CABLE TV ENGINEER

Occupational Code: 2060
Salary Range: 31A
Status: Classified
FLSA: Exempt
Established: 8/84
Revised: 12/88

NATURE OF WORK:

Highly technical work involving planning, designing and monitoring the construction of Cable communications systems within the City of Miami.

Responsibilities including monitoring and coordinating all technical engineering aspects relating to the development, construction and maintenance of institutional networks. An employee in this class will supervise and develop training programs for technical subordinates. General supervision is received from the Cable Communications Administrator. This job is not of a routine, clerical or ministerial nature and requires the exercise of independent judgment.

ESSENTIAL FUNCTIONS:  (The examples of work listed in this class specification are not necessarily descriptive of any one position in the class. The omission of specific statements does not preclude management from assigning specific duties not listed herein if such duties are a logical assignment for the position. Examples of work performed are not to be used for allocation purposes.)

Coordinates and monitors CATV construction progress and performance by instituting and conducting field inspections and testing programs.

Supervises and develops training programs for technical subordinates engaged in the review of the design and construction of cable television systems.

Plans, develops, coordinates and supervises the technical and engineering aspects of the utilization and management of CATV institutional networks.

Develops and supervises the maintenance of a comprehensive filing system for all maps and plans submitted for approval by cable operators.

May assist in the performance of License Enforcement and develop appropriate records keeping systems for License Ordinance Enforcement activities.

Prepares technical correspondence and reports; conducts studies. Testifies before legislative and regulatory agencies; makes community presentations as required.
Assists in the preparation of the budget and monitors expenditures as it relates to specific program areas.

Has a role in the administration of agreements resulting from collective bargaining negotiations.

Performs other related work as required.

**DESIRABLE KNOWLEDGE, ABILITIES AND SKILLS:** (The knowledge, abilities and skills identified in this class specification represent those needed to perform the duties of the class. Additional knowledge, abilities and skills may be applicable for individual positions in the employing departments.)

Thorough knowledge and expertise in the design, construction and maintenance of cable communications systems.

Considerable knowledge of current Federal, State and City legislation pertaining to cable communications.

Considerable knowledge of safety standards and practices as they relate to cable installation and equipment.

Ability to prepare comprehensive plans, specifications and maps for cable systems.

Ability to monitor, perform inspections and evaluate the adequacy, condition and efficiency of a cable system, its services and equipment.

Ability to supervise and develop effective working relationships with contractors, technical subordinates and the public.

Skill in the use and maintenance of engineering instruments and equipment.

**REQUIREMENTS:**

Bachelor’s degree in Electrical, Mechanical or Civil Engineering and five (5) years progressively responsible experience in the planning, design and construction of cable television and allied communication systems.

OR

Equivalent combination of training and experience.

**TOOLS AND EQUIPMENT:**

Electrical power and hand tools, wiring, gauges and electrical diagnostic equipment; two-way radio; general office equipment, i.e. telephone, copy machines.
**PHYSICAL DEMANDS:** (The physical demands described here are representative of those that must be met by an employee to successfully perform the essential functions of this job. Reasonable accommodations may be made to enable individuals with disabilities to perform the essential functions.)

Work is performed both indoors and outdoors, sometimes in inclement weather conditions. Hand-eye coordination is necessary to operate hand and electrical tools and equipment, as well as to operate personal computers and other office equipment as needed.

While performing the duties of this job, the employee is required to sit, stand, climb stairs and ladders, operate tools; reach with hands and arms; read and write in English. The employee is frequently required to do light lifting up to 14 lbs and on occasions may lift moderate to heavy lifting as needed, works outside, exposed to electrical hazards; high temperatures.

**WORK ENVIRONMENT:** (The work environment characteristics described here are representative of those employee encounters while performing the essential functions of this job. Reasonable accommodations may be made to enable individuals with disabilities to perform the essential functions.)

The work environment in the office is quiet and moderate to loud in the field. Frequently, required to work in hot temperatures.