

TRAFFIC ENGINEER 2

CLASS DESCRIPTION

General Responsibilities:

This is journey-level, professional traffic engineering work involving responsibility for planning, operations and/or project development activities. The work may involve assisting higher level traffic engineers in the development of large-scale projects and/or being independently responsible for the performance of certain phases of the smaller projects. The work involves the exercise of technical and professional judgment in the solution of broader traffic/transportation problems, and is performed under the general leadership of higher level professional staff.

Examples of Duties and Responsibilities:

Assist in the development and implementation of transportation and traffic plans. Design traffic control improvements.

Make field studies of problem locations and/or request that studies be conducted. Analyze traffic data and make improvement recommendations regarding traffic signs, signals, street lighting, and pavement marking.

Develop facility design details and specifications. Review and develop traffic plans for special events (e.g., street use permits, parades, etc.). Supervise traffic detour planning.

Prepare technical reports, make public presentations and answer public inquiries relative to traffic engineering projects.

Perform related work as required.

QUALIFICATIONS

Knowledges, Skills and Abilities:

Knowledge of traffic and civil engineering principles and practices as they apply to the design, construction, and operation of transportation and traffic control facilities. Working knowledge of the operation of traffic signal controllers and traffic signal networks. Knowledge of statistics and math necessary to analyze traffic data. Working knowledge of computer assisted design processes and techniques. Ability to compile, consolidate, and analyze data and to make broad-based recommendations using that data. Ability to independently develop traffic engineering design projects. Ability to prepare and/or review construction plans and specifications. Ability to coordinate and review the work of lower level staff. Ability to prepare technical reports and speak at public meetings. Ability to maintain adequate attendance.

Training and Experience:

Three years of professional traffic engineering work, including at least one year equivalent to the Traffic Engineer 1 level in the City of Madison Traffic Engineering Division. Such experience would normally be gained after graduation from an accredited college or university with a specialization in traffic, civil, transportation engineering, or a closely related field. Other combinations of training and/or experience which can be demonstrated to result in the possession of the knowledges, skills and abilities necessary to perform the duties of this position will also be considered.

Necessary Special Qualifications:

Certification as an Engineer-in-Training. Ability to meet the transportation requirements of the position.

Department/Division	Comp. Group	Range
Transportation/Traffic Engineering	18	12