

A1 in Northumberland: Morpeth to Ellingham

Scheme Number: TR010041

6.8 Environmental Statement – Appendix 12.2 Driver Stress Analysis

Part B

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]**

Environmental Statement - Appendix

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DRIVER STRESS ANALYSIS

- 12.1.1. The following tables outline the predicted average morning and afternoon peak hour Driver Stress levels along the traffic modelling links, between nodes (sections of the road along which traffic data is collected) within A1 in Northumberland: Alnwick to Ellingham (Part B) extents for opening year (2023) and design year (2038) for the Scheme.
- 12.1.2. Flow units for the Driver Stress are calculated by using the following allocation for vehicle units:
 - a. A car or light van is one flow unit
 - b. A commercial vehicle over 1.5 tonnes or a public service vehicle is three flow units
- 12.1.3. The Driver Stress rating for each node is categorised using either low, moderate or high, as described under the Design Manual for Roads and Bridges (DMRB) guidance in Volume 11, Section 2, Part 9.

Table 12-1 - Baseline Year (2015)

Link ID	Location	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
1748_1722	1	418.17	111.83	Low	459.11	111.77	Low
1748_1744	1	5.74	64.00	Moderate	4.50	64.00	Moderate
1749_1748	1	415.04	111.83	Low	456.29	111.78	Low
1753_1749	1	415.75	111.83	Low	456.86	111.78	Low
1887_1753	1	415.75	87.23	Low	456.86	85.48	Low
1888_1887	1	446.70	65.25	Moderate	509.77	52.78	High
1901_1888	1	432.39	86.70	Low	496.44	83.90	Low
1890_1888	1	46.81	24.62	High	60.68	23.55	High
1887_1890	1	35.99	88.00	Low	63.21	88.00	Low
1899_1897	1	110.53	54.13	Moderate	105.01	40.27	High
1902_1899	1	110.53	88.00	Low	105.01	88.00	Low
1902_1901	1	316.41	90.38	Low	340.80	89.93	Low
1899_1901	1	115.99	22.46	High	155.64	22.17	High
2231_1902	1	316.41	90.38	Low	340.80	89.93	Low
2309_2238	1	356.14	111.92	Low	483.30	111.76	Low
2231_2274	1	262.87	111.95	Low	376.93	111.88	Low
2274_2278	1	188.22	111.98	Low	299.54	111.93	Low
2288_2285	1	281.86	23.10	High	273.07	27.67	High

Link ID	Location	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
2310_2288	1	283.16	88.00	Low	276.48	88.00	Low
2278_2309	1	356.14	111.92	Low	483.30	111.76	Low
4658_4646	1	411.74	111.32	Low	430.05	111.36	Low
4664_4658	1	411.74	111.84	Low	430.05	111.81	Low
1722_4664	1	418.17	111.83	Low	459.11	111.77	Low
1744_1748	1	3.32	20.67	High	3.46	20.34	High
1753_1887	1	345.92	90.34	Low	444.91	86.35	Low
1887_1888	1	340.91	90.61	Low	434.60	86.83	Low
1888_1901	1	373.40	89.56	Low	481.95	84.82	Low
1897_1899	1	115.99	88.00	Low	155.64	88.00	Low
1901_1902	1	373.40	33.84	High	481.95	36.33	High
1902_2231	1	262.87	92.49	Low	376.93	88.94	Low
2285_2288	1	326.56	31.73	High	410.25	27.75	High
2288_2310	1	340.03	85.28	Low	388.48	82.59	Low
4646_4658	1	353.83	111.90	Low	425.34	111.83	Low
2116_2189	2	391.26	47.00	High	459.21	47.00	High
2200_27035	2	159.58	44.12	High	257.54	42.29	High
2340_27035	2	241.45	43.39	High	195.83	43.21	High
2119_2111	2	118.70	23.22	High	79.42	23.25	High

Link ID	Location	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
2189_2116	2	474.95	47.00	High	510.87	47.00	High
27035_2200	2	241.45	43.29	High	195.83	43.21	High
27035_2340	2	159.58	44.02	High	257.54	42.29	High
2025_1897	3	99.56	63.78	Moderate	131.50	63.42	Moderate
2047_2025	3	53.31	87.96	Low	90.37	87.82	Low
2093_2047	3	118.20	87.77	Low	139.81	87.53	Low
2101_2108	3	190.71	88.00	Low	153.03	88.00	Low
2285_2119	3	118.70	88.00	Low	79.42	88.00	Low
1897_2025	3	97.36	63.57	Moderate	81.80	63.53	Moderate
2025_2047	3	81.49	87.92	Low	62.22	87.93	Low
2047_2093	3	164.45	87.55	Low	121.86	87.67	Low
2119_2285	3	120.77	82.59	Low	98.91	82.20	Low
2310_2346	4	321.47	82.28	Low	362.33	81.76	Low
2346_2310	4	357.87	78.22	Low	356.70	75.13	Low
1897_1648	5	13.16	86.64	Low	23.22	86.62	Low
1648_1897	5	16.43	86.65	Low	24.15	86.61	Low
1233_1744	6	3.32	82.00	Low	3.46	82.00	Low
1744_1233	6	6.43	81.53	Low	5.07	81.53	Low
4665_1755	7	55.01	77.58	Low	41.96	79.69	Low

Link ID	Location	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
1818_1755	7	22.57	81.99	Low	33.11	81.97	Low
2163_1755	7	23.65	80.16	Low	3.19	80.16	Low
27003_1818	7	24.97	76.46	Low	33.74	76.45	Low
4695_1818	7	8.35	78.90	Low	4.72	79.86	Low
4657_4646	7	42.65	75.91	Moderate	38.50	75.73	Moderate
1755_4665	7	46.22	72.74	Moderate	36.30	72.26	Moderate
1755_1818	7	27.86	81.98	Low	31.68	81.97	Low
1755_2163	7	27.15	80.15	Low	10.29	80.15	Low
1818_27003	7	32.91	76.45	Low	32.96	76.44	Low
1818_4695	7	5.72	64.00	High	4.07	64.00	Moderate
4646_4657	7	39.43	81.95	Low	32.94	81.97	Low

Table 12-2 - Do Minimum (2023 and 2038)

Link ID	Location	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
1748_1722	1	517.393	111.73	Low	517.3366	111.69	Low	700.8692	111.43	Low	628.8455	111.47	Low
1748_1744	1	5.554337	64	Moderate	4.337561	64	Moderate	5.861502	64	Moderate	4.342511	64	Moderate
1749_1748	1	514.3892	111.73	Low	514.5965	111.69	Low	697.8031	111.43	Low	626.1521	111.48	Low
1753_1749	1	515.1038	111.73	Low	515.1325	111.69	Low	698.562	111.43	Low	626.6882	111.48	Low
1887_1753	1	515.1038	84.09	Low	515.1325	82.95	Low	698.562	76.98	Moderate	626.6882	77.97	Moderate
1888_1887	1	545.1679	65.84	Moderate	569.1555	52.56	High	731.8637	62.6	Moderate	685.6198	50.41	High
1901_1888	1	529.6633	83.59	Low	555.2151	81.26	Low	712.8626	76.43	Moderate	669.8258	76.03	Moderate
1890_1888	1	46.10437	23.86	High	61.8562	22.64	High	48.46307	22.29	High	66.00065	20.88	High
1887_1890	1	34.81144	88	Low	65.12299	88	Low	38.16602	88	Low	71.99152	88	Low
1899_1897	1	108.4521	54.24	Moderate	108.302	40.13	High	114.5601	50.51	Moderate	118.5838	38.58	High
1902_1899	1	108.4521	88	Low	108.302	88	Low	114.5601	88	Low	118.5838	88	Low
1902_1901	1	407.2445	87.87	Low	390.6662	88.23	Low	559.1602	82.98	Low	481.1235	84.75	Low
1899_1901	1	122.42	21.68	High	164.5502	21.6	High	153.7024	20.14	High	188.6929	20.44	High
2231_1902	1	407.2445	87.87	Low	390.6662	88.23	Low	559.1602	82.98	Low	481.1235	84.75	Low
2309_2238	1	384.9843	111.9	Low	568.6666	111.63	Low	441.4963	111.85	Low	712.2866	111.32	Low
2231_2274	1	294.3773	111.94	Low	434.135	111.82	Low	344.0578	111.91	Low	537.4686	111.69	Low
2274_2278	1	213.5163	111.97	Low	345.8873	111.9	Low	250.6031	111.96	Low	432.571	111.83	Low
2288_2285	1	307.4655	22	High	292.0924	27.22	High	368.809	20.17	High	334.8379	25.68	High
2310_2288	1	317.1003	88	Low	300.2663	88	Low	367.5763	88	Low	341.4118	88	Low
2278_2309	1	384.9843	111.9	Low	568.6666	111.63	Low	441.4963	111.85	Low	712.2866	111.32	Low
4658_4646	1	511.0312	111.18	Moderate	487.2173	111.28	Low	696.5272	110.84	High	596.7975	111.1	Moderate
4664_4658	1	511.0312	111.73	Moderate	487.2173	111.73	Low	696.5272	111.43	High	596.7975	111.54	Moderate

Link ID	Location	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
1722_4664	1	517.393	111.73	Low	517.3366	111.69	Low	700.8692	111.43	Low	628.8455	111.47	Low
1744_1748	1	3.173161	20.06	High	3.284075	19.89	High	3.215897	18.83	High	3.24752	19.04	High
1887_1888	1	372.2394	89.61	Low	494.526	84.4	Low	429.1655	87.76	Low	605.8455	79.77	Moderate
1897_1899	1	122.42	88	Low	164.5502	88	Low	153.7024	88	Low	188.6929	88	Low
1888_1901	1	402.8267	88.69	Low	542.4364	82.21	Low	458.6203	86.78	Low	656.0524	77.29	Moderate
2285_2288	1	349.5102	30.06	High	452.8895	27.27	High	390.0006	30.68	High	523.3112	25.6	High
2288_2310	1	371.3586	84.7	Low	426.1238	81.43	Low	425.1344	83.56	Low	480.879	79.42	Low
4646_4658	1	383.5555	111.88	Low	482.8263	111.75	Low	440.9404	111.83	Low	590.6377	111.59	Moderate
1901_1902	1	402.8267	34.15	High	542.4364	36.44	High	458.6203	33.5	High	656.0524	35.94	High
1902_2231	1	294.3773	91.72	Low	434.135	86.92	Low	344.0578	90.33	Low	537.4686	82.91	Low
1753_1887	1	376.9871	89.47	Low	505.6395	83.84	Low	434.0433	87.6	Low	618.904	79.06	Moderate
2119_2111	2	136.3829	23.2	High	85.72234	23.2	High	175.8854	23.17	High	101.5558	23.15	High
2189_2116	2	521.685	47	High	529.5391	47	High	607.5392	47	High	579.3019	47	High
27035_2200	2	256.4815	43.09	High	204.0759	43.06	High	293.6875	42.62	High	222.2503	42.74	High
27035_2340	2	165.6841	43.92	High	265.2588	42.15	High	185.0875	43.65	High	296.6504	41.62	High
2116_2189	2	407.8818	47	High	488.1745	47	High	449.9309	47	High	544.5408	47	High
2340_27035	2	256.4815	43.19	High	204.0759	43.06	High	293.6875	42.72	High	222.2503	42.74	High
2200_27035	2	165.6841	44.02	High	265.2588	42.15	High	185.0957	43.74	High	296.6504	41.62	High
2025_1897	3	105.7396	63.73	Moderate	140.1199	63.31	Moderate	135.7916	63.46	Moderate	162.3841	63.06	Moderate
2047_2025	3	62.02586	87.94	Low	100.4766	87.76	Low	89.57296	87.83	Low	122.2392	87.62	Low
2093_2047	3	134.4989	87.68	Low	151.8274	87.41	Low	183.6428	87.21	Low	181.0108	87.11	Low
2101_2108	3	193.2499	88	Low	181.8103	88	Low	209.0879	88	Low	218.7002	88	Low

Link ID	Location	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
2285_2119	3	136.3829	88	Low	85.72234	88	Low	175.8854	88	Low	101.5558	88	Low
2047_2093	3	163.2225	87.54	Low	147.7299	87.47	Low	173.3077	87.47	Low	179.9003	87.15	Low
2119_2285	3	124.3257	82.53	Low	124.9949	81.99	Low	137.7402	82.43	Low	155.7378	81.59	Low
1897_2025	3	95.30013	63.57	Moderate	83.72871	63.52	Moderate	98.11779	63.55	Moderate	89.89083	63.5	Moderate
2025_2047	3	82.29302	87.91	Low	67.85775	87.9	Low	87.76853	87.89	Low	78.24909	87.87	Low
2346_2310	4	393.1489	77.86	Low	394.7927	73.89	Low	451.5412	76.65	Low	461.3879	71.39	Low
1890_2037	4	34.81144	86.15	Low	65.12299	86.23	Low	38.16602	86.2	Low	71.99152	86.18	Low
2310_2346	4	356.8087	81.67	Low	386.1149	80.67	Low	411.6537	80.52	Low	426.0361	79.02	Low
2037_1890	4	46.10437	87.98	Low	61.8562	87.93	Low	48.46307	87.97	Low	66.00065	87.91	Low
1648_1897	5	16.66502	86.64	Low	24.43041	86.6	Low	17.89158	86.62	Low	26.30857	86.59	Low
1897_1648	5	13.15733	86.63	Low	24.57793	86.61	Low	16.44177	86.61	Low	28.68369	86.6	Low
1744_1233	6	6.269767	81.53	Low	4.887391	81.53	Low	6.631862	81.53	Low	4.877422	81.52	Low
1233_1744	6	3.181297	82	Low	3.284075	82	Low	3.215897	82	Low	3.24752	82	Low
4665_1755	7	59.20126	77.83	Low	43.32301	79.7	Low	68.37659	77.99	Low	46.46094	79.65	Low
1818_1755	7	23.62452	81.99	Low	36.53993	81.96	Low	25.83563	81.99	Low	42.91209	81.95	Low
2163_1755	7	28.01093	80.15	Low	3.250534	80.16	Low	37.00435	80.14	Low	3.553874	80.15	Low
27003_1818	7	25.92158	76.46	Low	37.10076	76.45	Low	28.30248	76.46	Low	43.36838	76.43	Low
4695_1818	7	7.951906	78.89	Low	4.497819	79.9	Low	8.16695	78.87	Low	4.387886	79.98	Low
4657_4646	7	45.12137	75.7	Moderate	41.15407	75.54	Moderate	47.0048	75.08	Moderate	37.89703	74.91	Moderate
1755_1818	7	32.11184	81.98	Low	32.83943	81.97	Low	38.73765	81.97	Low	35.04852	81.97	Low
1755_2163	7	27.08936	80.16	Low	10.49402	80.15	Low	29.63237	80.15	Low	11.41225	80.14	Low
4646_4657	7	46.71876	81.93	Low	36.74204	81.96	Low	59.45002	81.9	Low	41.81776	81.95	Low

Link ID	Location	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
1755_4665	7	51.64672	72.61	Moderate	39.80959	71.98	Moderate	62.84007	72.37	Moderate	46.46705	71.44	Moderate
1818_4695	7	5.446929	64	Moderate	3.904229	64	Moderate	5.657696	64	Moderate	3.809262	64	Moderate
1818_27003	7	36.906	76.45	Low	33.98454	76.43	Low	43.71394	76.43	Low	36.09348	76.41	Low

Table 12-3 - Do Something (2023 and 2038)

Link ID	Location	2023 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
1748_1722	1	560.501	111.66	Low	560.7329	111.6	Low	777.0606	111.26	Low	690.1699	111.31	Low
1748_1744	1	5.538082	64	Moderate	4.277892	64	Moderate	5.851449	64	Moderate	4.252813	64	Moderate
1749_1748	1	557.5156	111.66	Low	557.8159	111.6	Low	774.0117	111.27	Low	687.4865	111.32	Low
1753_1749	1	557.528	111.66	Low	557.8251	111.6	Low	774.0117	111.27	Low	687.4865	111.32	Low
1899_1897	1	37.78345	70.73	Low	40.56292	70.54	Low	40.49254	70.64	Low	41.66776	70.42	Low
1902_1901	1	454.7024	111.79	Low	436.9199	111.79	Low	650.7829	111.53	Low	544.982	111.63	Low
2231_1902	1	454.7024	111.79	Low	436.9199	111.79	Low	650.7829	111.53	Low	544.982	111.63	Low
2309_2238	1	395.5376	111.89	Low	584.7948	111.6	Low	457.213	111.84	Low	736.354	111.25	Low
2274_2278	1	226.2436	111.97	Low	369.8737	111.89	Low	271.7959	111.95	Low	473.5803	111.78	Low
2288_2285	1	377.5895	18.4	High	351.7578	20.97	High	442.6638	17.29	High	401.7988	19.93	High
2310_2288	1	399.1411	88	Low	368.4682	88	Low	456.6739	88	Low	419.6561	88	Low
2278_2309	1	395.5376	111.89	Low	584.7948	111.6	Low	457.213	111.84	Low	736.354	111.25	Low
4658_4646	1	546.2945	111.12	Moderate	517.0437	111.21	Low	766.8695	110.65	High	646.8186	110.81	Moderate
4664_4658	1	546.2945	111.68	Moderate	517.0437	111.67	Low	766.8695	111.29	High	646.8186	111.42	Moderate
1722_4664	1	560.501	111.66	Low	560.7329	111.6	Low	777.0606	111.26	Low	690.1699	111.31	Low
1744_1748	1	3.165642	21.15	High	3.415109	20.85	High	3.213913	19.53	High	3.248447	19.68	High
1887_1888	1	392.3651	111.88	Low	527.8728	111.69	Low	465.1941	111.81	Low	692.7625	111.36	Low
1897_1899	1	15.8642	71.1	Low	30.69264	71.02	Low	17.05824	71.09	Low	32.56967	71.01	Low
2285_2288	1	355.9292	27.57	High	458.601	24.52	High	411.1158	24.89	High	535.533	22.79	High
2288_2310	1	366.5554	84.78	Low	413.7261	81.81	Low	419.1326	83.69	Low	468.7347	79.82	Low
4646_4658	1	393.2368	111.88	Low	500.3527	111.73	Low	454.2432	111.82	Low	616.9453	111.53	Moderate

Link ID	Location	2023 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
2189_2116	2	520.6312	47	High	524.9887	47	High	606.5181	47	High	578.2921	47	High
27035_2200	2	255.9546	43.1	High	203.9469	43.07	High	292.7976	42.63	High	221.8621	42.75	High
27035_2340	2	165.0965	43.94	High	268.6519	42.09	High	183.9595	43.66	High	296.6706	41.62	High
2116_2189	2	407.4887	47	High	487.7785	47	High	449.1627	47	High	543.3062	47	High
2340_27035	2	255.9611	43.2	High	203.9469	43.07	High	292.8072	42.73	High	221.8621	42.75	High
2200_27035	2	165.0939	44.03	High	268.6519	42.09	High	183.9677	43.76	High	296.6706	41.62	High
2025_1897	3	106.1691	63.74	Moderate	137.1059	63.39	Moderate	125.5382	63.64	Moderate	159.2988	63.16	Moderate
2047_2025	3	61.62012	87.95	Low	97.46388	87.8	Low	77.38062	87.92	Low	118.7026	87.68	Low
2093_2047	3	134.1842	87.7	Low	148.9304	87.48	Low	171.5384	87.43	Low	177.5103	87.21	Low
2101_2108	3	122.9688	88	Low	124.0741	88	Low	137.1305	88	Low	154.895	88	Low
2285_2119	3	204.7736	88	Low	141.7045	88	Low	247.1193	88	Low	163.6425	88	Low
2025_2047	3	13.1515	88	Low	10.69567	88	Low	15.92016	88	Low	14.79228	88	Low
2047_2093	3	94.27361	87.87	Low	90.68822	87.84	Low	101.4498	87.84	Low	116.6444	87.69	Low
2119_2285	3	122.9656	82.52	Low	124.0741	81.96	Low	137.1401	82.35	Low	154.8939	81.53	Low
1897_2025	3	25.27001	63.25	Moderate	25.80513	63.21	Moderate	25.74041	63.24	Moderate	25.89946	63.2	Moderate
2346_2310	4	403.1672	77.96	Low	384.2764	74.35	Low	452.3748	76.9	Low	437.3414	72.38	Low
2310_2346	4	355.8303	81.62	Low	376.7408	80.86	Low	407.6408	80.65	Low	419.9498	79.16	Low
1744_1233	6	5.556519	81.53	Low	4.277599	81.53	Low	5.846486	81.53	Low	4.252813	81.52	Low
1233_1744	6	3.171191	82	Low	3.415109	82	Low	3.213913	82	Low	3.248447	82	Low
1755_1732	7	0	78.31	Low	0	78.31	Low	0	78.3	Low	0	78.31	Low
4665_1755	7	67.05635	78.24	Low	56.62576	80.2	Low	74.11184	78.23	Low	57.57422	80.04	Low
1818_1755	7	29.25431	81.98	Low	40.8141	81.95	Low	43.57525	81.96	Low	90.17245	81.76	Low

Link ID	Location	2023 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
2163_1755	7	28.06243	80.15	Low	3.261061	80.15	Low	37.00435	80.12	Low	3.543954	80.1	Low
27003_1818	7	26.34174	76.44	Low	37.8705	76.4	Low	28.85316	76.41	Low	44.38854	76.27	Low
4695_1818	7	13.0708	80.01	Low	7.882435	80.78	Low	25.217	80.88	Low	50.42286	81.75	Low
4657_4646	7	45.19459	75.63	Moderate	41.49271	75.46	Moderate	48.08533	74.94	Moderate	38.25664	74.75	Moderate
1732_1755	7	0	78.21	Low	0	78.19	Low	0	78.18	Low	0	78.13	Low
1755_1818	7	40.00713	81.96	Low	46.20956	81.94	Low	44.57809	81.96	Low	46.33272	81.94	Low
1755_2163	7	27.04911	80.16	Low	10.4036	80.14	Low	29.5418	80.16	Low	11.23225	80.17	Low
4646_4657	7	48.81178	81.93	Low	38.41905	81.96	Low	66.78032	81.88	Low	52.3679	81.92	Low
1755_4665	7	57.31656	72.56	Moderate	44.06967	71.88	Moderate	80.56945	72.26	Moderate	93.71211	71.01	Moderate
1818_4695	7	12.03713	64	Moderate	15.78441	64	Moderate	9.239452	64	Moderate	12.96305	64	Moderate
1818_27003	7	38.12632	76.44	Low	35.36922	76.43	Low	45.8133	76.42	Low	37.99867	76.41	Low

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