



Junior Engineer

Construction Department

Permanent unionized position

Full time - 37.5 h/week

Salary range for 2026 \$ 60 055.62 to \$ 85 278.89 *

Location: Quebec City

* Note that if the candidate has a maximum of four years of experience and has a full licence to practise engineering as recognized by the OIQ, the salary will be adjusted according to the appropriate scale for engineers.

The Jacques Cartier and Champlain Bridges Incorporated (JCCBI) is looking to expand its team to oversee the management, repair and maintenance of Québec's road-traffic and active-mobility infrastructure.

Our community

JCCBI is a cohesive team with a united voice that connects through cooperation and a culture of mutual support and innovation to achieve its goals. Choosing a career at JCCBI means joining a network of experts who innovate and uphold the sustainability of Québec's iconic infrastructure. The goal of JCCBI's team is also to create connections that join one side of the Island to the other, promote human and economic activity in Québec, and help JCCBI experts converge their talents.

The benefits of working at JCCBI

JCCBI is a Crown corporation that provides excellent benefits, a work-life balance, and professional development opportunities. JCCBI is committed to workplace equity, diversity and well-being and organizes social and community activities for its community. Here are just a few of these benefits:

- Flexible hours.
- Hybrid schedules: 3 days a week in the office and 2 days of remote work.
- Federal public service defined-benefit pension plan.
- 15 vacation days (after one year of service), 15 sick leave days, and 5 paid personal days.
- Comprehensive group insurance program.
- Reimbursement of sports activity fees.
- Continuing education program.
- Referral program.
- Partial reimbursement of monthly public transit pass or free parking.
- Even more to discover!

Your mission

JCCBI is looking for a Junior Engineer to help fulfill the mission of the Construction Department which is stated as follows: Our department applies integrity and thoroughness to soundly manage construction and repair contracts on our infrastructure, in partnership with internal and external stakeholders, while minimizing the impact on users.

Main duties

Reporting to the Manager, Construction, you will oversee the implementation of the maintenance program by carrying out major projects for any of the Corporation's current or future civil engineering structures. You will be responsible for carrying out various technical and administrative tasks related to tracking the Corporation's construction contracts.

You will play an active role in monitoring work plans, controlling budgets and costs, meeting deadlines, carrying out analyses, and handling amendments and claims. You will work in close collaboration with the engineering firms hired by the Corporation each year to monitor and ensure the quality of construction work. You will collaborate on the development and implementation of new tools for the management of structures owned by JCCBI. You will also be called upon to support Engineers and Managers in the Construction Department, as well as Project Managers, by analyzing certain reports, plans and specifications and recommending the best course of action.

Contract management

- Support engineers in the Construction Department with their tasks by providing technical and administrative support, including reviewing documents, researching information, compiling data and preparing follow-up reports, as required and as per the principles of Project Management.
- Act as a support person for the project team and as a contact person in the field, in particular with representatives from CN and the MTMD, which will be carrying out large-scale work at the same time as the Corporation.
- Prepare reference terms to award contracts to external consultants for professional services to supervise major maintenance work, quality assurance through testing laboratories, and claims analysis.
- Effectively liaise between the contractors providing the technical assistance and the Construction teams.
- Support the Engineers from the Construction Department in monitoring professional service contracts as per best Project Management principles.
- Effectively communicate and inform your Functional Manager and Project Directors about any contract management issues.
- Ensure that construction contracts are executed in compliance with the requirements of JCCBI's plans Assist the site supervision teams and visit work sites to ensure that the work is advancing and is of the required quality.
- Attend all work and project meetings and inform the project team of any issue that may impact the timetables of projects.
- Prepare authorizations for additional work, track progress reports for payments to external consultants and contractors, ensure that work schedule milestones are met, and control financial forecasts.
- Coordinate major work on JCCBI's network with different internal and external stakeholders.
- In collaboration with JCCBI's Engineering Department, help prepare tenders for the awarding of construction contracts.

Work planning and analysis

- Review studies, plans and specifications prepared by external consultants and issue recommendations to the Department, validate any measures to be taken, and follow up on their implementation.
- Help the Engineers prepare budgets and produce regular progress reports.
- Participate on committees or discussion panels related to your area of expertise (e.g. contract reviews with the Engineering Department).
- Provide assistance to Engineers, particularly by providing relevant information to prepare various analysis tables, methods or analysis tables and monitoring projects and/or structures.
- Help the Manager and the Director, Construction develop and deploy tools to improve the quality of deliverables from external consultants and continuously improve internal services.
- Work closely with JCCBI's partners.
- Carry out all other tasks or responsibilities related to your position.

Experience and education

- Bachelor's degree in civil engineering and a maximum of four years of relevant experience in engineering and/or administering construction contracts.
- Be a member in good standing of the Ordre des ingénieurs du Québec (OIQ) or be a Candidate to the Engineering Profession (CEP).
- Show an interest in monitoring and administering contracts, including evaluating work, holding meetings and negotiating payments.

- Be able to understand and interpret plans, specifications and technical drawings.
- Knowledge and proficiency with Microsoft Office (Excel, Word, Outlook et Access) suite including MS Project.
- Hold an ASP Construction card and be familiar with relevant and recognized construction safety standards.
- A valid class-5 driver's licence.
- Proficiency in written and spoken French and ability to communicate verbally in English.

Assets

- Experience with engineering consultancies or firms working in the field of road infrastructure.
- Be familiar with the MTMD general specifications and standards as well as the standards and regulations, both federal and provincial, relating to roads and bridge and viaduct structures, the environment and health and safety on construction sites.

Key skills

- Have good organizational, time management, and prioritization skills.
- Be respectful of objectives and deadlines.
- Be a good communicator, both verbally and in writing, communicating clearly, concisely, and effectively with stakeholders at multiple hierarchical levels.
- Demonstrate initiative, resourcefulness, and autonomy.
- Team player, recognized for your ability to develop positive interpersonal relationships.

Specific work conditions

- Be able to work on high structures or in confined spaces using fixed or mobile devices with a harness.
- This position is based in our Quebec City office. Occasional travel to our Longueuil head office may be required.

Bridge your career. Take the first step to become an essential part of our community. Send your resume and cover letter to:

Jean-Sébastien Plourde, Senior recruiter, Partner

[TechnoGénie - Talent Acquisition Experts](#)

Montreal: (514) 931-9880

Quebec: (418) 627-8080

jsplourde@technogenie.com

Find out more on JCCBI's **[Careers](#)** page.

JCCBI is an equal opportunity employer. We encourage applications from First Nations people, women, racialized people, and people with disabilities. Our offices are also accessible for people with disabilities or functional limitations.