**Equipment Operator, Grader Operator**

**Salary Classification:** CS3

**Description of Work/General Statement of Duties:** Maintains Davison County Highway System by removing snow and repairing roads (gravel and pavement) and bridges to ensure safety and comfort of the traveling public. Operates a variety of equipment and performs all types of related construction and maintenance work as necessary.

**Supervision Received:**

1. Employee works under the general direction of the superintendent
2. Nature of work is subject to fluctuations throughout the year. Employee may be required to work outside of normal business hours and/or at night and may be contacted at home in emergency situations

**Primary Duties:**

1. Operation of light, medium and heavy equipment including front-end loaders, trucks, graders and other vehicles used in the construction/maintenance of county roads, clearing of snow, or distribution of sand-chemical mixtures to ice/snow covered roads
2. Maintains equipment by performing critical service work
3. Patches potholes and edge failures in the roadway surface
4. Operates tractor/trailer and tandem trucks, front end loader, patrol and rollers for patching gravel surfaces and reconditioning gravel roadways to a smooth and level driving surface. Safety considerations are very critical
5. Operates heavy snowplows, sanders, front loaders, bulldozer, reversible v-plows and one-way snowplows, and patrol with wing to plow snow, remove snow and ice, and apply sand-chemical mixtures to ice and snow-covered roadways.
6. Operate steel-face and rubber-tire rollers to pack gravel or asphalt road surfaces
7. Operate bulk petroleum truck
8. Bridge and culvert work: repair and maintain bridges and culverts. Work can be hazardous. Requires operation of heavy equipment including crane, backhoes, and knuckleboom trucks
9. Gravel operation: involves placing gravel and maintaining gravel roads. Requires high degree of skill and knowledge. Safety factor is very critical. Requires operation of heavy equipment, motor graders, loaders, truck/trailer units, and rollers
10. Asphalt operation: involves placing asphalt. Requires high degree of skill and knowledge. Safety factor is very critical. Requires operation of heavy equipment, motor graders, loaders, truck/trailer units, and rollers
11. Removes brush and vegetation from roadways
12. Inspects and maintains equipment and supplies such as tires, lights, brakes, gas, oil and water
13. Performs emergency roadside repairs on equipment such as changing tires, installing light bulbs, and tire chains
14. Performs other work as required

**Knowledge, skills and abilities:**

**Knowledge of:**

1. Bridge and culvert work
2. Gravel operation
3. Asphalt operation
4. Maintenance of equipment
5. Patching holes
6. Operation of equipment

**Skills of:**

1. Work independently and meet schedules and timelines
2. Maintaining equipment by performing critical service work
3. Knowledge of safety precautions while performing specific duties

**Job Environment:**

1. 8-10 hour shifts
2. Occasionally 12-14 hour shifts, when needed
3. Maybe on call 24 hours/day, 7 days/week (holidays and weekends)
4. Two 15 minute breaks and 30 minute lunch per 8 hour shift
5. Overtime may be required
6. Work will be primarily in a noisy environment
7. Employee will be exposed to outdoor weather
8. Will be working in natural or fluorescent light
9. Will work in large open spaces or small spaces for repairs
10. Grip strength: 60-80# for various tools, shoveling, and lifting and equipment operation
11. Lifting: up to 100# for blades, chains, tires, rims, oil drums, etc
12. Carry: up to 50# for parts, tools, etc
13. Push/pull: up to 60# for welding cart, dollies, tools, etc

**Education/Experience:**

1. Employee is required to have a valid driver’s license
2. A commercial driver’s license is required