	Section: Construction Projects		
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CONSTRUCTION PROJECTS

PURPOSE

Drivers are subject to other legislated regulations at different locations. Primarily the construction regulations must be followed when working at project sites.

SCOPE

Electrical Hazards- Construction Projects

An electrical hazard can be defined as:

- a dangerous condition where a worker could make electrical contact with energized equipment or a conductor, and from which the person may sustain an injury from shock and/or;
- there is potential for the worker to receive an arc flash burn, thermal burn, or blast injury.

Where appropriate a set of written procedures shall be available on the project to ensure that no part of a vehicle or equipment or its load encroaches on the minimum distance permitted (see table and procedure below).


**No equipment or vehicle shall be brought closer to overhead electrical wires set out in the following table.
Section 188(2) of the OHS Regulations for Construction Projects.**

Nominal Phase to Phase Voltage Rating	Minimum Distance
750 or more volts, but no more than 150,000 volts	3 meters
More than 150,000 volts, but no more than 250,000 volts	4.5 meters
More than 250,000 volts	6 meters

PROCEDURES

If a piece of equipment or vehicle may have the potential of encroaching the minimum allowable distance to an overhead wire, the following procedures are required:

- Arrange for a competent signaller to assist the operator/driver.
- Notify the operator/driver (in writing on plan) of the electrical hazard before work starts
- Provide enough warning devices / signs in the vicinity of the hazard so at least one is always visible to warn the operator/driver.
- Ensure a sign or sticker is visible at the operator's station (i.e. cab) warning of the hazard.
- Provide copies of the written procedures to the operator/driver.

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CONSTRUCTION PROJECTS

Signallers- Construction Projects

A signaller is a worker who assists the operator of a vehicle, machine, equipment, backhoe, crane or similar excavating machines and hoisting devices.

Signallers are used for several tasks on projects which include:

- reversing equipment or vehicles
- traffic control

Procedures

Operators and/or drivers shall be assisted by a signaller if either one of the following applies:

- The operator's view of the intended path of travel is obstructed or;
- A person could be endangered by the vehicle, machine, or equipment or by its load

Operator and driver responsibilities

Operators and truck drivers must follow direction from a signaller when required. The onus is on the operator or driver to request the signaller if it is required and the project supervisor has not provided.

1. Do not proceed until a signaller is assigned.
2. The operator, driver and signaller shall use jointly established procedures;
3. Signs should be posted to warn workers of reversing equipment

REQUIREMENTS

Ontario Legislation

- Construction Regs. 213, Sections 106, 186-187