

# CAREER OPPORTUNITY



POSITION TITLE    Intermediate Structural CAD Operator

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STATUS                Permanent, Full Time

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LOCATION              Vancouver, BC

## About McElhanney

Based in Western Canada for over 100 years, McElhanney offers innovative and practical engineering, surveying, mapping, planning, landscape architecture, and environmental services. As a 100% employee owned and operated firm, with over 1,000 staff members, we are proud to offer qualified staff with shareholding options in our company. Our teams work hard to build strong connections with our staff, clients, and local communities.

Our award-winning engineers embrace a trailblazing spirit by challenging conventional thinking, questioning the status-quo and expressing our passion to use engineering to make the world a better place. We recognize that our projects must serve the interests of our communities for the long term. Therefore, our teams specialize in bridges and structures, transportation, municipal infrastructure & roadways, water resources, land development, geotechnical, construction and electrical engineering services. From senior management to our most junior recruits, we are partners in solving our clients' challenges.

## Role Overview

*McElhanney Consulting Services Ltd.* has an opportunity for an *Intermediate Structural CAD Operator* to join our team in Vancouver! This role is ideal for someone who is looking for a challenging opportunity in Structural CAD Drafting, with skills to be utilized on a wide variety of bridge design projects, including but not limited to highway bridges, transit structures, and long span bridges. The ideal individual will come with solid experience in AutoCAD software. Civil 3D/Revit and MicroStation experience will be definite plus.

## Responsibilities

- Production of design drawings for steel and concrete bridges including connections and reinforcement details for wide variety of projects.
- Drafting for erection engineering plans and production of shop drawings (segmental and steel).
- Translate preliminary concepts and sketches into engineering plans according to client-specific standards, using primarily AutoCAD, as well as other technical software as needed.
- Assist junior drafters in the production of engineering plans and tender documents for structural bridge projects.
- Coordinate with other drafting and engineering team members to ensure schedules, budgets and quality control standards are achieved.
- Collaborate with other disciplines both internally and externally.
- Assisting in improving AutoCAD standards for structural drafting.



- Other duties as required.

## Requirements

- Certificate or diploma in Civil Engineering Technology, with at least 7 - 10 years' experience in structural drafting and design.
- Registration as an A.Sc.T. or other technical accreditations is an asset.
- Experience with bridge design/drafting and MoTI standards, and an understanding of highway geometric design is an asset.
- Experience in Civil 3D and Building Information Modeling (BIM), especially Revit, would be an asset.
- Detailing experience according to the Canadian Highway Bridge Design Code CSA-S6-14 would be an asset.
- Advanced proficiency in AutoCAD Software is essential.
- Excellent attention to detail and drive for excellence.
- Effective verbal and written communication skills are a must.
- Ability to work without supervision as well as within a busy and close-knit team environment.

*Our bridge group is fast becoming an internationally recognized team with consistent track record of award-winning iconic projects worldwide. Come become an integral part of this dynamic group!*



*If this is the opportunity for you, apply now or visit [www.mcelhanney.com/careers](http://www.mcelhanney.com/careers) to apply online. We thank all applicants for their interest; however, only shortlisted candidates will be contacted.*

*McElhanney's Vancouver office is conveniently situated right downtown – close proximity to transit, shopping, and access to virtually any other amenity that you may require makes this a great place to work. In this location are operational branches including civil and structural engineering, surveying, and mapping, as well as the Corporate branch, which houses the Executive group as well as central services such as Marketing, Human Resources, and Safety.*