

SENIOR CIVIL ENGINEER - 219

DEFINITION OF WORK

Under regular supervision, performs difficult professional work relating to the planning, design, construction and administration of a variety of major capital projects; does related work as required.

EXAMPLES OF WORK

Plans, supervises and participates in the design and construction of major projects such as buildings, bridges and other facilities with staff professionals, consulting engineers, architects, landscape architects and other professionals; reviews designs, drawings, estimates, specifications and construction schedules for compliance with applicable codes, standards and project objectives; inspects complex construction and participates in quality control to assure compliance with plans and specifications; reviews and approves change orders, redesigns, requests for payments, material inspection reports, construction methods and other in-progress changes as required; assists in the securing of regulatory permits and approvals from other governmental agencies; performs a variety of other duties for the Public Works Department as directed by the Municipal Engineer.

EMPLOYMENT STANDARDS

Education and Experience: Any combination of education and experience equivalent to a bachelor's degree with major course work in civil engineering and extensive experience in public works engineering, including supervisory experience.

Knowledge, Skills and Abilities: Thorough knowledge of the principles and practices of civil engineering as related to the preparation of plans and specifications in the areas assigned; knowledge of modern methods and techniques as applied to the design and construction of major capital projects; ability to perform difficult engineering computations, analysis, evaluations and to make recommendations on problem solutions related to construction of buildings, bridges and other major projects; ability to establish effective working relationships with other professionals as indicated under examples of work, as well with contractors and constructors; ability to effectively communicate both orally and in writing.

SPECIAL REQUIREMENT

Registration as a professional engineer in the State of North Carolina.

