

STRUCTURAL RESTORATION TECHNOLOGIST

Crosier Kilgour is seeking a highly skilled **Structural Restoration Technologist** to join our growing Structural Restoration team. This role is focused on the investigation, assessment, documentation, and construction review of existing concrete, masonry, steel, and wood structures. The ideal candidate combines technical curiosity, strong communication skills, attention to detail, and a practical approach to solving complex building performance and restoration challenges. The position involves field investigations, preparation of construction documentation and field reports, site reviews during construction, and close collaboration with engineers, clients, contractors, and internal project teams.

About Us

Crosier Kilgour is a consulting engineering firm with unique character and capability. While we take our professional responsibilities seriously, we bring a dynamic, approachable personality to our work. Our clients choose us for our depth of experience, breadth of knowledge, and commitment to innovation, paired with a genuinely collaborative spirit.

We believe that forming lasting relationships with clients, colleagues, and communities is as integral to our business as building durable structures. Our team is approachable, imaginative, and committed to delivering sustainable solutions that positively impact the built environment.

We invest in mentorship and professional growth, fostering a collaborative workplace where every member is empowered to contribute and succeed. Guided by these core values, we consistently deliver market-leading expertise and service to our clients across Manitoba, Saskatchewan, and beyond.

Job Responsibilities

Structural Assessment & Field Investigation

- Conduct on-site structural inspections of buildings, parking structures, foundations, balconies, façades, and other existing building infrastructure.
- Diagnose structural performance issues such as cracking, corrosion, movement, water infiltration, distress, or material deterioration.
- Perform destructive and non-destructive testing, coordinate with materials testing specialists, and interpret investigation results.
- Identify likely root causes of distress, including corrosion, cracking, movement, and water infiltration.
- Document findings through clear notes, photographs, sketches, and test data.

Documentation, Design Support & Construction Phase Services

- Prepare construction field reports and technical documentation summarizing observations, quantities, repair locations, and recommendations.
- Quantify and record structural repairs and assist with construction cost estimating and project tracking.

- Create CAD-based construction drawings and assist with repair details, specifications, and tender documents.
- Assist with technical reports summarizing findings, recommendations, and supporting engineering rationale.
- Support the project engineer during initial assessment, design, and construction phases.
- Conduct site reviews throughout construction to confirm general conformance with design intent and adapt documentation as required.
- Support project planning activities including scope development, cost estimating, and scheduling.

Project Coordination & Teamwork

- Collaborate with internal colleagues and external project team members to support successful project delivery.
- Plan assigned work in coordination with the project team to meet scope, schedule, and budget expectations.
- Work with architects, contractors, consultants, and clients throughout the investigation, design, and construction phases.
- Maintain clear communication and attention to detail while balancing work across multiple active projects.
- Complete other duties as required.

Candidate Requirements

As a member of our team, you will bring the following qualifications, with increasing depth and breadth expected for more experienced applicants.

Education & Registration

- Diploma in Civil Engineering Technology.
Certified Engineering Technologist designation, or eligibility for CTTAM membership.

Skills & Attributes

- 2–10+ years of relevant experience in structural restoration, rehabilitation, forensic engineering, or structural design.
- Experience with concrete repair, masonry restoration, post-tensioned systems, corrosion mitigation, waterproofing, or façade assessment is considered an asset.
- Strong understanding of structural materials and deterioration mechanisms.
- Excellent problem-solving skills, attention to detail, and strong written and verbal communication skills, including the ability to clearly present technical information.
- Knowledge of building codes, standards, and industry best practices relating to existing buildings is considered an asset.
- Detail-oriented, organized, and able to manage competing priorities across multiple projects.

Ability to work independently and collaboratively within a multi-disciplinary project team.

- Proficiency in AutoCAD is required, and familiarity with analysis/design software is an asset.
- Proficiency in Microsoft Office applications.
- Physically able to conduct field work and site inspections under varied conditions.
- Eligible to work in Canada and obtain government security clearances.
- Valid Manitoba Class 5 driver's license.

Why Crosier Kilgour?

Joining Crosier Kilgour means becoming part of a collaborative structural restoration team where technologists gain hands-on field experience, mentorship from experienced engineers and technologists, and exposure to a wide range of meaningful repair and rehabilitation projects.

What You will Experience

- **A respected and expert team:** Be part of a firm with a long-standing reputation for engineering excellence, integrity, and service and work alongside a team of respected engineers and technologists with decades of design, investigation, and restoration experience.
- **Purposeful, diverse projects:** Engage with a variety of challenging and meaningful projects that positively impact the built environment in Manitoba, Saskatchewan, and beyond.
- **True professional growth:** Build your skills in a collaborative workplace that values mentorship, technical development, and professional advancement.
- **A supportive culture:** We value openness, curiosity, and a team-oriented approach.
- **Exposure to varied challenges:** Work with a range of structural systems, materials, and building types.

JOB DETAILS

Location: Winnipeg
Hours: Daytime Hours,
Monday to Friday
Job Type: Full-time, permanent
in-office position

COMPENSATION

- Competitive compensation package, including bonuses
- Group Health Benefits
- RRSP Matching
- Paid Professional Development
- Paid Professional Association Dues
- Fitness Spending Allowance

Please e-mail your application to careers@crosierkilgour.com.

Although we appreciate all applications, only those short-listed will be contacted for an interview.

Application Deadline: Open