

## BCIB Trade Profiles

British Columbia Infrastructure Benefits Inc. (BCIB) is a Crown Corporation employing skilled trades people on major infrastructure projects throughout the province. We employ the labour force on projects that fall under the Province's Community Benefits Agreement (CBA). When you join our database of skilled tradespeople, you gain access to a network of projects.

Through the CBA, we open doors for underrepresented workers, maximize apprenticeship opportunities, and work to create respectful and welcoming worksites. Our goal is to help you progress in your career with consistent work closer to home.

### **Office and Technical – Quality Inspector (Structural/ Paving/ Concrete)**

Quality Inspectors are required on the Pattullo Bridge Replacement Project all through the year 2022.

#### **Job Profile Overview:**

As a Project Quality Inspector, you are expected to be responsible for the bridge and associated construction inspection and monitoring of work activities to ensure conformance with the applicable drawings, specifications, schedules, work plans and procedures.

The Quality Inspector will also be monitoring in-process civil related construction activities to ensure quality work in accordance with Project's Inspection and Test Plans and the Construction Quality Management Plan.

#### **Working Conditions:**

- Extended shift hours in changing weather conditions
- Noisy and dusty environments on dynamic terrains
- Busy job environment with multiple trades working together
- Personal Protective Equipment will be required (e.g., steel-toed safety boots, safety glasses/goggles, etc.)
- Construction jobs may require workers to be in good physical condition with an ability to work long hours.

#### **Experience, qualifications, and certifications that are considered an asset:**

- Must have a minimum of 5 years related bridge and associated structures inspection experience.
- Must be able to study and understand the Construction Quality Management Plan, Inspection and Test Plans and understand Hold and Witness point inspections, develop and implement checklists.
- Must be able to perform inspections to verify the work being done in accordance with ITPs, drawing, technical specification, and project requirements.
- Inspect and monitor the installation of the structural components of the bridge including stay cable, post tensioning & structural steel. (Structural Scope)
- Inspect and monitor piling installation (to ensure location and bearing) and reinforcing bar placements. (Structural Scope)
- Inspect and monitor concrete preparation, pour and curing. (Concrete Scope)

- Inspect and monitor the excavation of the roadbed, pavement restoration or new roadway, asphalt paving/hot mix asphalt (HMA) overlays and traffic control. (Paving/ Road Surfacing Scope)
- Be able to perform material testing for aggregates, asphalt concrete pavement and embankment (Concrete and Paving/Road Surfacing Scope)
- Coordinate with the operations team to schedule QA/QC inspections and tests.
- Identify and report nonconforming work and verify nonconforming work is completed as per agreed resolution.
- Review Civil and Structural QC/QA tests, material specifications and testing reports for compliance with project documentation.
- Must have a good understanding of DBSS, ASTM, CSA, AISC, MMCD and other relevant specifications or standards.
- Good understanding of asphalt pavement and construction is required for Paving / Road Surfacing Inspector.
- Cable Stay, Post Tensioning, Precast Concrete, Bridge Deck Steel structure is required for Concrete & Structural Inspector.
- Ability to work either dayshift/nightshift, alone or with team.
- Must have good communication and interpersonal skills. Able to prepare daily reports of work progress and inspection.
- A Certified Welding Inspector and AUTOCAD an asset.
- Ensuring adherence to municipal or provincial standards, engineering design drawings, and technical specifications.
- Have an understanding and the ability to follow safe work procedures. Site Ready BC including WHMIS (details will be provided by BCIB upon employment).
- A Class 5 driver's license with Clean Driver's Abstract.
- Bachelor's Degree or Diploma in Applied Science or engineering field with a preference for civil engineering.

### **Create a Profile with BCIB**

To apply for work opportunities with BCIB, start by creating an online profile. Once you apply and are accepted into our database, we'll contact you when an appropriate position becomes available. When you join BCIB, you're joining a community of skilled British Columbians who work on some of the most interesting projects in the province.

Go to [www.bcib.ca](http://www.bcib.ca) and click "Apply Now." If you've already created a profile, hit "Already applied?" If you have any trouble accessing your profile, please email [workforce@bcib.ca](mailto:workforce@bcib.ca) so we can help.

### **Skills Development**

BCIB works with various support organizations to bridge skill gaps among workers with different levels of experience. If there are skilled trades training opportunities which match your profile, we will contact you.