

Classification Title: Facilities Engineer

FLSA Status: Exempt

BRIEF DESCRIPTION: Provides technical engineering support and strategic planning to the Physical Plant Division. Identifies major infrastructure repair/replacement projects and proposes strategies and alternatives to ensure optimal operations.

ESSENTIAL FUNCTIONS:

This information is intended to be descriptive of the key responsibilities of the position. The following examples do not identify all duties performed by any single incumbent.

S Sedentary	L Light	M Medium	H Heavy	V Very Heavy
Exerting up to 10 lbs. occasionally or negligible weights frequently; sitting most of the time.	Exerting up to 20 lbs. occasionally, 10 lbs. frequently, or negligible amounts constantly OR requires walking or standing to a significant degree.	Exerting 20-50 lbs. occasionally, 10-25 lbs. frequently, or up to 10 lbs. constantly.	Exerting 50-100 lbs. occasionally, 10-25 lbs. frequently, or up to 10-20 lbs. constantly.	Exerting over 100 lbs. occasionally, 50-100 lbs. frequently, or up to 20-50 lbs. constantly.

#	Code	Essential Functions
1	M	Applies principles, practices and techniques of engineering to assist Physical Plant staff in evaluating system design problems of various building systems. Evaluates methods, materials and equipment utilized in building systems to determine optimal performance, efficient energy usage and life cycle costing. Applies working knowledge of chill water and hot water distribution, electrical distribution and plumbing systems to optimize system controls to obtain maximum staff productivity.
2	L	Develops replacement schedule and costing through evaluating building system equipment age and operational parameters to determine life cycle replacement. Evaluates major repairs and recommends optimal approach to minimize downtime and cost. Reviews design plans and specifications of building systems and works with Architects and Engineers to determine replacement strategy and cost of replacement.
3	L	Consults with Physical Plant Director to support code compliance including ADA, energy management, and facility condition issues.
4	L	Performs special technical projects for General Services Administration/Physical Plant using FM Systems, AutoCad, Maximo and various other software programs to accomplish results. Interacts with other county departments as needed.

CLASSIFICATION REQUIREMENTS:

CLASSIFICATION REQUIREMENTS	
Education	Bachelor's degree in Engineering or related field.
Experience	Three years experience in facilities maintenance, operation and planning with emphasis in providing technical support to trade disciplines.

CLASSIFICATION REQUIREMENTS	
Equivalent Education & Experience Accepted?	Yes
Certification and Other Requirements	None
Reading	Advanced
Math	Advanced
Writing	Advanced
Managerial	Receives Limited Direction.
Budget Responsibility	Researches documents, compiles data for computer entry, and/or enters or oversees data entry. Has responsibility for monitoring budget expenditures (typically non-discretionary expenditures) for a work unit of less than department size.
Supervisory / Organizational Control	No responsibility for the direction or supervision of others.
Interpersonal / Human Relations Skills	Work requires frequent and regular contact with others in a direct reporting relationship as well as others outside of a direct reporting relationship. The purpose of the contact broad reaching and dynamic and may include the communication specific issues and/or general policies. Interaction with others outside of the department requires exercising participative management and negotiation skills that support County strategy and organizational goals. Work also requires the communication with direct reports to ensure maximum productivity in work assignments. Makes presentations and answers questions in regard to presentation materials and findings.

OVERALL PHYSICAL STRENGTH DEMANDS:

Sedentary	Light	Medium X	Heavy	Very Heavy
Exerting up to 10 lbs. occasionally or negligible weights frequently; sitting most of the time.	Exerting up to 20 lbs. occasionally, 10 lbs. frequently, or negligible amounts constantly OR requires walking or standing to a significant degree.	Exerting 20-50 lbs. occasionally, 10-25 lbs. frequently, or up to 10 lbs. constantly.	Exerting 50-100 lbs. occasionally, 10-25 lbs. frequently, or up to 10-20 lbs. constantly.	Exerting over 100 lbs. occasionally, 50-100 lbs. frequently, or up to 20-50 lbs. constantly.

MACHINES, TOOLS, EQUIPMENT, AND WORK AIDS:

Ladders, meters, test equipment, 800 mhz radios, cell phones, pagers, Nextel direct connect

PRIMARY WORK LOCATION	
Office Environment	Shop
Clinic	Vehicle
Recreation Centers/Neighborhood Centers	Warehouse
Outdoors	X Other (see 1 below)

(1) Office space, roofs, jails, mechanical and electric rooms

Wake County, NC

**Classification 3060
Facilities Engineer**

PROTECTIVE EQUIPMENT REQUIRED:

Hearing and eye protection, respirators, steel toe shoes, rain gear