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<b>TITLE:</b>	<b>Road Maintenance/ Construction Worker</b>	<b>JOB CODE:</b>	1205
<b>PREPARED:</b>	6/30/03	<b>FLSA:</b>	Non-Exempt
<b>UPDATED:</b>	12/5/13	<b>REVISION #:</b>	2

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**Direction:** Reports to, and receives direction from the Road Construction Equipment Operator, Road Maintenance/Construction Foreman, Assistant Road Supervisor, or Road Supervisor.

**Summary:** Under general supervision, performs skilled duties in the construction, maintenance and repair of paved and unpaved County maintained roads, bridges, and related infrastructure including gravel plant operations, signage, pavement markings and right of way. Operates light and heavy vehicles, complex construction and heavy equipment on a daily basis. Possess a degree of knowledge and proficiency sufficient to perform advanced level construction work.

**Distinguishing Characteristics:** This position is distinguished from other Maintenance Worker positions, by the added responsibilities and necessary experience. This is a skilled position, requiring various specialized licenses and certifications, operates heavy equipment and complex construction equipment on a daily basis. This is a safety sensitive position, and is subject to drug and alcohol testing in accordance with the requirements of the Federal Motor Carrier Safety Administration, and the Department of Transportation.

**Essential Job Functions:** *Performance of these functions is the reason the job exists. Assigned job tasks/duties are not limited to the essential functions. Incumbent(s) may not be required to perform all duties listed, and may be required to perform additional, position-specific tasks.*

- Performs functions and duties related to the reconstructing, repairing, and resurfacing of existing County roadways and related infrastructure. Road projects include, gravel upgrades, asphalt overlays, new paving, single and double chip seals, crack sealing, and asphalt patching.
- Builds, repairs, and replaces components of wood, steel and concrete bridges and culverts.
- Operates a variety of heavy and construction equipment, including dump trucks, loaders, dozers, backhoes, excavators, asphalt patch truck, pneumatic rollers, steel drum rollers, street sweepers, asphalt and concrete saws, trenchers, forklift, bucket/aerial lift trucks, crack sealing machine, asphalt zipper, paver screed, end dump trailers, belly dump trailers (trains), distributor truck, snow plows and sander trucks.
- Assists in the safe and effective operations of a rock crushing plant.
- Performs field surveys by setting stakes, checking elevations, recording road profiles and designing road alignments. Operate laser levels with a high degree of proficiency. Work from standard detail drawings, road profiles, blueprints, structural and civil plans.
- Installs, repairs and replaces wood, metal and concrete structures, such as guardrails and cattle guards.
- fabricates, repairs, replaces and installs sign posts, signs, reflective traffic markers and pavement markings including railroad crossings, stop bars, lane striping/directions, and parking zones in County parking lots.
- Operates equipment related to signage including stripers, spray guns, sandblasters, propane torch, and air compressors.
- Maintains accurate sign shop inventory, detailed records of work performed, cost of materials used.

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- Performs traffic counts, speed studies, and sign warrant studies per State/Federal regulations, prepares related reports.
- Installs traffic control devices such as signs, barricades, and cones per State/Federal specifications prior to construction and maintenance activities to provide for the safe operation of traffic through the work zone. Performs flagger duties. Ensures safety precautions are observed throughout the entire project.
- During road and bridge projects, directly responds to questions and complaints from the public, carries out assignments in a non-disruptive manner in areas receiving heavy traffic.
- Responds to emergency callouts on a 24/7 basis. Provide traffic control, and perform flagger duties on emergency callouts and traffic accidents. Assist Fire and Sheriff's Department when dispatched by supervisor.
- Trims and removes trees along roadways and rights-of-way. Operates related equipment and machinery including, aerial lift/bucket truck, industrial size wood chipper, and chain saws.
- Use proper construction techniques to perform asphalt patch work, compact various materials such as native soils and aggregate base rock, and the placement of rip-rap.
- Perform minor repairs on equipment and report the need for major repairs; check and adjust fluid levels; grease and lubricate moving parts as required.
- Performs emergency storm/disaster work in regards to traffic control, the clearing of debris, large animals, or excessive water from roadways, snow and ice removal, washouts, road and bridge failures or damage.
- Observes safe work methods and uses safety equipment, secures worksites from traffic hazards as necessary, attends safety meetings. Makes routine and emergency purchases as required for supplies and materials.
- Performs maintenance and repairs to various vehicles and equipment including sprayers, compressors, striping machines, crack sealing machine, large pumps, and generators.
- Performs weed abatement duties, cleans debris from ditches, culverts, and road shoulders.
- Remove and replace fences and mailboxes along roadways before, during, and after road projects.
- Hauls materials to job sites using various large truck and trailer combinations.
- Removes graffiti from bridge structures and traffic signs, re-paints bridge structures, guardrails, and cattle guards.
- Performs various carpentry duties including building construction, office/building remodels and improvements, forming and pouring concrete for sidewalks and ramps.

## **MINIMUM QUALIFICATIONS**

### **Knowledge and Abilities:**

- Knowledge of safety procedures to be followed in operation of equipment and in performance of manual tasks such as lifting heavy items, use and handling of lubricants; capabilities of tools and equipment used in road maintenance and procedures for operating heavy construction equipment; construction standards and inspection methods and techniques for Public Works Construction; Utility location identification requirements, County policies, procedures, rules and regulations; Federal State, and local laws, rules and regulations pertaining to signs and traffic markings; the geography and road system of Churchill County.
- Ability to work independently and/or effectively as a team, actively contribute to a safe and productive work site; operate assigned equipment in a safe and efficient manner; carry out written and verbal instructions; operate different types of heavy and complex construction equipment; learn and follow operating procedures; communicate effectively with members of the public; work cooperatively with

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others; identify when equipment needs repair; reading and interpreting road and/or bridge plans including road profiles, civil and structural drawings, and specifications; recognize potentially hazardous situations or safety issues, and take immediate corrective action; perform semi-skilled and skilled tasks in the construction and maintenance of roads, bridges, and related infrastructure; estimate necessary materials and supplies with a reasonable degree of accuracy.

**Education, Experience, Certifications and Licenses:** Must obtain all certifications and licenses within 6 months of employment.

- High School diploma or equivalent GED certificate
- Three - Five years experience in road and/or bridge construction and maintenance, including carpentry/concrete construction.
- Valid State of Nevada Class "A" Commercial Driver's license with Tanker, and Double and Triple trailer endorsements. (Ability to obtain in 6 months)
- Flagger and Work Zone Safety Certification.
- Forklift Certification
- OSHA 10 Certification
- MSHA Certifications as required for mining/crusher plant operations
- First Aid and CPR

#### **Environmental Factors and Conditions/Physical Requirements:**

- Work is performed in work zones on or around city, state, and county roadways.
- Outside environments with exposure to vehicular traffic, inclement weather, extreme heat, fumes and airborne particles, moving mechanical parts, and near or on heavy equipment.
- Noise level in the work environment is usually loud. Must work long days (12-14 hours) during various construction or paving projects.
- May be exposed to hazardous chemicals.
- Employee is regularly exposed to high precarious places, risks of electrical shock and or vibration.
- Subject to standing, walking, sitting, bending, reaching, kneeling and lifting heavy objects over 60 pounds.
- Specific vision abilities required by this job include close vision, distance vision, color vision, peripheral vision, depth perception, and ability to adjust focus.

#### **Special Conditions:**

- Employment is contingent upon the results of a pre-employment drug examination and subject to random drug testing in accordance with DOT requirements. Responds to after hour emergency call outs. Must be willing to work overtime, shifts, weekends, and holidays. May be required to be on-call, or on standby

#### **Equipment and Tools Utilized:**

- Operates a variety of heavy and construction equipment, including but not limited to: dump trucks, loaders, dozers, backhoes, excavators, asphalt patch truck, pneumatic rollers, steel drum rollers, street sweepers, asphalt and concrete saws, trenchers, forklift, bucket/aerial lift trucks, crack sealing machine, asphalt zipper, paver screed, end dump trailers, trains, belly dump trailers, distributor truck, snow plows and sander trucks, stripers, spray guns, sandblasters, propane torch, and air compressors, lasers, hand held radios, chain saws, and an extensive variety of hand and power tools.