

Our Reference: 102351
Your Reference: None

Motorway Development Division
Official Correspondence Team
National Highways
Woodlands
Manton Lane
Bedford
MK41 7LW

By Email

23 August 2021

Dear

Thank you for your email dated 26th July in which you raise four particular requests for information around ALR smart motorway schemes. We have considered your request under the Freedom of Information Act 2000.

You asked;

- 1. To date, which schemes have received approval to be converted to ALR smart motorway?**
- 2. Of those approved schemes, please confirm whether work has started and if so, the date upon which the work started.**
- 3. For each scheme, please confirm when approval was granted and whether the scheme has been designed to meet the design standard in the March 2020 Action Plan or to the older standards.**
- 4. Are there any schemes which are proposed to be converted to ALR smart motorway but which have not yet been granted approval? If so, please provide specific details of those schemes and any timescales within which approval is likely to be sought / given.**

The Government's programmes and first and second Road Investment Strategies (covering the period to March 2025) set out the all lane running (ALR) schemes planned for delivery. This covers the period through to March 2025.

The table below details the schemes, their construction status or start of work date, and the standard to which they were or are to be designed.

Below the table are further details of the standards.

Scheme	Construction status/start of work date	Design standard ¹
1. M1 J16-19	Complete	IAN 161/15
2. M1 J24-25	Complete	IAN 161/15
3. M1 J28-31	Complete	IAN 161/13
4. M1 J32-35a	Complete	IAN 161/13
5. M1 J39-42	Complete	IAN 161/13
6. M3 J2-4a	Complete	IAN 161/13
7. M5 J4a-6	Complete	IAN 161/15
8. M6 J2-4	Complete	IAN 161/15
9. M6 J11a-13	Complete	IAN 161/15
10. M6 J16-19	Complete	IAN 161/15
11. M20 J3-5	Complete	IAN 161/15
12. M23 J8-10	Complete	IAN 161/15
13. M25 J5-7	Complete	IAN 161/12
14. M25 J23-27	Complete	IAN 161/12
15. M62 J10-12	Complete	IAN 161/15
16. M62 J18-20	Complete	IAN 161/13
17. M27 J4-11	3 April 2018	IAN 161/15
18. M4 J3-12	27 March 2017	IAN 161/15
19. M6 J13-15	20 March 2018	IAN 161/15
20. M1 J13-16	13 June 2018	IAN 161/15
21. M56 J6-8	13 March 2020	IAN 161/15
22. M3 J9-14	13 January 2020	IAN 161/15, as amended by MPI 66
23. M40-M42 interchange	24 February 2020	IAN 161/15, as amended by MPI 66
24. M6 J21a-26 ²	22 March 2021	IAN 161/15
25. M25 J10-16	Not yet commenced	IAN 161/15, as amended by MPI 66
26. M62 J20-25	Not yet commenced	IAN 161/15, as amended by MPI 66

¹ We have taken early opportunity to install the latest emergency area signage and orange surfacing on all schemes that have opened, or will open, since the beginning of 2020 and have retrofitted these elements to the rest of the smart motorways network.

² In discussions with stakeholders and to reduce network disruption around Manchester, this scheme was rescheduled from an original start of construction date of 2018-19 Q4.

27. A1(M) J6-8 ¹	Not yet commenced	IAN 161/15 as amended by MPI 66
28. M4/M5 interchange	Not yet commenced	GD 302
29. M6 J4-5	Not yet commenced	GD 302
30. M6 J5-8	Not yet commenced	GD 302
31. M6 J8-10a	Not yet commenced	GD 302
32. M42 J4-7	Not yet commenced	GD 302
33. M62 J25-30	Not yet commenced	GD 302
34. M1 J10-13	Not yet commenced	GD 302

IAN 161 and GD 301 are the historic and current design standards for upgrading a motorway with a hard shoulder to all lane running (ALR).

GD 302 is the standard specifically for upgrading a dynamic hard shoulder (DHS) motorway to ALR. GD 302 refers to GD 301 for many elements.

- Design standard IAN 161/15 can be found here; <https://standardsforhighways.co.uk/dmr/archive/search/e50bf2b0-2d21-4694bc32-8dcc62c5353b>
- Design standard GD 302 can be found here; <https://www.standardsforhighways.co.uk/dmr/search/224452c9-3707-4bc59695-e23a7da6823d>
- A new standard, GD 301, was published as part of the Design Manual for Roads and Bridges (DMRB) in October 2020. This standard will be adopted on schemes entering the design phase from the publication date (October 2020). A link to the GD 301 standard can be found here; <https://www.standardsforhighways.co.uk/dmr/search/d8c7d4b1-8321-4fdf-b207400b54f4b73c>
- MPI 66 was an interim update to IAN 161/15. It introduced three key changes to the design requirements for future ALR schemes; i) spacing of places to stop in an emergency reduced from 1.5 miles to 1 mile, ii) a stopped vehicle detection system and iii) new emergency area signage and orange surfacing.
- Both IAN 161/15 and MPI 66 were superseded by GD 301.

¹ RIS1 scheme A1(M) junctions 6 to 8 rescheduled to a future road period as part of the Smart motorway evidence stocktake and action plan.



The second Road Investment Strategy (RIS), set in motion the process for investing further into the future and published a set of RIS3 (2025-30) pipeline schemes. There are three schemes listed which may be developed into committed schemes in RIS3. They are: M6 junctions 19-21a Knutsford to Croft; M1 junctions 35a to 39 Sheffield to Wakefield; and M1 North Leicestershire. Please note that it is possible other proposals may be added to the pipeline during the current RIS2 period. The Government will commit to the delivery of successful proposals in the pipeline through the publication of RIS3.

If you are unhappy with the way we have handled your request you may ask for an internal review. Our internal review process is available at:

<https://www.gov.uk/government/organisations/highways-england/about/complaintsprocedure>

If you require a print copy, please phone the Information Line on 0300 123 5000; or email info@highwaysengland.co.uk. You should contact our team if you wish to complain.

If you are not content with the outcome of the internal review, you have the right to apply directly to the Information Commissioner for a decision. The Information Commissioner can be contacted at:

Information Commissioner's Office
Wycliffe House
Water Lane
Wilmslow
Cheshire
SK9 5AF

Yours sincerely

**Motorway Development Division
Official Correspondence Team**