



Position Title: Senior Engineer

Position Status: Full-Time Regular

Department: Water Services

Employee Group: Exempt

Location: 4515 Central Boulevard, Burnaby

Salary Range/ Wage Rate: Professional / Technical, Level P4B (\$138,719.13 - \$163,194.52 annually)

Our Water Services Department is seeking a Senior Engineer within the Engineering & Construction Division who will be responsible for providing construction engineering support to a team of Civil/Mechanical engineers delivering various major capital and operational projects related to Metro Vancouver's regional water facilities. This role will be responsible for ensuring construction work is implemented according to project designs, technical standards, and corporate policies, procedures and objective. This role is also responsible for evaluating current construction administration processes and recommending/implementing change to increase efficiency and control.

You are a highly motivated individual with a strong desire to be part of construction projects. You are solution orientated and foresee construction issues before they occur. You understand the importance of your stakeholders and recognize communication will need to be adjusted to suite your audience. Leadership comes natural to you and you are able to influence contractors to see the owner's perspective in an effort to immediately resolve construction site issues. Where contract changes occur you are able to analyze the schedule, cost, and articulate your findings through presentations, memos, letters, and emails. You see potential to continually improve processes by creating tools and champion techniques for the works.

The Senior Engineer reports to the Division Manager, E&C Civil/Mechanical.

This role:

- Works as a technical/specialist resource and provides leadership for specialized and/or complex engineering, project management and technical work related to the delivery of Metro Vancouver's large diameter water mains and major water pumping stations.
- Responsible for budget administration, preparation and reporting. Monitors and controls spending ensuring the effective and efficient expenditure of allocated funds. Contributes to the preparation of long range financial plans and provides input to strategic initiatives.
- Provides interpretation and guidance on technical issues, corporate policies, and project management. Ensures work is undertaken in conformance with corporate standards and policies and acts as technical resource to staff

throughout the organization in area of specialty. Makes independent decisions and recommendations within broad policies and mandates. Uses judgment and ingenuity to devise practical and economical solutions to problems.

- Develops or provides input to technical standards, policies and procedures in accordance with corporate objectives. Considers all relevant information such as applicable design codes, specifications and previous experience.
- Makes decisions and/or recommendations on hiring engineering and technical consultants based on workload, costing, scheduling, expertise, and other factors. Oversees work carried out by multi-disciplinary consultants and contractors, including reviewing and providing direction on design, construction and claims. Ensures work is undertaken in conformance with corporate standards and policies, and meets the requirements of the project.
- Prepares and reviews a range of written materials including reports, recommendations, technical memoranda and technical specifications. May deliver presentations for various audiences including the public as required.
- May supervise or manage a small team of professional and/or technical staff engaged in complex technical applications. Monitors performance towards division, department and corporate objectives and ensures staff adhere to workplace conduct and purchasing policies.
- Works collaboratively with staff to resolve complex technical, design, operational, or relational issues staff encounter while doing their work. Facilitates information sharing among staff to transfer knowledge and experience and increase the efficiency and effectiveness of the team.
- Establishes effective working relationships with various outside agencies as well as other internal departments. Works collaboratively with departmental staff to deliver on strategic initiatives.
- May collaborate with senior engineers, management and/or government officials in the development of regulatory or government policy initiatives which affect Metro Vancouver.
- Upholds Metro Vancouver's reputation through positive and forthright dealings with other organizations and members of the public. Understands the organizational culture and the processes/mechanisms necessary to attain work objectives. May provide advice, recommendations and follow up to the Metro Vancouver board, committees and municipal councils.
- Performs other related duties as required.

To be successful, you have:

- Bachelor of Applied Science Degree in a Civil, Mechanical or related Engineering discipline. 8-10 years of recent related experience following professional registration; or an equivalent combination of training and experience.
- Membership or eligibility for immediate membership as a registered Professional Engineer (P.Eng.) with the Engineers and Geoscientists of British Columbia (EGBC).
- Extensive technical expertise and understanding of relevant engineering principles, particularly related to the design and construction of large diameter water mains and large water pumping stations. Ability to interpret, apply and advise others on engineering and related guidelines such as technical manuals, codes and regulations, contracting policies, safety regulations and corporate and board policies. Ability to adapt or adjust guidelines and procedures for unique or problem situations.
- Superior written and oral communication skills including sound report writing and presentation skills. Ability to communicate complex information and implications to diverse audiences. Ability to explain difficult concepts and persuade others to adopt a point of view or way of doing things.

- Strong interpersonal skills and ability to build and maintain effective working relationships. Skill in dealing openly, tactfully and sensitively in a variety of situations. Ability to effectively lead project work and multidisciplinary teams. Deals effectively with disagreements and prevents the escalation of conflict.
- Proven ability to use judgment to resolve complex problems, take initiative and work with minimal supervision; seeks solutions in congruence with the organization's objectives and values. Ability to develop and revise procedures and plans to address problems and changing circumstances. Works cooperatively to resolve differences of opinion.
- Proven contract administration and project management skills and excellent attention to detail including troubleshooting and resolving complex contractual issues (i.e. evaluating legitimacy of claims using various techniques such as schedule analysis and cost estimates). Demonstrated ability to lead a complex series of project components and deliver projects on time and on budget. Proven experience acting as a construction manager to deliver complex civil infrastructure projects, preferably including large diameter steel water mains and pump stations.
- Ability to manage a complex portfolio of work while establishing ambitious and challenging goals; demonstrates persistence in overcoming obstacles. Responds to changing priorities due to internal or external pressures resulting in revised schedules and a reallocation of resources.
- Ability to supervise, coach and guide others while enhancing individual and team effectiveness. Ability to mentor and foster the development of direct reports.
- Proficiency using Microsoft Office programs including Word, Excel, Outlook and Project.
- Valid BC Class 5 Driver's License.
- Additional education and certifications such as; PMP, PMI-RMP, PMI-SP, CEC or PQS. *These are considered an asset but are not required.

Our Vision:

Metro Vancouver embraces collaboration and innovation in providing sustainable regional services that contribute to a livable and resilient region and a healthy natural environment for current and future generations.

At Metro Vancouver, we are committed to cultivating a diverse, safe, equitable, and inclusive work environment for all. We strive to attract and retain a talented, diverse workforce that is reflective of the region we serve. Accommodations will be provided upon request during the selection process by contacting careers@metrovancover.org. Learn more about our commitments to diversity, equity, and inclusion [here](#).

Please follow this link <https://metrovancover.org/about-us/careers> to our Careers page where you can submit your application by March 26, 2024.