

EMPLOYEE:

CLAIM #



Job Analysis Form

ALTERNATE FORMAT AVAILABLE

JOB TITLE Carpenter I

JOB CLASSIFICATION Carpenter I

DOT TITLE Carpenter

DOT NUMBER 861.381-022

DEPARTMENT Transportation

DIVISION Roads Services

OF POSITIONS IN THE DEPARTMENT WITH THIS JOB TITLE 2

CONTACT'S NAME & TITLE Ross Pettit, Maintenance Supervisor

CONTACT'S PHONE 206-296-8185

ADDRESS OF WORKSITE

155 Monroe Avenue
Renton, WA 98056

VRC NAME Kyle Pletz

DATE COMPLETED 5/19/05

VRC NAME Jeff Casem

DATE REVISED 7/14/09

WORK HOURS

6:00am to 4:30pm, ten hours per day 4 days per week during the summer months or 7:00am to 3:30pm; 8 hours per day, 5 days per week during fall spring and winter.

OVERTIME (Note: Overtime requirements may change at the employer's discretion)

Rare, 50-100 hours per year based upon road and bridge closures as well as emergency situations.

JOB DESCRIPTION

Performs construction, repair and maintenance work of structures, equipment, and bridges in a carpenter shop, out of doors, in buildings or on bridges. Up to 95% of the work is performed in the field under varying and adverse working conditions including heavy rain, vehicle traffic, darkness and extreme temperatures.

ESSENTIAL ABILITIES FOR ALL KING COUNTY JOB CLASSIFICATIONS

1. Ability to demonstrate predictable, reliable, and timely attendance.
2. Ability to follow written and verbal directions and to complete assigned tasks on schedule.
3. Ability to read, write & communicate in English and understand basic math.
4. Ability to learn from directions, observations, and mistakes, and apply procedures using good judgment.
5. Ability to work independently or part of a team; ability to interact appropriately with others.
6. Ability to work with supervision, receiving instructions/feedback, coaching/counseling and/or action/discipline.

JOB SPECIFIC REQUIREMENTS

Four years of full time paid employment in with carpentry, bridge construction or rehabilitation, concrete work, or completion of a recognized carpenter's apprenticeship program or an equivalent of training and experience. Must have journey level knowledge of skills in the carpentry trade. Must possess knowledge of basic mathematic formulas and contraction terminology; occupational hazards and safety precautions of the trade; qualities, grades, uses and adaptability of various woods, wood products and related materials used in all types of carpentry. Must have demonstrated skill in the use and care of the tools and equipment used in the trade. Must have skill in completing simple time and materials estimates. Must have the ability to follow verbal and written instructions; lift, carry, move or handle up to 70 pounds; perform duties involving physical labor including bending, kneeling, standing, reaching, climbing, stooping, squatting, pushing and twisting; perform work outdoors an in inclement weather; work in a team environment. The work involves the use of standard carpenter power tools, lifting up to 70 pounds alone or with help, and continuous physical work for the entire work day. The incumbent may be required to read blue prints and specifications, and to transfer those instructions into a finished product. The incumbent may be involved with new construction or remodeling or repairs. Must have a valid Washington State Driver's license upon date of hire. Successful completion of a pre-employment physical examination is required as well.

ESSENTIAL FUNCTIONS

1. Lays out work according to drawings; lays timbers and decks for construction; frame to code; lays ceiling joists and roof; installs doors and windows; installs, builds and/or repairs cabinets and counters; and installs floor finishes and base.
2. Excavates, sets grades and sets up steel forms; fabricates and sets up wooden forms; excavates and builds wooden forms; installs reinforcing steel as required; pours and finishes concrete; and performs a variety of concrete repairs and patching.
3. Prepares holes for posts with hand tools or power equipment; installs posts as specified; and hand railing and installs fencing fabric.
4. Understands and effectively follows oral and written instructions form architectural plans and drawings.
5. Properly jacks, braces removes and installs heavy timbers; safely works at heights up to 50+ feet; maintains working site around moving traffic such as flagging and traffic control.
6. Sets up worksite to ensure safe working conditions per OSHA and WISHA requirements. Safely uses ladders, staging, and personal safety equipment such as hard hats, safety vests, masks, gloves, goggles, protective clothing and safety harnesses for bridge work etc. Safely works around hazardous materials, moving traffic, equipment, machinery etc. Safely uses hand held shop and power tools, such as chain saws, drills, table saws, band saw, routers etc.
7. Performs work on job sites in the field up to 95% of the time.

NON-ESSENTIAL FUNCTIONS

Various Committees.

Identifies, recodes and turns in locations that may need repair or maintenance work.

PERSONAL PROTECTIVE EQUIPMENT USED

Fall protection, haz-mat suit, hard hat, leather and rubber gloves, knee pads, ear plugs and muffs, rain suit and hat, body harness, safety glasses, full face respirator, dust mask and rubber boots.

OTHER TOOLS & EQUIPMENT USED

Hand tools including hammer, jackhammer, air/impact tools, routers, power saws, core boring machines, compactor, screwdriver, etc, power tools including table saw, miter saw, sanders, band saw, reciprocating saw, rotor hammer, nail gun, pole gun, drills, drill press, key machine, stilts, lvy lift, Hi lift, cement mixer, laser level, county van or pickup truck (automatic transmission), phone, cotton, fencing and computer.

PHYSICAL DEMANDS AS JOB IS TYPICALLY PERFORMED

Continuously = occurs 66-100% of the time

Frequently = occurs 33-66% of the time

Occasionally = occurs 1-33% of the time

Rarely = may occur less than 1% of the time

Never = does not ever occur (such demands are not listed)

Highly Repetitive = Repeating the same motion every few seconds with little or no variation for more than two hours total per day.

This job is classified as

Heavy—exerting 50-100 pounds of force occasionally, and/or 25-50 pounds of force frequently, and/or 10-20 pounds of force constantly to move objects.

Standing

Health Care Provider initials if restricted_____

Occasionally on concrete, tile, linoleum, steep inclines, gravel, wood, uneven ground, vinyl, carpet, rubber mat or dirt surfaces for 30 minutes at a time for up to 2 hours total in a work shift. Most commonly occurs while filling in for flagging duties, working on scaffolding, conversing with co-workers, attending site meetings, using a drill press, using a jackhammer and sawing materials.

Walking

Health Care Provider initials if restricted_____

Occasionally to frequently on flat cement, steep inclines, rockeries, dirt, wood, gravel, uneven ground, carpet and linoleum surfaces for distances of up to ¼ mile for up to 30 minutes at a time, for up to 3 hours total in a work shift. Most commonly occurs while loading/unloading equipment as well as walking between buildings and the work truck.

Sitting

Health Care Provider initials if restricted_____

Frequently on padded office chair or automobile seat for up to 1 hours at a time for up to 3 hours total in a work shift. Most commonly occurs while completing paperwork and driving a County vehicle.

Climbing stairs

Health Care Provider initials if restricted_____

Rarely to occasionally for up to 1 minute at a time while climbing 1 flight for up to 8-10 times total in a work shift. Most commonly occurs while traversing work areas such as construction sites where elevators may not be operational as well as when getting to roof access areas.

Climbing

Health Care Provider initials if restricted_____

Occasionally on ladder or scaffolding to heights of up to 10 feet for up to 1 minute at a time for up to 1 hour total in a work shift. Most commonly occurs while installing traversing step and uneven inclines, retaining walks, ladders, guardrails and scaffolding.

Balancing

Health Care Provider initials if restricted_____

Frequently on scaffolding, uneven ground and steep inclines for up to 10 minutes at a time for up to 4 hours total in a work shift. Most commonly occurs while installing traversing step and uneven inclines, retaining walks, bridges, guardrails and scaffolding.

Bending neck up

Health Care Provider initials if restricted_____

Frequently to Continuously for up to 20 minutes at a time for up to 6 hours total in a work shift. Most commonly occurs while performing overhead work, manipulating ceiling panels, framing, hanging drywall, performing trim work, installing windows and installing doors.

Bending neck down

Health Care Provider initials if restricted_____

Frequently to Continuously for up to 20 minutes at a time for up to 6 hours total in a work shift. Most commonly occurs while framing, hanging drywall, performing trim work, installing windows, performing concrete work, working on sidewalks, installing/removing/repairing flooring and installing doors.

Bending/Stooping

Health Care Provider initials if restricted_____

Occasionally for up to 15 minutes at a time for up to 3 hours total in a work shift. Most commonly occurs while reaching for tools, installing bridge decking, installing bolts, cutting beams, inspecting framing, aligning guard rails, hanging drywall, performing concrete finishing and leveling asphalt. The employee can reduce bending/stooping by alternating with kneeling or squatting on most occasions.

Kneeling

Health Care Provider initials if restricted_____

Occasionally for up to 15 minutes at a time for up to 3 hours total in a work shift. Most commonly occurs while reaching for tools, installing bridge decking, installing bolts, cutting beams, inspecting framing, aligning guard rails, hanging drywall, performing concrete finishing and leveling asphalt. The employee can reduce kneeling by alternating with bending/stooping or squatting on most occasions.

Squatting

Health Care Provider initials if restricted_____

Occasionally for up to 15 minutes at a time for up to 3 hours total in a work shift. Most commonly occurs while reaching for tools, installing bridge decking, installing bolts, cutting beams, inspecting framing, aligning guard rails, hanging drywall, performing concrete finishing and leveling asphalt. The employee can reduce Squatting by alternating with bending/stooping or kneeling on most occasions.

Crawling

Health Care Provider initials if restricted_____

Occasionally to Frequently on wood, dirt, gravel, concrete, gravel, carpet, tile, linoleum and uneven surfaces for distances of up to 20 feet for up to 1 minute at a time for up to 4-6 hours total in a work shift. Most commonly occurs while installing, repairing and removing flooring as well as when performing trim work.

Operating Controls with Feet

Health Care Provider initials if restricted_____

Occasionally for up to 1 hour at a time for up to 3 hours total in a work shift while driving a County vehicle with an automatic transmission as well as a forklift.

Reaching above shoulder height

Health Care Provider initials if restricted_____

Frequently for up to 5 minutes at a time for up to 4 hours in a work shift while stocking shelves and pulling materials off of shelves in storage areas as well as performing overhead work, manipulating ceiling panels, framing, hanging drywall, performing trim work, installing windows and installing doors.

Reaching at waist to shoulder height

Health Care Provider initials if restricted_____

Frequently for up to 2 hours at a time for up to 4 hours in a work shift while stocking shelves and pulling materials off of shelves in storage areas as well as framing, hanging drywall, performing trim work, installing windows, installing bolts on bridges, installing guard rails, installing fences, installing door handles and installing doors.

Reaching at knee to waist height

Health Care Provider initials if restricted_____

Frequently for up to 2 hours at a time for up to 4 hours in a work shift while stocking shelves and pulling materials off of shelves in storage areas as well as framing, hanging drywall, performing trim work, installing windows, installing bolts on bridges, installing guard rails and installing fences.

Reaching at floor to knee height

Health Care Provider initials if restricted_____

Occasionally for up to 15 minutes at a time for up to 3 hours total in a work shift. Most commonly occurs while reaching for tools, installing bridge decking, installing bolts, cutting beams, inspecting framing, aligning guard rails, hanging drywall, performing concrete finishing and leveling asphalt.

Lifting 1-10 pounds

Health Care Provider initials if restricted_____

Occasionally for up to 1 hour at a time for up to 2 hour total in a work shift while utilizing hand and power tools, using a clipboard, manipulating materials, hanging drywall, utilizing a tool belt and installing bolts.

Carrying 1-10 pounds

Health Care Provider initials if restricted_____

Occasionally to Frequently for distances of up to 200 feet for up to 5 minutes at a time for up to 3 hour total in a work shift while transporting hand and power tools as well as materials.

Lifting 11-20 pounds

Health Care Provider initials if restricted _____

Rarely for up to 1 hour at a time for up to 3 hours total in a work shift while performing carpentry tasks, manipulating tool boxes, moving ladders and using tool kits as well as when utilizing power tools.

Carrying 11-20 pounds

Health Care Provider initials if restricted _____

Rare for distances of up to 200 feet for up to 5 minutes at a time for up to 2 hours total in a work shift while moving ladders, materials and tools to and from work sites.

Lifting 21-50 pounds

Health Care Provider initials if restricted _____

Rarely for up to 30 seconds at a time for up to 2 minutes total in a work shift while manipulating toolboxes, materials and power tools.

Carrying 21-50 pounds

Health Care Provider initials if restricted _____

Occasionally for distances of up to 200 feet for up to 5 minutes at a time for up to 1 hour total in a work shift while manipulating toolboxes, materials and power tools such as a skill saw, reciprocating saw, roto-hammer, ½" drill, router and core driller.

Lifting 51-100 pounds

Health Care Provider initials if restricted _____

Rare to Occasionally sacks of cement or sheetrock for up to 15 seconds at a time for up to 10 minutes in a work shift while moving 60-90 pound bags, guardrails beams (approximately 80 pounds), posts cement, fencing materials, lumber and hardware.

Carrying 51-100 pounds

Health Care Provider initials if restricted _____

Rarely for distances of up to 50 feet for up to 30 seconds at a time for 2 hours total in a work shift. Most commonly occurs with weights of 60-90 pounds while moving 60-90 pound bags on concrete, guardrails, beams, posts, lumber, sheets of drywall and hardware. The employee may also perform a two person lift of an item that may in excess of 100 pounds such as a compactor, guardrail head and 12 foot sheets of drywall.

Pushing and Pulling

Health Care Provider initials if restricted _____

Occasionally with a force of 25-100 pounds for distances of up to 200 feet for up to 5 minutes at a time and up to 15 minutes total in a work shift while moving a tool cart on concrete, tile, vinyl, carpet, rubber mat or dirt surfaces as well as pulling materials and lumber, drilling, using and wheelbarrow, operating a compactor, stretching fences and utilizing a hand truck.

Handling

Health Care Provider initials if restricted _____

Continuously for up to 2.5 hours at a time for up to 6 hours total in a work shift while framing, manipulating materials, forming, using finishing tools and operating a compactor as well as using hand and power tools such as a roto-hammer, jackhammer, router, drill, epoxy gun, core driller and reciprocating saw. The employee also handles when driving.

Operating Controls with Hands

Health Care Provider initials if restricted

Frequently for up to 2.5 hours at a time for up to 5 hours total in a work shift while driving a County vehicle with an automatic transmission and forklift as well as when manipulating power tools such as a reciprocating saw, core drilling machine, drill and impact gun.

Fingering

Health Care Provider initials if restricted

Frequently for up to 130 minutes at a time for up to 4 hours total in a work shift while keyboarding, manipulating small pieces of hardware and writing as well as when manipulating small objects such as nails, screw, nuts, bolts and trim pieces. The employee also fingers when stretching chain link fences and when performing tool maintenance.

Feeling

Health Care Provider initials if restricted

Occasionally for up to 30 seconds at a time for up to 10 minutes total in a work shift while when performing finish work as well as when feeling the temperature of power tools.

Talking

Health Care Provider initials if restricted

Occasionally for up to 5 minutes at a time for up to 30 minutes total in a work shift while conversing with co-workers and distributors about job assignments and work orders.

Hearing

Health Care Provider initials if restricted

Frequently for up to 15 minutes at a time for up to 5 hours total in a work shift while conversing with co-workers and distributors about job assignments and work orders as well as identifying potential hazards such as drawbridge sirens, two way radio and reverse sirens.

Seeing

Health Care Provider initials if restricted

Continuously for up to 2.5 hours at a time for up to 7 hours in a shift while reading plans and documents, aligning guardrails, working on bridge decks, performing carpenter duties, driving, taking measurements, operating power tools and inspecting work product.

Working with Heightened Awareness

Health Care Provider initials if restricted

Continuously for up to 2.5 hours at a time for up to 7 hours total in a shift while working with and around moving machinery and power tools as well as when working around moving traffic and on bridge decks.

ENVIRONMENTAL FACTORS

Work is performed at multiple King County sites including bridges and various other structures. The worker is exposed to moving machinery, wet conditions uneven ground and areas under construction. The worker is also exposed to multiple power and cutting tools. Work is performed with and around moving machinery and power tools as well as when working around moving traffic and on bridge decks

The noise level is

HCP Initials if Restricted

Approximately 80-130 decibels. The noise is caused by tools and jackhammer.

KING COUNTY JOB ANALYSIS COMPLETED ON: 5/19/05
JOB TITLE: Carpenter I DOT #: 861.381-022
EMPLOYEE: CLAIM #
VRC: Kyle Pletz

Work environment may include the following exposure(s):

Outside weather: Continuously
Non-weather related temperatures below 55 degrees: Occasionally
Non-weather related temperatures above 75 degrees: Occasionally
Wet: Occasionally
Humidity/dampness: Occasionally
Fumes: Occasionally
Odors: Frequently
Dusts: Frequently
Mists: Occasionally
Gases: Occasionally
Moving mechanical parts: Continuously
Vibration: Continuously
Working in high, exposed places: Occasionally
Toxic or caustic chemicals: Occasionally
Confined spaces: Occasionally

HCP Initials if Restricted

POTENTIAL MODIFICATIONS TO JOB

A cart or wheelbarrow can be used to reduce carrying.
A County vehicle can be used to reduce walking.
Anti-vibration gloves for when using power tools and vibrating equipment.

KING COUNTY JOB ANALYSIS COMPLETED ON: 5/19/05

JOB TITLE: Carpenter I

DOT #: 861.381-022

EMPLOYEE:

CLAIM #

VRC: Kyle Pletz

SIGNATURES

Signatures on this page are obtained before the document becomes available for use and are not required each time the document is reused. Obtained signatures are kept on file at King County Safety & Claims. The Health Care Provider signature section is separate and appears on the following page.

Printed name & title of VRC evaluator

Signature of VRC evaluator

Date

Printed name & title of contact

Signature of contact

Date

Printed name & title of contact

Signature of contact

Date

HEALTH CARE PROVIDER SECTION

Check all that apply

- ☐ The employee is released to perform the described duties without restrictions on performance or work hours as of _____.
- ☐ The employee is released to perform the described duties on a reduced schedule as of _____. The recommended schedule is: _____
☐ Temporary until _____ ☐ Permanent as of _____
- ☐ The employee is released to perform the described job with the following modifications: _____

☐ Temporary until _____ ☐ Permanent as of _____
- ☐ The employee is not released to perform the described duties due to the following job functions: _____

☐ Temporary until _____ ☐ Permanent effective _____
- ☐ The employee is unable to work in any capacity.
A release to work is: ☐ anticipated by _____ ☐ Not expected

The limitations are due to the following objective medical findings:

Printed or typed name and phone number of Health Care Provider

Signature of Health Care Provider

Date