

Red River Floodway Expansion Project Job Referral Service

Welders (7265)

This form is to be used for the following positions:

Welders – Flat, Vertical, Overhead (C.W.B.) – Journey person and Apprentice

Name: _____

SIN: _____

* must select at least one response

* Education

- Less than high school
- Some high school
- Completion of high school
- Some college/CEGEP/vocational or technical training
- Completion of college/CEGEP/vocational or technical training
- Some university
- Completion of university

* Credentials (certificates, licences, memberships, courses, etc.)

- None
- 1st Period Apprenticeship
- 2nd Period Apprenticeship
- 3rd Period Apprenticeship
- Canadian Welding Bureau Certification
- Pressure Welding Certification

Recognition in Occupation

- Welder Trade Certificate Experience _____
- Welder Red Seal Endorsement
Experience _____
- Work experience in trade
– no credentials Experience _____

* Experience

- No experience
- Less than one year
- 1 - 2 years
- 2 - 5 years
- 5 - 10 years
- 10+ years

Languages

- Speak English
- Read English
- Write English

Main Work Area

- Maintenance/repair
- New fabrication
- Construction

Type of Machine Experience

- Spot welding machines
- Butt or seam resistance welding machines
- Gas welding machines
- Arc welding machines
- Brazing machines
- Soldering machines

Welding Positions

- Flat
- Horizontal
- Vertical
- Overhead
- All positions

Materials

- Stainless steel
- Steel, iron and heavy metals
- Aluminum alloys
- Magnesium alloys
- Nickel alloys
- Titanium and special alloys
- Zirconium
- Copper and copper alloys
- Composite materials
- Non-metallic materials
- Non-ferrous materials
- Plasma coatings

Weight Handling

- Up to 9 kg (20 lbs)
- Up to 13.5 kg (30 lbs)
- Up to 23 kg (50 lbs)
- Up to 45 kg (100 lbs)
- More than 45 kg (100 lbs)

(See next page)

Specific Skills

- Interpret welding process specifications
- Operate manual or semi-automatic, fully automated welding equipment
- Operate manual or semi-automatic, flame-cutting equipment
- Fit, braze and torch-straighten metal
- Operate oxygen arc cutting equipment (arc-air), (AOC)
- Operate drill presses
- Determine weldability of materials
- Spray welds
- Select filler rods
- Perform post welding heat treatment
- Operate hoisting and lifting equipment
- Prepare jigs or set-ups for welding
- Operate previously set-up welding machines to fabricate or repair metal parts and products
- Operate previously set-up brazing or soldering machines to bond metal or to fill holes, indentations and seams of metal
- Maintain and perform minor repairs on welding, brazing and soldering equipment

Additional Skills

- Read and interpret welding blueprints, drawings specifications, manuals and processes
- Instruct apprentices
- Examine welds and ensure that they meet standards and/or specifications
- Layout patterns
- Make shop sketches
- Polish sheet metal
- Supervise other workers
- Work at heights
- Instruct trainees