



Date: 11/08/2023 **Author:** THM/JC **Project:** THM5899

Comments:
Traffic Management Plan to enable THM with works on the R445 Mountrath Road in Portlaoise, Co. Laois.

| Manifest |
|------------------------------------------|
| 44 x Barrier |
| 7 x WK 001 Roadworks Ahead |
| 4 x WK 082 Temporary Pedestrian Crossing |
| 3 x P 010 End |
| 2 x P 003L Direction |
| 2 x WK 032 Road Narrows on Left |
| 2 x WK 033 Road Narrows on Right |
| 1 x WK 080 Pedestrians Cross on Left |
| 1 x WK 081 Pedestrians Cross on Right |

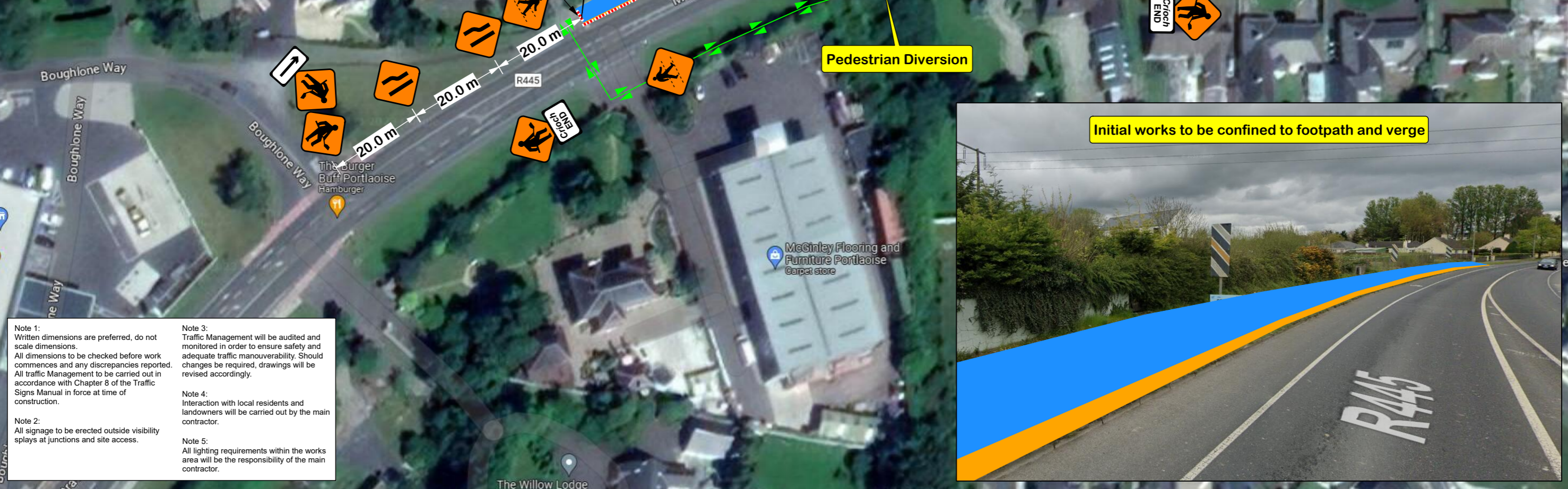
Table 1.1.1.4: Minimum Design Parameters for Level 1(iv) Roads Single Carriageway of 60km/h & Multi-lane / Dual ≤ 60km/h

| 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) | 60 | 60 | 60 |
| Number of Signs | 3 | 2 | - |
| Cumulative Distance (m) | 60 | 40 | - |
| Distance between Advance Warning Signs (m) | 20 | 20 | - |
| Taper | | | |
| Lane Taper Rate ^A | 1 in 10 | 1 in 10 | - |
| Hard Shoulder Taper Rate ^A | - | - | - |
| Transition Length (m) | 2 x Taper Length | 2 x Taper Length | - |
| Cones | | | |
| Cone Height (mm) | 750 | 750 | - |
| Taper Spacing (m) ^B | 3 | 3 | - |
| Longitudinal Spacing (m) ^B | 6 | 6 | - |
| Lamps (unlit areas only) | | | |
| Taper Spacing (m) | 6 | 6 | - |
| Longitudinal Spacing (m) | 12 | 12 | - |
| Safety Zones | | | |
| Longitudinal (m) | 15 | 15 | - |
| Lateral (m) | 0.5 | 0.5 | - |
| Lanes | | | |
| Lane Width (m) ^C | 3 (2.5) | 3 (2.5) | - |
| Two-way Roadway Width (m) | 5 | 5 | - |

Legend

- Barrier
- Lat. Safety Zone
- Works Area

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.



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 displays 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.