

CLASS TITLE: **Chief Engineer**

CHARACTERISTICS OF THE CLASS: Under general direction, performs highly responsible and advanced professional engineering duties as a manager of a bureau in the Department of Transportation; and performs related duties as required.

ESSENTIAL DUTIES: Manages and directs the activities of an engineering bureau responsible for the planning, design and/or construction monitoring of transportation projects; directs the work of consulting engineers, government agencies and contractors responsible for the design and construction of highways, streets, alleys, bridges and mass transit systems; directs the planning, design and installation of traffic control devices such as traffic signals and pavement markings; manages the City-wide operation and maintenance of moveable and fixed bridges; coordinates the preparation and maintenance of project records and the completion of budgetary and administrative reports; meets and confers with other departments and agencies to review proposals and provide technical assistance on transportation projects; approves revised transportation project plans, designs and change orders; establishes bureau policies and procedures.

DESIRABLE MINIMUM QUALIFICATIONS:

Training and Experience. Graduation from an accredited college or university with a Bachelor's degree in Civil Engineering or a directly related field supplemented by five years of progressively responsible supervisory experience in the planning, design and construction of major engineering projects, or an equivalent combination of training and experience. Registration as a Professional Engineer (R.P.E.) in the State of Illinois is required.

Knowledge, Abilities and Skill. Comprehensive knowledge of the theories, practices and procedures of transportation engineering. Comprehensive knowledge of the methods and procedures utilized in planning, scheduling and funding of transportation projects. Comprehensive knowledge of municipal, and state and federal codes affecting transportation projects.

Ability to manage the work of a large and diverse group of engineering personnel. Ability to manage and direct analyze and review transportation project designs, plans and budgets. Ability to establish effective working relationships with consultants and government representatives.

Comprehensive skill in the application of modern engineering methods

and techniques. Comprehensive skill in planning, organizing and administering complex transportation projects. Excellent oral and written communication skills.

Code: 5904  
Operation and Construction Service  
Engineering, Designing and Structural Group  
General Engineering Series

CLASS TITLE: **Chief Engineer** (Cont'd)

Working Conditions. General Office environment

Equipment. Standard office equipment.

NOTE: While the list of essential duties is intended to be as inclusive as possible, there may be other functions which are essential to particular positions within the class.

June, 1995