

**ENGINEERING INSPECTOR
SENIOR ENGINEERING INSPECTOR**

CODES/PAY RANGE

Class Code: 2082	EEO Code: A	Pay Range: 121
Class Code: (Sr) 2084	EEO Code: A	Pay Range: 123

MAJOR FUNCTION

Progressively responsible work in public works engineering inspection and highway construction.

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.)

Responsible for inspecting a variety of public works type projects such as roadway construction, drainage structures, and bridges. Employee ordinarily works alone and is expected to carry out detailed inspections as assigned by immediate supervisor concerning plans, specifications and construction procedures.

Checks grades on construction projects by use of string line or level for proper grade. Checks soils for proper compactions as required by plans and specifications. Checks layout and grade on construction projects requiring the use of a transit and level.

Assists in inspection of asphalt, concrete, and soils investigation.

Makes written reports to superior as to job progress and percentage of completion on projects and keeps up to date diary of daily operations of contractor.

Assists contractors and engineers in interpreting County plans and specifications.

Makes independent investigations of complaints received by public works concerning various situations such as flooding, pavement conditions, right of way encroachments, etc., and makes recommendations as to validity and solution.

Performs related work as required.

KNOWLEDGE, ABILITIES AND SKILLS

Knowledge of the principles of civil engineering as they relate to public works construction projects. Knowledge of the principles, methods, materials, and equipment common to general

(Engineering Inspector/Senior Engineering Inspector continued)

public works construction such as highways, sidewalks, bridges, drainage structures, etc. Knowledge of various road building materials such as limerock, soil cement, and asphalt in base courses used for highway construction. Knowledge of storm sewer construction such as pipe laying, curb and gutter, inlet, and headwalls.

Ability to read and interpret a variety of blueprints, plans, and specifications pertaining to public works projects. Ability to make detailed technical inspections and to control assigned projects from commencement to final inspection and acceptance. Ability to perform various tests for compaction, bearing values, and percolation of soils. Ability to supervise asphalt construction as related to highway paving operations.

MINIMUM QUALIFICATIONS

ENGINEERING INSPECTOR - Graduation from high school or possession of a GED and four (4) years of experience in public works construction, road construction or related field, including layout and grade pavement conditions, and similar situations.

SENIOR ENGINEERING INSPECTOR - One (1) year as an Engineering Inspector; or, Graduation from high school or possession of a GED and five (5) years of progressively responsible experience in public works construction, road construction or related field, including checking layout and grade, pavement conditions, and similar situations.

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

ADA REQUIREMENTS

Physical Demands: Medium work. Ability to lift (50 lbs), carry, see (acuity, depth perception, color), walk, stand, climb, push, pull, reach, crawl, kneel, bend; finger dexterity.

Environmental Demands: Outside work. Exposure to inclement weather (rain, cold, heat, humidity), noise/vibration, fumes, odors, chemicals, dust, insects. Ability to traverse uneven/undeveloped terrain.

Mental Demands: Ability to read and comprehend technical and professional journals, manuals and procedures; layouts, blueprints; safety rules, instructions, policies, letters and memos. Ability to write reports, summaries, letters, evaluations. Ability to speak clearly and concisely relaying information, data and details to layman. Ability to perform shop math and general mathematical functions.