

CLASS SPECIFICATION FOR
Construction Engineer

GENERAL STATEMENT OF DUTIES: Supervises a department's construction division and performs difficult and advanced civil engineering work; does related work as required.

DISTINGUISHING FEATURES OF THE CLASS: This is supervisory engineering work in directing the construction division of the Public Works or Public Utilities department. Supervision is exercised over engineers and support staff whose duties include inspecting public works or public utilities construction projects to see that they conform to approved plans; preparing and administering construction contracts; and performing tests on soil, stone, asphalt and concrete. Work is performed under the general supervision of the Assistant Director of Public Utilities or Public Works.

EXAMPLES OF WORK (illustrative only):

- Supervises construction inspection to ensure that construction conforms to approved plans;
- Reviews construction plans prior to approval for possible field problems;
- Field checks progress of inspectors and to review construction problems;
- Advises private developers and engineers of status of construction and resolves problems that develop;
- Meets with private citizens on complaints, drainage problems, construction methods and schedules involving County projects;
- Develops construction specifications and updates County standards;
- Reviews soil test data to determine pavement design;
- Coordinates with the Planning Office and Public Utilities the streets to be taken into the County road system;
- Reviews progress of subdivision work for the reduction of performance bonds;
- Performs related work as assigned.

REQUIRED KNOWLEDGE, SKILLS AND ABILITIES: Extensive knowledge of the principles and practices of civil engineering as related to the position assigned; skill in the use of civil engineering instruments and equipment; ability to plan, lay out and direct the work of subordinates; ability to plan projects and to prepare related designs, estimates and specifications; ability to perform difficult engineering computations and to make comprehensive recommendations on engineering problems; ability to establish and maintain effective working relationships with employees and the public; ability to express self clearly and concisely orally and in writing; good professional engineering judgment.

MINIMUM EDUCATION AND EXPERIENCE: Possession of a bachelor's degree in civil engineering and five (5) years of professional construction engineering experience; OR, any equivalent combination of experience and training which provides the required knowledge, skills and abilities.

ADDITIONAL REQUIREMENT: Possession of, or eligibility for, a Professional Engineer's license issued by the Commonwealth of Virginia.

This is a class specification and not an individualized job description. A class specification defines the general character and scope of duties and responsibilities of all positions in a job classification, but it is not intended to describe and does not necessarily list the essential job functions for a given position in a classification.