

## Tunnel Labourer I

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### **DEFINITION**

This is semi-skilled work involving the construction of tunnels for underground sewers.

Employees of this class perform manual work involving the use of various hand and power tools in tunnel construction. Work is performed on assigned shifts and under abnormal conditions, sometimes involving hazardous situations. Employees receive oral instructions and work under the direct supervision of a foreman.

### **TYPICAL DUTIES** \*

Operate jackhammers in the tunnel and at the tunnel face.

Shovel dirt and debris into mine cars and dumps mine cars.

Cut and pile timbers, install steel ribs, steel plate liners and timbers in tunnels and shafts.

Assist in checking the tunnel grade and alignment as the digging progresses.

Pour, spread and level concrete.

Operate small loader at close proximity to the tunnel face.

Lay mine car track ties as the tunnel progresses.

Operate electric or diesel locomotives for hauling dirt and materials.

Shovel concrete into a pumping machine and pumps it into prepared forms for concrete tunnel linings.

Operate and lubricate water pumps.

Install air pipe when necessary.

Place and remove walking planks as required.

Tie rebar.

Perform related duties as required.

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

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

Ability to understand and execute oral instructions.

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

Physical strength and agility to perform the work of the class.

**TRAINING AND EXPERIENCE REQUIREMENTS**

Job Level

Completion of the twelfth school grade and 1 year experience in tunnel labour work or an equivalent combination of training and experience. 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	0198 007			
Drainage Certified Grade	2185 122			
Last Updated:	05/2010			
Previous Updates:	1991-10			
Originated:	1979-06			