

TRAFFIC ENGINEERING TECHNICIAN

CODES/PAYGRADE

Class Code: 2005	EEO Code: C	Pay Grade: 117
Class Code: (II) 2009	EEO Code: C	Pay Grade: 120

MAJOR FUNCTION

Technical work performing para-professional engineering. Work may consist of street lighting projects, traffic engineering safety and operations studies and investigations, analysis and review.

ILLUSTRATIVE DUTIES

(NOTE: These are intended only as illustrations of the various types of work performed. The omission of specific duties does not exclude them from the position if the work is similar, related, or a logical assignment to the position.)

TRAFFIC ENGINEERING TECHNICIAN I -

Writes work orders and draws accompanying sketches for installation, maintenance, and repair/replacement of traffic control signs and pavement markings. Monitors implementation of same to ensure compliance with accepted standards and necessary time frames.

Reviews traffic crash reports, and field checks high crash locations to determine if appropriate improvements are needed.

Review citizen complaints and determines corrective action which includes traffic operations and safety problems, and corrective actions involving recommending sign, signal and pavement marking improvements.

Conducts and collects traffic data such as turning movement counts, vehicle classifications counts, signal warrant studies and multi-way stop studies as needed.

Prepares traffic engineering studies such as safety studies and assists with travel time studies, parking studies, speed zone studies and other studies as required.

Attends meetings relating to safety and traffic operations as required.

Performs related work as required.

TRAFFIC ENGINEERING TECHNICIAN II -

Performs field review of development to insure compliance of development order approved by council. Coordinate reviews with Growth Management.

Coordinates traffic engineering projects with the Florida Department of Transportation, Florida Power, Southern Bell and other Utility companies and cities.

Analysis traffic count data from numerous fixed traffic count stations, applying seasonal adjustment factors and coordinating with Florida Department of Transportation, and Volusia County Metropolitan Organization. Verifying the data to be valid and correct.

Performs preparation and perpetual monitoring of special service street lighting districts which includes: verification of petition; preparation for Council agenda item (legal description, technical layout, estimate of cost, preliminary assessment roll); written notification to individual residents (public hearing date, time, location and estimated annual share of costs); authorize and coordinate with local power companies for initial installation, modifications and repairs to new, existing and/or expanded street lighting districts; telephone and personal contacts with public in regard to Council policy and procedures; communicate with legal services, finance, and property appraiser's office regarding above.

Performs arterial lighting evaluation of special requests; sketch authorize and coordinate installation/maintenance of county owned and power company owned arterial lighting systems.

Performs related work as required.

Perform all the functions of the Traffic Engineering Technician Level I.

KNOWLEDGE, ABILITIES AND SKILLS

Traffic Engineering Technician I -

Knowledge of the principles, practices, techniques, and instruments of engineering, drafting, and drawing.

Ability to maintain traffic study equipment.

Ability to conduct traffic surveys.

Ability to perform computer functions (downloads, maintain and update spreadsheets, and know how to use a PDA).

Traffic Engineering Technician II-

Ability to perform technical computations and analyze complex arithmetic functions.

Knowledge of mathematics to include trigonometry and its application to engineering computations. Knowledge of computerized engineering systems.

Knowledge of street lighting. Knowledge of the principles, practices, techniques, and instruments of engineering, drafting, and drawing.

Ability to read land descriptions. Ability to analyze complex engineering drawings.

Ability to perform all the functions of a Level I.

MINIMUM QUALIFICATIONS

Level I -

Graduation from high school or possession of a GED supplemented by courses in engineering, technical or drafting courses and four (4) years of progressively responsible experience performing traffic engineering technician work.

Level II-

Four (4) years as a Traffic Engineering Technician I; or Graduation from high school or possession of a GED and eight (8) years of progressively responsible experience in Traffic Engineering or related field.

A comparable amount of education, training, or experience may be substituted for the minimum qualifications.

ADA REQUIREMENTS

Physical Demands: Light to medium work. Ability to see(acuity, color, depth perception), hear, talk, carry, push, pull, kneel/crouch, bend, grasp; finger dexterity. Ability to lift 50 pounds with frequent lifting and/or carrying of objects weighing up to 25 pounds.

Environmental Demands: Both inside and outside work. Exposure to inclement weather (heat, humidity, rain, and cold); fumes, noise/vibrations, dust.

Mental Demands: Ability to read and comprehend technical and professional manuals, procedures; instructions, memos, letters. Ability to write reports, memos, letters, summaries, and agendas. Ability to perform advanced mathematical functions including trigonometry. Ability to speak clearly and concisely; conversant in practices and procedures of discipline.

Revised 09/98

Revised 04/08

Division Director Signature

Date

Department Director Signature

Date

Human Resources Director

Date