Incident Summary #II-832375-2019 (#11598) (FINAL)

SUPPORTING INFORMATION	Incident Date		March 27, 2019
	Location		Sidney
	Regulated industry sector		Electrical - Low voltage electrical system (30V to 750V)
	Impact – Injury	Qty injuries	1
		Injury description	Worker received an electrical shock
		Injury rating	Insignificant
	Impact – Damage	Damage description	N/A
		Damage rating	None
	Incident rating		Insignificant
	Incident overview		A construction labourer was helping a journeyman electrician locate the other end of a conduit he was working on. The labourer without being instructed to do so pushed a conductive metal measuring tape into a unmarked conduit that he assumed to be a spare conduit. This conduit was not a spare, but rather led to the energized portion of the kiosk.
INVESTIGATION CONCLUSIONS	Site, system and components		Energized electrical kiosk in an active construction site with spare unmarked and uncapped spare conduits.
	Failure scenario(s)		An individual was trying to confirm where a spare underground conduit located outside of a power kiosk led to. The individual pushed a metal measuring tape into the unmarked uncapped conduit that led to an energized portion of kiosk.
	Facts and evidence		- Both ends of spare conduit were exposed at time of assessment, no caps were present. - Spare conduit had no markings of any kind at time of assessment. - Canadian Electrical Code (CEC) requires that spare or unused raceways that terminate in enclosures be capped (CEC 12-940).
	Causes and contributing factors		The electrical shock incident was due to a worker inserting a metal measuring tape into an unknown conduit that led to an energized component. Contributing factors included non-compliance with the Canadian Electrical Code by the conduit being unmarked and uncapped.

Photo 1: Electrical kiosk containing a spare conduit

Photo 2: Spare conduit on floor of kiosk

Photo 3: Other end of spare conduit leading to kiosk