

# Job Analysis Form

Alternate Format Available



King County

## SHORT FORM FOR PRE-EMPLOYMENT PHYSICALS

<http://www.kingcounty.gov/employees/HumanResources/SafetyClaims/JobAnalysis/analyses.aspx>

Physical Required: General physical, Diabetes, BP, Vision, and Back strength and lifting.

PATIENT NAME: \_\_\_\_\_

JOB TITLE: Network Engineer - Journey

DEPARTMENT: Office of Information Resource Management WORK SCHEDULE: 40/week

JOB DESCRIPTION: Provides electronic data transport services for the County. Services provided by Network Engineers include on-site and remote integration, support and development services to the entire King County Wide Area Network ("KCWAN"), the Institutional Network ("I-Net") and the Intergovernmental Network ("IGN"), which services King County government and independent organizations supported by contract. Network Engineers are responsible for County-wide services including telephone, internet access, data and video transmission, and security.

WORK ENVIRONMENT:

ESSENTIAL FUNCTIONS: Implements network transport systems to provide connectivity to County government employees, and those entities contracting independently with the County, including cities, other governments, schools, non-profit organizations and businesses connected through the I-Net, IGN, Internet, or other systems; services provided include telephone, Internet access, data and video transmission, and security. Provides design and installation services for LANs, large building infrastructure, campus LAN, and WAN.

Evaluates customer needs in designing LAN, WAN and other network communications solutions for County departments and external customers. Participates in the development of network standards and procedures. Participates in project needs analysis, consultation and design, recommendations and implementation.

Implements office moves, fiber and cable; designs network infrastructure for new and remodeled facilities; manages contractors. Provides ongoing maintenance and support of existing networks, including configuring carrier class routers, large "smart" switches, LANs, switches, hubs, related servers, Frame Relay, ISDN and other wide area network devices and services. Provides contracted services as specified in service level agreements; ensures that agreed upon performance measures are met. Coordinates efforts with vendors for upgrades and network maintenance; assumes contract management duties as needed. Acts as technical lead or Subject Matter Expert on specific projects. Troubleshoots WAN and LAN problems and LAN/WAN connectivity problems as reported by LAN administrators or users; helps IT staff diagnose LAN/WAN problems; and may help configure department's applications or systems. Escalates/refers unresolved problems to appropriate resources; works with vendors to resolve problems. Implements change or upgrade requests. Installs new service packs and upgrades. Updates user access rights. Manages planned and unplanned network outages and other events. Monitors systems, including firewalls, VPN, and alarm messages; sends out network alerts. Implements changes across the entire network as indicated.

Implements County-wide security systems: designs or implements firewalls, VPN security, DNS structures, back-up systems, disaster recovery, etc. Consults on server protection issues; monitors critical LANs or other systems according to service agreements; provides specialized security solutions as needed. Documents all engineering work, problem resolution, recurring problems, and develops technical reports. Creates reports for County IT staff to improve understanding of network engineering services. May be called upon to provide

Exposures:

- Outside weather
- Non-weather related temp below 55°
- Non-weather related temp above 75°
- Humidity/dampness
- Moving mechanical parts
- Exposed high places
- Vibration
- Toxic or caustic chemicals
- Confined spaces
- Wet  Gasses
- Fumes  Odors
- Dusts  Mists
- Radiation  Explosives
- Noise Level \_\_\_\_\_
- Other \_\_\_\_\_

Special Requirements:

- CDL
- Respirator use

support for service issues or failures at any time. Drives a County vehicle to various locations to provide service to County employees and contracting entities.

Must be able to pass a background check

PHYSICAL DEMAND	HRS PER SHIFT
Standing	5 – 40 minutes
Walking <input type="checkbox"/> uneven terrain	15 min – 2 hours
Sitting	2.5 – 7 hours
Climbing stairs	0 - 5 minutes
Climbing <u>ladder</u>	0 – 5 minutes
Balancing	0 – 15 minutes
Bending/Stooping	0 – 10 minutes
Kneeling	0 – 10 minutes
Crouching	0 – 10 minutes
Crawling	0
Foot controls	0 – 1 hour
Reaching above shoulders	0 – 5 minutes
Reaching waist-shoulder	2.5 – 7 hours

PHYSICAL DEMAND	HRS PER SHIFT
Reaching knee-waist	0 – 10 minutes
Reaching floor-knee	0 – 10 minutes
Lifting/Carrying 1-10#	5 min – 1 hour
Lifting/Carrying 11-20#	0 – 5 minutes
Lifting/Carrying 21-50#	0 – 5 minutes
Lifting/Carrying 51-100#	0
Lifting/Carrying 100+#	0
Handling	30 min – 2.5 hour
Hand Controls	30 min -2.5 hour
Fingering <input checked="" type="checkbox"/> keyboarding	2 – 6 hours
Vision to assure safety of others	0 – 1 hour
Hearing to assure safety of others	0 – 1 hour
Other	

I have reviewed the following Job Analysis for the above-named candidate.

\_\_\_\_\_  
Physician's Signature

\_\_\_\_\_  
Date