard J. Driscoll, Consulting Engineer (RJDCE) provides structural and foundation engineering services, specializing in managing the technical challenges and risks associated with foundation systems, below ground structures and construction in the urban environment.

The practice uses technical knowledge and experience to solve problems that require confronting uncertainty, in which qualitative understanding of the problem and its site specific constraints, as well as practical application of engineering judgment, are crucial. Rather than take a one-size-fits-all approach, each engagement is approached individually with the recognition that the objectives, constraints and stakeholder risk profiles are unique to each.

RJDCE's core practice areas include:

- Foundations and Geotechnical Systems Analysis and Design
- Structural Analysis and Design
- Structural and Foundation Investigations
- Risk Management for Below-Ground Construction and Urban Sites

RJDCE adds value to project engagements through the following:

- An integrated, multidisciplinary approach to foundations, below-ground structures and urban construction impacts, through structural, geotechnical, construction and forensic engineering services.
- High-value, project-specific technical solutions and risk management, to increase the performance and reduce the cost and/or risk of foundations, below-ground structures and urban construction.
- A holistic risk management perspective that is integrated with engineering services to provide reliable and cost-effective measures to control the effects of uncertainty.



Practice Areas

- **Foundation/Geotechnical Analysis and Design**
 - Design Assistance and Construction Phase Consultations
 - Deep Foundation Elements
 - Excavation Support Systems
 - Pile Caps and Footings
 - Retaining Walls
 - Underpinning Systems
 - Waterproofing and Foundation Drainage
- **Structural Engineering Analysis and Design**
 - Delegated Design Submittals
 - Temporary Structures for Construction
 - Civil Structures
- **Structural and Foundation Investigations**
 - Condition Assessment of Buildings and Civil Structures
 - Construction Claims Evaluation/Support
 - Forensic Investigations
 - Litigation Support
- **Risk Management**
 - Condition Surveys for Buildings and Civil Structures
 - Consulting for Owners of Properties Adjacent to Construction
 - Construction Impact Assessment for Below-Ground Construction and Urban Sites
 - Monitoring and Protection Plans
 - Peer Reviews: Structural, Geotechnical and Construction Engineering