

High Speed Rail (Crewe – Manchester)

Background information and data

Air quality

BID AQ-002-0MA01

MA01: Hough to Walley's Green

Additional data used in the air quality
assessment

High Speed Rail (Crewe – Manchester)

Background Information and data

Air quality

BID AQ-002-0MA01

MA01: Hough to Walley's Green

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 at least 75% recycled fibre.

Contents

1	Introduction	2
2	Relevant policies and guidance	3
2.2	Cheshire East Council	3
3	Baseline air quality data	5
3.1	Local air quality monitoring data	5
3.2	Industrial emission sources	6
4	Construction traffic data	7
5	Operational traffic data	46
6	References	47

Tables

Table 1:	Annual mean NO ₂ concentrations recorded at diffusion tube monitoring sites	5
Table 2:	Annual mean NO ₂ concentrations recorded at HS2 monitoring sites	6
Table 3:	Industrial installations with permits for emissions to air	6
Table 4:	Traffic data (AADT) used for the construction assessment	7
Table 5:	Traffic data (HDV) used for the construction assessment	25
Table 6:	Construction traffic flows on the site haul routes	43
Table 7:	Traffic data used for the operational assessment	46

Background Information and Data

Air quality

BID AQ-002-0MA01

MA01: Hough to Walley's Green

Additional data used in the air quality assessment

1 Introduction

1.1.1 This report presents additional data used in the air quality assessment of the Hough to Walley's Green area (MA01) and comprises:

- relevant policies and guidance; and
- baseline air quality data.

1.1.2 Volume 5: Appendix AQ-001-0MA01¹ should be referred to for details of the air quality impact assessment.

¹ High Speed Two Ltd (2022), High Speed Rail (Crewe – Manchester) *Environmental Statement, Air quality report*, Appendix AQ-001-0MA01. Available online at: <https://www.gov.uk/government/collections/hs2-phase-2b-crewe-manchester-environmental-statement>.

Background Information and Data

Air quality

BID AQ-002-0MA01

MA01: Hough to Walley's Green

Additional data used in the air quality assessment

2 Relevant policies and guidance

2.1.1 The Hough to Walley's Green area (MA01) lies within the administrative area of Cheshire East Council (CEC).

2.2 Cheshire East Council

2.2.1 The Cheshire East Local Plan sets out a vision for the development of the area outlining the key strategic policies to guide where new development will take place, whilst ensuring that they meet local needs and are in-line with national policy.

2.2.2 The key documents that make up the Local Plan include:

- Local Plan Strategy² (adopted 27 July 2017);
- Site and Allocation and Development Policies Document, which is currently in preparation (revised draft published 26 October 2020³); and
- the Minerals and Waste Development Plan Document, also currently in preparation.

2.2.3 The Local Plan Strategy directs planning permission in the district and contains the following policies related to air quality:

'Strategic Priority 3: Protecting and enhancing environmental quality', states:

'This will be delivered by [...] Addressing the local causes of water, air, light, noise and all other forms of pollution and the contamination of land, reducing the impact on local communities and meeting the requirements of the Water Framework Directive.'

'Policy SE12: Pollution, Land Contamination and Land Instability', states:

- '1. The council will seek to ensure all development is located and designed so as not to result in a harmful or cumulative impact upon air quality, surface water and groundwater, noise, smell, dust, vibration, soil contamination, light pollution or any other pollution which would unacceptably affect the natural and built environment, or detrimentally affect amenity or cause harm. Developers will be expected to minimise and mitigate the effects of possible pollution arising from the development itself, or as a result of the development (including additional traffic) during both the construction and the life of the development. Where adequate mitigation cannot be provided, development will not normally be permitted;

² Cheshire East Council (2017), *Cheshire East Local Plan. Local Plan Strategy 2010 – 2030*. Available online at: <https://www.cheshireeast.gov.uk/planning/spatial-planning/cheshire-east-local-plan/site-allocations-and-policies/sadpd-examination/documents/examination-library/bd01-local-plan-strategy.pdf>.

³ Cheshire East Council (2020), *Revised Publication Draft Site Allocations and Development Policies Document*. Available online at: <https://www.cheshireeast.gov.uk/planning/spatial-planning/cheshire-east-local-plan/site-allocations-and-policies/site-allocations-and-policies.aspx>.

Background Information and Data

Air quality

BID AQ-002-0MA01

MA01: Hough to Walley's Green

Additional data used in the air quality assessment

- 2. Development for new housing or other environmentally sensitive development will not normally be permitted where existing air pollution, soil contamination, noise, smell, dust, vibration, light or other pollution levels are unacceptable and there is no reasonable prospect these can be mitigated against; and
- 3. Development should support improvements to air quality, not contradict the Air Quality Strategy or Air Quality Action Plan and seek to promote sustainable transport policies....'

2.2.4 The Site Allocations and Development Policies Document (SADPD) will include non-strategic policies and site allocations. CEC published an initial draft of the SADPD for consultation in early 2019. Following consideration of the responses received they published a Revised Publication Draft SADPD in October 2020. Due to COVID-19 the consultation period was extended until 23 December 2020. CEC are currently considering the representations and expect to seek a council decision to submit the plan for examination in the second quarter of 2021.

2.2.5 Policy ENV12 of the Revised Publication Draft SADPD relates specifically to air quality and states:

'Proposals that are likely to have an impact on local air quality will be required to provide an air quality assessment (AQA). Where the AQA shows that the construction or operational characteristics of the development would cause harm to air quality, including cumulatively with other planned or committed development, planning permission will be refused unless measures are adopted to acceptably mitigate the impact.'

Background Information and Data

Air quality

BID AQ-002-0MA01

MA01: Hough to Walley's Green

Additional data used in the air quality assessment

3 Baseline air quality data

3.1 Local air quality monitoring data

3.1.1 Table 1 and Table 2 present the monitoring data from the diffusion tube sites within the Hough to Walley's Green area. There are no continuous monitoring sites in this area. No PM₁₀ or PM_{2.5} monitoring is undertaken in this area.

Table 1: Annual mean NO₂ concentrations recorded at diffusion tube monitoring sites

Site ⁴	Ordnance survey coordinates	Annual mean NO ₂ concentrations (µg/m ³)				
		2014	2015	2016	2017	2018
CE203 NW Traffic Lights on Mill Street Crossroads	370731, 354731	51.5	46.2	48.1	43.0	38.6
CE204 7 South Street (MA01.3)	370763, 354696	39.3	32.0	36.5	31.8	31.5
CE206 108 Nantwich Road/Edward Street (MA01.4)	370568, 354649	30.5	25.7	30.7	24.5	25.6
CE212 9 Edleston Road (MA01.7)	370556, 354717	39.5	32.5	38.6	30.0	32.3
CE224 Kings Arms, Earle Street/Rainbow Street (MA01.8)	370845, 355745	42.5	35.8	37.0	37.2	34.3
CE225 53/55 Earle Street (MA01.9)	370879, 355746	44.0	39.6	41.3	34.2	32.7
CE226 101/103 Earle Street (MA01.10)	371111, 355740	32.4	26.3	31.5	No data	No data
CE230 95/97 Wistaston Road	370118, 355432	31.9	30.5	35.0	29.2	27.8
CE232 83 Flag Lane (MA01.11)	370041, 355480	41.9	38.2	40.2	35.5	33.5
CE235 Go Green/ 32 Nantwich Road (MA01.12)	370803, 354728	31.6	28.0	31.5	27.5	26.7
CE238 33/35 North Street (MA01.13)	370485, 357285	33.2	29.9	34.3	28.8	No data
CE239 128/130 Wistaston Road (MA01.14)	369986, 355432	40.8	35.8	40.9	32.9	31.2
CE246 148/150 Gresty Road (MA01.15)	370871, 354315	38.7	36.0	42.0	37.3	34.9
CE247 339 Crewe Road (MA01.16)	367739, 352878	24.4	23.9	23.4	19.4	No data

⁴ Cheshire East Council (2020), 2020 Air Quality Annual Statute Report (ASR). Available online at: <https://moderngov.cheshireeast.gov.uk/ecminutes/documents/s80967/Appendix%201%20CEC.ASR.2020.4%20Final%20Report.pdf>.

Background Information and Data

Air quality

BID AQ-002-0MA01

MA01: Hough to Walley's Green

Additional data used in the air quality assessment

Table 2: Annual mean NO₂ concentrations recorded at HS2 monitoring sites

Site	Ordnance survey coordinates	Annual mean NO ₂ concentrations (µg/m ³)	
		2018	2019
MA01.1 Queen Crescent	368111, 358977	28.0	24.4
MA01.2 Cheerbrook Roundabout	367411, 351683	38.8	34.7

3.2 Industrial emission sources

3.2.1 Table 3 presents the industrial installations (regulated by the Environment Agency) with permits for emissions to air within the Hough to Walley's Green area.

Table 3: Industrial installations with permits for emissions to air

Operator	Permit number	Process
E.ON UK Cogeneration	BS5371IZ	Combustion; any fuel greater than or equal to 50MW
3C Waste Limited	BS7722ID	Waste landfilling
Red Hall Farming Limited	PP3236RK	Intensive farming; more than 40,000 poultry

Background Information and Data

Air quality

BID AQ-002-0MA01

MA01: Hough to Walley's Green

Additional data used in the air quality assessment

4 Construction traffic data

- 4.1.1 Table 4 and Table 5 outline the predicted flows for construction traffic on the highway network. The data presented are split into annual average daily traffic (AADT) (Table 4) and heavy duty vehicles (HDV) (Table 5) in the 'without the Proposed Scheme' and 'with the Proposed Scheme' scenarios.
- 4.1.2 The air quality assessment of construction traffic emissions has used traffic data based on an estimate of the average daily flows in the peak year during the construction period (2025–2037). The assessment assumes vehicle emission rates and background pollutant concentrations from year 2025 as a worst case.
- 4.1.3 Table 6 outlines the predicted flows of construction traffic on the site haul routes. The data are presented for the 'with the Proposed Scheme' scenario only split in heavy goods vehicles (HGV) and articulated dump trucks (ADT).

Table 4: Traffic data (AADT) used for the construction assessment

Road ID	Start and end coordinates	AADT		
		2025 without the Proposed Scheme	2025 Scenario 2 with the Proposed Scheme	2025 Scenario 3 with the Proposed Scheme
7055_7057	368289, 361636 to 368477, 360770	17,081	19,295	19,275
5158_5157	366961, 352565 to 366787, 351779	14,020	13,993	13,883
11004_11007	369419, 352521 to 369430, 352500	5,883	5,861	5,953
11007_11010	369430, 352500 to 369570, 352348	6,639	6,615	6,721
11010_11001	369570, 352348 to 368809, 352388	2,231	2,345	2,349
11010_11011	369570, 352348 to 369900, 352102	8,167	8,246	8,374
11022_11023	370445, 352156 to 370464, 352631	8,467	8,730	8,724
11023_11028	370464, 352631 to 370709, 352670	3,995	3,980	3,795
11026_11027_01	370700, 352712 to 370702, 352737	4,693	4,527	4,694
11026_11057	370700, 352712 to 370068, 352640	15,614	15,508	15,208
11027_11030_01	370702, 352737 to 370713, 352747	17,952	17,600	17,876
11028_11029_01	370709, 352670 to 370710, 352699	2,200	2,175	2,134
11029_11026_01	370710, 352699 to 370700, 352712	20,307	20,035	19,902
11030_11033_01	370713, 352747 to 370744, 352744	11,043	10,894	10,944
11030_11036	370713, 352747 to 370941, 352918	6,910	6,707	6,932
11032_11028_01	370732, 352695 to 370709, 352670	1,795	1,805	1,661
11032_11029_01	370732, 352695 to 370710, 352699	18,107	17,861	17,769
11033_11035_01	370744, 352744 to 370753, 352731	18,623	18,508	18,704
11034_11032_01	370748, 352706 to 370732, 352695	19,902	19,666	19,430
11035_11034_01	370753, 352731 to 370748, 352706	4,005	4,003	3,869
11035_4620	370753, 352731 to 372625, 352740	14,618	14,505	14,835

Background Information and Data

Air quality

BID AQ-002-0MA01

MA01: Hough to Walley's Green

Additional data used in the air quality assessment

Road ID	Start and end coordinates	AADT		
		2025 without the Proposed Scheme	2025 Scenario 2 with the Proposed Scheme	2025 Scenario 3 with the Proposed Scheme
11036_11063_01	370941, 352918 to 370969, 352939	7,866	7,666	7,889
11037_11033	370951, 352898 to 370744, 352744	7,583	7,629	7,778
11037_11036_01	370951, 352898 to 370941, 352918	957	960	957
11038_11039_01	370977, 352935 to 370966, 352894	8,358	8,381	8,524
11039_11037_01	370966, 352894 to 370951, 352898	8,539	8,589	8,736
11056_11027	370061, 352652 to 370702, 352737	13,261	13,080	13,192
11057_14043	370068, 352640 to 367361, 351676	15,614	15,508	15,208
11059_11023	370576, 353083 to 370464, 352631	7,475	7,780	7,630
11063_11038_01	370969, 352939 to 370977, 352935	2,926	2,889	2,899
14033_14035_01	367275, 351732 to 367315, 351724	10,249	9,850	9,904
14033_5159	367275, 351732 to 367102, 351820	20,400	19,997	20,064
14034_14033_01	367306, 351698 to 367275, 351732	10,150	10,147	10,160
14034_14035_01	367306, 351698 to 367315, 351724	11,657	11,487	11,471
14035_14036_01	367315, 351724 to 367323, 351730	21,531	21,047	20,983
14036_14039_01	367323, 351730 to 367333, 351757	11,064	10,935	10,630
14036_14040_01	367323, 351730 to 367344, 351734	10,467	10,112	10,352
14037_14034_01	367324, 351671 to 367306, 351698	21,807	21,634	21,631
14038_14037_01	367330, 351640 to 367324, 351671	3,668	3,672	3,974
14038_14066	367330, 351640 to 367508, 351462	6,739	6,692	6,903
14039_14040_01	367333, 351757 to 367344, 351734	8,032	7,635	7,370
14040_14042_01	367344, 351734 to 367355, 351730	18,498	17,739	17,704
14041_14037_01	367344, 351667 to 367324, 351671	18,140	17,967	17,663
14041_14038_01	367344, 351667 to 367330, 351640	3,071	3,020	2,928
14042_14045_01	367355, 351730 to 367372, 351701	16,261	15,559	15,483
14042_14046_01	367355, 351730 to 367399, 351734	2,236	2,180	2,221
14043_14041_01	367361, 351676 to 367344, 351667	21,211	20,987	20,592
14044_11056	367372, 351693 to 370061, 352652	13,261	13,080	13,192
14044_14043_01	367372, 351693 to 367361, 351676	5,742	5,729	5,694
14045_14044_01	367372, 351701 to 367372, 351693	19,003	18,810	18,886
14046_14045_01	367399, 351734 to 367372, 351701	2,745	3,259	3,414
14046_14047	367399, 351734 to 367463, 351755	4,981	5,439	5,636
14049_14047	367542, 351785 to 367463, 351755	3,117	3,588	3,785
14049_14052	367542, 351785 to 367911, 351989	3,117	3,588	3,785
14053_14054	367956, 352011 to 367983, 352283	2,682	3,168	3,330
14054_14055	367983, 352283 to 367985, 352313	5,391	6,068	6,239
14054_14058	367983, 352283 to 368050, 352260	2,709	2,900	2,908

Background Information and Data

Air quality

BID AQ-002-0MA01

MA01: Hough to Walley's Green

Additional data used in the air quality assessment

Road ID	Start and end coordinates	AADT		
		2025 without the Proposed Scheme	2025 Scenario 2 with the Proposed Scheme	2025 Scenario 3 with the Proposed Scheme
14059_14013	368077, 351609 to 368328, 351500	6,605	6,572	6,791
14063_14058	368263, 352180 to 368050, 352260	2,226	2,415	2,467
14066_14059	367508, 351462 to 368077, 351609	6,739	6,692	6,903
14067_14039	367329, 351825 to 367333, 351757	19,097	18,570	18,001
14067_5174	367329, 351825 to 367056, 352533	19,097	18,570	18,001
15009_3142	376796, 362076 to 377106, 361569	42,972	44,783	44,716
15012_3176	373534, 361976 to 373651, 361850	17,464	18,632	18,441
15012_9302	373534, 361976 to 373033, 362063	3,096	3,134	2,942
15029_15028	377486, 364375 to 376185, 365077	1,777	2,312	2,023
15041_9308	377569, 360430 to 377152, 355467	48,739	50,423	50,427
15043_3146	377871, 360697 to 377323, 361283	-	-	-
15053_15045	377720, 358258 to 378057, 358577	2,025	2,293	2,101
15079_15041	377259, 361311 to 377569, 360430	48,739	50,423	50,427
18040_15029	377513, 364333 to 377486, 364375	12,427	13,512	13,450
18041_18040	377677, 364098 to 377513, 364333	12,264	13,109	13,069
18042_18040	377691, 364237 to 377513, 364333	163	403	380
18042_18041	377691, 364237 to 377677, 364098	1,332	1,157	1,239
20278_20281	376179, 352892 to 374534, 352396	17,088	17,151	17,142
20279_20278	376997, 352645 to 376179, 352892	17,088	17,151	17,142
20280_20279	377613, 352392 to 376997, 352645	17,088	17,151	17,142
20281_9128_01	374534, 352396 to 374479, 352378	17,088	17,151	17,142
30001_4604_01	372307, 355435 to 372317, 355444	23,746	24,564	25,786
30002_4606_01	372331, 355448 to 372345, 355444	23,974	23,470	24,041
30105_30108_01	368691, 358031 to 367985, 358562	3,017	2,446	2,827
30105_4012_01	368691, 358031 to 364996, 391185	3,708	3,263	3,217
30105_4013_02	368691, 358031 to 365254, 391390	8,980	8,426	8,687
30105_R	368691, 358031	7,853	7,069	7,366
30107_30109_01	368540, 357205 to 368110, 357255	5	3	3
30107_4012_01	368540, 357205 to 364996, 391185	410	491	59
30108_30105	367985, 358562 to 368691, 358031	8,242	7,541	8,448
30108_8085_01	367985, 358562 to 376642, 387749	6,012	5,170	5,480
30108_8126_01	367985, 358562 to 367982, 358255	4,275	4,876	4,178
30108_R	367985, 358562	7,756	7,570	7,634
30109_30107	368110, 357255 to 368540, 357205	426	415	412
30109_4008_01	368110, 357255 to 363919, 391589	7,404	7,127	7,156
30109_8088_01	368110, 357255 to 376653, 387372	5,802	5,153	5,052

Background Information and Data

Air quality

BID AQ-002-0MA01

MA01: Hough to Walley's Green

Additional data used in the air quality assessment

Road ID	Start and end coordinates	AADT		
		2025 without the Proposed Scheme	2025 Scenario 2 with the Proposed Scheme	2025 Scenario 3 with the Proposed Scheme
30109_R	368110, 357255	6,813	6,346	6,308
3013_3011	373770, 361057 to 373677, 361030	4,440	4,598	4,335
3014_3008	373778, 361686 to 373492, 361479	4,005	3,388	3,854
3014_3176	373778, 361686 to 373651, 361850	18,928	20,104	19,898
3016_3018	373805, 361357 to 373825, 361502	4,548	4,943	4,850
3017_3010	373826, 360873 to 373507, 360503	7,064	7,297	7,582
3017_3013	373826, 360873 to 373770, 361057	8,016	8,238	8,485
3018_3022	373825, 361502 to 373873, 361585	4,701	5,074	5,020
3019_3014	373854, 361608 to 373778, 361686	18,750	19,895	19,832
3021_3013	373856, 361111 to 373770, 361057	7,519	8,335	8,150
3021_3016	373856, 361111 to 373805, 361357	7,528	8,120	7,905
3022_3019	373873, 361585 to 373854, 361608	18,454	19,603	19,538
3023_3007	373906, 360273 to 373452, 360271	7,492	7,634	6,795
3023_3029	373906, 360273 to 374025, 360408	7,492	7,634	6,795
3024_3022	373960, 361469 to 373873, 361585	13,832	14,610	14,598
3025_3021	373916, 360967 to 373856, 361111	5,448	5,900	5,074
3025_3027	373916, 360967 to 373942, 360900	7,035	8,052	6,900
3026_3017	373949, 360570 to 373826, 360873	1,260	1,372	1,331
3026_3030	373949, 360570 to 374029, 360419	3,548	3,650	3,617
3027_3036	373942, 360900 to 374094, 360502	5,074	5,772	4,995
3029_3030_01	374025, 360408 to 374029, 360419	6,812	7,473	6,896
3030_3032_01	374029, 360419 to 374042, 360420	6,983	7,674	7,111
3031_3029_01	374041, 360401 to 374025, 360408	7,329	7,786	6,609
3032_3031_01	374042, 360420 to 374041, 360401	7,684	8,098	7,300
3036_3032	374094, 360502 to 374042, 360420	11,025	11,487	10,621
3036_3040	374094, 360502 to 382620, 390749	6,612	6,363	6,279
3040_3027	382620, 390749 to 373942, 360900	2,673	2,988	2,681
3045_3058	374594, 359712 to 374989, 359432	9,109	10,093	8,932
3046_3047_01	374699, 358261 to 374723, 358276	11,144	11,519	11,468
3047_3048_01	374723, 358276 to 374731, 358284	15,004	15,487	15,447
3048_3049_01	374731, 358284 to 374758, 358323	4,096	4,683	4,260
3048_3050_01	374731, 358284 to 374760, 358283	10,908	10,804	11,188
3049_3050_01	374758, 358323 to 374760, 358283	5,247	5,521	5,618
3050_3051_01	374760, 358283 to 374763, 358281	16,154	16,319	16,800
3051_3052_01	374763, 358281 to 374769, 358256	5,697	5,681	5,880
3051_3054_01	374763, 358281 to 374799, 358276	10,457	10,638	10,920

Background Information and Data

Air quality

BID AQ-002-0MA01

MA01: Hough to Walley's Green

Additional data used in the air quality assessment

Road ID	Start and end coordinates	AADT		
		2025 without the Proposed Scheme	2025 Scenario 2 with the Proposed Scheme	2025 Scenario 3 with the Proposed Scheme
3052_9144_01	374769, 358256 to 374758, 358242	13,529	14,032	14,551
3054_3052_01	374799, 358276 to 374769, 358256	7,823	8,331	8,658
3058_3060	374989, 359432 to 375023, 359776	8,321	8,937	8,535
3061_3058	375036, 359296 to 374989, 359432	10,477	11,346	10,994
3066_3049	375133, 359043 to 374758, 358323	9,343	10,205	9,878
3066_3061	375133, 359043 to 375036, 359296	10,194	11,060	10,759
3104_3107_01	375843, 360499 to 375854, 360530	3,417	3,417	3,417
3106_3113_01	385628, 388570 to 375915, 360513	8,779	9,195	9,332
3107_3106_01	375854, 360530 to 385628, 388570	7,663	7,592	7,555
3108_3104_01	375872, 360516 to 375843, 360499	2,218	2,171	2,247
3108_3107_01	375872, 360516 to 375854, 360530	4,248	4,177	4,139
3112_3108_01	375915, 360498 to 375872, 360516	6,466	6,348	6,386
3112_3113_01	375915, 360498 to 375915, 360513	8,792	9,205	9,254
3113_3116_01	375915, 360513 to 375926, 360520	17,567	18,390	18,578
3114_3115_01	375917, 360463 to 375920, 360491	11,024	11,226	11,352
3115_3112_01	375920, 360491 to 375915, 360498	15,258	15,554	15,640
3116_3117_01	375926, 360520 to 375928, 360538	1,590	1,563	1,606
3116_3120_01	375926, 360520 to 388351, 397403	15,976	16,826	16,972
3117_3120_01	375928, 360538 to 388351, 397403	1,423	1,423	1,423
3119_3114_01	375937, 360491 to 375917, 360463	8,371	8,960	9,206
3119_3115_01	375937, 360491 to 375920, 360491	4,236	4,333	4,292
3120_3123_01	388351, 397403 to 378350, 392182	17,398	18,247	18,393
3122_3119_01	378395, 392005 to 375937, 360491	12,607	13,293	13,498
3123_3122_01	378350, 392182 to 378395, 392005	4,959	5,174	5,520
3123_3126_01	378350, 392182 to 375982, 360512	12,439	13,071	12,873
3126_3122_01	375982, 360512 to 378395, 392005	7,641	8,104	7,968
3128_3126	376069, 360576 to 375982, 360512	19,580	20,485	20,261
3128_3130	376069, 360576 to 376125, 360657	19,161	20,080	19,810
3130_3101	376125, 360657 to 375764, 360874	2,359	2,515	2,493
3141_15008	373260, 390027 to 376788, 362038	36,217	37,829	37,830
3142_15079	377106, 361569 to 377259, 361311	48,739	50,423	50,427
3147_3146	377451, 361887 to 377323, 361283	6,886	6,814	6,778
3157_3098	375736, 360670 to 375630, 360819	16,442	16,788	16,887
3157_3106	375736, 360670 to 385628, 388570	16,442	16,788	16,887
3164_3166	374018, 361218 to 373984, 361116	3,901	4,489	4,058
3166_3025	373984, 361116 to 373916, 360967	3,119	3,728	3,288

Background Information and Data

Air quality

BID AQ-002-0MA01

MA01: Hough to Walley's Green

Additional data used in the air quality assessment

Road ID	Start and end coordinates	AADT		
		2025 without the Proposed Scheme	2025 Scenario 2 with the Proposed Scheme	2025 Scenario 3 with the Proposed Scheme
3169_3031	374221, 360075 to 374041, 360401	8,435	9,461	8,238
3169_3045	374221, 360075 to 374594, 359712	10,443	11,456	10,269
3179_3141	377163, 361420 to 373260, 390027	41,707	43,621	43,500
4001_4003_01	365860, 385010 to 364272, 391792	13,271	13,285	13,591
4001_4005_01	365860, 385010 to 364479, 391712	283	280	273
4002_8083_01	365064, 392737 to 377122, 387834	14,255	14,270	14,242
4003_4004_01	364272, 391792 to 364790, 392625	13,623	13,635	13,940
4004_4002_01	364790, 392625 to 365064, 392737	7,964	7,858	7,928
4004_4006_01	364790, 392625 to 363740, 391245	5,655	5,777	6,014
4005_4003_01	364479, 391712 to 364272, 391792	350	350	350
4006_4002_01	363740, 391245 to 365064, 392737	6,290	6,425	6,341
4008_30109	363919, 391589 to 368110, 357255	13,626	12,692	12,617
4009_4006	363137, 391477 to 363740, 391245	11,944	12,202	12,355
4011_4012_01	366047, 391601 to 364996, 391185	1,086	1,110	1,076
4012_30105	364996, 391185 to 368691, 358031	7,465	6,599	6,283
4012_30107	364996, 391185 to 368540, 357205	763	1,335	149
4012_4011	364996, 391185 to 366047, 391601	1,876	1,893	1,777
4012_8089_01	364996, 391185 to 376911, 387248	3,308	2,951	2,560
4012_R	364996, 391185	4,098	3,951	3,202
4013_30105	365254, 391390 to 368691, 358031	15,705	14,134	14,731
4013_4068	365254, 391390 to 368723, 357757	5,744	5,495	5,813
4013_4631	365254, 391390 to 368955, 357822	17,255	16,603	15,249
4013_R	365254, 391390	9,676	9,058	8,948
4017_4009	367905, 355659 to 363137, 391477	11,929	12,242	12,350
4039_4045	368182, 355892 to 357121, 393144	14,325	14,422	14,372
4045_4685	357121, 393144 to 368292, 355965	15,116	15,253	15,264
4052_4056	359064, 392930 to 368578, 355899	9,612	10,686	10,491
4052_4090	359064, 392930 to 368803, 356154	16,481	16,662	16,777
4052_4685	359064, 392930 to 368292, 355965	15,117	15,253	15,264
4056_4066	368578, 355899 to 375946, 386607	9,620	10,694	10,500
4066_4081	375946, 386607 to 368818, 355815	9,635	10,708	10,516
4081_4684	368818, 355815 to 368854, 355803	9,797	10,867	10,682
4092_4211	368879, 355794 to 386736, 388432	3,534	4,209	4,207
4092_4674	368879, 355794 to 368980, 355585	6,530	6,913	6,748
4092_4684	368879, 355794 to 368854, 355803	9,797	10,867	10,682
4114_4631	363999, 394051 to 368955, 357822	9,898	9,355	10,408

Background Information and Data

Air quality

BID AQ-002-0MA01

MA01: Hough to Walley's Green

Additional data used in the air quality assessment

Road ID	Start and end coordinates	AADT		
		2025 without the Proposed Scheme	2025 Scenario 2 with the Proposed Scheme	2025 Scenario 3 with the Proposed Scheme
4114_4635	363999, 394051 to 369208, 357503	9,928	9,568	10,420
4176_4183	365796, 392516 to 388603, 391657	9,246	8,747	9,760
4176_4635	365796, 392516 to 369208, 357503	9,928	9,568	10,420
4176_4710	365796, 392516 to 369560, 357354	2,390	3,067	2,926
4183_4705	388603, 391657 to 369733, 357436	9,443	8,917	9,965
4186_4199	369656, 357037 to 355809, 392660	9,594	9,401	9,536
4186_4710	369656, 357037 to 369560, 357354	1,996	2,805	2,552
4193_4195	369709, 357830 to 387515, 391210	7,389	9,378	7,979
4193_4633	369709, 357830 to 369712, 357966	7,353	9,341	7,913
4195_4203	387515, 391210 to 369836, 357454	13,390	14,417	15,430
4195_4705	387515, 391210 to 369733, 357436	9,443	8,917	9,965
4199_4204	355809, 392660 to 369844, 357240	10,898	10,095	9,913
4199_4249	355809, 392660 to 370159, 356994	7,884	7,940	7,655
4203_4204	369836, 357454 to 369844, 357240	8,297	7,758	5,978
4203_4217	369836, 357454 to 369921, 357468	12,331	13,592	17,252
4204_4206	369844, 357240 to 370004, 357279	2,637	2,414	4,013
4206_4225	370004, 357279 to 366842, 392497	2,599	2,325	3,890
4217_4239	369921, 357468 to 363693, 393315	11,298	12,825	16,713
4225_4239	366842, 392497 to 363693, 393315	2,584	2,296	3,852
4278_4249	370322, 356901 to 370159, 356994	10,578	10,737	10,630
4278_4261	370322, 356901 to 370244, 356718	12,285	12,816	13,076
4280_4239	370325, 357365 to 363693, 393315	13,680	14,933	20,399
4280_4704	370325, 357365 to 370413, 357322	14,743	17,231	17,383
4286_4318	370442, 357045 to 370588, 357213	9,510	9,831	10,924
4286_4678	370442, 357045 to 370374, 356969	9,500	9,824	10,917
4290_4329_01	370594, 357228 to 370601, 357229	12,888	13,220	14,098
4290_4704	370594, 357228 to 370413, 357322	16,254	18,288	18,173
4299_4322	370464, 356211 to 370569, 356222	5,954	6,000	6,028
4318_4286_01	370588, 357213 to 370442, 357045	5,276	5,362	5,491
4318_4290_01	370588, 357213 to 370594, 357228	10,684	12,923	12,683
4322_4331	370569, 356222 to 370616, 356148	11,147	11,241	11,406
4322_4344	370569, 356222 to 382981, 391874	9,513	9,291	9,667
4323_4318_01	370597, 357209 to 370588, 357213	11,723	13,819	12,738
4323_4362	370597, 357209 to 370619, 356876	498	1,758	1,451
4329_4342	370601, 357229 to 385236, 389705	2,405	4,319	3,343
4329_4639_01	370601, 357229 to 370608, 357216	14,913	17,148	16,947

Background Information and Data

Air quality

BID AQ-002-0MA01

MA01: Hough to Walley's Green

Additional data used in the air quality assessment

Road ID	Start and end coordinates	AADT		
		2025 without the Proposed Scheme	2025 Scenario 2 with the Proposed Scheme	2025 Scenario 3 with the Proposed Scheme
4334_4287	370425, 358304 to 370310, 358208	9,854	13,949	7,029
4342_4329_01	385236, 389705 to 370601, 357229	2,205	4,022	3,088
4342_4409	385236, 389705 to 370883, 357718	1,626	3,194	2,059
4344_4357	382981, 391874 to 370678, 356377	12,433	12,433	12,732
4344_4386	382981, 391874 to 387811, 397452	4,116	4,224	4,211
4357_4367	370678, 356377 to 382710, 392355	12,307	12,098	12,391
4362_4364	370619, 356876 to 384745, 390653	507	1,787	1,494
4364_4377	384745, 390653 to 381872, 390345	7,655	5,808	6,884
4367_4641	382710, 392355 to 370712, 356529	11,092	10,841	11,173
4374_4364	382798, 387075 to 384745, 390653	7,761	7,245	7,961
4374_4640	382798, 387075 to 370725, 356590	10,727	10,459	10,796
4377_4638	381872, 390345 to 370710, 357210	7,062	5,221	6,034
4391_4334	370793, 358613 to 370425, 358304	12,641	15,179	10,729
4409_4334	370883, 357718 to 370425, 358304	4,818	3,274	4,727
4409_4454	370883, 357718 to 371127, 357862	6,078	6,132	5,305
4410_4377	370813, 356977 to 381872, 390345	710	687	956
4410_4414	370813, 356977 to 370957, 356743	75	68	68
4410_4431	370813, 356977 to 371038, 357089	634	618	887
4417_4640	370965, 356596 to 370725, 356590	264	277	276
4428_4467	371034, 356801 to 371208, 357072	43	33	43
4431_4432_01	371038, 357089 to 371039, 357178	466	529	3,045
4431_4467	371038, 357089 to 371208, 357072	512	487	3,281
4432_4638	371039, 357178 to 370710, 357210	11,717	12,010	14,758
4432_4703	371039, 357178 to 371080, 357178	11,838	12,180	13,083
4448_4496	371071, 356720 to 371302, 357021	132	134	145
4454_4391	371127, 357862 to 370793, 358613	8,873	7,750	9,130
4462_4524	371154, 356624 to 371517, 356605	114	150	134
4467_4496	371208, 357072 to 371302, 357021	555	521	3,323
4490_4501	384940, 392606 to 371333, 354618	2,227	2,222	2,221
4496_4503	371302, 357021 to 371368, 356918	3,608	3,194	4,087
4496_4504	371302, 357021 to 371372, 357093	4,174	3,606	7,323
4499_4454	371325, 357264 to 371127, 357862	2,748	2,711	2,282
4501_4506	371333, 354618 to 371386, 354557	11,958	12,020	12,492
4502_4499	371355, 357112 to 371325, 357264	15,477	15,161	14,120
4503_4524	371368, 356918 to 371517, 356605	3,503	3,121	3,995
4503_4657	371368, 356918 to 371184, 356738	105	72	91

Background Information and Data

Air quality

BID AQ-002-0MA01

MA01: Hough to Walley's Green

Additional data used in the air quality assessment

Road ID	Start and end coordinates	AADT		
		2025 without the Proposed Scheme	2025 Scenario 2 with the Proposed Scheme	2025 Scenario 3 with the Proposed Scheme
4504_4502_01	371372, 357093 to 371355, 357112	21,995	21,893	20,041
4504_4539_01	371372, 357093 to 371379, 357080	19,122	19,450	19,635
4507_4509	380930, 389347 to 387670, 393635	13,428	14,347	13,400
4508_4919	371400, 354570 to 371323, 354657	591	591	590
4509_4692	387670, 393635 to 371419, 355661	13,144	14,061	13,118
4516_4508	371439, 354524 to 371400, 354570	743	715	685
4516_4527	371439, 354524 to 371526, 354426	659	683	715
4517_4506	371453, 354479 to 371386, 354557	12,168	12,070	12,489
4517_4520	371453, 354479 to 371464, 354466	12,679	12,578	12,804
4520_4526	371464, 354466 to 371521, 354400	12,679	12,578	12,804
4521_4528	371464, 355666 to 371527, 355667	13,027	13,955	13,017
4521_4692	371464, 355666 to 371419, 355661	13,144	14,061	13,118
4523_4524	371499, 356456 to 371517, 356605	3,617	3,271	4,129
4529_4528	371530, 355702 to 371527, 355667	337	337	337
4530_4533	371540, 355984 to 385607, 394241	791	798	1,569
4530_4562	371540, 355984 to 372005, 356086	342	351	1,129
4533_4534	385607, 394241 to 385573, 394505	2,270	2,588	3,698
4533_4792	385607, 394241 to 388461, 389279	1,534	1,843	2,179
4534_4528	385573, 394505 to 371527, 355667	13,277	14,194	13,249
4534_4544	385573, 394505 to 371811, 355584	11,193	11,835	11,938
4537_4527	371615, 354326 to 371526, 354426	813	839	867
4538_4526	371658, 354252 to 371521, 354400	12,903	12,798	13,018
4539_4636	371379, 357080 to 371531, 357088	4,890	5,735	6,038
4552_4541	371959, 355925 to 371826, 355919	1,466	1,761	2,101
4562_4676	372005, 356086 to 371975, 356208	342	351	1,129
4563_4552	371987, 355768 to 371959, 355925	1,467	1,761	2,102
4563_4576	371987, 355768 to 372154, 355882	1,467	1,761	2,102
4565_4559	372012, 356217 to 371941, 356374	14,348	13,840	13,706
4565_4676_01	372012, 356217 to 371975, 356208	736	741	1,474
4568_4522	372025, 355276 to 371988, 355195	285	284	285
4568_4581	372025, 355276 to 372239, 355365	159	159	159
4569_4565	372044, 356134 to 372012, 356217	14,720	14,231	13,373
4573_4544	372109, 355557 to 371811, 355584	11,446	12,099	12,201
4573_4578	372109, 355557 to 372238, 355489	12,443	13,091	13,188
4575_4569	372147, 355892 to 372044, 356134	15,756	15,251	14,361
4576_4575	372154, 355882 to 372147, 355892	15,756	15,251	14,360

Background Information and Data

Air quality

BID AQ-002-0MA01

MA01: Hough to Walley's Green

Additional data used in the air quality assessment

Road ID	Start and end coordinates	AADT		
		2025 without the Proposed Scheme	2025 Scenario 2 with the Proposed Scheme	2025 Scenario 3 with the Proposed Scheme
4582_4586_01	372254, 353726 to 372274, 353738	802	802	802
4583_4590_01	372255, 353782 to 372288, 353768	9,201	9,010	8,994
4584_4576	372262, 355702 to 372154, 355882	17,173	16,964	16,406
4586_4587_01	372274, 353738 to 372274, 353744	16,797	16,844	17,156
4587_4583_01	372274, 353744 to 372255, 353782	7,654	7,609	7,752
4587_4590_01	372274, 353744 to 372288, 353768	9,146	9,239	9,425
4588_4581	372275, 355376 to 372239, 355365	16,047	16,159	16,236
4588_4593_01	372275, 355376 to 372303, 355403	7,868	8,129	8,306
4589_4582_01	372282, 353720 to 372254, 353726	716	712	712
4589_4586_01	372282, 353720 to 372274, 353738	15,994	16,044	16,354
4590_4594_01	372288, 353768 to 372303, 353773	18,348	18,196	18,290
4591_4589_01	372291, 353714 to 372282, 353720	16,710	16,756	17,066
4592_30001_01	372281, 355447 to 372307, 355435	6,907	7,501	7,628
4592_4578	372281, 355447 to 372238, 355489	12,443	13,091	13,188
4593_4596_01	372303, 355403 to 372301, 355418	22,374	22,647	23,708
4594_4599_01	372303, 353773 to 372323, 353799	8,053	8,005	8,160
4594_4601_01	372303, 353773 to 372325, 353768	10,294	10,194	10,153
4596_30001_01	372301, 355418 to 372307, 355435	16,838	17,057	18,147
4596_4592_01	372301, 355418 to 372281, 355447	5,536	5,590	5,561
4597_4591_01	372317, 353711 to 372291, 353714	6,531	6,951	6,863
4597_9023	372317, 353711 to 364942, 391642	11,734	10,456	10,523
4598_4588_01	372319, 355362 to 372275, 355376	8,179	8,030	7,930
4598_4593_01	372319, 355362 to 372303, 355403	14,508	14,548	15,407
4599_4601_01	372323, 353799 to 372325, 353768	9,209	8,814	8,976
4599_4605	372323, 353799 to 372343, 353871	17,262	16,819	17,137
4600_30002_01	372314, 355472 to 372331, 355448	8,719	7,793	6,832
4600_4595	372314, 355472 to 372302, 355507	17,111	16,403	15,265
4601_4603_01	372325, 353768 to 372338, 353736	19,379	18,832	19,001
4602_4597_01	372329, 353718 to 372317, 353711	18,265	17,407	17,386
4603_4602_01	372338, 353736 to 372329, 353718	11,290	10,021	10,103
4603_4607_01	372338, 353736 to 372352, 353709	8,090	8,811	8,899
4604_30002_01	372317, 355444 to 372331, 355448	15,354	15,957	17,353
4604_4600_01	372317, 355444 to 372314, 355472	8,392	8,610	8,434
4606_4609_01	372345, 355444 to 372363, 355462	9,667	9,842	10,707
4606_9016_01	372345, 355444 to 384280, 378540	14,307	13,640	13,335
4607_4602_01	372352, 353709 to 372329, 353718	6,976	7,394	7,287

Background Information and Data

Air quality

BID AQ-002-0MA01

MA01: Hough to Walley's Green

Additional data used in the air quality assessment

Road ID	Start and end coordinates	AADT		
		2025 without the Proposed Scheme	2025 Scenario 2 with the Proposed Scheme	2025 Scenario 3 with the Proposed Scheme
4608_4605	372354, 353912 to 372343, 353871	17,262	16,819	17,137
4609_9016_01	372363, 355462 to 384280, 378540	10,371	10,970	11,450
4610_4591	372364, 353227 to 372291, 353714	10,181	9,808	10,206
4610_9023_01	372364, 353227 to 364942, 391642	462	457	460
4613_4626_01	372399, 353182 to 372363, 353197	10,610	10,232	10,632
4614_4608	372431, 354180 to 372354, 353912	17,092	16,707	17,028
4615_4614	372491, 354394 to 372431, 354180	17,224	16,882	17,214
4616_4615	372545, 354603 to 372491, 354394	17,126	16,784	17,116
4617_4616	372549, 354910 to 372545, 354603	17,266	16,923	17,257
4620_4622_01	372625, 352740 to 372635, 352769	17,819	17,685	18,112
4621_11034	372630, 352723 to 370748, 352706	15,896	15,663	15,559
4621_4620_01	372630, 352723 to 372625, 352740	3,201	3,176	3,287
4622_4613	372635, 352769 to 372399, 353182	10,285	9,913	10,316
4622_9030_01	372635, 352769 to 372665, 352785	7,534	7,772	7,797
4624_4609	373576, 357231 to 372363, 355462	20,038	20,812	22,156
4624_9118	373576, 357231 to 374377, 358075	21,532	22,647	23,122
4626_4610_01	372363, 353197 to 372364, 353227	10,643	10,266	10,666
4628_4287	369882, 358035 to 370310, 358208	10,082	12,927	1,320
4629_4630	369143, 357907 to 369107, 357890	8,094	8,032	5,579
4629_4632	369143, 357907 to 369374, 357976	11,192	11,280	7,270
4630_4631	369107, 357890 to 368955, 357822	8,552	8,587	6,583
4632_4634	369374, 357976 to 369486, 357970	11,417	11,500	7,489
4633_4628	369712, 357966 to 369882, 358035	10,254	12,822	1,291
4634_4633	369486, 357970 to 369712, 357966	11,530	11,610	7,599
4636_4637	371531, 357088 to 371837, 357067	4,711	5,596	5,888
4636_R	371531, 357088	2,400	2,833	2,982
4637_9297	371837, 357067 to 372864, 357519	4,711	5,596	5,888
4638_4639	370710, 357210 to 370608, 357216	18,630	16,944	20,516
4639_4323_01	370608, 357216 to 370597, 357209	11,770	13,624	13,468
4639_4638_01	370608, 357216 to 370710, 357210	10,886	10,288	11,997
4640_4641	370725, 356590 to 370712, 356529	10,965	10,710	11,047
4677_4539	371634, 356655 to 371379, 357080	14,579	14,059	13,936
4677_4559	371634, 356655 to 371941, 356374	14,579	14,059	13,936
4678_4278	370374, 356969 to 370322, 356901	9,500	9,824	10,917
4693_4566	372138, 355313 to 372013, 355216	15,888	16,000	16,078
4693_4581	372138, 355313 to 372239, 355365	15,888	16,000	16,078

Background Information and Data

Air quality

BID AQ-002-0MA01

MA01: Hough to Walley's Green

Additional data used in the air quality assessment

Road ID	Start and end coordinates	AADT		
		2025 without the Proposed Scheme	2025 Scenario 2 with the Proposed Scheme	2025 Scenario 3 with the Proposed Scheme
4703_4502	371080, 357178 to 371355, 357112	11,838	12,180	13,083
4704_4290_01	370413, 357322 to 370594, 357228	9,230	9,289	9,796
4764_4287	370369, 357758 to 370310, 358208	1,877	3,164	6,818
4791_4280	370380, 357677 to 370325, 357365	3,287	4,448	8,310
4791_4764	370380, 357677 to 370369, 357758	1,736	3,004	6,708
4792_4541	388461, 389279 to 371826, 355919	1,467	1,763	2,101
4796_4008	367930, 356701 to 363919, 391589	5,102	4,600	4,428
4796_4010	367930, 356701 to 366275, 392103	6,873	6,623	6,562
4851_4584	372289, 355547 to 372262, 355702	17,111	16,403	15,265
4851_4595	372289, 355547 to 372302, 355507	17,111	16,403	15,265
4900_4583	372005, 353972 to 372255, 353782	16,854	16,618	16,746
5057_7040	368670, 384250 to 369054, 362697	7,501	8,655	8,514
5057_9001	368670, 384250 to 387999, 396181	7,501	8,655	8,514
5058_5060	368790, 385570 to 368380, 386820	13,771	15,510	14,755
5058_9008	368790, 385570 to 383140, 379280	14,100	15,797	15,115
5060_9007	368380, 386820 to 371017, 359479	13,771	15,510	14,755
5107_5110_01	365771, 353527 to 365784, 353546	5,545	5,504	5,490
5109_5107_01	365784, 353520 to 365771, 353527	1,987	2,783	2,716
5110_5112_01	365784, 353546 to 365794, 353536	94	82	84
5110_5117_01	365784, 353546 to 365810, 353553	5,350	5,318	5,302
5111_5109_01	365789, 353522 to 365784, 353520	7,525	8,129	7,923
5112_5113_01	365794, 353536 to 365794, 353533	6,050	5,734	5,606
5113_5111_01	365794, 353533 to 365789, 353522	5,129	4,889	4,744
5113_5116_01	365794, 353533 to 365808, 353516	922	845	862
5116_5111_01	365808, 353516 to 365789, 353522	2,398	3,240	3,181
5117_5112_01	365810, 353553 to 365794, 353536	5,956	5,652	5,522
5125_5128_01	383000, 388930 to 382982, 388833	5,350	5,318	5,302
5128_8059_01	382982, 388833 to 377110, 367360	19,035	18,615	18,394
5132_5125_01	365936, 353634 to 383000, 388930	5,956	5,652	5,522
5132_5128_01	365936, 353634 to 382982, 388833	14,010	13,632	13,423
5134_5132_01	365942, 353637 to 365936, 353634	19,967	19,284	18,945
5158_5170_01	366961, 352565 to 367003, 352583	6,136	5,914	5,844
5169_5117	365816, 353556 to 365810, 353553	11,306	10,970	10,824
5169_5125	365816, 353556 to 383000, 388930	11,306	10,970	10,824
5170_5172_01	367003, 352583 to 367005, 352589	16,861	17,158	16,974
5171_5158_01	367013, 352562 to 366961, 352565	7,884	8,079	8,038

Background Information and Data

Air quality

BID AQ-002-0MA01

MA01: Hough to Walley's Green

Additional data used in the air quality assessment

Road ID	Start and end coordinates	AADT		
		2025 without the Proposed Scheme	2025 Scenario 2 with the Proposed Scheme	2025 Scenario 3 with the Proposed Scheme
5171_5170_01	367013, 352562 to 367003, 352583	11,014	11,641	11,479
5172_8069_01	367005, 352589 to 376825, 390614	11,362	11,334	11,175
5172_8098_01	367005, 352589 to 367022, 352604	5,499	5,824	5,799
5173_5171_01	367029, 352557 to 367013, 352562	18,898	19,720	19,518
5174_5173_01	367056, 352533 to 367029, 352557	11,064	10,935	10,630
6020_9209	378713, 356724 to 377428, 357951	4,145	4,898	5,411
7055_7054	368289, 361636 to 367745, 360657	9,703	10,191	10,055
7055_7056	368289, 361636 to 368377, 360843	7,378	9,104	9,220
8056_8058_01	378310, 381690 to 377670, 382580	10,317	10,551	10,426
8056_8097	378310, 381690 to 365831, 353642	21,722	22,137	21,784
8058_8122_01	377670, 382580 to 365916, 353684	16,686	16,201	16,112
8059_8056_01	377110, 367360 to 378310, 381690	11,406	11,586	11,358
8059_8058_01	377110, 367360 to 377670, 382580	7,629	7,030	7,036
8060_8061_01	365937, 353683 to 372410, 380380	8,435	8,368	8,199
8060_8063_01	365937, 353683 to 365982, 353691	9,513	9,104	9,180
8061_8062_01	372410, 380380 to 365954, 353655	16,171	15,670	15,364
8062_5134_01	365954, 353655 to 365942, 353637	8,596	7,912	7,716
8062_8064_01	365954, 353655 to 376045, 391245	7,575	7,758	7,648
8063_8061_01	365982, 353691 to 372410, 380380	8,643	8,346	8,196
8064_5134_01	376045, 391245 to 365942, 353637	11,362	11,334	11,175
8065_8063	378259, 389475 to 365982, 353691	18,156	17,450	17,377
8067_8065	377210, 389884 to 378259, 389475	21,512	21,495	21,554
8069_8064	376825, 390614 to 376045, 391245	18,937	19,092	18,823
8069_8098_01	376825, 390614 to 367022, 352604	7,575	7,758	7,648
8071_8067	376241, 389228 to 377210, 389884	21,385	21,444	21,482
8074_8084_01	374071, 387678 to 376764, 387568	4,045	3,921	3,841
8076_8074	376550, 388526 to 374071, 387678	24,075	23,612	23,629
8076_8081_01	376550, 388526 to 376889, 388054	10,419	10,121	10,168
8077_4008	376818, 388674 to 363919, 391589	14,515	13,784	13,545
8077_8079	376818, 388674 to 377975, 388700	14,514	13,784	13,545
8078_8080_01	377654, 388995 to 377648, 388364	6,218	6,051	5,759
8078_8082_01	377654, 388995 to 376999, 388014	4,800	4,846	5,186
8079_8080	377975, 388700 to 377648, 388364	14,973	14,746	14,417
8080_8082_01	377648, 388364 to 376999, 388014	8,754	8,694	8,658
8081_8078_01	376889, 388054 to 377654, 388995	11,018	10,898	10,945
8082_4001_01	376999, 388014 to 365860, 385010	13,554	13,566	13,864

Background Information and Data

Air quality

BID AQ-002-0MA01

MA01: Hough to Walley's Green

Additional data used in the air quality assessment

Road ID	Start and end coordinates	AADT		
		2025 without the Proposed Scheme	2025 Scenario 2 with the Proposed Scheme	2025 Scenario 3 with the Proposed Scheme
8083_8076_01	377122, 387834 to 376550, 388526	13,657	13,490	13,461
8083_8081_01	377122, 387834 to 376889, 388054	599	779	781
8084_8074	376764, 387568 to 374071, 387678	5,701	5,156	5,081
8085_30108	376642, 387749 to 367985, 358562	14,964	14,512	14,778
8085_7054	376642, 387749 to 367745, 360657	7,591	6,659	6,996
8086_8089	376480, 387958 to 376911, 387248	7,063	7,484	6,478
8086_8126	376480, 387958 to 367982, 358255	7,715	8,154	7,224
8088_30109	376653, 387372 to 368110, 357255	13,201	12,277	12,205
8088_8089_01	376653, 387372 to 376911, 387248	5,180	4,542	4,442
8089_4012	376911, 387248 to 364996, 391185	6,288	5,976	4,598
8089_8086_01	376911, 387248 to 376480, 387958	2,954	2,781	2,527
8089_8088	376911, 387248 to 376653, 387372	11,845	10,936	10,864
8089_R	376911, 387248	6,299	6,099	5,485
8090_7056	377111, 387489 to 368377, 360843	6,648	7,439	7,689
8090_8085	377111, 387489 to 376642, 387749	6,648	7,118	7,009
8095_8071	376241, 386870 to 376241, 389228	21,342	21,473	21,507
8095_8074	376241, 386870 to 374071, 387678	21,342	21,473	21,507
8098_8099_01	367022, 352604 to 367028, 352604	13,071	13,551	13,401
8099_8101_01	367028, 352604 to 367045, 352596	7,134	7,359	7,251
8099_8104_01	367028, 352604 to 367065, 352624	5,937	6,191	6,150
8100_5173_01	367045, 352564 to 367029, 352557	7,833	8,777	8,872
8100_5174_01	367045, 352564 to 367056, 352533	8,032	7,635	7,370
8101_8103_01	367045, 352596 to 367049, 352588	15,250	15,314	15,133
8102_8100_01	367048, 352571 to 367045, 352564	15,865	16,412	16,242
8103_8102_01	367049, 352588 to 367048, 352571	14,341	14,361	14,169
8103_8105_01	367049, 352588 to 367085, 352585	909	954	964
8104_8075	367065, 352624 to 375881, 388059	14,088	14,245	14,153
8104_8101_01	367065, 352624 to 367045, 352596	8,151	8,054	8,003
8105_8102_01	367085, 352585 to 367048, 352571	1,526	2,059	2,083
8105_8106	367085, 352585 to 367543, 352389	2,435	3,013	3,046
8113_8118	367826, 352639 to 379319, 388816	895	1,513	1,590
8114_14055	367839, 352332 to 367985, 352313	2,630	3,223	3,318
8114_8106	367839, 352332 to 367543, 352389	2,191	2,787	2,881
8118_14055	379319, 388816 to 367985, 352313	3,502	4,712	4,893
8118_8119	379319, 388816 to 368025, 352660	3,834	4,389	4,463
8119_4783	368025, 352660 to 368036, 352746	3,708	4,261	4,331

Background Information and Data

Air quality

BID AQ-002-0MA01

MA01: Hough to Walley's Green

Additional data used in the air quality assessment

Road ID	Start and end coordinates	AADT		
		2025 without the Proposed Scheme	2025 Scenario 2 with the Proposed Scheme	2025 Scenario 3 with the Proposed Scheme
8122_8060_01	365916, 353684 to 365937, 353683	17,948	17,472	17,379
8126_30108	367982, 358255 to 367985, 358562	7,818	8,227	7,308
9001_9008	387999, 396181 to 383140, 379280	16,813	17,814	17,747
9004_9001	370964, 363995 to 387999, 396181	9,982	9,813	9,928
9006_4391	370785, 359069 to 370793, 358613	19,167	20,644	18,347
9006_9007	370785, 359069 to 371017, 359479	19,338	20,981	18,802
9007_9022_01	371017, 359479 to 364952, 391649	11,901	12,905	11,262
9009_9008	384270, 378800 to 383140, 379280	3,304	3,471	3,220
9012_9027	380200, 379450 to 389046, 391033	2,885	3,022	3,308
9014_4598_01	372339, 355353 to 372319, 355362	22,687	22,576	23,337
9015_9009	384260, 378610 to 384270, 378800	2,989	3,026	2,836
9016_9019_01	384280, 378540 to 385130, 377640	24,686	24,596	24,787
9017_9014_01	372371, 355306 to 372339, 355353	8,123	8,130	8,290
9017_9021	372371, 355306 to 364897, 391745	17,345	17,002	17,337
9018_9014_01	389245, 389636 to 372339, 355353	14,574	14,416	15,048
9018_9017_01	389245, 389636 to 372371, 355306	9,223	8,871	9,048
9019_9020_01	385130, 377640 to 364907, 391751	17,748	17,539	18,353
9019_9024_01	385130, 377640 to 372405, 355400	6,939	7,056	6,433
9020_9018_01	364907, 391751 to 389245, 389636	23,796	23,277	24,095
9021_4617	364897, 391745 to 372549, 354910	17,266	16,923	17,257
9022_9007	364952, 391649 to 371017, 359479	11,901	12,905	11,262
9023_9294_01	364942, 391642 to 372416, 353227	12,197	10,914	10,983
9024_9020_01	372405, 355400 to 364907, 391751	6,039	5,760	5,752
9024_9028	372405, 355400 to 385208, 387884	12,978	12,817	12,185
9025_4613_01	372420, 353207 to 372399, 353182	324	318	315
9025_9030	372420, 353207 to 372665, 352785	11,514	10,242	10,309
9027_9310	389046, 391033 to 372482, 352630	18	19	19
9027_9324	389046, 391033 to 372932, 352304	876	948	1,073
9029_11055	372637, 351315 to 371569, 351258	10,218	10,329	10,376
9030_9031_01	372665, 352785 to 372701, 352769	19,054	18,034	18,127
9031_9032_01	372701, 352769 to 372711, 352744	5,712	5,714	5,542
9031_9060	372701, 352769 to 373337, 352816	13,342	12,320	12,584
9032_9301_01	372711, 352744 to 372686, 352703	19,097	18,838	18,833
9033_9022	372768, 360163 to 364952, 391649	11,581	11,961	11,339
9037_9028	373162, 355510 to 385208, 387884	3,157	2,892	2,918
9051_9053	373301, 353290 to 373336, 352900	9,790	9,894	10,128

Background Information and Data

Air quality

BID AQ-002-0MA01

MA01: Hough to Walley's Green

Additional data used in the air quality assessment

Road ID	Start and end coordinates	AADT		
		2025 without the Proposed Scheme	2025 Scenario 2 with the Proposed Scheme	2025 Scenario 3 with the Proposed Scheme
9051_9354	373301, 353290 to 372826, 353500	14,206	15,384	15,358
9058_9053	373328, 352455 to 373336, 352900	9,401	9,518	9,747
9058_9290	373328, 352455 to 373020, 352715	2,002	2,068	2,228
9060_9120	373337, 352816 to 374415, 352397	13,342	12,320	12,584
9061_9032	373337, 352804 to 372711, 352744	13,378	13,099	13,276
9062_9297	373391, 357206 to 372864, 357519	4,711	5,596	5,888
9065_9062	373498, 356992 to 373391, 357206	5,213	5,945	6,533
9066_9028_01	373512, 355134 to 385208, 387884	9,824	9,929	9,273
9067_9051	373519, 353286 to 373301, 353290	7,066	8,472	8,475
9067_9069_01	373519, 353286 to 373534, 353309	3,752	4,496	4,583
9068_4624	373526, 357295 to 373576, 357231	7,465	7,923	7,781
9068_9062	373526, 357295 to 373391, 357206	6,409	7,613	7,307
9068_9298	373526, 357295 to 373337, 358623	6,108	7,063	6,784
9069_9070_01	373534, 353309 to 373541, 353330	4,466	5,203	5,279
9070_9076_01	373541, 353330 to 373562, 353324	1,794	2,398	2,555
9070_9078_01	373541, 353330 to 373567, 353364	2,672	2,805	2,724
9071_9067_01	373548, 353299 to 373519, 353286	3,314	3,976	3,892
9071_9069_01	373548, 353299 to 373534, 353309	715	707	696
9072_9065	373550, 356865 to 373498, 356992	3,252	3,579	3,726
9073_9071_01	373553, 353299 to 373548, 353299	4,029	4,683	4,588
9076_9077_01	373562, 353324 to 373565, 353314	6,385	6,813	6,718
9077_9073_01	373565, 353314 to 373553, 353299	2,596	2,799	2,852
9077_9079_01	373565, 353314 to 373583, 353283	3,789	4,014	3,865
9078_9076_01	373567, 353364 to 373562, 353324	4,591	4,415	4,163
9079_9073_01	373583, 353283 to 373553, 353299	1,433	1,884	1,736
9080_9078	373614, 353393 to 373567, 353364	7,263	7,220	6,887
9087_9065	373682, 357077 to 373498, 356992	2,240	2,665	3,110
9113_9087	374217, 357137 to 373682, 357077	1,482	1,961	2,366
9118_3046	374377, 358075 to 374699, 358261	21,514	22,662	23,104
9119_9061	374414, 352360 to 373337, 352804	13,378	13,099	13,276
9119_9120_01	374414, 352360 to 374415, 352397	3,610	3,784	3,805
9120_9123_01	374415, 352397 to 374427, 352409	16,339	15,470	15,781
9121_9119_01	374424, 352350 to 374414, 352360	16,988	16,926	17,093
9122_9057	374426, 352324 to 373327, 351311	5,904	5,124	5,276
9122_9121_01	374426, 352324 to 374424, 352350	2,537	2,097	2,261
9123_9124_01	374427, 352409 to 374434, 352433	1,433	1,884	1,736

Background Information and Data

Air quality

BID AQ-002-0MA01

MA01: Hough to Walley's Green

Additional data used in the air quality assessment

Road ID	Start and end coordinates	AADT		
		2025 without the Proposed Scheme	2025 Scenario 2 with the Proposed Scheme	2025 Scenario 3 with the Proposed Scheme
9123_9125_01	374427, 352409 to 374448, 352412	14,842	13,530	13,987
9124_9079	374434, 352433 to 373583, 353283	5,222	5,898	5,601
9124_9125_01	374434, 352433 to 374448, 352412	3,789	4,014	3,865
9125_9127_01	374448, 352412 to 374468, 352404	18,257	17,183	17,499
9126_9121_01	374453, 352343 to 374424, 352350	14,449	14,825	14,852
9126_9122_01	374453, 352343 to 374426, 352324	3,367	3,027	3,015
9127_9128_01	374468, 352404 to 374479, 352378	728	700	700
9127_9130_01	374468, 352404 to 374540, 352431	17,307	16,166	16,507
9128_9126_01	374479, 352378 to 374453, 352343	17,816	17,852	17,842
9130_9291	374540, 352431 to 376183, 352932	17,307	16,166	16,507
9138_3046_01	374725, 358248 to 374699, 358261	10,369	11,143	11,636
9138_3047_01	374725, 358248 to 374723, 358276	3,858	3,972	3,983
9139_9138_01	374733, 358241 to 374725, 358248	14,229	15,115	15,619
9142_9139_01	374746, 358210 to 374733, 358241	5,187	5,561	5,394
9144_9139_01	374758, 358242 to 374733, 358241	9,045	9,560	10,227
9144_9142_01	374758, 358242 to 374746, 358210	4,484	4,473	4,324
9146_9149	374789, 357488 to 374885, 357752	4,463	5,100	5,392
9149_9142	374885, 357752 to 374746, 358210	9,671	10,034	9,718
9149_9150	374885, 357752 to 374975, 357726	8,261	9,068	9,310
9152_9150	375047, 357734 to 374975, 357726	6,153	7,027	7,263
9155_3054	375395, 358906 to 374799, 358276	18,280	18,969	19,578
9155_3114	375395, 358906 to 375917, 360463	19,395	20,185	20,558
9157_9165	376020, 352809 to 376256, 352637	2,234	2,871	2,364
9157_9329	376020, 352809 to 375464, 353250	2,234	2,871	2,364
9164_9152	376253, 357447 to 375047, 357734	4,887	5,798	6,030
9173_9155	376376, 358591 to 375395, 358906	1,116	1,232	1,315
9191_6001	376946, 354289 to 377768, 354601	11,256	11,540	11,503
9194_9216	377013, 352665 to 377577, 352450	17,307	16,166	16,507
9197_9189	377104, 360836 to 376706, 360695	3,208	3,383	3,341
9202_9197	377235, 360883 to 377104, 360836	3,425	3,594	3,554
9202_9201	377235, 360883 to 377234, 360534	1,123	1,416	1,305
9203_3146	377237, 361027 to 377323, 361283	6,886	6,814	6,778
9203_9202	377237, 361027 to 377235, 360883	4,549	5,010	4,860
9204_9164	377238, 357844 to 376253, 357447	4,921	5,830	6,067
9204_9175	377238, 357844 to 376383, 358587	977	1,096	1,176
9204_9209	377238, 357844 to 377428, 357951	5,898	6,926	7,243

Background Information and Data

Air quality

BID AQ-002-0MA01

MA01: Hough to Walley's Green

Additional data used in the air quality assessment

Road ID	Start and end coordinates	AADT		
		2025 without the Proposed Scheme	2025 Scenario 2 with the Proposed Scheme	2025 Scenario 3 with the Proposed Scheme
9205_9200	377270, 360501 to 377148, 360122	1,176	1,461	1,352
9206_9190	377298, 353148 to 376742, 352434	3,163	3,404	3,248
9209_15053	377428, 357951 to 377720, 358258	2,025	2,293	2,101
9213_3179	377552, 360412 to 377163, 361420	41,707	43,621	43,500
9215_9330	377636, 352793 to 377581, 353076	41,707	43,621	43,500
9216_9220_01	377577, 352450 to 377645, 352420	17,307	16,166	16,507
9218_9206	377631, 352478 to 377298, 353148	7,283	6,674	6,833
9218_9222_01	377631, 352478 to 377663, 352462	2,630	2,424	2,479
9219_9234	377687, 352782 to 377869, 351806	36,783	36,594	36,195
9219_9352	377687, 352782 to 377722, 352598	11,956	14,033	14,243
9220_9221_01	377645, 352420 to 377647, 352437	29,289	28,197	28,501
9221_9218_01	377647, 352437 to 377631, 352478	4,653	4,250	4,354
9221_9222_01	377647, 352437 to 377663, 352462	24,636	23,947	24,146
9222_9224_01	377663, 352462 to 377676, 352469	27,101	26,193	26,456
9223_20280_01	377674, 352379 to 377613, 352392	17,088	17,151	17,142
9223_9220_01	377674, 352379 to 377645, 352420	11,906	12,038	11,978
9224_9215	377676, 352469 to 377636, 352793	9,631	10,176	10,060
9224_9227_01	377676, 352469 to 377779, 352492	17,471	16,017	16,396
9225_9223_01	377705, 352371 to 377674, 352379	28,994	29,189	29,121
9227_9229_01	377779, 352492 to 377800, 352481	29,457	30,096	30,672
9229_9231_01	377800, 352481 to 377821, 352429	7,911	6,927	7,009
9230_9225_01	377810, 352400 to 377705, 352371	22,312	22,343	22,342
9230_9234	377810, 352400 to 377869, 351806	5,284	4,469	4,563
9231_9230_01	377821, 352429 to 377810, 352400	27,596	26,811	26,905
9233_9215	377842, 351857 to 377636, 352793	32,064	33,632	33,429
9233_9353	377842, 351857 to 377736, 352204	6,689	6,844	6,780
9234_9331	377869, 351806 to 377918, 351503	42,080	40,875	40,746
9287_17030	378534, 347472 to 377994, 346052	42,080	40,875	40,746
9288_9350	378515, 347472 to 377858, 351715	38,753	40,286	40,192
9289_11053	372178, 352111 to 371535, 351282	1,447	1,362	1,484
9290_9027	373020, 352715 to 389046, 391033	2,002	2,068	2,228
9291_9194	376183, 352932 to 377013, 352665	17,307	16,166	16,507
9293_9211	377011, 355282 to 377495, 355364	2,455	2,320	2,428
9294_9025_01	372416, 353227 to 372420, 353207	11,838	10,559	10,625
9301_4621_01	372686, 352703 to 372630, 352723	19,097	18,838	18,833
9306_9192	376916, 354538 to 376783, 354552	2,455	2,320	2,428

Background Information and Data

Air quality

BID AQ-002-0MA01

MA01: Hough to Walley's Green

Additional data used in the air quality assessment

Road ID	Start and end coordinates	AADT		
		2025 without the Proposed Scheme	2025 Scenario 2 with the Proposed Scheme	2025 Scenario 3 with the Proposed Scheme
9306_9293	376916, 354538 to 377011, 355282	2,455	2,320	2,428
9307_9022	372419, 359011 to 364952, 391649	6,133	7,089	6,810
9308_9351	377152, 355467 to 377606, 353168	48,739	50,423	50,427
9309_9213	377126, 355498 to 377552, 360412	41,707	43,621	43,500
9310_9311	372482, 352630 to 372595, 352680	18	19	19
9330_9309	377581, 353076 to 377126, 355498	41,707	43,621	43,500
9331_9287	377918, 351503 to 378534, 347472	42,080	40,875	40,746
9350_9233	377858, 351715 to 377842, 351857	38,753	40,286	40,192
9351_9219	377606, 353168 to 377687, 352782	48,739	50,423	50,427
9352_9227	377722, 352598 to 377779, 352492	11,956	14,033	14,243
9353_9225	377736, 352204 to 377705, 352371	6,689	6,844	6,780
9354_4607	372826, 353500 to 372352, 353709	15,066	16,205	16,185

Table 5: Traffic data (HDV) used for the construction assessment

Road ID	Start and end coordinates	HDV		
		2025 without the Proposed Scheme	2025 Scenario 2 with the Proposed Scheme	2025 Scenario 3 with the Proposed Scheme
7055_7057	368289, 361636 to 368477, 360770	658	1,460	1,351
5158_5157	366961, 352565 to 366787, 351779	198	-	-
11004_11007	369419, 352521 to 369430, 352500	105	104	104
11007_11010	369430, 352500 to 369570, 352348	108	107	108
11010_11001	369570, 352348 to 368809, 352388	21	21	21
11010_11011	369570, 352348 to 369900, 352102	87	86	86
11022_11023	370445, 352156 to 370464, 352631	36	36	37
11023_11028	370464, 352631 to 370709, 352670	76	74	75
11026_11027_01	370700, 352712 to 370702, 352737	65	63	66
11026_11057	370700, 352712 to 370068, 352640	561	763	881
11027_11030_01	370702, 352737 to 370713, 352747	361	541	666
11028_11029_01	370709, 352670 to 370710, 352699	13	12	13
11029_11026_01	370710, 352699 to 370700, 352712	625	827	946
11030_11033_01	370713, 352747 to 370744, 352744	304	485	608
11030_11036	370713, 352747 to 370941, 352918	58	57	58
11032_11028_01	370732, 352695 to 370709, 352670	63	62	62
11032_11029_01	370732, 352695 to 370710, 352699	612	815	933
11033_11035_01	370744, 352744 to 370753, 352731	372	552	675

Background Information and Data

Air quality

BID AQ-002-0MA01

MA01: Hough to Walley's Green

Additional data used in the air quality assessment

Road ID	Start and end coordinates	HDV		
		2025 without the Proposed Scheme	2025 Scenario 2 with the Proposed Scheme	2025 Scenario 3 with the Proposed Scheme
11034_11032_01	370748, 352706 to 370732, 352695	675	878	996
11035_11034_01	370753, 352731 to 370748, 352706	25	27	25
11035_4620	370753, 352731 to 372625, 352740	346	524	650
11036_11063_01	370941, 352918 to 370969, 352939	60	59	60
11037_11033	370951, 352898 to 370744, 352744	66	65	66
11037_11036_01	370951, 352898 to 370941, 352918	1	1	1
11038_11039_01	370977, 352935 to 370966, 352894	69	68	69
11039_11037_01	370966, 352894 to 370951, 352898	67	66	67
11056_11027	370061, 352652 to 370702, 352737	296	477	599
11057_14043	370068, 352640 to 367361, 351676	561	763	881
11059_11023	370576, 353083 to 370464, 352631	44	44	44
11063_11038_01	370969, 352939 to 370977, 352935	4	3	4
14033_14035_01	367275, 351732 to 367315, 351724	179	169	175
14033_5159	367275, 351732 to 367102, 351820	494	484	488
14034_14033_01	367306, 351698 to 367275, 351732	314	316	312
14034_14035_01	367306, 351698 to 367315, 351724	377	581	696
14035_14036_01	367315, 351724 to 367323, 351730	547	743	863
14036_14039_01	367323, 351730 to 367333, 351757	410	618	730
14036_14040_01	367323, 351730 to 367344, 351734	135	126	133
14037_14034_01	367324, 351671 to 367306, 351698	689	896	1,009
14038_14037_01	367330, 351640 to 367324, 351671	115	117	116
14038_14066	367330, 351640 to 367508, 351462	242	240	238
14039_14040_01	367333, 351757 to 367344, 351734	301	491	604
14040_14042_01	367344, 351734 to 367355, 351730	437	619	739
14041_14037_01	367344, 351667 to 367324, 351671	575	779	892
14041_14038_01	367344, 351667 to 367330, 351640	127	122	122
14042_14045_01	367355, 351730 to 367372, 351701	437	618	738
14042_14046_01	367355, 351730 to 367399, 351734	-	-	-
14043_14041_01	367361, 351676 to 367344, 351667	702	901	1,015
14044_11056	367372, 351693 to 370061, 352652	296	477	599
14044_14043_01	367372, 351693 to 367361, 351676	144	144	141
14045_14044_01	367372, 351701 to 367372, 351693	439	622	741
14046_14045_01	367399, 351734 to 367372, 351701	-	-	-
14046_14047	367399, 351734 to 367463, 351755	-	-	-
14049_14047	367542, 351785 to 367463, 351755	-	-	-
14049_14052	367542, 351785 to 367911, 351989	-	-	-

Background Information and Data

Air quality

BID AQ-002-0MA01

MA01: Hough to Walley's Green

Additional data used in the air quality assessment

Road ID	Start and end coordinates	HDV		
		2025 without the Proposed Scheme	2025 Scenario 2 with the Proposed Scheme	2025 Scenario 3 with the Proposed Scheme
14053_14054	367956, 352011 to 367983, 352283	-	-	-
14054_14055	367983, 352283 to 367985, 352313	-	-	-
14054_14058	367983, 352283 to 368050, 352260	-	-	-
14059_14013	368077, 351609 to 368328, 351500	149	156	156
14063_14058	368263, 352180 to 368050, 352260	-	-	-
14066_14059	367508, 351462 to 368077, 351609	242	240	238
14067_14039	367329, 351825 to 367333, 351757	712	1,108	1,334
14067_5174	367329, 351825 to 367056, 352533	712	1,108	1,334
15009_3142	376796, 362076 to 377106, 361569	7,980	8,783	8,851
15012_3176	373534, 361976 to 373651, 361850	283	307	310
15012_9302	373534, 361976 to 373033, 362063	32	40	34
15029_15028	377486, 364375 to 376185, 365077	68	71	70
15041_9308	377569, 360430 to 377152, 355467	8,139	8,949	9,024
15043_3146	377871, 360697 to 377323, 361283	-	-	-
15053_15045	377720, 358258 to 378057, 358577	47	52	47
15079_15041	377259, 361311 to 377569, 360430	8,139	8,949	9,024
18040_15029	377513, 364333 to 377486, 364375	884	835	815
18041_18040	377677, 364098 to 377513, 364333	870	821	801
18042_18040	377691, 364237 to 377513, 364333	14	14	14
18042_18041	377691, 364237 to 377677, 364098	44	44	44
20278_20281	376179, 352892 to 374534, 352396	883	1,404	1,237
20279_20278	376997, 352645 to 376179, 352892	883	1,404	1,237
20280_20279	377613, 352392 to 376997, 352645	883	1,404	1,237
20281_9128_01	374534, 352396 to 374479, 352378	883	1,404	1,237
30001_4604_01	372307, 355435 to 372317, 355444	304	655	420
30002_4606_01	372331, 355448 to 372345, 355444	331	687	456
30105_30108_01	368691, 358031 to 367985, 358562	56	392	44
30105_4012_01	368691, 358031 to 364996, 391185	129	126	117
30105_4013_02	368691, 358031 to 365254, 391390	266	583	253
30105_R	368691, 358031	225	550	208
30107_30109_01	368540, 357205 to 368110, 357255	-	-	-
30107_4012_01	368540, 357205 to 364996, 391185	5	5	5
30108_30105	367985, 358562 to 368691, 358031	177	837	164
30108_8085_01	367985, 358562 to 376642, 387749	180	639	509
30108_8126_01	367985, 358562 to 367982, 358255	153	397	498
30108_R	367985, 358562	228	741	564

Background Information and Data

Air quality

BID AQ-002-0MA01

MA01: Hough to Walley's Green

Additional data used in the air quality assessment

Road ID	Start and end coordinates	HDV		
		2025 without the Proposed Scheme	2025 Scenario 2 with the Proposed Scheme	2025 Scenario 3 with the Proposed Scheme
30109_30107	368110, 357255 to 368540, 357205	1	1	1
30109_4008_01	368110, 357255 to 363919, 391589	136	369	475
30109_8088_01	368110, 357255 to 376653, 387372	117	334	449
30109_R	368110, 357255	127	351	463
3013_3011	373770, 361057 to 373677, 361030	13	14	13
3014_3008	373778, 361686 to 373492, 361479	15	16	15
3014_3176	373778, 361686 to 373651, 361850	278	304	306
3016_3018	373805, 361357 to 373825, 361502	59	60	59
3017_3010	373826, 360873 to 373507, 360503	11	11	11
3017_3013	373826, 360873 to 373770, 361057	42	42	42
3018_3022	373825, 361502 to 373873, 361585	63	63	62
3019_3014	373854, 361608 to 373778, 361686	268	290	295
3021_3013	373856, 361111 to 373770, 361057	55	56	55
3021_3016	373856, 361111 to 373805, 361357	59	59	58
3022_3019	373873, 361585 to 373854, 361608	262	286	289
3023_3007	373906, 360273 to 373452, 360271	43	44	43
3023_3029	373906, 360273 to 374025, 360408	43	44	43
3024_3022	373960, 361469 to 373873, 361585	293	316	321
3025_3021	373916, 360967 to 373856, 361111	32	32	32
3025_3027	373916, 360967 to 373942, 360900	32	32	32
3026_3017	373949, 360570 to 373826, 360873	33	33	32
3026_3030	373949, 360570 to 374029, 360419	34	34	34
3027_3036	373942, 360900 to 374094, 360502	17	17	17
3029_3030_01	374025, 360408 to 374029, 360419	26	26	26
3030_3032_01	374029, 360419 to 374042, 360420	27	27	27
3031_3029_01	374041, 360401 to 374025, 360408	23	23	23
3032_3031_01	374042, 360420 to 374041, 360401	23	23	23
3036_3032	374094, 360502 to 374042, 360420	21	21	21
3036_3040	374094, 360502 to 382620, 390749	8	8	8
3040_3027	382620, 390749 to 373942, 360900	16	16	16
3045_3058	374594, 359712 to 374989, 359432	-	-	-
3046_3047_01	374699, 358261 to 374723, 358276	265	311	311
3047_3048_01	374723, 358276 to 374731, 358284	296	341	342
3048_3049_01	374731, 358284 to 374758, 358323	38	37	39
3048_3050_01	374731, 358284 to 374760, 358283	257	303	303
3049_3050_01	374758, 358323 to 374760, 358283	38	39	38

Background Information and Data

Air quality

BID AQ-002-0MA01

MA01: Hough to Walley's Green

Additional data used in the air quality assessment

Road ID	Start and end coordinates	HDV		
		2025 without the Proposed Scheme	2025 Scenario 2 with the Proposed Scheme	2025 Scenario 3 with the Proposed Scheme
3050_3051_01	374760, 358283 to 374763, 358281	297	342	344
3051_3052_01	374763, 358281 to 374769, 358256	35	35	35
3051_3054_01	374763, 358281 to 374799, 358276	261	307	308
3052_9144_01	374769, 358256 to 374758, 358242	333	386	375
3054_3052_01	374799, 358276 to 374769, 358256	304	359	345
3058_3060	374989, 359432 to 375023, 359776	83	83	84
3061_3058	375036, 359296 to 374989, 359432	82	82	82
3066_3049	375133, 359043 to 374758, 358323	77	77	77
3066_3061	375133, 359043 to 375036, 359296	80	80	81
3104_3107_01	375843, 360499 to 375854, 360530	1	1	1
3106_3113_01	385628, 388570 to 375915, 360513	28	29	30
3107_3106_01	375854, 360530 to 385628, 388570	25	23	24
3108_3104_01	375872, 360516 to 375843, 360499	2	2	2
3108_3107_01	375872, 360516 to 375854, 360530	22	21	22
3112_3108_01	375915, 360498 to 375872, 360516	24	23	24
3112_3113_01	375915, 360498 to 375915, 360513	269	315	316
3113_3116_01	375915, 360513 to 375926, 360520	300	348	349
3114_3115_01	375917, 360463 to 375920, 360491	268	314	316
3115_3112_01	375920, 360491 to 375915, 360498	293	337	339
3116_3117_01	375926, 360520 to 375928, 360538	5	5	5
3116_3120_01	375926, 360520 to 388351, 397403	296	342	345
3117_3120_01	375928, 360538 to 388351, 397403	3	3	3
3119_3114_01	375937, 360491 to 375917, 360463	310	366	351
3119_3115_01	375937, 360491 to 375920, 360491	24	23	23
3120_3123_01	388351, 397403 to 378350, 392182	301	347	349
3122_3119_01	378395, 392005 to 375937, 360491	333	388	374
3123_3122_01	378350, 392182 to 378395, 392005	7	8	8
3123_3126_01	378350, 392182 to 375982, 360512	294	340	341
3126_3122_01	375982, 360512 to 378395, 392005	332	387	371
3128_3126	376069, 360576 to 375982, 360512	619	721	706
3128_3130	376069, 360576 to 376125, 360657	627	726	712
3130_3101	376125, 360657 to 375764, 360874	13	18	18
3141_15008	373260, 390027 to 376788, 362038	6,744	7,435	7,565
3142_15079	377106, 361569 to 377259, 361311	8,139	8,949	9,024
3147_3146	377451, 361887 to 377323, 361283	62	63	63
3157_3098	375736, 360670 to 375630, 360819	53	54	54

Background Information and Data

Air quality

BID AQ-002-0MA01

MA01: Hough to Walley's Green

Additional data used in the air quality assessment

Road ID	Start and end coordinates	HDV		
		2025 without the Proposed Scheme	2025 Scenario 2 with the Proposed Scheme	2025 Scenario 3 with the Proposed Scheme
3157_3106	375736, 360670 to 385628, 388570	53	54	54
3164_3166	374018, 361218 to 373984, 361116	2	2	2
3166_3025	373984, 361116 to 373916, 360967	-	-	-
3169_3031	374221, 360075 to 374041, 360401	-	-	-
3169_3045	374221, 360075 to 374594, 359712	-	-	-
3179_3141	377163, 361420 to 373260, 390027	7,153	7,870	7,966
4001_4003_01	365860, 385010 to 364272, 391792	186	424	531
4001_4005_01	365860, 385010 to 364479, 391712	17	17	17
4002_8083_01	365064, 392737 to 377122, 387834	245	475	586
4003_4004_01	364272, 391792 to 364790, 392625	204	442	548
4004_4002_01	364790, 392625 to 365064, 392737	112	345	455
4004_4006_01	364790, 392625 to 363740, 391245	92	96	93
4005_4003_01	364479, 391712 to 364272, 391792	19	19	19
4006_4002_01	363740, 391245 to 365064, 392737	134	131	133
4008_30109	363919, 391589 to 368110, 357255	255	703	925
4009_4006	363137, 391477 to 363740, 391245	226	227	226
4011_4012_01	366047, 391601 to 364996, 391185	52	52	52
4012_30105	364996, 391185 to 368691, 358031	272	262	251
4012_30107	364996, 391185 to 368540, 357205	12	23	12
4012_4011	364996, 391185 to 366047, 391601	97	96	94
4012_8089_01	364996, 391185 to 376911, 387248	68	66	62
4012_R	364996, 391185	128	129	118
4013_30105	365254, 391390 to 368691, 358031	451	1,100	415
4013_4068	365254, 391390 to 368723, 357757	174	152	160
4013_4631	365254, 391390 to 368955, 357822	390	1,046	348
4013_R	365254, 391390	254	574	231
4017_4009	367905, 355659 to 363137, 391477	228	230	228
4039_4045	368182, 355892 to 357121, 393144	307	306	306
4045_4685	357121, 393144 to 368292, 355965	337	339	337
4052_4056	359064, 392930 to 368578, 355899	271	275	275
4052_4090	359064, 392930 to 368803, 356154	310	305	304
4052_4685	359064, 392930 to 368292, 355965	337	339	337
4056_4066	368578, 355899 to 375946, 386607	287	292	291
4066_4081	375946, 386607 to 368818, 355815	287	292	291
4081_4684	368818, 355815 to 368854, 355803	291	296	296
4092_4211	368879, 355794 to 386736, 388432	262	266	265

Background Information and Data

Air quality

BID AQ-002-0MA01

MA01: Hough to Walley's Green

Additional data used in the air quality assessment

Road ID	Start and end coordinates	HDV		
		2025 without the Proposed Scheme	2025 Scenario 2 with the Proposed Scheme	2025 Scenario 3 with the Proposed Scheme
4092_4674	368879, 355794 to 368980, 355585	115	114	115
4092_4684	368879, 355794 to 368854, 355803	291	296	296
4114_4631	363999, 394051 to 368955, 357822	151	724	144
4114_4635	363999, 394051 to 369208, 357503	160	732	151
4176_4183	365796, 392516 to 388603, 391657	185	751	174
4176_4635	365796, 392516 to 369208, 357503	160	732	151
4176_4710	365796, 392516 to 369560, 357354	32	38	33
4183_4705	388603, 391657 to 369733, 357436	190	755	177
4186_4199	369656, 357037 to 355809, 392660	156	165	158
4186_4710	369656, 357037 to 369560, 357354	11	18	12
4193_4195	369709, 357830 to 387515, 391210	200	206	188
4193_4633	369709, 357830 to 369712, 357966	197	199	183
4195_4203	387515, 391210 to 369836, 357454	372	946	352
4195_4705	387515, 391210 to 369733, 357436	190	755	177
4199_4204	355809, 392660 to 369844, 357240	170	173	168
4199_4249	355809, 392660 to 370159, 356994	55	63	51
4203_4204	369836, 357454 to 369844, 357240	101	106	84
4203_4217	369836, 357454 to 369921, 357468	274	842	273
4204_4206	369844, 357240 to 370004, 357279	71	69	85
4206_4225	370004, 357279 to 366842, 392497	68	67	83
4217_4239	369921, 357468 to 363693, 393315	272	842	272
4225_4239	366842, 392497 to 363693, 393315	68	67	83
4278_4249	370322, 356901 to 370159, 356994	55	63	52
4278_4261	370322, 356901 to 370244, 356718	168	172	171
4280_4239	370325, 357365 to 363693, 393315	213	787	231
4280_4704	370325, 357365 to 370413, 357322	246	818	252
4286_4318	370442, 357045 to 370588, 357213	153	149	161
4286_4678	370442, 357045 to 370374, 356969	153	149	160
4290_4329_01	370594, 357228 to 370601, 357229	183	472	182
4290_4704	370594, 357228 to 370413, 357322	247	819	251
4299_4322	370464, 356211 to 370569, 356222	52	61	49
4318_4286_01	370588, 357213 to 370442, 357045	64	61	61
4318_4290_01	370588, 357213 to 370594, 357228	147	429	162
4322_4331	370569, 356222 to 370616, 356148	176	181	172
4322_4344	370569, 356222 to 382981, 391874	121	116	120
4323_4318_01	370597, 357209 to 370588, 357213	125	407	126

Background Information and Data

Air quality

BID AQ-002-0MA01

MA01: Hough to Walley's Green

Additional data used in the air quality assessment

Road ID	Start and end coordinates	HDV		
		2025 without the Proposed Scheme	2025 Scenario 2 with the Proposed Scheme	2025 Scenario 3 with the Proposed Scheme
4323_4362	370597, 357209 to 370619, 356876	7	7	7
4329_4342	370601, 357229 to 385236, 389705	6	8	10
4329_4639_01	370601, 357229 to 370608, 357216	167	445	168
4334_4287	370425, 358304 to 370310, 358208	101	210	248
4342_4329_01	385236, 389705 to 370601, 357229	3	3	4
4342_4409	385236, 389705 to 370883, 357718	6	8	10
4344_4357	382981, 391874 to 370678, 356377	165	155	166
4344_4386	382981, 391874 to 387811, 397452	46	41	45
4357_4367	370678, 356377 to 382710, 392355	167	212	222
4362_4364	370619, 356876 to 384745, 390653	6	6	6
4364_4377	384745, 390653 to 381872, 390345	106	147	162
4367_4641	382710, 392355 to 370712, 356529	165	210	219
4374_4364	382798, 387075 to 384745, 390653	102	144	158
4374_4640	382798, 387075 to 370725, 356590	109	154	165
4377_4638	381872, 390345 to 370710, 357210	105	145	160
4391_4334	370793, 358613 to 370425, 358304	88	210	241
4409_4334	370883, 357718 to 370425, 358304	11	11	15
4409_4454	370883, 357718 to 371127, 357862	4	4	4
4410_4377	370813, 356977 to 381872, 390345	9	9	9
4410_4414	370813, 356977 to 370957, 356743	4	4	3
4410_4431	370813, 356977 to 371038, 357089	5	5	5
4417_4640	370965, 356596 to 370725, 356590	57	56	56
4428_4467	371034, 356801 to 371208, 357072	3	3	3
4431_4432_01	371038, 357089 to 371039, 357178	2	4	34
4431_4467	371038, 357089 to 371208, 357072	7	4	40
4432_4638	371039, 357178 to 370710, 357210	212	812	269
4432_4703	371039, 357178 to 371080, 357178	212	815	235
4448_4496	371071, 356720 to 371302, 357021	89	88	89
4454_4391	371127, 357862 to 370793, 358613	39	141	200
4462_4524	371154, 356624 to 371517, 356605	2	2	2
4467_4496	371208, 357072 to 371302, 357021	10	7	43
4490_4501	384940, 392606 to 371333, 354618	35	35	35
4496_4503	371302, 357021 to 371368, 356918	31	28	32
4496_4504	371302, 357021 to 371372, 357093	128	121	162
4499_4454	371325, 357264 to 371127, 357862	42	144	203
4501_4506	371333, 354618 to 371386, 354557	346	347	340

Background Information and Data

Air quality

BID AQ-002-0MA01

MA01: Hough to Walley's Green

Additional data used in the air quality assessment

Road ID	Start and end coordinates	HDV		
		2025 without the Proposed Scheme	2025 Scenario 2 with the Proposed Scheme	2025 Scenario 3 with the Proposed Scheme
4502_4499	371355, 357112 to 371325, 357264	65	166	225
4503_4524	371368, 356918 to 371517, 356605	29	27	30
4503_4657	371368, 356918 to 371184, 356738	2	2	2
4504_4502_01	371372, 357093 to 371355, 357112	264	952	443
4504_4539_01	371372, 357093 to 371379, 357080	226	913	438
4507_4509	380930, 389347 to 387670, 393635	157	156	151
4508_4919	371400, 354570 to 371323, 354657	51	51	51
4509_4692	387670, 393635 to 371419, 355661	130	129	126
4516_4508	371439, 354524 to 371400, 354570	37	37	37
4516_4527	371439, 354524 to 371526, 354426	86	86	86
4517_4506	371453, 354479 to 371386, 354557	363	363	356
4517_4520	371453, 354479 to 371464, 354466	384	396	437
4520_4526	371464, 354466 to 371521, 354400	384	396	437
4521_4528	371464, 355666 to 371527, 355667	129	128	124
4521_4692	371464, 355666 to 371419, 355661	130	129	126
4523_4524	371499, 356456 to 371517, 356605	30	28	31
4529_4528	371530, 355702 to 371527, 355667	10	10	10
4530_4533	371540, 355984 to 385607, 394241	20	20	20
4530_4562	371540, 355984 to 372005, 356086	20	20	20
4533_4534	385607, 394241 to 385573, 394505	20	20	20
4534_4528	385573, 394505 to 371527, 355667	119	119	114
4534_4544	385573, 394505 to 371811, 355584	98	98	98
4537_4527	371615, 354326 to 371526, 354426	157	157	157
4538_4526	371658, 354252 to 371521, 354400	448	460	500
4539_4636	371379, 357080 to 371531, 357088	99	96	106
4552_4541	371959, 355925 to 371826, 355919	1	1	1
4562_4676	372005, 356086 to 371975, 356208	20	20	20
4563_4552	371987, 355768 to 371959, 355925	10	10	10
4563_4576	371987, 355768 to 372154, 355882	10	10	10
4565_4559	372012, 356217 to 371941, 356374	125	816	332
4565_4676_01	372012, 356217 to 371975, 356208	27	27	26
4568_4522	372025, 355276 to 371988, 355195	8	8	8
4568_4581	372025, 355276 to 372239, 355365	1	1	1
4569_4565	372044, 356134 to 372012, 356217	106	796	313
4573_4544	372109, 355557 to 371811, 355584	100	98	99
4573_4578	372109, 355557 to 372238, 355489	124	124	124

Background Information and Data

Air quality

BID AQ-002-0MA01

MA01: Hough to Walley's Green

Additional data used in the air quality assessment

Road ID	Start and end coordinates	HDV		
		2025 without the Proposed Scheme	2025 Scenario 2 with the Proposed Scheme	2025 Scenario 3 with the Proposed Scheme
4575_4569	372147, 355892 to 372044, 356134	107	798	315
4576_4575	372154, 355882 to 372147, 355892	107	798	315
4580_4608_01	372238, 353955 to 372354, 353912	-	-	-
4582_4586_01	372254, 353726 to 372274, 353738	41	41	41
4583_4590_01	372255, 353782 to 372288, 353768	342	349	368
4584_4576	372262, 355702 to 372154, 355882	112	802	319
4586_4587_01	372274, 353738 to 372274, 353744	492	799	579
4587_4583_01	372274, 353744 to 372255, 353782	380	388	412
4587_4590_01	372274, 353744 to 372288, 353768	112	413	187
4588_4581	372275, 355376 to 372239, 355365	414	426	422
4588_4593_01	372275, 355376 to 372303, 355403	183	195	192
4589_4582_01	372282, 353720 to 372254, 353726	56	55	56
4589_4586_01	372282, 353720 to 372274, 353738	451	758	538
4590_4594_01	372288, 353768 to 372303, 353773	455	756	532
4591_4589_01	372291, 353714 to 372282, 353720	506	813	594
4592_30001_01	372281, 355447 to 372307, 355435	12	13	12
4592_4578	372281, 355447 to 372238, 355489	124	124	124
4593_4596_01	372303, 355403 to 372301, 355418	403	754	522
4594_4599_01	372303, 353773 to 372323, 353799	160	460	235
4594_4601_01	372303, 353773 to 372325, 353768	294	299	318
4596_30001_01	372301, 355418 to 372307, 355435	291	642	410
4596_4592_01	372301, 355418 to 372281, 355447	112	111	111
4597_4591_01	372317, 353711 to 372291, 353714	164	163	168
4597_9023	372317, 353711 to 364942, 391642	268	588	358
4598_4588_01	372319, 355362 to 372275, 355376	231	232	231
4598_4593_01	372319, 355362 to 372303, 355403	219	561	329
4599_4601_01	372323, 353799 to 372325, 353768	170	487	257
4599_4605	372323, 353799 to 372343, 353871	331	948	490
4600_30002_01	372314, 355472 to 372331, 355448	76	424	182
4600_4595	372314, 355472 to 372302, 355507	115	807	322
4601_4603_01	372325, 353768 to 372338, 353736	461	780	553
4602_4597_01	372329, 353718 to 372317, 353711	431	750	527
4603_4602_01	372338, 353736 to 372329, 353718	353	675	447
4603_4607_01	372338, 353736 to 372352, 353709	108	106	105
4604_30002_01	372317, 355444 to 372331, 355448	264	276	280
4604_4600_01	372317, 355444 to 372314, 355472	39	382	141

Background Information and Data

Air quality

BID AQ-002-0MA01

MA01: Hough to Walley's Green

Additional data used in the air quality assessment

Road ID	Start and end coordinates	HDV		
		2025 without the Proposed Scheme	2025 Scenario 2 with the Proposed Scheme	2025 Scenario 3 with the Proposed Scheme
4606_4609_01	372345, 355444 to 372363, 355462	217	276	269
4606_9016_01	372345, 355444 to 384280, 378540	112	419	188
4607_4602_01	372352, 353709 to 372329, 353718	78	75	79
4608_4605	372354, 353912 to 372343, 353871	331	948	490
4609_9016_01	372363, 355462 to 384280, 378540	246	299	287
4610_4591	372364, 353227 to 372291, 353714	342	648	425
4610_9023_01	372364, 353227 to 364942, 391642	25	25	25
4613_4626_01	372399, 353182 to 372363, 353197	375	681	458
4614_4608	372431, 354180 to 372354, 353912	256	874	416
4615_4614	372491, 354394 to 372431, 354180	272	890	432
4616_4615	372545, 354603 to 372491, 354394	238	856	398
4617_4616	372549, 354910 to 372545, 354603	252	871	414
4620_4622_01	372625, 352740 to 372635, 352769	613	1,107	974
4621_11034	372630, 352723 to 370748, 352706	650	851	970
4621_4620_01	372630, 352723 to 372625, 352740	267	583	337
4622_4613	372635, 352769 to 372399, 353182	345	651	427
4622_9030_01	372635, 352769 to 372665, 352785	268	456	548
4624_4609	373576, 357231 to 372363, 355462	463	575	556
4624_9118	373576, 357231 to 374377, 358075	566	665	651
4626_4610_01	372363, 353197 to 372364, 353227	367	674	449
4628_4287	369882, 358035 to 370310, 358208	85	198	202
4629_4630	369143, 357907 to 369107, 357890	237	340	205
4629_4632	369143, 357907 to 369374, 357976	228	332	194
4630_4631	369107, 357890 to 368955, 357822	245	349	219
4632_4634	369374, 357976 to 369486, 357970	234	337	199
4633_4628	369712, 357966 to 369882, 358035	102	216	58
4634_4633	369486, 357970 to 369712, 357966	243	347	207
4636_4637	371531, 357088 to 371837, 357067	98	95	105
4636_R	371531, 357088	49	48	52
4637_9297	371837, 357067 to 372864, 357519	98	95	105
4638_4639	370710, 357210 to 370608, 357216	188	752	189
4639_4323_01	370608, 357216 to 370597, 357209	124	404	124
4639_4638_01	370608, 357216 to 370710, 357210	116	396	116
4640_4641	370725, 356590 to 370712, 356529	167	211	220
4677_4539	371634, 356655 to 371379, 357080	127	818	334
4677_4559	371634, 356655 to 371941, 356374	127	818	334

Background Information and Data

Air quality

BID AQ-002-0MA01

MA01: Hough to Walley's Green

Additional data used in the air quality assessment

Road ID	Start and end coordinates	HDV		
		2025 without the Proposed Scheme	2025 Scenario 2 with the Proposed Scheme	2025 Scenario 3 with the Proposed Scheme
4678_4278	370374, 356969 to 370322, 356901	153	149	160
4693_4566	372138, 355313 to 372013, 355216	413	425	421
4693_4581	372138, 355313 to 372239, 355365	413	425	421
4703_4502	371080, 357178 to 371355, 357112	212	815	235
4704_4290_01	370413, 357322 to 370594, 357228	140	429	134
4764_4287	370369, 357758 to 370310, 358208	37	34	61
4791_4280	370380, 357677 to 370325, 357365	46	44	69
4791_4764	370380, 357677 to 370369, 357758	34	32	58
4792_4541	388461, 389279 to 371826, 355919	-	-	-
4796_4008	367930, 356701 to 363919, 391589	85	76	77
4796_4010	367930, 356701 to 366275, 392103	84	77	79
4851_4584	372289, 355547 to 372262, 355702	115	807	322
4851_4595	372289, 355547 to 372302, 355507	115	807	322
4900_4583	372005, 353972 to 372255, 353782	723	737	780
5057_7040	368670, 384250 to 369054, 362697	47	49	54
5057_9001	368670, 384250 to 387999, 396181	47	49	54
5058_5060	368790, 385570 to 368380, 386820	87	87	83
5058_9008	368790, 385570 to 383140, 379280	94	95	91
5060_9007	368380, 386820 to 371017, 359479	87	87	83
5107_5110_01	365771, 353527 to 365784, 353546	84	79	79
5109_5107_01	365784, 353520 to 365771, 353527	8	31	31
5110_5112_01	365784, 353546 to 365794, 353536	1	-	-
5110_5117_01	365784, 353546 to 365810, 353553	81	77	77
5111_5109_01	365789, 353522 to 365784, 353520	111	129	131
5112_5113_01	365794, 353536 to 365794, 353533	96	88	89
5113_5111_01	365794, 353533 to 365789, 353522	92	86	87
5113_5116_01	365794, 353533 to 365808, 353516	3	2	1
5116_5111_01	365808, 353516 to 365789, 353522	18	42	43
5117_5112_01	365810, 353553 to 365794, 353536	95	88	88
5125_5128_01	383000, 388930 to 382982, 388833	81	77	77
5128_8059_01	382982, 388833 to 377110, 367360	525	728	833
5132_5125_01	365936, 353634 to 383000, 388930	95	88	88
5132_5128_01	365936, 353634 to 382982, 388833	451	658	764
5134_5132_01	365942, 353637 to 365936, 353634	545	745	852
5158_5170_01	366961, 352565 to 367003, 352583	80	78	82
5169_5117	365816, 353556 to 365810, 353553	176	165	165

Background Information and Data

Air quality

BID AQ-002-0MA01

MA01: Hough to Walley's Green

Additional data used in the air quality assessment

Road ID	Start and end coordinates	HDV		
		2025 without the Proposed Scheme	2025 Scenario 2 with the Proposed Scheme	2025 Scenario 3 with the Proposed Scheme
5169_5125	365816, 353556 to 383000, 388930	176	165	165
5170_5172_01	367003, 352583 to 367005, 352589	519	727	840
5171_5158_01	367013, 352562 to 366961, 352565	91	94	92
5171_5170_01	367013, 352562 to 367003, 352583	445	656	766
5172_8069_01	367005, 352589 to 376825, 390614	404	611	717
5172_8098_01	367005, 352589 to 367022, 352604	114	116	123
5173_5171_01	367029, 352557 to 367013, 352562	537	751	857
5174_5173_01	367056, 352533 to 367029, 352557	410	618	730
6020_9209	378713, 356724 to 377428, 357951	49	50	49
7055_7054	368289, 361636 to 367745, 360657	367	376	374
7055_7056	368289, 361636 to 368377, 360843	258	1,045	917
8056_8058_01	378310, 381690 to 377670, 382580	303	265	262
8056_8097	378310, 381690 to 365831, 353642	684	622	614
8058_8122_01	377670, 382580 to 365916, 353684	410	601	710
8059_8056_01	377110, 367360 to 378310, 381690	381	357	352
8059_8058_01	377110, 367360 to 377670, 382580	145	370	482
8060_8061_01	365937, 353683 to 372410, 380380	241	201	200
8060_8063_01	365937, 353683 to 365982, 353691	153	383	494
8061_8062_01	372410, 380380 to 365954, 353655	383	569	685
8062_5134_01	365954, 353655 to 365942, 353637	148	140	140
8062_8064_01	365954, 353655 to 376045, 391245	235	429	545
8063_8061_01	365982, 353691 to 372410, 380380	160	390	507
8064_5134_01	376045, 391245 to 365942, 353637	404	611	717
8065_8063	378259, 389475 to 365982, 353691	312	773	1,001
8067_8065	377210, 389884 to 378259, 389475	355	820	1,047
8069_8064	376825, 390614 to 376045, 391245	640	1,039	1,263
8069_8098_01	376825, 390614 to 367022, 352604	235	429	545
8071_8067	376241, 389228 to 377210, 389884	372	838	1,063
8074_8084_01	374071, 387678 to 376764, 387568	26	28	27
8076_8074	376550, 388526 to 374071, 387678	385	846	1,067
8076_8081_01	376550, 388526 to 376889, 388054	160	388	500
8077_4008	376818, 388674 to 363919, 391589	186	644	866
8077_8079	376818, 388674 to 377975, 388700	186	644	866
8078_8080_01	377654, 388995 to 377648, 388364	93	316	429
8078_8082_01	377654, 388995 to 376999, 388014	89	89	89
8079_8080	377975, 388700 to 377648, 388364	207	668	887

Background Information and Data

Air quality

BID AQ-002-0MA01

MA01: Hough to Walley's Green

Additional data used in the air quality assessment

Road ID	Start and end coordinates	HDV		
		2025 without the Proposed Scheme	2025 Scenario 2 with the Proposed Scheme	2025 Scenario 3 with the Proposed Scheme
8080_8082_01	377648, 388364 to 376999, 388014	115	352	458
8081_8078_01	376889, 388054 to 377654, 388995	182	406	519
8082_4001_01	376999, 388014 to 365860, 385010	203	441	548
8083_8076_01	377122, 387834 to 376550, 388526	224	457	567
8083_8081_01	377122, 387834 to 376889, 388054	22	19	18
8084_8074	376764, 387568 to 374071, 387678	51	49	47
8085_30108	376642, 387749 to 367985, 358562	443	1,371	1,115
8085_7054	376642, 387749 to 367745, 360657	172	162	160
8086_8089	376480, 387958 to 376911, 387248	285	750	970
8086_8126	376480, 387958 to 367982, 358255	289	755	975
8088_30109	376653, 387372 to 368110, 357255	253	703	925
8088_8089_01	376653, 387372 to 376911, 387248	114	331	446
8089_4012	376911, 387248 to 364996, 391185	131	135	115
8089_8086_01	376911, 387248 to 376480, 387958	136	357	476
8089_8088	376911, 387248 to 376653, 387372	246	695	917
8089_R	376911, 387248	166	395	501
8090_7056	377111, 387489 to 368377, 360843	246	1,032	904
8090_8085	377111, 387489 to 376642, 387749	246	1,182	931
8095_8071	376241, 386870 to 376241, 389228	363	828	1,053
8095_8074	376241, 386870 to 374071, 387678	363	828	1,053
8098_8099_01	367022, 352604 to 367028, 352604	352	547	669
8099_8101_01	367028, 352604 to 367045, 352596	236	428	545
8099_8104_01	367028, 352604 to 367065, 352624	115	118	124
8100_5173_01	367045, 352564 to 367029, 352557	126	134	130
8100_5174_01	367045, 352564 to 367056, 352533	301	491	604
8101_8103_01	367045, 352596 to 367049, 352588	425	623	732
8102_8100_01	367048, 352571 to 367045, 352564	427	625	733
8103_8102_01	367049, 352588 to 367048, 352571	426	623	732
8103_8105_01	367049, 352588 to 367085, 352585	-	-	-
8104_8075	367065, 352624 to 375881, 388059	300	313	310
8104_8101_01	367065, 352624 to 367045, 352596	185	195	186
8105_8102_01	367085, 352585 to 367048, 352571	-	-	-
8105_8106	367085, 352585 to 367543, 352389	-	-	-
8113_8118	367826, 352639 to 379319, 388816	68	67	67
8114_14055	367839, 352332 to 367985, 352313	-	-	-
8114_8106	367839, 352332 to 367543, 352389	-	-	-

Background Information and Data

Air quality

BID AQ-002-0MA01

MA01: Hough to Walley's Green

Additional data used in the air quality assessment

Road ID	Start and end coordinates	HDV		
		2025 without the Proposed Scheme	2025 Scenario 2 with the Proposed Scheme	2025 Scenario 3 with the Proposed Scheme
8118_14055	379319, 388816 to 367985, 352313	-	-	-
8118_8119	379319, 388816 to 368025, 352660	69	69	69
8119_4783	368025, 352660 to 368036, 352746	70	69	69
8122_8060_01	365916, 353684 to 365937, 353683	395	583	694
8126_30108	367982, 358255 to 367985, 358562	291	756	976
9001_9008	387999, 396181 to 383140, 379280	113	107	110
9004_9001	370964, 363995 to 387999, 396181	73	64	65
9006_4391	370785, 359069 to 370793, 358613	125	114	99
9006_9007	370785, 359069 to 371017, 359479	124	111	98
9007_9022_01	371017, 359479 to 364952, 391649	65	80	71
9009_9008	384270, 378800 to 383140, 379280	26	34	28
9012_9027	380200, 379450 to 389046, 391033	57	56	57
9014_4598_01	372339, 355353 to 372319, 355362	449	790	560
9015_9009	384260, 378610 to 384270, 378800	25	33	26
9016_9019_01	384280, 378540 to 385130, 377640	353	706	472
9017_9014_01	372371, 355306 to 372339, 355353	108	409	183
9017_9021	372371, 355306 to 364897, 391745	248	865	408
9018_9014_01	389245, 389636 to 372339, 355353	335	379	371
9018_9017_01	389245, 389636 to 372371, 355306	140	457	226
9019_9020_01	385130, 377640 to 364907, 391751	309	664	431
9019_9024_01	385130, 377640 to 372405, 355400	43	40	41
9020_9018_01	364907, 391751 to 389245, 389636	476	829	598
9021_4617	364897, 391745 to 372549, 354910	252	871	414
9022_9007	364952, 391649 to 371017, 359479	65	80	71
9023_9294_01	364942, 391642 to 372416, 353227	293	613	383
9024_9020_01	372405, 355400 to 364907, 391751	173	172	172
9024_9028	372405, 355400 to 385208, 387884	217	211	213
9025_4613_01	372420, 353207 to 372399, 353182	30	30	30
9025_9030	372420, 353207 to 372665, 352785	264	583	354
9027_9310	389046, 391033 to 372482, 352630	4	4	4
9027_9324	389046, 391033 to 372932, 352304	3	4	4
9029_11055	372637, 351315 to 371569, 351258	142	150	194
9030_9031_01	372665, 352785 to 372701, 352769	528	1,035	896
9031_9032_01	372701, 352769 to 372711, 352744	123	126	155
9031_9060	372701, 352769 to 373337, 352816	404	908	742
9032_9301_01	372711, 352744 to 372686, 352703	917	1,435	1,296

Background Information and Data

Air quality

BID AQ-002-0MA01

MA01: Hough to Walley's Green

Additional data used in the air quality assessment

Road ID	Start and end coordinates	HDV		
		2025 without the Proposed Scheme	2025 Scenario 2 with the Proposed Scheme	2025 Scenario 3 with the Proposed Scheme
9033_9022	372768, 360163 to 364952, 391649	49	50	49
9037_9028	373162, 355510 to 385208, 387884	159	156	157
9051_9053	373301, 353290 to 373336, 352900	174	169	171
9051_9354	373301, 353290 to 372826, 353500	173	168	170
9058_9053	373328, 352455 to 373336, 352900	170	166	168
9058_9290	373328, 352455 to 373020, 352715	55	53	54
9060_9120	373337, 352816 to 374415, 352397	404	908	742
9061_9032	373337, 352804 to 372711, 352744	799	1,313	1,145
9062_9297	373391, 357206 to 372864, 357519	98	95	105
9065_9062	373498, 356992 to 373391, 357206	40	48	44
9066_9028_01	373512, 355134 to 385208, 387884	55	53	52
9067_9051	373519, 353286 to 373301, 353290	-	-	-
9067_9069_01	373519, 353286 to 373534, 353309	-	-	-
9068_4624	373526, 357295 to 373576, 357231	114	117	126
9068_9062	373526, 357295 to 373391, 357206	113	112	123
9068_9298	373526, 357295 to 373337, 358623	42	55	51
9069_9070_01	373534, 353309 to 373541, 353330	32	32	32
9070_9076_01	373541, 353330 to 373562, 353324	-	-	-
9070_9078_01	373541, 353330 to 373567, 353364	32	32	32
9071_9067_01	373548, 353299 to 373519, 353286	-	-	-
9071_9069_01	373548, 353299 to 373534, 353309	32	32	32
9072_9065	373550, 356865 to 373498, 356992	32	36	36
9073_9071_01	373553, 353299 to 373548, 353299	32	32	32
9076_9077_01	373562, 353324 to 373565, 353314	160	160	160
9077_9073_01	373565, 353314 to 373553, 353299	-	-	-
9077_9079_01	373565, 353314 to 373583, 353283	160	160	160
9078_9076_01	373567, 353364 to 373562, 353324	160	160	160
9079_9073_01	373583, 353283 to 373553, 353299	32	32	32
9080_9078	373614, 353393 to 373567, 353364	192	193	192
9087_9065	373682, 357077 to 373498, 356992	14	17	14
9113_9087	374217, 357137 to 373682, 357077	11	15	11
9118_3046	374377, 358075 to 374699, 358261	566	665	651
9119_9061	374414, 352360 to 373337, 352804	799	1,313	1,145
9119_9120_01	374414, 352360 to 374415, 352397	90	90	111
9120_9123_01	374415, 352397 to 374427, 352409	482	984	819
9121_9119_01	374424, 352350 to 374414, 352360	888	1,406	1,238

Background Information and Data

Air quality

BID AQ-002-0MA01

MA01: Hough to Walley's Green

Additional data used in the air quality assessment

Road ID	Start and end coordinates	HDV		
		2025 without the Proposed Scheme	2025 Scenario 2 with the Proposed Scheme	2025 Scenario 3 with the Proposed Scheme
9122_9057	374426, 352324 to 373327, 351311	126	130	175
9122_9121_01	374426, 352324 to 374424, 352350	58	57	79
9123_9124_01	374427, 352409 to 374434, 352433	32	32	32
9123_9125_01	374427, 352409 to 374448, 352412	450	951	786
9124_9079	374434, 352433 to 373583, 353283	192	192	191
9124_9125_01	374434, 352433 to 374448, 352412	160	160	160
9125_9127_01	374448, 352412 to 374468, 352404	601	1,103	939
9126_9121_01	374453, 352343 to 374424, 352350	832	1,351	1,182
9126_9122_01	374453, 352343 to 374426, 352324	69	73	96
9127_9128_01	374468, 352404 to 374479, 352378	19	18	18
9127_9130_01	374468, 352404 to 374540, 352431	580	1,075	912
9128_9126_01	374479, 352378 to 374453, 352343	901	1,423	1,255
9130_9291	374540, 352431 to 376183, 352932	580	1,075	912
9138_3046_01	374725, 358248 to 374699, 358261	302	354	340
9138_3047_01	374725, 358248 to 374723, 358276	30	30	31
9139_9138_01	374733, 358241 to 374725, 358248	332	385	372
9142_9139_01	374746, 358210 to 374733, 358241	34	33	33
9144_9139_01	374758, 358242 to 374733, 358241	295	349	337
9144_9142_01	374758, 358242 to 374746, 358210	37	37	38
9146_9149	374789, 357488 to 374885, 357752	72	76	72
9149_9142	374885, 357752 to 374746, 358210	72	70	71
9149_9150	374885, 357752 to 374975, 357726	18	23	18
9152_9150	375047, 357734 to 374975, 357726	18	22	17
9155_3054	375395, 358906 to 374799, 358276	567	667	653
9155_3114	375395, 358906 to 375917, 360463	578	679	666
9157_9165	376020, 352809 to 376256, 352637	23	23	22
9157_9329	376020, 352809 to 375464, 353250	23	23	22
9164_9152	376253, 357447 to 375047, 357734	16	20	16
9173_9155	376376, 358591 to 375395, 358906	12	13	12
9191_6001	376946, 354289 to 377768, 354601	199	200	200
9194_9216	377013, 352665 to 377577, 352450	580	1,075	912
9197_9189	377104, 360836 to 376706, 360695	12	12	12
9202_9197	377235, 360883 to 377104, 360836	13	13	13
9202_9201	377235, 360883 to 377234, 360534	31	33	32
9203_3146	377237, 361027 to 377323, 361283	62	63	63
9203_9202	377237, 361027 to 377235, 360883	43	46	44

Background Information and Data

Air quality

BID AQ-002-0MA01

MA01: Hough to Walley's Green

Additional data used in the air quality assessment

Road ID	Start and end coordinates	HDV		
		2025 without the Proposed Scheme	2025 Scenario 2 with the Proposed Scheme	2025 Scenario 3 with the Proposed Scheme
9204_9164	377238, 357844 to 376253, 357447	18	22	18
9204_9175	377238, 357844 to 376383, 358587	10	11	10
9204_9209	377238, 357844 to 377428, 357951	28	33	28
9205_9200	377270, 360501 to 377148, 360122	29	31	30
9206_9190	377298, 353148 to 376742, 352434	41	43	43
9209_15053	377428, 357951 to 377720, 358258	47	52	47
9213_3179	377552, 360412 to 377163, 361420	7,153	7,870	7,966
9215_9330	377636, 352793 to 377581, 353076	7,153	7,870	7,966
9216_9220_01	377577, 352450 to 377645, 352420	580	1,075	912
9218_9206	377631, 352478 to 377298, 353148	186	178	180
9218_9222_01	377631, 352478 to 377663, 352462	75	73	74
9219_9234	377687, 352782 to 377869, 351806	6,908	7,671	7,664
9219_9352	377687, 352782 to 377722, 352598	1,230	1,462	1,369
9220_9221_01	377645, 352420 to 377647, 352437	1,482	1,941	1,790
9221_9218_01	377647, 352437 to 377631, 352478	110	105	106
9221_9222_01	377647, 352437 to 377663, 352462	1,372	1,835	1,683
9222_9224_01	377663, 352462 to 377676, 352469	1,442	1,902	1,753
9223_20280_01	377674, 352379 to 377613, 352392	883	1,404	1,237
9223_9220_01	377674, 352379 to 377645, 352420	961	927	931
9224_9215	377676, 352469 to 377636, 352793	806	1,050	975
9224_9227_01	377676, 352469 to 377779, 352492	636	852	776
9225_9223_01	377705, 352371 to 377674, 352379	1,844	2,331	2,168
9227_9229_01	377779, 352492 to 377800, 352481	1,844	2,293	2,128
9229_9231_01	377800, 352481 to 377821, 352429	527	1,028	861
9230_9225_01	377810, 352400 to 377705, 352371	1,357	1,619	1,539
9230_9234	377810, 352400 to 377869, 351806	600	824	743
9231_9230_01	377821, 352429 to 377810, 352400	1,957	2,445	2,282
9233_9215	377842, 351857 to 377636, 352793	6,355	7,033	7,019
9233_9353	377842, 351857 to 377736, 352204	483	706	623
9234_9331	377869, 351806 to 377918, 351503	7,499	8,315	8,383
9287_17030	378534, 347472 to 377994, 346052	7,499	8,315	8,383
9288_9350	378515, 347472 to 377858, 351715	6,836	7,568	7,629
9289_11053	372178, 352111 to 371535, 351282	54	52	97
9290_9027	373020, 352715 to 389046, 391033	55	53	54
9291_9194	376183, 352932 to 377013, 352665	580	1,075	912
9293_9211	377011, 355282 to 377495, 355364	5	4	4

Background Information and Data

Air quality

BID AQ-002-0MA01

MA01: Hough to Walley's Green

Additional data used in the air quality assessment

Road ID	Start and end coordinates	HDV		
		2025 without the Proposed Scheme	2025 Scenario 2 with the Proposed Scheme	2025 Scenario 3 with the Proposed Scheme
9294_9025_01	372416, 353227 to 372420, 353207	294	613	385
9301_4621_01	372686, 352703 to 372630, 352723	917	1,435	1,296
9306_9192	376916, 354538 to 376783, 354552	5	4	4
9306_9293	376916, 354538 to 377011, 355282	5	4	4
9307_9022	372419, 359011 to 364952, 391649	39	52	48
9308_9351	377152, 355467 to 377606, 353168	8,139	8,949	9,024
9309_9213	377126, 355498 to 377552, 360412	7,153	7,870	7,966
9310_9311	372482, 352630 to 372595, 352680	4	4	4
9330_9309	377581, 353076 to 377126, 355498	7,153	7,870	7,966
9331_9287	377918, 351503 to 378534, 347472	7,499	8,315	8,383
9350_9233	377858, 351715 to 377842, 351857	6,836	7,568	7,629
9351_9219	377606, 353168 to 377687, 352782	8,139	8,949	9,024
9352_9227	377722, 352598 to 377779, 352492	1,230	1,462	1,369
9353_9225	377736, 352204 to 377705, 352371	483	706	623
9354_4607	372826, 353500 to 372352, 353709	187	181	185

Table 6: Construction traffic flows on the site haul routes

Road ID	No. 40 tonne ADT	No. 20 tonne Heavy Goods Vehicle	No. 40 tonne ADT (along the route)
MA01/01b	0	91	0
MA01/02	0	51	0
MA01/03	0	44	0
MA01/04	0	264	0
MA01/05	0	89	0
MA01/06	0	95	0
MA02/01	0	53	0
MA02/01a	0	114	0
MA02/01a_2	0	120	0
MA02/01a (TN01)	89	179	0
ML_246000	0	91	0
ML_248700	0	51	0
ML_250900	0	44	0
ML_252500	0	264	122
ML_252600	0	264	122
ML_252700	0	6	122
ML_252800	0	6	122
ML_252900	0	6	122

Background Information and Data

Air quality

BID AQ-002-0MA01

MA01: Hough to Walley's Green

Additional data used in the air quality assessment

Road ID	No. 40 tonne ADT	No. 20 tonne Heavy Goods Vehicle	No. 40 tonne ADT (along the route)
ML_253000	0	6	122
ML_253100	0	6	122
ML_253200	0	6	122
ML_253300	0	6	122
ML_253400	0	6	187
ML_253500	0	6	99
ML_253600	0	6	99
ML_253700	0	33	99
ML_253800	0	68	99
ML_253900	0	10	99
ML_254000	0	10	70
ML_254100	0	10	70
ML_254200	0	10	70
ML_254300	0	10	70
ML_254400	0	10	70
ML_254500	0	10	70
ML_254600	0	10	70
ML_254700	0	10	70
ML_254800	0	10	70
ML_254900	0	10	70
ML_255000	0	10	70
ML_255100	0	10	70
ML_255200	0	10	70
ML_255300	0	10	143
ML_255400	0	10	89
ML_255500	0	10	89
ML_255600	0	10	89
ML_255700	0	6	89
ML_255800	0	6	89
ML_255900	0	6	89
ML_256000	0	6	89
ML_256100	0	6	89
ML_256200	0	6	90
ML_256300	0	6	90
ML_256400	0	6	90
ML_256500	0	6	90
ML_256600	0	6	90
ML_256700	0	6	90

Background Information and Data

Air quality

BID AQ-002-0MA01

MA01: Hough to Walley's Green

Additional data used in the air quality assessment

Road ID	No. 40 tonne ADT	No. 20 tonne Heavy Goods Vehicle	No. 40 tonne ADT (along the route)
ML_256800	0	75	90
ML_256900	0	77	237

Background Information and Data

Air quality

BID AQ-002-0MA01

MA01: Hough to Walley's Green

Additional data used in the air quality assessment

5 Operational traffic data

5.1.1 Table 7 outlines the predicted flows of traffic on the highway network relating to the operation of the Proposed Scheme in 2038. The data presented is split into AADT and HDV in the 'without the Proposed Scheme' and 'with the Proposed Scheme' scenarios, together with the change between the two scenarios. It also notes whether the road will be closed, diverted or realigned permanently, due to the operation of the Proposed Scheme.

Table 7: Traffic data used for the operational assessment

Road ID	Road name	AADT			HDV			Notes
		2038 without the Proposed Scheme	2038 with the Proposed Scheme	Change	2038 without the Proposed Scheme	2038 with the Proposed Scheme	Change	
1285_2064	A530 Nantwich Road	18,320	18,208	-112	438	422	-16	Realignment

Background Information and Data

Air quality

BID AQ-002-0MA01

MA01: Hough to Walley's Green

Additional data used in the air quality assessment

6 References

Cheshire East Council (2020), *2020 Air Quality Annual Statute Report (ASR)*. Available online at: <https://moderngov.cheshireeast.gov.uk/ecminutes/documents/s80967/Appendix%201%20EC.ASR.2020.4%20Final%20Report.pdf>.

Cheshire East Council (2020), *Revised Publication Draft Site Allocations and Development Policies Document*. Available online at: https://www.cheshireeast.gov.uk/planning/spatial-planning/cheshire_east_local_plan/site-allocations-and-policies/site_allocations_and_policies.aspx.

Cheshire East Council (2017), *Cheshire East Local Plan. Local Plan Strategy 2010 – 2030*. Available online at: https://www.cheshireeast.gov.uk/planning/spatial-planning/cheshire_east_local_plan/site-allocations-and-policies/sadpd-examination/documents/examination-library/bd01-local-plan-strategy.pdf.

High Speed Two Ltd (2022), High Speed Rail (Crewe – Manchester), *Environmental Statement, Air quality report*, Appendix AQ-001-0MA01. Available online at: <https://www.gov.uk/government/collections/hs2-phase-2b-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

