

High Speed Rail (Crewe – Manchester)

Background information and data accompanying SES1 and AP1 ES

Air quality

BID AQ-002-0MA04 SES1 and AP1 ES

MA04: Broomedge to Glazebrook

Additional data used in the air quality assessment

High Speed Rail (Crewe – Manchester)

Background information and data accompanying SES1 and AP1 ES

Air quality

BID AQ-002-0MA04 SES1 and AP1 ES

MA04: Broomedge to Glazebrook

Additional data used in the air quality assessment



Department for Transport

High Speed Two (HS2) Limited has been tasked by the Department for Transport (DfT) with managing the delivery of a new national high speed rail network. It is a non-departmental public body wholly owned by the DfT.

High Speed Two (HS2) Limited
Two Snowhill
Snow Hill Queensway
Birmingham B4 6GA

Telephone: 08081 434 434

General email enquiries: HS2enquiries@hs2.org.uk

Website: www.hs2.org.uk

A report prepared for High Speed Two (HS2) Limited:

ARUP+ ERM | FOSTER + PARTNERS | JACOBS
RAMBOLL | TYPISA | COSTAIN

MWJV

Mott MacDonald | WSP

High Speed Two (HS2) Limited has actively considered the needs of blind and partially sighted people in accessing this document. The text will be made available in full on the HS2 website. The text may be freely downloaded and translated by individuals or organisations for conversion into other accessible formats. If you have other needs in this regard please contact High Speed Two (HS2) Limited.

© High Speed Two (HS2) Limited, 2022, except where otherwise stated.

Copyright in the typographical arrangement rests with High Speed Two (HS2) Limited.

This information is licensed under the Open Government Licence v3.0. To view this licence, visit www.nationalarchives.gov.uk/doc/open-government-licence/version/3 **OGL** or write to the Information Policy Team, The National Archives, Kew, London TW9 4DU, or e-mail: psi@nationalarchives.gsi.gov.uk. Where we have identified any third-party copyright information you will need to obtain permission from the copyright holders concerned.



Printed in Great Britain on paper containing 100% recycled fibre.

**Background Information and Data accompanying Supplementary Environmental Statement 1 and
Additional Provision 1 Environmental Statement**

Air quality
BID AQ-002-0MA04 SES1 and AP1 ES
MA04
Additional data used in the air quality assessment

Contents

1	Introduction	2
1.1	Structure of this report	2
1.2	Methodology	2
2	Construction traffic data	3
3	Operational traffic data	4
4	References	5

Tables

Table 1:	Highway network construction traffic flows in the Broomedge to Glazebrook area (MA04)	3
----------	---	---

Background Information and Data accompanying Supplementary Environmental Statement 1 and Additional Provision 1 Environmental Statement

Air quality
BID AQ-002-0MA04 SES1 and AP1 ES
MA04
Additional data used in the air quality assessment

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 Broomedged to Glazebrook area (MA04).
- 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>.

Background Information and Data accompanying Supplementary Environmental Statement 1 and Additional Provision 1 Environmental Statement

Air quality
BID AQ-002-OMA04 SES1 and AP1 ES
MA04
Additional data used in the air quality assessment

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 Broomedge to Glazebrook area (MA04)

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	
80105_85733, 80106_80331	366304, 388884 to 366216, 385910	152,956	156,246	22,139	23,109	–
85864_85863, 85866_80105	366330, 388736 to 366037, 389391	123,995	126,946	20,431	21,401	–

**Background Information and Data accompanying Supplementary Environmental Statement 1 and
Additional Provision 1 Environmental Statement**

Air quality

BID AQ-002-0MA04 SES1 and AP1 ES

MA04

Additional data used in the air quality assessment

3 Operational traffic data

3.1.1 Operational impacts were not modelled for the Broomedge to Glazebrook area (MA04).

Background Information and Data accompanying Supplementary Environmental Statement 1 and Additional Provision 1 Environmental Statement

Air quality

BID AQ-002-OMA04 SES1 and AP1 ES

MA04

Additional data used in the air quality assessment

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>.

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>.

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>.

High Speed Two (HS2) Limited

Two Snowhill

Snow Hill Queensway

Birmingham B4 6GA

Freephone: 08081 434 434

Minicom: 08081 456 472

Email: HS2enquiries@hs2.org.uk

