

TELECOMMUNICATIONS ANALYST – SENIOR

Inside/Outside Plant Network Engineer

(Department of Administration – Information Technology Management Division)

PURPOSE: The Telecommunications Analyst – Senior position plans, designs, specifies, and manages the communications facilities of the City of Milwaukee.

ESSENTIAL FUNCTIONS:

- Designs, sizes and specifies equipment/systems including: Telecommunications cable plants and pathways both online and internet service providers, telecommunications systems equipment selection, rack layouts and elevations, telecommunication room layouts, miscellaneous low voltage systems, and grounding and lighting protection.
- Develops system drawings and specifications.
- Checks and coordinates information transfer into project drawings from vendor supplied drawings and information.
- Checks and back-checks documents and drawings produced by other engineers and drafting personnel.
- Assists in the planning, managing, configuring, operation, and support of the City of Milwaukee wired and wireless networks.
- Shares network responsibility for a network consisting of over 10,000 ports that supports critical city communication functions.
- Manages and prioritize projects with multi-year budget and paving construction plans.
- Estimates budgetary costs of new systems or changes to existing systems.
- Performs field surveys and documents existing conditions.

CONDITIONS OF EMPLOYMENT:

- Position requires providing on-call support on work nights and weekends as necessary to ensure reliability of networks.

Reasonable accommodations requested by qualified individuals with disabilities will be made in accordance with the Americans with Disabilities Act (ADA) of 1990.

MINIMUM REQUIREMENTS:

1. Bachelor's degree in Electrical Engineering or related technical field from an accredited college or university.
2. **Three (3) years** of experience in telecommunications design and engineering, that includes at least one (1) year of experience designing/supporting structured cabling, ISP-OSP, network integration, datacenter, or voice systems.
3. Valid Driver's License at time of appointment and throughout employment.

DESIRABLE QUALIFICATIONS:

1. BICSI RCDD certification.
2. BICSI OSP certification.
3. PE certification.

Equivalent combinations of education and experience may also be considered.

NOTE: College transcripts are required and must be received within three business days after the application period closes. College transcripts may be either attached to the application, sent to staffinginfo@milwaukee.gov, or sent to Box TCAS, Department of Employee Relations, City Hall, Room 706, 200 E. Wells St., Milwaukee, WI 53202-3554.

Telecommunications Analyst-Senior (DOA-ITMD)

Student copies are acceptable. Only applications with transcripts will be considered; applications without transcripts will be rejected.

KNOWLEDGE, SKILLS, ABILITIES AND OTHER CHARACTERISTICS:

- Knowledge of codes and standards related to the telecommunications and building technologies design/construction industry.
- Knowledge of different telecommunication structured cable products from various manufacturers including Corning, Belden, Commscope and Hubbell.
- Knowledge of local and wide area network systems.
- Knowledge of IEEE 802.11 wireless standards and 900 MHZ wireless systems.
- Knowledge of network services such as: TCP/IP, NDS, DHCP, OSPF, VLAN, routing protocols, SNMP, SMTP, NP, RTP, VRRP, DWDM, and SONET.
- Ability to read and interpret cable plats.
- Ability to communicate technical information to a wide variety of audiences.
- Ability to develop relationships, provide excellent service and responsiveness to internal customers and external vendors.
- Ability to use Microsoft Office plus MS Visio and associated hardware/software applications.
- Ability to plan and organize project timelines effectively.
- Ability to manage multiple competing projects at one time, to ensure timely completion.

SALARY: The current starting salary is (PR 2IX) \$57,884 for City of Milwaukee residents. The non-resident starting salary is \$57,028 annually.

THE SELECTION PROCESS will be job related and will consist of one or more of the following: education and experience evaluation; written, oral, or performance tests; or other assessment methods. The Department of Employee Relations reserves the right to call only the most qualified candidates to oral and performance examinations. Oral examinations may include written exercises. Selection process component weights will be determined by further analysis of the job.

The examination will be held as soon as practical after **November 8, 2013**. Receipt of applications may be discontinued at any time after this date without prior notice, however, recruitment may continue until the needs of the City have been met. Qualified applicants will be notified of the date, time, and place of the examination. Unless otherwise required by law, the City of Milwaukee will not provide alternative test administration. The applicant is responsible for attending all phases of the job selection process at the time and place designated by the City of Milwaukee.

NOTE: The City's residency requirement set forth in City Charter 5-02 is under litigation. If you have questions regarding your individual circumstances as part of the application and/or selection process please contact 414-286-2105.

APPLICATIONS and further information may be obtained in person or via mail from the City of Milwaukee Department of Employee Relations, 200 E Wells St, Room 706, Milwaukee, WI 53202-3554, from www.milwaukee.gov/jobs, or by calling (414) 286-3751.