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[» Apply Now](#)**Title** Engineering Project Technologist - Transportation & Construction**Department** Engineering Department**Job Status** Regular Full Time**Posting Status** Accepting Applications**Employment Group** CUPE**Job ID** 18-121

Nature & Scope of Work This is technical engineering work in planning and designing municipal transportation infrastructure, and monitoring construction of such so as to ensure compliance with plans and related specifications. Under the general direction of a professional engineer, an incumbent of this class, through application of prescribed design criteria and established engineering standards, prepares design layouts, detail drawings, specifications and related data pertinent to the construction of a variety of municipal transportation projects. All design drawings require the approval of a professional engineer. Thereafter, an incumbent is responsible for monitoring, personally and through engineering inspection staff, the construction of such infrastructure ensuring compliance with plans and related specifications and schedules. In addition, the work involves estimating project construction costs, preparing specifications and contract documents, and consulting and maintaining liaison with and providing information, assistance and direction to a wide variety of internal and external contacts. Project priorities are established by a superior and within those parameters an incumbent exercises considerable independence of judgement and action in the technical aspects of the work discussing difficult technical problems, policy and budgetary matters with a superior. Work performance is reviewed by a superior in terms of technical adequacy, conformance to established standards and practices and achievement of desired objectives.

Required Knowledge, Skills and Abilities

- Considerable knowledge of municipal engineering design principles and methods, engineering mathematics, and of the applicable Engineering Department policies, practices, procedures, standards and bylaws.
- Sound knowledge of the methods, materials and equipment used in the design and construction of municipal roads, sidewalks, traffic calming, cycling infrastructure, traffic signals, roadway lighting, pedestrian crosswalks, bus stop infrastructure, utilities and of survey methods and functions.
- Working knowledge of the fundamentals of budgeting and standard costing procedures.
- Understanding of municipal utilities and external utilities with knowledge of related planning and design issues
- Working knowledge of how to accommodate City and third party utilities, liaison with owners thereof, and measures to mitigate impacts to transportation projects.
- Ability to prepare designs for all types of municipal transportation projects; to review drawings for technical accuracy and conformance with applicable municipal bylaws, standards and related specifications and to monitor construction projects ensuring satisfactory completion of same.
- Ability to establish and maintain effective working relationships with people at all levels both inside and outside the City.
- Ability to collect, analyze and/or synthesize technical, statistical, costing and related data and information.
- Ability to prepare, read and interpret plans, specifications, contract documents and related material and to provide direction, information and assistance to drafting, surveying and engineering inspection staff.
- Ability to prepare and maintain records, reports, correspondence and various other materials related to the work.

Desirable Training & Experience The candidate will have a diploma from an institute of technology in civil engineering along with sound experience in the engineering design field, preferably within the municipal sector OR an equivalent combination of training and experience. It would be considered an asset for candidates to have a working knowledge of AutoCAD, transportation modelling software (e.g. Synchro), and

experience in working with the public and contractors.

**Required Licences,
Certificates and
Registrations**

- Valid Class 5 Driver's Licence for the Province of British Columbia.
- Certification as an Applied Science Technologist within the Province of British Columbia.

Safety Requirements Incumbents are required to follow all applicable Safe Work Procedures, participate in Occupational Health & Safety training, meetings and to report any hazards in the workplace.

Hours of Work 35 hour work week

Pay Grade 27

Pay Rates \$40.48, 42.20, 43.95, 45.83, 47.82 per hour

Posting Date 8/8/2018

Posting Closing Date 8/15/2018

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