

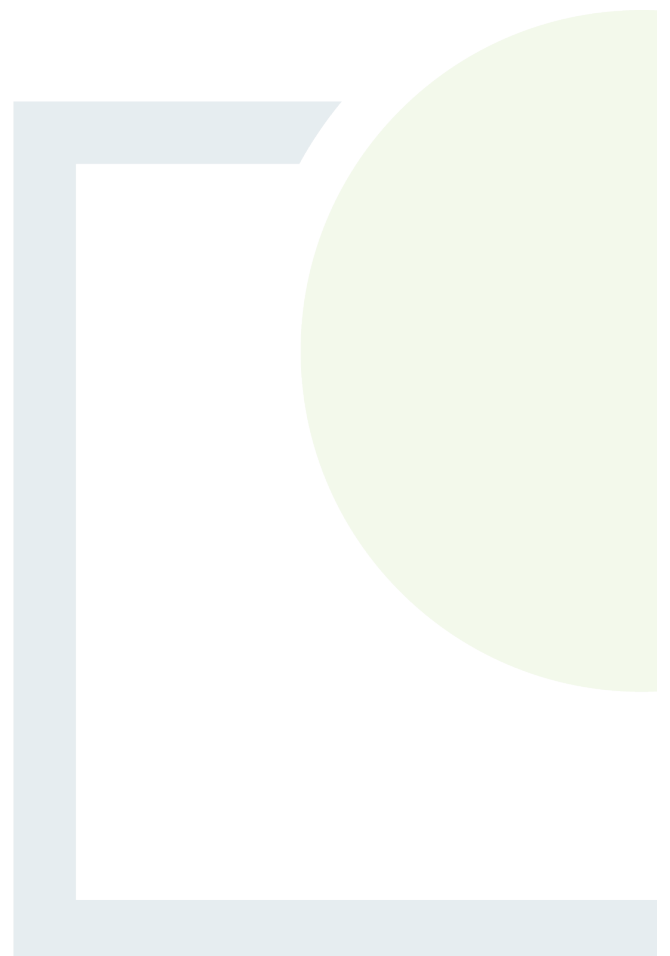


**FEHILY
TIMONEY**

**CONSULTANTS IN ENGINEERING,
ENVIRONMENTAL SCIENCE
& PLANNING**

Appendix 13.1

Automatic Traffic Count
Survey Results



TRAFFINOMICS LIMITED

**BALLINAGREE WIND FARM EIAR TRAFFIC COUNT/SPEED SURVEYS
AUTOMATIC TRAFFIC COUNTS**

SUMMARY

WEEK COMMENCING:

**Tuesday 20 April 2021
TRA/21/044**

SITE 01

LOCATION: R583 Between Millstreet and N72 (Google Maps Ref: 52.068818, -9.047304)

SPEED SURVEY SUMMARY:

NORTHBOUND 85% Speed = 79.22 km/h, 95% Speed = 86.76 km/h, Median = 67.95 km/h Maximum = 126.6 km/h, Minimum = 9.0 km/h, Mean = 68.5 km/h

SOUTHBOUND 85% Speed = 78.48 km/h, 95% Speed = 86.49 km/h, Median = 66.78 km/h Maximum = 122.3 km/h, Minimum = 3.8 km/h, Mean = 67.0 km/h

VOLUMETRIC VEHICLE COUNTS:

Direction	Time	Tuesday 20 April 2021	Wednesday 21 April 2021	Thursday 22 April 2021	Friday 23 April 2021	Saturday 24 April 2021	Sunday 25 April 2021	Monday 26 April 2021	No. Vehicles	7 day Mean
NORTHBOUND	07-19	1574	1646	1706	1785	1470	1178	1698	11057	1580
SOUTHBOUND	07-19	1619	1670	1756	1788	1523	1254	1686	11296	1614
NORTHBOUND	00-00	1903	2018	2088	2184	1801	1509	2048	13551	1936
SOUTHBOUND	00-00	1959	2041	2143	2235	1832	1523	2044	13777	1968

PEAK FLOW SUMMARY:

Peak	AM	IP	PM
Most Frequent Peak Hour	0800	1400	1600
Average Vehicles per Peak Hour	117	138	199

TRAFFINOMICS LIMITED

**BALLINAGREE WIND FARM EIAR TRAFFIC COUNT/SPEED SURVEYS
AUTOMATIC TRAFFIC COUNTS**

SUMMARY

WEEK COMMENCING:

**Tuesday 20 April 2021
TRA/21/044**

SITE 02

LOCATION: L2758/L1123 Butter Road (Google Maps Ref: 52.036738, -8.996028)

SPEED SURVEY SUMMARY:

NORTHBOUND	85% Speed = 88.47 km/h, 95% Speed = 96.57 km/h, Median = 70.92 km/h	Maximum = 128.4 km/h, Minimum = 12.3 km/h, Mean = 69.9 km/h
SOUTHBOUND	85% Speed = 82.80 km/h, 95% Speed = 93.58 km/h, Median = 66.06 km/h	Maximum = 119.8 km/h, Minimum = 8.6 km/h, Mean = 65.7 km/h

VOLUMETRIC VEHICLE COUNTS:

Direction	Time	Tuesday 20 April 2021	Wednesday 21 April 2021	Thursday 22 April 2021	Friday 23 April 2021	Saturday 24 April 2021	Sunday 25 April 2021	Monday 26 April 2021	No. Vehicles	7 day Mean
NORTHBOUND	07-19	290	299	286	311	288	258	312	2044	292
SOUTHBOUND	07-19	264	275	274	314	263	291	282	1963	280
NORTHBOUND	00-00	337	360	355	383	346	326	371	2478	354
SOUTHBOUND	00-00	317	349	337	395	328	351	352	2429	347

PEAK FLOW SUMMARY:

Peak	AM	IP	PM
Most Frequent Peak Hour	0800	1200	1700
Average Vehicles per Peak Hour	26	25	46

TRAFFINOMICS LIMITED

**BALLINAGREE WIND FARM EIAR TRAFFIC COUNT/SPEED SURVEYS
AUTOMATIC TRAFFIC COUNTS**

SUMMARY

WEEK COMMENCING:

**Tuesday 20 April 2021
TRA/21/044**

SITE 03

LOCATION: Un-named Local Road at Ballinagree Upper (Google Maps Ref: 52.013065, -8.948414)

SPEED SURVEY SUMMARY:

NORTHBOUND	85% Speed = 56.25 km/h, 95% Speed = 60.12 km/h, Median = 43.11 km/h	Maximum = 77.2 km/h, Minimum = 0.0 km/h, Mean = 41.8 km/h
SOUTHBOUND	85% Speed = 51.99 km/h, 95% Speed = 61.02 km/h, Median = 38.97 km/h	Maximum = 62.0 km/h, Minimum = 13.4 km/h, Mean = 38.9 km/h

VOLUMETRIC VEHICLE COUNTS:

Direction	Time	Tuesday 20 April 2021	Wednesday 21 April 2021	Thursday 22 April 2021	Friday 23 April 2021	Saturday 24 April 2021	Sunday 25 April 2021	Monday 26 April 2021	No. Vehicles	7 day Mean
NORTHBOUND	07-19	4	10	5	4	7	18	6	54	8
SOUTHBOUND	07-19	2	7	5	8	7	9	3	41	6
NORTHBOUND	00-00	6	13	6	7	8	21	7	68	10
SOUTHBOUND	00-00	4	10	6	10	8	10	5	53	8

PEAK FLOW SUMMARY:

Peak	AM	IP	PM
Most Frequent Peak Hour	0700	1300	1600
Average Vehicles per Peak Hour	0	2	2

TRAFFINOMICS LIMITED

**BALLINAGREE WIND FARM EIAR TRAFFIC COUNT/SPEED SURVEYS
AUTOMATIC TRAFFIC COUNTS**

SUMMARY

WEEK COMMENCING:

**Tuesday 20 April 2021
TRA/21/044**

SITE 04

LOCATION: Un-named Local Road at Rahilisk (Google Maps Ref: 51.975556, -8.948255)

SPEED SURVEY SUMMARY:

NORTHBOUND	85% Speed = 86.31 km/h, 95% Speed = 92.84 km/h, Median = 73.89 km/h	Maximum = 123.7 km/h, Minimum = 10.6 km/h, Mean = 72.8 km/h
SOUTHBOUND	85% Speed = 88.22 km/h, 95% Speed = 97.96 km/h, Median = 74.61 km/h	Maximum = 122.0 km/h, Minimum = 0.0 km/h, Mean = 74.0 km/h

VOLUMETRIC VEHICLE COUNTS:

Direction	Time	Tuesday 20 April 2021	Wednesday 21 April 2021	Thursday 22 April 2021	Friday 23 April 2021	Saturday 24 April 2021	Sunday 25 April 2021	Monday 26 April 2021	No. Vehicles	7 day Mean
NORTHBOUND	07-19	272	239	244	254	213	257	215	1694	242
SOUTHBOUND	07-19	244	225	225	234	223	278	213	1642	235
NORTHBOUND	00-00	311	288	299	320	261	326	258	2063	295
SOUTHBOUND	00-00	284	280	276	303	265	322	265	1995	285

PEAK FLOW SUMMARY:

Peak	AM	IP	PM
Most Frequent Peak Hour	0900	1400	1700
Average Vehicles per Peak Hour	17	22	38

SITE 05

LOCATION: Local Road between Ballinagree and Macroom (Google Maps Ref: 51.959847, -8.947652)

SPEED SURVEY SUMMARY:

NORTHBOUND	85% Speed = 84.72 km/h, 95% Speed = 93.06 km/h, Median = 72.36 km/h	Maximum = 128.1 km/h, Minimum = 12.5 km/h, Mean = 71.7 km/h
SOUTHBOUND	85% Speed = 87.84 km/h, 95% Speed = 97.22 km/h, Median = 74.52 km/h	Maximum = 133.6 km/h, Minimum = 0.0 km/h, Mean = 73.9 km/h

VOLUMETRIC VEHICLE COUNTS:

Direction	Time	Tuesday 20 April 2021	Wednesday 21 April 2021	Thursday 22 April 2021	Friday 23 April 2021	Saturday 24 April 2021	Sunday 25 April 2021	Monday 26 April 2021	No. Vehicles	7 day Mean
NORTHBOUND	07-19	428	413	407	470	414	395	376	2903	415
SOUTHBOUND	07-19	437	428	431	479	425	435	413	3048	435
NORTHBOUND	00-00	511	516	515	592	511	503	479	3627	518
SOUTHBOUND	00-00	518	534	534	580	501	507	509	3683	526

PEAK FLOW SUMMARY:

Peak	AM	IP	PM
Most Frequent Peak Hour	0900	1200	1700
Average Vehicles per Peak Hour	28	44	57

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**BALLINAGREE WIND FARM EIAR TRAFFIC COUNT/SPEED SURVEYS
AUTOMATIC TRAFFIC COUNTS**

SUMMARY

WEEK COMMENCING:

Tuesday 20 April 2021

TRA/21/044

SITE 06

LOCATION: Un-named Road @ Kilberrihert before Clasavoon Sub-station (Google Maps Ref: 51.941201, -8.918116)

SPEED SURVEY SUMMARY:

NORTHBOUND 85% Speed = 84.72 km/h, 95% Speed = 93.06 km/h, Median = 72.36 km/h Maximum = 128.1 km/h, Minimum = 12.5 km/h, Mean = 71.7 km/h

SOUTHBOUND 85% Speed = 64.08 km/h, 95% Speed = 71.98 km/h, Median = 52.83 km/h Maximum = 101.0 km/h, Minimum = 0.0 km/h, Mean = 51.3 km/h

VOLUMETRIC VEHICLE COUNTS:

Direction	Time	Tuesday 20 April 2021	Wednesday 21 April 2021	Thursday 22 April 2021	Friday 23 April 2021	Saturday 24 April 2021	Sunday 25 April 2021	Monday 26 April 2021	No. Vehicles	7 day Mean
NORTHBOUND	07-19	53	40	52	45	27	40	46	303	43
SOUTHBOUND	07-19	56	43	52	61	37	43	50	342	49
NORTHBOUND	00-00	63	47	64	55	36	55	59	379	54
SOUTHBOUND	00-00	65	53	61	72	50	53	64	418	60

PEAK FLOW SUMMARY:

Peak	AM	IP	PM
Most Frequent Peak Hour	0700	1300	1600
Average Vehicles per Peak Hour	4	5	7