



LEVEL CROSSINGS ACT 1983

THE NETWORK RAIL BARMOUTH SOUTH LEVEL CROSSING ORDER 2024

Made on 4th November 2024

Coming into force on 4th November 2024

The Secretary of State for Transport, having been requested by Network Rail Infrastructure Ltd ("the operator") to make an Order under section 1 of the Level Crossings Act 1983¹ ("the Act") makes the following Order in exercise of his powers under the Act and of all other enabling powers, in accordance with the draft Order which accompanied the request subject to those modifications the Secretary of State thought fit to make.

1. This Order may be cited as the Network Rail Barmouth South Level Crossing Order 2024 and shall come into force on 4th November 2024.
2. In this Order:
 - a. "the carriageway" means the carriageway of the specified road, "the crossing" means the level crossing described in Schedule 1 to this Order, "the Regulations" means the Traffic Signs Regulations and General Directions 2016², "the specified road" means the road which crosses the railway at the crossing;
 - b. the expressions "left-hand side" and "right-hand side" shall be construed as they would appear to a person approaching the crossing along the specified road;
 - c. where a traffic sign is required to be of the size, colour and type shown in a Diagram number in the Regulations, that requirement may be satisfied by a similar traffic sign, incorporating information shown in both the English and Welsh languages, of the size, colour and type shown in the relevant drawing referred to in the traffic signs authorisation relating to level crossings in Wales.

¹ 1983 c.16

² SI 2016 No.362

3. The following provisions, being provisions which in the opinion of the Secretary of State are necessary or expedient for the safety or convenience of those using the crossing, apply in respect of the crossing:

- a. the operator shall provide, operate and maintain the protective equipment which is specified in Part 1 of Schedule 2 to this Order;
- b. the operator shall observe the conditions and requirements specified in Part 2 of Schedule 2 to this Order;
- c. the local traffic authority shall provide and maintain the protective equipment specified in Part 1 of Schedule 3 to this Order; and
- d. the local traffic authority shall observe the conditions and requirements specified in Part 2 of Schedule 3 to this Order.

4. The Traffic Signs Regulations and General Directions 2016³ shall apply to any traffic sign specified in Schedule 3 to this Order as they would to a sign caused or permitted to be placed by a highway authority.

5. The British Railways Barmouth Level Crossing Order 1988 is revoked.

Signed by authority of the Secretary of State on 4th November 2024



Thomas Wake
Head of Mainline Inspection North, Railway Safety
Office of Rail and Road

³ SI 2016 No.362

SCHEDULE 1

The crossing

The level crossing known as Barmouth South, where Beach Road is crossed by the railway adjacent to Barmouth Station.

At National Grid Reference SH 612 158.

The local traffic authority at the time of making this Order is Gwynedd Council.

SCHEDULE 2, PART 1

Article 3a of the Order - Particulars of protective equipment provided by the operator

1. A lifting barrier shall be pivoted as close to the railway as practicable on both sides of the specified road on each side of the railway.
2. When lowered the barriers shall be as nearly horizontal as possible and shall extend across the full width of the carriageway and the footways.
3. When lowered, the tops of the barriers shall be at least 900 millimetres above the road surface at the centre of the carriageway. The clearance between the bottom edge of the lowered barrier and the road surface at the centre of the carriageway shall not exceed 1000 millimetres.
4. 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 any 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 450 millimetres, and no part of any barrier or of any attachment thereto which is less than 2 metres above the level of the footway shall be horizontally displaced from that edge of the footway furthest from the carriageway by less than 150 millimetres.
5. The barriers shall be as light as possible but shall also be strong enough to prevent foreseeable distortion or fracture likely to be caused by wind pressure.
6. The barriers shall be fitted with skirts arranged so that when the barriers are lowered, the skirts fence in effectively the space between the barriers and the ground.
7. The barriers shall display on both front and rear faces alternate red and white bands each approximately 600 millimetres long to the full depth of the barriers. A strip of retro-reflective material not less than 50 millimetres deep shall be provided along the full length of each band. The retro-reflective material shall be coloured the same as the band on which it is placed.
8. Suitable guards or other protection shall be provided for each barrier machine to prevent danger to persons from the operating mechanism and moving parts of the machine.
9. Three electric lights, to a suitable recognised standard, shall be fitted to each barrier, one within 150 millimetres of its tip, one near the edge of the carriageway and one near the centre point between the other two. When illuminated the lights shall show a red light in each direction along the carriageway, clearly indicating the position of the barriers.

10. A traffic light signal of the size, colour and type shown in Diagram 3014 in the Regulations shall be provided on the left-hand side of the carriageway on each approach to the crossing along the specified road 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 specified road on each side of the railway located either in line with, or on the railway side of, the stop line mentioned below. The traffic light signals on each side of the railway shall be positioned to face outwards from the crossing towards approaching road traffic. A further additional traffic light signal of the same type shall be provided at the south-western corner of the crossing angled to face traffic approaching from Marine Parade. All the signals shall be capable of directional adjustment.
11. An audible warning device for pedestrians shall be provided on or adjacent to the left-hand side traffic light signal posts. These devices shall be capable of volume adjustment to suit local requirements.
12. A stop line of the size, colour and type shown in Diagram 1001 in the Regulations shall be provided across the full width of the carriageway on each side of the railway not more than 1 metre before the left-hand side traffic light signal.
13. Where the specified road passes over the crossing, edge of carriageway markings of the size, colour and type shown in Diagram 1012.1 in the Regulations shall be provided along each side of the footway and the carriageway.
14. The centre line of the carriageway shall be marked on the crossing between the stop lines mentioned above with a double continuous line road marking of the size, colour and type shown in Diagram 1013.1A in the Regulations.
15. The carriageway over the crossing shall be marked with a yellow 'box' marking of the size, colour and type shown in Diagram 1045 in the Regulations.
16. A traffic sign of the size, colour and type shown in Diagram 775 in the Regulations shall be provided on each side of the specified road on each side of the railway, mounted below or adjacent to the traffic light signals, and shall face outwards from the crossing towards approaching road traffic.
17. Facilities shall be provided at the crossing to operate the barriers and other protective equipment both locally and manually.
18. Lighting shall be provided at least to the same standard of lighting of the carriageway on the approaches to the crossing. The lighting shall be sufficient such that during the hours of darkness in conditions of normal visibility it can be seen by the train driver that the crossing is clear before the train proceeds over it.
19. Two independent power supplies shall be provided at the crossing, one of which may consist of batteries. In the event of a mains power failure, the capacity of the batteries shall be sufficient to operate: the barriers; the road traffic light signals; the audible warning devices; and the railway approach intermittent light signal mentioned below for a duration of not less than 12 hours, and also to operate both barriers to the fully raised position. The barriers shall remain in the fully raised position in the event of a total power failure.

20. A train driver's control unit and stop board of standard railway design displaying the words: "Stop – Ensure movement authority is extended. Then operate barriers and obtain white light before proceeding" shall be located on both the Up railway approaches to the level crossing and shall be provided with Class I retro-reflective material or illuminated. The driver's control unit shall be located so that the driver has clear view of the crossing from it.
21. A train driver's control wire shall be provided, mounted in a suitable position on the approach side of the stop boards on both the Down railway approaches to the level crossing. A stop board of standard railway design displaying the words: "Operate barriers and obtain white light before proceeding" shall be located on both the Down railway approaches and shall be provided with Class I retro-reflective material or illuminated. The wire shall be located so that the driver has clear view of the crossing from it.
22. The control point on the northern side of the railway shall have push buttons to:
- lower the barriers via the 'lower' push button;
 - raise the barriers via the 'raise' push button.
23. The control point on the southern side of the railway shall have facilities to enable the barriers to be lowered and for the lowering to be stopped by the train driver from the train.
24. The operator shall monitor the crossing during the closing sequence and shall take action to ensure persons or vehicles are not struck by the lowering barrier and do not become trapped on the crossing.
25. Indicators shall be provided at the control unit and shall show when:
- all the barriers are fully lowered;
 - all the barriers are fully raised;
 - at least one of the intermittent-red lights of the traffic light signals on each side of the railway is showing along the carriageway;
 - mains power supply is available.
26. A train driver's indicator light shall be provided in a suitable position on each railway approach to the crossing which, when lit, shall show an intermittent white light to indicate to the driver that the barriers are fully lowered and that the main power supply has not failed.
27. Facilities shall be provided at the control point and via the control wire system to enable the barriers to be stopped whilst they are being lowered or raised.
28. Cattle-cum-trespass guards of standard railway design shall be provided adjacent to both sides of the crossing surface. The guards shall extend the full distance between the fences on each side of the railway.

SCHEDULE 2, PART 2

Article 3b of the Order - Conditions and requirements to be observed by the operator

29. The surface of the carriageway and footways over the crossing shall be maintained in a good and even condition. The carriageway shall be approximately 7.7 metres wide and the footways approximately 1.8 metres wide.

30. The vertical profile of the carriageway over the crossing shall be maintained and, with the co-operation of the local traffic authority, kept consistent with the surface of the carriageway on the approaches to the crossing to ensure that any hump within the longest wheelbase of vehicles which may foreseeably use the crossing shall be less than 40 millimetres in excess of the 75 millimetres design maximum.

31. The barriers shall be kept in the fully raised position except when any train passing along the railway has occasion to cross the specified road, or it is necessary to operate the level crossing equipment for short periods for the purposes of maintenance or testing. The electric lights on each barrier shall be lit except when the barriers are fully raised.

32. When the push button on the control panel is pressed or the wire on the driver's control unit is pulled, the sequence shall be:

- 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 of the road traffic light signals shall show at the same time;
- c. 4 to 6 seconds later the left-hand side barriers shall begin to descend and shall take a further 6 to 10 seconds to reach the lowered position;
- d. the right-hand side barriers shall then begin to descend and shall take a further 6 to 10 seconds to reach the lowered position;
- e. the audible warning shall stop when the barriers are fully lowered.

33. When all the barriers have been lowered, provided the main power supply has not failed, the driver's indicator shall display an intermittent white light.

34. The barriers shall be raised simultaneously by the operation of a push-button or automatically when the train has passed clear of the crossing.

35. The red lights of the road traffic light signals shall continue to show and the audible warning continue to sound until the barriers have begun to rise. The lights shall be extinguished and the audible warning shall stop before the barriers have risen to an angle of approximately 45 degrees above the horizontal.

36. If any barrier fails to rise from the lowered position the intermittent red lights of the road traffic light signals shall continue to show.

37. In the event of the failure of both red lights in any of the road traffic light signals, provided the barriers have not commenced to lower, they shall remain in the fully raised position and the railway signal shall continue to show an intermittent red light. Should such a failure occur with the barriers in any position other than fully raised, they shall

lower and remain lowered until they are raised by either the passage of a train or locally/manually. In these circumstances the intermittent white light of the railway signal shall be extinguished and shall show an intermittent red light.

38. If the intermittent white light of the railway signal shows and the crossing is unobstructed, the train driver may be permitted to drive their trains towards and over the crossing at a speed not exceeding the speed indicated on the relevant board described above. If the intermittent red light of the railway signal continues to show, or if there is no light, or if the crossing is obstructed at the time the intermittent white light first shows, drivers shall bring their trains to a stand short of the crossing and may be permitted thereafter to proceed with caution when it is safe to do so.

39. Should a total power failure occur, provided the barriers have not commenced to lower, they shall remain in the fully raised position. If the barriers are in any other position when the failure occurs, they shall remain in that position until they are manually raised.

40. The operator shall periodically monitor the duration of closures of the crossing to road traffic, and shall take action to ensure that the closure times are normally such that 50 per cent of trains arrive at the crossing within 50 seconds of the commencement of the closure sequence, and 95 per cent arrive within 75 seconds.

41. The operator shall take the lead in developing with the local traffic authority an agreed long-term strategy regarding the continuing use of the crossing and the safety and convenience of users of the crossing. The strategy, which shall be reviewed periodically, shall take into account: incidents at the crossing; anticipated changes in use; all costs and consequences of continued operation; and shall consider what measures might be necessary or practicable to permit the crossing to be closed to road traffic.

42. The operator shall make appropriate arrangements for the legibility and visibility of road signs and road markings relating to the crossing for approaching road traffic to be checked periodically, and to draw any deficiencies to the attention of the local traffic authority.

43. The operator shall maintain communication links with local emergency services.

44. The operator shall give notice in writing to the Secretary of State as soon as the provisions of Articles 3a, 3b and 3c have been met.

SCHEDULE 3, PART 1

Article 3c of the Order - Particulars of protective equipment provided by the local traffic authority

45. The centre line of the carriageway shall be marked for a distance of approximately 7 metres on the eastern side and approximately 30 metres on the western of the railway measured along the centre of the carriageway from the stop line with a double continuous line road marking of the size, colour and type shown in Diagram 1013.1A in the Regulations.

46. At least one road marking of the size, colour and type shown in Diagram 1014 in the Regulations shall be marked on the carriageway in an appropriate position on the approach side of the road marking described above on the western side of the railway.

47. Traffic signs of the size, colour and type shown in Diagrams 770 and 773 (permitted variant) in the Regulations shall be provided together on the left-hand side of the carriageway on the western approach to the crossing in a suitable position facing approaching traffic. Additional traffic signs of the size, colour and type shown in Diagrams 770 and 773 (permitted variant) in the Regulations shall be provided together on the left-hand side of the carriageway in Marine Parade, Station Road and Jubilee Road in suitable positions facing approaching traffic.

SCHEDULE 3, PART 2

Article 3d of the Order - Conditions and requirements to be observed by the local traffic authority

48. The vertical profile and surface of the carriageway and footways approaching the crossing shall be maintained and, with the co-operation of the operator, kept consistent with the surface of the crossing and footways to ensure good and even passage of road traffic and pedestrians over the crossing.

49. Where a deficiency in visibility or legibility of a road traffic sign or road marking is identified by the operator, the local traffic authority shall take action to ensure that adequate visibility or legibility is restored.

50. The local traffic authority shall consult the operator before any traffic signs or other road equipment other than those specified in this Order are placed or caused to be placed on the road in the vicinity of the crossing.

51. The local traffic authority shall consult the operator when any significant permanent or temporary change occurs or is proposed which might affect to any significant extent the type, characteristic, likely behaviour or amount of road traffic using the crossing, or its ability freely to exit the crossing.

52. The local traffic authority shall take into account any records of incidents at or near the crossing made available by the operator in exercising its responsibilities in relation to the specified road in the vicinity of the crossing.

53. The local traffic authority shall periodically monitor the amount and characteristics of road traffic using the specified road and shall inform the operator where there is any significant change.

54. The local traffic authority shall co-operate with the operator in the preparation and periodic review of a long-term strategy in relation to the continued operation of the crossing.