

**MONTGOMERY COUNTY GOVERNMENT
ROCKVILLE, MARYLAND
CLASS SPECIFICATION**

**Code No. 004112
Grade 15**

TRAFFIC MANAGEMENT TECHNICIAN I

DEFINITION OF CLASS:

This is beginning level traffic management work of a paraprofessional nature. Contacts are with coworkers and personnel in other County offices in order to exchange information and explain routine procedures or requirements. This class of work may entail some public service/assistance, but it is incidental to the primary focus of the work performed.

Employees in this class work rotating shifts and weekends, and are responsible for learning the methods and procedures involved in the daily operation of an automated traffic management system including operating a central traffic signal computer, identifying traffic problems and/or malfunctions with the system, recommending resolutions to problems resulting from traffic incidents, and conducting traffic engineering studies and analyses. Specific training and instructions are provided with assignments, and work is reviewed in progress and upon completion to ensure technical accuracy and compliance with instructions and established procedures. Specific guidelines include accepted traffic engineering and traffic management principles and practices, established industry standards, and State and County codes. The employee uses judgment to select and apply these guidelines, and refers all deviations or unusual situations to the supervisor. Performance of the work requires specialized knowledge of computers and their application to traffic signals, the impact of traffic signal timings and phasings upon traffic management, and the design and operation of traffic signal systems. The complexity of work in this class is characterized by assignments involving related steps or procedures, e. g., collecting traffic data, analyzing the data and preparing reports and recommendations. Efforts of employees in this class involve responding to a variety of conventional problems or situations in conformance with established criteria and affect the overall operation of traffic on County roadways. Employees in this class perform field investigations or surveillance, which entails working in an environment that involves moderate discomforts and risks such as exposure to operating equipment at construction sites, moving traffic on the highway and driving in traffic. A reflective vest is worn when working in close proximity to moving traffic. Employees are required to operate a motor vehicle.

EXAMPLES OF DUTIES: (Illustrative Only)

- Collects data through traffic surveys and field investigations, conducts analyses, and prepares reports and recommendations on traffic control, capacity, vehicular speed, accidents, and pedestrian counts.
- Operates and adjusts the County's computer-controlled traffic signal system under the guidance of higher level technicians.
- Prepares work orders to install, modify, or repair traffic signal equipment by County or contractor staff, and follows up by conducting field checks.
- Performs related duties as required.

KNOWLEDGE, SKILLS AND ABILITIES:

- Knowledge of the principles and practices of traffic engineering and traffic management at the

paraprofessional level.

- Knowledge of basic mathematics which includes algebra and geometry.
- Knowledge of County, State, and Federal laws, codes, and regulations relating to traffic engineering and safety, or the ability to readily acquire such knowledge.
- Knowledge of or the ability to acquire knowledge of the methods and procedures of operating a central traffic signal computer system.
- Ability to perform field investigations and surveillance in environments that present moderate discomforts and risks.
- Ability to read and interpret traffic engineering plans and specifications and to convey their meaning to others.
- Ability to communicate instructions and decisions clearly in English over a two-way radio.
- Ability to work with coworkers and other County employees to obtain, to clarify, and to provide information.

MINIMUM QUALIFICATIONS:

Experience: One (1) year of experience in traffic engineering or traffic management that has required the application of the principles of traffic engineering and mathematics to the solution of traffic management problems involving traffic control, capacity, vehicular speed, and related matters.

Education: Completion of high school or High School Certificate of completion recognized in the State of Maryland.

Equivalency: An equivalent combination of education and experience may be substituted (both in engineering and in computer applications).

License: Possession and maintenance at all times of a valid Class "C" (or equivalent) driver's license from the applicant's state of residence.

PROBATIONARY PERIOD:

Individuals appointed or promoted to this class will be required to serve a probationary period of six (6) months, during which time performance will be carefully evaluated. Continuation in this class will be contingent upon successful completion of the probationary period.

MEDICAL EXAM PROTOCOL: Core Exam II.

Class Established: July, 1990

Revised: April, 2010

August, 2013

July, 2016

November, 2016