

## MINIMUM VERTICAL CLEARANCES

### MINIMUM VERTICAL CLEARANCES ABOVE FINISHED GRADE

LOCATION OF WIRES OR CABLES	COMMUNICATIONS CABLE AND SPAN WIRE	LOW VOLTAGE CABLE 0-750V	HIGH VOLTAGE CABLE									
			750V TO 22kV	22kV TO 50kV	50kV TO 90kV	90kV TO 120kV	120kV TO 150kV	150kV TO 250kV	250kV TO 300kV	Over 300kV		
OVER FREEWAYS, EXPRESSWAYS, AND RAMPS	6.0	6.0	6.0	6.0	6.1	6.1	6.4	6.4m + 10mm/kV over 150kV	7.4m + 70mm/kV over 250kV	10.9m + 25mm/kV over 300kV		
OVER KING'S HIGHWAYS AND OTHER ROADWAYS	4.7	4.7	5.1	5.5	5.8	6.1	6.4	6.4m + 10mm/kV over 150kV	7.4m + 70mm/kV over 250kV	10.9m + 25mm/kV over 300kV		
OVER AREAS LIKELY TO BE TRAVELLED BY VEHICLES (OTHER THAN RESIDENTIAL DRIVEWAYS)	4.7	4.7	5.1	5.5	5.8	6.1	6.4	6.4m + 10mm/kV over 150kV	7.4m + 70mm/kV over 250kV	10.9m + 25mm/kV over 300kV		
ALONGSIDE ROADS IN DENSELY POPULATED AREAS	4.7	4.7	5.1	5.5	5.8	6.1	6.4	6.4m + 10mm/kV over 150kV	7.4m + 70mm/kV over 250kV	10.9m + 25mm/kV over 300kV		
ALONGSIDE ROADS OR OVER AREAS UNLIKELY TO BE TRAVELLED BY VEHICLES	3.3	3.7	4.5	4.9	5.2	5.5	5.8	5.8m + 10mm/kV over 150kV	6.8m + 70mm/kV over 250kV	10.4m + 25mm/kV over 300kV		
OVER RESIDENTIAL DRIVEWAYS	4.0	4.0	5.1	5.5	5.8	6.1	6.4	6.4m + 10mm/kV over 150kV	7.4m + 70mm/kV over 250kV	10.9m + 25mm/kV over 300kV		
OVER AREAS ACCESSIBLE TO PEDESTRIANS ONLY	2.8	3.4	3.7	4.0	4.3	4.6	4.9	4.9m + 10mm/kV over 150kV	5.9m + 10mm/kV over 250kV	6.4m + 10mm/kV over 300kV		
ABOVE TOP OF RAIL AT RAILWAY CROSSINGS	7.6	7.6	7.9	8.4	8.7	9.0	9.3	9.3m + 10mm/kV over 150kV	10.3m + 10mm/kV over 250kV	10.8m + 10mm/kV over 300kV		

**NOTES:**

- A Clearances shown are under maximum sag conditions as defined in CSA C22.3, No.1--01.
- B Voltages are to ground for effectively grounded systems and phase to phase for ungrounded systems.
- C This OPSD is the same as OPSD--2245.020.
- D All dimensions are in metres unless otherwise shown.

<b>ONTARIO PROVINCIAL STANDARD DRAWING</b>	Nov 2004	Rev 0
<b>MINIMUM VERTICAL CLEARANCES FOR AERIAL CABLE SYSTEMS</b>	OPSD - 217.030	
		