

ELECTRICAL ENGINEER I

PURPOSE AND NATURE OF WORK

Classification includes positions whose purpose is to train and develop engineering graduates for positions of higher responsibility. Employees of this classification apply knowledge of engineering to well-defined problems and/or assignments chosen to develop a familiarity with the methods and materials of the electrical engineering field.

Incumbents work under the direction of a registered Professional Engineer and have no supervisory responsibilities. Incumbents may work alternately in different sections of electrical engineering of the Department of Utilities.

ILLUSTRATIVE EXAMPLES OF WORK (Note: These examples are intended only to illustrate the various types of work performed by incumbents in this class. All of the duties performed by any one incumbent may not be listed, nor does any incumbent necessarily perform all of these duties.)

Reviews maps, diagrams, schematics and documents to obtain familiarity with relevant facilities of the City of Lafayette. Assists in preparation of designs, specifications and bid packages for construction or renovation projects. Participates in evaluation of bids, contract administration, and preparation of change orders. Ascertains contractor and in-house compliance with applicable standards, codes or regulations.

Problems limited in consequence of error, or in complexity, may be assigned for work with relative independence.

Performs related work as required.

NECESSARY KNOWLEDGES, ABILITIES, AND SKILLS

Knowledge of theory and practices of engineering related to the area of assignment as obtained from an accredited college or university.

Knowledge of computer applications as required by area of assignment.

Ability to identify, obtain, understand and apply applicable codes, regulations or legal standards for construction and renovation of municipal utility or public works facilities.

Ability to obtain and apply a significant knowledge of street, drainage, electric, water and wastewater facility layout, function, characteristics and limitations.

Ability to read, understand and apply contracts, specifications, change orders, purchasing and funding procedures.

Ability to form and maintain effective working relationships with elected officials, public and employees.

NECESSARY QUALIFICATIONS

Bachelor of Science degree in Electrical Engineering from an accredited college or university, as appropriate to the area of assignment.

DESIRABLE QUALIFICATION

Possession of the Engineer Intern certification by examination, in the State of Louisiana.