

High Speed Rail (Crewe – Manchester)

Background information and data

Air quality

BID AQ-002-0MA02

MA02: Wimboldsley to Lostock Gralam

Additional data used in the air quality
assessment

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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.

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Background Information and Data
Air quality
BID AQ-002-0MA02
MA02: Wimboldsley to Lostock Gralam
Additional data used in the air quality assessment

Contents

1	Introduction	2
2	Relevant policies and guidance	3
2.2	Cheshire East Council	3
2.3	Cheshire West and Chester Council	4
3	Baseline air quality data	6
3.1	Local air quality monitoring data	6
3.2	Industrial emission sources	7
4	Construction Traffic Data	8
5	Operational traffic data	56
6	References	65

Tables

Table 1: Annual mean NO ₂ concentrations recorded at local authority diffusion tube monitoring sites	6
Table 2: Annual mean NO ₂ concentrations recorded at HS2 monitoring sites	7
Table 3: Industrial installations with permits for emissions to air	7
Table 4: Traffic data (AADT) used for the construction assessment	8
Table 5: Traffic data (HDV) used for the construction assessment	29
Table 6: Construction traffic flows on the site haul routes	51
Table 7: Traffic data used for the operational assesment	57

Background Information and Data

Air quality

BID AQ-002-0MA02

MA02: Wimboldsley to Lostock Gralam

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 Wimboldsley to Lostock Gralam area (MA02) and comprises:
- relevant policies and guidance; and
 - baseline air quality data.
- 1.1.2 Volume 5 Appendix AQ-001-0MA02¹ 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-001-0MA02. Available online at: <https://www.gov.uk/government/collections/hs2-phase-2b-crewe-manchester-environmental-statement>.

Background Information and Data

Air quality

BID AQ-002-0MA02

MA02: Wimboldsley to Lostock Gralam

Additional data used in the air quality assessment

2 Relevant policies and guidance

- 2.1.1 The Wimboldsley to Lostock Gralam area lies within the administrative areas of Cheshire East Council (CEC) and Cheshire West and Chester Council (CWCC).

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:

- the Local Plan Strategy² (adopted 27 July 2017);
- the 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 (July 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 (October 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-002-0MA02

MA02: Wimboldsley to Lostock Gralam

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.'

2.3 Cheshire West and Chester Council

2.3.1 The Cheshire West and Chester Local Plan (Part One)⁴ 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. The Local Plan (Part One) has the following policy related to air quality:

- 'SOC 5 - 'Health and well-being'
'[...] Development that gives rise to significant adverse impacts on health and quality of life (e.g. soil, noise, water, air or light pollution, and land instability, etc) including residential amenity will not be allowed.'

2.3.2 The Cheshire West and Chester Local Plan (Part Two)⁵ was adopted on 18 July 2019 and provides land allocations and detailed policies to support the strategic objectives laid out in

⁴ Cheshire West and Chester Council (2015), *Local Plan (Part One) Strategic Polices*. Available online at: http://consult.cheshirewestandchester.gov.uk/portal/cwc_ldf/adopted_cwac_lp/lp_1_adopted?tab=files.

⁵ Cheshire West and Chester Council (2019), *Local Plan (Part Two) Land Allocations and Detailed Policies*. Available online at: https://consult.cheshirewestandchester.gov.uk/portal/cwc_ldf/adopted_cwac_lp/parttwo_adopted.

Background Information and Data

Air quality

BID AQ-002-0MA02

MA02: Wimboldsley to Lostock Gralam

Additional data used in the air quality assessment

the Local Plan (Part One). The Local Plan (Part Two) has the following policies relevant to air quality:

2.3.3 'Policy DM29 – Health Impacts of New Development', states:

'Development proposals should take every reasonable opportunity to promote and positively contribute to the health of the borough in line with Local Plan (Part One) policy SOC 5. A statement considering the health implications of new build commercial and residential development should be submitted, with mitigation of negative impacts made proportionate to the scheme.'

'Where development is likely to have a significant impact, including any cumulative impacts on public health, it must be demonstrated how health and wellbeing has been taken into account through an assessment. Such applications must make a positive contribution to health and wellbeing and any negative impacts adequately mitigated.'

'Development that would give rise to significant adverse effects on health and wellbeing will not be supported.'

2.3.4 'DM31 – Air Quality', states:

'In line with Local Plan (Part One) policy SOC 5, development must not give rise to significant adverse impacts on health and quality of life, from air pollution. In particular, development proposals within or adjacent to an Air Quality Management Area will be expected to be designed to mitigate the impact of poor air quality on future occupiers.'

'An air quality assessment will be required for development proposals that have the potential for significant air quality impacts, including those which:

1. are classed as major development and have the potential, either individually or cumulatively, for significant emissions; or
2. are likely to result in an increase in pollution levels in an Air Quality Management Area (AQMA); or
3. are likely to expose people to existing sources of air pollutants.'

'Where an air quality assessment identifies an unacceptable impact on or from air quality, an appropriate scheme of mitigation must be submitted, which may take the form of on-site measures or, where appropriate, a financial contribution to off-site measures.'

'Applicants must demonstrate that appropriate mitigation will be provided to ensure that the new development is appropriate for its location and unacceptable risks are avoided.'

'Development that is likely to produce an odour should demonstrate that there is no negative impact on residential amenity, in line with Local Plan (Part One) policy SOC 5 and Local Plan (Part Two) policy DM 2.'

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 Wimboldsley to Lostock Gralam area. There are no continuous monitoring sites in this area and no PM₁₀ or PM_{2.5} monitoring is undertaken.

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

Site ^{6 7}	Ordnance Survey coordinates	Annual mean NO ₂ concentrations (µg/m ³)				
		2014	2015	2016	2017	2018
CE131, 25 Fairacre Drive	371011, 364574	14.2	12.9	14.5	12.1	13.0
CE134, Deansgate, Kinderton Street (MA02.25)	370468, 366037	39.4	35.9	38.9	36.0	34.4
CE136, 51 Chestrer Road (MA02.27)	369855, 366422	42.1	39.0	41.1	35.3	34.5
CE267, 238 Booth Lane (MA02.28)	371176, 364733	No data	No data	No data	24.5	23.5
CE268, 216 Booth Lane (MA02.29)	371606, 364859	No data	No data	No data	32.0	32.6
CE269, 35 Lewin Street (MA02.30)	370469, 366010	No data	No data	No data	41.5	39.5
CE270, Longcross Court (MA02.31)	370433, 366136	No data	No data	No data	33.8	34.0
CE271, 1 Cleford Lane (MA02.32)	371104, 364886	No data	No data	No data	24.5	26.6
CE275, 10 Nantwich Road (MA02.33)	369941, 366342	No data	No data	No data	34.1	31.2
CE276, 15/17 Chester Road (MA02.34)	363336, 366394	No data	No data	No data	45.0	43.9
CE280, 23 Newton Bank (MA02.35)	369855, 366368	No data	No data	No data	40.1	36.7
CE281, 12-14 Chester Road (MA02.36)	369783, 366466	No data	No data	No data	38.9	36.2
CE282, 5 Lewin Street (MA02.37)	370449, 366119	No data	No data	No data	43.5	41.9
AHH, Allostock Holly (MA02.39)	373255, 371475	No data	No data	21.5	17.7	19.4
AP, Pine Cottage (MA02.40)	373386, 371500	No data	No data	31.2	28.3	25.3
KR, King Street (MA02.41)	368432, 372988	35.0	33.6	35.2	33.9	32.0

⁶ Cheshire East Council (2020), *2020 Air Quality Annual Status Report (ASR)*. Available online at: <https://moderngov.cheshireeast.gov.uk/ecminutes/documents/s80967/Appendix%201%20CEC.ASR.2020.4%20Final%20Report.pdf>.

⁷ Cheshire West and Chester Council (2019), *2019 Air Quality Annual Status Report (ASR)*. Available online at: <https://www.cheshirewestandchester.gov.uk/documents/pests-pollution-food-safety/pollution-and-air-quality/air-quality-review-and-assessment/reports/air-quality-annual-status-report-2019.pdf>.

Background Information and Data
 Air quality
 BID AQ-002-0MA02
 MA02: Wimboldsley to Lostock Gramlam
 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
MA02.1 (MA02.19)	369183, 375009	28.2	25.1
MA02.2 (MA02.20)	369306, 373656	35.6	31.2
MA02.3 (MA02.21)	368538, 372746	48.5	43.0
MA02.4 (MA02.22)	367580, 366037	25.4	22.5
MA02.5 (MA02.23)	368831, 364822	35.1	27.9
MA02.6	372553, 369219	No data	14.6
MA02.7	371090, 366775	No data	24.8
MA02.8	369524, 366539	No data	31.2
MA02.9	369609, 367081	No data	15.1

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 Wimboldsley to Lostock Gramlam area.

Table 3: Industrial installations with permits for emissions to air

Operator	Permit number	Process
Advanced Medical Solutions Ltd	TP3534XD	Inorganic chemicals; salts e.g. ammonium chloride
British Salt Ltd	FP3034XD	Combustion; any fuel greater than or equal to 50MW
Centec International Ltd	BS3859IF	Organic chemicals; hydrocarbons e.g. aromatics (VOCs)
ECO-Option (UK) Ltd	RP3931XD	Inorganic chemicals; salts e.g. ammonium chloride
Farmers Boy Ltd	ZP3935CE	Animal, vegetable and food; treating etc animal raw materials (not milk) for food
Imerys PCC UK Ltd	BS5576IL	Inorganic chemicals; salts e.g. ammonium chloride
INOVYN Enterprises Ltd	BP3133ZA; and XP3934SL	Waste landfilling, more than 10 tonnes per day
Lostock Sustainable Energy Plant Ltd	WP3934AK	Incineration of non-hazardous waste, more than 1 tonne per hour
Northwich Power Limited	ZP3131QU	Medium combustion plant
Tall Trees Farm Ltd	JP3237DN	Intensive farming greater than 40,000 poultry
Tata Chemicals Europe Ltd	SP3430BF	Inorganic chemicals; salts e.g. ammonium chloride
Thor Specialities (UK) Ltd	BL6403IQ	Inorganic chemicals; salts e.g. ammonium chloride
UK Power Reserve Ltd	ZP3308PR	Tranche B SG permitting date 1 January 2019

Background Information and Data

Air quality

BID AQ-002-0MA02

MA02: Wimboldsley to Lostock Gralam

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			Notes
		2025 without the Proposed Scheme	2025 Scenario 1 with the Proposed Scheme	2025 Scenario 2 with the Proposed Scheme	
1003_1004_01	362503, 366841 to 362550, 366855	7,545	8,186	7,998	
1004_1003_01	362550, 366855 to 362503, 366841	6,348	6,134	6,320	
1004_1005_01	362550, 366855 to 362575, 366823	6,790	7,782	7,673	
1004_1006_01	362550, 366855 to 362618, 366941	5,250	6,154	5,611	
1004_R	1004_R	9,194	10,035	9,802	
1005_1004_01	362575, 366823 to 362550, 366855	6,958	7,498	7,418	
1005_1007	362575, 366823 to 362802, 366175	13,747	15,280	15,090	
1005_R	1005_R	6,874	7,640	7,545	
1006_1004	362618, 366941 to 362550, 366855	9,137	10,539	9,799	
1007_1005	362802, 366175 to 362575, 366823	13,747	15,280	15,090	
1008_1007	363174, 366264 to 362802, 366175	2,952	2,692	2,678	
1010_1009	363176, 365562 to 362893, 365973	13,305	14,149	14,200	
1010_1011	363176, 365562 to 363198, 365522	5,984	6,511	6,510	
1011_1010_01	363198, 365522 to 363176, 365562	7,321	7,638	7,690	
1011_1012_01	363198, 365522 to 363220, 365474	1,604	1,585	1,581	
1011_1013_01	363198, 365522 to 363151, 365503	3,565	3,540	3,555	
1011_1015	363198, 365522 to 363671, 365707	7,492	7,623	7,714	
1011_R	1011_R	9,991	10,194	10,271	
1012_1011_01	363220, 365474 to 363198, 365522	2,453	4,725	3,761	
1012_1016	363220, 365474 to 363282, 365353	4,057	6,310	5,342	

Background Information and Data

Air quality

BID AQ-002-0MA02

MA02: Wimboldsley to Lostock Gram

Additional data used in the air quality assessment

Road ID	Start and end Coordinates	AADT			Notes
		2025 without the Proposed Scheme	2025 Scenario 1 with the Proposed Scheme	2025 Scenario 2 with the Proposed Scheme	
1013_1011	363151, 365503 to 363198, 365522	6,449	6,424	6,440	
1015_1018	363671, 365707 to 363644, 365746	749	768	746	
1015_1020	363671, 365707 to 364029, 365918	7,439	7,807	7,936	
1016_1077_01	363282, 365353 to 363305, 365385	2,324	4,623	3,647	
1018_1015	363644, 365746 to 363671, 365707	696	951	968	
1018_1031	363644, 365746 to 363218, 365933	1,373	1,622	1,644	
1019_1029	363692, 365633 to 363682, 365690	320	302	324	
1019_1075	363692, 365633 to 363292, 365420	256	279	255	
1020_1021_01	364029, 365918 to 364029, 365960	13,521	13,446	13,654	
1021_1022_01	364029, 365960 to 364011, 365976	4,795	4,206	4,489	
1021_1023_01	364029, 365960 to 364097, 365975	14,203	14,584	14,630	
1022_1021_01	364011, 365976 to 364029, 365960	5,477	5,342	5,465	
1022_1049	364011, 365976 to 363879, 366110	9,580	8,887	9,269	
1023_1024	364097, 365975 to 364231, 366060	10,895	10,784	11,028	
1023_1025_01	364097, 365975 to 364090, 365911	14,840	14,332	14,451	
1024_1023	364231, 366060 to 364097, 365975	11,532	10,534	10,851	
1024_1070	364231, 366060 to 364330, 366107	10,680	10,591	10,819	
1025_1020_01	364090, 365911 to 364029, 365918	6,082	5,640	5,718	
1025_1026_01	364090, 365911 to 364097, 365880	4,707	5,729	5,061	
1025_1028	364090, 365911 to 364028, 365899	8,760	6,368	7,478	
1026_1025_01	364097, 365880 to 364090, 365911	4,710	3,404	3,806	
1026_1027	364097, 365880 to 364176, 365667	9,103	8,823	8,554	
1027_1124	364176, 365667 to 364194, 365645	8,091	7,848	7,680	
1028_1029	364028, 365899 to 363682, 365690	8,760	6,368	7,478	
1029_1011	363682, 365690 to 363198, 365522	8,661	6,268	7,386	
1029_1019	363682, 365690 to 363692, 365633	419	402	416	
1035_1006	362738, 366990 to 362618, 366941	9,137	10,539	9,799	
1037_1035	362702, 367085 to 362738, 366990	10,642	12,188	11,582	
1039_1041	362836, 366921 to 363183, 366642	6,513	6,677	6,583	
1049_1050	363879, 366110 to 363699, 366222	9,335	8,646	9,027	
1066_1068	364349, 366113 to 364440, 366172	10,883	10,739	10,988	
1066_1070	364349, 366113 to 364330, 366107	11,532	10,533	10,851	
1068_1066	364440, 366172 to 364349, 366113	11,709	10,641	10,991	
1068_1464	364440, 366172 to 386974, 394742	10,883	10,739	10,988	
1069_1153	364595, 366299 to 364542, 366258	11,709	10,641	10,991	

Background Information and Data

Air quality

BID AQ-002-0MA02

MA02: Wimboldsley to Lostock Gram

Additional data used in the air quality assessment

Road ID	Start and end Coordinates	AADT			Notes
		2025 without the Proposed Scheme	2025 Scenario 1 with the Proposed Scheme	2025 Scenario 2 with the Proposed Scheme	
1069_1154_01	364595, 366299 to 364657, 366215	4,461	5,133	4,531	
1069_1155	364595, 366299 to 364678, 366326	12,252	12,003	12,379	
1069_1465_01	364595, 366299 to 367234, 397284	3,384	3,229	3,154	
1070_1024	364330, 366107 to 364231, 366060	11,532	10,533	10,851	
1070_1066	364330, 366107 to 364349, 366113	10,680	10,591	10,819	
1071_1007	362812, 366145 to 362802, 366175	14,465	15,629	15,502	
1072_1009	362880, 365999 to 362893, 365973	13,910	14,901	14,929	
1073_1035	362762, 366982 to 362738, 366990	5,279	5,803	5,569	
1073_1039	362762, 366982 to 362836, 366921	5,279	5,803	5,569	
1075_1077	363292, 365420 to 363305, 365385	440	466	441	
1077_1078	363305, 365385 to 363705, 365119	2,075	4,405	3,397	
1078_1079	363705, 365119 to 363871, 365386	1,069	1,300	1,183	
1078_1087	363705, 365119 to 363712, 365113	2,033	4,393	3,261	
1083_1088	363788, 365072 to 363772, 365082	2,033	4,393	3,261	
1083_1089	363788, 365072 to 364197, 364959	1,920	4,278	3,145	
1087_1088	363712, 365113 to 363772, 365082	2,033	4,393	3,261	
1089_1091	364197, 364959 to 364222, 364921	2,312	4,449	3,475	
1091_1092	364222, 364921 to 364240, 364867	1,832	4,490	3,142	
1091_1094	364222, 364921 to 364541, 365096	1,454	1,661	1,400	
1092_1101	364240, 364867 to 364391, 364537	1,694	4,354	3,005	
1094_1095	364541, 365096 to 364609, 365041	12,074	12,880	12,171	
1094_1118	364541, 365096 to 364472, 365209	7,215	6,865	6,736	
1094_1120	364541, 365096 to 364706, 365300	7,539	8,711	8,178	
1095_1096	364609, 365041 to 364648, 365006	11,827	12,673	11,944	
1096_1098	364648, 365006 to 364668, 364961	11,827	12,672	11,944	
1098_1099	364668, 364961 to 364420, 364639	998	2,999	2,071	
1098_1110	364668, 364961 to 364883, 364665	11,864	14,987	13,131	
1099_1098_01	364420, 364639 to 364668, 364961	157	27	127	
1099_1101	364420, 364639 to 364391, 364537	875	3,158	2,037	
1101_1102	364391, 364537 to 364316, 364388	1,135	1,499	1,280	
1102_1103	364316, 364388 to 364544, 364457	698	1,064	843	
1110_1111	364883, 364665 to 364703, 364636	1,515	1,221	1,347	
1110_1112	364883, 364665 to 364998, 364300	10,994	14,503	12,410	
1111_1103	364703, 364636 to 364544, 364457	647	951	738	
1112_1122	364998, 364300 to 365020, 364234	10,354	13,873	11,771	

Background Information and Data

Air quality

BID AQ-002-0MA02

MA02: Wimboldsley to Lostock Gram

Additional data used in the air quality assessment

Road ID	Start and end Coordinates	AADT			Notes
		2025 without the Proposed Scheme	2025 Scenario 1 with the Proposed Scheme	2025 Scenario 2 with the Proposed Scheme	
1113_1116	364216, 365622 to 364398, 365340	7,660	7,312	7,188	
1113_1124	364216, 365622 to 364194, 365645	8,091	7,848	7,680	
1118_1116	364472, 365209 to 364398, 365340	7,575	7,221	7,095	
1120_1131_01	364706, 365300 to 364695, 365592	3,436	3,907	3,831	
1120_1479	364706, 365300 to 369746, 390783	1,876	1,759	1,874	
1125_1126	365188, 363715 to 365111, 363957	9,726	13,209	11,100	
1125_1128	365188, 363715 to 365212, 363572	9,726	13,209	11,100	
1126_1122	365111, 363957 to 365020, 364234	9,775	13,301	11,194	
1128_2212	365212, 363572 to 366466, 361093	9,207	12,704	10,585	
1130_1479	365003, 365589 to 369746, 390783	1,686	1,569	1,684	
1131_1120	364695, 365592 to 364706, 365300	5,932	7,217	6,573	
1133_1131	364697, 365677 to 364695, 365592	6,537	7,734	7,094	
1135_1133	364693, 365774 to 364697, 365677	6,777	7,968	7,354	
1135_1138	364693, 365774 to 364700, 366048	8,735	10,013	9,309	
1135_R	1135_R	4,392	5,030	4,678	
1136_1481	364913, 365789 to 364877, 365777	1,614	1,701	1,610	
1138_1139_01	364700, 366048 to 364702, 366091	3,637	4,321	3,715	
1138_1149_01	364700, 366048 to 364739, 366034	4,629	4,855	5,053	
1141_1143	364819, 366028 to 364919, 366081	4,599	4,825	5,023	
1141_1150	364819, 366028 to 364783, 366026	3,351	3,515	3,395	
1143_1141	364919, 366081 to 364819, 366028	3,367	3,529	3,410	
1148_1472	365088, 365910 to 364662, 392345	5,193	4,533	4,950	
1149_1138_01	364739, 366034 to 364700, 366048	3,352	3,515	3,395	
1149_1150	364739, 366034 to 364783, 366026	4,629	4,855	5,053	
1150_1141	364783, 366026 to 364819, 366028	4,629	4,855	5,053	
1150_1149	364783, 366026 to 364739, 366034	3,351	3,515	3,395	
1153_1069_01	364542, 366258 to 364595, 366299	10,883	10,739	10,988	
1153_1464	364542, 366258 to 386974, 394742	11,709	10,641	10,991	
1155_1069_01	364678, 366326 to 364595, 366299	13,667	12,810	12,871	
1155_1466	364678, 366326 to 367284, 397061	12,252	12,003	12,379	
1156_1157_01	364884, 366290 to 364959, 366272	12,252	12,003	12,379	
1156_1466	364884, 366290 to 367284, 397061	13,667	12,809	12,871	
1157_1156	364959, 366272 to 364884, 366290	13,667	12,809	12,871	
1157_1159	364959, 366272 to 365036, 366260	16,589	16,337	16,697	
1158_1157	364956, 366364 to 364959, 366272	729	699	725	

Background Information and Data

Air quality

BID AQ-002-0MA02

MA02: Wimboldsley to Lostock Gram

Additional data used in the air quality assessment

Road ID	Start and end Coordinates	AADT			Notes
		2025 without the Proposed Scheme	2025 Scenario 1 with the Proposed Scheme	2025 Scenario 2 with the Proposed Scheme	
1159_1157_01	365036, 366260 to 364959, 366272	15,980	15,906	15,872	
1160_1139	364701, 366135 to 364702, 366091	4,461	5,133	4,531	
1163_1165	365180, 366260 to 365362, 366280	16,626	16,377	16,735	
1164_1157_01	364957, 366228 to 364959, 366272	6,913	7,869	7,586	
1165_1163	365362, 366280 to 365180, 366260	16,101	16,025	15,994	
1165_1166_01	365362, 366280 to 365450, 366303	16,626	16,377	16,735	
1166_1167_01	365450, 366303 to 365470, 366335	19,895	19,640	20,416	
1167_1168_01	365470, 366335 to 365510, 366345	20,000	19,860	20,801	
1167_1177_01	365470, 366335 to 365418, 366439	2,052	1,971	2,020	
1168_1169_01	365510, 366345 to 365576, 366342	20,000	19,860	20,801	
1169_1170_01	365576, 366342 to 365619, 366361	9,209	9,980	9,783	
1169_1171_01	365576, 366342 to 365581, 366291	21,031	20,246	20,727	
1170_1169_01	365619, 366361 to 365576, 366342	10,239	10,363	9,708	
1170_1233	365619, 366361 to 365672, 366389	19,448	20,343	19,490	
1171_1468_01	365581, 366291 to 367001, 398122	21,031	20,247	20,727	
1172_1174_01	365558, 366218 to 365488, 366225	21,346	20,263	20,514	
1173_1178	365647, 366057 to 365776, 366021	5,689	6,452	5,791	
1173_1201	365647, 366057 to 360000, 393320	6,281	5,333	6,482	
1173_1469	365647, 366057 to 365604, 366163	10,760	9,555	10,541	
1174_1175_01	365488, 366225 to 365458, 366198	3,748	2,908	3,061	
1174_1176_01	365488, 366225 to 365452, 366279	19,370	19,287	19,674	
1175_1174_01	365458, 366198 to 365488, 366225	1,773	1,934	2,222	
1175_1470	365458, 366198 to 365050, 392670	5,521	4,843	5,283	
1176_1165_01	365452, 366279 to 365362, 366280	16,101	16,025	15,994	
1176_1166_01	365452, 366279 to 365450, 366303	3,269	3,261	3,680	
1177_1167	365418, 366439 to 365470, 366335	4,209	4,162	4,425	
1177_1492	365418, 366439 to 365637, 395168	2,333	2,298	2,551	
1178_1180	365776, 366021 to 365841, 365995	5,512	6,200	5,537	
1180_1182	365841, 365995 to 366037, 366020	3,500	3,632	3,875	
1184_1186	366178, 366037 to 366583, 366119	4,123	3,984	4,526	
1186_1187	366583, 366119 to 366535, 366236	2,270	2,553	2,077	
1186_1188	366583, 366119 to 366729, 366137	4,245	4,348	4,475	
1188_1190	366729, 366137 to 366817, 366127	4,322	4,419	4,552	
1190_1192	366817, 366127 to 366927, 366112	4,853	4,915	5,173	
1192_1193_01	366927, 366112 to 366958, 366076	3,636	3,794	3,919	

Background Information and Data

Air quality

BID AQ-002-0MA02

MA02: Wimboldsley to Lostock Gram

Additional data used in the air quality assessment

Road ID	Start and end Coordinates	AADT			Notes
		2025 without the Proposed Scheme	2025 Scenario 1 with the Proposed Scheme	2025 Scenario 2 with the Proposed Scheme	
1193_1192_01	366958, 366076 to 366927, 366112	1,217	1,121	1,254	
1193_1194_01	366958, 366076 to 366992, 366092	7,146	6,798	7,518	
1193_1196_01	366958, 366076 to 366907, 366020	9,306	7,419	9,094	
1193_R	1193_R	8,804	7,638	8,903	
1194_1193_01	366992, 366092 to 366958, 366076	7,633	6,086	7,346	
1196_1193_01	366907, 366020 to 366958, 366076	6,281	5,333	6,482	
1200_1196	366609, 365879 to 366907, 366020	15,587	12,752	15,576	
1200_1201	366609, 365879 to 360000, 393320	15,587	12,752	15,577	
1201_1173	360000, 393320 to 365647, 366057	9,306	7,419	9,094	
1202_1204_01	365716, 366418 to 365762, 366421	1,572	1,575	1,683	
1202_1233_01	365716, 366418 to 365672, 366389	10,239	10,363	9,708	
1202_1234_01	365716, 366418 to 365686, 366498	194	159	229	
1202_R	1202_R	6,003	6,049	5,810	
1203_1234	365650, 366903 to 365686, 366498	8,273	8,271	7,817	
1204_1202_01	365762, 366421 to 365716, 366418	2,321	2,412	2,361	
1206_1204	378874, 392034 to 365762, 366421	3,124	3,220	3,279	
1206_1208	378874, 392034 to 366013, 366569	3,432	3,419	3,429	
1230_1187	366485, 366337 to 366535, 366236	2,136	2,424	1,944	
1233_1202_01	365672, 366389 to 365716, 366418	1,411	1,416	1,442	
1233_1234_01	365672, 366389 to 365686, 366498	7,798	8,565	8,340	
1234_1202_01	365686, 366498 to 365716, 366418	8,273	8,271	7,817	
1234_1203	365686, 366498 to 365650, 366903	7,991	8,724	8,569	
1247_1249	366471, 367876 to 366823, 367996	19,376	19,545	19,215	
1249_1514_01	366823, 367996 to 366822, 368001	9,885	10,101	10,456	
1250_1516_01	366832, 368035 to 364072, 390808	8,153	8,687	8,580	
1251_1255	366880, 368012 to 366970, 368049	5,199	4,419	6,074	
1251_1510_01	366880, 368012 to 366867, 368005	2,971	3,213	3,907	
1252_1257	366855, 367971 to 366856, 367260	8,774	11,307	10,610	
1252_1512_01	366855, 367971 to 366848, 367984	4,446	5,624	4,399	
1253_1287	367306, 365743 to 367417, 365707	7,107	9,785	9,733	
1253_1462	367306, 365743 to 386874, 394074	7,144	9,817	9,771	
1255_1267	366970, 368049 to 367370, 368067	3,789	4,036	4,683	
1257_1259	366856, 367260 to 366981, 366980	7,498	9,961	9,288	
1261_1259	367158, 366574 to 366981, 366980	6,520	8,863	8,253	
1261_1263	367158, 366574 to 367287, 366263	8,842	10,765	10,410	

Background Information and Data

Air quality

BID AQ-002-0MA02

MA02: Wimboldsley to Lostock Gram

Additional data used in the air quality assessment

Road ID	Start and end Coordinates	AADT			Notes
		2025 without the Proposed Scheme	2025 Scenario 1 with the Proposed Scheme	2025 Scenario 2 with the Proposed Scheme	
1263_1265	367287, 366263 to 367305, 366085	9,656	11,426	11,545	
1265_1266	367305, 366085 to 388954, 388947	9,656	11,426	11,545	
1266_1194	388954, 388947 to 366992, 366092	14,778	12,884	14,863	
1267_1269	367370, 368067 to 367893, 367515	7,074	3,465	8,644	
1267_2077	367370, 368067 to 370815, 364465	5,865	5,304	8,509	
1269_1271	367893, 367515 to 368206, 367245	7,030	3,421	8,603	
1273_1271	369103, 366756 to 368206, 367245	6,921	3,450	0	Realignment
1273_1276	369103, 366756 to 368431, 366612	9,109	6,039	0	Realignment
1274_1273	369348, 366726 to 369103, 366756	16,014	6,668	0	Realignment
1274_1289	369348, 366726 to 369672, 366537	16,227	6,723	16,201	
1278_1266	367737, 365997 to 388954, 388947	9,494	6,236	9,961	
1282_1280	368849, 364893 to 368303, 365043	7,188	8,907	0	Realignment
1283_1282	369156, 365183 to 368849, 364893	14,163	16,562	0	Realignment
1285_1282	368920, 363668 to 368849, 364893	18,814	17,629	0	Realignment
1285_2064	368920, 363668 to 368291, 361672	17,993	16,866	21,036	
1287_1280	367417, 365707 to 368303, 365043	7,107	9,785	0	Realignment
1288_1276	368103, 366233 to 368431, 366612	9,109	5,756	0	Realignment
1288_1278	368103, 366233 to 367737, 365997	9,109	5,854	0	Realignment
1291_1289	367187, 387080 to 369672, 366537	16,480	7,047	16,436	
1291_1292_01	367187, 387080 to 367392, 387056	3,696	4,401	3,800	
1291_R	1291_R	12,072	7,685	12,043	
1292_1291	367392, 387056 to 367187, 387080	8,583	8,704	8,626	
1292_1294	367392, 387056 to 369772, 366732	8,543	8,725	8,585	
1301_1299	388979, 388893 to 388756, 388841	7,988	8,438	8,051	
1301_1414	388979, 388893 to 369940, 368339	11,573	9,928	10,628	
1301_2132	388979, 388893 to 365912, 372900	18,404	18,764	17,657	
1302_1291_01	369807, 366438 to 367187, 387080	23,223	14,988	23,110	
1302_1457	369807, 366438 to 385873, 393935	15,624	11,335	16,952	
1303_1304	369961, 366389 to 370003, 366398	9,997	7,844	11,448	
1303_1307	369961, 366389 to 369968, 366368	5,466	3,401	5,353	
1304_1305	370003, 366398 to 369988, 366383	7,861	6,448	7,740	
1305_1307_01	369988, 366383 to 369968, 366368	8,589	7,173	8,466	
1306_1305	370030, 366374 to 369988, 366383	729	729	729	
1307_1308	369968, 366368 to 369927, 366327	14,054	10,605	13,826	
1308_1309	369927, 366327 to 369895, 366330	5,718	3,672	5,374	

Background Information and Data

Air quality

BID AQ-002-0MA02

MA02: Wimboldsley to Lostock Gram

Additional data used in the air quality assessment

Road ID	Start and end Coordinates	AADT			Notes
		2025 without the Proposed Scheme	2025 Scenario 1 with the Proposed Scheme	2025 Scenario 2 with the Proposed Scheme	
1308_1310	369927, 366327 to 369886, 366286	8,336	6,933	8,452	
1309_1302	369895, 366330 to 369807, 366438	14,110	11,694	14,976	
1310_1309_01	369886, 366286 to 369895, 366330	8,393	8,030	9,614	
1310_1321	369886, 366286 to 367078, 389435	4,602	3,314	4,255	
1311_1310	369790, 366207 to 369886, 366286	13,544	14,075	15,203	
1313_1311	369728, 366083 to 369790, 366207	12,164	13,107	14,060	
1315_1283	379536, 389279 to 369156, 365183	14,196	16,595	16,236	
1315_1313	379536, 389279 to 369728, 366083	11,862	12,733	13,775	
1315_1316	379536, 389279 to 369686, 365500	3,548	4,344	3,803	
1318_1316	369649, 388097 to 369686, 365500	3,244	4,057	3,562	
1320_1331	370193, 365552 to 370429, 365558	3,104	4,032	3,378	
1323_1321	369477, 388021 to 367078, 389435	4,309	3,008	3,997	
1323_1324	369477, 388021 to 370238, 366086	1,764	1,687	1,736	
1324_1351	370238, 366086 to 370382, 366229	535	543	498	
1325_1323	370158, 365861 to 369477, 388021	3,676	2,229	3,316	
1326_1320	370133, 365838 to 370193, 365552	349	380	349	
1326_1325_01	370133, 365838 to 370158, 365861	834	707	826	
1328_1325	370437, 365657 to 370158, 365861	3,182	1,788	2,912	
1328_1331	370437, 365657 to 370429, 365558	4,151	3,532	4,083	
1329_1328	383019, 391947 to 370437, 365657	1,863	2,350	2,104	
1331_1348	370429, 365558 to 382659, 391223	4,657	3,949	4,524	
1331_1359	370429, 365558 to 368441, 387520	1,395	1,282	1,230	
1332_1304	370239, 366362 to 370003, 366398	17,858	14,292	19,188	
1332_1334	370239, 366362 to 370291, 366329	10,022	7,941	11,479	
1334_1332	370291, 366329 to 370239, 366362	8,113	6,746	7,990	
1334_1335	370291, 366329 to 370324, 366310	10,022	7,941	11,479	
1335_1334	370324, 366310 to 370291, 366329	8,113	6,746	7,990	
1335_1336_01	370324, 366310 to 370313, 366278	1,319	1,280	1,286	
1335_1461	370324, 366310 to 365467, 394797	9,649	7,599	11,096	
1336_1335_01	370313, 366278 to 370324, 366310	43	42	42	
1336_1351	370313, 366278 to 370382, 366229	230	245	213	
1337_1338	370441, 366302 to 370420, 366231	11,670	9,779	11,527	
1337_1382_01	370441, 366302 to 370501, 366301	17,880	17,140	19,529	
1337_1461_01	370441, 366302 to 365467, 394797	18,708	15,281	19,988	

Background Information and Data

Air quality

BID AQ-002-0MA02

MA02: Wimboldsley to Lostock Gralam

Additional data used in the air quality assessment

Road ID	Start and end Coordinates	AADT			Notes
		2025 without the Proposed Scheme	2025 Scenario 1 with the Proposed Scheme	2025 Scenario 2 with the Proposed Scheme	
1338_1337_01	370420, 366231 to 370441, 366302	7,574	6,581	7,604	
1338_1352	370420, 366231 to 370415, 366208	11,670	9,779	11,527	
1341_1339	370541, 365914 to 370456, 366078	9,819	8,320	9,750	
1343_1329	370562, 365855 to 383019, 391947	2,297	2,982	2,532	
1343_1341	370562, 365855 to 370541, 365914	8,624	8,233	8,818	
1344_1343	370604, 365780 to 370562, 365855	6,942	5,838	7,020	
1344_1346	370604, 365780 to 370635, 365663	7,422	6,291	7,442	
1346_1348	370635, 365663 to 382659, 391223	6,881	5,876	6,984	
1348_1353	382659, 391223 to 370709, 365408	11,095	9,427	11,034	
1351_1352_01	370382, 366229 to 370415, 366208	309	299	287	
1352_1416	370415, 366208 to 370428, 366166	11,376	9,493	11,248	
1353_1354	370709, 365408 to 388155, 394851	10,861	9,348	10,873	
1353_1365	370709, 365408 to 370588, 365358	524	519	523	
1354_1356	388155, 394851 to 371070, 364857	7,231	6,261	7,587	
1354_1367_01	388155, 394851 to 369287, 387907	5,527	5,275	5,464	
1355_1356	371340, 365014 to 371070, 364857	4,443	4,920	4,571	
1356_1378	371070, 364857 to 370827, 364685	5,512	5,740	5,659	
1357_1356	371137, 364780 to 371070, 364857	8,657	7,457	9,033	
1358_1357	371449, 364439 to 371137, 364780	8,773	7,595	9,156	
1362_1364	368323, 387258 to 370634, 365151	320	368	413	
1364_1365	370634, 365151 to 370588, 365358	29	25	28	
1367_1364	369287, 387907 to 370634, 365151	343	389	435	
1368_1367	370765, 365061 to 369287, 387907	5,290	4,986	5,144	
1368_1370	370765, 365061 to 370782, 364922	4,290	4,004	4,146	
1382_1383	370501, 366301 to 370579, 366320	17,880	17,140	19,529	
1383_1385	370579, 366320 to 370625, 366348	17,885	17,864	19,768	
1385_1386	370625, 366348 to 370646, 366363	17,001	16,341	17,292	
1385_1413_01	370625, 366348 to 370601, 366385	5,372	6,609	6,982	
1386_1387	370646, 366363 to 370867, 366500	17,001	16,341	17,292	
1387_1388	370867, 366500 to 371003, 366540	17,001	16,341	17,292	
1388_1390	371003, 366540 to 371183, 366595	16,871	16,274	17,178	
1391_1390	371247, 366611 to 371183, 366595	16,871	16,274	17,177	
1391_1500_01	371247, 366611 to 371259, 366616	9,868	8,542	9,959	
1393_1397	371268, 366645 to 369452, 388006	13,537	11,767	11,558	
1393_1497_01	371268, 366645 to 371277, 366639	6,489	4,055	3,905	

Background Information and Data

Air quality

BID AQ-002-0MA02

MA02: Wimboldsley to Lostock Gram

Additional data used in the air quality assessment

Road ID	Start and end Coordinates	AADT			Notes
		2025 without the Proposed Scheme	2025 Scenario 1 with the Proposed Scheme	2025 Scenario 2 with the Proposed Scheme	
1394_1495_01	371324, 366638 to 360566, 393919	7,633	10,131	9,066	
1395_1493_01	371306, 366556 to 365823, 395242	7,365	8,754	8,075	
1397_1398	369452, 388006 to 368606, 387578	13,537	11,767	11,558	
1398_1399	368606, 387578 to 369345, 387941	9,399	6,916	6,817	
1399_1506_01	369345, 387941 to 370391, 391324	5,332	4,098	4,317	
1401_1508_01	368477, 387540 to 370717, 366809	0	0	0	Realignment
1403_1404	370705, 366864 to 370407, 367162	7,068	4,478	4,606	
1403_1504_01	370705, 366864 to 370714, 366852	3,608	2,248	2,078	
1404_1408_01	370407, 367162 to 370322, 367144	3,810	2,544	2,868	
1406_1404	370339, 367159 to 370407, 367162	3,757	2,310	2,186	
1407_1406_01	370312, 367171 to 370339, 367159	3,330	1,936	1,791	
1407_1414	370312, 367171 to 369940, 368339	11,097	9,612	10,279	
1408_1406_01	370322, 367144 to 370339, 367159	427	409	421	
1408_1407_01	370322, 367144 to 370312, 367171	7,768	7,676	8,488	
1408_1409	370322, 367144 to 370371, 366759	5,469	5,948	6,673	
1409_1411	370371, 366759 to 370519, 366472	5,015	6,265	6,625	
1411_1413	370519, 366472 to 370601, 366385	5,372	6,609	6,982	
1416_1339	370428, 366166 to 370456, 366078	11,376	9,493	11,248	
1416_1352	370428, 366166 to 370415, 366208	11,376	9,493	11,248	
1421_1419	373110, 366913 to 372624, 366935	16,895	18,374	17,895	
1421_1423	373110, 366913 to 373204, 366920	16,544	18,451	17,555	
1423_1424	373204, 366920 to 373572, 365874	826	822	834	
1423_1428	373204, 366920 to 365833, 389206	16,418	18,614	17,635	
1426_1611	372831, 365223 to 360434, 392514	759	933	1,084	
1430_1428	367972, 387010 to 365833, 389206	16,418	18,614	17,635	
1432_1394	372425, 366921 to 371324, 366638	17,084	18,551	18,082	
1432_1419	372425, 366921 to 372624, 366935	17,084	18,551	18,082	
1433_1434_01	374143, 367123 to 374167, 367397	2,496	2,707	2,260	
1433_1439_01	374143, 367123 to 374278, 367153	8,086	7,238	8,126	
1434_1435_01	374167, 367397 to 374181, 367555	2,496	2,707	2,260	
1435_1436	374181, 367555 to 374179, 367737	52,800	54,756	54,548	
1437_1438	374201, 367709 to 374206, 367555	52,968	55,479	54,781	
1438_1439_01	374206, 367555 to 374278, 367153	4,148	5,390	4,457	
1438_1443	374206, 367555 to 360132, 393126	48,820	50,088	50,351	
1439_1440_01	374278, 367153 to 374339, 367134	4,231	3,818	4,229	

Background Information and Data

Air quality

BID AQ-002-0MA02

MA02: Wimboldsley to Lostock Gram

Additional data used in the air quality assessment

Road ID	Start and end Coordinates	AADT			Notes
		2025 without the Proposed Scheme	2025 Scenario 1 with the Proposed Scheme	2025 Scenario 2 with the Proposed Scheme	
1439_1441_01	374278, 367153 to 374287, 367092	7,995	8,809	8,332	
1440_1441_01	374339, 367134 to 374287, 367092	3,972	5,694	4,850	
1440_1449	374339, 367134 to 360313, 392856	8,202	9,512	9,079	
1441_1442_01	374287, 367092 to 368523, 390000	7,920	7,341	7,383	
1441_1447_01	374287, 367092 to 374148, 367054	4,047	7,125	5,789	
1442_1443_01	368523, 390000 to 360132, 393126	7,920	7,341	7,383	
1443_1444	360132, 393126 to 374363, 366576	56,761	57,472	57,795	
1444_2079	374363, 366576 to 376921, 361851	56,761	57,472	57,795	
1445_1446	369999, 391305 to 374258, 366815	55,520	57,501	57,639	
1446_1435	374258, 366815 to 374181, 367555	50,299	52,054	52,312	
1446_1447_01	374258, 366815 to 374148, 367054	5,221	5,447	5,333	
1447_1433_01	374148, 367054 to 374143, 367123	1,816	1,860	1,858	
1447_1448_01	374148, 367054 to 373974, 367045	7,456	10,721	9,261	
1448_1430	373974, 367045 to 367972, 387010	16,220	18,803	17,775	
1448_1433_01	373974, 367045 to 374143, 367123	8,764	8,083	8,514	
1450_1449	360424, 392847 to 360313, 392856	8,202	9,512	9,079	
1451_1450	375255, 367239 to 360424, 392847	8,202	9,512	9,079	
1451_2214	375255, 367239 to 375445, 367253	7,195	8,670	8,169	
1457_1303	385873, 393935 to 369961, 366389	15,463	11,245	16,801	
1459_1501_01	360906, 394499 to 370489, 389327	1,274	1,274	1,274	
1461_1335	365467, 394797 to 370324, 366310	9,016	7,641	8,850	
1461_1336_01	365467, 394797 to 370313, 366278	43	42	42	
1462_1266	386874, 394074 to 388954, 388947	8,032	10,005	10,108	
1464_1068	386974, 394742 to 364440, 366172	11,709	10,641	10,991	
1464_1153	386974, 394742 to 364542, 366258	10,883	10,739	10,988	
1465_1069_01	367234, 397284 to 364595, 366299	2,937	2,842	2,940	
1465_1455	367234, 397284 to 366085, 395219	6,322	6,071	6,094	
1466_1155	367284, 397061 to 364678, 366326	13,667	12,809	12,871	
1466_1156	367284, 397061 to 364884, 366290	12,252	12,003	12,379	
1467_1154	369148, 390430 to 364657, 366215	4,461	5,133	4,531	
1467_1160	369148, 390430 to 364701, 366135	4,461	5,133	4,531	
1468_1172_01	367001, 398122 to 365558, 366218	10,585	10,700	9,972	
1468_1469	367001, 398122 to 365604, 366163	10,446	9,546	10,755	
1469_1172	365604, 366163 to 365558, 366218	10,760	9,555	10,541	
1469_1173	365604, 366163 to 365647, 366057	10,446	9,546	10,755	

Background Information and Data

Air quality

BID AQ-002-0MA02

MA02: Wimboldsley to Lostock Gram

Additional data used in the air quality assessment

Road ID	Start and end Coordinates	AADT			Notes
		2025 without the Proposed Scheme	2025 Scenario 1 with the Proposed Scheme	2025 Scenario 2 with the Proposed Scheme	
1470_1472	365050, 392670 to 364662, 392345	5,329	4,663	5,093	
1477_1136	360587, 392511 to 364913, 365789	1,178	1,164	1,176	
1481_1135	364877, 365777 to 364693, 365774	2,056	2,138	2,051	
1483_1003	362276, 366790 to 362503, 366841	13,893	14,319	14,318	
1485_1071	364126, 390970 to 362812, 366145	14,465	15,629	15,502	
1486_1072	388867, 396294 to 362880, 365999	13,910	14,901	14,929	
1486_1485	388867, 396294 to 364126, 390970	14,465	15,629	15,502	
1489_1027	367074, 395884 to 364176, 365667	1,555	1,440	1,455	
1489_1081	367074, 395884 to 364100, 365444	1,545	1,429	1,444	
1493_1499_01	365823, 395242 to 388559, 397384	14,435	16,379	14,795	
1494_1395_01	360387, 393131 to 371306, 366556	7,845	7,579	7,093	
1494_1493_01	360387, 393131 to 365823, 395242	7,075	7,662	6,747	
1495_1494_01	360566, 393919 to 360387, 393131	14,920	15,241	13,840	
1496_1394	371304, 366631 to 371324, 366638	9,451	8,420	9,015	
1496_1495_01	371304, 366631 to 360566, 393919	7,291	5,138	4,791	
1497_1496_01	371277, 366639 to 371304, 366631	16,742	13,517	13,784	
1498_1393_01	388669, 397100 to 371268, 366645	7,048	7,712	7,652	
1498_1497_01	388669, 397100 to 371277, 366639	10,253	9,493	9,939	
1499_1391_01	388559, 397384 to 371247, 366611	7,002	7,731	7,218	
1499_1500_01	388559, 397384 to 371259, 366616	7,433	8,689	7,622	
1500_1498_01	371259, 366616 to 388669, 397100	17,301	17,188	17,538	
1501_1503_01	370489, 389327 to 370246, 388788	4,353	3,066	3,297	
1502_1459_01	370225, 388476 to 360906, 394499	0	0	0	Realignment
1502_1501_01	370225, 388476 to 370489, 389327	3,080	1,835	2,039	
1503_1403_01	370246, 388788 to 370705, 366864	3,460	2,230	2,528	
1503_1504_01	370246, 388788 to 370714, 366852	893	836	769	
1504_1505_01	370714, 366852 to 370000, 391309	4,502	3,054	2,829	
1505_1399_01	370000, 391309 to 369345, 387941	4,067	2,818	2,500	
1505_1506_01	370000, 391309 to 370391, 391324	435	235	329	
1506_1507_01	370391, 391324 to 370726, 366810	5,767	4,334	4,645	
1507_1401_01	370726, 366810 to 368477, 387540	2,687	2,500	2,605	
1507_1508_01	370726, 366810 to 370717, 366809	3,080	1,835	2,039	
1508_1502_01	370717, 366809 to 370225, 388476	3,080	1,835	2,039	
1509_1251_01	366864, 368013 to 366880, 368012	2,228	1,206	2,168	
1509_1510_01	366864, 368013 to 366867, 368005	9,551	10,131	9,955	

Background Information and Data

Air quality

BID AQ-002-0MA02

MA02: Wimboldsley to Lostock Gram

Additional data used in the air quality assessment

Road ID	Start and end Coordinates	AADT			Notes
		2025 without the Proposed Scheme	2025 Scenario 1 with the Proposed Scheme	2025 Scenario 2 with the Proposed Scheme	
1510_1511_01	366867, 368005 to 366855, 367986	12,521	13,343	13,860	
1511_1252_01	366855, 367986 to 366855, 367971	4,328	5,683	6,211	
1511_1512_01	366855, 367986 to 366848, 367984	8,193	7,660	7,649	
1512_1513_01	366848, 367984 to 366826, 367993	12,640	13,285	12,048	
1513_1249_01	366826, 367993 to 366823, 367996	9,491	9,444	8,759	
1513_1514_01	366826, 367993 to 366822, 368001	3,148	3,840	3,288	
1514_1515_01	366822, 368001 to 363985, 390947	13,032	13,841	13,718	
1515_1250_01	363985, 390947 to 366832, 368035	9,322	11,080	10,048	
1515_1516_01	363985, 390947 to 364072, 390808	3,710	2,761	3,670	
1516_1509_01	364072, 390808 to 366864, 368013	11,779	11,336	12,123	
1600_1395	363998, 390837 to 371306, 366556	15,210	16,334	15,168	
1600_1601_01	363998, 390837 to 363941, 390884	7,845	7,579	7,093	
1601_1602_01	363941, 390884 to 360427, 392586	9,274	9,119	8,329	
1602_1603_01	360427, 392586 to 360471, 392539	5,429	5,450	4,926	
1602_1604_01	360427, 392586 to 385921, 391581	3,845	3,669	3,403	
1603_1604_01	360471, 392539 to 385921, 391581	2,730	4,282	3,620	
1604_1605_01	385921, 391581 to 360511, 392485	6,575	7,951	7,022	
1605_1606_01	360511, 392485 to 386037, 391556	4,610	4,484	4,540	
1605_1607_01	360511, 392485 to 364774, 391604	1,965	3,467	2,483	
1606_1607_01	386037, 391556 to 364774, 391604	6,830	6,830	6,830	
1607_1608_01	364774, 391604 to 385857, 390890	8,795	10,296	9,312	
1608_1600_01	385857, 390890 to 363998, 390837	7,365	8,754	8,075	
1608_1601_01	385857, 390890 to 363941, 390884	1,430	1,542	1,237	
1609_1610_01	364953, 391635 to 377650, 392251	5,871	5,985	5,543	
1610_1611_01	377650, 392251 to 360434, 392514	729	730	887	
1610_1612_01	377650, 392251 to 360354, 392176	5,143	5,255	4,656	
1611_1612_01	360434, 392514 to 360354, 392176	30	203	198	
1612_1613_01	360354, 392176 to 372452, 365065	5,173	5,458	4,854	
1613_1614_01	372452, 365065 to 372386, 365075	2,090	2,591	2,270	
1613_3002_01	372452, 365065 to 373183, 360289	3,082	2,867	2,584	
1614_1615_01	372386, 365075 to 372360, 365143	3,285	5,038	4,225	
1615_1616_01	372360, 365143 to 372313, 365168	2,091	2,446	2,120	
1615_1617_01	372360, 365143 to 377420, 390574	1,195	2,592	2,106	
1616_1355	372313, 365168 to 371340, 365014	4,068	4,672	4,251	
1616_1617_01	372313, 365168 to 377420, 390574	1,978	2,226	2,132	

Background Information and Data

Air quality

BID AQ-002-0MA02

MA02: Wimboldsley to Lostock Gram

Additional data used in the air quality assessment

Road ID	Start and end Coordinates	AADT			Notes
		2025 without the Proposed Scheme	2025 Scenario 1 with the Proposed Scheme	2025 Scenario 2 with the Proposed Scheme	
1617_1618_01	377420, 390574 to 383101, 392075	3,172	4,817	4,237	
1618_1609_01	383101, 392075 to 364953, 391635	442	535	617	
1618_3001_01	383101, 392075 to 373178, 360399	2,730	4,282	3,620	
1619_1620_01	378041, 391477 to 378251, 391328	5,899	5,436	5,881	
1620_1621_01	378251, 391328 to 378605, 392321	5,408	4,663	5,203	
1620_1622_01	378251, 391328 to 380678, 391416	491	772	677	
1621_1622_01	378605, 392321 to 380678, 391416	6,665	6,759	7,154	
1622_1623_01	380678, 391416 to 378494, 391219	7,156	7,532	7,832	
1623_1624_01	378494, 391219 to 372034, 363938	5,959	5,057	5,868	
1623_1625_01	378494, 391219 to 378975, 391992	1,197	2,476	1,963	
1624_1358	372034, 363938 to 371449, 364439	8,773	7,595	9,156	
1624_1625_01	372034, 363938 to 378975, 391992	2,814	2,538	3,288	
1625_1626_01	378975, 391992 to 378942, 389006	4,012	5,012	5,251	
1626_1619_01	378942, 389006 to 378041, 391477	2,816	2,567	3,297	
1626_3003_01	378942, 389006 to 373284, 360304	1,195	2,445	1,954	
2077_1267_01	370815, 364465 to 367370, 368067	3,158	3,753	5,726	
2079_1445	376921, 361851 to 369999, 391305	55,520	59,104	58,914	
2084_1621	373727, 361748 to 378605, 392321	12,073	11,422	12,357	
2212_1128	366466, 361093 to 365212, 363572	9,207	12,704	10,585	
2225_1037	362665, 367225 to 362702, 367085	10,630	12,179	11,570	
3000_1603	370105, 375400 to 360471, 392539	8,159	9,732	8,546	
3000_3001	370105, 375400 to 373178, 360399	8,159	9,732	8,546	
3001_1609_01	373178, 360399 to 364953, 391635	5,429	5,450	4,926	
3002_1614_01	373183, 360289 to 372386, 365075	1,195	2,445	1,954	
3002_3003	373183, 360289 to 373284, 360304	4,277	5,312	4,538	
3003_1619_01	373284, 360304 to 378041, 391477	3,082	2,867	2,584	
1271_90015	368206, 367245 to 368252, 367211	0	0	8,566	Realignment
1274_90012	369348, 366726 to 369135, 372510	0	0	16,033	Realignment
1280_1287	368303, 365043 to 367417, 365707	0	0	9,733	Realignment
1280_90040	368303, 365043 to 368787, 364890	0	0	9,646	Realignment
1283_90044	369156, 365183 to 380483, 384634	0	0	16,203	Realignment
1285_90048	368920, 363668 to 368845, 364875	0	0	21,700	Realignment
90000_1278	377330, 383400 to 367737, 365997	0	0	9,783	Realignment
90001_90000	372010, 384250 to 377330, 383400	0	0	9,972	Realignment
90002_90001	368654, 372288 to 372010, 384250	0	0	9,978	Realignment

Background Information and Data

Air quality

BID AQ-002-0MA02

MA02: Wimboldsley to Lostock Gram

Additional data used in the air quality assessment

Road ID	Start and end Coordinates	AADT			Notes
		2025 without the Proposed Scheme	2025 Scenario 1 with the Proposed Scheme	2025 Scenario 2 with the Proposed Scheme	
90002_90003	368654, 372288 to 368612, 372257	0	0	9,945	Realignment
90003_90030	368612, 372257 to 368355, 366818	0	0	9,944	Realignment
90012_90038	369135, 372510 to 368390, 366867	0	0	16,033	Realignment
90015_90035	368252, 367211 to 368334, 366901	0	0	8,566	Realignment
90030_90031_01	368355, 366818 to 368352, 366831	0	0	4,556	Realignment
90031_90033_01	368352, 366831 to 368333, 366887	0	0	7,651	Realignment
90032_90030_01	368359, 366832 to 368355, 366818	0	0	5,388	Realignment
90032_90031_01	368359, 366832 to 368352, 366831	0	0	3,109	Realignment
90033_90034_01	368333, 366887 to 368340, 366890	0	0	4,311	Realignment
90033_90035_01	368333, 366887 to 368334, 366901	0	0	3,365	Realignment
90034_90036_01	368340, 366890 to 368378, 366870	0	0	9,483	Realignment
90035_90034_01	368334, 366901 to 368340, 366890	0	0	5,201	Realignment
90036_90037_01	368378, 366870 to 368380, 366862	0	0	615	Realignment
90036_90038_01	368378, 366870 to 368390, 366867	0	0	8,868	Realignment
90037_90032_01	368380, 366862 to 368359, 366832	0	0	8,470	Realignment
90038_90037_01	368390, 366867 to 368380, 366862	0	0	7,858	Realignment
90040_90041_01	368787, 364890 to 368798, 364912	0	0	5,466	Realignment
90041_90042_01	368798, 364912 to 368841, 364948	0	0	13,484	Realignment
90042_90043_01	368841, 364948 to 380670, 384456	0	0	4,305	Realignment
90042_90044_01	368841, 364948 to 380483, 384634	0	0	9,180	Realignment
90043_90047_01	380670, 384456 to 368849, 364895	0	0	11,329	Realignment
90044_90043_01	380483, 384634 to 380670, 384456	0	0	7,023	Realignment
90045_90040_01	368808, 364894 to 368787, 364890	0	0	4,277	Realignment
90045_90041_01	368808, 364894 to 368798, 364912	0	0	8,017	Realignment
90046_90045_01	368833, 364888 to 368808, 364894	0	0	12,294	Realignment
90047_90046_01	368849, 364895 to 368833, 364888	0	0	962	Realignment
90047_90048_01	368849, 364895 to 368845, 364875	0	0	10,368	Realignment
90048_90046_01	368845, 364875 to 368833, 364888	0	0	11,333	Realignment
2093_2103	367752, 376430 to 367238, 376670	10,034	10,589	10,051	
2093_2265	367752, 376430 to 368633, 376460	6,024	6,988	6,365	
2094_2093	368123, 375820 to 367752, 376430	4,028	3,610	3,706	
2094_2265	368123, 375820 to 368633, 376460	4,593	4,959	4,669	
2095_2096	369244, 375030 to 369311, 375060	9,896	10,084	9,580	
2095_2116	369244, 375030 to 369035, 374930	9,896	10,084	9,580	
2096_2097	369311, 375060 to 373791, 365395	8,123	8,975	8,461	

Background Information and Data

Air quality

BID AQ-002-0MA02

MA02: Wimboldsley to Lostock Gram

Additional data used in the air quality assessment

Road ID	Start and end Coordinates	AADT			Notes
		2025 without the Proposed Scheme	2025 Scenario 1 with the Proposed Scheme	2025 Scenario 2 with the Proposed Scheme	
2097_4006_01	373791, 365395 to 363740, 391245	10,298	9,992	9,537	
2098_2532_01	369981, 375350 to 370092, 375411	16,349	16,787	16,897	
2098_4006	369981, 375350 to 363740, 391245	10,298	9,992	9,537	
2099_2098_01	369996, 375320 to 369981, 375350	16,751	17,293	16,953	
2100_2103	366902, 376800 to 367238, 376670	14,214	14,688	14,453	
2101_2102	368417, 375550 to 368972, 375020	6,254	6,071	6,258	
2102_2556	368972, 375020 to 363591, 392405	4,213	4,655	4,611	
2103_2268_01	367238, 376670 to 367015, 375090	4,113	5,286	5,114	
2105_2765	367169, 374140 to 366993, 374060	5,529	5,937	5,657	
2105_2766	367169, 374140 to 367007, 374200	13,584	14,519	14,144	
2116_2102	369035, 374930 to 368972, 375020	7,871	8,145	8,141	
2116_2119	369035, 374930 to 368628, 374750	15,776	16,337	16,092	
2116_2400	369035, 374930 to 369149, 374790	1,498	1,742	1,865	
2117_2121	368462, 372860 to 368370, 373180	15,001	13,474	14,772	
2117_3526	368462, 372860 to 368517, 372759	15,858	14,072	15,417	
2119_2832	368628, 374750 to 365331, 391426	15,490	14,964	15,591	
2120_2545	368891, 371530 to 367051, 395541	3,236	4,026	2,752	
2120_2840_01	368891, 371530 to 380690, 391927	7,771	6,983	0	Realignment
2121_2275	368370, 373180 to 367221, 387577	8,438	8,158	8,156	
2121_2837	368370, 373180 to 380382, 392503	8,532	8,001	8,597	
2123_2122	365862, 371590 to 365687, 371650	24,231	24,635	24,251	
2123_2125	365862, 371590 to 367367, 387170	15,317	16,158	15,438	
2123_3003	365862, 371590 to 373284, 360304	15,100	15,278	15,351	
2124_2126	366027, 371520 to 366868, 387575	20,168	20,808	21,261	
2124_3001	366027, 371520 to 373178, 360399	11,923	11,743	12,094	
2125_2123_02	367367, 387170 to 365862, 371590	10,357	10,775	10,366	
2125_2127	367367, 387170 to 366538, 371250	10,466	11,147	10,637	
2125_R	2125_R	10,412	10,963	10,503	
2126_2124	366868, 387575 to 366027, 371520	11,923	11,743	12,094	
2126_2125	366868, 387575 to 367367, 387170	6,127	6,155	6,109	
2126_2192	366868, 387575 to 367200, 372100	20,168	20,808	21,261	
2127_2125	366538, 371250 to 367367, 387170	20,206	21,539	20,464	
2127_2659_01	366538, 371250 to 366666, 369820	10,466	11,147	10,637	
2128_2122	365543, 371870 to 365687, 371650	22,535	22,961	22,567	
2182_2185	365078, 371090 to 364912, 371150	14,513	14,375	14,579	

Background Information and Data

Air quality

BID AQ-002-0MA02

MA02: Wimboldsley to Lostock Gralam

Additional data used in the air quality assessment

Road ID	Start and end Coordinates	AADT			Notes
		2025 without the Proposed Scheme	2025 Scenario 1 with the Proposed Scheme	2025 Scenario 2 with the Proposed Scheme	
2182_2594_01	365078, 371090 to 365096, 371060	807	1,177	1,107	
2182_3508	365078, 371090 to 365803, 371423	16,911	15,986	16,356	
2183_2191	368782, 372810 to 369124, 373270	15,209	14,733	13,672	
2183_2545	368782, 372810 to 367051, 395541	4,952	4,053	0	Realignment
2183_3523	368782, 372810 to 368592, 372714	17,432	18,286	15,463	
2185_2182	364912, 371150 to 365078, 371090	15,876	15,626	15,761	
2187_2188	367849, 372640 to 367308, 372200	16,584	16,168	16,552	
2187_3517	367849, 372640 to 368445, 372683	16,741	17,111	17,339	
2188_2187	367308, 372200 to 367849, 372640	19,022	19,692	19,705	
2188_2192	367308, 372200 to 367200, 372100	16,584	16,168	16,552	
2188_5018_01	367308, 372200 to 369800, 383770	1,999	2,100	2,247	
2189_2190	366496, 373940 to 368832, 387250	14,322	14,791	14,143	
2189_2397	366496, 373940 to 366631, 373770	5,293	5,267	5,393	
2189_2693_01	366496, 373940 to 366489, 373940	3,240	3,051	3,175	
2191_2183	369124, 373270 to 368782, 372810	15,146	17,055	15,463	
2191_2523	369124, 373270 to 366410, 392446	15,209	14,733	13,672	
2192_2126	367200, 372100 to 366868, 387575	18,050	17,898	18,203	
2192_2188	367200, 372100 to 367308, 372200	20,168	20,808	21,261	
2192_5010_01	367200, 372100 to 371980, 382880	1,083	970	1,034	
2193_2099	369386, 373810 to 369996, 375320	12,384	12,441	12,799	
2193_2400	369386, 373810 to 369149, 374790	2,826	2,937	3,445	
2193_2523	369386, 373810 to 366410, 392446	15,146	17,055	15,463	
2193_2583	369386, 373810 to 369944, 373120	3,212	5,249	0	Realignment
2232_3000	370584, 375700 to 370105, 375400	19,123	23,115	21,197	
2266_2265	368638, 376470 to 368633, 376460	10,575	11,907	10,993	
2266_2555	368638, 376470 to 362179, 392342	5,195	5,212	4,858	
2267_2266	369333, 377030 to 368638, 376470	8,245	9,349	8,863	
2268_2103	367015, 375090 to 367238, 376670	8,521	9,577	9,414	
2268_2847	367015, 375090 to 382403, 390526	14,519	15,169	14,997	
2268_4000	367015, 375090 to 367338, 375221	6,896	7,597	7,629	
2275_2121_01	367221, 387577 to 368370, 373180	4,254	3,856	4,042	
2275_2274	367221, 387577 to 367304, 387368	8,438	8,158	8,156	
2278_2280	366843, 373950 to 366978, 373850	15,006	15,056	15,077	
2278_2750	366843, 373950 to 367347, 387212	10,047	9,545	9,824	
2278_2765	366843, 373950 to 366993, 374060	4,444	4,222	4,299	

Background Information and Data

Air quality

BID AQ-002-0MA02

MA02: Wimboldsley to Lostock Gram

Additional data used in the air quality assessment

Road ID	Start and end Coordinates	AADT			Notes
		2025 without the Proposed Scheme	2025 Scenario 1 with the Proposed Scheme	2025 Scenario 2 with the Proposed Scheme	
2307_2545	370470, 372030 to 367051, 395541	8,188	8,045	9,447	
2307_2583	370470, 372030 to 369944, 373120	3,212	5,249	4,659	
2308_2307	372976, 370960 to 370470, 372030	11,399	13,221	14,105	
2331_2103	367421, 377860 to 367238, 376670	2	11	17	
2333_2278	366658, 373780 to 366843, 373950	6,819	6,935	7,037	
2358_2357	385812, 393191 to 386770, 392889	1,435	1,434	1,443	
2371_2357	366316, 371780 to 386770, 392889	2,221	2,210	2,208	
2371_2368	366316, 371780 to 360570, 391492	21	21	21	
2375_2123	365914, 371830 to 365862, 371590	8,731	8,429	8,637	
2379_2380	365588, 370990 to 365768, 371050	4,413	4,109	4,251	
2380_2381	365768, 371050 to 366633, 392430	4,002	3,545	3,654	
2381_2399	366633, 392430 to 363915, 391167	7,555	7,734	7,704	
2382_2383	363094, 391714 to 364187, 391958	1,816	1,769	1,792	
2382_2399	363094, 391714 to 363915, 391167	15,172	15,387	14,652	
2383_2380	364187, 391958 to 365768, 371050	3,127	3,127	3,127	
2399_2584	363915, 391167 to 365975, 371090	13,195	13,064	12,497	
2400_2401	369149, 374790 to 362724, 391790	1,328	1,494	1,733	
2401_2402_01	362724, 391790 to 362902, 391813	1,328	1,494	1,733	
2402_2096	362902, 391813 to 369311, 375060	5,851	5,722	5,860	
2403_5018	363154, 391389 to 369800, 383770	2,643	2,825	2,665	
2404_2584	361439, 393063 to 365975, 371090	9,676	9,602	9,478	
2404_2656	361439, 393063 to 366209, 370160	9,940	10,700	10,416	
2405_R	2405_R	620	620	619	
2406_2122	363191, 393246 to 365687, 371650	2,917	2,912	2,914	
2406_2405	363191, 393246 to 362011, 393241	1,240	1,240	1,239	
2411_2405	365272, 371570 to 362011, 393241	1,240	1,240	1,239	
2523_2191	366410, 392446 to 369124, 373270	15,146	17,055	15,463	
2523_2193	366410, 392446 to 369386, 373810	15,209	14,733	13,672	
2532_2232	370092, 375411 to 370584, 375700	14,567	15,834	15,550	
2532_3000_01	370092, 375411 to 370105, 375400	1,782	972	1,348	
2556_2557	363591, 392405 to 367097, 395832	4,213	4,655	4,611	
2559_2120	367491, 371130 to 368891, 371530	5,586	5,663	5,630	
2559_2584	367491, 371130 to 365975, 371090	5,813	6,212	5,615	
2567_2367	366167, 371870 to 388070, 394326	1,501	1,494	1,466	
2567_2371	366167, 371870 to 366316, 371780	2,221	2,210	2,208	

Background Information and Data

Air quality

BID AQ-002-0MA02

MA02: Wimboldsley to Lostock Gram

Additional data used in the air quality assessment

Road ID	Start and end Coordinates	AADT			Notes
		2025 without the Proposed Scheme	2025 Scenario 1 with the Proposed Scheme	2025 Scenario 2 with the Proposed Scheme	
2594_2182_01	365096, 371060 to 365078, 371090	3,823	4,028	4,082	
2594_2409	365096, 371060 to 365359, 370930	4,630	5,206	5,189	
2656_2657	366209, 370160 to 365955, 369680	7,918	8,446	8,139	
2656_2659_01	366209, 370160 to 366666, 369820	3,037	3,479	3,271	
2657_2658	365955, 369680 to 366456, 369170	2,566	2,304	2,492	
2658_2085	366456, 369170 to 370953, 364297	25,913	28,387	26,767	
2658_2659_01	366456, 369170 to 366666, 369820	12,646	14,187	13,277	
2659_2127	366666, 369820 to 366538, 371250	20,206	21,539	20,464	
2659_2656	366666, 369820 to 366209, 370160	8,473	9,774	9,345	
2659_2658	366666, 369820 to 366456, 369170	23,630	26,331	24,573	
2659_R	2659_R	12,895	14,222	13,393	
2692_2693	366466, 373920 to 366489, 373940	10,446	10,430	10,149	
2693_2694	366489, 373940 to 366557, 374030	7,835	7,974	7,553	
2694_2696_01	366557, 374030 to 369444, 392571	7,749	7,885	7,467	
2694_2709_01	366557, 374030 to 366532, 374060	675	516	497	
2695_2189	369981, 391338 to 366496, 373940	12,772	13,051	12,426	
2695_2694_01	369981, 391338 to 366557, 374030	589	427	412	
2696_2697_01	369444, 392571 to 368697, 393600	8,434	8,520	8,103	
2697_2707_01	368697, 393600 to 366663, 374130	14,091	14,627	14,365	
2698_2695_01	369998, 392057 to 369981, 391338	13,361	13,478	12,838	
2699_2697_01	370000, 392050 to 368697, 393600	5,657	6,107	6,262	
2699_2698_01	370000, 392050 to 369998, 392057	13,361	13,478	12,838	
2700_2699_01	366684, 374048 to 370000, 392050	19,018	19,585	19,099	
2701_2700_01	366698, 374058 to 366684, 374048	11,626	12,693	11,846	
2701_2759_01	366698, 374058 to 366701, 374038	2,633	2,631	2,543	
2702_2701_01	366703, 374093 to 366698, 374058	14,260	15,324	14,389	
2703_2702_01	366700, 374107 to 366703, 374093	8,004	8,485	7,996	
2703_2758_01	366700, 374107 to 366733, 374110	7,342	7,821	7,801	
2704_2703_01	380041, 391540 to 366700, 374107	15,346	16,306	15,797	
2705_2704_01	380114, 391594 to 380041, 391540	7,749	8,262	7,930	
2705_2757_01	380114, 391594 to 366717, 374160	6,936	7,139	7,145	
2706_2705_01	380149, 391484 to 380114, 391594	14,685	15,402	15,076	
2707_2706_01	366663, 374130 to 380149, 391484	11,772	12,472	12,141	
2707_2756_01	366663, 374130 to 366655, 374160	2,319	2,155	2,224	
2708_2696_01	366539, 374070 to 369444, 392571	684	634	635	

Background Information and Data

Air quality

BID AQ-002-0MA02

MA02: Wimboldsley to Lostock Gram

Additional data used in the air quality assessment

Road ID	Start and end Coordinates	AADT			Notes
		2025 without the Proposed Scheme	2025 Scenario 1 with the Proposed Scheme	2025 Scenario 2 with the Proposed Scheme	
2709_2712	366532, 374060 to 378816, 392055	675	516	497	
2710_2711	366438, 374200 to 380054, 391494	164	166	163	
2711_2712	380054, 391494 to 378816, 392055	732	567	564	
2711_2716_01	380054, 391494 to 366312, 374100	740	572	572	
2712_2708	378816, 392055 to 366539, 374070	684	634	635	
2712_2713	378816, 392055 to 366346, 374050	663	619	604	
2751_2758	366831, 374150 to 366733, 374110	13,597	14,660	14,194	
2751_2766	366831, 374150 to 367007, 374200	13,597	14,660	14,194	
2756_2706_01	366655, 374160 to 380149, 391484	2,914	2,930	2,935	
2756_2747	366655, 374160 to 366550, 374230	5,233	5,085	5,159	
2757_2704_01	366717, 374160 to 380041, 391540	7,598	8,044	7,867	
2758_2702_01	366733, 374110 to 366703, 374093	6,255	6,839	6,393	
2759_2700_01	366701, 374038 to 366684, 374048	7,391	6,901	7,252	
2759_2750	366701, 374038 to 367347, 387212	10,025	9,531	9,794	
2835_2119	365784, 391920 to 368628, 374750	8,139	7,838	8,232	
2836_2835	364986, 391452 to 365784, 391920	8,139	7,838	8,232	
2837_2836	380382, 392503 to 364986, 391452	8,532	8,001	8,597	
2840_2120	380690, 391927 to 368891, 371530	15,582	16,096	0	Realignment
2840_3520	380690, 391927 to 368547, 372626	7,689	7,015	0	Realignment
2840_R	2840_R	7,730	8,039	0	Realignment
2847_2757	382403, 390526 to 366717, 374160	14,534	15,184	15,013	
2873_2375	366027, 371830 to 365914, 371830	4,619	4,574	4,555	
2873_2567	366027, 371830 to 366167, 371870	3,636	3,617	3,587	
3000_3002	370105, 375400 to 373183, 360289	20,906	24,080	22,549	
3001_2124	373178, 360399 to 366027, 371520	20,168	20,808	21,261	
3001_3503_01	373178, 360399 to 365871, 371442	11,923	11,743	12,094	
3002_2099_01	373183, 360289 to 369996, 375320	4,370	5,409	4,462	
3002_2193	373183, 360289 to 369386, 373810	16,563	18,793	0	Realignment
3003_2123	373284, 360304 to 365862, 371590	10,850	10,789	11,065	
3003_3001_01	373284, 360304 to 373178, 360399	8,755	8,921	8,888	
3003_3500_01	373284, 360304 to 365855, 371466	6,345	6,354	6,463	
3500_3501_01	365855, 371466 to 365865, 371458	20,765	20,878	20,879	
3501_3001	365865, 371458 to 373178, 360399	11,419	11,895	12,379	
3501_3503_01	365865, 371458 to 365871, 371442	9,346	8,983	8,500	
3503_3504_01	365871, 371442 to 365866, 371422	21,265	20,721	20,592	

Background Information and Data

Air quality

BID AQ-002-0MA02

MA02: Wimboldsley to Lostock Gram

Additional data used in the air quality assessment

Road ID	Start and end Coordinates	AADT			Notes
		2025 without the Proposed Scheme	2025 Scenario 1 with the Proposed Scheme	2025 Scenario 2 with the Proposed Scheme	
3504_3505_01	365866, 371422 to 365851, 371398	8,065	7,725	7,243	
3504_3506_01	365866, 371422 to 365843, 371421	13,200	12,996	13,349	
3505_2382	365851, 371398 to 363094, 391714	15,955	16,195	15,474	
3505_3506_01	365851, 371398 to 365843, 371421	7,890	8,470	8,231	
3506_3507_01	365843, 371421 to 365830, 371428	20,886	21,258	21,368	
3507_3508	365830, 371428 to 365803, 371423	12,493	11,840	12,159	
3507_3509_01	365830, 371428 to 365830, 371446	8,393	9,418	9,209	
3508_2182	365803, 371423 to 365078, 371090	12,493	11,840	12,159	
3508_3509_01	365803, 371423 to 365830, 371446	16,911	15,986	16,356	
3509_3510_01	365830, 371446 to 365841, 371463	25,274	25,319	25,486	
3510_3003_01	365841, 371463 to 373284, 360304	10,850	10,790	11,065	
3510_3500_01	365841, 371463 to 365855, 371466	14,424	14,530	14,421	
3515_3525_01	368496, 372726 to 368519, 372736	18,238	18,436	17,893	
3515_3526_01	368496, 372726 to 368517, 372759	6,106	5,400	5,730	
3516_3515_01	368496, 372705 to 368496, 372726	24,344	23,723	23,597	
3517_2187	368445, 372683 to 367849, 372640	18,743	17,672	18,463	
3517_3516_01	368445, 372683 to 368496, 372705	16,741	17,111	17,339	
3518_3516_01	368493, 372675 to 368496, 372705	7,603	6,822	6,266	
3518_3517_01	368493, 372675 to 368445, 372683	18,743	17,673	18,463	
3519_3518_01	368521, 372658 to 368493, 372675	26,347	24,494	24,723	
3520_2840	368547, 372626 to 380690, 391927	7,651	9,044	0	Realignment
3520_3519_01	368547, 372626 to 368521, 372658	7,689	6,524	9,174	
3521_3519_01	368546, 372663 to 368521, 372658	19,306	18,134	15,675	
3521_3520_01	368546, 372663 to 368547, 372626	7,651	9,126	12,998	
3522_3521_01	368566, 372692 to 368546, 372663	26,957	27,209	28,644	
3523_2183	368592, 372714 to 368782, 372810	17,828	16,601	13,672	
3523_3522_01	368592, 372714 to 368566, 372692	17,432	18,286	15,463	
3524_3522_01	368552, 372722 to 368566, 372692	9,990	10,177	13,715	
3524_3523_01	368552, 372722 to 368592, 372714	17,828	16,601	13,672	
3525_3524_01	368519, 372736 to 368552, 372722	27,818	26,665	27,361	
3526_3525_01	368517, 372759 to 368519, 372736	9,753	8,672	9,687	
4002_4000	365064, 392737 to 367338, 375221	6,748	7,538	7,300	
4005_2094	364479, 391712 to 368123, 375820	7,075	6,228	6,100	
4005_4002	364479, 391712 to 365064, 392737	6,728	5,989	5,819	
5010_2192	371980, 382880 to 367200, 372100	3,736	3,893	3,902	

Background Information and Data

Air quality

BID AQ-002-0MA02

MA02: Wimboldsley to Lostock Gram

Additional data used in the air quality assessment

Road ID	Start and end Coordinates	AADT			Notes
		2025 without the Proposed Scheme	2025 Scenario 1 with the Proposed Scheme	2025 Scenario 2 with the Proposed Scheme	
5011_2120	371330, 383120 to 368891, 371530	18,990	18,982	19,035	
5018_2188	369800, 383770 to 367308, 372200	2,852	3,085	2,939	
2120_90006	368891, 371530 to 368668, 372224	0	0	15,631	Realignment
3002_90013	373183, 360289 to 369536, 374168	0	0	18,139	Realignment
3520_90001	368547, 372626 to 372010, 384250	0	0	12,435	Realignment
90000_90002_01	377330, 383400 to 368654, 372288	0	0	422	Realignment
90001_3520	372010, 384250 to 368547, 372626	0	0	9,040	Realignment
90001_90002_01	372010, 384250 to 368654, 372288	0	0	12,435	Realignment
90002_90011_01	368654, 372288 to 368673, 372279	0	0	12,804	Realignment
90004_90000_01	368623, 372268 to 377330, 383400	0	0	9,399	Realignment
90005_90004_01	368625, 372246 to 368623, 372268	0	0	8,767	Realignment
90006_2120_01	368668, 372224 to 368891, 371530	0	0	8,918	Realignment
90007_90005_01	368653, 372230 to 368625, 372246	0	0	9,322	Realignment
90008_90007_01	368670, 372238 to 368653, 372230	0	0	2,606	Realignment
90009_90010_01	368688, 372274 to 368680, 372261	0	0	2,714	Realignment
90009_90012	368688, 372274 to 369135, 372510	0	0	6,563	Realignment
90010_90008_01	368680, 372261 to 368670, 372238	0	0	11,523	Realignment
90011_90009_01	368673, 372279 to 368688, 372274	0	0	4,011	Realignment
90011_90010_01	368673, 372279 to 368680, 372261	0	0	8,861	Realignment
90012_2545	369135, 372510 to 367051, 395541	0	0	6,695	Realignment
90013_2583	369536, 374168 to 369944, 373120	0	0	4,659	Realignment

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

Road ID	Start and end coordinates	HDV			Notes
		2025 without the Proposed Scheme	2025 Scenario 2 with the Proposed Scheme	2025 Scenario 3 with the Proposed Scheme	
1003_1004_01	362503, 366841 to 362550, 366855	210	196	276	
1004_1003_01	362550, 366855 to 362503, 366841	204	75	188	
1004_1005_01	362550, 366855 to 362575, 366823	1	1	180	
1004_1006_01	362550, 366855 to 362618, 366941	208	194	95	
1004_R	1004_R	207	135	232	
1005_1004_01	362575, 366823 to 362550, 366855	203	73	187	
1005_1007	362575, 366823 to 362802, 366175	205	73	368	
1005_R	1005_R	102	37	184	

Background Information and Data

Air quality

BID AQ-002-0MA02

MA02: Wimboldsley to Lostock Gram

Additional data used in the air quality assessment

Road ID	Start and end coordinates	HDV			Notes
		2025 without the Proposed Scheme	2025 Scenario 2 with the Proposed Scheme	2025 Scenario 3 with the Proposed Scheme	
1006_1004	362618, 366941 to 362550, 366855	209	195	96	
1007_1005	362802, 366175 to 362575, 366823	205	73	368	
1008_1007	363174, 366264 to 362802, 366175	26	26	26	
1010_1009	363176, 365562 to 362893, 365973	226	95	389	
1010_1011	363176, 365562 to 363198, 365522	1	0	180	
1011_1010_01	363198, 365522 to 363176, 365562	225	95	209	
1011_1012_01	363198, 365522 to 363220, 365474	0	0	0	
1011_1013_01	363198, 365522 to 363151, 365503	0	0	0	
1011_1015	363198, 365522 to 363671, 365707	1	1	180	
1011_R	1011_R	113	48	195	
1012_1011_01	363220, 365474 to 363198, 365522	22	25	23	
1012_1016	363220, 365474 to 363282, 365353	22	25	24	
1013_1011	363151, 365503 to 363198, 365522	0	0	0	
1015_1018	363671, 365707 to 363644, 365746	0	0	0	
1015_1020	363671, 365707 to 364029, 365918	32	32	212	
1016_1077_01	363282, 365353 to 363305, 365385	22	25	23	
1018_1015	363644, 365746 to 363671, 365707	32	31	32	
1018_1031	363644, 365746 to 363218, 365933	32	31	32	
1019_1029	363692, 365633 to 363682, 365690	0	0	0	
1019_1075	363692, 365633 to 363292, 365420	22	21	21	
1020_1021_01	364029, 365918 to 364029, 365960	224	233	415	
1021_1022_01	364029, 365960 to 364011, 365976	24	24	24	
1021_1023_01	364029, 365960 to 364097, 365975	442	426	519	
1022_1021_01	364011, 365976 to 364029, 365960	242	218	128	
1022_1049	364011, 365976 to 363879, 366110	265	242	152	
1023_1024	364097, 365975 to 364231, 366060	421	399	497	
1023_1025_01	364097, 365975 to 364090, 365911	355	292	338	
1024_1023	364231, 366060 to 364097, 365975	332	263	315	
1024_1070	364231, 366060 to 364330, 366107	420	399	498	
1025_1020_01	364090, 365911 to 364029, 365918	192	200	203	
1025_1026_01	364090, 365911 to 364097, 365880	131	201	132	
1025_1028	364090, 365911 to 364028, 365899	225	90	207	
1026_1025_01	364097, 365880 to 364090, 365911	194	200	205	
1026_1027	364097, 365880 to 364176, 365667	325	401	336	
1027_1124	364176, 365667 to 364194, 365645	204	283	216	

Background Information and Data

Air quality

BID AQ-002-0MA02

MA02: Wimboldsley to Lostock Gram

Additional data used in the air quality assessment

Road ID	Start and end coordinates	HDV			Notes
		2025 without the Proposed Scheme	2025 Scenario 2 with the Proposed Scheme	2025 Scenario 3 with the Proposed Scheme	
1028_1029	364028, 365899 to 363682, 365690	225	90	207	
1029_1011	363682, 365690 to 363198, 365522	204	70	186	
1029_1019	363682, 365690 to 363692, 365633	22	21	21	
1035_1006	362738, 366990 to 362618, 366941	209	195	96	
1037_1035	362702, 367085 to 362738, 366990	0	0	0	
1039_1041	362836, 366921 to 363183, 366642	209	196	95	
1049_1050	363879, 366110 to 363699, 366222	266	241	152	
1066_1068	364349, 366113 to 364440, 366172	420	399	498	
1066_1070	364349, 366113 to 364330, 366107	332	263	315	
1068_1066	364440, 366172 to 364349, 366113	331	264	315	
1068_1464	364440, 366172 to 386974, 394742	420	399	498	
1069_1153	364595, 366299 to 364542, 366258	331	264	315	
1069_1154_01	364595, 366299 to 364657, 366215	72	71	61	
1069_1155	364595, 366299 to 364678, 366326	463	454	541	
1069_1465_01	364595, 366299 to 367234, 397284	25	24	25	
1070_1024	364330, 366107 to 364231, 366060	332	263	315	
1070_1066	364330, 366107 to 364349, 366113	420	399	498	
1071_1007	362812, 366145 to 362802, 366175	227	95	389	
1072_1009	362880, 365999 to 362893, 365973	227	95	390	
1073_1035	362762, 366982 to 362738, 366990	209	196	96	
1073_1039	362762, 366982 to 362836, 366921	209	196	96	
1075_1077	363292, 365420 to 363305, 365385	22	22	22	
1077_1078	363305, 365385 to 363705, 365119	0	3	1	
1078_1079	363705, 365119 to 363871, 365386	43	43	43	
1078_1087	363705, 365119 to 363712, 365113	44	46	45	
1083_1088	363788, 365072 to 363772, 365082	44	46	45	
1083_1089	363788, 365072 to 364197, 364959	44	46	45	
1087_1088	363712, 365113 to 363772, 365082	44	46	45	
1089_1091	364197, 364959 to 364222, 364921	44	46	45	
1091_1092	364222, 364921 to 364240, 364867	43	46	44	
1091_1094	364222, 364921 to 364541, 365096	0	0	0	
1092_1101	364240, 364867 to 364391, 364537	43	46	44	
1094_1095	364541, 365096 to 364609, 365041	182	261	195	
1094_1118	364541, 365096 to 364472, 365209	204	283	216	
1094_1120	364541, 365096 to 364706, 365300	22	21	21	

Background Information and Data

Air quality

BID AQ-002-0MA02

MA02: Wimboldsley to Lostock Gram

Additional data used in the air quality assessment

Road ID	Start and end coordinates	HDV			Notes
		2025 without the Proposed Scheme	2025 Scenario 2 with the Proposed Scheme	2025 Scenario 3 with the Proposed Scheme	
1095_1096	364609, 365041 to 364648, 365006	183	262	195	
1096_1098	364648, 365006 to 364668, 364961	183	262	195	
1098_1099	364668, 364961 to 364420, 364639	22	24	23	
1098_1110	364668, 364961 to 364883, 364665	204	286	218	
1099_1098_01	364420, 364639 to 364668, 364961	11	11	11	
1099_1101	364420, 364639 to 364391, 364537	22	24	23	
1101_1102	364391, 364537 to 364316, 364388	22	22	22	
1102_1103	364316, 364388 to 364544, 364457	22	22	22	
1110_1111	364883, 364665 to 364703, 364636	22	21	22	
1110_1112	364883, 364665 to 364998, 364300	226	307	240	
1111_1103	364703, 364636 to 364544, 364457	22	22	22	
1112_1122	364998, 364300 to 365020, 364234	226	308	239	
1113_1116	364216, 365622 to 364398, 365340	204	282	216	
1113_1124	364216, 365622 to 364194, 365645	204	283	216	
1118_1116	364472, 365209 to 364398, 365340	204	282	216	
1120_1131_01	364706, 365300 to 364695, 365592	11	11	11	
1120_1479	364706, 365300 to 369746, 390783	0	0	0	
1125_1126	365188, 363715 to 365111, 363957	226	308	240	
1125_1128	365188, 363715 to 365212, 363572	226	308	240	
1126_1122	365111, 363957 to 365020, 364234	226	307	240	
1128_2212	365212, 363572 to 366466, 361093	224	306	237	
1130_1479	365003, 365589 to 369746, 390783	0	0	0	
1131_1120	364695, 365592 to 364706, 365300	21	21	22	
1133_1131	364697, 365677 to 364695, 365592	22	22	21	
1135_1133	364693, 365774 to 364697, 365677	22	22	21	
1135_1138	364693, 365774 to 364700, 366048	22	21	21	
1135_R	1135_R	11	11	11	
1136_1481	364913, 365789 to 364877, 365777	0	0	0	
1138_1139_01	364700, 366048 to 364702, 366091	72	71	61	
1138_1149_01	364700, 366048 to 364739, 366034	27	27	27	
1141_1143	364819, 366028 to 364919, 366081	27	27	27	
1141_1150	364819, 366028 to 364783, 366026	44	43	33	
1143_1141	364919, 366081 to 364819, 366028	44	43	33	
1148_1472	365088, 365910 to 364662, 392345	44	41	45	
1149_1138_01	364739, 366034 to 364700, 366048	44	43	33	

Background Information and Data

Air quality

BID AQ-002-0MA02

MA02: Wimboldsley to Lostock Gram

Additional data used in the air quality assessment

Road ID	Start and end coordinates	HDV			Notes
		2025 without the Proposed Scheme	2025 Scenario 2 with the Proposed Scheme	2025 Scenario 3 with the Proposed Scheme	
1149_1150	364739, 366034 to 364783, 366026	27	27	27	
1150_1141	364783, 366026 to 364819, 366028	27	27	27	
1150_1149	364783, 366026 to 364739, 366034	44	43	33	
1153_1069_01	364542, 366258 to 364595, 366299	420	399	498	
1153_1464	364542, 366258 to 386974, 394742	331	264	315	
1155_1069_01	364678, 366326 to 364595, 366299	355	284	348	
1155_1466	364678, 366326 to 367284, 397061	463	454	541	
1156_1157_01	364884, 366290 to 364959, 366272	463	454	541	
1156_1466	364884, 366290 to 367284, 397061	355	284	348	
1157_1156	364959, 366272 to 364884, 366290	355	284	348	
1157_1159	364959, 366272 to 365036, 366260	486	477	563	
1158_1157	364956, 366364 to 364959, 366272	1	0	1	
1159_1157_01	365036, 366260 to 364959, 366272	377	307	360	
1160_1139	364701, 366135 to 364702, 366091	72	71	61	
1163_1165	365180, 366260 to 365362, 366280	487	477	564	
1164_1157_01	364957, 366228 to 364959, 366272	67	66	55	
1165_1163	365362, 366280 to 365180, 366260	378	308	360	
1165_1166_01	365362, 366280 to 365450, 366303	487	477	564	
1166_1167_01	365450, 366303 to 365470, 366335	551	538	629	
1167_1168_01	365470, 366335 to 365510, 366345	528	516	605	
1167_1177_01	365470, 366335 to 365418, 366439	158	157	158	
1168_1169_01	365510, 366345 to 365576, 366342	528	516	605	
1169_1170_01	365576, 366342 to 365619, 366361	235	299	248	
1169_1171_01	365576, 366342 to 365581, 366291	467	449	531	
1170_1169_01	365619, 366361 to 365576, 366342	173	233	175	
1170_1233	365619, 366361 to 365672, 366389	408	533	423	
1171_1468_01	365581, 366291 to 367001, 398122	467	449	531	
1172_1174_01	365558, 366218 to 365488, 366225	485	409	466	
1173_1178	365647, 366057 to 365776, 366021	169	170	167	
1173_1201	365647, 366057 to 360000, 393320	79	5	143	
1173_1469	365647, 366057 to 365604, 366163	202	73	182	
1174_1175_01	365488, 366225 to 365458, 366198	43	40	43	
1174_1176_01	365488, 366225 to 365452, 366279	444	370	425	
1175_1174_01	365458, 366198 to 365488, 366225	0	1	2	
1175_1470	365458, 366198 to 365050, 392670	44	41	44	

Background Information and Data

Air quality

BID AQ-002-0MA02

MA02: Wimboldsley to Lostock Gram

Additional data used in the air quality assessment

Road ID	Start and end coordinates	HDV			Notes
		2025 without the Proposed Scheme	2025 Scenario 2 with the Proposed Scheme	2025 Scenario 3 with the Proposed Scheme	
1176_1165_01	365452, 366279 to 365362, 366280	378	308	360	
1176_1166_01	365452, 366279 to 365450, 366303	65	64	65	
1177_1167	365418, 366439 to 365470, 366335	294	293	294	
1177_1492	365418, 366439 to 365637, 395168	78	78	78	
1178_1180	365776, 366021 to 365841, 365995	169	171	167	
1180_1182	365841, 365995 to 366037, 366020	157	158	155	
1184_1186	366178, 366037 to 366583, 366119	49	43	49	
1186_1187	366583, 366119 to 366535, 366236	12	44	26	
1186_1188	366583, 366119 to 366729, 366137	59	86	74	
1188_1190	366729, 366137 to 366817, 366127	61	87	76	
1190_1192	366817, 366127 to 366927, 366112	70	95	58	
1192_1193_01	366927, 366112 to 366958, 366076	48	74	36	
1193_1192_01	366958, 366076 to 366927, 366112	22	21	22	
1193_1194_01	366958, 366076 to 366992, 366092	126	77	177	
1193_1196_01	366958, 366076 to 366907, 366020	139	9	120	
1193_R	1193_R	143	53	159	
1194_1193_01	366992, 366092 to 366958, 366076	159	29	140	
1196_1193_01	366907, 366020 to 366958, 366076	79	5	143	
1200_1196	366609, 365879 to 366907, 366020	218	14	263	
1200_1201	366609, 365879 to 360000, 393320	218	14	263	
1201_1173	360000, 393320 to 365647, 366057	139	9	120	
1202_1204_01	365716, 366418 to 365762, 366421	96	96	96	
1202_1233_01	365716, 366418 to 365672, 366389	173	233	175	
1202_1234_01	365716, 366418 to 365686, 366498	31	30	30	
1202_R	1202_R	150	179	150	
1203_1234	365650, 366903 to 365686, 366498	226	285	227	
1204_1202_01	365762, 366421 to 365716, 366418	52	51	52	
1206_1204	378874, 392034 to 365762, 366421	86	85	86	
1206_1208	378874, 392034 to 366013, 366569	86	85	86	
1230_1187	366485, 366337 to 366535, 366236	12	44	26	
1233_1202_01	365672, 366389 to 365716, 366418	22	21	22	
1233_1234_01	365672, 366389 to 365686, 366498	213	277	227	
1234_1202_01	365686, 366498 to 365716, 366418	226	285	227	
1234_1203	365686, 366498 to 365650, 366903	244	308	257	
1247_1249	366471, 367876 to 366823, 367996	649	737	673	

Background Information and Data

Air quality

BID AQ-002-0MA02

MA02: Wimboldsley to Lostock Gram

Additional data used in the air quality assessment

Road ID	Start and end coordinates	HDV			Notes
		2025 without the Proposed Scheme	2025 Scenario 2 with the Proposed Scheme	2025 Scenario 3 with the Proposed Scheme	
1249_1514_01	366823, 367996 to 366822, 368001	324	357	349	
1250_1516_01	366832, 368035 to 364072, 390808	388	387	433	
1251_1255	366880, 368012 to 366970, 368049	239	166	238	
1251_1510_01	366880, 368012 to 366867, 368005	108	68	73	
1252_1257	366855, 367971 to 366856, 367260	354	406	343	
1252_1512_01	366855, 367971 to 366848, 367984	225	251	205	
1253_1287	367306, 365743 to 367417, 365707	353	210	523	
1253_1462	367306, 365743 to 386874, 394074	352	210	522	
1255_1267	366970, 368049 to 367370, 368067	238	164	236	
1257_1259	366856, 367260 to 366981, 366980	351	219	339	
1261_1259	367158, 366574 to 366981, 366980	351	219	338	
1261_1263	367158, 366574 to 367287, 366263	350	217	338	
1263_1265	367287, 366263 to 367305, 366085	586	401	572	
1265_1266	367305, 366085 to 388954, 388947	586	401	572	
1266_1194	388954, 388947 to 366992, 366092	285	107	317	
1267_1269	367370, 368067 to 367893, 367515	228	155	227	
1267_2077	367370, 368067 to 370815, 364465	11	11	11	
1269_1271	367893, 367515 to 368206, 367245	228	155	227	
1273_1271	369103, 366756 to 368206, 367245	228	289	0	Realignment
1273_1276	369103, 366756 to 368431, 366612	491	354	0	Realignment
1274_1273	369348, 366726 to 369103, 366756	719	842	0	Realignment
1274_1289	369348, 366726 to 369672, 366537	719	826	1,171	
1278_1266	367737, 365997 to 388954, 388947	491	263	727	
1282_1280	368849, 364893 to 368303, 365043	352	346	0	Realignment
1283_1282	369156, 365183 to 368849, 364893	129	137	0	Realignment
1285_1282	368920, 363668 to 368849, 364893	453	394	0	Realignment
1285_2064	368920, 363668 to 368291, 361672	426	380	605	
1287_1280	367417, 365707 to 368303, 365043	353	210	0	Realignment
1288_1276	368103, 366233 to 368431, 366612	491	324	0	Realignment
1288_1278	368103, 366233 to 367737, 365997	491	261	0	Realignment
1291_1289	367187, 387080 to 369672, 366537	719	829	1,172	
1291_1292_01	367187, 387080 to 367392, 387056	47	46	46	
1291_R	1291_R	392	446	615	
1292_1291	367392, 387056 to 367187, 387080	64	61	61	
1292_1294	367392, 387056 to 369772, 366732	64	61	61	

Background Information and Data

Air quality

BID AQ-002-0MA02

MA02: Wimboldsley to Lostock Gram

Additional data used in the air quality assessment

Road ID	Start and end coordinates	HDV			Notes
		2025 without the Proposed Scheme	2025 Scenario 2 with the Proposed Scheme	2025 Scenario 3 with the Proposed Scheme	
1301_1299	388979, 388893 to 388756, 388841	0	0	0	
1301_1414	388979, 388893 to 369940, 368339	694	1,575	1,425	
1301_2132	388979, 388893 to 365912, 372900	694	1,590	1,428	
1302_1291_01	369807, 366438 to 367187, 387080	787	895	1,225	
1302_1457	369807, 366438 to 385873, 393935	398	458	685	
1303_1304	369961, 366389 to 370003, 366398	395	456	683	
1303_1307	369961, 366389 to 369968, 366368	7	5	6	
1304_1305	370003, 366398 to 369988, 366383	388	452	552	
1305_1307_01	369988, 366383 to 369968, 366368	388	453	552	
1306_1305	370030, 366374 to 369988, 366383	0	0	0	
1307_1308	369968, 366368 to 369927, 366327	395	451	556	
1308_1309	369927, 366327 to 369895, 366330	389	446	550	
1308_1310	369927, 366327 to 369886, 366286	7	6	7	
1309_1302	369895, 366330 to 369807, 366438	395	451	558	
1310_1309_01	369886, 366286 to 369895, 366330	5	3	5	
1310_1321	369886, 366286 to 367078, 389435	12	9	11	
1311_1310	369790, 366207 to 369886, 366286	0	0	0	
1313_1311	369728, 366083 to 369790, 366207	0	0	0	
1315_1283	379536, 389279 to 369156, 365183	145	153	99	
1315_1313	379536, 389279 to 369728, 366083	0	0	0	
1315_1316	379536, 389279 to 369686, 365500	145	150	110	
1318_1316	369649, 388097 to 369686, 365500	145	151	110	
1320_1331	370193, 365552 to 370429, 365558	114	122	80	
1323_1321	369477, 388021 to 367078, 389435	12	9	11	
1323_1324	369477, 388021 to 370238, 366086	0	0	0	
1324_1351	370238, 366086 to 370382, 366229	0	0	0	
1325_1323	370158, 365861 to 369477, 388021	12	9	11	
1326_1320	370133, 365838 to 370193, 365552	9	9	9	
1326_1325_01	370133, 365838 to 370158, 365861	9	8	9	
1328_1325	370437, 365657 to 370158, 365861	3	0	3	
1328_1331	370437, 365657 to 370429, 365558	76	57	43	
1329_1328	383019, 391947 to 370437, 365657	77	56	45	
1331_1348	370429, 365558 to 382659, 391223	41	67	38	
1331_1359	370429, 365558 to 368441, 387520	0	0	0	
1332_1304	370239, 366362 to 370003, 366398	784	908	1,236	

Background Information and Data

Air quality

BID AQ-002-0MA02

MA02: Wimboldsley to Lostock Gram

Additional data used in the air quality assessment

Road ID	Start and end coordinates	HDV			Notes
		2025 without the Proposed Scheme	2025 Scenario 2 with the Proposed Scheme	2025 Scenario 3 with the Proposed Scheme	
1332_1334	370239, 366362 to 370291, 366329	395	457	683	
1334_1332	370291, 366329 to 370239, 366362	388	452	552	
1334_1335	370291, 366329 to 370324, 366310	395	457	683	
1335_1334	370324, 366310 to 370291, 366329	388	452	552	
1335_1336_01	370324, 366310 to 370313, 366278	0	0	0	
1335_1461	370324, 366310 to 365467, 394797	417	476	704	
1336_1335_01	370313, 366278 to 370324, 366310	43	42	42	
1336_1351	370313, 366278 to 370382, 366229	0	0	0	
1337_1338	370441, 366302 to 370420, 366231	330	244	258	
1337_1382_01	370441, 366302 to 370501, 366301	890	1,070	1,340	
1337_1461_01	370441, 366302 to 365467, 394797	827	949	1,277	
1338_1337_01	370420, 366231 to 370441, 366302	187	172	153	
1338_1352	370420, 366231 to 370415, 366208	330	244	258	
1341_1339	370541, 365914 to 370456, 366078	330	245	258	
1343_1329	370562, 365855 to 383019, 391947	75	58	43	
1343_1341	370562, 365855 to 370541, 365914	315	231	244	
1344_1343	370604, 365780 to 370562, 365855	255	173	210	
1344_1346	370604, 365780 to 370635, 365663	258	185	214	
1346_1348	370635, 365663 to 382659, 391223	235	162	191	
1348_1353	382659, 391223 to 370709, 365408	254	204	212	
1351_1352_01	370382, 366229 to 370415, 366208	0	0	0	
1352_1416	370415, 366208 to 370428, 366166	330	245	259	
1353_1354	370709, 365408 to 388155, 394851	216	166	174	
1353_1365	370709, 365408 to 370588, 365358	42	41	42	
1354_1356	388155, 394851 to 371070, 364857	114	68	74	
1354_1367_01	388155, 394851 to 369287, 387907	102	100	101	
1355_1356	371340, 365014 to 371070, 364857	233	230	232	
1356_1378	371070, 364857 to 370827, 364685	74	74	75	
1357_1356	371137, 364780 to 371070, 364857	402	361	363	
1358_1357	371449, 364439 to 371137, 364780	401	361	364	
1362_1364	368323, 387258 to 370634, 365151	0	0	0	
1364_1365	370634, 365151 to 370588, 365358	22	21	21	
1367_1364	369287, 387907 to 370634, 365151	22	21	22	
1368_1367	370765, 365061 to 369287, 387907	123	121	122	
1368_1370	370765, 365061 to 370782, 364922	124	121	122	

Background Information and Data

Air quality

BID AQ-002-0MA02

MA02: Wimboldsley to Lostock Gram

Additional data used in the air quality assessment

Road ID	Start and end coordinates	HDV			Notes
		2025 without the Proposed Scheme	2025 Scenario 2 with the Proposed Scheme	2025 Scenario 3 with the Proposed Scheme	
1382_1383	370501, 366301 to 370579, 366320	890	1,070	1,340	
1383_1385	370579, 366320 to 370625, 366348	1,048	1,293	1,568	
1385_1386	370625, 366348 to 370646, 366363	1,027	1,274	1,546	
1385_1413_01	370625, 366348 to 370601, 366385	23	22	22	
1386_1387	370646, 366363 to 370867, 366500	1,027	1,274	1,546	
1387_1388	370867, 366500 to 371003, 366540	1,027	1,274	1,546	
1388_1390	371003, 366540 to 371183, 366595	1,063	1,310	1,585	
1391_1390	371247, 366611 to 371183, 366595	1,063	1,310	1,585	
1391_1500_01	371247, 366611 to 371259, 366616	600	745	922	
1393_1397	371268, 366645 to 369452, 388006	969	1,153	1,274	
1393_1497_01	371268, 366645 to 371277, 366639	381	444	512	
1394_1495_01	371324, 366638 to 360566, 393919	798	961	862	
1395_1493_01	371306, 366556 to 365823, 395242	165	200	199	
1397_1398	369452, 388006 to 368606, 387578	969	1,153	1,274	
1398_1399	368606, 387578 to 369345, 387941	712	1,589	1,441	
1399_1506_01	369345, 387941 to 370391, 391324	523	976	904	
1401_1508_01	368477, 387540 to 370717, 366809	0	0	0	Realignment
1403_1404	370705, 366864 to 370407, 367162	644	1,529	1,378	
1403_1504_01	370705, 366864 to 370714, 366852	173	595	521	
1404_1408_01	370407, 367162 to 370322, 367144	509	974	895	
1406_1404	370339, 367159 to 370407, 367162	209	625	553	
1407_1406_01	370312, 367171 to 370339, 367159	198	614	542	
1407_1414	370312, 367171 to 369940, 368339	696	1,576	1,426	
1408_1406_01	370322, 367144 to 370339, 367159	11	10	11	
1408_1407_01	370322, 367144 to 370312, 367171	497	962	884	
1408_1409	370322, 367144 to 370371, 366759	21	20	21	
1409_1411	370371, 366759 to 370519, 366472	22	21	22	
1411_1413	370519, 366472 to 370601, 366385	23	22	22	
1416_1339	370428, 366166 to 370456, 366078	330	245	259	
1416_1352	370428, 366166 to 370415, 366208	330	245	259	
1421_1419	373110, 366913 to 372624, 366935	1,521	1,818	1,711	
1421_1423	373110, 366913 to 373204, 366920	1,510	1,796	1,689	
1423_1424	373204, 366920 to 373572, 365874	13	11	12	
1423_1428	373204, 366920 to 365833, 389206	1,520	1,808	1,703	
1426_1611	372831, 365223 to 360434, 392514	1	3	3	

Background Information and Data

Air quality

BID AQ-002-0MA02

MA02: Wimboldsley to Lostock Gram

Additional data used in the air quality assessment

Road ID	Start and end coordinates	HDV			Notes
		2025 without the Proposed Scheme	2025 Scenario 2 with the Proposed Scheme	2025 Scenario 3 with the Proposed Scheme	
1430_1428	367972, 387010 to 365833, 389206	1,520	1,808	1,703	
1432_1394	372425, 366921 to 371324, 366638	1,538	1,834	1,729	
1432_1419	372425, 366921 to 372624, 366935	1,538	1,834	1,729	
1433_1434_01	374143, 367123 to 374167, 367397	32	227	72	
1433_1439_01	374143, 367123 to 374278, 367153	797	784	922	
1434_1435_01	374167, 367397 to 374181, 367555	32	227	72	
1435_1436	374181, 367555 to 374179, 367737	3,485	4,327	4,214	
1437_1438	374201, 367709 to 374206, 367555	5,212	5,884	5,874	
1438_1439_01	374206, 367555 to 374278, 367153	1,835	1,739	1,350	
1438_1443	374206, 367555 to 360132, 393126	3,378	4,146	4,548	
1439_1440_01	374278, 367153 to 374339, 367134	224	277	267	
1439_1441_01	374278, 367153 to 374287, 367092	2,414	2,257	2,016	
1440_1441_01	374339, 367134 to 374287, 367092	231	282	227	
1440_1449	374339, 367134 to 360313, 392856	455	558	494	
1441_1442_01	374287, 367092 to 368523, 390000	2,512	2,257	2,044	
1441_1447_01	374287, 367092 to 374148, 367054	132	290	211	
1442_1443_01	368523, 390000 to 360132, 393126	2,512	2,257	2,044	
1443_1444	360132, 393126 to 374363, 366576	5,875	6,371	6,541	
1444_2079	374363, 366576 to 376921, 361851	5,875	6,371	6,541	
1445_1446	369999, 391305 to 374258, 366815	4,258	4,977	4,997	
1446_1435	374258, 366815 to 374181, 367555	3,456	4,108	4,163	
1446_1447_01	374258, 366815 to 374148, 367054	799	872	837	
1447_1433_01	374148, 367054 to 374143, 367123	119	188	167	
1447_1448_01	374148, 367054 to 373974, 367045	810	971	872	
1448_1430	373974, 367045 to 367972, 387010	1,521	1,810	1,703	
1448_1433_01	373974, 367045 to 374143, 367123	711	839	831	
1450_1449	360424, 392847 to 360313, 392856	455	558	494	
1451_1450	375255, 367239 to 360424, 392847	455	558	494	
1451_2214	375255, 367239 to 375445, 367253	340	453	384	
1457_1303	385873, 393935 to 369961, 366389	402	461	689	
1459_1501_01	360906, 394499 to 370489, 389327	18	18	18	
1461_1335	365467, 394797 to 370324, 366310	367	431	531	
1461_1336_01	365467, 394797 to 370313, 366278	43	42	42	
1462_1266	386874, 394074 to 388954, 388947	353	205	522	
1464_1068	386974, 394742 to 364440, 366172	331	264	315	

Background Information and Data

Air quality

BID AQ-002-0MA02

MA02: Wimboldsley to Lostock Gram

Additional data used in the air quality assessment

Road ID	Start and end coordinates	HDV			Notes
		2025 without the Proposed Scheme	2025 Scenario 2 with the Proposed Scheme	2025 Scenario 3 with the Proposed Scheme	
1464_1153	386974, 394742 to 364542, 366258	420	399	498	
1465_1069_01	367234, 397284 to 364595, 366299	27	39	28	
1465_1455	367234, 397284 to 366085, 395219	52	63	52	
1466_1155	367284, 397061 to 364678, 366326	355	284	348	
1466_1156	367284, 397061 to 364884, 366290	463	454	541	
1467_1154	369148, 390430 to 364657, 366215	72	71	61	
1467_1160	369148, 390430 to 364701, 366135	72	71	61	
1468_1172_01	367001, 398122 to 365558, 366218	284	342	284	
1468_1469	367001, 398122 to 365604, 366163	183	106	246	
1469_1172	365604, 366163 to 365558, 366218	202	73	182	
1469_1173	365604, 366163 to 365647, 366057	183	106	246	
1470_1472	365050, 392670 to 364662, 392345	44	41	45	
1477_1136	360587, 392511 to 364913, 365789	0	0	0	
1481_1135	364877, 365777 to 364693, 365774	0	0	0	
1483_1003	362276, 366790 to 362503, 366841	414	271	464	
1485_1071	364126, 390970 to 362812, 366145	227	95	389	
1486_1072	388867, 396294 to 362880, 365999	227	95	390	
1486_1485	388867, 396294 to 364126, 390970	227	95	389	
1489_1027	367074, 395884 to 364176, 365667	164	162	164	
1489_1081	367074, 395884 to 364100, 365444	164	162	164	
1493_1499_01	365823, 395242 to 388559, 397384	951	1,177	1,162	
1494_1395_01	360387, 393131 to 371306, 366556	159	211	215	
1494_1493_01	360387, 393131 to 365823, 395242	782	965	955	
1495_1494_01	360566, 393919 to 360387, 393131	941	1,175	1,170	
1496_1394	371304, 366631 to 371324, 366638	740	874	866	
1496_1495_01	371304, 366631 to 360566, 393919	140	254	328	
1497_1496_01	371277, 366639 to 371304, 366631	881	1,094	1,174	
1498_1393_01	388669, 397100 to 371268, 366645	588	708	762	
1498_1497_01	388669, 397100 to 371277, 366639	498	663	694	
1499_1391_01	388559, 397384 to 371247, 366611	464	565	662	
1499_1500_01	388559, 397384 to 371259, 366616	487	649	527	
1500_1498_01	371259, 366616 to 388669, 397100	1,086	1,356	1,423	
1501_1503_01	370489, 389327 to 370246, 388788	489	951	874	
1502_1459_01	370225, 388476 to 360906, 394499	0	0	0	Realignment
1502_1501_01	370225, 388476 to 370489, 389327	470	925	853	

Background Information and Data

Air quality

BID AQ-002-0MA02

MA02: Wimboldsley to Lostock Gram

Additional data used in the air quality assessment

Road ID	Start and end coordinates	HDV			Notes
		2025 without the Proposed Scheme	2025 Scenario 2 with the Proposed Scheme	2025 Scenario 3 with the Proposed Scheme	
1503_1403_01	370246, 388788 to 370705, 366864	471	934	857	
1503_1504_01	370246, 388788 to 370714, 366852	18	17	18	
1504_1505_01	370714, 366852 to 370000, 391309	191	613	539	
1505_1399_01	370000, 391309 to 369345, 387941	189	613	537	
1505_1506_01	370000, 391309 to 370391, 391324	2	0	2	
1506_1507_01	370391, 391324 to 370726, 366810	525	976	906	
1507_1401_01	370726, 366810 to 368477, 387540	54	50	53	
1507_1508_01	370726, 366810 to 370717, 366809	470	925	853	
1508_1502_01	370717, 366809 to 370225, 388476	470	925	853	
1509_1251_01	366864, 368013 to 366880, 368012	131	98	164	
1509_1510_01	366864, 368013 to 366867, 368005	385	429	392	
1510_1511_01	366867, 368005 to 366855, 367986	493	498	466	
1511_1252_01	366855, 367986 to 366855, 367971	129	155	137	
1511_1512_01	366855, 367986 to 366848, 367984	364	342	329	
1512_1513_01	366848, 367984 to 366826, 367993	588	591	535	
1513_1249_01	366826, 367993 to 366823, 367996	326	381	322	
1513_1514_01	366826, 367993 to 366822, 368001	263	211	212	
1514_1515_01	366822, 368001 to 363985, 390947	588	565	561	
1515_1250_01	363985, 390947 to 366832, 368035	455	418	429	
1515_1516_01	363985, 390947 to 364072, 390808	133	146	132	
1516_1509_01	364072, 390808 to 366864, 368013	517	526	556	
1600_1395	363998, 390837 to 371306, 366556	324	410	414	
1600_1601_01	363998, 390837 to 363941, 390884	159	211	215	
1601_1602_01	363941, 390884 to 360427, 392586	160	212	217	
1602_1603_01	360427, 392586 to 360471, 392539	63	120	123	
1602_1604_01	360427, 392586 to 385921, 391581	97	92	94	
1603_1604_01	360471, 392539 to 385921, 391581	84	121	119	
1604_1605_01	385921, 391581 to 360511, 392485	181	212	213	
1605_1606_01	360511, 392485 to 386037, 391556	97	94	95	
1605_1607_01	360511, 392485 to 364774, 391604	84	118	117	
1606_1607_01	386037, 391556 to 364774, 391604	81	81	81	
1607_1608_01	364774, 391604 to 385857, 390890	164	200	199	
1608_1600_01	385857, 390890 to 363998, 390837	165	200	199	
1608_1601_01	385857, 390890 to 363941, 390884	0	0	0	
1609_1610_01	364953, 391635 to 377650, 392251	64	121	124	

Background Information and Data
 Air quality
 BID AQ-002-0MA02
 MA02: Wimboldsley to Lostock Gram
 Additional data used in the air quality assessment

Road ID	Start and end coordinates	HDV			Notes
		2025 without the Proposed Scheme	2025 Scenario 2 with the Proposed Scheme	2025 Scenario 3 with the Proposed Scheme	
1610_1611_01	377650, 392251 to 360434, 392514	1	1	1	
1610_1612_01	377650, 392251 to 360354, 392176	63	121	123	
1611_1612_01	360434, 392514 to 360354, 392176	0	2	2	
1612_1613_01	360354, 392176 to 372452, 365065	63	123	125	
1613_1614_01	372452, 365065 to 372386, 365075	0	2	2	
1613_3002_01	372452, 365065 to 373183, 360289	63	121	123	
1614_1615_01	372386, 365075 to 372360, 365143	85	121	119	
1615_1616_01	372360, 365143 to 372313, 365168	0	0	0	
1615_1617_01	372360, 365143 to 377420, 390574	85	121	119	
1616_1355	372313, 365168 to 371340, 365014	0	0	0	
1616_1617_01	372313, 365168 to 377420, 390574	0	0	0	
1617_1618_01	377420, 390574 to 383101, 392075	85	121	119	
1618_1609_01	383101, 392075 to 364953, 391635	1	1	1	
1618_3001_01	383101, 392075 to 373178, 360399	84	121	119	
1619_1620_01	378041, 391477 to 378251, 391328	279	328	333	
1620_1621_01	378251, 391328 to 378605, 392321	275	323	328	
1620_1622_01	378251, 391328 to 380678, 391416	4	5	5	
1621_1622_01	378605, 392321 to 380678, 391416	265	272	268	
1622_1623_01	380678, 391416 to 378494, 391219	270	276	273	
1623_1624_01	378494, 391219 to 372034, 363938	185	155	154	
1623_1625_01	378494, 391219 to 378975, 391992	85	121	118	
1624_1358	372034, 363938 to 371449, 364439	401	361	364	
1624_1625_01	372034, 363938 to 378975, 391992	216	206	209	
1625_1626_01	378975, 391992 to 378942, 389006	301	328	328	
1626_1619_01	378942, 389006 to 378041, 391477	216	207	210	
1626_3003_01	378942, 389006 to 373284, 360304	85	120	118	
2077_1267_01	370815, 364465 to 367370, 368067	11	11	11	
2079_1445	376921, 361851 to 369999, 391305	4,258	5,112	5,108	
2084_1621	373727, 361748 to 378605, 392321	541	595	596	
2212_1128	366466, 361093 to 365212, 363572	224	306	237	
2225_1037	362665, 367225 to 362702, 367085	0	0	0	
3000_1603	370105, 375400 to 360471, 392539	147	241	241	
3000_3001	370105, 375400 to 373178, 360399	147	241	241	
3001_1609_01	373178, 360399 to 364953, 391635	63	120	123	
3002_1614_01	373183, 360289 to 372386, 365075	85	120	118	

Background Information and Data

Air quality

BID AQ-002-0MA02

MA02: Wimboldsley to Lostock Gram

Additional data used in the air quality assessment

Road ID	Start and end coordinates	HDV			Notes
		2025 without the Proposed Scheme	2025 Scenario 2 with the Proposed Scheme	2025 Scenario 3 with the Proposed Scheme	
3002_3003	373183, 360289 to 373284, 360304	148	242	241	
3003_1619_01	373284, 360304 to 378041, 391477	63	121	123	
1271_90015	368206, 367245 to 368252, 367211	0	0	278	Realignment
1274_90012	369348, 366726 to 369135, 372510	0	0	1,171	Realignment
1280_1287	368303, 365043 to 367417, 365707	0	0	523	Realignment
1280_90040	368303, 365043 to 368787, 364890	0	0	522	Realignment
1283_90044	369156, 365183 to 380483, 384634	0	0	83	Realignment
1285_90048	368920, 363668 to 368845, 364875	0	0	613	Realignment
90000_1278	377330, 383400 to 367737, 365997	0	0	725	Realignment
90001_90000	372010, 384250 to 377330, 383400	0	0	726	Realignment
90002_90001	368654, 372288 to 372010, 384250	0	0	731	Realignment
90002_90003	368654, 372288 to 368612, 372257	0	0	731	Realignment
90003_90030	368612, 372257 to 368355, 366818	0	0	731	Realignment
90012_90038	369135, 372510 to 368390, 366867	0	0	1,171	Realignment
90015_90035	368252, 367211 to 368334, 366901	0	0	278	Realignment
90030_90031_01	368355, 366818 to 368352, 366831	0	0	404	Realignment
90031_90033_01	368352, 366831 to 368333, 366887	0	0	464	Realignment
90032_90030_01	368359, 366832 to 368355, 366818	0	0	327	Realignment
90032_90031_01	368359, 366832 to 368352, 366831	0	0	85	Realignment
90033_90034_01	368333, 366887 to 368340, 366890	0	0	398	Realignment
90033_90035_01	368333, 366887 to 368334, 366901	0	0	87	Realignment
90034_90036_01	368340, 366890 to 368378, 366870	0	0	572	Realignment
90035_90034_01	368334, 366901 to 368340, 366890	0	0	192	Realignment
90036_90037_01	368378, 366870 to 368380, 366862	0	0	0	Realignment
90036_90038_01	368378, 366870 to 368390, 366867	0	0	571	Realignment
90037_90032_01	368380, 366862 to 368359, 366832	0	0	391	Realignment
90038_90037_01	368390, 366867 to 368380, 366862	0	0	390	Realignment
90040_90041_01	368787, 364890 to 368798, 364912	0	0	248	Realignment
90041_90042_01	368798, 364912 to 368841, 364948	0	0	286	Realignment
90042_90043_01	368841, 364948 to 380670, 384456	0	0	242	Realignment
90042_90044_01	368841, 364948 to 380483, 384634	0	0	44	Realignment
90043_90047_01	380670, 384456 to 368849, 364895	0	0	281	Realignment
90044_90043_01	380483, 384634 to 380670, 384456	0	0	39	Realignment
90045_90040_01	368808, 364894 to 368787, 364890	0	0	312	Realignment
90045_90041_01	368808, 364894 to 368798, 364912	0	0	38	Realignment

Background Information and Data

Air quality

BID AQ-002-0MA02

MA02: Wimboldsley to Lostock Gram

Additional data used in the air quality assessment

Road ID	Start and end coordinates	HDV			Notes
		2025 without the Proposed Scheme	2025 Scenario 2 with the Proposed Scheme	2025 Scenario 3 with the Proposed Scheme	
90046_90045_01	368833, 364888 to 368808, 364894	0	0	351	Realignment
90047_90046_01	368849, 364895 to 368833, 364888	0	0	10	Realignment
90047_90048_01	368849, 364895 to 368845, 364875	0	0	271	Realignment
90048_90046_01	368845, 364875 to 368833, 364888	0	0	340	Realignment
2093_2103	367752, 376430 to 367238, 376670	396	377	422	
2093_2265	367752, 376430 to 368633, 376460	167	186	180	
2094_2093	368123, 375820 to 367752, 376430	229	193	242	
2094_2265	368123, 375820 to 368633, 376460	147	185	148	
2095_2096	369244, 375030 to 369311, 375060	238	435	316	
2095_2116	369244, 375030 to 369035, 374930	238	435	316	
2096_2097	369311, 375060 to 373791, 365395	240	438	319	
2097_4006_01	373791, 365395 to 363740, 391245	221	420	301	
2098_2532_01	369981, 375350 to 370092, 375411	732	1,288	961	
2098_4006	369981, 375350 to 363740, 391245	221	420	301	
2099_2098_01	369996, 375320 to 369981, 375350	762	1,321	993	
2100_2103	366902, 376800 to 367238, 376670	436	424	461	
2101_2102	368417, 375550 to 368972, 375020	266	194	257	
2102_2556	368972, 375020 to 363591, 392405	24	22	24	
2103_2268_01	367238, 376670 to 367015, 375090	33	41	33	
2105_2765	367169, 374140 to 366993, 374060	28	29	28	
2105_2766	367169, 374140 to 367007, 374200	201	208	205	
2116_2102	369035, 374930 to 368972, 375020	242	171	232	
2116_2119	369035, 374930 to 368628, 374750	379	566	451	
2116_2400	369035, 374930 to 369149, 374790	199	121	226	
2117_2121	368462, 372860 to 368370, 373180	419	583	513	
2117_3526	368462, 372860 to 368517, 372759	419	582	514	
2119_2832	368628, 374750 to 365331, 391426	378	364	368	
2120_2545	368891, 371530 to 367051, 395541	0	23	0	
2120_2840_01	368891, 371530 to 380690, 391927	240	809	0	Realignment
2121_2275	368370, 373180 to 367221, 387577	197	237	210	
2121_2837	368370, 373180 to 380382, 392503	229	428	310	
2123_2122	365862, 371590 to 365687, 371650	172	163	165	
2123_2125	365862, 371590 to 367367, 387170	31	31	41	
2123_3003	365862, 371590 to 373284, 360304	131	125	140	
2124_2126	366027, 371520 to 366868, 387575	744	766	748	

Background Information and Data

Air quality

BID AQ-002-0MA02

MA02: Wimboldsley to Lostock Gram

Additional data used in the air quality assessment

Road ID	Start and end coordinates	HDV			Notes
		2025 without the Proposed Scheme	2025 Scenario 2 with the Proposed Scheme	2025 Scenario 3 with the Proposed Scheme	
2124_3001	366027, 371520 to 373178, 360399	496	497	484	
2125_2123_02	367367, 387170 to 365862, 371590	0	0	8	
2125_2127	367367, 387170 to 366538, 371250	149	274	202	
2125_R	2125_R	74	136	105	
2126_2124	366868, 387575 to 366027, 371520	496	497	484	
2126_2125	366868, 387575 to 367367, 387170	116	237	167	
2126_2192	366868, 387575 to 367200, 372100	744	766	748	
2127_2125	366538, 371250 to 367367, 387170	150	274	211	
2127_2659_01	366538, 371250 to 366666, 369820	149	274	202	
2128_2122	365543, 371870 to 365687, 371650	151	142	142	
2182_2185	365078, 371090 to 364912, 371150	390	397	381	
2182_2594_01	365078, 371090 to 365096, 371060	33	32	32	
2182_3508	365078, 371090 to 365803, 371423	318	317	317	
2183_2191	368782, 372810 to 369124, 373270	830	1,280	899	
2183_2545	368782, 372810 to 367051, 395541	300	291	0	Realignment
2183_3523	368782, 372810 to 368592, 372714	981	1,490	911	
2185_2182	364912, 371150 to 365078, 371090	330	327	329	
2187_2188	367849, 372640 to 367308, 372200	625	745	666	
2187_3517	367849, 372640 to 368445, 372683	676	648	677	
2188_2187	367308, 372200 to 367849, 372640	694	701	695	
2188_2192	367308, 372200 to 367200, 372100	625	745	666	
2188_5018_01	367308, 372200 to 369800, 383770	49	66	54	
2189_2190	366496, 373940 to 368832, 387250	186	194	184	
2189_2397	366496, 373940 to 366631, 373770	22	27	22	
2189_2693_01	366496, 373940 to 366489, 373940	21	22	21	
2191_2183	369124, 373270 to 368782, 372810	703	1,234	911	
2191_2523	369124, 373270 to 366410, 392446	830	1,280	899	
2192_2126	367200, 372100 to 366868, 387575	612	734	650	
2192_2188	367200, 372100 to 367308, 372200	744	766	748	
2192_5010_01	367200, 372100 to 371980, 382880	27	26	27	
2193_2099	369386, 373810 to 369996, 375320	630	1,189	851	
2193_2400	369386, 373810 to 369149, 374790	199	253	227	
2193_2523	369386, 373810 to 366410, 392446	703	1,234	911	
2193_2583	369386, 373810 to 369944, 373120	29	35	0	Realignment
2232_3000	370584, 375700 to 370105, 375400	847	1,423	1,073	

Background Information and Data

Air quality

BID AQ-002-0MA02

MA02: Wimboldsley to Lostock Gralam

Additional data used in the air quality assessment

Road ID	Start and end coordinates	HDV			Notes
		2025 without the Proposed Scheme	2025 Scenario 2 with the Proposed Scheme	2025 Scenario 3 with the Proposed Scheme	
2266_2265	368638, 376470 to 368633, 376460	271	329	285	
2266_2555	368638, 376470 to 362179, 392342	177	179	189	
2267_2266	369333, 377030 to 368638, 376470	124	157	124	
2268_2103	367015, 375090 to 367238, 376670	62	71	61	
2268_2847	367015, 375090 to 382403, 390526	131	168	156	
2268_4000	367015, 375090 to 367338, 375221	78	109	104	
2275_2121_01	367221, 387577 to 368370, 373180	88	118	84	
2275_2274	367221, 387577 to 367304, 387368	197	237	210	
2278_2280	366843, 373950 to 366978, 373850	201	236	225	
2278_2750	366843, 373950 to 367347, 387212	208	237	231	
2278_2765	366843, 373950 to 366993, 374060	47	48	47	
2307_2545	370470, 372030 to 367051, 395541	300	282	179	
2307_2583	370470, 372030 to 369944, 373120	29	35	163	
2308_2307	372976, 370960 to 370470, 372030	328	304	341	
2331_2103	367421, 377860 to 367238, 376670	0	0	0	
2333_2278	366658, 373780 to 366843, 373950	22	28	22	
2358_2357	385812, 393191 to 386770, 392889	128	135	128	
2371_2357	366316, 371780 to 386770, 392889	116	108	115	
2371_2368	366316, 371780 to 360570, 391492	21	21	21	
2375_2123	365914, 371830 to 365862, 371590	191	182	191	
2379_2380	365588, 370990 to 365768, 371050	27	27	26	
2380_2381	365768, 371050 to 366633, 392430	26	26	26	
2381_2399	366633, 392430 to 363915, 391167	192	189	191	
2382_2383	363094, 391714 to 364187, 391958	0	0	0	
2382_2399	363094, 391714 to 363915, 391167	658	671	643	
2383_2380	364187, 391958 to 365768, 371050	0	0	0	
2399_2584	363915, 391167 to 365975, 371090	507	513	494	
2400_2401	369149, 374790 to 362724, 391790	0	0	1	
2401_2402_01	362724, 391790 to 362902, 391813	0	0	1	
2402_2096	362902, 391813 to 369311, 375060	10	10	11	
2403_5018	363154, 391389 to 369800, 383770	49	67	54	
2404_2584	361439, 393063 to 365975, 371090	510	522	501	
2404_2656	361439, 393063 to 366209, 370160	543	554	533	
2405_R	2405_R	11	11	11	
2406_2122	363191, 393246 to 365687, 371650	21	21	21	

Background Information and Data

Air quality

BID AQ-002-0MA02

MA02: Wimboldsley to Lostock Gram

Additional data used in the air quality assessment

Road ID	Start and end coordinates	HDV			Notes
		2025 without the Proposed Scheme	2025 Scenario 2 with the Proposed Scheme	2025 Scenario 3 with the Proposed Scheme	
2406_2405	363191, 393246 to 362011, 393241	21	21	21	
2411_2405	365272, 371570 to 362011, 393241	21	21	21	
2523_2191	366410, 392446 to 369124, 373270	703	1,234	911	
2523_2193	366410, 392446 to 369386, 373810	830	1,280	899	
2532_2232	370092, 375411 to 370584, 375700	720	1,275	945	
2532_3000_01	370092, 375411 to 370105, 375400	12	27	16	
2556_2557	363591, 392405 to 367097, 395832	24	22	24	
2559_2120	367491, 371130 to 368891, 371530	0	115	71	
2559_2584	367491, 371130 to 365975, 371090	9	9	9	
2567_2367	366167, 371870 to 388070, 394326	75	74	75	
2567_2371	366167, 371870 to 366316, 371780	116	108	115	
2594_2182_01	365096, 371060 to 365078, 371090	28	28	28	
2594_2409	365096, 371060 to 365359, 370930	61	60	60	
2656_2657	366209, 370160 to 365955, 369680	116	115	116	
2656_2659_01	366209, 370160 to 366666, 369820	31	30	30	
2657_2658	365955, 369680 to 366456, 369170	81	81	81	
2658_2085	366456, 369170 to 370953, 364297	723	866	771	
2658_2659_01	366456, 369170 to 366666, 369820	492	521	490	
2659_2127	366666, 369820 to 366538, 371250	150	274	211	
2659_2656	366666, 369820 to 366209, 370160	540	567	530	
2659_2658	366666, 369820 to 366456, 369170	650	795	699	
2659_R	2659_R	297	340	311	
2692_2693	366466, 373920 to 366489, 373940	92	93	91	
2693_2694	366489, 373940 to 366557, 374030	71	71	71	
2694_2696_01	366557, 374030 to 369444, 392571	71	71	71	
2694_2709_01	366557, 374030 to 366532, 374060	4	4	0	
2695_2189	369981, 391338 to 366496, 373940	186	189	184	
2695_2694_01	369981, 391338 to 366557, 374030	4	4	1	
2696_2697_01	369444, 392571 to 368697, 393600	125	124	125	
2697_2707_01	368697, 393600 to 366663, 374130	241	275	270	
2698_2695_01	369998, 392057 to 369981, 391338	191	194	185	
2699_2697_01	370000, 392050 to 368697, 393600	117	151	146	
2699_2698_01	370000, 392050 to 369998, 392057	191	194	185	
2700_2699_01	366684, 374048 to 370000, 392050	308	345	330	
2701_2700_01	366698, 374058 to 366684, 374048	155	162	154	

Background Information and Data

Air quality

BID AQ-002-0MA02

MA02: Wimboldsley to Lostock Gram

Additional data used in the air quality assessment

Road ID	Start and end coordinates	HDV			Notes
		2025 without the Proposed Scheme	2025 Scenario 2 with the Proposed Scheme	2025 Scenario 3 with the Proposed Scheme	
2701_2759_01	366698, 374058 to 366701, 374038	58	59	57	
2702_2701_01	366703, 374093 to 366698, 374058	212	221	212	
2703_2702_01	366700, 374107 to 366703, 374093	95	104	95	
2703_2758_01	366700, 374107 to 366733, 374110	83	91	89	
2704_2703_01	380041, 391540 to 366700, 374107	178	196	183	
2705_2704_01	380114, 391594 to 380041, 391540	133	139	137	
2705_2757_01	380114, 391594 to 366717, 374160	85	112	109	
2706_2705_01	380149, 391484 to 380114, 391594	217	251	247	
2707_2706_01	366663, 374130 to 380149, 391484	201	234	229	
2707_2756_01	366663, 374130 to 366655, 374160	41	40	41	
2708_2696_01	366539, 374070 to 369444, 392571	56	55	55	
2709_2712	366532, 374060 to 378816, 392055	4	4	0	
2710_2711	366438, 374200 to 380054, 391494	0	0	0	
2711_2712	380054, 391494 to 378816, 392055	53	53	53	
2711_2716_01	380054, 391494 to 366312, 374100	53	53	53	
2712_2708	378816, 392055 to 366539, 374070	56	55	55	
2712_2713	378816, 392055 to 366346, 374050	6	6	2	
2751_2758	366831, 374150 to 366733, 374110	201	208	204	
2751_2766	366831, 374150 to 367007, 374200	201	208	204	
2756_2706_01	366655, 374160 to 380149, 391484	16	16	16	
2756_2747	366655, 374160 to 366550, 374230	57	56	57	
2757_2704_01	366717, 374160 to 380041, 391540	45	56	46	
2758_2702_01	366733, 374110 to 366703, 374093	118	117	116	
2759_2700_01	366701, 374038 to 366684, 374048	154	183	178	
2759_2750	366701, 374038 to 367347, 387212	213	241	235	
2835_2119	365784, 391920 to 368628, 374750	0	204	83	
2836_2835	364986, 391452 to 365784, 391920	0	204	83	
2837_2836	380382, 392503 to 364986, 391452	229	428	310	
2840_2120	380690, 391927 to 368891, 371530	489	1,526	0	Realignment
2840_3520	380690, 391927 to 368547, 372626	238	754	0	Realignment
2840_R	2840_R	245	737	0	Realignment
2847_2757	382403, 390526 to 366717, 374160	129	169	155	
2873_2375	366027, 371830 to 365914, 371830	106	97	105	
2873_2567	366027, 371830 to 366167, 371870	106	97	105	
3000_3002	370105, 375400 to 373183, 360289	857	1,433	1,088	

Background Information and Data

Air quality

BID AQ-002-0MA02

MA02: Wimboldsley to Lostock Gram

Additional data used in the air quality assessment

Road ID	Start and end coordinates	HDV			Notes
		2025 without the Proposed Scheme	2025 Scenario 2 with the Proposed Scheme	2025 Scenario 3 with the Proposed Scheme	
3001_2124	373178, 360399 to 366027, 371520	744	766	748	
3001_3503_01	373178, 360399 to 365871, 371442	496	497	484	
3002_2099_01	373183, 360289 to 369996, 375320	130	233	170	
3002_2193	373183, 360289 to 369386, 373810	732	1,295	0	Realignment
3003_2123	373284, 360304 to 365862, 371590	200	186	189	
3003_3001_01	373284, 360304 to 373178, 360399	44	42	52	
3003_3500_01	373284, 360304 to 365855, 371466	88	83	89	
3500_3501_01	365855, 371466 to 365865, 371458	791	808	787	
3501_3001	365865, 371458 to 373178, 360399	695	718	692	
3501_3503_01	365865, 371458 to 365871, 371442	95	89	95	
3503_3504_01	365871, 371442 to 365866, 371422	593	588	581	
3504_3505_01	365866, 371422 to 365851, 371398	148	146	146	
3504_3506_01	365866, 371422 to 365843, 371421	445	442	434	
3505_2382	365851, 371398 to 363094, 391714	659	670	644	
3505_3506_01	365851, 371398 to 365843, 371421	510	525	496	
3506_3507_01	365843, 371421 to 365830, 371428	944	957	921	
3507_3508	365830, 371428 to 365803, 371423	380	384	370	
3507_3509_01	365830, 371428 to 365830, 371446	563	572	552	
3508_2182	365803, 371423 to 365078, 371090	380	384	370	
3508_3509_01	365803, 371423 to 365830, 371446	318	317	317	
3509_3510_01	365830, 371446 to 365841, 371463	900	906	884	
3510_3003_01	365841, 371463 to 373284, 360304	200	186	189	
3510_3500_01	365841, 371463 to 365855, 371466	700	721	695	
3515_3525_01	368496, 372726 to 368519, 372736	841	1,294	916	
3515_3526_01	368496, 372726 to 368517, 372759	263	335	320	
3516_3515_01	368496, 372705 to 368496, 372726	1,103	1,535	1,212	
3517_2187	368445, 372683 to 367849, 372640	643	748	678	
3517_3516_01	368445, 372683 to 368496, 372705	676	648	677	
3518_3516_01	368493, 372675 to 368496, 372705	427	896	538	
3518_3517_01	368493, 372675 to 368445, 372683	643	748	678	
3519_3518_01	368521, 372658 to 368493, 372675	1,070	1,643	1,214	
3520_2840	368547, 372626 to 380690, 391927	252	666	0	Realignment
3520_3519_01	368547, 372626 to 368521, 372658	238	739	600	
3521_3519_01	368546, 372663 to 368521, 372658	857	956	643	
3521_3520_01	368546, 372663 to 368547, 372626	252	668	451	

Background Information and Data
 Air quality
 BID AQ-002-0MA02
 MA02: Wimboldsley to Lostock Gram
 Additional data used in the air quality assessment

Road ID	Start and end coordinates	HDV			Notes
		2025 without the Proposed Scheme	2025 Scenario 2 with the Proposed Scheme	2025 Scenario 3 with the Proposed Scheme	
3522_3521_01	368566, 372692 to 368546, 372663	1,111	1,583	1,070	
3523_2183	368592, 372714 to 368782, 372810	849	1,296	899	
3523_3522_01	368592, 372714 to 368566, 372692	981	1,490	911	
3524_3522_01	368552, 372722 to 368566, 372692	148	239	204	
3524_3523_01	368552, 372722 to 368592, 372714	849	1,296	900	
3525_3524_01	368519, 372736 to 368552, 372722	996	1,443	1,081	
3526_3525_01	368517, 372759 to 368519, 372736	156	247	193	
4002_4000	365064, 392737 to 367338, 375221	83	113	110	
4005_2094	364479, 391712 to 368123, 375820	279	255	256	
4005_4002	364479, 391712 to 365064, 392737	92	124	120	
5010_2192	371980, 382880 to 367200, 372100	38	38	38	
5011_2120	371330, 383120 to 368891, 371530	488	1,560	906	
5018_2188	369800, 383770 to 367308, 372200	49	66	54	
2120_90006	368891, 371530 to 368668, 372224	0	0	888	Realignment
3002_90013	373183, 360289 to 369536, 374168	0	0	945	Realignment
3520_90001	368547, 372626 to 372010, 384250	0	0	440	Realignment
90000_90002_01	377330, 383400 to 368654, 372288	0	0	86	Realignment
90001_3520	372010, 384250 to 368547, 372626	0	0	607	Realignment
90001_90002_01	372010, 384250 to 368654, 372288	0	0	440	Realignment
90002_90011_01	368654, 372288 to 368673, 372279	0	0	468	Realignment
90004_90000_01	368623, 372268 to 377330, 383400	0	0	634	Realignment
90005_90004_01	368625, 372246 to 368623, 372268	0	0	633	Realignment
90006_2120_01	368668, 372224 to 368891, 371530	0	0	428	Realignment
90007_90005_01	368653, 372230 to 368625, 372246	0	0	638	Realignment
90008_90007_01	368670, 372238 to 368653, 372230	0	0	178	Realignment
90009_90010_01	368688, 372274 to 368680, 372261	0	0	263	Realignment
90009_90012	368688, 372274 to 369135, 372510	0	0	228	Realignment
90010_90008_01	368680, 372261 to 368670, 372238	0	0	605	Realignment
90011_90009_01	368673, 372279 to 368688, 372274	0	0	122	Realignment
90011_90010_01	368673, 372279 to 368680, 372261	0	0	403	Realignment
90012_2545	369135, 372510 to 367051, 395541	0	0	179	Realignment
90013_2583	369536, 374168 to 369944, 373120	0	0	163	Realignment

Background Information and Data

Air quality

BID AQ-002-0MA02

MA02: Wimboldsley to Lostock Gralam

Additional data used in the air quality assessment

Table 6: Construction traffic flows on the site haul routes

ID	No. 40 tonne ADT	No. 20 tonne HGV	No. 40 tonne ADT (along the route)
MA02/01	0	53	0
MA02/01a	0	114	0
MA02/01a_2	0	120	0
MA02/01a (TN01)	89	179	0
MA02/02	0	126	0
MA02/02a	0	89	0
MA02/02a (TN02)	174	348	0
MA02/03	0	37	0
MA02/04a	0	16	0
MA02/04b	0	32	0
MA02/05	0	53	0
MA02/05a	0	19	0
MA02/05a (TN03)	142	283	0
MA02/06b	0	19	0
MA02/07	0	30	0
MA02/09	0	49	0
MA02/09 (TN04)	111	223	0
MA02/11a	0	11	0
MA02/11a (TN05)	74	148	0
MA02/11b	0	13	0
MA02/11b (TN06)	78	155	0
MA02/12 (TN07)	92	183	0
MA02/13	0	45	0
MA02/14	0	267	0
MA02/14 (TN08)	113	226	0
MA02/CBPA	0	8	0
MA02/CBPB	0	6	0
MA02/CBPC	0	6	0
MA02/GBPD	0	6	0
MA03/01	0	39	0
MA03/01 (TN08a)	129	257	0
ML_256400	0	6	90
ML_256500	0	6	90
ML_256600	0	6	90
ML_256700	0	6	90
ML_256800	0	75	90
ML_256900	0	77	237

Background Information and Data

Air quality

BID AQ-002-0MA02

MA02: Wimboldsley to Lostock Gralam

Additional data used in the air quality assessment

ID	No. 40 tonne ADT	No. 20 tonne HGV	No. 40 tonne ADT (along the route)
ML_257000	0	79	237
ML_257100	0	79	237
ML_257200	0	79	237
ML_257300	0	75	237
ML_257400	0	75	237
ML_257500	0	75	237
ML_257600	0	75	368
ML_257700	0	75	368
ML_257800	0	75	368
ML_257900	0	75	368
ML_258000	0	200	331
ML_258100	0	127	331
ML_258200	0	127	331
ML_258300	0	127	331
ML_258400	0	127	331
ML_258500	0	127	331
ML_258600	0	64	331
ML_258700	0	64	331
ML_258800	0	6	331
ML_258900	0	6	331
ML_259000	0	6	331
ML_259100	0	6	331
ML_259200	0	6	331
ML_259300	0	6	331
ML_259400	0	6	331
ML_259500	0	6	331
ML_259600	0	16	331
ML_259700	0	6	331
ML_259800	0	6	237
ML_259900	0	6	237
ML_260000	0	6	237
ML_260100	0	6	237
ML_260200	0	7	237
ML_260300	0	14	237
ML_260400	0	7	237
ML_260500	0	7	253
ML_260600	0	0	247
ML_260700	0	9	262

Background Information and Data

Air quality

BID AQ-002-0MA02

MA02: Wimboldsley to Lostock Gralam

Additional data used in the air quality assessment

ID	No. 40 tonne ADT	No. 20 tonne HGV	No. 40 tonne ADT (along the route)
ML_260800	0	6	247
ML_260900	0	30	248
ML_261000	0	11	255
ML_261100	0	6	202
ML_261200	0	6	202
ML_261300	0	6	227
ML_261400	0	6	172
ML_261500	0	12	172
ML_261600	0	6	124
ML_261700	0	6	124
ML_261800	0	6	124
ML_261900	0	6	124
ML_262000	0	6	124
ML_262100	0	6	99
ML_262200	0	6	99
ML_262300	0	22	99
ML_262400	0	22	99
ML_262500	0	22	99
ML_262600	0	22	99
ML_262700	0	13	99
ML_262800	0	13	99
ML_262900	0	13	99
ML_263000	0	25	121
ML_263100	0	13	121
ML_263200	0	13	121
ML_263300	0	13	121
ML_263400	0	13	121
ML_263500	0	13	121
ML_263600	0	13	121
ML_263700	0	13	121
ML_263800	0	13	121
ML_263900	0	13	121
ML_264000	0	13	121
ML_264100	0	6	121
ML_264200	0	6	121
ML_264300	0	6	77
ML_264400	0	6	77
ML_264500	0	6	77

Background Information and Data

Air quality

BID AQ-002-0MA02

MA02: Wimboldsley to Lostock Gralam

Additional data used in the air quality assessment

ID	No. 40 tonne ADT	No. 20 tonne HGV	No. 40 tonne ADT (along the route)
ML_264600	0	6	77
ML_264700	0	6	77
ML_264800	0	6	77
ML_264900	0	9	79
ML_265000	0	12	77
ML_265100	0	9	77
ML_265200	0	9	104
ML_265300	0	9	58
ML_265400	0	17	58
ML_265500	0	8	58
ML_265600	0	8	58
ML_265700	0	8	58
ML_265800	0	8	58
ML_265900	0	8	119
ML_266000	0	8	87
ML_266100	0	13	87
ML_266200	0	33	87
ML_266300	0	25	6
ML_266400	0	25	6
ML_266500	0	25	6
ML_266600	0	46	43
ML_266700	0	25	31
ML_266800	0	25	31
ML_266900	0	25	31
ML_267000	0	25	31
ML_267100	0	0	144
ML_267200	0	60	144
ML_267300	0	60	144
ML_267400	0	60	144
ML_267500	0	6	144
ML_267600	0	6	144
ML_267700	0	6	144
ML_267800	0	6	189
ML_267900	0	6	189
ML_268000	0	6	189
ML_268100	0	6	226
ML_268200	0	6	20
ML_268300	0	6	20

Background Information and Data

Air quality

BID AQ-002-0MA02

MA02: Wimboldsley to Lostock Gralam

Additional data used in the air quality assessment

ID	No. 40 tonne ADT	No. 20 tonne HGV	No. 40 tonne ADT (along the route)
ML_268400	0	6	20
ML_268500	0	6	20
ML_268600	0	6	20
ML_268700	0	6	20
ML_268800	0	6	20
ML_268900	0	234	20
ML_269000	0	193	145
ML_269100	0	0	145
ML_269200	0	25	151
ML_269300	0	15	145
ML_269400	0	15	145
ML_269500	0	15	236
ML_269600	0	17	94
ML_269700	0	6	94
ML_269800	0	6	83
ML_269900	0	6	83
ML_270000	0	6	143
ML_270100	0	267	99
ML_270200	0	267	99
ML_270300	0	267	99
ML_270400	0	267	6
ML_270500	0	267	6
ML_270600	0	18	6
ML_270700	0	18	6
ML_270800	0	36	6
ML_270900	0	18	6
ML_271000	0	18	6
ML_271100	0	18	6
ML_271200	0	18	6
ML_271300	0	18	6
ML_271400	0	18	6
ML_271500	0	18	176

Background Information and Data

Air quality

BID AQ-002-0MA02

MA02: Wimboldsley to Lostock Gralam

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 are 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.

Background Information and Data
 Air quality
 BID AQ-002-0MA02
 MA02: Wimboldsley to Lostock Gralam
 Additional data used in the air quality assessment

Table 7: Traffic data used for the operational assesment

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	
1253_1462	Clive Lane	6,740	8,951	2,211	355	353	- 2	
1261_1263	Road One	9,385	9,224	- 161	348	348	0	
1263_1265	Road One	10,366	10,194	- 172	592	590	- 2	
1265_1266	Road One	10,366	10,194	- 172	592	590	- 2	
1265_1266_01	Road One	10,366	10,194	- 172	592	590	- 2	
1266_1194	A54, Middlewich Road	15,134	16,044	910	198	196	- 2	
1266_1194_01	A54, Middlewich Road	15,134	16,044	910	198	196	- 2	
1269_1271	A533, Northwich Road	7,270	7,620	350	204	203	- 1	
1271_90015	A533, Northwich Road	0	7,518	7,518	0	202	202	New Alignment
1273_1271	A533, Northwich Road	7,149	0	- 7,149	204	0	- 204	Road Closed
1273_1271_01	A533, Northwich Road	7,149	0	- 7,149	204	0	- 204	Road Closed
1273_1276	A54, Middlewich Road	9,545	0	- 9,545	436	0	- 436	Road Closed
1274_1273	A54, Chester Road	16,673	0	- 16,673	640	0	- 640	
1274_1289	A54, Chester Road	16,873	16,429	- 444	641	636	- 5	
1274_90012	A54, Chester Road	0	16,230	16,230	0	635	635	New Alignment
1278_1266	A54, Middlewich Road	9,933	9,889	- 44	437	434	- 3	
1278_1266_01	A54, Middlewich Road	9,933	9,889	- 44	437	434	- 3	
1280_1287	Clivegreen Lane	0	8,918	8,918	0	353	353	New Alignment
1280_90040	Clivegreen Lane	0	7,308	7,308	0	353	353	New Alignment
1282_1280	Clivegreen Lane	6,793	0	- 6,793	355	0	- 355	Road Closed

Background Information and Data
 Air quality
 BID AQ-002-0MA02
 MA02: Wimboldsley to Lostock Gramam
 Additional data used in the air quality 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	
1282_1280_01	Clivegreen Lane	6,793	0	- 6,793	355	0	- 355	Road Closed
1283_1282	A530, Nantwich Road	15,281	0	- 15,281	141	0	- 141	Road Closed
1283_90044	A530, Nantwich Road	0	15,833	15,833	0	125	125	
1285_1282	A530, Nantwich Road	19,099	0	- 19,099	468	0	- 468	Road Closed
1285_2064	A530, Nantwich Road	18,320	18,208	- 112	438	422	- 16	Realignment
1285_90048	A530, Nantwich Road	0	18,982	18,982	0	450	450	
1287_1280	Clivegreen Lane	6,707	0	- 6,707	355	0	- 355	Road Closed
1288_1276	A54, Middlewich Road	9,545	0	- 9,545	436	0	- 436	Road Closed
1288_1278	A54, Middlewich Road	9,545	0	- 9,545	436	0	- 436	
1315_1283	A530, Nantwich Road	15,323	15,875	552	158	141	- 17	
1462_1266	Clive Lane	8,140	9,555	1,415	347	346	- 1	
1462_1266_01	Clive Lane	8,140	9,555	1,415	347	346	- 1	
2097_4006_01	A559, Manchester Road	10,628	10,265	- 363	215	225	10	
2098_4006	A559, Manchester Road	10,628	10,265	- 363	215	225	10	
2098_4006_01	A559, Manchester Road	10,628	10,265	- 363	215	225	10	
2117_2121	A530, King Street	14,702	15,540	838	412	416	4	
2117_3526	A530, King Street	15,722	16,406	684	412	417	5	
2120_2545	Crowders Lane	3,522	2,803	- 719	0	0	0	
2120_2545_01	Crowders Lane	3,522	2,803	- 719	0	0	0	
2120_2840_01	A530, King Street	15,110	0	- 15,110	512	0	- 512	

Background Information and Data
 Air quality
 BID AQ-002-0MA02
 MA02: Wimboldsley to Lostock Gralam
 Additional data used in the air quality 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	
2120_90006	A530, King Street Dual Southbound	0	15,783	15,783	0	507	507	
2120_90006_01	A530, King Street	0	7,380	7,380	0	253	253	
2183_2191	A556, Shurlach Road	15,589	14,013	- 1,576	851	719	- 132	Realignment
2183_2545	B5082, Pennys Lane	4,416	0	- 4,416	299	0	- 299	Road Closed
2183_2545_01	B5082, Pennys Lane	4,416	0	- 4,416	299	0	- 299	Road Closed
2183_3523	A556, Shurlach Road	18,524	29,031	10,507	985	1,425	440	
2187_3517	A556, Shurlach Road	17,047	36,412	19,365	684	1,304	620	
2191_2183	A556, Shurlach Road	16,539	15,018	- 1,521	706	706	0	Realignment
2191_2523	A556, Shurlach Road	15,589	14,013	- 1,576	851	719	- 132	Realignment
2193_2099	A556, Shurlach Road	12,802	12,875	73	636	636	0	Realignment
2193_2400	Birches Lane	2,788	3,464	676	214	228	14	Realignment
2193_2400_01	Birches Lane	2,788	3,464	676	214	228	14	Realignment
2193_2523	A556, Shurlach Road	16,538	15,018	- 1,520	706	706	0	Realignment
2193_2583	Birches Lane	4,660	0	- 4,660	29	0	- 29	Road Closed
2193_2583_01	Birches Lane	4,660	0	- 4,660	29	0	- 29	Road Closed
2307_2545	B5082, Holmes Chapel Road	7,938	8,798	860	299	183	- 116	
2307_2583	Birches Lane	4,660	4,660	0	29	173	144	
2307_2583_01	Birches Lane	4,660	4,660	0	29	173	144	
2308_2307	B5082, Holmes Chapel Road	12,436	13,457	1,021	328	357	29	
2523_2191	A556, Shurlach Road	16,538	15,018	- 1,520	706	706	0	Realignment

Background Information and Data
 Air quality
 BID AQ-002-0MA02
 MA02: Wimboldsley to Lostock Gram
 Additional data used in the air quality 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	
2523_2193	A556, Shurlach Road	15,589	14,013	- 1,576	851	719	- 132	Realignment
2840_2120	A530, King Street Dual Southbound	15,110	0	- 15,110	512	0	- 512	
2840_2120_01	A530, King Street Dual Southbound	15,110	0	- 15,110	512	0	- 512	
2840_3520	A530, King Street Dual Northbound	7,151	0	- 7,151	254	0	- 254	
2840_3520_01	A530, King Street Dual Northbound	7,151	0	- 7,151	254	0	- 254	
2840_R	A530, Morrisons Roundabout	7,491	0	- 7,491	256	0	- 256	
3002_2193	A556, Shurlach Road	17,334	0	- 17,334	733	0	- 733	Realignment
3002_90013	A556, Shurlach Road	0	17,065	17,065	0	734	734	Realignment
3515_3525_01	A556, Rudheath Roundabout	18,603	17,729	- 874	863	730	- 133	
3515_3526_01	A530, King Street	6,121	6,166	45	259	263	4	
3516_3515_01	A556, Rudheath Roundabout	24,723	23,895	- 828	1,122	994	- 128	
3517_2187	A556, Shurlach Road	18,924	36,412	17,488	636	1,304	668	
3517_3516_01	A556, Shurlach Road	17,047	17,320	273	684	669	- 15	
3518_3516_01	A556, Rudheath Roundabout	7,691	6,574	- 1,117	439	326	- 113	
3518_3517_01	A556, Shurlach Road	18,924	19,092	168	636	636	0	
3519_3518_01	A556, Rudheath Roundabout	26,615	25,666	- 949	1,075	962	- 113	
3520_2840	A530, King Street Southbound	7,705	0	- 7,705	259	0	- 259	

Background Information and Data
 Air quality
 BID AQ-002-0MA02
 MA02: Wimboldsley to Lostock Gramam
 Additional data used in the air quality 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	
3520_2840_01	A530, King Street Southbound	7,705	0	- 7,705	259	0	- 259	
3520_3519_01	A530, King Street Dual Northbound	7,151	9,618	2,467	254	412	158	
3520_90001	A530, King Street Southbound	0	11,776	11,776	0	274	274	
3521_3519_01	A556, Rudheath Roundabout	20,142	16,767	- 3,375	850	580	- 270	
3521_3520_01	A530, King Street Southbound	7,705	11,776	4,071	259	274	15	
3522_3521_01	A556, Rudheath Roundabout	27,848	28,542	694	1,108	853	- 255	
3523_2183	A556, Shurlach Road	17,992	29,031	11,039	865	1,425	560	
3523_3522_01	A556, Shurlach Road	18,524	15,018	- 3,506	985	706	- 279	
3524_3522_01	A556, Rudheath Roundabout	9,919	13,798	3,879	147	164	17	
3524_3523_01	A556, Shurlach Road	17,992	14,013	- 3,979	865	719	- 146	
3525_3524_01	A556, Rudheath Roundabout	27,911	27,811	- 100	1,013	882	- 131	
3526_3525_01	A530, King Street	9,602	10,239	637	154	154	0	
7047_7046	B5081, Byley Road	8,292	8,397	105	61	64	3	
7047_7046_01	B5081, Byley Road	8,292	8,397	105	61	64	3	
8039_7047	B5081, Middlewich Road	10,048	10,072	24	83	86	3	
8039_7047_01	B5082, Holmes Chapel Road	10,048	10,072	24	83	86	3	
8041_7047	B5082, Holmes Chapel Road	13,540	13,693	153	297	292	- 5	
90000_1278	A54, Middlewich Road	0	9,722	9,722	0	435	435	

Background Information and Data
 Air quality
 BID AQ-002-0MA02
 MA02: Wimboldsley to Lostock Gramam
 Additional data used in the air quality 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	
90000_90002_01	A530, Morrisons Roundabout	0	259	259	0	1	1	
90001_3520	A530, King Street Dual Northbound	0	9,618	9,618	0	412	412	
90001_3520_01	A530, King Street Dual Northbound	0	9,618	9,618	0	412	412	
90001_90000	A54, Middlewich Road	0	9,722	9,722	0	435	435	
90001_90002_01	A530, King Street Southbound	0	11,776	11,776	0	274	274	
90002_90001	A54, Middlewich Road	0	9,722	9,722	0	435	435	Realignment
90002_90003	A54, Middlewich Road	0	9,722	9,722	0	435	435	Realignment
90002_90011	A530, Morrisons Roundabout	0	12,034	12,034	0	276	276	
90003_90030	A54, Middlewich Road	0	9,722	9,722	0	435	435	Realignment
90004_90000_01	A530, Morrisons Roundabout	0	9,877	9,877	0	413	413	
90005_90004_01	A530, Morrisons Roundabout	0	9,506	9,506	0	412	412	
90006_2120_01	A530, King Street Dual Southbound	0	8,402	8,402	0	255	255	
90007_90005_01	A530, Morrisons Roundabout	0	9,798	9,798	0	417	417	
90008_90007_01	A530, Morrisons Roundabout	0	2,419	2,419	0	163	163	

Background Information and Data
 Air quality
 BID AQ-002-0MA02
 MA02: Wimboldsley to Lostock Gralam
 Additional data used in the air quality 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	
90009_90010_01	B5082, Pennys Lane	0	2,389	2,389	0	164	164	Realignment
90009_90012	B5082, Pennys Lane	0	5,996	5,996	0	183	183	Realignment
90010_90008_01	A530, Morrisons Roundabout	0	10,821	10,821	0	418	418	
90011_90009_01	B5082, Pennys Lane	0	3,607	3,607	0	19	19	Realignment
90011_90010_01	A530, Morrisons Roundabout	0	8,428	8,428	0	256	256	
90012_2545	B5082, Pennys Lane	0	5,995	5,995	0	183	183	
90012_90038	A54, Middlewich Road	0	16,230	16,230	0	635	635	Realignment
90013_2583	Birches Lane	0	4,660	4,660	0	173	173	
90013_2583_01	Birches Lane	0	4,660	4,660	0	173	173	
90015_90035	A533, Northwich Road	0	7,518	7,518	0	202	202	Realignment
90030_90031_01	A54, Middlewich Road	0	4,574	4,574	0	186	186	Realignment
90031_90033_01	A54, Middlewich Road roundabout	0	7,455	7,455	0	248	248	Realignment
90032_90030_01	A54, Middlewich Road	0	5,147	5,147	0	248	248	Realignment
90032_90031_01	A54, Middlewich Road roundabout	0	2,880	2,880	0	64	64	Realignment
90033_90034_01	A54, Middlewich Road roundabout	0	4,260	4,260	0	184	184	Realignment
90033_90035_01	A533, Northwich Road	0	3,195	3,195	0	65	65	Realignment
90034_90036_01	A54, Middlewich Road roundabout	0	8,582	8,582	0	324	324	Realignment

Background Information and Data
 Air quality
 BID AQ-002-0MA02
 MA02: Wimboldsley to Lostock Gramam
 Additional data used in the air quality 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	
90035_90034_01	A533, Northwich Road	0	4,323	4,323	0	138	138	Realignment
90036_90037_01	A54, Middlewich Road roundabout	0	189	189	0	0	0	Realignment
90036_90038_01	A54, Middlewich Road	0	8,392	8,392	0	324	324	Realignment
90037_90032_01	A54, Middlewich Road roundabout	0	8,027	8,027	0	311	311	Realignment
90038_90037_01	A54, Middlewich Road	0	7,838	7,838	0	311	311	Realignment
90040_90041_01	Clivegreen Lane	0	3,344	3,344	0	136	136	Realignment
90041_90042_01	Clivegreen Lane Roundabout	0	10,474	10,474	0	182	182	New Roundabout
90042_90043_01	Clivegreen Lane Roundabout	0	2,281	2,281	0	132	132	New Roundabout
90042_90044_01	A530, Nantwich Road	0	8,193	8,193	0	50	50	
90043_90047_01	Clivegreen Lane Roundabout	0	9,921	9,921	0	206	206	New Roundabout
90044_90043_01	A530, Nantwich Road	0	7,640	7,640	0	75	75	
90045_90040_01	Clivegreen Lane	0	3,964	3,964	0	217	217	New Roundabout
90045_90041_01	Clivegreen Lane Roundabout	0	7,132	7,132	0	44	44	New Roundabout
90046_90045_01	Clivegreen Lane Roundabout	0	11,096	11,096	0	262	262	New Roundabout
90047_90046_01	Clivegreen Lane Roundabout	0	1,018	1,018	0	9	9	New Roundabout
90047_90048_01	A530, Nantwich Road	0	8,904	8,904	0	198	198	
90048_90046_01	A530, Nantwich Road	0	10,078	10,078	0	253	253	

Background Information and Data

Air quality

BID AQ-002-0MA02

MA02: Wimboldsley to Lostock Gralam

Additional data used in the air quality assessment

6 References

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