



**Date:** 18/05/2022 **Author:** THM/JC **Project:** TM1726

**Comments:**

Traffic Management Plan to enable TBEB Ltd with works at Ballyroan in Co. Laois. Phase 3

**Legend**

- Cone
- Lat. Safety Zone
- Long. Safety Zone
- Taper
- Works Area

Table 1.1.1.3: Minimum Design Parameters for Level 1(iii) Roads Single Carriageway of 50km/h

Design Parameter	Type A > 12 hours	Type B < 12 hours	Type C < 15 mins
<b>Advance Warning Signage</b>			
Sign Size (mm)	600	600	-
Sign Visibility (m)	50	50	50
Number of Signs	2	2	-
Cumulative Distance (m)	40	40	-
Distance between Advance Warning Signs (m)	20	20	-
<b>Taper</b>			
Lane Taper Rate <sup>A</sup>	1 in 5	1 in 5	-
Hard Shoulder Taper Rate <sup>A</sup>	-	-	-
<b>Cones</b>			
Cone Height (mm)	750	750	-
Taper Spacing (m) <sup>B</sup>	3	3	-
Longitudinal Spacing (m) <sup>B</sup>	3	3	-
<b>Lamps (unlit areas only)</b>			
Taper Spacing (m)	6	6	-
Longitudinal Spacing (m)	6	6	-
<b>Safety Zones</b>			
Longitudinal (m)	5	5	-
Lateral (m)	0.5	0.5	-
<b>Lanes</b>			
Lane Width (m) <sup>C</sup>	3 (2.5)	3 (2.5)	-
Two-way Roadway Width (m)	5	5	-

**Notes:**  
 A. 45° taper is required at shuttle controlled layouts with cones at 1m centres  
 B. Cone spacing is the maximum permitted. Where geometry or any other site-specific reason dictates the spacing shall be reduced accordingly.  
 C. The optimum lane width for all classes of vehicles is 3.3m. This may be reduced to a minimum of 3m. Below this, HGVs and buses must be marshalled past the works. The absolute minimum lane width, if only cars and light vehicles are present, is 2.5m. See Section 0.4.3.4.

Table 2.2.2.1: Minimum Design Parameters for Level 2(i) Roads Single Carriageway 80km/h

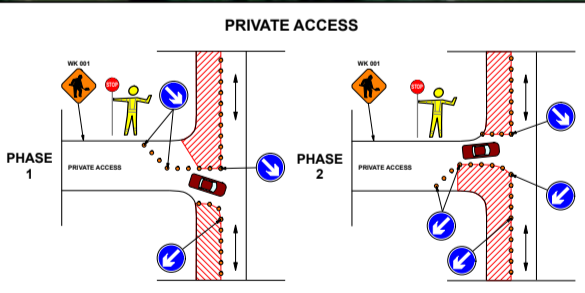
Design Parameter	Type A > 12 hours	Type B < 12 hours	Type C < 15 mins
<b>Advance Warning Signage</b>			
Sign Size (mm)	600	600	-
Sign Visibility (m)	90	90	90
Number of Signs	4	3	-
Cumulative Distance (m)	480	360	-
Distance between advance warning signs (m)	120	120	-
<b>Taper</b>			
Lane Taper Rate <sup>A</sup>	1 in 40	1 in 40	-
Hard Shoulder Taper Rate <sup>A</sup>	-	-	-
<b>Cones</b>			
Cone Height (mm)	750	750	-
Taper Spacing (m) <sup>B</sup>	3	3	-
Longitudinal Spacing (m) <sup>B</sup>	12	12	-
<b>Lamps (unlit areas only)</b>			
Taper Spacing (m)	6	6	-
Longitudinal Spacing (m)	24	24	-
<b>Safety Zones</b>			
Longitudinal (m)	45	45	-
Lateral (m)	1.2	1.2	-
<b>Lanes</b>			
Lane Width (m) <sup>C</sup>	3	3	-

**Notes:**  
 A. 45° taper is required at shuttle traffic controlled layouts with cones at 1m centres  
 B. Cone spacing is the maximum permitted. Where geometry or any other site-specific reason dictates the spacing shall be reduced accordingly.  
 C. The optimum lane width for all classes of vehicles is 3.3m. This may be reduced to a minimum of 3m. Below this, HGVs and buses must be marshalled past the works. The absolute minimum lane width, if only cars and light vehicles are present, is 2.5m. See Section 0.4.3.4.

Use an additional sign on approach to ensure minimum visibility requirements are met.

Works area may be split into sections with advance warning signage adjusted accordingly

- Manifest**
- 56 x Cone
  - 6 x WK 001 Roadworks Ahead
  - 4 x RUS 001 Keep Left
  - 3 x WK 060 Temporary Traffic Signals
  - 2 x P 010 End
  - 2 x Portable lane control
  - 2 x WK 095 Stop Here on Red
  - 1 x P 001 Distance
  - 1 x P 003L Direction



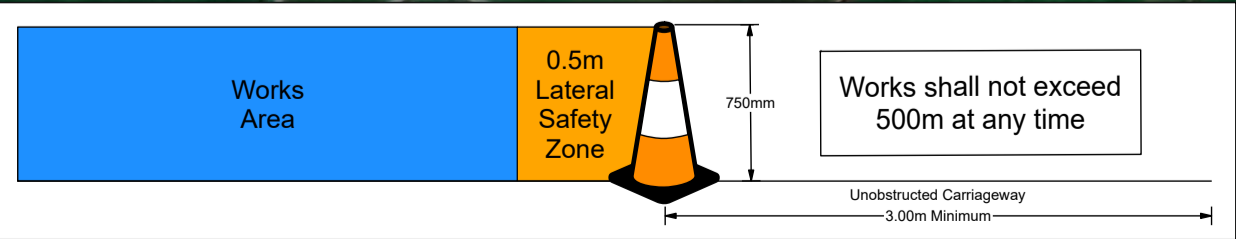
**Note 1:** Written dimensions are preferred, do not scale dimensions. All dimensions to be checked before work commences and any discrepancies reported. All traffic Management to be carried out in accordance with Chapter 8 of the Traffic Signs Manual in force at time of construction.

**Note 2:** All signage to be erected outside visibility splays at junctions and site access.

**Note 3:** Traffic Management will be audited and monitored in order to ensure safety and adequate traffic manoeuvrability. Should changes be required, drawings will be revised accordingly.

**Note 4:** Interaction with local residents and landowners will be carried out by the main contractor.

**Note 5:** All lighting requirements within the works area will be the responsibility of the main contractor.



First advanced warning sign is only approx. 25m inside the 50km/h zone, so an additional advanced warning sign shall be placed 100m before works

