

1984 No. 36

## ROAD AND RAILWAY TRANSPORT

## Level Crossing (Jordanstown) Order (Northern Ireland) 1984

Made . . . . . 7th February 1984

Coming into operation . . . . . 22nd March 1984

To be laid before Parliament under paragraph 3(3) of Schedule 1  
to the Northern Ireland Act 1974

The Department of the Environment, in exercise of the powers conferred by section 66 of the Transport Act (Northern Ireland) 1967(a) and now vested in it(b) and of all other powers enabling it in that behalf, having received from the railway undertaking an application under the said section 66, hereby makes the following Order:

*Citation, commencement and interpretation*

1.—(1) This Order may be cited as the Level Crossing (Jordanstown) Order (Northern Ireland) 1984 and shall come into operation on 22nd March 1984.

(2) In this Order “the crossing” means the Jordanstown Level Crossing in the townland of Jordanstown and County of Antrim whereby the road known as Station Road is crossed by the railway between Belfast and Greenisland stations.

*Suspension of Railway Acts*

2. While this Order remains in force—

- (a) section 47 of the Railways Clauses Consolidation Act, 1845(c) (provision in cases where roads are crossed on a level);
- (b) section 6 of the Railways Clauses Act, 1863(d) (company to erect lodge at point of crossing);
- (c) any other transferred provision incorporating requirements to the same or similar effect as those contained in the enactments mentioned in paragraphs (a) and (b);

shall cease to apply to the crossing.

*Provision of automatic equipment*

3. The railway undertaking shall at the crossing—

- (a) provide, maintain and operate the barriers, lights and other automatic devices, excluding traffic signs, specified in Schedule 1 and shall give notice in writing to the Department of the Environment as soon as the provision thereof is complete;
- (b) secure the provision, maintenance and operation by that Department of the traffic signs specified in Schedule 1;
- (c) comply with the conditions and requirements specified in Schedule 2.

(a) 1967 c. 37 (N.I.)

(b) Formerly the Ministry of Development: See S.R. & O. (N.I.) 1973 No. 504 Art. 4

(c) 1845 c. 20

(d) 1863 c. 92

Sealed with the Official Seal of the Department of the Environment for Northern Ireland on 7th February 1984.

(L.S.)

*J. M. Irvine*

Assistant Secretary

## SCHEDULE 1

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

1. On the north side of the road there shall be a footway and on the south side of the road there shall be made-up ground to the extent of not less than 1 metre.
2. 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 the Larne side of the railway and between the platform ramps on the Belfast side of the railway.
3. A barrier shall be pivoted as close to the railway as practicable on the nearside of the road on each side of the railway.
4. It shall be possible to raise and lower the barriers. When lowered the barriers shall be as nearly horizontal as possible, shall be as nearly as possible at right angles to the centre line of the carriageway and shall extend across the nearside of the carriageway and any adjacent footway. The tip of each barrier shall extend to a point between 150mm and 450mm from the centre of the carriageway and a clear exit of at least 3 metres of carriageway width shall be left to the offside edge of the carriageway.
5. When lowered, the uppermost surface of the barriers 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.
6. 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 and no part of either barrier or of any attachment thereto which is less than 2 metres above the level of either footway shall be horizontally displaced from the edge of the footway further from the carriageway by less than 150mm.
7. The barriers shall be as light as possible but shall also be strong enough to prevent distortion of fracture likely to be caused by wind pressure. It shall be possible to raise them by hand.
8. Two electric lamps, 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.
9. 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.
10. Suitable screening shall be provided for each barrier machine to guard against danger to persons from the operating mechanism and moving parts of the machine.
11. A traffic light signal as prescribed by regulation 13(4) of the Regulations shall be provided adjacent to each barrier pivot post not more than 1 metre before the barrier. There shall be an additional traffic light signal of the same type on the offside of the road on each side of the railway so located as to be either in line with or on the railway side of the stop line mentioned in paragraph 13. The traffic light signals on each side of the railway shall be so positioned as to face outwards from the crossing towards approaching road traffic. All the signals shall be capable of directional adjustment.
12. An audible warning device shall be provided on or adjacent to each barrier pivot post to warn pedestrians that the barriers are about to be lowered.
13. A reflectorised stop line of the size, colour and type shown in Diagram 1001 in the Regulations shall be provided across the nearside of the carriageway on each side of the railway not more than 2.5 metres before the nearside traffic light signal.
14. A reflectorised pedestrian stop line of the size, colour and type shown in Diagram 1003.2 in the Regulations shall be provided across the offside of the carriageway and across the footways on both sides of the railway. The line shall be not less than 1 metre before the traffic light signal on the same side of the carriageway 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.

15. Where the road passes over the crossing, reflectorised edge of carriageway road markings of the size, colour and type shown in Diagram 1011 in the Regulations shall be provided along each edge of any made-up ground along each edge of the carriageway.
16. The centre line of the carriageway shall be marked on the crossing between the stop lines mentioned above and for a distance of 12 metres on each side of the railway measured along the centre of the carriageway from the stop lines, with a reflectorised double continuous line road marking of the size, colour and type shown in Diagram 1013.1 in the Regulations. The centre line shall be continued for a distance of 18 metres on each side of the railway measured along the centre of the carriageway from the ends of the double continuous line with a reflectorised double continuous line and broken line of the size, colour and type shown in Diagram 1013.1 in the Regulations wherein the continuous line is on the nearside of the broken line.
17. A traffic sign of the size, colour and type shown in Diagram 863 in the Regulations shall be provided on each side of the road on each side of the railway, mounted below or adjacent to the traffic light signal and shall face outwards from the crossing towards approaching road traffic.
18. A traffic sign of the size, colour and type shown in Diagram 828.2 in the Regulations shall be provided on or adjacent to the offside traffic light signal on each side of the railway angled to face drivers of vehicles halted at the stop line.
19. A traffic sign of the size, colour and type shown in Diagram 649.1 in the Regulations shall be provided on each road approach to the crossing facing traffic approaching the crossing.
20. A telephone mounted in a cabinet and connected to Greenisland Signal Box shall be provided on or adjacent to the offside traffic light signal post on each side of the railway. A traffic sign of the size, colour and type shown in Diagram 854 in the Regulations shall be provided on the door and on at least two of the other faces of the cabinet. Suitable illuminated notices giving instructions to users shall be provided and maintained in each cabinet.
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 twelve hours.
22. In this Schedule—
  - “nearside” means the left-hand side of the road or carriageway in relation to a person approaching the crossing along the road or carriageway;
  - “offside” means the right-hand side of the road or carriageway in relation to any such person;
  - “the Regulations” means the Traffic Signs Regulations (Northern Ireland) 1979(a).

## SCHEDULE 2

## CONDITIONS AND REQUIREMENTS TO BE OBSERVED BY THE RAILWAY UNDERTAKING

1. The carriageway shall be approximately 5.5 metres wide at the crossing.
2. The ground at the two edges of the carriageway over the crossing shall be made-up to the level of the carriageway for a distance of not less than 1 metre beyond each edge.
3. The surface of the carriageway and footways over the crossing shall be maintained in good and even condition.
4. The barriers shall be kept in the fully raised position except during the time when engines, carriages or other vehicles passing along the railway have occasion to cross the road.
5. The electric lamps on each barrier mentioned in Schedule 1 shall be lit at all times except when the barriers are in the fully raised position.
6. If the road approaches to the crossing are lit, the crossing shall be lit to at least the same standard.
7. Visual indicators and an audible alarm shall be provided in Greenisland Signal Box. The indicators shall show when the barriers are raised and when the main power supply is available and the alarm shall sound if a period of approximately 3 minutes elapses and there is no indication that the barriers are raised.
8. The barriers, the traffic light signals and the audible warning devices mentioned in Schedule 1 shall be activated automatically by the approach of a train but means shall also be provided at the crossing for their manual operation and control.
9. When the train either occupies a track circuit or operates a treadle, the traffic light signals and the audible warning devices shall begin to operate and the barriers shall be lowered in accordance with the following sequence:—
  - (a) The amber lights shall show and the audible warning shall begin. The lights shall show for approximately 3 seconds.
  - (b) Immediately the amber lights are extinguished the intermittent red lights shall begin to show.
  - (c) 4 to 8 seconds later the barriers shall begin to descend and shall take a further 6 to 8 seconds to reach the lowered position.
  - (d) Not less than 27 seconds shall elapse between the time when the amber lights first show and the time when the train reaches the crossing.
  - (e) The intermittent red lights shall continue to show and the audible warning devices shall continue to sound until the barriers have begun to rise, and both shall be switched off before the barriers have risen to an angle of 45 degrees above the horizontal.
10. The barriers shall both rise as soon as the train has passed the crossing provided that if another train is approaching the crossing, they shall only be raised if a minimum of 10 seconds, reckoned from the time they begin to rise, can elapse before the arrangements detailed in paragraph 9 are due to recommence.
11. In the event of failure of all the intermittent red lights facing in one direction or of a total power failure both barriers shall descend under gravity or remain lowered as the case may be. If, after the barriers have begun to lower, one barrier fails to reach the lowered position neither barrier shall rise until both have been fully lowered. If either barrier fails to rise from the lowered position the road traffic light signals shall continue to show.

EXPLANATORY NOTE

*(This note is not part of the Order.)*

This Order provides for an automatic half barrier crossing in place of manually operated crossing gates at the Jordanstown railway level crossing. It also provides for the maintenance of that level crossing.

---

1984 No. 37

This Order has been exempted from printing by the Statutory Rules (Northern Ireland) Order 1979. A summary is given in the List of Statutory Rules of a Local Character under the heading ROADS.