

## Video Inspection Operator

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### **DEFINITION**

This work involves the deployment and operation of specialized closed-circuit video equipment on mobile platforms to conduct inspections of smaller diameter and otherwise inaccessible drainage conduits, including sanitary combined and storm sewers in place throughout the city. Inspections and diagnosis procedures are performed as required by preventative maintenance programs or in response to failures or performance problems due to structural deterioration of the lines, blockages by roots or debris, or misalignment. During the course of inspection procedures, the operator will assess the optimum method of conducting the inspection, direct appropriate pre-inspection flushing and stringing of lead lines, set up and adjust equipment prior to entry into the pipes, monitor and control the progress of the televising unit while in operation and prepare the necessary inspectional reports. During the course of setting up equipment, conducting inspection and removing equipment, the incumbent supervises other subordinate members of the crew assigned to assist. This position is also responsible for the maintenance of inspection equipment to ensure optimum performance.

### **TYPICAL DUTIES** \*

Respond to incoming requests for line inspections or in conjunction with preventative maintenance schedules and determines the optimum method of conducting an inspection based upon field conditions.

Direct and supervise the activities of Labourers, Equipment Operators, etc., assigned to assist with the inspection operation, including necessary preparation procedures.

Deploy televising equipment and conduct the inspection by directing the movement of the unit through the conduit and adjusting the camera to diagnose problems. Take appropriate video recordings and photographs.

Maintain televising equipment in good operating condition by adjusting, cleaning, lubricating and performing minor repairs. Ensure that equipment is stored in a safe and proper manner. Maintain a supply of replacement parts and supplies required to conduct inspections.

Enforce established health and safety standards and procedures which are applicable to the work situation.

Complete all required inspection reports. Complete other administrative documents, including time sheets, disciplinary reports, etc., as required.

Perform related duties as required.

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

Knowledge of the standard methods, materials, tools, equipment and procedures utilized to conduct video inspections of smaller diameter conduits.

Knowledge of the occupational hazards and safety precautions which are applicable to the work.

Knowledge of closed circuit televising, video, photographic and related equipment.

Ability to plan, schedule and assign the work of subordinates, including training and demonstrating applicable methods and procedures and to initiate appropriate disciplinary actions when required.

Ability to complete applicable reports, records and related administrative tasks.

Ability to communicate effectively with members of the public, staff and subordinates and others who are involved in the pre and post inspection processes.

Ability to withstand strenuous physical activity inherent in the work performed, as well as to function effectively outside under a variety of weather conditions.

**TRAINING AND EXPERIENCE REQUIREMENTS**

Job Level

Completion of the twelfth grade or an equivalent combination of training and experience; a minimum of three years of progressive drainage maintenance and/or construction experience, including some televising equipment experience. Completion of Part I of Foremanship Training; possession of a valid Class 5 Alberta Motor Vehicle Operator’s license and eligibility to obtain a City driver’s permit.

**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	0169 048			
Drainage Certified Grade	2183 120			
Last Updated:	2010-05			
Previous Updates:	1995-03, 2000-09			
Originated:	1994-08			