



Date: 15/11/2022 **Author:** THM/JC **Project:** KLS7142

Comments:

Traffic Management Plan to enable KLS with works on the R445/R423 at Mountrath in Co. Laois.

| 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 |
|--|-------------------|-------------------|------------------|
| Advance Warning Signage | | | |
| 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 | - |
| Taper | | | |
| Lane Taper Rate ^A | 1 in 5 | 1 in 5 | - |
| Hard Shoulder Taper Rate ^A | - | - | - |
| Cones | | | |
| Cone Height (mm) | 750 | 750 | - |
| Taper Spacing (m) ^B | 3 | 3 | - |
| Longitudinal Spacing (m) ^B | 3 | 3 | - |
| Lamps (unlit areas only) | | | |
| Taper Spacing (m) | 6 | 6 | - |
| Longitudinal Spacing (m) | 6 | 6 | - |
| Safety Zones | | | |
| Longitudinal (m) | 5 | 5 | - |
| Lateral (m) | 0.5 | 0.5 | - |
| Lanes | | | |
| Lane Width (m) ^C | 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.

Works area to be moved to other junction approaches under an ALL STOP with approach signage adjusted accordingly to enable completion of works.

53.003352, -7.474907

| Manifest |
|-------------------------------------|
| 38 x Cone |
| 7 x RUS 001 Keep Left |
| 7 x WK 001 Roadworks Ahead |
| 3 x P 010 End |
| 3 x RUS 060 Stop and Go Disk - STOP |
| 3 x RUS 061 Stop and Go Disk - GO |
| 3 x WK 061 Flagman Ahead |
| 3 x WK 095 Stop Here on Red |
| 2 x RUS 002 Keep Right |
| 1 x P 003R 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 plays 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.

