TELECOMMUNICATIONS ANALYST
ASSISTANT * ASSOCIATE * SENIOR * PROJECT LEADER

The City's Networking Environment
The City of Milwaukee wide area network consists of about 10,000 network ports that support public safety and other city communication functions. The city's optical network includes over 100 miles of fiber optic cable providing communications to 100 sites. The network is designed to provide redundant paths to key locations. These key locations serve as distribution points for telecommunications services to other city facilities. The network supports voice, video, and data over multiple high speed communication links.

Vacancies currently exist in the Department of Public Works. Depending on education, experience, and certifications obtained, the Telecommunication Analyst – Associate and Project Leader vacancies in DPW can be filled at the Assistant, Associate, Senior or Project Leader level.

THE PURPOSE of the position is to install, maintain and support 7/24/365 the City wide area network and provide technical support to City information system managers.

THE ESSENTIAL FUNCTIONS include:
- Design, install, maintain and support a 7/24/365 enterprise network
- Support Open Source and Linux-based security tools and firewalls.
- Install, configure and support network equipment and services including: TCP/IP subnetting, DNS; DHCP, OSPF, VLAN, IPX/SPX, SNMP, SMTP, RTP, VRRP, DWDM, SONET, Ethernet, Fast Ethernet, Gigabit Ethernet, DSL, fiber and CAT 5 cabling, RS232 communications and CLI server administration.
- Install, manage, configure and support application server hardware such as: blade servers, RAID arrays, backup systems and server operating systems, including UNIX, LINUX, Windows 2003.
- Install, manage, configure and support wired and wireless networking including, RS232; 900MHZ, RF, Antennas, cabling, etc.
- Monitor network and identify problems and implement solutions to keep networks operable at all times.
- Document networks and provide network administration support.
- Work closely with customers, follow up on issues and concerns, and keep customers informed.
- On-call support: Be on-call and provide support for emergency and off-hour problems.

THE REQUIREMENTS:
1.   **Telecommunications Analyst-Assistant**
   a. One year of experience in local and wide area <u>network infrastructure</u> installation, maintenance, repair and support related functions. This should include direct experience in managing and configuring routers, switches, firewalls, etc.
   b. Associate's Degree in Information Management, Computer Science, Mathematics or a closely related field from an accredited college.
      NOTE: Equivalent combinations of education and experience may also be considered.

   Telecommunications Analyst-Associate
   a. Two years of experience in local and wide area <u>network infrastructure</u> installation, maintenance, repair and support related functions. This should include direct experience in managing and configuring routers, switches, firewalls, etc.
   b. Associate's Degree in Information Management, Computer Science, Mathematics or a closely related field from an accredited college.
      NOTE: Equivalent combinations of education and experience may also be considered.
   c. Advanced industry-recognized networking certifications are desirable.

   Telecommunications Analyst-Senior
   a. Three years of experience in local and wide area <u>network infrastructure</u> installation, maintenance, repair and support related functions. This should include direct experience in managing and configuring routers, switches, firewalls, etc.
   b. Bachelor's Degree in Information Management, Computer Science, Mathematics or a closely related field

from an accredited college.

NOTE: Equivalent combinations of education and experience may also be considered.

c. Advanced industry-recognized networking certifications are desirable.

Telecommunications Analyst-Project Leader

a. Five years of experience in local and wide area <u>network infrastructure</u> installation, maintenance, repair and support related functions. This should include direct experience in managing and configuring routers, switches, firewalls, etc.

b. Bachelor's Degree in Information Management, Computer Science, Mathematics or a closely related field from an accredited college.

NOTE: Equivalent combinations of education and experience may also be considered.

c. Advanced industry-recognized networking certifications are desirable.

2. Residence in City of Milwaukee within six months of appointment and throughout employment.

3. Valid driver's license at time of appointment and throughout employment.

THE CURRENT SALARY RANGE IS:

Telecommunications Analyst-Assistant	(SG 04)	$42,478 to $59,468 annually
Telecommunications Analyst-Associate	(SG 06)	$48,257 to $67,566 annually
Telecommunications Analyst-Senior	(SG 08)	$54,814 to $76,736 annually
Telecommunications Analyst-Project Leader	(SG 11)	$66,407 to $92,966 annually

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TELECOMMUNICATION ANALYST-ASSISTANT (#07-069A)
TELECOMMUNICATION ANALYST-ASSOCIATE (#07-069B)
TELECOMMUNICATION ANALYST-SENIOR (#07-069C)
TELECOMMUNICATION ANALYST-PROJECT LEADER (#07-069D)