

Materials Technician II

DEFINITION

This is supervisory and technical work in testing a variety of materials used in municipal construction and maintenance programs.

Work of this class involves the responsibility for planning, assigning and review the work of a small group of technicians and helpers engaged in laboratory, field and special project testing. Tests are primarily physical in nature but some may involve limited chemical analyses.

Assignments are usually received orally from a superior who evaluates work results through the review of tests reports. The employee works with considerable independence in accordance with standard testing procedures and departmental regulations.

The work of this class is distinguished from the Material Technician I by the greater scope and impact of the work performed and the degree of supervision exercised and received.

TYPICAL DUTIES*

Supervises and trains technicians in the methods and procedures of testing materials and in the related charting and reporting activities.

Assigns, supervises and participates in the work of subordinate technicians performing tests on concrete, asphalt, soil, paint, metals and other materials; direct special testing projects.

Assists the Materials Engineer with organizing testing programs; advises other engineering staff of laboratory schedules and the availability of staff; orders laboratory supplies and arranges for repairs to laboratory equipment.

Performs related work as required.

KNOWLEDGE, ABILITIES AND SKILLS

Considerable knowledge of the principles, procedures and practices of construction materials testing.

Considerable knowledge of the instruments and apparatus used in destructive and non-destructive materials testing.

Knowledge of road construction engineering principles and procedures.

Ability to plan, assign and supervise the work of subordinates.

Ability to understand and execute oral and written instructions.

Ability to secure the applicable vehicle operator's license.

Skill in the use and care of laboratory and field testing equipment.

TRAINING AND EXPERIENCE REQUIREMENTS**Job Level**

Completion of the twelfth (12th) school grade, supplemented by completion of a two (2) year course in Materials Technology from a technical institute and considerable experience in materials testing work. Applicant(s) must possess a valid Alberta driver's license.

** This is a class specification and not an individualized job description. A class specification represents and defines the general character, scope of duties and responsibilities of all positions within a specific job classification. It is not intended to describe nor does it necessarily list the essential job functions for a specific position in a classification. Positions may perform some of the duties listed above but this does not necessarily qualify for placement into this classification.*

Salary Plan	<u>21M</u>	<u>21A</u>	<u>21B</u>	<u>21C</u>
Job Code	0725		0726	
Last Updated:	1981-08			
Previous Updates:				
Originated:	1966-06			