

# Job Analysis Form

Alternate Format Available



King County

## SHORT FORM FOR PRE-EMPLOYMENT PHYSICALS

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

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

JOB TITLE: Engineer IV/Airport Engineer

DEPARTMENT: Transportation, Airport

WORK SCHEDULE: 40/week

JOB DESCRIPTION: Responsibilities include ongoing supervisory responsibilities for a professional engineering work staff and/or providing technical oversight, quality control and certification of plans and documents for a specific discipline in a section or work unit and/or being the overall program management for capital improvements projects. Capital improvement project assignments are broad in scope and requires extensive interpretation to develop and project overall scope of work. In addition, these assignments are highly visible and politically sensitive projects which include multiple projects or programs within the scope of the overall program.

WORK ENVIRONMENT: Office with some air field.

ESSENTIAL FUNCTIONS: Supervise and direct the preparation, review and approval of design and contracts documents. Supervise and direct the construction, maintenance and compliance inspection programs. Act as the overall program manager for projects with multiple dimensions. Act as the technical engineering (resident) expert for multiple programs, projects and/or management. Provide technical expertise in the evaluation and analysis of complex (multi-dimensional), sensitive and political issues. Provide technical supervision, oversight and quality control for specific discipline. Supervise and direct the review of engineering proposals prepared by external sources. Provide signatory engineering design approval on projects mandated by state and local codes. Supervise and direct the preparation of all contract negotiations and change orders. Interpret contract requirements and monitor compliance. Supervise and direct the surveying and mapping programs. Supervise and direct the analysis and review of water quality compliance and enforcement. Supervise and direct the daily operations of the materials laboratory. Supervise and direct the work of staff involved in the project control, cost scheduling and contract management function. Perform the full scope of supervisory responsibilities for assigned staff on a continual and regular basis. Staff may include a number or subordinate teams or organizational units. Supervise and direct the plans review and approval program for commercial and residential building permits. Act as technical liaison on modifying and updating codes and regulations and developing new codes and regulations.

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 80 DBL
- Other \_\_\_\_\_

Special Requirements:

- CDL
- Respirator use

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PHYSICAL DEMAND	HRS PER SHIFT
Standing	15 min – 1 hour
Walking <input type="checkbox"/> uneven terrain	15 min – 4 hours
Sitting	4 – 7 hours
Climbing stairs	15 min – 1 hour
Climbing <u>ladders</u>	15 min – 1 hour
Balancing	15 min – 1 hour
Bending/Stooping	15 min – 2 hour
Kneeling	0 – 2 hours
Crouching	0 – 2 hours
Crawling	0 – 2 hours
Foot controls	0 – 2 hours
Reaching above shoulders	0 – 2 hours
Reaching waist-shoulder	15 min – 3 hours

PHYSICAL DEMAND	HRS PER SHIFT
Reaching knee-waist	15 min – 2 hours
Reaching floor-knee	15 min – 2 hours
Lifting/Carrying 1-10#	15 min – 2 hours
Lifting/Carrying 11-20#	15 min – 1 hour
Lifting/Carrying 21-50#	15 min – 1 hour
Lifting/Carrying 51-100#	0
Lifting/Carrying 100+#	0
Handling	2 – 4 hours
Hand Controls	1 – 2 hours
Fingering <input checked="" type="checkbox"/> keyboarding	4 – 6 hours
Vision to assure safety of others	0 – 4 hours
Hearing to assure safety of others	0 – 4 hours
See Colors	0 - 4 hours

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

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

\_\_\_\_\_  
Date