

SCHEDULE 1

Article 3(a) and (b)

PARTICULARS OF THE BARRIERS, LIGHTS, TRAFFIC SIGNS AND OTHER DEVICES

1. Cattle-cum-trespass guards of standard railway design shall be provided adjacent to the ground, which is made-up to the level of the carriageway. The guards shall extend the full distance between the fence on each side of the railway.

2. A barrier shall be pivoted as close to the railway as practicable on the left-hand side of the road on each approach to the crossing.

3. It shall be possible to raise and lower the barriers. When lowered, the barriers shall be as nearly horizontal as possible, be as nearly as possible at right angles to the centre line of the carriageway and shall extend across the left hand side of the road. The tip of each barrier shall extend to a point within 800mm of the centre of the carriageway and no closer than 150mm a clear exit of at least 3 metres width shall be left to the right hand edge of the carriageway.

4. When the barriers are fully lowered their uppermost surfaces shall be not less than 900mm above the road surface at the centre of the carriageway and the under-clearance between the barriers and the road surface shall not exceed 1000mm.

5. When in the fully raised position the barriers shall be inclined towards the carriageway at an angle of between 5 and 10 degrees from the vertical. No part of either barrier or of any attachment thereto which is less than 5 metres above the level of the carriageway shall be horizontally displaced from the nearer edge of the carriageway by less than 450mm. No part of any barrier or any attachment thereto which in either case is less than 2 metres above the level of the footway shall normally be horizontally displaced from that edge of the footway further from the carriageway by less than 150mm.

6. The barriers shall be as light as possible but shall also be strong enough to prevent distortion or fracture likely to be caused by wind pressure. It shall be possible to raise them by hand. The barriers shall be at least 125mm deep at their mid-point and at least 75mm deep at their tip.

7. Two electric lamps, or equivalent (light emitting diodes) each of not less than 5 watts nominal rating and with lenses of not less than 50mm diameter, shall be fitted to each barrier, one within 150mm of its tip, and the other near its centre. When illuminated, the lamps shall show a red light in each direction along the carriageway.

8. The barriers shall display on both front and rear faces alternate red and white bands each approximately 600mm long and to the full depth of the barriers. A band of red retro-reflecting material not less than 50mm deep shall be provided along the full length of each red band.

9. Suitable screening shall be provided for each barrier machine to guard against danger to persons from the operating mechanisms and moving parts of the machine.

10. A traffic light signal of the size, colour and type shown in Diagram 3014 of the Regulations shall be provided on the left hand side of the road on each approach to the crossing and as close as practicable to the barrier. There shall be an additional traffic light signal of the same type on the right hand side of the road on each approach to the crossing so located as to be either in line with or on the railway side of the stop line mentioned in paragraph 12. The traffic light signals on each side of the railway shall be positioned so as to face outwards from the crossing towards approaching road traffic. All the signals shall be capable of directional adjustment.

11. An audible warning device shall be provided on or adjacent to each left hand side traffic light signal post on each approach to the crossing. Facilities shall be provided to reduce the sound output of these devices and any reduced sound output of these devices to suit local day and night conditions.

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12. A reflectorised stop line of the size and type shown in Diagram 1001 in the Regulations shall be provided across the left hand side of the carriageway on each approach to the crossing approximately 1 metre before the left hand side traffic light signal.

13. A reflectorised pedestrian stop line of the size and type shown in Diagram 1003.2 in the Regulations shall be provided across the right hand side of the carriageway on each approach to the crossing and any made-up ground on both sides of the carriageway on both sides of the railway. The line shall be not less than 1 metre before the right hand side traffic light signal and not nearer than 2 metres to the running edge of the nearest rail and shall be as nearly as possible at right angles to the centre line of the carriageway.

14. Where the road passes over the crossing, reflectorised edge of carriageway road markings of the size and type shown in Diagram 1012.1 in the Regulations shall be provided along each edge of any made-up ground along each edge of the carriageway.

15. The centre line of the carriageway shall be marked on the crossing between the stop lines mentioned in paragraph 12 and for a distance of 15 metres on each side of the railway measured along the centre of the carriageway from stop lines with a reflectorised warning road marking of the size and type shown in Diagram 1004.1 in the Regulations.

16. A traffic sign of the size, colour and type shown in Diagram 775 in the Regulations shall be provided below or adjacent to each traffic light signal post and shall face outwards from the crossing towards approaching road traffic.

17. A traffic sign of the size, colour and type shown in Diagram 784 in the Regulations shall be provided on the left-hand side of each road approach to the crossing facing traffic approaching the crossing. Below this a traffic sign of the size, colour and type shown in Diagram 786 in the Regulations shall be provided facing traffic approaching the crossing.

18. A traffic sign of the size, colour and type shown in Diagram 770 in the Regulations shall be provided on the left-hand side of each road approach to the crossing facing traffic approaching the crossing. Below this a traffic sign the size, colour and type shown in Diagram 773 in the Regulations shall be provided facing traffic approaching the crossing.

19. A traffic sign of the size, colour and type shown in Diagram 786 in the Regulations shall be provided on the left-hand side of the road on each side of the railway facing traffic leaving the crossing.

20. A telephone mounted in a weather-proof box connected to the monitoring Signal Box at Belfast shall be provided on or adjacent to the traffic light signal post on the right hand side of the road on each approach to the crossing. A traffic sign of the size, colour and type shown in Diagram 787 in the Regulations shall be provided on the face of the telephone box.

21. Two independent power supplies shall be provided at the crossing, one of which may consist of standby batteries of sufficient capacity to operate the whole installation for 12 hours.

22. “the Regulations” means the Traffic Signs Regulations (Northern Ireland) 1997(1).

(1) S.R. 1997 No. 386: relevant amending Regulations are S.R. 1999 No. 484