



**Date:** 21/08/2023 **Author:** THM/JC **Project:** KLS7010

**Comments:**  
Traffic Management Plan to enable KLS with works on the N80 at Ballickmoyler in Co. Laois.  
Pole 1

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

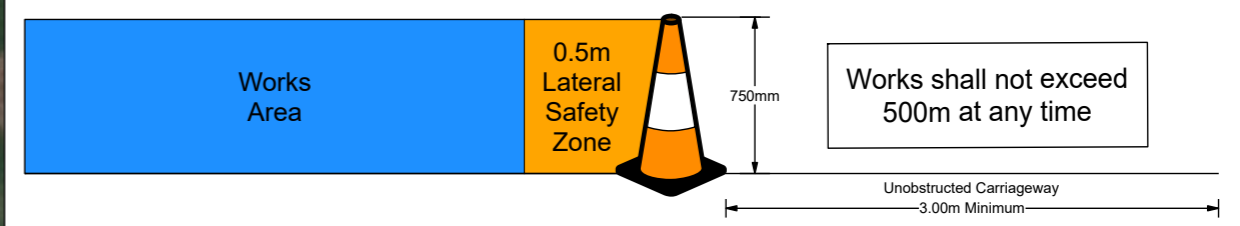
Design Parameter	Type A > 12 hours	Type B < 12 hours	Type C < 15 mins
<b>Advance Warning Signage</b>			
Sign Size (mm)	600	600	-
Sign Visibility (m)	50	50	50
Number of Signs	2	2	-
Cumulative Distance (m)	40	40	-
Distance between Advance Warning Signs (m)	20	20	-
<b>Taper</b>			
Lane Taper Rate <sup>A</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 2.2.2.2: Minimum Design Parameters for Level 2(ii) Roads Single Carriageway 100km/h

Design Parameter	Type A > 12 hours	Type B < 12 hours	Type C < 15 mins
<b>Advance Warning Signage</b>			
Sign Size (mm)	750	750	-
Sign Visibility (m)	120	120	120
Number of Signs	4	3	-
Cumulative Distance (m)	800	600	-
Distance between advance warning signs (m)	200	200	-
<b>Taper</b>			
Lane Taper Rate <sup>A</sup>	1 in 60	1 in 60	-
Hard Shoulder Taper Rate <sup>A</sup>	1 in 30	1 in 30	-
<b>Cones</b>			
Cone Height (mm)	1,000	1,000	-
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)	60	60	-
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.



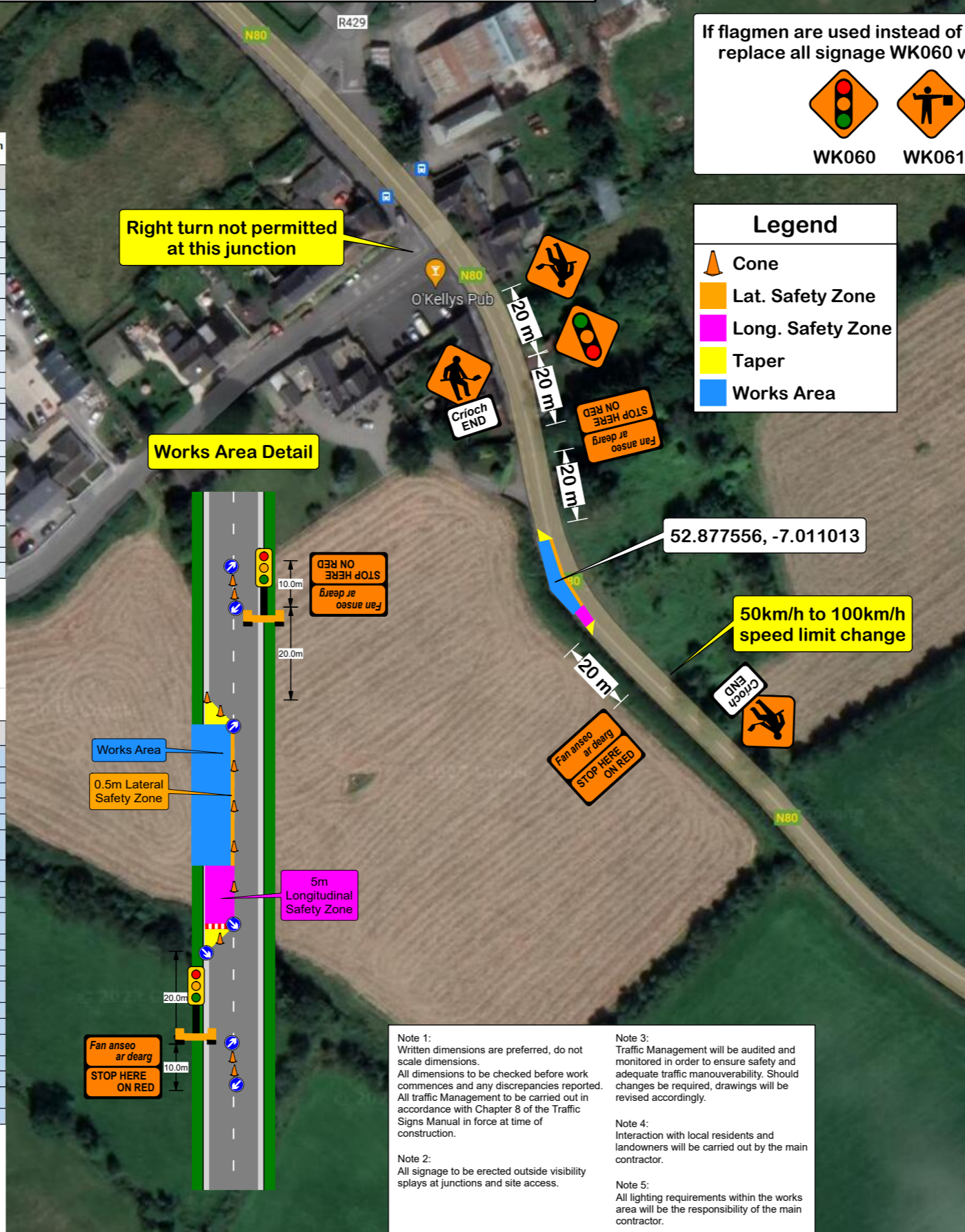
If flagmen are used instead of traffic lights, replace all signage WK060 with WK061



**Legend**

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

- Manifest**
- 18 x Cone
  - 5 x RUS 001 Keep Left
  - 4 x WK 001 Roadworks Ahead
  - 3 x WK 060 Temporary Traffic Signals
  - 2 x P 010 End
  - 2 x Portable lane control
  - 2 x RUS 002 Keep Right
  - 2 x WK 095 Stop Here on Red
  - 1 x RUS014 No Overtaking
  - 1 x W 185 Barrier Board



Right turn not permitted at this junction

Works Area Detail

52.877556, -7.011013

50km/h to 100km/h speed limit change

- 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.



Advanced warning signage for 100km/h southern approach

Mercedes Sprinter Van Sales