

# A1 in Northumberland: Morpeth to Ellingham

**Scheme Number: TR010041**

## **6.7 Environmental Statement – Appendix 12.2 Driver Stress Analysis**

### **Part A**

APFP Regulation 5(2)(a)

Planning Act 2008

Infrastructure Planning (Applications: Prescribed  
Forms and Procedure) Regulations 2009

June 2020

Infrastructure Planning

Planning Act 2008

**The Infrastructure Planning  
(Applications: Prescribed Forms and  
Procedure) Regulations 2009**

**The A1 in Northumberland: Morpeth to Ellingham  
Development Consent Order 20[xx]**

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**Environmental Statement - Appendix**

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<b>Regulation Reference:</b>	APFP Regulation 5(2)(a)
<b>Planning Inspectorate Scheme Reference</b>	TR010041
<b>Application Document Reference</b>	TR010041/APP/6.7
<b>Author:</b>	A1 in Northumberland: Morpeth to Ellingham Project Team, Highways England

<b>Version</b>	<b>Date</b>	<b>Status of Version</b>
Rev 0	June 2020	Application Issue

## APPENDIX 12.2 DRIVER STRESS ANALYSIS

### Base Year (2015)

LINK ID	ROAD SECTION	AVERAGE AM PEAK HOURLY FLOW / LANE	AM PEAK AVERAGE SPEED (KMPH)	AM PEAK DRIVER STRESS	AVERAGE PM PEAK HOURLY FLOW / LANE	PM PEAK AVERAGE SPEED (KMPH)	PM PEAK DRIVER STRESS
1941-1951	1	756.90925	111.28	Moderate	754.5512	111.03	Moderate
1951_1985	1	756.9092	74.11	Moderate	754.6	70.2	Moderate
1985-1951	1	827.42332	72.09	High	690.1422	75.11	High
1985-1990	1	797.21226	64.19	Moderate	815.484	59.27	High
1990-1985	1	860.33437	67.39	High	726.8538	67.61	Moderate
1990-2059	1	772.0542	73.66	Moderate	749.0605	70.28	Moderate
2059-1990	1	851.00858	71.27	High	689.5782	75.12	Moderate
2059-2061	1	783.34795	73.22	Moderate	761.4445	69.72	Moderate
2061-2059	1	867.24732	70.63	High	696.8595	74.78	Moderate
2061-27047	1	782.96644	73.23	Moderate	762.8708	69.65	Moderate
27047-2061	1	864.88972	70.71	High	699.2294	74.61	Moderate
2076-27047	1	838.38192	71.61	High	712.5288	73.42	Moderate
27047-2076	1	770.98853	73.57	Moderate	749.8391	70.02	Moderate
2076-2099	1	766.95072	73.89	Moderate	738.9087	70.82	Moderate
20999-2076	1	824.29652	72.32	High	718.7212	73.78	Moderate
2107-2100	1	761.75269	75.12	Moderate	675.4175	75.79	Moderate
2100-2107	1	751.97377	74.56	Moderate	754.2649	70.17	Moderate
2107 2040	1	747.0473	74.63	Moderate	729.3817	71.23	Moderate
2040 2107	1	755.63769	75.36	Moderate	672.2911	75.93	Moderate
2040 1943	1	731.30574	75.32	Moderate	718.6009	71.87	Moderate

LINK ID	ROAD SECTION	AVERAGE AM PEAK HOURLY FLOW / LANE	AM PEAK AVERAGE SPEED (KMPH)	AM PEAK DRIVER STRESS	AVERAGE PM PEAK HOURLY FLOW / LANE	PM PEAK AVERAGE SPEED (KMPH)	PM PEAK DRIVER STRESS
1943 2040	1	744.69687	75.72	Moderate	659.8919	76.62	Moderate
1841 1937	1	782.31731	74.34	Moderate	692.498	74.84	Moderate
1937 1841	1	759.42859	74.33	Moderate	742.767	70.76	Moderate
1841 27045	1	760.50311	82.29	Moderate	743.4022	79.62	Moderate
27045 1841	1	782.43603	82.3	Moderate	695.2367	82.45	Moderate
1807 27045	1	743.73079	83.19	Moderate	641.4099	83.84	Moderate
27045 1807	1	751.45499	82.56	Moderate	721.3109	80.42	Moderate
1802 27043	1	734.12886	83.11	Moderate	659.4168	82.94	Moderate
27043 1802	1	711.14095	84.27	Moderate	622.7755	84.87	Moderate
1829 27043	1	711.14095	84.36	Moderate	622.7755	85.08	Moderate
27043 1829	1	734.12886	83.11	Moderate	659.4168	82.94	Moderate
1829 1855	1	734.12886	111.35	Moderate	659.4249	111.34	Moderate
1985-1858	2	32.911041	74.58	Low	36.7	74.1	Low
1858-1985	2	40.290898	73.41	Low	60.9	72.6	Low
1990-2185	3	105.49775	81.76	Low	101.4	81.7	Low
2185-1990	3	89.659905	71.43	Low	72.20605	73.09	Low
2344-2059	4	14.924935	74.53	Low	15.09173	74.56	Low
2059-2344	4	19.862738	81.98	Low	9.980118	81.96	Low
1725 2061	5	4.2750851	76.81	Low	2.711716	77.69	Low
2061-1725	5	2.3011569	79.32	Low	3.665283	79.22	Low
2313-2076	6	26.179217	59.89	Moderate	9.421596	59.17	Moderate

LINK ID	ROAD SECTION	AVERAGE AM PEAK HOURLY FLOW / LANE	AM PEAK AVERAGE SPEED (KMPH)	AM PEAK DRIVER STRESS	AVERAGE PM PEAK HOURLY FLOW / LANE	PM PEAK AVERAGE SPEED (KMPH)	PM PEAK DRIVER STRESS
2076-2313	6	16.133095	63.98	Moderate	26.55651	63.94	Moderate
2117-2353	7	48.506956	81.95	Low	88.79395	81.77	Low
2353-2117	7	96.075366	81.77	Low	147.4661	81.37	Low
2353 2451	7	51.519425	77.89	Low	91.98754	77.4	Low
2451 2353	7	102.40148	81.74	Low	153.6569	81.31	Low
2107 1662	8	4.913046	80.75	Low	24.89123	80.73	Low
1662 2107	8	6.1150009	79.12	Low	3.134139	78.97	Low
2417-2040	9	12.445923	79.65	Low	12.96993	79.67	Low
2040-2417	9	17.251787	80.25	Low	11.35045	80.24	Low
1662 1933	10	29.63551	81.98	Low	24.73674	81.98	Low
1933-1662	10	39.117832	81.97	Low	33.18127	81.96	Low
1662-1640	10	44.036818	70.17	Low	58.07156	69.67	Low
1640-1662	10	35.739987	80.07	Low	27.87596	80.68	Low
1659-1841	11	2.1978329	78.13	Low	3.710667	77.32	Low
1841-1659	11	1.248793	82	Low	5.819258	82	Low
1659-1802	12	71.779106	78.96	Low	19.74629	78.69	Low
1802-1659	12	12.001447	80.08	Low	26.97086	80.06	Low
1821-1970	13	89.099694	81.65	Low	81.64255	81.62	Low
1970-1821	13	44.586636	81.95	Low	45.61579	81.93	Low
27042 2018	14	64.335662	85.23	Low	57.44669	85.14	Low
2018 27042	14	62.266167	87.96	Low	49.25522	87.96	Low

**Do Minimum 2023 and 2038**

LINK ID	ROAD SECTION	2023 DO MINIMUM						2038 DO MINIMUM					
		AVERAGE AM PEAK HOURLY FLOW / LANE	AM PEAK AVERAGE SPEED (KMPH)	AM PEAK DRIVER STRESS	AVERAGE PM PEAK HOURLY FLOW / LANE	PM PEAK AVERAGE SPEED (KMPH)	PM PEAK DRIVER STRESS	AVERAGE AM PEAK HOURLY FLOW / LANE	AM PEAK AVERAGE SPEED (KMPH)	AM PEAK DRIVER STRESS	AVERAGE PM PEAK HOURLY FLOW / LANE	PM PEAK AVERAGE SPEED (KMPH)	PM PEAK DRIVER STRESS
1941-1951	1	854.8509	111.04	High	814.2303	110.81	High	1022.5	110.49	High	918.8808	110.38	High
1951_1985	1	854.8509	70.25	High	814.2303	67.15	High	1022.5	63.39	High	918.8808	62.18	High
1985-1951	1	888.188	69.52	High	762.6583	71.62	High	935.347	67.24	High	918.6869	64.5	High
1985-1990	1	888.7459	62.27	High	871.25	55.86	High	1050.079	57.26	High	986.7416	49.9	High
1990-1985	1	896.1055	68.36	High	779.9359	67.95	High	942.9675	66.11	High	936.7845	61.33	High
1990-2059	1	874.8006	69.56	High	785.4063	68.33	High	1042.07	62.75	High	875.9653	63.97	High
2059-1990	1	902.6983	68.95	High	775.7671	71	High	930.1692	67.44	High	911.475	64.81	High
2061 2059	1	908.3372	68.7	High	781.4392	70.73	High	936.2502	67.17	High	917.7492	64.52	High
2059 2061	1	887.8909	69.04	High	800.3566	67.64	High	1055.671	62.24	High	890.9387	63.3	High
2061-27047	1	887.3319	69.06	High	802.896	67.53	High	1054.931	62.26	High	893.3741	63.19	High
27047-2061	1	908.0364	68.7	High	784.0889	70.56	High	936.1247	67.16	High	920.463	64.36	High
2076-27047	1	879.6387	69.71	High	792.7335	69.7	High	906.6379	68.21	High	928.1138	63.61	High
27047-2076	1	873.2293	69.49	High	786.3148	68.21	High	1039.871	62.85	High	876.5855	63.98	High
2076-2099	1	867.98	69.85	High	785.0859	68.41	High	1043.81	62.7	High	881.7347	63.75	High
2099-2076	1	872.3922	70.12	High	797.5982	69.98	High	910.8921	68.17	High	939.7384	63.53	High
2107-2100	1	816.1525	72.68	High	759.3396	71.75	High	861.6449	70.49	High	904.8753	65.1	High

2023 DO MINIMUM

2038 DO MINIMUM

LINK ID	ROAD SECTION	2023 DO MINIMUM			2023 DO MINIMUM			2038 DO MINIMUM			2038 DO MINIMUM		
		AVERAGE AM PEAK HOURLY FLOW / LANE	AM PEAK AVERAGE SPEED (KMPH)	AM PEAK DRIVER STRESS	AVERAGE PM PEAK HOURLY FLOW / LANE	PM PEAK AVERAGE SPEED (KMPH)	PM PEAK DRIVER STRESS	AVERAGE AM PEAK HOURLY FLOW / LANE	AM PEAK AVERAGE SPEED (KMPH)	AM PEAK DRIVER STRESS	AVERAGE PM PEAK HOURLY FLOW / LANE	PM PEAK AVERAGE SPEED (KMPH)	PM PEAK DRIVER STRESS
2100-2107	1	854.323	70.5	High	804.1575	67.6	High	1028.275	63.42	High	902.8997	62.88	High
2107 2040	1	848.8547	70.59	High	785.9427	68.37	High	1020.927	63.62	High	882.0925	63.75	High
2040 2107	1	809.9305	72.93	High	755.255	71.94	High	854.8328	70.76	High	900.0801	65.32	High
1841 1937	1	832.4015	72.06	High	764.7873	71.32	High	854.5706	70.78	High	895.4523	65.67	High
1937 1841	1	857.0908	70.46	High	799.4558	67.86	High	1007.542	64.27	High	879.8784	63.95	High
1841 27045	1	857.2995	79.41	High	793.2259	77.62	High	1007.646	74.49	High	874.0278	74.44	High
27045 1841	1	832.2027	80.63	High	768.4288	79.81	High	854.3605	79.65	High	900.1037	75.35	High
1807 27045	1	794.3311	81.53	Moderate	715.2168	81.26	Moderate	816.1076	80.56	High	844.7832	76.9	High
27045 1807	1	848.1562	79.7	High	772.9373	78.38	High	998.3436	74.8	High	855.6997	75.15	High
1802 27043	1	834.0606	80.27	High	709.2224	81.16	High	1019.565	74.3	High	811.3145	77.39	High
27043 1802	1	764.3432	82.61	Moderate	710.3869	81.83	Moderate	814.9505	80.57	High	866.8402	76.04	High
1829 27043	1	764.3432	82.74	Moderate	710.3869	82.19	Moderate	814.9505	80.99	High	866.8402	76.68	High
27043 1829	1	834.0606	80.27	High	709.2224	81.16	High	1019.565	74.3	High	811.3145	77.39	High

2023 DO MINIMUM

2038 DO MINIMUM

LINK ID	ROAD SECTION	2023 DO MINIMUM			2023 DO MINIMUM			2038 DO MINIMUM			2038 DO MINIMUM		
		AVERAGE AM PEAK HOURLY FLOW / LANE	AM PEAK AVERAGE SPEED (KMPH)	AM PEAK DRIVER STRESS	AVERAGE PM PEAK HOURLY FLOW / LANE	PM PEAK AVERAGE SPEED (KMPH)	PM PEAK DRIVER STRESS	AVERAGE AM PEAK HOURLY FLOW / LANE	AM PEAK AVERAGE SPEED (KMPH)	AM PEAK DRIVER STRESS	AVERAGE PM PEAK HOURLY FLOW / LANE	PM PEAK AVERAGE SPEED (KMPH)	PM PEAK DRIVER STRESS
1829 1855	1	834.0606	111.13	High	709.2371	111.2	High	1019.575	110.55	High	811.3145	110.87	High
1985-1858	2	7.919492	74.48	Low	17.26896	74.1	Low	7.611454	73.87	Low	18.09377	73.59	Low
1858-1985	2	33.89536	72.87	Low	57.03386	72.14	Low	27.58148	71.66	Low	67.87742	70.97	Low
1990-2185	3	93.0938	81.81	Low	116.3445	81.57	Low	90.79146	81.82	Low	143.2016	81.35	Low
2185-1990	3	72.55548	69.57	Moderate	34.67164	71.95	Low	95.56823	67.97	Moderate	57.72615	70.84	Moderate
2344-2059	4	13.08922	73.59	Low	14.94715	73.67	Low	13.60113	71.99	Low	14.96721	71.64	Low
2059-2344	4	5.638912	81.93	Low	5.672593	81.98	Low	6.0837	81.98	Low	6.274386	82	Low
1725 2061	5	1.67209	76.54	Low	3.419823	77.81	Low	1.331975	75.46	Low	3.284794	77.22	Low
2061-1725	5	1.92	79.26	Low	3.53	79.16	Low	1.94	79.07	Low	3.54492	78.97	Low
2313-2076	6	17.21617	59.48	Moderate	10.48967	58.84	Moderate	4.329604	56.68	Moderate	5.159854	55.75	Moderate
2076-2313	6	15.23373	63.98	Moderate	16.58299	63.97	Moderate	4.648018	64	Moderate	11.64464	63.99	Moderate
2117-2353	7	47.56117	81.95	Low	85.64213	81.78	Low	52.94932	81.94	Low	88.92971	81.77	Low
2353-2117	7	90.14507	81.8	Low	143.0068	81.41	Low	86.67612	81.81	Low	144.992	81.39	Low
2353 2451	7	50.43533	77.78	Low	89.0472	77.31	Low	55.93319	77.52	Low	92.78952	77.06	Low
2451 2353	7	95.75079	81.77	Low	148.6063	81.36	Low	92.4901	81.78	Low	153.0915	81.32	Low
2107 1662	8	5.464043	80.75	Low	18.22439	80.74	Low	7.354032	80.76	Low	20.80933	80.76	Low
1662 2107	8	6.222127	78.74	Low	4.074921	78.53	Low	6.812072	78.04	Low	4.794919	77.52	Low
2417-2040	9	13.95995	79.56	Low	16.32457	79.51	Low	15.29387	79.43	Low	15.66589	79.01	Low
2040-2417	9	20.69737	80.2	Low	9.561733	80.23	Low	17.32923	80.11	Low	8.692989	80.19	Low



2023 DO MINIMUM

2038 DO MINIMUM

LINK ID	ROAD SECTION	2023 DO MINIMUM			2023 DO MINIMUM			2038 DO MINIMUM			2038 DO MINIMUM		
		AVERAGE AM PEAK HOURLY FLOW / LANE	AM PEAK AVERAGE SPEED (KMPH)	AM PEAK DRIVER STRESS	AVERAGE PM PEAK HOURLY FLOW / LANE	PM PEAK AVERAGE SPEED (KMPH)	PM PEAK DRIVER STRESS	AVERAGE AM PEAK HOURLY FLOW / LANE	AM PEAK AVERAGE SPEED (KMPH)	AM PEAK DRIVER STRESS	AVERAGE PM PEAK HOURLY FLOW / LANE	PM PEAK AVERAGE SPEED (KMPH)	PM PEAK DRIVER STRESS
1662-1933	10	28.93246	81.98	Low	23.05474	81.99	Low	3.932139	82	Low	6.024714	82	Low
1933-1662	10	36.43184	81.97	Low	25.85774	81.97	Low	15.04044	82	Low	10.56865	82	Low
1662-1640	10	41.89566	69.95	Moderate	44.09585	69.49	Moderate	22.38481	69.28	Moderate	31.37798	68.83	Moderate
1640-1662	10	35.16453	80.01	Low	27.12966	80.3	Low	10.74419	75.43	Low	10.80966	77.3	Low
1659-1841	11	1.933883	77.5	Low	2.928312	76.87	Low	1.592574	76.63	Low	1.952765	76.25	Low
1841-1659	11	1.516757	82	Low	12.80392	82	Low	1.285921	82	Low	12.46474	82	Low
1659-1802	12	20.0666	80.08	Low	46.65724	80.01	Low	51.02068	80.04	Low	80.33809	79.86	Low
1802-1659	12	79.40403	78.75	Low	20.20397	78.45	Low	118.9768	78.16	Low	40.1933	78.26	Low
1821-1970	13	93.49767	81.6	Low	83.94879	81.53	Low	97.75891	81.54	Low	84.63452	81.44	Low
1970-1821	13	50.04977	81.93	Low	51.50843	81.9	Low	52.19729	81.93	Low	58.36036	81.88	Low
27042-2018	14	62.14385	85.14	Low	60.99467	85.04	Low	63.42214	84.97	Low	69.42635	84.87	Low
2018-27042	14	66.9007	87.95	Low	49.83388	87.96	Low	79.53967	87.92	Low	53.05136	87.95	Low

**Do Something 2023 and 2038**

**2023 DO SOMETHING**

**2038 DO SOMETHING**

LINK ID	ROAD SECTION	2023 DO SOMETHING			2023 DO SOMETHING			2038 DO SOMETHING			2038 DO SOMETHING		
		AVERAGE AM PEAK HOURLY FLOW / LANE	AM PEAK AVERAGE SPEED (KMPH)	AM PEAK DRIVER STRESS	AVERAGE PM PEAK HOURLY FLOW / LANE	PM PEAK AVERAGE SPEED (KMPH)	PM PEAK DRIVER STRESS	AVERAGE AM PEAK HOURLY FLOW / LANE	AM PEAK AVERAGE SPEED (KMPH)	AM PEAK DRIVER STRESS	AVERAGE PM PEAK HOURLY FLOW / LANE	PM PEAK AVERAGE SPEED (KMPH)	PM PEAK DRIVER STRESS
1941-1951	1	1137.634	110.03	Low	1114.8	111.11	Low	1525.01	107.89	Low	1365.092	107.45	Low
1951-1985	1	1137.634	110.03	Low	1114.8	111.11	Low	1525.01	107.89	Low	1365.092	107.45	Low
1990-40013	1	Missing node data											
40013-40012	1	Missing node data											
1985-40011	1	1264.835	109.48	Moderate	1145.151	110.86	Low	1715.037	106.58	Low	1393.393	107.19	Low
40011-40010	1	Missing node data											
41725-40009	1	Missing node data											
40009-35152	1	8.910283	47.79	High	5.894916	79.2	Moderate	10.25042	46.33	High	6.314919	46.7	High
40011-35152	1	1264.835	109.48	Low	1145.151	110.86	Low	1715.037	106.58	Low	1393.393	107.19	Low
35153-40009	1	Missing node data											
35153-27169	1	Missing node data											

2023 DO SOMETHING

2038 DO SOMETHING

LINK ID	ROAD SECTION	2023 DO SOMETHING			2023 DO SOMETHING			2038 DO SOMETHING			2038 DO SOMETHING		
		AVERAGE AM PEAK HOURLY FLOW / LANE	AM PEAK AVERAGE SPEED (KMPH)	AM PEAK DRIVER STRESS	AVERAGE PM PEAK HOURLY FLOW / LANE	PM PEAK AVERAGE SPEED (KMPH)	PM PEAK DRIVER STRESS	AVERAGE AM PEAK HOURLY FLOW / LANE	AM PEAK AVERAGE SPEED (KMPH)	AM PEAK DRIVER STRESS	AVERAGE PM PEAK HOURLY FLOW / LANE	PM PEAK AVERAGE SPEED (KMPH)	PM PEAK DRIVER STRESS
40010 35153	1	139.9846	48.09	High	118.7979	79.2	Moderate	163.7488	47.63	High	163.4957	46.98	High
40010 2061	1	80.99638	74.71	Moderate	67.31855	79.2	Moderate	93.96398	74.68	Moderate	94.90625	74.61	Moderate
40011 35152	1	1264.835	109.48	Low	1145.151	110.86	Low	1715.037	106.58	Low	1393.393	107.19	Low
35152 27160	1	1179.721	109.9	Low	1064.37	110.97	Low	1617.362	107.35	Low	1287.921	108.07	Moderate
27169 40014	1	171.8415	76.07	Moderate	87.30535	76.54	Moderate	253.566	75.74	Moderate	113.6037	77.13	Moderate
27160 29104	1	1179.721	109.9	Low	1064.37	110.97	Low	1617.362	107.35	Low	1287.921	108.07	Low
40014 40019	1	Missing node data											
29104 40015	1	1179.721	109.9	Low	1064.385	110.97	Low	1617.314	107.35	Low	1287.931	108.07	Low
40019 40016	1	Missing node data											
40016 27163	1	1134.621	110.19	Low	997.2675	110.93	Low	1272.882	109.53	Low	1305.692	108.37	Low
40015 40017	1	Missing node data											

2023 DO SOMETHING

2038 DO SOMETHING

LINK ID	ROAD SECTION	2023 DO SOMETHING			2023 DO SOMETHING			2038 DO SOMETHING			2038 DO SOMETHING		
		AVERAGE AM PEAK HOURLY FLOW / LANE	AM PEAK AVERAGE SPEED (KMPH)	AM PEAK DRIVER STRESS	AVERAGE PM PEAK HOURLY FLOW / LANE	PM PEAK AVERAGE SPEED (KMPH)	PM PEAK DRIVER STRESS	AVERAGE AM PEAK HOURLY FLOW / LANE	AM PEAK AVERAGE SPEED (KMPH)	AM PEAK DRIVER STRESS	AVERAGE PM PEAK HOURLY FLOW / LANE	PM PEAK AVERAGE SPEED (KMPH)	PM PEAK DRIVER STRESS
27163-27164	1	1134.621	110.19	Low	997.2675	110.93	Low	1272.882	109.53	Low	1305.692	108.37	Low
27164-1807	1	Missing node data											
40017-27045	1	1179.721	109.9	Low	1064.389	110.97	Low	1617.314	107.35	Low	1287.931	108.07	Low
1802-27166	1	122.1186	52.86	High	116.78	73.8	Moderate	136.5666	52.21	High	123.1537	54.76	High
27045-1802	1	1179.721	109.9	Low	1064.389	110.97	Low	1617.314	107.35	Low	1287.931	108.07	Low
1807-29213	1	Missing node data											
27166-27167	1	Missing node data											
Total number in the column 29 (12 missing nodes)		AM (11 Low, 3 High, 3 Moderate) PM (12 Low, 5 moderate)						AM (12 low, 3 high, 2 moderate) PM (11 low, 2 high, 11 moderate)					
1858-35147	2	46.14756	75.26	Low	65.01421	75.49	Low	52.08366	75.15	Low	76.52624	75.24	Low
35147-1858	2	21.38513	74.21	Low	26.79295	74.54	Low	13.63963	74.06	Low	31.29331	73.91	Low
27419-35147	2	160.0896	81.46	Low	77.52623	81.75	Low	215.8521	81.01	Low	90.67675	81.73	Low

**2023 DO SOMETHING**

**2038 DO SOMETHING**

LINK ID	ROAD SECTION	2023 DO SOMETHING			2023 DO SOMETHING			2038 DO SOMETHING			2038 DO SOMETHING		
		AVERAGE AM PEAK HOURLY FLOW / LANE	AM PEAK AVERAGE SPEED (KMPH)	AM PEAK DRIVER STRESS	AVERAGE PM PEAK HOURLY FLOW / LANE	PM PEAK AVERAGE SPEED (KMPH)	PM PEAK DRIVER STRESS	AVERAGE AM PEAK HOURLY FLOW / LANE	AM PEAK AVERAGE SPEED (KMPH)	AM PEAK DRIVER STRESS	AVERAGE PM PEAK HOURLY FLOW / LANE	PM PEAK AVERAGE SPEED (KMPH)	PM PEAK DRIVER STRESS
35147-27419	2	57.65942	81.92	Low	85.40062	81.96	Low	64.27376	81.91	Low	107.62	81.63	Low
1985-35147	2	33.62321	81.97	Low	33.85588	82	Low	36.96312	81.97	Low	45.60866	81.94	Low
35147-1985	2	160.8362	43.65	High	64.19183	73.8	Low	226.9648	42.08	High	73.89847	41.96	High
27148-1990	3	15.90613	49.4	High	21.37458	73.8	Low	41.73236	49	High	35.63931	48.66	High
1990-27148	3	69.90395	81.9	Low	122.1918	81.88	Low	95.06656	81.81	Low	163.5318	81.22	Low
27148-2185	3	123.4053	81.67	Low	195.9885	81.75	Low	155.3315	81.46	Low	258.4236	79.96	Low
2185-27148	3	171.8415	76.07	Low	87.30535	76.54	Low	253.566	75.74	Low	113.6037	77.13	Low
20612059	4	1.53	96	Low	0.21	96	Low	1.85	96	Low	4.129464	96	Low
20592061	4	11.35135	96	Low	7.927429	96	Low	12.46152	96	Low	8.144916	96	Low
20592344	4	1.53	81.96	Low	0.21	81.98	Low	1.85	82	Low	4.129464	82	Low
23442059	4	11.35135	82	Low	7.927429	82	Low	12.46152	82	Low	8.144916	82	Low
400102061	5	80.99638	74.71	Low	67.31855	79.2	Low	93.96398	74.68	Low	94.90625	74.61	Low
206140010	5	80.99638	74.71	Low	67.31855	79.2	Low	93.96398	74.68	Low	94.90625	74.61	Low

**2023 DO SOMETHING**

**2038 DO SOMETHING**

LINK ID	ROAD SECTION	2023 DO SOMETHING			2023 DO SOMETHING			2038 DO SOMETHING			2038 DO SOMETHING		
		AVERAGE AM PEAK HOURLY FLOW / LANE	AM PEAK AVERAGE SPEED (KMPH)	AM PEAK DRIVER STRESS	AVERAGE PM PEAK HOURLY FLOW / LANE	PM PEAK AVERAGE SPEED (KMPH)	PM PEAK DRIVER STRESS	AVERAGE AM PEAK HOURLY FLOW / LANE	AM PEAK AVERAGE SPEED (KMPH)	AM PEAK DRIVER STRESS	AVERAGE PM PEAK HOURLY FLOW / LANE	PM PEAK AVERAGE SPEED (KMPH)	PM PEAK DRIVER STRESS
40010 40009	5	18.34934	88	Low	33.46651	87.98	Low	18.2054	88	Low	35.26881	87.98	Low
40009 40010	5	114.3142	69.89	Moderate	80.63765	79.2	Low	126.9506	69.71	Moderate	106.3907	69.44	Moderate
40009 35152	5	8.910283	47.79	High	5.894916	79.2	Low	10.25042	46.33	Low	6.314919	46.7	High
35152 40009	5	94.03248	78.54	Low	86.67628	79.2	Low	107.9343	78.83	Low	111.7759	75.69	Low
1725 40009	5	0.02	79.61	Low	0.04	79.65	Low	0.01	79.6	Low	0.04	79.59	Low
40009 1725	5	0.84	79.33	Low	0.13	79.4	Low	0.3	79.29	Low	0.13	79.22	Low
2076- 2313	6	19.60396	78.08	Low	28.87284	78.06	Low	19.67211	78.08	Low	31.06141	78.06	Low
2313- 2076	6	25.53818	77.88	Low	13.2946	77.86	Low	25.02197	77.83	Low	16.22457	77.7	Low
2313- 2076	6	25.53818	77.88	Low	13.2946	77.86	Low	25.02197	77.83	Low	16.22457	77.7	Low
2076- 2313	6	19.60396	78.08	Low	28.87284	78.06	Low	19.67211	78.08	Low	31.06141	78.06	Low
2117- 2353	7	55.72261	81.93	Low	48.67026	81.88	Low	63.92607	81.91	Low	67.0924	81.87	Low

**2023 DO SOMETHING**

**2038 DO SOMETHING**

LINK ID	ROAD SECTION	2023 DO SOMETHING			2023 DO SOMETHING			2038 DO SOMETHING			2038 DO SOMETHING		
		AVERAGE AM PEAK HOURLY FLOW / LANE	AM PEAK AVERAGE SPEED (KMPH)	AM PEAK DRIVER STRESS	AVERAGE PM PEAK HOURLY FLOW / LANE	PM PEAK AVERAGE SPEED (KMPH)	PM PEAK DRIVER STRESS	AVERAGE AM PEAK HOURLY FLOW / LANE	AM PEAK AVERAGE SPEED (KMPH)	AM PEAK DRIVER STRESS	AVERAGE PM PEAK HOURLY FLOW / LANE	PM PEAK AVERAGE SPEED (KMPH)	PM PEAK DRIVER STRESS
2353-2117	7	85.65574	81.81	Low	124.12	81.87	Low	111.8857	81.69	Low	164.1697	81.22	Low
2353 2451	7	58.41623	77.97	Low	51.93549	77.88	Low	66.6498	77.84	Low	70.91246	77.78	Low
2451 2353	7	90.79801	81.79	Low	129.0346	81.83	Low	117.2983	81.66	Low	169.2591	81.17	Low
2107 1662	8	5.468041	80.77	Low	21.20849	80.77	Low	7.768051	80.77	Low	22.75425	80.76	Low
1662 2107	8	7.250183	80.74	Low	5.718498	80.73	Low	7.594211	80.74	Low	4.85824	80.72	Low
2417-2040	9	11.64048	80.41	Low	12.87551	80.4	Low	13.7028	80.41	Low	17.79398	80.39	Low
2040-2417	9	18.77484	80.29	Low	15.10716	80.32	Low	22.62331	80.23	Low	18.2999	80.28	Low
1662 1933	10	2.728087	82	Low	4.164909	82	Low	2.448065	82	Low	3.714909	82	Low
1933-1662	10	7.178237	82	Low	9.293502	82	Low	6.766125	82	Low	11.38821	82	Low
1662-1640	10	12.6463	70.61	Low	30.50195	73.8	Low	14.53417	70.44	Low	34.13747	70.19	Low
1640-1662	10	9.988227	74.59	Low	9.873454	73.8	Low	10.03237	74.31	Low	8.568226	76.04	Low
1659-1841	11	1.276576	82	Low	1.514551	82	Low	0.99023	82	Low	1.389587	82	Low
1841-1659	11	0.811957	82	Low	5.539832	82	Low	0.682016	82	Low	5.599837	82	Low

**2023 DO SOMETHING**

**2038 DO SOMETHING**

LINK ID	ROAD SECTION	2023 DO SOMETHING			2023 DO SOMETHING			2038 DO SOMETHING			2038 DO SOMETHING		
		AVERAGE AM PEAK HOURLY FLOW / LANE	AM PEAK AVERAGE SPEED (KMPH)	AM PEAK DRIVER STRESS	AVERAGE PM PEAK HOURLY FLOW / LANE	PM PEAK AVERAGE SPEED (KMPH)	PM PEAK DRIVER STRESS	AVERAGE AM PEAK HOURLY FLOW / LANE	AM PEAK AVERAGE SPEED (KMPH)	AM PEAK DRIVER STRESS	AVERAGE PM PEAK HOURLY FLOW / LANE	PM PEAK AVERAGE SPEED (KMPH)	PM PEAK DRIVER STRESS
1659-27166	12	80.64784	81.87	Low	23.70934	81.97	Low	89.98419	81.83	Low	25.57932	81.98	Low
27166-1659	12	12.24849	80.02	Low	32.97373	79.96	Low	12.50264	80.02	Low	37.61359	79.98	Low
27165-1970	13	107.3064	81.56	Low	94.38854	81.01	Low	121.07	81.47	Low	101.0246	81.36	Low
1970-27165	13	62.14058	81.57	Low	57.21685	80.72	Low	65.86713	81.48	Low	66.77904	81.12	Low
2018-27042	14	72.47864	87.94	Low	51.1926	87.96	Low	87.47941	87.91	Low	58.7973	87.94	Low
27042-2018	14	62.4799	85.29	Low	60.59993	85.33	Low	64.11831	85.22	Low	68.89659	85.12	Low



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Registered office Bridge House, 1 Walnut Tree Close, Guildford GU1 4LZ

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