

## Tunnel Labourer II

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### **DEFINITION**

This is skilled manual work and leadhand supervisory work involving the construction of tunnels for underground sewer systems.

Employees of this class perform manual labour, which entails some complexity and variety. Skills used in this particular field involve competency in the utilization of hand and power tools alike.

Work is performed on assigned shifts and is sometimes hazardous in nature. Employees receive oral instructions and work under the direction of a foreman.

### **TYPICAL DUTIES** \*

Provide leadhand supervision to a number of labourers involved in the maintenance and construction of underground tunnel and sewer systems.

Operate a small loader in the tunnel and at the tunnel face.

Extend tracks, air pipes and service lines in tunnels.

Operate and service a diesel or an electric locomotive hauling materials and wastes back and forth between the tunnel shaft.

Operate a jackhammer at the tunnel face and inside the tunnel.

Constantly checks the tunnel grade and ensures the crew is following the proper alignment.

Shovel dirt into mine cars.

Install steel ribs, timbers and steel plate lines in tunnels and shafts.

Install air pipes when necessary.

Set up the forms to have the concrete lining poured.

Install concrete shooting pipes to pour cement.

Operate and maintain water pumps, form carriers, air winches, compressors and generators.

Perform related duties as required.

### **KNOWLEDGE, ABILITIES AND SKILLS**

Ability to understand and execute oral instructions.

Ability to supervise and assign work to subordinates.

Ability to perform heavy manual labour tasks for long periods of time in confined underground conditions.

Ability to learn to operate tools, equipment and materials involved in the work.

Sufficient physical strength to perform the work of the class.

**TRAINING AND EXPERIENCE REQUIREMENTS**

Job Level

Completion of the twelfth school grade or equivalent and three (3) years of experience in tunnel labour work. Possession of a valid Class 5 Alberta Motor Vehicle Operator’s License.

**Drainage Services:**

The City of Edmonton is required to meet Alberta Environment Wastewater Collection Certification requirements for Drainage Services positions under this classification. All employees are required to obtain Level I Wastewater Collection Certification under the Alberta Environment Certificate program within 2 years of appointment to a permanent position within this class. Once the required level of certification is attained, the employee will transfer to the certified job code for this class, with the commensurate rate of pay.

The Drainage Branch reserves the right to waive the certification requirement for:

- an individual employee after 2 unsuccessful attempts at attaining the certification in a 2 year time frame or for
- a posted Design & Construction Section vacancy, where specific circumstances warrant,

provided that such waiver does not jeopardize the branch's ability to meet Alberta Environment certification requirements. The following classifications in the Drainage Operations Section will continue to require certification and incumbents will not be eligible for waiver of the certification requirement under any circumstances - these classifications are: Drainage Supervisor, Drainage Trainer, Training & Safety Instructor, Drainage Leader II, Maintenance Repairman II, and Pumpwell Millwright II.

\* *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.*

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Salary Plan	<u>10M</u>	<u>10A</u>	<u>10B</u>	<u>10C</u>
Drainage Uncertified Grade	0199 014			
Drainage Certified Grade	2185 123			
Last Updated:	2010-05			
Previous Updates:	1991-10, 2000-04			
Originated:	1979-06			