



## Construction Craft Labourer – Upgrader A Guide to Course Content

*Construction Craft Labourers prepare and clean up construction sites, move materials and equipment, and move and level earth; place and consolidate cast-in-place concrete structures; and install municipal water and sewer lines.*

### **Training Requirements:**

All candidates applying for upgrading training must be eligible to challenge the Interprovincial Journeyman examination.

This program is designed to prepare individuals to challenge the Construction Craft Labourer Interprovincial Journeyman examination.

Upgrading for apprentice construction craft labourers is designed to help apprentices learn and reinforce those skills needed to become competent journeyman labourers.

The upgrading program has a rigorous training schedule. Individuals must be able to manage a large volume of reading material in a short period of time. Completion of all assignments is integral to success. As there is no practical component to the upgrading training program, additional study is recommended in areas where individuals have minimal on-the-job experience.

The information contained in this pamphlet serves as a guide for employers and apprentices. The pamphlet briefly summarizes the training provided in the upgrading program.

The content of the technical training components is subject to change without notice.

## Occupational Skills

Information will be provided on the following general topics:

- uses and maintains tools and equipment: *maintains hand tools and power tools, maintains powder actuated tools, uses rigging and hoisting equipment, and uses stationary equipment, PPE and safety equipment*
- organizes work: *uses documentation, communicates with others, maintains safe work environment, organizes work tasks*
- performs routine trade activities: *handles construction materials, performs housekeeping duties, erects hoardings/enclosures, installs membranes, installs insulating materials, establishes grades and elevations, performs traffic control, installs permanent and temporary fencing*

## Site Work

Information will be provided on the following general topics:

- prepares site: *clears site, sets up site facilities, assists in the installation of pilings*
- performs groundwork: *locates underground utilities, performs excavation, installs excavation shoring, performs backfill and compaction*
- services site: *cleans site, cleans jobsite facilities, removes hazardous materials, controls water runoff, sets up temporary lighting, sets up generators and compressors, performs site restoration, works in tool crib, recycles materials*
- performs basic demolition: *cuts materials, dismantles existing structures and components*
- performs safety watches: *monitors hazardous gases, performs spark watch, performs bottle watch, performs confined space watch, monitors heaters*

## Scaffolding and Access Equipment

Information will be provided on the following general topics:

- uses scaffolding: *erects scaffolding, maintains scaffolding, tends to scaffold erectors, dismantles scaffolds*
- uses access equipment: *uses ladders, uses power-elevated work platforms, inspects access equipment, maintains access equipment*

## Concrete Work

Information will be provided on the following general topics:

- forms concrete: *installs shoring for formwork, sets up formwork, checks assembled formwork, dismantles formwork, maintains formwork*
- places and finishes concrete: *mixes concrete, transports concrete on site, installs components in concrete, places concrete, assists with finishing concrete, controls concrete curing process*

- modifies concrete: *drills/cores concrete, prepares concrete surface add-ons, repairs concrete, installs concrete joints, refinishes concrete surfaces*
- installs grout, epoxies and caulking: *installs grout, epoxies and caulking*

## **Masonry Work**

Information will be provided on the following general topics:

- prepares for masonry work: *sets up masonry materials*
- tends to bricklayers: *cuts masonry units, installs lintels and rough bucks, washes masonry units, assists with the installation of refractory materials, uses fireproofing materials*

## **Utilities and Pipeline**

Information will be provided on the following general topics:

- installs utility piping: *installs pipe for water systems, installs pipe for sewer systems, installs utility components, modifies existing pipe, assists with testing water and sewer lines*
- performs pipeline activities: *constructs right of ways, performs pipeline installation*

## **Roadwork**

Information will be provided on the following general topics:

- installs paving materials: *places paving materials, modifies existing paving materials*
- installs roadwork components: *installs barriers, installs road markings and signs, installs culverts*

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