

PHYSICAL ACTIVITY DETERMINATION FORM

CLASSIFICATION Equipment Operator Junior/Senior ANALYSIS COMPLETED Dec. 16, 2014

WORKING TITLE Equipment Operator Junior and Equipment Operator Senior

DEPARTMENT Public Works

Kind of Work: Routine semi-skilled work and operation of motorized equipment used in the construction and maintenance of County roadways.

Hours Worked: Five days per week, 8 hours per day, 30 minutes for lunch break, two 15 minute breaks. Overtime during all seasons can be significant - up to 12-14 hour days.

Work Environment:

Lighting: Natural, may work outdoors in darkness.

Flooring: Concrete, blacktop, gravel, uneven terrain (hills, ditches, etc.) Walking surface can be affected by weather.

Temperature: Exposure to all weather conditions. May work entire shift outdoors in all conditions. Temperature can be controlled in vehicle cabs.

Noise Level: Noise levels at above levels.

Ventilation: Exposure to exhaust, tar fumes, paint fumes, etc.

Environment: Works outdoors and indoors independently and with others with frequent interruptions and deadlines requiring concentration, critical decision making skills, detailed work, multitasking and organizational skills; moderate people/public contact.

NOTE: Frequent use of awkward body mechanics, jerking motions, high degree of vibration while operating equipment.

Physical Activities:

	1-5%	6-33%	34-66%	67-100%
	Rare	Occasional	Frequent	Constant
Lift - While Stationary				
Up to 20 lbs				X
Up to 75 lbs		X		
Carry - While Moving				
Up to 20 lbs				X
Up to 75 lbs		X		
Push/Pull - Arms				
Up to 32 lbs				X
Up to 65 lbs.		X		
Up to 150 lbs	X			
Push/Pull - Legs				
Up to 90 lbs				X
Grip Strength				
Up to 32 lbs				X
Up to 40 lbs			X	
Up to 75 lbs		X		
Up to 160 lbs (both hands)	X			
Balance				X
Climb Ladders/Stairs		X		
Kneeling/Crawling/Squatting		X		

	1-5%	6-33%	34-66%	67-100%
	Rare	Occasional	Frequent	Constant
Hand/Finger Coordination				X
Bend & Reach below fingertips				X*
Reach (forward/side)				X
Reach (backward)				X
Reach (overhead)		X		
Rotate Neck			X	
Rotate Trunk			X	
Sit (with positional changes)				X*
Stand/Walk				X*
Smell		X		
Vision (near, far, field of vision & color)				X
Hearing (close and distant)				X
Driving				X

*activity depending upon equipment operating

Illustrative Examples of Work: (*) indicates tasks which have been designated as essential job functions.

- * 1. Operates equipment allocated to classes I, II and III as defined in the bargaining agreement and any additional types assigned in the construction, repair and maintenance of County roadways.
- * 2. Cleans drainage ditches and culverts.
- * 3. Patches cracks and eroded areas on road surfaces.
- * 4. Cuts and clears brush from right of ways.
- * 5. Maintains tools, services equipment and makes minor repairs as required.
- * 6. Makes deliveries of fuels, tires and parts to job sites, and performs emergency service tasks such as sign repair, sanding, etc., as required.
- * 7. Acts as a flag-person or dump-person on road repair projects.
- * 8. Demonstrates punctual and reliable attendance in accordance with designated work schedule.
- * 9. Performs all assigned tasks according to established safety rules, regulations and practices, and promptly reports work related injuries, unsafe conditions and near miss incidents to immediate supervisor.
10. May perform surveillance duties if required for security of property and equipment.
11. May perform janitorial duties if required.
12. Performs related tasks as assigned.

Equipment/Clothing Used:

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|-----------------------------------|-----------------------------------|---|
| 1. Dolly | 22. Fork lift | 43. Rotary air drill |
| 2. Ice breaking tool | 23. Excavator | 44. Gloves |
| 3. Chain saw | 24. Roller | 45. Personal clothing appropriate for weather |
| 4. Steel toed boots | 25. Street sweeps | 46. Grease Gun |
| 5. Safety glasses | 26. Brooms | |
| 6. Hard hat | 27. Paver extension | |
| 7. Coveralls | 28. Propane tank | |
| 8. Chest waders | 29. Sledge hammer | |
| 9. Ear protection | 30. Various hand tools | |
| 10. Orange vests | 31. Tire chains | |
| 11. Warm winter clothing | 32. Spades, picks, rakes, shovels | |
| 12. Blacktop packer and tar buggy | 33. Back hoe tractor | |
| 13. Maps and prints | 34. Hand held brush cutter | |
| 14. Snowplow and blades | 35. Pipe threader | |
| 15. Grader | 36. Flags | |
| 16. Loader | 37. Floor jack and jack hammer | |
| 17. Sander | 38. Air wrench | |
| 18. Culverts and culvert steamer | 39. Chain hoist | |
| 19. Tractor mower | 40. Water tank | |
| 20. Dump truck | 41. Dozer | |
| 21. Semi-tractor trailer | 42. Compactor | |