

Job Analysis Form

Alternate Format Available



King County

SHORT FORM FOR PRE-EMPLOYMENT PHYSICALS

PATIENT NAME:

JOB TITLE: Engineer III

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

DEPARTMENT: Natural Resources and Parks

WORK SCHEDULE: 40 hours/week, shifts vary

JOB DESCRIPTION: The responsibilities of this classification include advanced level engineering design and construction management leadership, and related responsibilities in support of a department's engineering functions and project management responsibilities within a limited specialty area with a clearly defined scope of work.

WORK ENVIRONMENT: Work takes place both in an office environment and out in the field.

ESSENTIAL FUNCTIONS: Plan and develop research studies for products. Supervise the work of assigned staff by performing the following personnel functions, as determined by section or division management: hiring, providing training, conducting performance evaluations and coordinating or determining work assignments. Research and evaluate environmental data and/or environmental remediation reports prepared by external sources to determine compliance with County requirements; approve plans and specifications for construction. Coordinate the work of survey crews or construction inspection staff by determining and reviewing work assignments. Design and implement engineering, feasibility and constructability studies and designs; make recommendations to management based on study results. Approve engineering designs for assigned work unit or projects. Direct the investigation and troubleshooting of engineering and system problems. Supervise the construction, maintenance and compliance inspections for specific projects. Act as Construction Contracts Manager for assigned projects. Ensure that contractors are in compliance with contract specifications and requirements. Develop, initiate and monitor cost scheduling/project control systems/methods to monitor expenditures and project milestones and completion dates. Supervise the surveying program for specific projects, programs or assignments. Initiate and/or review and approve change orders for assigned projects. Participate in the review and evaluation of complicated plans and specifications. Supervise the preparation of bid specifications and other documents; participate in the bid for qualification process and negotiate final contract. Provide the final review or be responsible for the technical quality assurance of policies, procedures and standards for assigned technical discipline or division. Negotiate contract scope, budget and schedule. Review complex technical environmental documents to assess impacts. Provide technical support for negotiation of interagency or local agreements. Prepare cost and scheduling analysis reports for multiple projects and act as technical resources to project managers on project schedule and budget. Make presentations to elected officials, community groups and general public on projects. Act as project manager for assigned projects from conception to implementation.

***Continued on next page.

PHYSICAL DEMAND	HRS PER SHIFT
Standing	1 – 2
Walking <input checked="" type="checkbox"/> uneven terrain	< 1
Sitting	5 – 6
Climbing stairs	0
Climbing <u>ladders</u>	~ 5 minutes
Balancing	Less than 1 min.
Bending/Stooping	10 – 20 minutes
Kneeling	10 – 20 minutes
Crouching	10 – 20 minutes
Crawling	10 – 20 minutes
Foot controls	~ 1
Reaching above shoulders	Less than 5 min.
Reaching waist-shoulder	5 – 6

PHYSICAL DEMAND	HRS PER SHIFT
Reaching knee-waist	~20 minutes
Reaching floor-knee	~ 5 minutes
Lifting/Carrying 1-10#	~ 30 minutes
Lifting/Carrying 11-20#	Less than 5 min.
Lifting/Carrying 21-50#	Less than 5 min.
Lifting/Carrying 51-100#	0
Lifting/Carrying 100+#	0
Handling	~ 15 minutes
Hand Controls	~ 1
Fingering <input checked="" type="checkbox"/> keyboarding	3 – 4
Vision to assure safety of others	~ 2
Hearing to assure safety of others	~ 2

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 40 – 130 dbs
- Other _____

Special Requirements:

- CDL Respirator use

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

Signature

Date

Printed Name