

Clayton County	
Title: Signal Technician I Class Code: TD265	

Purpose of Classification

Performs basic semi-skilled and technical work in the construction, installation, maintenance, repair, and operation of traffic signal systems and related components. Work requires the familiarity with engineering specifications, construction standards, and department procedures as they relate to assigned duties. At times, must be able to work independently in applying these rules and procedures to a variety of work situations, problems, and specialized tasks. Work is performed under the direction of a lead Signal Technician or supervising engineer who closely monitors and inspects work while in progress and upon completion.

Essential Functions

The following duties are normal for this position. The omission of specific statements of the duties does not exclude them from the classification if the work is similar, related, or a logical assignment for this classification. Other duties may be required and assigned.

Assists with the installation, maintenance, and operation of traffic signals and related components including: traffic signals, battery back-up systems, variable message signs, computerized traffic control systems, school zone flasher assemblies, warning flashers, traffic signal controllers, vehicle detection systems, time clocks, surveillance cameras, fiber optic cable, radio communication system components, Ethernet network communication equipment, emergency vehicle detectors, pedestrian signals, and related other related devices.

Assists with the erection of concrete, steel, and timber signal poles; hangs signal heads; runs electrical wires and cable aerially and underground; installs conduit; cuts concrete for loop detection systems.

Assists with performing basic level programming, diagnostic troubleshooting, and repairs to solid state, electronic, electrical, digital, and microprocessor-based components.

Assists Transportation Control Center (TCC) personnel with troubleshooting basic signal operation parameters and network communication devices.

Regularly works from a bucket truck suspended over traffic.

Ensures tasks performed are in accordance to Manual on Uniform Traffic Control Devices (MUTCD) requirements.

Reads and interprets project plans.



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Additional Functions

Flags and directs traffic and places temporary traffic control devices around project/work site to ensure safety of crew and the traveling public.

Maintains and cleans equipment and vehicles.

Performs manual labor as required.

Participates in the Department's Emergency Response/Call-Back Program as required.

Participates as needed in repair efforts related to inclement weather conditions, natural disasters, and other emergency situations.

Performs other related duties as required.

Minimum Qualifications

High school diploma or GED; completion of a certificate program at a Technical college in a related field; supplemented by two (2) years' experience using hand tools, general construction, and traffic signal construction and maintenance; **OR** High school diploma or GED; supplemented by six (6) years' experience using hand tools, general construction, and traffic signal construction and maintenance; or any equivalent combination of education, training, and experience. Must possess and maintain a valid Georgia driver's license. Preferred candidate would hold certification as a Flagman and International Municipal Signal Association (IMSA) Level 1 Signal Technician.

ADA Compliance

Physical Ability: Tasks require the ability to exert moderate, though not constant physical effort, typically involving some combination of climbing and balancing, stooping, kneeling, crouching, crawling, and that generally involves lifting, carrying, pushing and/or pulling of moderately heavy objects and materials (20-50 pounds).

Sensory Requirements: Some tasks require the ability to perceive and discriminate colors or shades of colors, depth, texture, and visual cues or signals. Some tasks require the ability to communicate orally.

Environmental Factors: Performance of essential functions may require exposure to adverse environmental conditions, such as dirt, dust, pollen, humidity, rain, temperatures, noise extremes, wetness, machinery, and vibrations or traffic hazards.

