

Table 2.1: Fire Access Roadways and route specifications

REQUIREMENTS	FIRE ACCESS ROAD FOR STANDARD FIRE APPLIANCE	FIRE ACCESS ROAD FOR HIGH REACH FIRE APPLIANCE
Minimum weight carrying capacity of all-weather driving surface to withstand Civil Defence Vehicle	41,000 kg	81,000 kg
Maximum Dead end	45 m	45 m
Minimum Unobstructed Width	6 m	6 m
Minimum Unobstructed Road Width between Kerbs	6 m	6 m
Minimum Width of Gateways	4.5 m	4.5 m
Minimum Unobstructed vertical clearance for any Grade	4.5 m	4.5 m
Maximum Road Grade	10%	10%
Minimum Turning Circle (Roundabout) Radius	12 m	12 m

2.4. Fire Access Roadway Gate

- 2.4.1. Fire access Roadway Gate width shall be 4500 mm.
- 2.4.2. Gates shall be of swinging, sliding or lifting types.
- 2.4.3. Electric and automatic gates shall be equipped with a manual overriding facility such that Civil Defence personnel can open the gate during power failures and emergencies.
- 2.4.4. Locks shall not be installed on Fire access road gates unless it is attended continuously by security guards or keys are located on-site and the gates may be readily unlocked.

2.5. Signage

- 2.5.1. Fire access Roadways and Fire accessway shall be free of obstruction and designated parking for Fire vehicles shall be available at all times. Signs shall be provided with 'NO PARKING, FIRE LANE' and 'PARKING RESERVED OF CIVIL DEFENCE' Signage. Size of wordings shall not be less than 50mm.

