POSITION: SIGNAL TECH – (2 Openings) Annual Salary: $57,197.14; Bi-weekly: $2,199.89 - Engineering/Signal Maintenance J.O. #12-012

ESSENTIAL JOB FUNCTIONS: Works under the general supervision of an assigned supervisor in the Engineering Division to install, repair, maintain, and operate electronic and electrical traffic signal control equipment and devices: Troubleshoots, diagnoses and corrects signal system problems; sets control switches on computer and peripheral equipment to integrate and operate equipment; tests circuits and electric components to locate grounded wires, broken connections, or defective current control mechanisms, using electrical testing instruments; replaces defective parts using electrical tools; works from bucket and aerial platform trucks; operates essential equipment, machinery, and vehicles to construct signalized intersections; and prepares reports of daily work activities.

OTHER FUNCTIONS: 1. Performs additional functions (essential or otherwise) which may be assigned from time to time.

TYPICAL PHYSICAL DEMANDS: Must be able to lift and carry objects in excess of 70 lbs. Requires climbing, including 12 ft. ladders, onto the back of trucks, and atop stacked poles. Requires balancing, bending, kneeling, reaching, pushing, and pulling. Requires the ability to use basic hand tools and to grasp wires. Must be able to program controls and change components. Requires feeling of electrical circuits and wires for overheating. Involves standing for extended periods of time and walking sometimes over uneven surfaces. Must be able to communicate problems and conditions to co-workers, including during high volumes of traffic noise. Must operate a two-way radio to communicate with co-workers and supervisor.

TYPICAL WORKING CONDITIONS: Majority of work is performed outdoors. Some shop work is required. Must work in inclement weather. Must work from bucket and aerial platform trucks. Exposed to noise and traffic. May be exposed to engine fumes and electrical shock. Requires the use and wear of protective gear. May be subject to shift work, standby and call out duty.

MINIMUM QUALIFICATIONS: Associate's degree in Electronic Engineering or equivalent work related experience; or any combination of experience and training which enables one to perform the essential job
functions. Certification from the Institute for the Certification of Engineering Technicians preferred. Must either possess a valid Class "B" Tennessee Commercial Driver's license, or obtain such license before the end of six (6) months employment as a condition of continued employment. Must comply with Federal Department of Transportation (DOT) Alcohol and Drug testing rules. **(PROOF OF EDUCATION REQUIRED)**