

High Speed Rail (Crewe – Manchester)

Background information and data accompanying SES1 and AP1 ES

Air quality

BID AQ-002-0MA05 SES1 and AP1 ES

MA05: Rislely to Bamfurlong

Additional data used in the air quality assessment

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Department for Transport

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1 Introduction

1.1 Structure of this report

- 1.1.1 This document sets out Background Information and Data (BID) that accompanies the High Speed Two (HS2) High Speed Rail (Crewe – Manchester) Supplementary Environmental Statement 1 (SES1) and Additional Provision 1 Environmental Statement (AP1 ES)¹ for the Risley to Bamfurlong area (MA05).
- 1.1.2 This document contains the traffic data that was used in the air quality assessment set out in the SES1 and AP1 ES.
- 1.1.3 In order to differentiate between the original scheme and the subsequent changes, the following terms are used:
- ‘the original scheme’ – the Bill scheme submitted to Parliament in January 2022, which was assessed in the main ES²;
 - ‘the SES1 scheme’ – the original scheme with the changes described in SES1 that are within the existing powers of the Bill; and
 - ‘the AP1 revised scheme’ – the original scheme as amended by the SES1 changes and AP1 amendments.

1.2 Methodology

- 1.2.1 Details of the methodology used are provided in the Environmental Impact Assessment Scope and Methodology Report (SMR)³ of the main ES.

¹ High Speed Two Ltd (2022), High Speed Rail (Crewe – Manchester), *Supplementary Environmental Statement 1 and Additional Provision 1 Environmental Statement*. Available online at: <https://www.gov.uk/government/collections/hs2-phase-2b-crewe-manchester-supplementary-environmental-statement-1-and-additional-provision-1-environmental-statement>.

² High Speed Two Ltd (2022), High Speed Rail (Crewe – Manchester), *Environmental Statement*. Available online at: <https://www.gov.uk/government/collections/hs2-phase2b-crewe-manchester-environmental-statement>.

³ High Speed Two Ltd (2022), High Speed Rail (Crewe – Manchester), *Environmental Statement, Environmental Impact Assessment Scope and Methodology Report*, Volume 5, Appendix: CT-001-00001. Available online at: <https://www.gov.uk/government/collections/hs2-phase2b-crewe-manchester-environmental-statement>.

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2 Construction traffic data

2.1.1 Table 1 presents the traffic flows used in the air quality assessment from construction related vehicles on the highway network.

Table 1: Highway network construction traffic flows in the Risley to Bamfurlong area (MA05)

Road ID	Start and end coordinates	Annual average daily traffic (AADT) flows		Heavy duty vehicle (HDV) flows		Notes
		2025 without the AP1 revised scheme	2025 with the AP1 revised scheme	2025 without the AP1 revised scheme	2025 with the AP1 revised scheme	
80096_81633, 85843_85840	363781, 392541 to 364034, 392654	84,169	84,597	7,170	7,370	–
80100_81433, 80098_81669	367334, 393293 to 372392, 395902	107,210	108,005	9,529	9,825	–
80107_80557, 80234_85848	362072, 393230 to 361712, 393501	94,224	96,274	15,603	16,455	–
80108_85866, 80104_85834	364800, 390537 to 365933, 389582	138,085	141,101	22,105	23,075	–
80217_80555, 80233_80393	358422, 396802 to 361043, 394268	103,807	105,853	15,887	16,739	–
80329_85843, 81633_85880	364298, 392753 to 364672, 392913	87,138	87,865	7,338	7,739	–
80330_85844	364173, 392671 to 363949, 392467	19,162	19,556	1,860	2,061	–
80331_85864, 80105_85733	366430, 388316 to 366329, 388735	152,956	156,246	22,139	23,109	–
80393_86006, 86007_80217	358254, 396939 to 358206, 396995	105,185	107,259	16,085	16,937	–
80419_80108, 80104_85834	364570, 390703 to 364800, 390537	138,085	141,101	22,105	23,075	–
80466_80223, 80418_80465	356299, 400875 to 356350, 400778	183,035	184,688	16,900	17,752	–
81433_85879, 85880_81432	367334, 393293 to 366492, 393194	88,852	89,386	8,230	8,525	–
81633_85880, 80097_80329	364034, 392653 to 366492, 393213	103,331	104,185	9,030	9,430	–
82186_87836, 87835_82185	356827, 402407 to 356863, 402059	77,930	78,994	1,663	2,515	–
85834_85846, 85837_85836	363804, 391510 to 363024, 392386	87,920	90,091	16,757	17,627	–
85836_80332, 80104_85834	363704, 391657 to 363893, 391423	109,990	112,422	19,404	20,274	–

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Road ID	Start and end coordinates	Annual average daily traffic (AADT) flows		Heavy duty vehicle (HDV) flows		Notes
		2025 without the AP1 revised scheme	2025 with the AP1 revised scheme	2025 without the AP1 revised scheme	2025 with the AP1 revised scheme	
85838_80096	363496, 392418 to 363781, 392541	44,749	45,140	4,123	4,323	–
85842_80107, 80234_85848	362188, 393139 to 362072, 393230	94,225	96,276	15,603	16,455	–
85846_85842, 80234_85848	363025, 392386 to 362188, 393139	82,109	84,107	15,366	16,177	–
85847_80419, 80104_85834	364569, 390702 to 364391, 390853	127,456	130,264	20,451	21,321	–
85848_85837, 85834_85846	363153, 392283 to 362778, 392650	91,461	93,632	16,757	17,627	–
85864_85863, 85866_80105	366330, 388736 to 366037, 389391	123,995	126,946	20,431	21,401	–
85974_80394, 80221_85973	356657, 399401 to 357792, 397852	95,537	97,190	12,911	13,763	–
86006_85975, 85976_86007	358207, 396996 to 357806, 397793	66,440	68,069	12,248	13,100	–
87838_80466, 80465_87835	356820, 402000 to 356303, 400877	65,124	66,188	1,613	2,465	–

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3 Operational traffic data

3.1.1 Operational impacts were not modelled for the Risley to Bamfurlong area (MA05).

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4 References

High Speed Two Ltd (2022), High Speed Rail (Crewe – Manchester), *Supplementary Environmental Statement 1 and Additional Provision 1 Environmental Statement*. Available online at: <https://www.gov.uk/government/collections/hs2-phase-2b-crewe-manchester-supplementary-environmental-statement-1-and-additional-provision-1-environmental-statement>.

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