

High Speed Two Phase 2a (West Midlands - Crewe)

Background Information and Data

Air Quality

Traffic data used for the air quality assessment (BID-AQ-002-000)

July 2017



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1 Introduction

- 1.1.1 This document presents the traffic data used in the air quality assessment for the construction and operation of High Speed Two (HS2) High Speed Rail (West Midlands Crewe); it covers the following community areas (CA):
 - CA1: Fradley to Colton;
 - CA2: Colwich to Yarlet;
 - CA3: Stone and Swynnerton;
 - CA4: Whitmore Heath to Madeley; and
 - CA5: South Cheshire.
- 1.1.2 The air quality assessment is detailed in The High Speed Two (HS₂) High Speed Rail (West Midlands Crewe) Environmental Statement (ES)¹.

¹ HS2 Ltd (2017), The High Speed Two (HS2) High Speed Rail (West Midlands - Crewe) Environmental Statement (ES), www.gov.uk/hs2.

2 CA1 Fradley to Colton

2.1 Construction

- Table 1 outlines the traffic flows of construction related vehicles on the highway network. The data presented is split into annual average daily traffic (AADT) and heavy goods vehicles (HGVs) in the without the Proposed Scheme and with the Proposed Scheme scenarios and the change between the two scenarios in the Fradley to Colton area.
- The air quality assessment of construction traffic emissions has used traffic data based on an estimate of the average daily flows at the peak year during the construction period (2020-2026). The assessment assumes vehicle emission rates and background pollutant concentrations from year 2020 as a worst case.
- Table 2 outlines the traffic flows of construction related vehicles on the haul road and at areas of construction activities along the route of the Proposed Scheme in the Fradley to Colton area. The data is split into articulated dump trucks (ADTs) and HGVs on the haul road, and ADTs along the centreline of the route of the Proposed Scheme. The data is presented for the with the Proposed Scheme scenario only.

Table 1: Highway network construction traffic flows in the Fradley to Colton area

Road ID	Road Name	AADT			HGVs		
		2020 without the Proposed Scheme	2020 with the Proposed Scheme	Change	2020 without the Proposed Scheme	2020 with the Proposed Scheme	Change
AQ-001	Common Lane (east of A515 Litchfield Road)	65	65	0	6	6	0
AQ-002	A515 Lichfield Road (between Common Lane and the route of the Proposed Scheme)	5,446	5,938	492	410	701	291
AQ-003	Shaw Lane (between Rugeley Road and the route of the Proposed Scheme)	181	181	0	6	6	0
AQ-004	A513 Rugeley Road (between Shaw Lane and the route of the Proposed Scheme)	6,747	7,683	936	203	644	441
AQ-008	B5014 Uttoxeter Road (between Stoneyford Lane and the route of the Proposed Scheme)	1,677	1,881	203	58	161	104
AQ-010	Hadley Gate Lane (north of Blithbury Road)	29	29	0	0	0	0
AQ-012	Newlands Lane (between Moor Lane and close to Narrow Lane)	109	113	4	9	9	0
AQ-013	Moor Lane (south of West Newlands Lane)	123	123	0	10	10	0
AQ-052	A515 Lichfiled Road (between Crawley Lane and Rugeley Road)	10,877	10,997	120	570	570	0
AQ-053	Pipe Lane (north of Common Lane)	571	703	132	26	45	19
AQ-054	Sherracope Lane (between Uttoxeter Road and Park Lane)	40	44	4	3	3	0
AQ-055	Blithbury Road (between Stoneyford Lane and Blithbury Road)	2,195	2,552	356	57	117	60

Road ID	Road Name	AADT			HGVs			
		2020 without the Proposed Scheme	2020 with the Proposed Scheme	Change	2020 without the Proposed Scheme	2020 with the Proposed Scheme	Change	
AQ-069	A513 Alrewas Bypass from Kings Bromley Road to A38 at Croxall Road (between A38 Rykneld Street and Orgreave Hall Lane)	7,779	7,912	133	512	512	0	
AQ-073	A513 Kings Bromley Lane (between the route of the Proposed Scheme and Uttoxeter Road)	6,948	7,699	751	236	553	317	
AQ-074	B5014 Uttoxeter Road (between Common Lane and School Lane)	3,673	4,080	407	117	324	207	
AQ-075	B5014 Rake End Lane (between School Lane and Stoneyford Lane)	2,371	2,574	203	111	214	104	
AQ-076	Pipe Lane (between Blithbury Road and Pipe Lane/southbound)	189	329	140	2	2	0	
AQ-086	B5013 Colton Road between C0106 Bellamour Way and C0107 Blithbury Road	5,660	5,743	83	272	308	37	
AQ-088	A51 Lichfield Road (between A513 Lichfield Road and Rugeley Eastern Bypass)	21,710	22,957	1,248	1,003	2,028	1,025	
AQ-131	A51 Western Bypass between Abnalls Lane and The Friary	22,312	22,448	136	1,515	1,515	0	
AQ-132	A51 Stafford Road (between Eastern Avenue and Featherbed Lane)	19,386	20,361	974	1,851	2,684	833	
AQ-133	Wood End Lane (between Nanscawen Road and A38 Rykneld Street)	8,235	8,296	61	3,142	3,142	0	
AQ-134	Wood End Lane (between Gorse Lane and Nanscawen Road)	7,553	7,614	61	1,994	1,994	0	

Road ID	Road ID Road Name		AADT			HGVs		
		2020 without the Proposed Scheme	2020 with the Proposed Scheme	Change	2020 without the Proposed Scheme	2020 with the Proposed Scheme	Change	
AQ-135	Wood End Lane (between Gorse Lane and Netherstowe Lane)	6,976	7,037	61	2,386	2,386	0	
AQ-136	A51 Stafford Road between A515 Featherbed Lane and Cleat Hill Lay By	18,926	19,964	1,037	1,876	2,912	1,036	
AQ-137	Wood End Lane (between A515 Litchfield Road and Netherstowe Lane)	6,624	6,685	61	2,127	2,127	0	
AQ-138	A515 Lichfield Road (between Wood End Lane and Common Lane)	6,113	7,130	1,018	533	1,367	834	
AQ-139	B5014 Uttoxeter Road (between Kings Bromley Lane and Common Lane)	3,892	4,225	334	248	370	122	
AQ-140	A51 Brereton Hill (between Brereton Hill Lane and Lea Hall Way)	16,615	17,153	538	1,835	2,372	537	
AQ-141	A51 Lea Hall Way (between Armitage Road and Brereton Hill)	14,829	15,865	1,036	1,646	2,682	1,036	
AQ-142	A51 Lea Hall Way (between Armitage Road and Wheelhouse Road)	18,513	19,553	1,040	1,674	2,711	1,036	
AQ-143	A51 Lea Hall Way (between Wheelhouse Road and Power Station Road)	18,206	19,245	1,040	1,505	2,542	1,036	
AQ-144	Power Station Road between Tannery Close and Riverside	10,648	10,648	0	545	545	0	
AQ-145	B5013 Colton Road (between Rugeley Eastern Bypass and Blithbury Road)	8,334	8,605	271	880	917	37	
AQ-146	Stonyford Lane (between B5014 Uttoxeter Road and Blithbury Road)	765	765	0	46	46	0	

Road ID	Road Name	AADT			HGVs		
		2020 without the Proposed Scheme	2020 with the Proposed Scheme	Change	2020 without the Proposed Scheme	2020 with the Proposed Scheme	Change
AQ-206	A ₃ 8 Rykneld Street (between Burton Road and Rykneld Street/northbound slip)	5,741	6,168	426	580	1,001	421
AQ-207	A ₃ 8 Rykneld Street (between Burton Road and Rykneld Street/northbound slip)	5,519	5,911	392	613	1,004	391
AQ-208	A5127 Trent Valley Road (between Eastern Avenue and Rykneld Street)	12,935	13,753	818	929	1,742	812
AQ-209	A5192 Cappers Lane (between Trent Valley Road and Austin Cote Lane)	16,231	16,440	208	1,423	1,632	208
AQ-210	A5192 Cappers Lane (between Austin Cote Lane and the A38 Rykneld Street)	9,621	9,829	208	1,134	1,342	208
AQ-211	A5192 Eastern Avenue (between Trent Valley Road and Netherstowe Lane)	16,663	17,565	902	1,160	2,057	897
AQ-212	A51 Western Bypass (between Friary Island and Eastern Avenue)	11,587	12,180	593	924	1,512	588
AQ-213	A5192 Eastern Avenue (between Netherstone Lane and Grange Lane)	13,832	14,490	658	1,130	1,782	653
AQ-214	A51 Stafford Road (between Constitution Island and Brereton Hill Lane)	17,198	17,736	538	1,799	2,336	537
AQ-215	Nanseawen Road (south of Wood End Lane)	391	391	0	141	141	0
AQ-216	A51 Rugeley Eastern Bypass (between Colton Road and Lichfield Road)	13,388	14,431	1,043	1,334	2,359	1,025
AQ-230	Crawley Lane (between Ao515 Litchfield Road and Common Lane)	112	112	0	16	16	0

Road ID	Road Name	AADT			HGVs		
		2020 without the Proposed Scheme	2020 with the Proposed Scheme	Change	2020 without the Proposed Scheme	2020 with the Proposed Scheme	Change
AQ-232	Pipe Lane (between D ₃₁₂₃ Common Lane and Chadwick Crescent)	152	152	0	15	15	0
AQ-250	A515 Lichfield Road	9,170	10,145	975	1,300	2,135	834
AQ-257	Wood End Lane	8,797	8,878	80	3,015	3,015	0
AQ-314	A ₃ 8 Rykneld Street (southbound between A ₅ 192 Cappers Lane and A ₅ 206 London Road)	62,117	62,479	363	7,753	8,040	287
AQ-339	A ₃ 8 Lichfield Road (northbound between A ₅ 1 ₃ Croxall Road and B ₅ 016 Station Road)	28,366	29,081	715	4,090	4,805	715
AQ-340	A ₃ 8 Rykneld Street (northbound between A ₅ 127 Burton Road and A ₅ 13 Croxall Road)	56,052	56,506	454	7,870	8,291	421
AQ-341	A ₃ 8 Rykneld Street (southbound within the A ₅ 127 Burton Road /A ₅ 192 Cappers Lane junction)	50,408	50,526	118	8,227	8,305	79
AQ-354	on link A ₃ 8 Swinfen Roundabout (at junction with A ₅ 206 southbound within the A ₅ 13 junction)	25,956	26,928	972	4,371	5,213	842
AQ-355	on link A ₃ 8 Swinfen Roundabout (at junction with A ₅ 206 northbound within the A ₅ 13 junction)	25,327	26,379	1,052	4,109	4,952	842
AQ-361	A5192 Cappers Lane (between A38 Rykneld Street NB and SB slip roads)	7,335	7,571	237	464	691	227
AQ-362	A ₃ 8 Rykneld Street (southbound from A ₅ 192 Cappers Lane)	4,821	4,934	113	357	471	113
AQ-363	A ₃ 8 Rykneld Street (northbound to A ₅ 192 Cappers Lane)	4,588	4,824	237	364	591	227

Road ID	Road Name	AADT			HGVs		
		2020 without the Proposed Scheme	2020 with the Proposed Scheme	Change	2020 without the Proposed Scheme	2020 with the Proposed Scheme	Change
AQ- ₃₇₅	Newlands Lane (between High Street and the route of the Proposed Scheme)	50	54	4	3	3	0
AQ-376	Pipe Lane (between Blithbury Road and Woodhouse Farm)	127	162	34	11	11	0
AQ-379	Pipe Lane (between Quintons Orchard and Dawson Lane)	140	209	70	10	10	0

 $\label{thm:construction} \textbf{Table 2: Haul road and along the route construction traffic flows in the Fradley to Colton area}$

ID	No. 40 tonne ADTs (haul road)	No. 20 tonne HGVs (haul road)	No. 40 tonne ADTs (along the route)
188400	30	1	12
188500	30	1	12
188600	30	9	0
188700	130	9	18
188800	126	9	18
188900	230	9	282
189000	230	9	282
189100	91	9	18
189200	91	9	18
189300	91	9	18
189400	91	9	18
189500	91	9	18
189600	97	12	18
189700	94	12	18
189800	94	12	18
189900	348	12	61
190000	348	12	61
190100	282	12	18
190200	282	12	18
190300	282	17	18
190400	1	4	18
190500	1	4	30
190600	1	13	12
190700	1	13	12
190800	1	13	12
190900	128	42	162
191000	128	42	162
191100	127	42	12
191200	127	42	12

ID	No. 40 tonne ADTs (haul road)	No. 20 tonne HGVs (haul road)	No. 40 tonne ADTs (along the route)
191300	129	43	12
191400	150	122	32
191500	23	79	20
191600	23	79	20
191700	23	79	20
191800	23	74	20
191900	23	74	27
192000	23	74	7
192100	23	74	7
192200	23	74	7
192300	23	74	7
192400	23	74	7
192500	23	74	7
192600	23	74	7
192700	23	74	7
192800	23	74	7
192900	573	74	136
193000	551	0	136
193100	551	0	7
193200	551	0	7
193300	551	0	7
193400	551	0	7
193500	551	0	7
193600	551	0	7
193700	551	0	7
193800	551	0	7
193900	556	1	53
194000	513	1	46
194100	513	3	46
194200	513	3	46

ID	No. 40 tonne ADTs (haul road)	No. 20 tonne HGVs (haul road)	No. 40 tonne ADTs (along the route)
194300	513	3	46
194400	532	6	46
194500	520	6	46
194600	520	6	46
194700	520	6	46
194800	520	6	46
194900	520	6	46
195000	520	6	88
195100	513	19	42
195200	506	19	42
195300	506	19	42
195400	506	19	42
195500	506	21	42
195600	483	21	42
195700	483	21	42
195800	483	21	42
195900	486	21	104
196000	486	22	104
196100	473	22	62
196200	473	24	62
196300	434	28	62
196400	430	28	62
196500	430	28	62
196600	430	30	62
196700	430	30	62
196800	430	32	62
196900	430	32	62
197000	447	65	62
197100	356	65	62
197200	356	65	62

ID	No. 40 tonne ADTs (haul road)	No. 20 tonne HGVs (haul road)	No. 40 tonne ADTs (along the route)
197300	356	65	62
197400	356	65	62
197500	356	65	62
197600	359	67	62
197700	354	67	62
197800	354	67	62
197900	354	67	62
198000	356	68	62
198100	348	96	0
198200	348	96	0
198300	348	96	0
198400	349	103	0
198500	341	108	0
198600	235	108	0
198700	235	117	0
198800	235	117	0
198900	255	117	23
199000	252	118	23
199100	252	126	23
199200	240	130	23
199300	248	132	23
199400	248	132	23
199500	248	132	23
199600	248	132	23
199700	248	132	23
199800	248	132	0
199900	248	132	0
200000	248	132	0
200100	248	132	0
200200	248	132	0

ID	No. 40 tonne ADTs (haul road)	No. 20 tonne HGVs (haul road)	No. 40 tonne ADTs (along the route)
200300	256	160	40
200400	201	160	40
200500	201	160	40
200600	201	160	40
200700	201	160	40
200800	201	160	40
200900	201	172	40
201000	201	172	40
201100	201	172	40
201200	201	172	40
201300	201	172	40
201400	201	172	40
201500	201	172	46
201600	200	181	6
201700	207	181	34
201800	166	181	12
188300	24	0	12

2.2 Operation

Table 3 outlines the traffic flows of vehicles on the highway network relating to the operation of the Proposed Scheme in 2027. The data presented is split into AADT and HGVs in the without the Proposed Scheme and with the Proposed Scheme scenarios and the change between the two scenarios in the Fradley to Colton area. It also notes whether the road will be closed, diverted or realigned due to the Proposed Scheme.

Table 3: Highway network operational traffic flows in the Fradley to Colton area

Road ID	Road Name	AADT			HGVs			Notes
		2027 without the Proposed Scheme	2027 with the Proposed Scheme	Change	2027 without the Proposed Scheme	2027 with the Proposed Scheme	Change	
AQ-014	B5013 Uttoxeter Road (between the route of the Proposed Scheme and Moor Lane)	5,174	5,174	0	230	230	0	Realignment
AQ-012	Newlands Lane (between Moor Lane and close to Narrow Lane)	114	90	-24	9	8	-1	Realignment
AQ-013	Moor Lane (south of West Newlands Lane)	129	129	0	10	10	0	Realignment
AQ-008	B5014 Uttoxeter Road (between Stoneyford Lane and the route of the Proposed Scheme)	1,626	1,626	0	60	60	o	Realignment
AQ-002	A515 Lichfield Road (between Common Lane and the route of the Proposed Scheme)	5,463	5,463	0	426	426	0	Realignment
AQ-005	Dawson Lane (between Pipe Lane and the route of the Proposed Scheme)	23	125	102	0	0	0	Realignment
AQ-009	Blithbury Road (between Uttoxeter Road and the route of the Proposed Scheme)	1,242	1,250	8	42	42	0	Realignment
AQ-010	Hadley Gate Lane (north of Blithbury Road)	30	30	0	0	0	0	Realignment
AQ-011	Newlands Lane (south of East High Street)	47	47	0	3	3	0	Realignment
AQ-138	A515 Lichfield Road (between Wood End Lane and Common Lane)	6,157	6,157	0	554	554	0	

Road ID	Road Name	AADT			HGVs			Notes
		2027 without the Proposed Scheme	2027 with the Proposed Scheme	Change	2027 without the Proposed Scheme	2027 with the Proposed Scheme	Change	
AQ-001	Common Lane (east of Ao515 Litchfield Road)	68	0	-68	6	0	-6	Closure
AQ-085	Bellamour Way (between High Street and Uttoxeter Road)	1,689	1,689	0	52	52	0	
AQ-057	B5013 Uttoxeter Road (between Moor Lane and Bellamour Lane)	5,275	5,275	0	210	210	0	
AQ-235	B5013 Uttoxeter Road (between D3487 Smithy Lane and Steenwood Lake)	5,105	5,105	0	409	409	0	Realignment
AQ-056	High Street (between Newlands Lane and Heathway)	200	200	0	9	9	0	
AQ-054	Sherracope Lane (between Uttoxeter Road and Park Lane)	42	42	0	4	4	0	
AQ-084	Hollow Lane (between High Street and Blithbury Road)	489	489	0	18	18	0	
AQ-078	B5014 Uttoxeter Road (between Blithbury Road and Seedcroft Lane)	2,032	2,032	0	112	112	0	
AQ-076	Pipe Lane (between Blithbury Road and Pipe Lane/southbound)	55	55	0	2	2	0	
AQ-077	Blithbury Road (between Pipe Lane and Dawson Lane)	357	357	0	18	18	0	
AQ-075	B5014 Rake End Lane (between School Lane and Stoneyford Lane)	2,350	2,350	0	115	115	0	
AQ-003	Shaw Lane (between Rugeley Road and the route of the Proposed Scheme)	188	188	0	6	6	0	Realignment

Road ID	Road Name	AADT			HGVs			Notes
		2027 without the Proposed Scheme	2027 with the Proposed Scheme	Change	2027 without the Proposed Scheme	2027 with the Proposed Scheme	Change	
AQ-052	A515 Lichfiled Road (between Crawley Lane and Rugeley Road)	11,170	11,170	0	593	593	0	
AQ-378	Blithbury Road (between Uttoxeter Road and Pipe Lane)	867	867	0	97	97	0	
AQ-055	Blithbury Road (between Stoneyford Lane and Blithbury Road)	2,096	2,096	0	59	59	0	Realignment
AQ-376	Pipe Lane (between Blithbury Road and Woodhouse Farm)	62	62	0	11	11	0	
AQ-379	Pipe Lane (between Quintons Orchard and Dawson Lane)	85	85	0	10	10	0	
AQ-053	Pipe Lane (north of Common Lane)	522	522	0	27	27	0	
AQ-232	Pipe Lane (between Common Lane and Chadwick Crescent)	159	159	0	15	15	0	
AQ-146	Stonyford Lane (between B5014 Uttoxeter Road and Blithbury Road)	798	798	0	48	48	0	Realignment
AQ-230	Crawley Lane (between Ao515 Litchfield Road and Common Lane)	116	116	0	17	17	0	
AQ-006	Pipe Lane (between Dawson Lane and the route of the Proposed Scheme)	433	433	0	21	21	0	
AQ-251	Colton Road	5,952	5,952	0	399	399	0	
AQ-375	Newlands Lane (between High Street and the route of the Proposed Scheme)	52	52	0	4	4	0	Realignment

Road ID	Road Name	AADT			HGVs			Notes
		2027 without the Proposed Scheme	2027 with the Proposed Scheme	Change	2027 without the Proposed Scheme	2027 with the Proposed Scheme	Change	
AQ-004	A513 Rugeley Road (between Shaw Lane and the route of the Proposed Scheme)	6,740	6,740	0	211	211	0	
AQ-087	Blithbury Road (between Hollow Lane and Colton Road)	1,868	1,868	0	88	88	0	

3 CA2 Colwich to Yarlet

3.1 Construction

- 3.1.1 Table 4 outlines the traffic flows of construction related vehicles on the highway network. The data presented is split into AADT and HGVs in the without the Proposed Scheme and with the Proposed Scheme scenarios and the change between the two scenarios in the Colwich to Yarlet area.
- The air quality assessment of construction traffic emissions has used traffic data based on an estimate of the average daily flows at the peak year during the construction period (2020-2026). The assessment assumes vehicle emission rates and background pollutant concentrations from year 2020 as a worst case.
- 3.1.3 Table 5 outlines the traffic flows of construction related vehicles on the haul road and at areas of construction activities along the route of the Proposed Scheme in the Colwich to Yarlet area. The data is split into ADTs and HGVs on the haul road, and ADTs along the centreline of the route of the Proposed Scheme. The data presented is for the with the Proposed Scheme scenario only.

Table 4: Highway network construction traffic flows in the Colwich to Yarlet area

Road ID	Road Name	AADT			HGVs		
		2020 without the Proposed Scheme	2020 with the Proposed Scheme	Change	2020 without the Proposed Scheme	2020 with the Proposed Scheme	Change
AQ-015	Tolldish Lane (east of A51 Litchfield Road)	136	136	0	3	3	0
AQ-016	A51 Lichfield Road (between Tolldish Lane and the route of the Proposed Scheme)	13,982	15,402	1,420	955	1,431	476
AQ-017	Mill Lane (between Hoo Mill Lane and Mill Lane/westbound of Main Road)	4,185	4,568	383	111	111	0
AQ-018	Great Haywood Road (between Ingestre Park Road and Holdiford Road)	4,017	4,369	352	105	130	24
AQ-020	Hoo Mill Lane (between Ingestre Park Road and Hoo Mill Lane/eastbound)	43	43	0	3	3	0
AQ-021	A518 Weston Road (between Within Lane and the route of the Proposed Scheme)	12,446	12,971	526	726	1,127	401
AQ-022	Hopton Lane (east of B5066 Sandon Road)	438	505	67	22	22	0
AQ-023	B5066 Sandon Road (between Hopton Lane and the route of the Proposed Scheme)	5,651	5,652	1	229	229	0
AQ-024	Marston Lane (east of Yarlet Lane)	132	280	148	6	25	19
AQ-025	Yarlet Lane (close to Marston Lane)	103	103	0	6	6	0
AQ-026	A ₃₄ Stone Road (between Yarlet Lane and Stone Road/northbound)	22,687	23,121	433	1,394	1,427	33
AQ-059	Hanyards Lane (east of Tixall Road)	106	227	121	4	23	19
AQ-060	B ₅ o66 Sandon Road (between Beaconside and Hopton Lane)	5,982	6,208	226	249	287	37

Road ID	Road Name	AADT			HGVs		
		2020 without the Proposed Scheme	2020 with the Proposed Scheme	Change	2020 without the Proposed Scheme	2020 with the Proposed Scheme	Change
AQ-061	Within Lane (between B5066 Sandon Road and Wilmore Hill Lane)	2,318	2,318	0	105	105	0
AQ-062	B5066 Sandon Road (between Salt Bank and Within Lane)	6,022	6,024	2	319	319	0
AQ-063	Yarlet Lane (close to Aoo34 Stone Road)	168	168	0	5	5	0
AQ-088	A51 Lichfield Road (between A513 Lichfield Road and Rugeley Eastern Bypass)	21,710	22,957	1,248	1,003	2,028	1,025
AQ-089	Bellamour Lane (between Uttoxeter Road and Main Road)	1,715	2,244	-529	39	39	0
AQ-090	A51 Lichfield Road (between Main Road and Little Tixall Lane)	13,559	14,445	886	902	1,423	521
AQ-091	A51 London Road (between Hoo Mill Lane and New Road)	11,191	12,135	944	978	1,453	476
AQ-093	A518 Weston Bank (between Within Lane and Willowmore Banks)	12,162	13,421	1,259	754	1,870	1,116
AQ-094	Within Lane (between A518 Weston Road and Wilmore Hill Lane)	2,396	2,464	67	64	64	0
AQ-095	A518 Weston Road (between the route of the Proposed Scheme and Blackheath Lane)	15,491	16,609	1,118	1,331	2,138	807
AQ-096	A513 Beaconside (between Dyson Way and Sandon Road)	16,540	17,608	1,069	1,285	2,151	865
AQ-097	A513 Beaconside (between Sandon Road and Marston Lane)	20,008	22,204	2,196	1,203	2,936	1,734
AQ-098	Marston Lane (between Yarlet Lane and A513 Beaconside)	260	409	148	12	31	19
AQ-099	A513 Beaconside (between Marston Lane and Redhill Roundabout)	20,528	21,790	1,262	1,587	2,452	865
AQ-100	A ₃₄ Stone Road (between Redhill Roundabout and Whitgreave Lane)	21,528	22,293	766	1,379	1,795	416

Road ID	Road Name	AADT			HGVs			
		2020 without the Proposed Scheme	2020 with the Proposed Scheme	Change	2020 without the Proposed Scheme	2020 with the Proposed Scheme	Change	
AQ-101	A ₃₄ from M6 roundabout at Creswell (between Redhill Roundabout and Creswell Roundabout at Junction with M6)	19,895	21,482	1,587	2,335	3,328	994	
AQ-148	Main Road (between A551 Litchfield Road and Mill Lane)	4,389	4,740	351	339	339	0	
AQ-149	Mill Lane (between Mill Lane/westbound of Main Road and Main Road)	4,810	5,576	766	183	183	0	
AQ-150	Blackhealth Lane (north of Tixall Road)	12,108	12,539	431	539	582	42	
AQ-151	Tixall Road (between Holdiford Road and Hanyards Lane)	7,504	8,208	704	486	535	49	
AQ-152	Blackheath Lane (south of A518 Weston Road)	12,778	13,209	431	659	701	42	
AQ-153	A518 Weston Road (between Blackheath Lane and Hydrant Way)	20,321	22,509	2,188	1,389	3,118	1,729	
AQ-154	A ₅₁₃ Beaconside (between Weston Road and Dyson Way)	18,178	18,799	621	1,332	1,750	418	
AQ-216	A51 Rugeley Eastern Bypass (between Colton Road and Lichfield Road)	13,388	14,431	1,043	1,334	2,359	1,025	
AQ-217	Whitgreave Lane (between A ₃₄ Stone Road and Green Lane)	734	764	30	74	74	0	
AQ-218	A5013 Creswell Grove (between Creswell Roundabout at Junction with M6 and Eccleshall Road)	11,102	11,409	307	1,505	1,505	0	
AQ-226	Salt Bank (between B5066 Sandon Road and A0518 Weston Bank)	815	815	0	60	60	0	
AQ-227	Main Road (between Lichfield Road and Meadow Lane)	3,089	3,122	33	141	141	0	
AQ-228	Wood End Lane (between A515 Lichfield Road and Nethwerstowe Lane)	1,152	1,152	0	39	39	0	
AQ-229	A51 Main Road (between Bellamour Lane and Main Road)	15,119	16,038	918	1,576	2,097	521	

Road ID	Road Name	AADT			HGVs		
		2020 without the Proposed Scheme	2020 with the Proposed Scheme	Change	2020 without the Proposed Scheme	2020 with the Proposed Scheme	Change
AQ-236	Little Tixall Lane (between Main Road and The Uplands)	1,225	1,225	0	69	69	0
AQ-238	Hopton Lane (between Wilmore Hill Lane and the route of the Proposed Scheme)	340	340	0	19	19	0
AQ-239	Within Lane (between Brick Kiln Lane and Wilmore Hill Lane)	1,557	1,624	67	120	120	0
AQ-240	Hopton Hall Lane (between Within Lane and Wilmore Hill Lane)	150	217	67	32	32	0
AQ-258	A ₅₁₃	19,272	19,892	621	1,288	1,706	418
AQ-259	A51 London Road	15,621	16,642	1,021	842	1,363	521
AQ-260	A51 London Road	14,140	15,084	944	1,061	1,537	476
AQ-261	A51 London Road	18,216	19,040	823	1,303	1,478	175
AQ-273	M6 Junction 14 to Junction 15 (between M6 Junction 14 to Junction 15 off Slip and Yarnfield Lane)	130,639	135,395	4,756	23,437	26,433	2,996
AQ-274	M6 (between M6 Junction 13 to Junction 14 and M6 Junction 12 to Junction 13 on Slip)	137,493	141,582	4,088	22,387	24,025	1,638
AQ-283	A ₃₄ Stone South	26,342	26,903	561	1,654	1,654	0
AQ-285	A ₃₄ Stafford	17,333	17,333	0	727	727	0
AQ-289	A ₅ 18 Stafford	20,944	21,503	560	743	743	0
AQ-290	A5013 Stafford	20,594	20,594	0	626	626	0
AQ-308	A ₅₁₃ Stafford	20,961	21,668	708	1,276	1,694	418
AQ-324	M6 J14 (southbound exit)	4,883	5,495	612	474	842	368

Road ID	Road Name	AADT			HGVs			
		2020 without the Proposed Scheme	2020 with the Proposed Scheme	Change	2020 without the Proposed Scheme	2020 with the Proposed Scheme	Change	
AQ-325	M6 J14 (northbound access)	4,944	5,547	603	520	884	364	
AQ-326	M6 J14 (southbound within junction)	116,794	117,345	552	21,050	21,329	279	
AQ-327	M6 J14 (southbound access)	8,490	8,919	430	835	986	151	
AQ-328	M6 J14 (northbound exit)	9,711	10,155	444	1,457	1,630	173	
AQ-380	Bishton Lane (between Bellamour Lane and A51 Main Road)	1,186	1,735	549	71	71	0	
AQ-381	Bishton Lane (between Bellamour Lane and Bishton Lane Farm)	499	500	0	51	51	0	

 $Table \ 5: Haul \ road \ and \ along \ the \ route \ construction \ traffic \ flows \ in \ the \ Colwich \ to \ Yarlet \ area$

ID	No. 40 tonne ADTs (haul road)	No. 20 tonne HGVs (haul road)	No. 40 tonne ADTs (along the route)
201800	166	181	28
201900	166	181	28
202000	168	184	28
202100	159	184	28
202200	159	184	28
202300	159	184	28
202400	159	184	40
202500	159	184	12
202600	163	199	12
202700	157	208	12
202800	157	208	12
202900	157	208	12
203000	157	208	12
203100	157	208	12
203200	401	210	12
203300	402	219	12
203400	402	219	12
203500	402	219	12
203600	402	219	12
203700	402	219	12
203800	402	219	12
203900	402	219	12
204000	402	219	12
204100	419	219	56
204200	322	219	45
204300	322	219	45
204400	322	219	45
204500	323	223	45
204600	323	223	45
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ID	No. 40 tonne ADTs (haul road)	No. 20 tonne HGVs (haul road)	No. 40 tonne ADTs (along the route)
204700	327	234	45
204900	327	236	45
204800	327	236	45
205000	327	236	45
205100	328	245	45
205200	320	245	45
205300	320	273	49
205400	3	28	5
205500	3	28	5
205600	3	28	5
205700	10	28	5
205800	7	0	5
205900	7	0	5
206000	7	0	5
206100	159	0	49
206200	152	0	44
206300	152	0	44
206400	152	0	44
206500	152	0	44
206600	152	0	44
206700	154	3	44
206800	154	3	44
206900	154	3	44
207000	154	10	44
207100	154	10	44
207200	154	10	68
207300	154	10	24
207400	154	10	24
207500	154	10	24
207600	154	10	24

ID	No. 40 tonne ADTs (haul road)	No. 20 tonne HGVs (haul road)	No. 40 tonne ADTs (along the route)
207700	154	10	24
207800	154	10	24
207900	154	10	24
208000	182	24	24
208100	30	24	24
208200	30	24	24
208300	30	24	24
208400	30	30	24
208500	30	30	24
208600	30	30	24
208700	30	30	24
208800	32	30	27
208900	32	31	3
209000	32	31	3
209100	37	35	3
209200	37	35	3
209300	53	35	3
209400	50	35	1
209500	50	36	1
209600	54	41	1
209700	54	41	1
209800	71	47	35
209900	68	47	34
210000	99	90	34
210100	99	90	34
210200	99	30	34
210300	99	30	34
210400	99	30	34
210500	109	30	34
210600	51	21	34

ID	No. 40 tonne ADTs (haul road)	No. 20 tonne HGVs (haul road)	No. 40 tonne ADTs (along the route)
210700	51	21	34
210800	51	21	34
210900	51	21	34
211000	51	21	34
211100	51	21	34
211200	51	20	34
211300	51	18	59
211400	51	18	26
211500	51	18	26
211600	51	18	26
211700	51	18	26
211800	51	18	26
211900	51	16	26
212000	51	16	26
212100	51	20	26
212200	82	36	49
212300	90	36	26
21200	34	20	26
212500	34	20	26
212600	34	20	26
212700	34	20	26
212800	34	20	26
212900	34	20	26
213000	35	22	26
213100	34	22	26
213200	34	22	26
213300	34	22	26
213400	42	22	26
213500	40	22	0
213600	40	22	0

ID	No. 40 tonne ADTs (haul road)	No. 20 tonne HGVs (haul road)	No. 40 tonne ADTs (along the route)
213700	40	22	0
213800	40	22	0
213900	40	26	0
214000	40	36	0
214100	36	36	0
214200	36	36	0
214300	36	36	0
214400	48	36	41
214500	44	36	41
214600	44	36	41
214700	44	36	41
214800	44	36	41
214900	48	51	41
215000	39	51	41
215100	39	51	41
215200	39	51	41
215300	39	51	41
215400	39	51	41
215500	39	51	41
215600	27	51	0
215700	27	51	0
215800	27	51	0
215900	116	59	0
216000	205	102	0
216100	188	43	0
216200	188	27	0
216300	185	22	0
216400	185	22	0
216500	185	22	0
216600	185	22	0

ID	No. 40 tonne ADTs (haul road)	No. 20 tonne HGVs (haul road)	No. 40 tonne ADTs (along the route)		
216700	185	22	7		

3.2 Operation

Table 6 outlines the traffic flows of vehicles on the highway network relating to the operation of the Proposed Scheme in 2027. The data presented is split into AADT and HGVs in the without the Proposed Scheme and with the Proposed Scheme scenarios and the change between the two scenarios in the Colwich to Yarlet area. It also shows whether the road will be closed, diverted or realigned due to the Proposed Scheme.

Table 6: Highway network operational traffic flows in the Colwich to Yarlet area

Road ID	Road Name	AADT			HGVs			Notes
		2027 without the Proposed Scheme	2027 with the Proposed Scheme	Change	2027 without the Proposed Scheme	2027 with the Proposed Scheme	Change	
AQ-023	B5066 Sandon Road (between Hopton Lane and the route of the Proposed Scheme)	5,822	5,972	150	236	247	11	Realignment
AQ-060	B5066 Sandon Road (between Beaconside and Hopton Lane)	6,163	6,127	-37	257	245	-12	Realignment
AQ-024	Marston Lane (east of Yarlet Lane)	136	136	0	7	7	0	Realignment
AQ-016	A51 Lichfield Road (between Tolldish Lane and the route of the Proposed Scheme)	14,424	14,430	7	985	986	1	
AQ-015	Tolldish Lane (east of A51 Litchfield Road)	141	141	0	3	3	0	Realignment
AQ-148	Main Road (between A51 Litchfield Road and Mill Lane)	4,465	4,465	0	350	350	0	
AQ-090	A51 Lichfield Road (between Main Road and Little Tixall Lane)	13,925	13,932	7	930	931	1	
AQ-017	Mill Lane (between Hoo Mill Lane and Mill Lane/westbound of Main Road)	4,131	4,131	0	115	115	0	
AQ-020	Hoo Mill Lane (between Ingestre Park Road and Hoo Mill Lane/eastbound)	44	44	0	3	3	0	
AQ-018	Great Haywood Road (between Ingestre Park Road and Holdiford Road)	3,957	3,957	0	109	109	0	
AQ-019	Ingestre Park Road (between Hoo Mill Lane and Trent Drive)	1,058	1,058	0	24	24	0	

Road ID	Road Name	AADT			HGVs			Notes
		2027 without the Proposed Scheme	2027 with the Proposed Scheme	Change	2027 without the Proposed Scheme	2027 with the Proposed Scheme	Change	
AQ-095	A518 Weston Road (between the route of the Proposed Scheme and Blackheath Lane)	15,960	15,960	0	1,371	1,371	0	Realignment
AQ-098	Marston Lane (between Yarlet Lane and A513 Beaconside)	269	269	0	12	12	0	
AQ-021	A518 Weston Road (between Within Lane and the route of the Proposed Scheme)	12,823	12,823	0	748	748	0	Realignment
AQ-240	Hopton Hall Lane between Within Lane and Wilmore Hill Lane	154	154	0	33	33	0	
AQ-238	Hopton Lane (between Wilmore Hill Lane and the route of the Proposed Scheme)	350	350	0	19	19	0	
AQ-061	Within Lane (between B5066 Sandon Road and Wilmore Hill Lane)	2,392	2,392	0	108	108	0	
AQ-022	Hopton Lane (east of B5066 Sandon Road)	451	451	0	22	22	0	Realignment
AQ-025	Yarlet Lane (close to Marston Lane)	106	106	0	6	6	0	

4 CA₃ Stone and Swynnerton

4.1 Construction

- 4.1.1 Table 7 outlines the traffic flows of construction related vehicles on the highway network. The data presented is split into AADT and HGVs in the without the Proposed Scheme and with the Proposed Scheme scenarios and the change between the two scenarios in the Stone and Swynnerton area.
- 4.1.2 The air quality assessment of construction traffic emissions has used traffic data based on an estimate of the average daily flows at the peak year during the construction period (2020-2026). The assessment assumes vehicle emission rates and background pollutant concentrations from year 2020 as a worst case.
- 4.1.3 Table 8 outlines the traffic flows of construction related vehicles on the haul road and at areas of construction activities along the route of the Proposed Scheme in the Stone and Swynnerton area. The data is split into ADTs and HGVs on the haul road, and ADTs along the centreline of the route of the Proposed Scheme. The data is presented for the with the Proposed Scheme scenario only.

Table 7: Highway network construction traffic flows in the Stone and Swynnerton area

Road ID	Road Name	AADT			HGVs		
		2020 without the Proposed Scheme	2020 with the Proposed Scheme	Change	2020 without the Proposed Scheme	2020 with the Proposed Scheme	Change
AQ-028	B5026 Eccleshall Road (between Pirehill Lane and the route of the Proposed Scheme)	4,689	5,024	335	319	360	42
AQ-029	Yarnfield Lane (the route of the Proposed Scheme Railway and eastbound of M6 Junction 15 to Junction 14)	4,331	5,189	857	128	344	217
AQ-030	Tittensor Road (between Stab Lane and A51 Stone Road)	2,572	2,767	195	67	97	30
AQ-031	Stab Lane (between Tittensor Road and H the route of the Proposed Scheme)	1,348	1,348	0	62	62	0
AQ-032	A51 Stone Road (between the route of the Proposed Scheme and Tittensor Road)	4,306	4,502	196	249	262	13
AQ-033	A51 Stone Road (between the route of the Proposed Scheme and Newcastle Road)	4,113	4,148	35	232	257	25
AQ-034	Long Lane (between Stone Road and Newcastle Road)	1,208	1,428	220	43	79	36
AQ-035	A519 Newcastle Road (between Stone Road and the route of the Proposed Scheme)	5,154	5,608	454	500	646	146
AQ-037	Bent Lane (between A0051 The Rowe and the route of the Proposed Scheme)	670	1,606	935	19	50	31
AQ-106	A ₃₄ The Fillybrooks (between Trent Road and Newcastle Road)	25,808	26,293	485	1,627	1,629	1
AQ-107	Trent Road (between The Fillybrooks and Newcastle Road)	4,977	4,977	0	139	139	0
AQ-110	Chase Lane (between Winghouse Lane and Stone Road)	1,220	1,220	0	32	32	0

Road ID	Road Name	AADT			HGVs		
		2020 without the Proposed Scheme	2020 with the Proposed Scheme	Change	2020 without the Proposed Scheme	2020 with the Proposed Scheme	Change
AQ-112	Winghouse Lane (between Chase Lane and Stone Road)	2,436	2,436	0	75	75	0
AQ-114	A500 Queensway (between M6 Junction 16 to A500 Hanchurch Roundabout and A34 Stone Road)	44,182	45,933	1,751	6,356	7,163	807
AQ-115	A5182 Trentham Road (between Newcastle Road and A53 Newcastle Road from A5192 Trentham Road to Bent Lane)	7,508	10,417	2,910	697	1,390	693
AQ-116	A519 Newcastle Road (between Long Lane and Drayton Road)	6,349	6,954	605	542	714	172
AQ-117	A519 Newcastle Road (between Station Road and Stone Road)	5,553	5,666	113	507	507	0
AQ-156	A51 Bury Bank (between Winghouse Lane and Stone Road)	4,267	4,314	47	441	451	10
AQ-157	A51 Stone Road (between Winghouse Lane and Tittensor Road)	6,737	6,784	47	575	585	10
AQ-158	A51 Stone Road (between Newcastle Road and Common Lane)	3,498	3,846	348	394	445	51
AQ-164	Hanchurch Lane (between Ao519 Newcastle Road and D2083 Peacock Lane)	485	485	0	28	28	0
AQ-165	A519 Newcastle Road (between Drayton Road and Hanchurch Lane)	6,934	7,519	585	708	880	172
AQ-166	A519 Newcastle Road (between Hanchurch Lane and Whitmore Road)	8,350	8,935	585	480	652	172

Road ID	Road Name	AADT			HGVs		
		2020 without the Proposed Scheme	2020 with the Proposed Scheme	Change	2020 without the Proposed Scheme	2020 with the Proposed Scheme	Change
AQ-167	A519 Newcastle Road (between Whitmore Road and A500 Hanchurch Roundabout at Junction with A519)	15,172	16,817	1,645	1,672	2,165	494
AQ-200	Yarnfield Ln Between Ashdale Park and Stone Dominoes socc	4,158	4,173	15	301	301	0
AQ-204	Yarnfield Lane between Moss Lane and Stone Dominoes Soccer Club	4,168	4,183	15	569	569	0
AQ-205	B5026 Eccleshall Road (between Meece Road and the route of the Proposed Scheme)	4,731	5,324	593	381	422	42
AQ-242	Main Street (between Cooo2 Stab Lane and Rectory)	3,452	3,474	22	268	268	0
AQ-262	A ₃₄ Stone Road	20,642	21,285	643	1,323	1,381	58
AQ-263	A500 Queensway	34,955	37,234	2,279	4,455	5,280	825
AQ-273	M6 Junction 14 to Junction 15 (between M6 Junction 14 to Junction 15 off slip and Yarnfield Lane)	130,639	135,395	4,756	23,437	26,433	2,996
AQ-278	A519 Stoke on Trent	16,718	16,718	0	484	484	0
AQ-283	A ₃₄ Stone South	26,342	26,903	561	1,654	1,654	0
AQ-296	A520 Stoke on Trent	18,431	18,566	135	1,279	1,279	0
AQ-297	A ₅₂₀ Stoke on Trent	14,952	15,033	82	583	583	0
AQ-298	A50 Stoke on Trent	76,700	77,148	449	7,645	7,866	221
AQ-315	A500 Queensway (southbound between A52 and A50)	90,691	91,020	328	8,476	8,732	256

Road ID	Road Name	AADT			HGVs		
		2020 without the Proposed Scheme	2020 with the Proposed Scheme	Change	2020 without the Proposed Scheme	2020 with the Proposed Scheme	Change
AQ-316	A50 (eastbound between A500 Queensway and A5007 Uttoxeter Road)	78,996	80,346	1,349	7,672	7,997	325
AQ-321	M6 Junction 15 (southbound exit)	7,351	7,988	637	1,300	1,595	294
AQ-322	M6 Junction 15 (northbound access)	7,791	9,102	1,311	1,399	1,694	294
AQ-323	M6 Junction 15 (southbound within junction)	102,438	103,377	939	23,046	23,528	483
AQ-347	A50 Uttoxeter Road (westbound within the A520 Weston Road junction)	60,678	61,023	344	7,272	7,3 ⁸ 9	116
AQ-348	A50 Uttoxeter Road (westbound exit for A520 Weston Road)	5,866	5,907	41	711	711	0
AQ-349	A50 Uttoxeter Road (eastbound exit for A520 Weston Road)	9,654	9,711	57	916	916	0
AQ-351	A500 Queensway (northbound within the A50 junction)	35,019	35,190	171	2,940	3,068	128
AQ-367	Yarnfield Lane (southbound south from Emergency Access road to/from M6)	4,175	4,575	400	147	547	400
AQ-369	Yarnfield Lane (southbound across M6 between north and south Emergency Access Roads	4,241	4,450	209	172	332	159

 $\label{thm:construction} Table~8: Haul~road~and~along~the~route~construction~traffic~flows~in~the~Stone~and~Swynnerton~area$

ID	No. 40 tonne ADTs (haul road)	No. 20 tonne HGVs (haul road)	No. 40 tonne ADTs (along the route)
216700	185	22	7
216800	184	21	7
216900	184	21	7
217000	184	21	7
217100	258	15	7
217200	173	9	7
217300	173	9	7
217400	173	9	7
217500	177	9	55
217600	9	9	47
217700	9	9	47
217800	9	9	47
217900	9	9	47
218000	0	6	47
218100	0	6	47
218200	0	6	47
218300	0	6	47
218400	0	6	104
218500	7	6	57
218600	7	0	57
218700	7	0	57
218800	7	0	57
218900	7	0	57
219000	7	0	57
219100	7	0	57
219200	7	0	57
219300	13	0	57
219400	334	14	57
219500	334	14	57

ID	No. 40 tonne ADTs (haul road)	No. 20 tonne HGVs (haul road)	No. 40 tonne ADTs (along the route)
219600	334	14	57
219700	340	14	57
219800	340	14	57
219900	340	14	57
220000	340	18	57
220100	345	18	57
220200	490	43	69
220300	490	43	69
220400	422	43	70
220500	427	47	13
220600	427	47	14
220700	427	47	14
220800	485	47	0
220900	490	70	0
221000	484	70	0
221100	494	70	0
221200	486	70	0
221300	486	70	0
221400	490	84	0
221500	694	126	99
221600	698	162	99
221700	318	35	0
221800	318	35	0
221900	321	35	0
222000	335	35	0
222100	335	35	0
222200	300	33	25
222300	300	33	25
222400	300	33	25
222500	282	30	25

ID	No. 40 tonne ADTs (haul road)	No. 20 tonne HGVs (haul road)	No. 40 tonne ADTs (along the route)
222600	282	30	27
222700	279	30	3
222800	394	9	108
222900	315	6	105
223000	315	6	105
223100	315	6	105
223200	315	6	105
223300	313	0	105
223400	313	0	105
223500	316	0	105
223600	316	3	105
223700	317	3	106
223800	317	3	0
223900	326	5	0
224000	331	5	68
224100	331	5	68
224200	323	11	67
224300	323	11	67
224400	323	11	67
224500	333	13	67
224600	333	13	67
224700	332	16	67
224800	331	16	67
224900	332	16	67
225000	332	16	68
225100	330	16	68
225200	330	16	1
225300	334	22	1
225400	331	22	1
225500	331	22	1

ID	No. 40 tonne ADTs (haul road)	No. 20 tonne HGVs (haul road)	No. 40 tonne ADTs (along the route)
225600	331	23	1
225700	331	34	1
225800	331	34	1
225900	331	34	1
226000	452	40	1
226100	190	40	1
226200	184	119	1
226300	184	79	1
226400	184	79	1
226500	178	78	1
226600	178	78	1
226700	178	78	1
226800	178	78	1
226900	178	78	1
227000	178	78	9
227100	137	78	8
227200	133	71	8
227300	133	71	8
227400	133	71	8
227500	148	71	8
227600	137	62	8
227700	137	62	8
227800	137	62	8
227900	137	61	8
228000	130	59	16
228100	130	59	8
228200	130	59	8
228300	130	59	8
228400	130	59	8
228500	125	56	8

ID	No. 40 tonne ADTs (haul road)	No. 20 tonne HGVs (haul road)	No. 40 tonne ADTs (along the route)
228600	125	56	8
228700	132	56	8
228800	128	51	8
228900	128	51	8
229000	129	51	8
229100	121	45	8
229200	121	45	8
229300	121	45	22
229400	117	45	14
229500	121	45	20
229600	77	41	14
229700	124	41	14
229800	115	37	14
229900	115	37	14
230000	115	24	20
230100	99	24	7
230200	100	19	32
Railhead	290	0	7

4.2 Operation

Table 9 outlines the traffic flows of vehicles on the highway network relating to the operation of the Proposed Scheme in 2027. The data presented is split into AADT and HGVs in the without the Proposed Scheme and with the Proposed Scheme scenarios and the change between the two scenarios in the Stone and Swynnerton area. It also notes whether the road will be closed, diverted or realigned due to the Proposed Scheme.

Table 9: Highway network operational traffic flows in the Stone and Swynnerton area

Road ID	Road Name	AADT			HGVs	Notes		
		2027 without the Proposed Scheme	2027 with the Proposed Scheme	Change	2027 without the Proposed Scheme	2027 with the Proposed Scheme	Change	
AQ-036	Dog Lane (between Aoo51 The Rowe and the route of the Proposed Scheme)	428	2,597	2170	10	11	1	Realignment
AQ-037	Bent Lane (between Aoo51 The Rowe and the route of the Proposed Scheme)	694	694	0	19	19	0	Realignment
AQ-032	A ₅ 1 Stone Road (between the route of the Proposed Scheme and Tittensor Road)	4,458	5,787	1329	258	312	54	Realignment
AQ-031	Stab Lane (between Tittensor Road and the route of the Proposed Scheme)	1,395	0	-1396	65	0	-65	Closure
AQ-030	Tittensor Road (between Stab Lane and A51 Stone Road)	2,663	3,968	1305	69	92	23	Realignment
AQ-033	A ₅ 1 Stone Road (between the route of the Proposed Scheme and Newcastle Road)	4,258	5,440	1182	241	273	32	Realignment
AQ-035	A519 Newcastle Road (between Stone Road and the route of the Proposed Scheme)	5,336	11,342	6007	517	878	361	Overbridge
AQ-034	Long Lane (between Stone Road and Newcastle Road)	1,250	0	-1250	45	0	-45	Closure
AQ-200	Yarnfield Lane (between Ashdale Park and Stone Dominoes Soccer Club)	4,287	4,287	0	311	311	0	
AQ-204	Yarnfield Lane (between Moss Lane and Stone Dominoes Soccer Club)	4,298	4,298	0	587	587	0	

Road ID	Road Name	AADT			HGVs	Notes		
		2027 without the Proposed Scheme	2027 with the Proposed Scheme	Change	2027 without the Proposed Scheme	2027 with the Proposed Scheme	Change	
AQ-029	Yarnfield Lane (the route of the Proposed Scheme and eastbound of M6 Junction 15 to Junction 14)	4,484	4,596	113	132	140	8	Realignment
AQ-367	Yarnfield Lane (southbound south from Emergency Access road to/from M6)	4,322	4,322	0	152	152	0	Realignment
AQ-160	A51 Through Stableford (between Stableford Bank and Coombsdale)	3,638	3,644	6	380	380	0	
AQ-244	A51 The Rowe (between Bent Lane and Stableford Bank)	3,733	3,739	6	478	478	0	
AQ-028	B5026 Eccleshall Road (between Pirehill Lane and the route of the Proposed Scheme)	4,827	4,827	0	328	328	0	Realignment
AQ-243	Drayton Road (between A0051 The Rowe and A519 Newcastle Road)	528	528	0	27	27	0	Realignment
AQ-118	A51 The Rowe (between Common Lane and Dog Lane)	3,894	3,899	5	244	244	0	
AQ-117	A519 Newcastle Road (between Station Road and Stone Road)	5,725	5,725	0	523	523	0	
AQ-158	A51 Stone Road (between Newcastle Road and Common Lane)	3,621	3,627	6	408	409	0	
AQ-242	Main Street (between Stab Lane and Rectory)	3,573	3,573	0	278	278	0	
AQ-205	B5026 Eccleshall Road (between Meece Road and the route of the Proposed Scheme)	4,878	4,878	0	393	393	0	Realignment

Road ID	Road Name	AADT			HGVs	Notes		
		2027 without the Proposed Scheme	2027 with the Proposed Scheme	Change	2027 without the Proposed Scheme	2027 with the Proposed Scheme	Change	
AQ-116	A519 Newcastle Road (between Long Lane and Drayton Road)	6,573	6,573	0	561	561	0	
AQ-245	Stableford Bank (between Stableford Court Chorlton Green)	274	274	0	20	20	0	
AQ-369	Yarnfield Lane (southbound across M6 between north and south Emergency Access Roads)	4,390	4,590	200	179	190	12	Realignment
AQ-273	M6 Junction 14 to Junction 15 (between M6 Junction 14 to Junction 15 off slip and Yarnfield Lane)	133,395	133,880	485	23,160	23,190	30	Realignment
AQ-6157	A51 Stone Road (between Winghouse Lane and Tittensor Road)	6,975	6,980	5	595	595	0	

5 CA4 Whitmore Heath to Madeley

5.1 Construction

- Table 10 outlines the traffic flows of construction related vehicles on the highway network. The data presented is split into AADT and HGVs in the without the Proposed Scheme and with the Proposed Scheme scenarios and the change between the two scenarios in the Whitmore Heath to Madeley area.
- The air quality assessment of construction traffic emissions has used traffic data based on an estimate of the average daily flows at the peak year during the construction period (2020-2026). The assessment assumes vehicle emission rates and background pollutant concentrations from year 2020 as a worst case.
- Table 11 outlines the traffic flows of construction related vehicles on the haul road and at areas of construction activities along the route of the Proposed Scheme in the Whitmore Heath to Madeley area. The data is split into ADTs and HGVs on the haul road, and ADTs along the centreline of the route of the Proposed Scheme. The data is presented for the with the Proposed Scheme scenario only.

Table 10: Highway network construction traffic flows in the Whitmore Heath to Madeley area

Road ID	Road Name	AADT			HGVs		
		2020 without the Proposed Scheme	2020 with the Proposed Scheme	Change	2020 without the Proposed Scheme	2020 with the Proposed Scheme	Change
AQ-037	Bent Lane (between A51 The Rowe and the route of the Proposed Scheme)	670	1,606	935	19	50	31
AQ-038	A53 Newcastle Road (between the route of the Proposed Scheme and Common Lane)	13,475	14,162	687	836	1,138	302
AQ-039	Heath Road (between Common Lane and the route of the Proposed Scheme)	68	68	0	2	2	0
AQ-040	Heath Road (between Common Lane and the route of the Proposed Scheme)	26	224	198	1	28	28
AQ-042	A525 Bar Hill lane (between Red Lane and the route of the Proposed Scheme)	3,201	4,049	847	103	282	179
AQ-043	Bower End Lane (between Moss Lane and the route of the Proposed Scheme)	77	88	11	9	9	0
AQ-115	A5182 Trentham Road (between Newcastle Road and A53 Newcastle Road From A5192 Trentham Road to Bent Lane)	7,508	10,417	2,910	697	1,390	693
AQ-119	A53 Newcastle Road from A5192 Trentham Road to Bent Lane (between Trentham Road and Bent Lane)	14,035	14,981	947	861	1,207	346
AQ-120	A53 Newcastle Road (between Holly Bush Lane and Nantwich Road)	10,869	11,383	514	796	1,109	313
AQ-121	Holly Bush Lane (between Newcastle Road and Madeley Road)	1,501	1,965	464	51	103	52
AQ-162	A51 Stone Road (between Road from A51 Stone Road to Clayalders Bank and Nantwich Road)	3,783	3,871	88	418	444	26

Road ID	Road Name	AADT HGVs					
		2020 without the Proposed Scheme	2020 with the Proposed Scheme	Change	2020 without the Proposed Scheme	2020 with the Proposed Scheme	Change
AQ-163	A51 Nantwich Road (between Newcastle Road and Maerway Lane)	4,791	5,235	444	382	68 ₇	305
AQ-168	A51 At Willoughbridge (between Maerway Lane and B5026 London Road)	4,193	4,636	444	325	630	305
AQ-169	A51 London Road (between B5026 London Road and Newcastle Road)	7,077	7,520	444	450	756	305
AQ-170	A525 Newcastle Road (between Gravenhunger Moss and London Road)	2,713	3,073	360	360	654	294
AQ-171	A51 London Road (between A525 Newcastle Road and Yew Tree Lane)	5,837	6,000	163	375	447	73
AQ-219	A531 Crewe Road (between Bowsey Wood Road and Newcastle Road)	4,274	4,688	414	261	261	0
AQ-220	A525 Newcastle Road (between New Road and Crewe Road)	6,453	6,675	221	448	448	0
AQ-224	Three Mile Lane (between A53 Newcastle Road and Lymes Road)	1,253	1,253	0	123	123	0
AQ-246	A53 Newcastle Road (between Common Lane and Madeley Road)	13,067	13,680	612	1,417	1,730	313
AQ-264	A ₅₃ Newcastle Road	14,240	14,852	612	950	1,263	313
AQ-265	A ₅₃ Newcastle Road	9,905	10,319	414	794	1,107	313
AQ-266	A51 Lichfield Road	14,499	15,222	723	750	1,249	499
AQ-267	Madeley Road	1,693	1,928	235	137	137	0
AQ-268	Common Lane	365	564	198	19	46	28

Road ID	Road Name	AADT	AADT			HGVs			
		2020 without the Proposed Scheme	2020 with the Proposed Scheme	Change	2020 without the Proposed Scheme	2020 with the Proposed Scheme	Change		
AQ-272	M6 Junction 15 to Junction 16 (at Cheshire boundary)	114,732	117,218	2,486	22,050	23,233	1,183		
AQ-278	A519 Stoke on Trent	16,718	16,718	0	484	484	0		
AQ-279	A525 Madeley	4,345	4,705	360	162	457	294		
AQ-309	A531 Madeley	11,518	11,932	414	231	231	0		
AQ-321	M6 Junction 15 (southbound exit)	7,351	7,988	637	1,300	1,595	294		
AQ-323	M6 Junction 15 (southbound within junction)	102,438	103,377	939	23,046	23,528	483		

Table 11: Haul road and along the route construction traffic flows in the Whitmore Heath to Madeley area

ID	No. 40 tonne ADTs (haul road)	No. 20 tonne HGVs (haul road)	No. 40 tonne ADTs (along the route)
230200	100	19	32
230300	87	12	25
230400	87	2	25
230500	87	2	25
230600	83	0	25
230700	83	0	33
230800	83	0	33
230900	90	14	7
231000	92	14	44
231100	109	16	36
231200	109	16	45
231300	109	16	45
231400	106	16	9
231500	206	18	9
231600	206	18	9
231700_ADT	206	0	9
231800_ADT	273	0	9
231900_ALL	241	26	0
232000	241	26	0
232100	249	26	0
232200	298	166	0
232300	298	141	0
232400	298	141	0
232500	298	64	0
232600	298	64	0
232700	298	64	0
232800	298	64	0
232900	298	64	0
233000	298	64	16

ID	No. 40 tonne ADTs (haul road)	No. 20 tonne HGVs (haul road)	No. 40 tonne ADTs (along the route)
233100	298	62	16
233200	298	62	16
233300	319	62	16
233400	310	43	16
233500	319	43	16
233600	351	39	16
233700	176	38	0
233800	176	38	0
233900	178	41	0
234000	178	41	0
234100	177	38	0
234200	177	38	0
234300a	177	38	0
234400a	177	38	0
234500a	177	38	20
234600a	177	38	20
234700a	177	38	20
234800a	179	38	20
234900a	163	3	20
235000	163	3	20
235100	163	3	20
235200	216	3	84
235300	214	3	64
235400	315	3	282
235500	315	3	282
235600	134	3	64
235700	140	7	64
235800	140	7	64
235900	144	20	70
236000	140	20	64

ID	No. 40 tonne ADTs (haul road)	No. 20 tonne HGVs (haul road)	No. 40 tonne ADTs (along the route)
236100	140	20	90
236200	140	20	26
236300	140	20	26
236400	140	20	26
236500	141	27	26
236600	146	37	26
236700	129	37	26
236800	130	45	26
A ₅ 26_HGV	0	175	26
237000	0	0	26
237100	136	130	35
237200	136	130	8
237300	136	126	8
237400	136	126	8
237500	136	126	8
237600	273	126	8
237700	213	76	8
237800	213	76	8
237900	213	76	8
238000	213	76	8
238100	215	76	36
238200	90	76	27
238300	90	76	27
238400	90	76	27
238500	90	76	27
238600	90	76	27
238700	90	76	27
238800	79	76	27
238900	79	76	27
239000	79	76	27

ID	No. 40 tonne ADTs (haul road)	No. 20 tonne HGVs (haul road)	No. 40 tonne ADTs (along the route)
239100	75	76	27
239200	75	76	27
239300	75	76	31
A53_HGV2	0	26	32
234900b	163	3	25
A ₅₃ _HGV ₁	0	22	25
234800b	179	38	25
234700b	177	38	25
234600b	177	38	33
234500b	177	38	33
234400b	177	38	7
234300b	177	38	44
A ₅₂ 6_ADT	144	0	36

5.2 Operation

Table 12 outlines the traffic flows of vehicles on the highway network relating to the operation of the Proposed Scheme in 2027. The data presented is split into AADT and HGVs in the without the Proposed Scheme and with the Proposed Scheme scenarios and the change between the two scenarios in the Whitmore Heath to Madeley area. It also notes whether the road will be closed, diverted or realigned due to the Proposed Scheme.

Table 12: Highway network operational traffic flows in the Whitmore Heath to Madeley area

Road ID	Road Name	AADT			HGVs			Notes
		2027 without the Proposed Scheme	2027 with the Proposed Scheme	Change	2027 without the Proposed Scheme	2027 with the Proposed Scheme	Change	
AQ-042	A525 Bar Hill lane (between Red Lane and the route of the Proposed Scheme)	3,296	3,296	0	106	106	0	Realignment
AQ-041	Manor Road (between Bar Hill and the route of the Proposed Scheme y)	1,212	1,212	0	39	39	0	Realignment
AQ-246	A ₅₃ Newcastle Road (between Common Lane and Madeley Road)	13,398	13,398	0	1,453	1,453	0	
AQ-039	Heath Road (between Common Lane and the route of the Proposed Scheme)	69	69	0	2	2	0	
AQ-172	A525 Bar Hill Lane (between Red Lane and Manor Road)	3,399	3,399	0	258	258	0	
AQ-279	A ₅₂₅ Madeley	4,473	4,473	0	167	167	0	Realignment
AQ-173	Red Lane (south of A525 Bar Hill)	15	15	0	9	9	0	
AQ-247	Moss Lane (between Bar Hill and Bower End Lane)	379	379	0	56	56	0	
AQ-038	A ₅₃ Newcastle Road (between the route of the Proposed Scheme and Common Lane)	13,817	13,817	0	858	858	0	Realignment
AQ-268	Common Lane	375	375	0	19	19	0	
AQ-249	A525 Woore Road between Izaac Walton Way and Vicarage Lane	4,378	4,378	0	385	385	0	
AQ-264	A ₅₃ Newcastle Road	14,602	14,602	0	974	974	0	

Road ID	Road Name	AADT			HGVs	Notes		
		2027 without the Proposed Scheme	2027 with the Proposed Scheme	Change	2027 without the Proposed Scheme	2027 with the Proposed Scheme	Change	
AQ-121	Holly Bush Lane (between Newcastle Road and Madeley Road)	1,539	1,539	0	52	52	0	Realignment
AQ-040	Heath Road (between Common Lane and the route of the Proposed Scheme)	26	0	-26	1	0	-1	
AQ-119	A53 Newcastle Road from A5192 Trentham Road to Bent Lane (between Trentham Road and Bent Lane)	14,391	14,391	0	883	883	0	

6 CA5 South Cheshire

6.1 Construction

- 6.1.1 Table 13 outlines the traffic flows of construction related vehicles on the highway network. The data presented is split into AADT and HGVs in the without the Proposed Scheme and with the Proposed Scheme scenarios and the change between the two scenarios in the South Cheshire area.
- The air quality assessment of construction traffic emissions has used traffic data based on an estimate of the average daily flows at the peak year during the construction period (2020-2026). The assessment assumes vehicle emission rates and background pollutant concentrations from year 2020 as a worst case.
- 6.1.3 Table 14 outlines the traffic flows of construction related vehicles on the haul road and at areas of construction activities along the route of the Proposed Scheme in the South Cheshire area. The data is split into ADTs and HGVs on the haul road, and ADTs along the centreline of the route of the Proposed Scheme. The data is presented for the with the Proposed Scheme scenario only.

Table 13: Highway network construction traffic flows in the South Cheshire area

Road ID	Road Name	AADT			HGVs		
		2020 without the Proposed Scheme	2020 with the Proposed Scheme	Change	2020 without the Proposed Scheme	2020 with the Proposed Scheme	Change
AQ-044	Checkley Lane (between the route of the Proposed Scheme and A531 Main Road)	1,041	1,282	-241	34	34	0
AQ-045	Den Lane (between Mill Lane and Den Lane)	179	1,555	-1,376	68	78	10
AQ-046	Chorlton Lane (between the route of the Proposed Scheme and Waybutt Lane)	70	70	0	3	3	0
AQ-047	Newcastle Road (between Chorlton Lane and East Railway)	8,329	8,717	-387	337	379	42
AQ-048	Casey lane (between Back lane and the route of the Proposed Scheme)	819	836	-17	6	19	13
AQ-049	Weston Lane (between Casey Lane and Larch Avenue)	1,388	1,399	-11	16	21	5
AQ-050	A500 Shavington ByPass (between A500 Crewe Green Link Roundabout and the route of the Proposed Scheme)	33,364	35,295	-1,931	1,659	2,807	1,148
AQ-064	Chorlton Lane (between Waybutt Lane and Newcastle Road)	262	271	-9	9	14	5
AQ-066	Waybutt Lane (south of Chorlton Lane)	25	25	0	2	2	0
AQ-068	B5071 Crewe Road (between Weston Lane and Link Road)	12,259	12,411	-152	173	173	0
AQ-122	Checkley Lane (between A51 London Road and the route of the Proposed Scheme)	994	1,411	-417	45	131	86
AQ-125	Waybutt Lane (west of Ao531 Newcastle Road)	111	111	0	2	2	0

Road ID	Road Name	AADT			HGVs		
		2020 without the Proposed Scheme	2020 with the Proposed Scheme	Change	2020 without the Proposed Scheme	2020 with the Proposed Scheme	Change
AQ-126	A531 Newcastle Road (between Balterley Green Road and Weston Roundabout)	9,818	10,482	-664	316	316	0
AQ-127	A531 Newcastle Road (between A531 Weston Roundabout and A500 Meremoor Roundabout)	4,077	4,729	-652	64	107	43
AQ-128	A500 Shavington ByPass (between A500 Crewe Green Link Roundabout and A500 Meremoor Roundabout)	26,888	28,166	-1,278	1,332	2,098	765
AQ-129	A500 Newcastle Road (between M6 and A500 Meremoor Roundabout)	35,449	37,117	-1,668	2,625	3,390	765
AQ-130	A500 Shavington ByPass (between A500 Shavington ByPass Roundabout and Rope Lane)	27,830	27,875	-45	1,573	1,619	45
AQ-171	A51 London Road (between A525 Newcastle Road and Yew Tree Lane)	5, ⁸ 37	6,000	-163	375	447	73
AQ-175	Mill Lane (between Den Lane and Beech Farm)	164	164	0	10	10	0
AQ-176	Wrinehill Road (north of Mill Lane)	168	445	-277	29	39	10
AQ-223	A531 Main Road (between Waybutt Lane Checkley Lane)	6,307	7,498	-1,192	417	417	0
AQ-231	Turnocks Lane halfway from Checkley Lane	116	116	0	18	18	0
AQ-269	Newcastle Road	6,648	7,140	-493	251	294	43
AQ-271	M6 (between M6 Junction 16 at Cheshire boundary to Junction 15 and B5078 Radway Green Road)	133,123	138,971	-5,848	25,725	26,516	792
AQ-309	A531 Madeley	11,518	11,932	-414	231	231	0

Road ID	Road Name	AADT			HGVs		
		2020 without the Proposed Scheme	2020 with the Proposed Scheme	Change	2020 without the Proposed Scheme	2020 with the Proposed Scheme	Change
AQ-389	M6 Junction 16 (northbound access)	12,756	13,162	-406	2,925	2,979	54
AQ-390	M6 J16 (southbound exit)	14,756	15,271	-515	3,078	3,133	54
AQ-437	A500 Newcastle Road (between Barthomley Road and Radway Green Road)	32,292	32,292	0	2,289	2,289	0
AQ-438	B5078 Radway Green Road (between Radway Green Road and M6 Junction 16 to Junction 17)	12,588	12,588	0	281	281	0
AQ-439	A500 Newcastle Road (between Radway Green Road and M6 Junction 16 to Junction 17)	32,845	32,845	0	2,318	2,318	0
AQ-514	Weston Lane (between Holly Mount and Larch Farm)	2,114	2,114	0	20	20	0
AQ-518	Main Road (between Whites Lane and A5020 Weston Road)	12,455	12,461	-6	163	163	0
AQ-519	Casey Lane (between Back Lane and Newcastle Road)	2,116	2,279	-163	92	100	8
AQ-527	A5020 Weston Road (between A5020 Weston Road Roundabout and A500 Meremoor Roundabout)	6,190	6,204	-14	910	924	14
AQ-533	B5071 Crewe Road (between B5071 Link Road and Hunter Avenue/northbound)	6,830	6,886	-56	144	144	0
AQ-534	B5071 Link Road (between B5071 Crewe Road and A500 Shavington ByPass Roundabout)	5,901	5,956	-56	110	110	0

Table 14: Haul road and along the route construction traffic flows in the South Cheshire area

ID	No. 40 tonne ADTs (Haul Road)	No. 20 tonne HGVs (Haul Road)	No. 40 tonne ADTs (along the route)
239300	75	76	31
239400	115	76	15
239500	115	70	15
239600	68	70	11
239700	68	63	11
239800	64	62	35
239900	64	58	35
240000	67	58	27
240100	95	51	24
240200	217	51	110
240300	205	51	110
240400	205	51	110
240500	205	51	110
240600	205	51	110
240700	205	51	110
240800	205	51	110
240900	738	50	425
241000	738	50	425
241100	474	50	110
241200	474	52	110
241300	474	52	110
241400	482	46	110
241500	482	46	110
241600	482	46	110
241700	482	46	110
241800	482	46	110
241900	482	46	110
242000	498	52	135
242100	485	52	135

ID	No. 40 tonne ADTs (Haul Road)	No. 20 tonne HGVs (Haul Road)	No. 40 tonne ADTs (along the route)
242200	485	29	135
242300	485	29	135
242400	484	10	135
242500	589	10	175
242600	482	10	89
242700	396	9	89
242800	396	9	89
242900	404	26	89
243000	385	29	89
243100	385	29	89
243200	385	29	89
243300	387	37	89
243400	385	49	89
243500	385	49	89
243600	385	74	49
243700	382	74	49
243800	430	74	64
243900	415	76	39
244000	415	76	39
244100	415	101	39
244200	415	101	39
244300	415	101	39
244400	415	104	39
244500	415	104	39
244600	418	126	39
244700	416	127	39
244800	421	133	39
244900	379	133	39
245000	379	133	39
245200	379	133	39

ID	No. 40 tonne ADTs (Haul Road)	No. 20 tonne HGVs (Haul Road)	No. 40 tonne ADTs (along the route)
245100	379	133	39
245300	379	133	40
245400	379	139	32
245500	379	139	8
245600	427	185	8
245700	379	195	8
245800	333	210	8
245900	97	14	1
246000	97	14	1
246100	97	14	1
246200	0	0	1
246300	0	0	1
246400	0	0	0
246500	0	0	0
246600	0	0	0
246700	0	0	0
246800	0	0	0
246900	0	0	0
247000	0	0	0
247100	0	0	0
247200	0	0	0
247300	0	0	0
247400	0	0	0
247500	0	0	0
247600	0	0	0
247700	0	0	0
247800	0	0	0
247900	0	0	0
248000	0	0	0
248100	0	0	0

ID	No. 40 tonne ADTs (Haul Road)	No. 20 tonne HGVs (Haul Road)	No. 40 tonne ADTs (along the route)
248200	0	0	0
248300	0	0	0
248400	0	0	0
248500	0	0	0
248600	0	0	0
248700	0	0	0
248800	0	0	0
248900	0	0	0
249000	0	0	0

6.2 Operation

Table 15 outlines the traffic flows of vehicles on the highway network relating to the operation of the Proposed Scheme in 2027. The data presented is split into AADT and HGVs in the without the Proposed Scheme and with the Proposed Scheme scenarios and the change between the two scenarios in the South Cheshire area. It also notes whether the road will be closed, diverted or realigned due to the Proposed Scheme.

Table 15: Haul road and along the route construction traffic flows in the South Cheshire area

Road ID	Road Name	AADT	AADT		HGVs			Notes
		2027 without the Proposed Scheme	2027 with the Proposed Scheme	Change	2027 without the Proposed Scheme	2027 with the Proposed Scheme	Change	
AQ-045	Den Lane (between Mill Lane and Den Lane)	109	109	0	46	46	0	Realignment
AQ-064	Chorlton Lane (between Waybutt Lane and Newcastle Road)	269	269	0	9	9	0	Realignment
AQ-047	Newcastle Road (between Chorlton Lane and East Railway)	6,897	7,197	300	312	369	57	Realignment
AQ-048	Casey lane (between Back lane and the route of the Proposed Scheme)	617	617	0	18	18	0	Realignment
AQ-509	Weston Lane (between B5071 Crewe Road and Park Estate)	4,000	4,000	0	112	112	0	
AQ-510	Weston Lane (between Park Estate and Back Lane)	3,247	3,247	0	102	102	0	
AQ-512	Back Lane (between Weston Lane and Holly Mount)	¹ ,534	1,534	0	83	83	0	
AQ-511	Weston Lane (between Back Lane and Holly Mount)	1,713	1,713	0	20	20	0	
AQ-513	Holly Mount (between Weston Lane and Back Lane)	41	41	0	0	0	0	
AQ-515	Back Lane (between Holly Mount and Casey Lane)	1,575	1,575	0	83	83	0	
AQ-426	Newcastle Road (between Haymoor Green Road and A51 Roundabout A500 Cheerbrook)	6,373	6,373	0	429	429	0	

Road ID	Road Name	AADT		HGVs			Notes	
		2027 without the Proposed Scheme	2027 with the Proposed Scheme	Change	2027 without the Proposed Scheme	2027 with the Proposed Scheme	Change	
AQ-514	Weston Lane (between Holly Mount and Larch Farm)	1,754	1,754	0	20	20	0	
AQ-518	Main Road (between Whites Lane and A5020 Weston Road)	11,768	11,786	18	180	180	0	
AQ-516	Weston Road (between Whites Lane and Cemetery Road)	10,088	10,105	18	151	151	0	
AQ-507	Main Road (between Snape Lane and Cemetery Road)	8,746	8,763	18	144	144	0	
AQ-508	Main Road (between Snape Lane and A531 Weston Roundabout)	10,216	10,234	18	152	152	0	
AQ-175	Mill Lane (between Den Lane and Beech Farm)	169	169	0	10	10	0	
AQ-177	Middle section of Wrinehill Road	106	106	0	22	22	0	
AQ-127	A531 Newcastle Road (between A531 Weston Roundabout and A500 Meremoor Roundabout)	4,373	4,373	0	60	60	0	
AQ-126	A531 Newcastle Road (between Balterley Green Road and Weston Roundabout)	9,288	9,288	0	300	300	0	
AQ-125	Waybutt Lane (west of Ao531 Newcastle Road)	115	115	0	2	2	0	
AQ-046	Chorlton Lane (between the route of the Proposed Scheme and Waybutt Lane)	72	72	0	4	4	0	
AQ-223	A531 Main Road (between Waybutt Lane Checkley Lane)	6,493	6,493	0	429	429	0	

Road ID	Road Name	AADT			HGVs			Notes
		2027 without the Proposed Scheme	2027 with the Proposed Scheme	Change	2027 without the Proposed Scheme	2027 with the Proposed Scheme	Change	
AQ-222	B5071 Crewe Road (between Weston Lane and Newcastle Road)	6,196	6,196	0	405	405	0	
AQ-065	Weston Lane (between Casey Lane and Cemetery Rd)	1,703	1,703	0	37	37	0	
AQ-049	Weston Lane (between Casey Lane and Larch Avenue)	1,121	1,121	0	16	16	0	
AQ-122	Checkley Lane (between A51 London Road and the route of the Proposed Scheme)	1,022	1,022	0	46	46	0	Realignment
AQ-044	Checkley Lane (between the route of the Proposed Scheme and Ao531 Main Road)	1,072	1,072	0	35	35	0	Realignment
AQ-176	Wrinehill Road (north of Mill Lane)	102	102	0	19	19	0	
AQ-269	Newcastle Road	6,796	6,796	0	257	257	0	Realignment
AQ-066	Waybutt Lane (south of Chorlton Lane)	26	26	0	2	2	0	Realignment
AQ-068	B5071 Crewe Road (between Weston Lane and Link Road)	11,771	11,771	0	168	168	0	Realignment

7 References

HS₂ Ltd (2017), *High Speed Two (HS₂) High Speed Rail (West Midlands - Crewe) Environmental Statement (ES)*. Available online at: www.gov.uk/hs2.

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