

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

PLANNING SECTION RECEIVED
07 APR 2021
LONGFORD COUNTY COUNCIL

TYPICAL TRAFFIC MANAGEMENT LAYOUT FOR SINGLE CARRIAGEWAY UP TO 60km/h

Design Parameters	Roadworks Type A (Full-Time)	Roadworks Type B (Part-Time)	Roadworks Type C (Short Duration)
	Speed Limit	50 or 60km/h	Temporary Signs
Sign Visibility (m)	50		50
Number of Signs	3		2
Cumulative Distance (m)	75		50
Distance between advance signs (m)	25		25
Minimum Rate of Taper			
Taper at Lane (m)	1 in 15		1 in 5
Taper at Hard Shoulder (m)	1 in 10		1 in 5
Maximum Lamp Spacing			
At Taper (m)	6		6
Longitudinal (m)	12		12
At Tapers (m)	3		3
Longitudinal (m)	6		6
Cone Height (mm)	750		750
Safety Zone			
Longitudinal (m)	25		5
Lateral (m)	0.5		0.5
Minimum Lane Width			
Min Lane Width (m)	3		3

Notes:

- Refer to Section 8.3.2 for definition of design parameters.
- 45 degree taper is required at active temporary traffic controlled layouts with cones at 1m centres.
- Cone spacing shown is the maximum permitted. Where geometry or any other site specific reason dictates the spacing shall be reduced accordingly.
- 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.

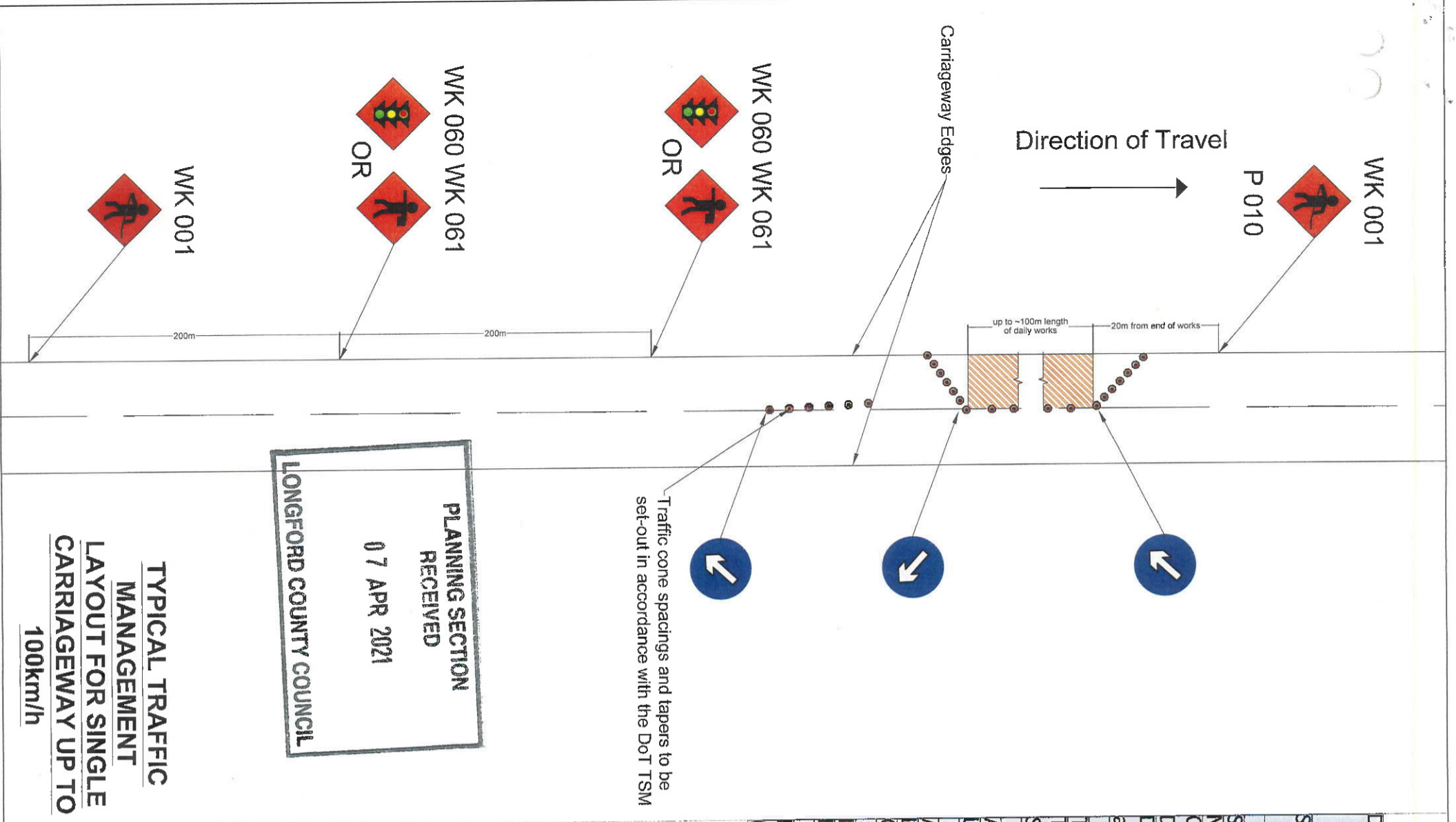
EXTRACT FROM THE DOT TRAFFIC SIGNS MANUAL TABLE 8.3.2 FOR SINGLE CARRIAGEWAY UP TO 60km/h

Notes:

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



Project: Cleggill Solar Farm
Client: Shannon Energy
Drawing: Traffic Management General Arrangement Up to 60km/h
Project No.: NEO00798
Drawing No.: NEO00798_0051 A Figure 5
Scale: 1:500
Date: 21/07/2021
Status: PLAN
Approved: PN
Rev: A



TYPICAL TRAFFIC MANAGEMENT LAYOUT FOR SINGLE CARRIAGEWAY UP TO 100km/h

PLANNING SECTION RECEIVED
07 APR 2021
LONGFORD COUNTY COUNCIL

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	120
Number of Signs	4	3	3
Cumulative Distance (m)	800	600	600
Distance between advance signs (m)	200	200	200
Minimum Rate of Taper			
Taper at Lane (m)	1 in 55	1 in 40	1 in 40
Taper at Hard Shoulder (m)	1 in 30	1 in 20	1 in 20
Maximum Lamp Spacing			
At Taper (m)	6	6	6
Longitudinal (m)	12	12	12
Maximum Cone Spacing			
At Tapers (m)	3	3	3
Longitudinal (m)	12	12	12
Cone Height (mm)	750	750	750
Safety Zone			
Longitudinal (m)	60	45	45
Lateral (m)	1.2	1.2	1.2
Minimum Lane Width			
Min Lane Width (m)	3	3	3

Notes:

- Refer to Section 8.3.2 for definition of design parameters.
- 45 degree taper is required at active temporary traffic controlled layouts with cones at 1m centres.
- Cone spacing shown is the maximum permitted. Where geometry or any other site specific reason dictates the spacing shall be reduced accordingly.
- 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

Notes:

- Works to be carried out in accordance with all relevant Local Authorities and contract requirements.
- Sequence of works to be agreed on site.
- 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.
- All signs to be reflective.
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- Advance warning signage to be provided in advance of and during the works to warn road users of upcoming and ongoing trenching works



Project: Cleggill Solar Farm
Client: Shannon Energy
Drawing: Traffic Management General Arrangement Up to 100km/h
Project No.: NEO00798
Drawing No.: NEO00798_0061_A Figure 6
Drawn: JH
Checked: MM
Scale: NTS@A3
Date: 21/03/2021
Status: PLAN
Approved: PN
Rev: A