

TRAFFIC ENGINEER I

Department: Public Works
Classification: Competitive
Specification Number: 3300
Approved: 1/12/23
Revised: By JG

MINIMUM QUALIFICATIONS

OPEN COMPETITIVE

Either:

- a) Bachelor's degree in Civil Engineering or Electrical Engineering from an accredited college or university and two (2) years of satisfactory full-time experience in the field of traffic engineering; or,
- b) Graduation from high school and six (6) years of satisfactory full-time experience in civil or electrical engineering or traffic analysis, control, or survey work.

DISTINGUISHING FEATURES OF THE CLASS

An employee in this title applies professional engineering knowledge and skills to assist the Town traffic engineering program, which includes design, construction, and maintenance. Work is under general supervision of a Traffic Engineer II and is reviewed upon completion for conformance to departmental rules and regulations. Assignments are usually broad in scope with opportunity for the use of independent professional judgment.

TYPICAL WORK ACTIVITIES

- Conducts comprehensive engineering studies in an assigned phase of roadway planning or traffic control;
- Conducts origin and destination studies, parking surveys, and speed and delay studies;
- Studies specified vehicular and pedestrian traffic conditions;
- Analyzes data and prepares charts, maps, and graphs depicting the results;
- Reviews reports and makes recommendations for various types of traffic control devices;
- Initiates investigations in response to requests for traffic controls;
- Prepares plans and specifications for signs, signals, and pavement markings.

KNOWLEDGE, SKILLS, ABILITIES and PERSONAL CHARACTERISTICS

Good knowledge of traffic engineering, including the areas of traffic control and roadway planning and safety; Good knowledge of the techniques and procedures involved in analysis of traffic and parking problems; Good knowledge of the methods of investigating and analyzing roadway traffic conditions; Good knowledge of roadway safety control measures; Good knowledge of roadway design and construction as related to traffic control; Good knowledge of sign and signal design, installation, and maintenance; Ability to express ideas clearly and concisely, both orally and in writing; Ability to establish and maintain effective working relationships with associates, municipal officials, and the general public.