

## **JOB DESCRIPTION**

Town of Smithfield

### **MECHANIC/ WELDER**

**GENERAL SUMMARY:** Under general supervision of the Shop Foreman, this position is responsible for carrying out daily welding, mechanic and painting tasks in the Department of Public Works.

#### **ESSENTIAL FUNCTIONS:**

1. Perform physical labor and mechanical duties in the maintenance and repair of all municipal equipment, rolling stock, sanders and plows.
2. Repair and maintain diesel engines, small engines and manual or automatic transmissions as well as heavy equipment.
3. Perform sandblasting, spray painting, and painting of equipment.
4. Ability to determine the kind of metal to be welded and select the required welding rod, to preheat and prepare pieces to be welded, to straighten or fabricate metal members as required, to cut up heavy structural members or equipment for disposal.
5. Ability to prepare, adjust and operate acetylene torch and electric arc welding equipment in connection with machinery, equipment, and infrastructure repairs such as but not limited to engine blocks, heads and crank cases, gasoline tanks, sanders, plows and plow frames, guardrails, pipes and posts, and bridges.
6. Ability to drive various rolling stock for snow removal, plow and sanding operations for lengthy time periods.
7. Ability to drive all public works rolling stock requiring a Class II CDL w/endorsements including but not limited to 6-wheel trucks, street sweepers, catch basin cleaning truck, tractor and power mower, rollers, and miscellaneous grounds equipment.
8. Ability to assist the Shop Foreman in conducting a preventative maintenance program.
9. Ability to use welder, torches, power tools, jacks, hoists, compressor, sandblaster, and spray painting equipment.
10. Ability to follow all safety procedures and wear all safety equipment provided for work conditions including respirator, glasses, rain gear, boots, vest, and hard hat.

## **JOB REQUIREMENTS:**

### Education/Training:

1. Graduation from High School or completion of a GED certificate.
2. Current Commercial Drivers License (CDL) with Class II endorsements in good standing with the State of Rhode Island.
3. At least three years experience as a driver w/Class II CDL.
4. Current Payloader /Backhoe license (limited) or ability to obtain one within thirty days.
5. A thorough knowledge of the methods used in welding, cutting, brazing and heating metals; skill in acetylene and electric arc welding.
6. At least five years experience in welding-fabricating and the maintenance and repair of automotive and diesel powered equipment.

### Supervision:

1. Receives assignments of specific tasks from a superior; work is subject to supervision and inspection while in process and upon completion.
2. Occasionally may direct the activities of subordinates assigned to assist.

## **PHYSICAL REQUIREMENTS:**

1. Ability to lift objects up to 75 pounds above waist level.
2. Ability to effectively communicate verbally.
3. Ability to go into confined spaces.

## **WORKING CONDITIONS:**

1. Ability to work in all weather conditions including outside extremes of temperature as well as all types of precipitation.
2. Ability to work inside and under trucks for lengthy duration(s).
3. Ability to work nights and weekends (overtime) for severe weather events and emergency conditions.

SMITHFIELD DEPARTMENT OF PUBLIC WORKS  
WELDER/ MECHANIC

## FUNCTIONAL JOB DESCRIPTION

<b>Job Title:</b>	Mechanic/ Welder
<b>Department:</b>	Smithfield Department of Public Works

**Brief Description of Job:**

**General Summary:** Under general supervision of the Shop Foreman, this position is responsible for carrying out daily welding, mechanic and painting tasks in the Department of Public Works. **Essential Functions:** Perform physical labor and mechanical duties in the maintenance and repair of all municipal equipment, rolling stock, sanders and plows. Repair and maintain diesel engines, small engines and manual or automatic transmissions as well as heavy equipment. Perform sandblasting, spray painting, and painting of equipment. Ability to determine the kind of metal to be welded and select the required welding rod, to pre-heat and prepare pieces to be welded, to straighten or fabricate metal members as required, to cut up heavy structural members or equipment for disposal. Ability to prepare, adjust and operate oxy/acetylene torch and electric arc welding and mig equipment in connection with repair and fabrication machinery, equipment, and infrastructure such as, but not limited to: engine blocks, heads and crank cases, fuel tanks, sanders, plows and plow frames, dump bodies, heavy equipment, guardrails, pipes and posts and bridges. Ability to drive various rolling stock for snow removal i.e., plow and sanding operations for lengthy time periods. Ability to drive all public works rolling stock requiring a Class B CDL with endorsements including, but not limited to 6-wheel trucks, catch basin cleaning truck, tractor and power mower, rollers, and miscellaneous grounds equipment. Ability to assist Shop Foreman in conducting a preventative maintenance program. Ability to use welder, torches, power tools, air tools, jacks, hoists, compressor, sandblaster and spray painting equipment. Ability to follow all safety procedures and wear all personal protective equipment (PPE) provided for work conditions including eye, ear, body and respirator protection, boots, vest and hard hat when needed. **Working Conditions:** Ability to work in all weather conditions including outside extremes of temperature as well as types of precipitation; ability to work inside truck for lengthy duration; ability to work nights and weekends (overtime) for severe weather events and emergency conditions or as first-responder for on-call (beeper) situations as determined by the Deputy Director or Director.

<b>Personal Protective Equipment:</b>	High visibility shirt, jacket, vest, ear and eye protection, protective gloves as needed, proper work shoes, goggles, face mask as needed, welders vest/mask.
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<b>Classification:</b>	Sedentary: <input type="checkbox"/>	Light: <input type="checkbox"/>	Medium: <input type="checkbox"/>	Heavy: <input checked="" type="checkbox"/>	Very Heavy: <input type="checkbox"/>
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**Classification Key:**  
*Sedentary* - Exerting up to 10 lbs of force occasionally; negligible amount of force frequently to lift, carry, push/pull or otherwise move objects;  
*Light* - Exerting up to 20 lbs of force occasionally and/or 10 pounds of force frequently or negligible amounts of force constantly to move objects;  
*Medium* - Exerting 20lbs-50lbs of force occasionally; 10lbs- 20lbs frequent; and/or greater than negligible up to 10lbs of force constantly to move objects;  
*Heavy* - Exerting 50 to 100lbs of force occasionally; in excess of 50lbs frequently; 10lbs- 20lbs of force constantly to move objects;  
*Very Heavy* - Exerting in excess of 100lbs of force occasionally; and or in excess of 50lbs of force frequently; in excess of 20 lbs of force constantly to move objects

<b>Driving Requirements:</b>	None: <input type="checkbox"/>	Manual: <input checked="" type="checkbox"/>	Automatic: <input checked="" type="checkbox"/>
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WORK ENVIRONMENT	
<b>Floor Surface:</b>	Varying terrain, primarily inside work - concrete, asphalt, grass/dirt as needed
<b>Inside:</b>	Constant level
<b>Lighting:</b>	Overhead fluorescent light; LED
<b>Vibration:</b>	Vibratory power tools (air impact and or electrical)

SMITHFIELD DEPARTMENT OF PUBLIC WORKS  
WELDER/ MECHANIC

**PHYSICAL DEMANDS**

**LIFTING**

Maximum weight lifted: up to 75 lbs

WEIGHT	Never	Occ.	Freq.	Constant	Heights	Description of object
0 - 10 lbs			X		All heights	Various hand-held and power tools, parts
10 - 20 lbs			X		As above	As above
20 - 35 lbs			X		As above	As above
35 - 50+ lbs		X			As above	Larger parts i.e. battery, tire

**CARRYING**

Maximum weight carried: 75 lbs

WEIGHT	Never	Occ.	Freq.	Constant	Distances	Description of object
0 - 10 lbs			X		Varying as needed	See above
10 - 20 lbs			X		As above	See above
20 - 35 lbs		X			As above	See above
35 - 50 + lbs		X			As above	See above

**PUSHING/PULLING**

Maximum push/pull: Varying force depending on job task: up to 75 lbs

WEIGHT or FORCE	Never	Occ.	Freq.	Constant	Distances	Description of object
0 - 10 lbs			X		Short distances within garage	Torquing
10 - 20 lbs			X		As above	Replacing brooms on sweepers
20 - 35 lbs		X			As above	As above
50 + lbs		X			As above	As above

ACTIVITY	Never	Occ.	Freq.	Constant	Comments
Sitting		X			
Standing				X	
Walking			X		
Bending			X		
Twisting			X		
Crawling		X			
Kneeling			X		
Squatting			X		
Climbing		X			
Reaching - Vertical			X		
Reaching - Horizontal				X	
Grasping				X	Use of tools, power and manual
Pinching					
Manual Dexterity			X	X	As above
Fine Dexterity		X			

**FREQUENCY KEY:** Never (0%), Occasional (0-33% of shift), Frequent (34-66% of shift), Constant (67-100% of shift)