



Traffic cone spacings and tapers to be set-out in accordance with the DoT TSM

| Design Parameters                  | Roadworks Type A (Full-Time) | Roadworks Type B (Part-Time) | Roadworks Type C (Short Duration) |
|------------------------------------|------------------------------|------------------------------|-----------------------------------|
| Speed Limit                        | 80km/h or 100km/h            |                              | 80km/h or 100km/h                 |
| Temporary Signs                    |                              |                              |                                   |
| Sign Visibility (m)                | 120                          |                              | 120                               |
| Number of Signs                    | 4                            |                              | 3                                 |
| Cumulative Distance (m)            | 800                          |                              | 600                               |
| Distance between advance signs (m) | 200                          |                              | 200                               |
| Minimum Rate of Taper              |                              |                              |                                   |
| Taper at Lane (m)                  | 1 in 55                      |                              | 1 in 40                           |
| Taper at Hard Shoulder (m)         | 1 in 30                      |                              | 1 in 20                           |
| Maximum Lamp Spacing               |                              |                              |                                   |
| At Taper (m)                       | 6                            |                              | 6                                 |
| Longitudinal (m)                   | 12                           |                              | 12                                |
| Maximum Cone Spacing               |                              |                              |                                   |
| At Tapers (m)                      | 3                            |                              | 3                                 |
| Longitudinal (m)                   | 12                           |                              | 12                                |
| Cone Height (mm)                   | 750                          |                              | 750                               |
| Safety Zone                        |                              |                              |                                   |
| Longitudinal (m)                   | 60                           |                              | 45                                |
| Lateral (m)                        | 1.2                          |                              | 1.2                               |
| Minimum Lane Width                 |                              |                              |                                   |
| Min Lane Width (m)                 | 3                            |                              | 3                                 |

**Notes:**

1. Refer to Section 8.3.2 for definition of design parameters.
2. 45 degree taper is required at active temporary traffic controlled layouts with cones at 1m centres.
3. Cone spacing shown is the maximum permitted. Where geometry or any other site specific reason dictates the spacing shall be reduced accordingly.
4. The optimum lane width for all classes of vehicles is 3.25m. This may be reduced to a minimum of 3.0m. 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. Refer to paragraphs 8.3.1.2 to 8.3.1.4 of the department of Transport Traffic Signs Manual.

**EXTRACT FROM THE DoT TRAFFIC SIGNS MANUAL TABLE 8.3.2 FOR SINGLE CARRIAGEWAY UP TO 100km/h**



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|  |                 |             |       |
|--|-----------------|-------------|-------|
| <b>Project:</b> Ballyteige SID                                       |                 |             |       |
| <b>Client:</b> Renewable Energy Systems (RES) Ltd                    |                 |             |       |
| <b>Drawing:</b> Traffic Management General Arrangement Up to 100km/h |                 |             |       |
| <b>Project No.:</b> NEO01104   |                 |             |       |
| <b>Drawing No.:</b> NEO01020_0191_A Figure 6.5                       |                 |             |       |
| Drawn JM   | Checked MM      | Approved PN |       |
| Scale NTS@A3   | Date 22/03/2023 | Status PLAN | Rev A |

**Notes:**

1. Works to be carried out in accordance with all relevant Local Authorities and contract requirements.
2. Sequence of works to be agreed on site.
3. Ideally a c.3m wide single lane traffic width (minimum 2.5m) to be maintained at all times with Traffic Management Operatives (TMO) to marshal larger HGVs when required.
4. All signs to be reflective.
5. Exact sign positions to be agreed on site.
6. Existing statutory signs are to be protected if they do not conflict with proposed signage, otherwise existing signs should be covered or temporarily relocated.
7. All traffic cones shall conform to BSN EN 13422:2004 and have a reflective sleeve.
8. Minimum height of cones to be 750mm.
9. Appropriate safety zones, lateral and longitudinal to be provided and maintained at all times.
10. Pedestrians are to be assisted by additional TMO's (Traffic Management Operatives) if required.
11. All accesses (pedestrian and vehicular) to be maintained at all times.
12. Temporary traffic signs, traffic delineators and road markings to be in accordance with 'The Traffic Signs Manual, Department of Transport November 2012' - Chapter 8.
13. Traffic Management illustrated for Planning Purposes Only and will be subject to detailed Individual Traffic Management Plans for each element of the project.
14. Sign number WK 060 (Temporary Traffic Signals) or WK 061 (Flagman Ahead) to be used as appropriate subject to agreement with the Local Authorities.
15. Advance warning signage to be provided in advance of and during the works to warn road users of upcoming and ongoing trenching works