

TITLE: ENGINEERING TECHNOLOGIST

CLASSIFICATION: STO 21

JOB OVERVIEW

The Engineering Technician is focused on implementing engineering projects, which includes contract management, bridge and major structure, survey, resource roads, and road design to support the achievement of project and program objectives. The position provides engineering expertise and advice to operational staff and works closely with the Engineering Specialist and/or the Woodlands Supervisor to ensure environmental, construction and legislative requirements are met.

ACCOUNTABILITIES

- Prepares contract, project and/or proposal documents incorporating technical standards in speciality areas and provides recommendations and support to the project and/or program area including cost estimates.
- Provides technical input and advice to engineers and project managers regarding project details, ministry standards and other requirements. Conducts analysis and interpretation of specialized projects using engineering principles to draw conclusions, make recommendations, and prepare reports.
- Coordinate operational activities on resource roads to ensure contract, legislative and policy requirements are being met and make recommendations based on those inspections.
- Provides advice, guidance and leadership to all staff on complex and/or specialized aspects of engineering assignments.
- Uses advanced software, database tools and electronic/technical measuring, sampling and/or recording equipment to produce engineering products and ensure that road data systems are kept up to date.
- Completes feasibility and route studies including setting the design criteria, and interprets technical and professional information related to engineering projects and provides options, recommendations and implements the work.
- Provides input into the annual budget planning process/service plan development.
- Responds to inquiries related to resource road issues, including emergency response to public safety and environmental liabilities.
- Reviews and recommend approvals for engineering cost estimates for appraisals.
- Communicates with resource users when planning and carrying out operations.
- Ensures that all work meets any prescribed certification systems requirement.

JOB REQUIREMENTS

- Diploma in forest engineering, forest management, engineering or equivalent related field, plus two years of recent work experience in a directly related field within the last five years.
- Or
- An equivalent combination of education and experience such as three years of experience, attained within the last five years, in two or more in the following areas: road and block layout, forestry contract administration, forest engineering and engineering.
 - Applicants must be registered or eligible for registration with the Association of British Columbia Forest Professionals as a Registered Forest Technologist.

- Must possess at minimum a valid Class 5 B.C. Driver's License that does not limit or restrict the ability to conduct the duties of the job.
- Successful completion of security screening requirements of the BC Public Service, which may include a criminal records check, and/or Criminal Records Review Act (CRRA) check, and/or enhanced security screening checks as required by the ministry (**Note: It is important that you read the job posting carefully to understand the specific security screening requirements pertaining to the position**).

PROVISOS

- Must be willing and able to withstand the rigors of fieldwork.
- Must be willing to work in adverse weather conditions.
- Must be willing and able to travel to meet job requirements.
- Must be willing and able to travel in fixed and or rotary winged aircraft and or watercraft.

PREFERENCE STATEMENTS

- Coursework in contract or financial administration.
- Experience in reviewing data, analyzing and diagnosing engineering issues and developing recommendations to resolve the issues.

KNOWLEDGE, SKILLS AND ABILITIES

- Knowledge of road and bridge engineering and forestry operations.
- Basic knowledge of the structures and mandates of the Ministry of Forests, Lands and Natural Resource Operations and BC Timber Sales.
- Basic knowledge of cost and benefit analyses and of financial management and control.
- Basic knowledge of contract administration and project management.
- Knowledge of safety procedures and practices as they relate to forestry activities.
- Ability to communicate clearly and effectively both verbally and in writing.
- Ability to apply policies, procedures and legislation.
- Ability to observe, assess, report and maintain accurate records.
- Ability to use computer applications (such as spreadsheets, databases, electronic mail, and word processing) to enter and retrieve data and create and edit a variety of effective correspondence and reports.

BEHAVIOURAL COMPETENCIES

- Business Acumen is the ability to understand the business implications of decisions and the ability to strive to improve organizational performance. It requires an awareness of business issues, processes and outcomes as they impact the client's and the organization's business needs. (L2)
- Improving Operations is the ability and motivation to apply one's knowledge and past experience for improving upon current modes of operation within the Ministry. This behaviour ranges from adapting widely used approaches to developing entirely new value-added solutions. (L2)
- Planning, Organizing and Co-ordinating involves proactively planning, establishing priorities and allocating resources. It is expressed by developing and implementing increasingly complex plans. It also involves monitoring and adjusting work to accomplish goals and deliver to the organization's mandate. (L3)

- Results Orientation is a concern for surpassing a standard of excellence. The standard may be one's own past performance (striving for improvement); an objective measure (achievement orientation); challenging goals that one has set; or even improving or surpassing what has already been done (continuous improvement). Thus, a unique accomplishment also indicates a Results Orientation. (L2)
- Teamwork and Co-operation is the ability to work co-operatively within diverse teams, work group and across the organization to achieve group and organizational goals. It includes the desire and ability to understand and respond effectively to other people from diverse backgrounds with diverse views. (L3)