

**M1 JUNCTION 19 IMPROVEMENT
ENVIRONMENTAL STATEMENT VOLUME 2
CHAPTER 1 – AIR QUALITY AND CLIMATE CHANGE**



Appendix A – Modelled Traffic Data

Link ID	Baseline 2007			Do-Minimum 2014		
	AADT	%HDV	Speed (kph)	AADT	%HDV	Speed (kph)
101	34427	9.5%	116	46423	8.0%	116
102	27999	5.9%	116	37274	4.9%	116
103	45028	6.1%	105	59762	5.5%	105
104	46804	6.2%	116	60423	5.6%	116
105	29924	7.7%	116	37525	6.8%	116
106	37058	10.7%	105	45759	9.7%	105
108	28949	10.5%	116	33789	8.6%	116
109	31394	12.6%	116	39782	10.9%	116
110	21020	22.3%	100	28318	19.0%	99
112	31326	10.3%	116	41037	10.2%	116
113	27133	6.8%	116	34376	6.5%	116
115	500	2.0%	36	500	2.0%	32
117	500	2.8%	54	500	2.2%	53
118	500	2.0%	64	500	2.0%	64
119	500	2.0%	87	500	2.1%	82
120	1246	2.4%	69	3185	2.0%	67
121	1630	2.3%	84	3521	2.0%	83
122	1142	2.0%	71	1747	2.0%	71
123	1112	3.6%	63	1035	4.0%	60
124	1142	2.0%	66	1747	2.0%	66
125	1142	2.0%	75	1747	2.0%	72
126	1142	2.0%	37	1747	2.0%	25
127	1327	2.0%	61	1930	2.0%	61
128	1108	3.0%	60	1031	3.4%	60
129	500	2.0%	59	500	2.0%	58
130	500	2.0%	48	500	2.0%	48
131	500	2.0%	34	500	2.0%	27
132	1669	2.0%	60	1547	2.0%	60
134	2115	2.0%	86	2016	2.0%	86
135	2615	5.2%	96	2516	5.6%	96
136	500	2.0%	65	500	2.0%	65
137	500	2.0%	65	500	2.0%	62
138	500	2.0%	47	500	2.0%	47
139	2279	2.0%	66	3000	2.0%	65
140	1779	2.0%	66	2500	2.0%	66
141	500	2.0%	66	500	2.0%	66
142	11222	4.5%	57	15436	5.5%	56
143	3216	3.8%	57	3017	4.6%	57
144	10696	4.7%	67	15074	5.6%	67
145	951	2.0%	67	1805	2.0%	67
146	3397	5.7%	60	5504	6.0%	63
147	11433	3.5%	49	15887	3.8%	49

Link ID	Baseline 2007			Do-Minimum 2014		
	AADT	%HDV	Speed (kph)	AADT	%HDV	Speed (kph)
148	12409	10.4%	51	15024	10.0%	39
149	1684	3.3%	66	3464	2.0%	66
150	1071	2.2%	65	2885	2.0%	65
151	500	5.9%	66	500	3.7%	66
152	500	2.0%	67	500	2.0%	67
153	8150	11.9%	44	7743	21.7%	36
154	2447	37.0%	59	5993	23.9%	59
155	4193	32.7%	40	6661	29.3%	39
156	8625	13.6%	64	10838	12.9%	64
157	15486	20.4%	59	15902	23.8%	59
158	12597	13.3%	87	14048	13.5%	78
159	12224	13.7%	80	14282	13.5%	80
160	12256	13.6%	80	11112	17.2%	80
161	12767	13.1%	76	10841	17.4%	76
164	648	2.0%	67	1078	4.4%	67
165	510	2.0%	47	1114	4.3%	47
170	8222	2.3%	62	8979	2.9%	60
173	6692	4.1%	87	6842	5.9%	86
174	6328	3.3%	62	9814	4.1%	59
201	6567	23.0%	63	9149	20.4%	58
202	7134	23.4%	23	8234	22.9%	3
203	21912	21.5%	55	28659	18.8%	55
204	892	2.0%	55	500	3.2%	55
205	35722	18.9%	65	46629	17.4%	65
207	21509	17.0%	55	27849	16.6%	55
208	15707	13.5%	65	20507	13.4%	64
209	7869	19.6%	9	11044	16.9%	9
210	14515	23.3%	9	16884	20.8%	4
211	20780	22.2%	64	27929	19.2%	65
212	14329	14.8%	61	18550	14.8%	60
213	16879	3.5%	116	22898	3.7%	116
214	17029	6.4%	116	22487	6.4%	116
500	21126	7.0%	60	24143	7.3%	60
(A14 J1 EB)	27255	22.3%	100	41467	14.8%	99
(A14 J1 WB)	26032	18.0%	86	39449	14.8%	99
133	1659	2.0%	64	1532	2.0%	63
805	13125	14.4%	67	16826	15.8%	67
502	20108	20.3%	62	23501	20.5%	62
(A4304)	5752	6.7%	67	10100	10.4%	67
111	21969	17.9%	86	27508	16.7%	40

Link ID	Do-Something 2014		
	AADT	%HDV	Speed (kph)
1	24646	6.0%	116
101	53914	6.9%	116
102	37558	4.9%	116
103	62204	5.3%	105
104	60660	5.5%	103
105	41893	5.9%	116
106	53816	8.1%	116
108	37439	8.8%	116
109	47001	10.4%	116
110	40157	14.7%	68
111	37889	12.5%	120
112	46179	9.4%	116
113	36784	6.2%	116
115	500	2.0%	66
117	500	2.5%	47
118	500	2.0%	66
119	500	2.4%	66
121	500	2.3%	57
122	1451	2.0%	56
123	1864	2.4%	67
124	1451	2.0%	67
125	1451	2.0%	61
126	1451	2.0%	48
128	1860	2.0%	66
129	500	2.0%	65
130	500	2.0%	65
131	500	2.0%	67
132	1595	2.0%	67
134	2393	2.0%	67
135	2893	4.8%	58
136	500	2.0%	59
137	500	2.0%	64
138	500	2.0%	47
142	12958	6.9%	84
143	3263	4.3%	62
144	12739	6.9%	87
145	500	2.0%	61
146	6201	5.6%	60
147	15626	4.2%	84
148	15563	9.8%	87
149	3376	2.2%	65
150	500	2.0%	74
151	500	5.6%	62
152	500	2.0%	65
153	6674	19.4%	43

Link ID	Do-Something 2014		
	AADT	%HDV	Speed (kph)
154	9562	16.6%	56
155	9395	21.8%	38
156	10413	13.0%	63
157	15821	20.7%	87
158	14610	12.7%	87
159	14821	12.8%	80
160	11814	16.6%	80
161	11549	16.7%	76
164	1059	4.5%	67
165	1114	4.3%	47
170	7773	3.1%	56
173	6733	5.9%	66
174	9751	4.3%	64
20	28234	14.3%	120
21	21533	13.2%	120
22	21533	13.2%	120
23	37558	4.9%	116
24	41893	5.9%	116
901	764	4.7%	85
902	762	4.7%	85
903	2941	2.5%	83
905	629	2.0%	62
906	500	2.0%	66
500	23336	7.6%	76
(A14 J1 EB)	54680	13.4%	68
(A14 J1 WB)	45415	12.5%	120
904	500	2.0%	79
139	847	2.0%	76
133	1580	2.0%	66
2	18767	4.6%	112
29	11923	15.8%	85
30	16356	11.7%	85
805	14780	14.3%	67
502	23538	18.7%	62
(A4304)	8428	6.0%	67