

Engineering Technologist V

Job Description

Reports to:	Various
Division:	Various
Business Centre:	Various
Date Updated:	2026

Job Scope: The Engineering Technologist is responsible for providing technical expertise and support to Engineering, Water, and other business centres in the planning, design, operation, rehabilitation, and lifecycle management of municipal infrastructure. The role requires a broad understanding of engineering principles, municipal infrastructure systems, asset management practices, regulatory requirements, and the interrelated impacts of infrastructure decisions across the organization. The position supports the delivery of safe, reliable, sustainable, and cost-effective municipal services through technical analysis, project coordination, collaboration, and continuous improvement initiatives.

Key responsibilities of the job are as follow:

- **General responsibilities:**
 - Assist with ensuring all engineering and utility related work is compliant with relevant provincial and municipal statutory requirements, approvals, standards, specifications and accepted engineering practices;
 - Coordinate and support the planning, design, construction, operation, rehabilitation, and lifecycle management of municipal infrastructure to ensure systems are safe, reliable, efficient, sustainable, cost-effective, and aligned with engineering standards, regulatory requirements, and long-term service objectives;
 - Review infrastructure related to new development and subdivision applications in accordance with policies, specifications, provincial regulations and accepted engineering standards;
 - Provide technical advice, guidance and support to all business centres in their management of capital projects, including Transportation and Utilities. Conduct site inspections and liaise with appropriate internal and external parties;
 - Participate in assigned projects and initiatives, including technical review, documentation, coordination, implementation support, and follow-up;
 - Research legislative, regulatory, technical, operational, and industry developments and support recommendations related to best practices, infrastructure performance, asset management strategies, service delivery improvements, procedures, and policies;
 - Maintain and support the integrity of engineering, operational, asset management, and infrastructure information systems to support regulatory compliance, operational decision-making, lifecycle planning, and effective service delivery.

- **Business Centre/Team Focused responsibilities:**
- **Engineering:** Support the planning, review, coordination, and delivery of municipal infrastructure by providing technical engineering advice and oversight related to transportation, utility, and development-related infrastructure. Work collaboratively with internal business centres, consultants, developers, contractors, and regulatory agencies to ensure infrastructure is designed, constructed, rehabilitated, inspected, and accepted in accordance with Town specifications, engineering standards, regulatory requirements, and long-term service needs. Support capital and operational projects, development review, infrastructure acceptance, contract administration, lifecycle planning, and continuous improvement initiatives that strengthen municipal infrastructure and service delivery.
- **Water:** Support the planning, operation, maintenance, rehabilitation, and lifecycle management of municipal water, wastewater, stormwater, and metering infrastructure. Provide technical advice, operational analysis, infrastructure review, and coordination support to help ensure utility systems are reliable, compliant, sustainable, and aligned with Town standards and service needs. Provides direct operational support to Water and Wastewater Operations through involvement in day-to-day system activities, including process monitoring, troubleshooting, maintenance coordination, shutdown planning, compliance related activities and emergency response support. This operational involvement is intended to provide practical experience relevant to water and wastewater operator certification requirements. Work with internal and external partners to support asset management, infrastructure reliability, regulatory compliance, operational effectiveness, emergency response readiness, infrastructure renewal, and long-term capital and operating plans.
- **Other responsibilities:**
 - Participate in projects as assigned;
 - Research legislative or professional changes to traditional practices;
 - Review best practices and make recommendations on issues and policies;
 - Coordinate maintenance of Engineering information and record-keeping systems.

Qualifications and required skills:

- **Education:** Equivalent to completion of a Diploma Training Program at a College or Technical School. It requires an ability to understand, utilize and communicate specialist information in speech and written text. This specialized training is often formalized and recognized by Civil Engineering Technology Diploma from an accredited school.
- **Certification:** Certified Engineering Technologist C.E.T through Association of Science & Engineering Technology Professionals of Alberta (ASET) required.
- **Experience:** 3 or more years relevant professional C.E.T experience representing continuous learning required.
- **Skills:**
 - Strong ability to interpret engineering drawings, apply design principles, and use industry-standard software and tools for analysis, modeling, and documentation.
 - Solid understanding of provincial and municipal codes, safety regulations, and engineering standards relevant to their field of practice.
 - Skilled in managing tasks, timelines, and resources while effectively communicating with team members, clients, contractors, consultants, and other business partners.

- Communicates technical information clearly and professionally to a variety of audiences.
- Investigating operational issues and developing practical solutions through effective problem solving and analytical thinking.
- Demonstrated ability to collaborate with internal and external partners to support infrastructure planning, project delivery, operational effectiveness, and asset management objectives.
- Proficient with Microsoft Office Suite and position relevant software.