

CCTV INSPECTION TECHNICIAN

CLASS DESCRIPTION

General Responsibilities:

This is responsible skilled work and technical work in leading multiple crews in the internal inspection and/or trenchless repair of sanitary sewer, storm sewer and drainage and closed landfill facilities. An employee in this class performs skilled project coordination work and leads a team consisting of Street & Sewer Maintenance Worker 3's and lower level machine operators and maintenance workers. Under the general supervision of an Engineer or Public Works General Foreperson, an employee in this class is expected to function independently and exercise considerable judgment and discretion in completing assigned work. Specific work assignments may vary based on the needs of the Division.

This position is not part of an automatic progression series. Rather, placement as a Street and Sewer Maintenance Worker 3 is based on a competitive process and the needs of individual divisions.

Examples of Duties and Responsibilities:

Review CCTV inspection and trenchless work orders. Identify resources that are required. Identify and review potential challenges with supervisor and team. Communicate assignments to team members. Coordinate and direct activities of assigned crew members to accomplish work in a safe and efficient manner.

Identify and implement necessary plugging, by-pass pumping and/or dewatering measures. Coordinate and oversee pre-inspection cleaning. Use CCTV survey software to record sewer id, material, diameter, length and other required survey information. Perform operational and structural condition assessments using standardized PACP defect codes and severity ratings.

Oversee insertion of camera and light head into sewer line via access structure. Calibrate camera and position to provide accurate measurement and view of entire pipe circumference. Navigate camera through pipeline to provide a digital inspection. Adjust lighting, travel speed, etc. to ensure capture of high quality image. Stop camera at joints, defects, changes in material, connection, etc. and provide 360 degree view.

Recommend options for repair (i.e. open cut, trenchless, etc). Coordinate and oversee pre-repair inspection and/or cleaning. Perform CCTV inspection of repair.

Clean, maintain, and inspect storm and sanitary sewer systems. Clean and remove obstructions from lines. Provide regular checks and cleaning of known problem areas and carry out special programs.

Operate specialized cleaning, maintenance and inspection vehicles and equipment, which may require a CDL. This includes mechanical rodders, high-velocity hydraulic/ vacuum machines, and closed circuit pipeline inspection equipment.

Respond to emergencies such as system backups, overflow, and odor complaints. Identify problem and take appropriate corrective action. Report illegal discharges.

Perform system inspections. Observe surface conditions along sewer pipe alignments. Inspect manholes from the ground level or from within. Perform confined space entries per established City procedures. Perform flow measurements, dye tests, and smoke testing. Use closed-circuit television to perform inspections as required.

Maintain vehicles and equipment. Inspect vehicles and equipment to ensure working condition. Perform CDL inspections as required. Perform regular cleaning and maintenance as required.

Maintain appropriate safety standards. Ensure proper use of safety equipment at all times. Maintain adequate traffic control at jobsites.

Prepare and maintain records. Record daily work and inspection observations. Maintain CDL inspection records as required. Prepare and submit vehicle problem reports.

Perform related work as required.

QUALIFICATIONS

Knowledge, Skills and Abilities:

Thorough knowledge of the methods, practices, equipment, tools, and materials used in the cleaning, maintenance, and inspection of municipal sanitary and storm sewer systems. Working knowledge of related safety principles and practices. Working knowledge of and ability to use computer software applicable to the duties of the position. Skill in assessing and responding to storm and wastewater collection system problems. Ability to apply general mechanical aptitude and perform skilled mechanical tasks. Ability to operate related tools and equipment. Ability to oversee work of assigned employee(s). Ability to prepare and maintain routine work related records. Ability to understand and follow oral and written work orders and instructions. Ability to maintain good working relationships with public and co-workers. Ability to perform manual tasks involving physical strength, confined entry and endurance and to withstand exposure to variable weather conditions. Ability to operate a motor vehicle, including commercial motor vehicles as assigned. Ability to maintain adequate attendance.

Training and Experience:

Generally, positions in this classification will require:

Three (3) years of directly related experience in performing skilled or semi-skilled work in the installation and maintenance of municipal sanitary and storm sewer systems. Other combinations of training and/or experience which can be demonstrated to result in the possession of the knowledge, skills and abilities necessary to perform the duties of this position will also be considered.

Specific training and experience requirements will be established at the time of recruitment.

Necessary Special Qualifications:

Possession of a valid Class B Wisconsin Commercial Driver's License. The successful candidate must have passed the written portion of the relevant Department of Transportation testing process before starting employment. A condition of continued employment is passage of the skills portion of the test and obtaining the required operator's license within a specified timeframe. Specific endorsement requirements will be determined on a position by position basis.

Employees will be expected to become certified in First Aid/CPR prior to the end of the probation/trial period. Failure to obtain the certification within the required time period may result in forfeiture of the position, absent extenuating circumstances.

Employees operating the CCTV cameras must have completed the training, (PACP training) to operate the specialized cameras prior to the end of the probation/trial period.

Physical Requirements:

Employees in this position must be able to lift/carry objects weighing up to 50 pounds frequently and must be capable of lifting 100 pounds maximum weight. In addition, they must be able to frequently bend, twist, squat, climb and reach for extended periods of time.

Employees in this position will be expected to perform work in confined spaces, underground, in limited light conditions.

Department/Division	Comp. Group	Range
Engineering	15	08

Approved: _____
Brad Wirtz
Human Resources Director

Date