

## TECHNICAL APPENDIX 12.1

### TRAFFIC DATA

ATC DATA









































DFT DATA

count_poi	year	region_id	local_auth	road_name	road_type	start_junct	end_junct	easting	northing	latitude	longitude	link_length	link_length	estimator	estimator	direction	_pedal_cycl	two_whee	cars_and_buses	ancilgvs	hgvs_2_rig	hgvs_3_rig	hgvs_4_or	hgvs_3_or	hgvs_5_ar	hgvs_6_ar	all_hgvs	all_motor_vehicles	
80363	2018	3	44	A83	Major	A8015	A816	184950	680000	55.96471	-5.44721	20.6	12.8	Counted	Automatic	N	7	7	929	14	336	56	14	9	6	17	27	128	1414
80363	2018	3	44	A83	Major	A8015	A816	184950	680000	55.96471	-5.44721	20.6	12.8	Counted	Automatic	S	0	13	898	18	347	53	10	9	4	8	48	131	1407
80363	2017	3	44	A83	Major	A8015	A816	184950	680000	55.96471	-5.44721	20.6	12.8	Counted	Automatic	S	0	12	928	19	342	53	10	9	4	8	49	133	1433
80363	2017	3	44	A83	Major	A8015	A816	184950	680000	55.96471	-5.44721	20.6	12.8	Counted	Automatic	N	7	7	964	15	332	57	14	9	6	17	28	130	1448
80363	2016	3	44	A83	Major	A8015	A816	184950	680000	55.96471	-5.44721	20.6	12.8	Estimated	Estimated	S	0	12	884	18	305	49	9	8	3	8	45	122	1340
80363	2016	3	44	A83	Major	A8015	A816	184950	680000	55.96471	-5.44721	20.6	12.8	Estimated	Estimated	N	6	6	904	13	292	51	13	8	5	16	25	118	1334
80363	2015	3	44	A83	Major	A8015	A816	184950	680000	55.96471	-5.44721	20.6	12.8	Estimated	Estimated	S	0	11	858	17	283	46	9	7	3	8	43	117	1286
80363	2015	3	44	A83	Major	A8015	A816	184950	680000	55.96471	-5.44721	20.6	12.8	Estimated	Estimated	N	5	6	877	13	271	48	14	7	5	16	24	114	1281
80363	2014	3	44	A83	Major	A8015	A816	184950	680000	55.96471	-5.44721	20.6	12.8	Estimated	Estimated	N	5	6	864	12	255	46	12	7	4	16	24	109	1247
80363	2014	3	44	A83	Major	A8015	A816	184950	680000	55.96471	-5.44721	20.6	12.8	Estimated	Estimated	S	0	12	845	16	266	44	8	7	3	8	43	113	1252
80363	2013	3	44	A83	Major	A8015	A816	184950	680000	55.96471	-5.44721	20.6	12.8	Estimated	Estimated	N	6	6	854	12	234	46	11	6	4	17	22	105	1211
80363	2013	3	44	A83	Major	A8015	A816	184950	680000	55.96471	-5.44721	20.6	12.8	Estimated	Estimated	S	0	11	835	16	245	44	8	6	3	8	39	107	1214
80363	2012	3	44	A83	Major	A8015	A816	184950	680000	55.96471	-5.44721	20.6	12.8	Estimated	Estimated	N	7	6	851	11	218	47	10	5	5	16	19	102	1188
80363	2012	3	44	A83	Major	A8015	A816	184950	680000	55.96471	-5.44721	20.6	12.8	Estimated	Estimated	S	0	10	832	15	228	45	7	5	3	8	34	103	1188
80363	2011	3	44	A83	Major	A8015	A816	184950	680000	55.96471	-5.44721	20.6	12.8	Estimated	Estimated	N	7	6	867	10	226	48	10	5	6	16	18	103	1212
80363	2011	3	44	A83	Major	A8015	A816	184950	680000	55.96471	-5.44721	20.6	12.8	Estimated	Estimated	S	0	11	848	13	236	46	7	5	4	8	32	102	1210
80363	2010	3	44	A83	Major	A8015	A816	184950	680000	55.96471	-5.44721	20.6	12.8	Estimated	Estimated	N	8	6	873	10	215	48	9	4	8	16	16	101	1205
80363	2010	3	44	A83	Major	A8015	A816	184950	680000	55.96471	-5.44721	20.6	12.8	Estimated	Estimated	S	0	11	854	13	225	46	6	4	5	8	29	98	1201
80363	2009	3	44	A83	Major	A8015	A816	184950	680000	55.96471	-5.44721	20.6	12.8	Estimated	Estimated	N	8	7	907	9	210	47	9	5	7	17	16	101	1234
80363	2009	3	44	A83	Major	A8015	A816	184950	680000	55.96471	-5.44721	20.6	12.8	Estimated	Estimated	S	0	12	887	11	219	45	6	5	4	9	30	99	1228
80363	2008	3	44	A83	Major	A8015	A816	184950	680000	55.96471	-5.44721	20.6	12.8	Estimated	Estimated	N	7	7	902	9	195	47	8	5	7	19	16	102	1215
80363	2008	3	44	A83	Major	A8015	A816	184950	680000	55.96471	-5.44721	20.6	12.8	Estimated	Estimated	S	0	11	882	11	203	45	6	5	4	10	30	100	1207
80363	2007	3	44	A83	Major	A8015	A816	184950	680000	55.96471	-5.44721	20.6	12.8	Counted	Manual	coN	7	6	918	8	187	48	7	5	7	20	15	102	1221
80363	2007	3	44	A83	Major	A8015	A816	184950	680000	55.96471	-5.44721	20.6	12.8	Counted	Manual	coS	0	11	897	11	194	46	6	5	4	11	29	101	1214
80363	2006	3	44	A83	Major	A8015	A816	184950	680000	55.96471	-5.44721	20.6	12.8	Estimated	Estimated	N	1	31	964	9	209	44	17	29	4	10	27	131	1344
80363	2006	3	44	A83	Major	A8015	A816	184950	680000	55.96471	-5.44721	20.6	12.8	Estimated	Estimated	S	0	16	940	8	202	43	15	24	2	8	31	123	1289
80363	2005	3	44	A83	Major	A8015	A816	184950	680000	55.96471	-5.44721	20.6	12.8	Estimated	Estimated	N	1	29	954	9	197	43	17	27	4	10	24	125	1314
80363	2005	3	44	A83	Major	A8015	A816	184950	680000	55.96471	-5.44721	20.6	12.8	Estimated	Estimated	S	0	15	930	8	191	42	15	22	2	9	28	118	1262
80363	2004	3	44	A83	Major	A8015	A816	184950	680000	55.96471	-5.44721	20.6	12.8	Estimated	Estimated	N	1	32	965	11	181	40	16	24	4	12	23	119	1308
80363	2004	3	44	A83	Major	A8015	A816	184950	680000	55.96471	-5.44721	20.6	12.8	Estimated	Estimated	S	0	17	941	9	175	39	14	20	3	10	26	112	1254
80363	2003	3	44	A83	Major	A8015	A816	184950	680000	55.96471	-5.44721	20.6	12.8	Estimated	Estimated	N	1	30	949	13	184	42	16	23	5	14	22	122	1298
80363	2003	3	44	A83	Major	A8015	A816	184950	680000	55.96471	-5.44721	20.6	12.8	Estimated	Estimated	S	0	15	925	11	179	41	14	19	3	12	25	114	1244
80363	2002	3	44	A83	Major	A8015	A816	184950	680000	55.96471	-5.44721	20.6	12.8	Estimated	Estimated	N	1	23	915	13	169	44	16	22	5	16	20	123	1243
80363	2002	3	44	A83	Major	A8015	A816	184950	680000	55.96471	-5.44721	20.6	12.8	Estimated	Estimated	S	0	12	892	11	164	43	14	18	3	14	23	115	1194
80363	2001	3	44	A83	Major	A8015	A816	184950	680000	55.96471	-5.44721	20.6	12.8	Counted	Manual	coN	1	19	878	13	163	43	15	20	5	18	17	118	1191
80363	2001	3	44	A83	Major	A8015	A816	184950	680000	55.96471	-5.44721	20.6	12.8	Counted	Manual	coS	0	10	856	11	158	42	13	16	3	15	20	109	1144
80363	2000	3	44	A83	Major	A8015	A816	184950	680000	55.96471	-5.44721	20.6	12.8	Estimated	Estimated	C	4	13	1705	15	378	28	29	12	20	25	8	122	2233

count_poi	year	region_id	local_auth	road_name	road_type	start_junc	end_junc	easting	northing	latitude	longitude	link_length	link_length	estimator	estimator	direction	pedal_cycl	two_whee	cars_and_buses	ancilgvs	hgvs_2_rig	hgvs_3_rig	hgvs_4_or	hgvs_3_or	hgvs_5_ar	hgvs_6_ar	all_hgvs	all_motor
20772	2018	3	44 A83	Major	A816	Cossack St	186000	688000	56.03693	-5.43679	0.9	0.56	Estimated	Estimated	E	28	39	2942	48	673	89	20	32	6	14	22	182	3883
20772	2018	3	44 A83	Major	A816	Cossack St	186000	688000	56.03693	-5.43679	0.9	0.56	Estimated	Estimated	W	31	47	2638	47	600	108	17	32	5	8	42	213	3545
20772	2017	3	44 A83	Major	A816	Cossack St	186000	688000	56.03693	-5.43679	0.9	0.56	Estimated	Estimated	E	27	37	2952	50	642	87	20	31	6	14	22	179	3860
20772	2017	3	44 A83	Major	A816	Cossack St	186000	688000	56.03693	-5.43679	0.9	0.56	Estimated	Estimated	W	30	45	2647	48	573	106	17	31	5	8	42	209	3522
20772	2016	3	44 A83	Major	A816	Cossack St	186000	688000	56.03693	-5.43679	0.9	0.56	Estimated	Estimated	W	32	44	2648	47	538	101	17	29	5	8	41	201	3478
20772	2016	3	44 A83	Major	A816	Cossack St	186000	688000	56.03693	-5.43679	0.9	0.56	Estimated	Estimated	E	30	37	2953	49	603	84	19	29	6	14	21	172	3813
20772	2015	3	44 A83	Major	A816	Cossack St	186000	688000	56.03693	-5.43679	0.9	0.56	Estimated	Estimated	E	25	35	2867	48	558	79	20	25	5	14	20	164	3672
20772	2015	3	44 A83	Major	A816	Cossack St	186000	688000	56.03693	-5.43679	0.9	0.56	Estimated	Estimated	W	27	43	2571	46	498	95	17	25	5	9	39	190	3349
20772	2014	3	44 A83	Major	A816	Cossack St	186000	688000	56.03693	-5.43679	0.9	0.56	Estimated	Estimated	E	25	36	2777	44	511	76	18	24	4	14	20	156	3524
20772	2014	3	44 A83	Major	A816	Cossack St	186000	688000	56.03693	-5.43679	0.9	0.56	Estimated	Estimated	W	27	43	2490	43	456	92	15	24	4	8	38	182	3215
20772	2013	3	44 A83	Major	A816	Cossack St	186000	688000	56.03693	-5.43679	0.9	0.56	Estimated	Estimated	E	31	32	2742	42	485	77	17	23	4	15	18	155	3456
20772	2013	3	44 A83	Major	A816	Cossack St	186000	688000	56.03693	-5.43679	0.9	0.56	Estimated	Estimated	W	34	39	2459	41	432	94	15	23	4	9	35	180	3151
20772	2012	3	44 A83	Major	A816	Cossack St	186000	688000	56.03693	-5.43679	0.9	0.56	Estimated	Estimated	E	32	31	2742	39	466	79	16	21	5	15	17	153	3431
20772	2012	3	44 A83	Major	A816	Cossack St	186000	688000	56.03693	-5.43679	0.9	0.56	Estimated	Estimated	W	35	37	2459	38	416	95	14	21	5	9	33	177	3127
20772	2011	3	44 A83	Major	A816	Cossack St	186000	688000	56.03693	-5.43679	0.9	0.56	Estimated	Estimated	E	34	33	2743	37	445	80	15	19	7	15	16	152	3410
20772	2011	3	44 A83	Major	A816	Cossack St	186000	688000	56.03693	-5.43679	0.9	0.56	Estimated	Estimated	W	37	40	2460	36	397	97	13	19	6	9	31	175	3108
20772	2010	3	44 A83	Major	A816	Cossack St	186000	688000	56.03693	-5.43679	0.9	0.56	Estimated	Estimated	E	39	31	2721	41	410	81	14	17	9	15	15	151	3354
20772	2010	3	44 A83	Major	A816	Cossack St	186000	688000	56.03693	-5.43679	0.9	0.56	Estimated	Estimated	W	42	38	2440	40	366	98	12	17	8	9	30	174	3058
20772	2009	3	44 A83	Major	A816	Cossack St	186000	688000	56.03693	-5.43679	0.9	0.56	Counted	Manual co	E	38	34	2788	39	400	79	14	20	8	16	15	152	3413
20772	2009	3	44 A83	Major	A816	Cossack St	186000	688000	56.03693	-5.43679	0.9	0.56	Counted	Manual co	W	41	41	2500	38	357	96	12	20	7	9	29	173	3109
20772	2008	3	44 A83	Major	A816	Cossack St	186000	688000	56.03693	-5.43679	0.9	0.56	Estimated	Estimated	E	23	23	3041	41	532	115	24	31	10	12	25	217	3854
20772	2008	3	44 A83	Major	A816	Cossack St	186000	688000	56.03693	-5.43679	0.9	0.56	Estimated	Estimated	W	20	11	2521	38	443	97	19	28	8	15	24	191	3204
20772	2007	3	44 A83	Major	A816	Cossack St	186000	688000	56.03693	-5.43679	0.9	0.56	Estimated	Estimated	E	23	25	3103	40	521	117	21	30	11	13	25	217	3906
20772	2007	3	44 A83	Major	A816	Cossack St	186000	688000	56.03693	-5.43679	0.9	0.56	Estimated	Estimated	W	20	13	2573	37	434	98	17	26	9	16	23	189	3246
20772	2006	3	44 A83	Major	A816	Cossack St	186000	688000	56.03693	-5.43679	0.9	0.56	Estimated	Estimated	E	23	24	3122	38	473	116	21	27	12	13	23	212	3869
20772	2006	3	44 A83	Major	A816	Cossack St	186000	688000	56.03693	-5.43679	0.9	0.56	Estimated	Estimated	W	20	12	2588	35	394	98	17	24	10	16	22	187	3216
20772	2005	3	44 A83	Major	A816	Cossack St	186000	688000	56.03693	-5.43679	0.9	0.56	Counted	Manual co	E	24	25	3031	38	450	110	21	24	13	14	22	204	3748
20772	2005	3	44 A83	Major	A816	Cossack St	186000	688000	56.03693	-5.43679	0.9	0.56	Counted	Manual co	W	21	12	2513	35	374	93	16	22	11	19	21	182	3116
20772	2004	3	44 A83	Major	A816	Cossack St	186000	688000	56.03693	-5.43679	0.9	0.56	Estimated	Estimated	C	60	9	6217	112	1243	47	25	25	13	7	24	141	7722
20772	2003	3	44 A83	Major	A816	Cossack St	186000	688000	56.03693	-5.43679	0.9	0.56	Estimated	Estimated	C	61	10	6149	174	1168	46	23	23	14	8	23	137	7638
20772	2002	3	44 A83	Major	A816	Cossack St	186000	688000	56.03693	-5.43679	0.9	0.56	Estimated	Estimated	C	73	10	5953	90	1118	49	23	22	15	9	21	139	7310
20772	2001	3	44 A83	Major	A816	Cossack St	186000	688000	56.03693	-5.43679	0.9	0.56	Estimated	Estimated	C	68	9	5702	114	990	47	21	20	16	10	19	133	6948
20772	2000	3	44 A83	Major	A816	Cossack St	186000	688000	56.03693	-5.43679	0.9	0.56	Estimated	Estimated	C	77	8	5696	114	954	46	18	19	17	11	16	127	6899