



CITY OF SANDY JOB DESCRIPTION

POSITION TITLE:	Junior Network Engineer
DEPARTMENT:	Information Technology / SandyNet
FLSA STATUS:	Non-Exempt
SALARY GRADE:	F
REPRESENTATION:	None

GENERAL POSITION SUMMARY:

The Junior Network Engineer is responsible for managing connectivity and infrastructure for the City of Sandy and SandyNet departments. This position will work under the supervision of the IT Director and or Senior Network Engineer.

ESSENTIAL JOB FUNCTIONS:

- Analyze and provide recommendations towards the design, install, management, and maintenance of City/SandyNet network infrastructure including switching, routing, Storage Area Network, PON systems, and wireless networks.
- Work with Senior Network Engineer to design and deployment of infrastructure expansions and upgrades.
- Document network architecture and maintain up to date records of deployed systems.
- Manage asset management and lifecycle replacement systems and schedules for network and voice hardware for the City of Sandy and SandyNet departments, including Customer Premise Equipment (CPEs).
- Provision and diagnose CPE equipment/problems for SandyNet department.
- Troubleshoot network operation and connectivity issues.
- Interact with city employees and help resolve city related problems or issues.
- Interact with SandyNet customers and community members to resolve broadband related issues or problems.
- Manage, maintain, and update phone and VoIP/POTS implementation for City and SandyNet departments.
- Other duties as assigned.
- Visit customers houses to troubleshoot and resolve broadband connectivity problems.
- Establish and maintain positive working relations with coworkers, citizens, and the public.

JOB SPECIFICATIONS:

Mandatory Requirements:

- Associates Degree from an accredited college or university or equivalent experience.
- Minimum two years of experience working in an IT Department or ISP.
- Any combination of experience and education which provides the applicant with the level of required knowledge and abilities will be considered.

Necessary Knowledge, Skills and Abilities:

- Working knowledge of networking TCP/IP stack and OSI model
- Experience with networking hardware such as: switches, routers and firewalls



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- Working knowledge of Voice Over IP systems on the Cisco Unified Communications platform.
- Advanced troubleshooting and customer support skills
- Working knowledge of Linux systems: I.e., Debian or Centos
- Working knowledge of hypervisor technologies and SAN systems
- Working knowledge of VoIP systems

Special Requirements/Licenses:

Must be able to pass the department's security clearance standards, including Reference check, Criminal History check and have a valid driver license with an acceptable driving record. Lvl 4 CJIS certification for access to secure equipment/locations.

SUPERVISION RECEIVED:

Works under the direction of the IT Director and SandyNet General Manager.

SUPERVISORY RESPONSIBILITIES:

This position is not a supervisory position.

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 job functions.

- Requires the ability to function in an indoor or outdoor environment engaged in work of primarily a moderate active nature.
- Requires cardiovascular fitness to walk 400 yards over varying terrain.
- Requires auditory ability to carry on ordinary and telephone conversation.
- Requires near and far visual acuity to read detailed maps, drawings, other printed material, computer screens, observe moving objects, and observe physical layouts.
- Requires the ability to alternate sit and stand for sustained periods of time to observe construction and perform counter work.
- Requires sufficient ambulatory ability to move about an office and outdoor field locations and to kneel, crouch, bend, and climb.
- Requires the ability to move materials weighing up to 15 pounds frequently, and infrequently weighing up to 50 pounds.
- May be required to use personal vehicle in the course of employment.
- Requires exposure to computer screens, networking devices and optical lasers.
- Frequently required to sit for long periods of time.
- Requires the mobility to stand, stoop, crawl, reach and bend.
- Able to reach with hands and arms, use hands to finger, handle, operate small objects, tools or controls and must have sufficient hand eye coordination to operate common equipment.
- Frequently required to climb ladders to install/maintain equipment.



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TOOLS AND EQUIPMENT USED:

- Cable making equipment such as RJ45 crimpers and punch down tools.
- Fiber Termination equipment such as fiber optic cable and fusion splicer.
- Basic office equipment, including telephone, copy machine and computer.
- Power tools including drills, and air compressor. Various hand tools.

WORK ENVIRONMENT:

The work environment characteristics described here are representative of those an 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.

- Work is performed indoors and outdoors where some safety considerations exist from climbing and unstable surfaces.
- Work duties involve frequent travel by motor vehicle to site to make installations and customer service calls.
- Work duties infrequently require evening or weekend hours.
- The noise level in the work environment may at times require the use of hearing protection depending on the task being performed.
- Work is intermittently performed in the outdoor work environment, traveling from site to site; exposure to noise, wet and/or humid conditions, temperature variations, smoke, fumes, and gases.

This description covers the most significant essential and auxiliary duties performed but does not include other occasional work which may be similar, related or logical assignment to the position.

Greg Brewster

Information Technology Director
SandyNet General Manager

Adopted: 6/2023 Revised:

This job description does not constitute an employment agreement between the employer and employee and is subject to change by the employer as the needs of the employer and requirements of the job change.

Employee

Date