



APPENDIX 14-1

TRAFFIC COUNT LOCATION DATA

TRAFFINOMICS LIMITED

BALLYDERMOT WIND FARM TRAFFIC COUNT/SPEED SURVEYS
AUTOMATIC TRAFFIC COUNTS

SUMMARY

WEEK COMMENCING: Friday 17 October 2025
TRA/25/168SITE 04
KildareLOCATION: Bord Na Mona Ballydermot/Access 8, (Google Maps Ref: 53.240338, -7.010771)
TII Mid-East Region

VOLUMETRIC VEHICLE COUNTS:

Direction	Time	Friday 17 October 2025	Saturday 18 October 2025	Sunday 19 October 2025	Monday 20 October 2025	Tuesday 21 October 2025	Wednesday 22 October 2025	Thursday 23 October 2025	No. Vehicles	7 day Mean
NORTHBOUND	07-19	963	806	641	824	862	924	926	5946	849
SOUTHBOUND	07-19	782	671	556	717	775	753	721	4975	711
NORTHBOUND	00-00	1144	960	750	956	1014	1081	1081	6986	998
SOUTHBOUND	00-00	961	754	661	870	927	909	881	5973	853

Weekday Totals 3850 3367 3578 3667 3609

WADT Factor (to convert daily
movements into WADT) 0.89 1 0.97 0.95 0.94
WADTs 3426.5 3367 3470.66 3483.65 3392.46WADT to AADT calc
Month factor (October - to convert
WADT to AADT) 0.99 0.99 0.99 0.99 0.99
Resulting AADTs 3392 3333 3436 3449 3359

Total AADT (average - 5 day period) 3394

TRAFFIC TYPE SUMMARY:

Traffic Breakdown	Car/LGV	HGV/OGV
Total (Tuesday)	7288	73

WADT Factor (to convert daily
movements into WADT)
Tuesday selected) 0.97 0.97
WADTs 7069.36 70.81WADT to AADT
Month factor (October - to convert
WADT to AADT) 0.99 0.99
Resulting AADTs 6999 70Tuesday 21 October
TRA/25/168SITE 04
NORTHBOUND

TIME	CAR	LGV	OGV 1	OGV 2	TOTAL
0000	1	0	0	0	1
0100	0	0	0	0	0
0200	0	0	0	0	0
0300	1	0	0	0	1
0400	0	2	0	0	2
0500	8	2	0	0	10
0600	18	7	1	0	26
0700	49	13	2	0	64
0800	62	23	2	0	87
0900	46	14	1	1	62
1000	29	12	0	0	41
1100	29	5	1	0	35
1200	44	8	1	0	54
1300	32	9	1	0	42
1400	37	17	1	0	55
1500	57	18	1	2	78
1600	100	28	0	0	128
1700	116	18	0	0	134
1800	68	14	0	0	82
1900	40	3	1	0	44
2000	27	6	0	0	33
2100	17	1	0	0	18
2200	10	2	0	0	12
2300	3	1	0	0	5
07-19	669	179	10	3	862
06-22	771	196	12	3	983
06-00	784	199	12	3	1000
00-00	794	203	12	3	1014

SITE 04
SOUTHBOUND

TIME	CAR	LGV	OGV 1	OGV 2	TOTAL
0000	2	1	0	0	3
0100	0	0	0	0	0
0200	0	0	0	0	0
0300	0	0	0	0	0
0400	2	0	0	0	2
0500	11	2	0	0	13
0600	47	16	1	0	64
0700	74	19	0	0	93
0800	93	16	0	0	109
0900	49	8	0	0	57
1000	48	13	0	0	61
1100	44	3	0	0	47
1200	36	6	0	0	42
1300	42	9	0	0	51
1400	45	9	1	0	55
1500	36	11	1	1	49
1600	64	15	0	0	79
1700	72	6	0	0	79
1800	50	3	0	0	53
1900	30	0	0	0	30
2000	17	3	0	0	20
2100	12	0	0	0	12
2200	4	0	0	0	4
2300	3	1	0	0	4
07-19	653	118	2	1	775
06-22	759	137	3	1	901
06-00	766	138	3	1	909
00-00	781	141	3	1	927

TRAFFINOMICS LIMITED

BALLYDERMOT WIND FARM TRAFFIC COUNT/SPEED SURVEYS
AUTOMATIC TRAFFIC COUNTS

SUMMARY

WEEK COMMENCING: Friday 17 October 2025
TRA/25/168

SITE 01
Offaly

LOCATION: R401 Clonreen 110KV WF Sub-Station/Access 1, (Google Maps Ref: 53.295717, -7.087602)
TII Midlands Region

VOLUMETRIC VEHICLE COUNTS:

Direction	Time	Friday 17 October 2025	Saturday 18 October 2025	Sunday 19 October 2025	Monday 20 October 2025	Tuesday 21 October 2025	Wednesday 22 October 2025	Thursday 23 October 2025	No. Vehicles	7 day Mean
NORTHBOUND	07-19	968	764	524	700	942	971	961	5830	833
SOUTHBOUND	07-19	1097	893	609	728	1011	1091	1093	6522	932
NORTHBOUND	00-00	1178	898	651	856	1104	1156	1163	7006	1001
SOUTHBOUND	00-00	1337	1063	742	948	1235	1350	1322	7997	1142

Weekday Totals 4580 3232 4292 4568 4539

WADT Factor (to convert daily
movements into WADT) 0.86 1.01 1 0.97 0.96

WADTs 3938.8 3264.32 4292 4430.96 4357.44

WADT to AADT (below)

Month factor (October - to convert

WADT to AADT) 0.98 0.98 0.98 0.98 0.98

Resulting AADTs 3860 3199 4206 4342 4270

Total AADT (average - 5 day period)

3976

TRAFFIC TYPE SUMMARY:

Traffic Breakdown	Car/LGV	HGV/OGV
Total (Tuesday)	7615	1144

WADT Factor (to convert daily
movements into WADT)

Tuesday selected) 1 1

WADTs 7615 1144

WADT to AADT

Month factor (October - to convert

WADT to AADT) 0.98 0.98

Resulting AADTs 7463 1121

Tuesday 21 October 2025

TRA/25/168

SITE 01

NORTHBOUND

TIME	CAR	LGV	OGV 1	OGV 2	TOTAL
0000	1	1	0	0	2
0100	1	0	0	0	1
0200	2	1	0	1	4
0300	4	0	0	0	4
0400	2	3	0	0	5
0500	16	3	0	3	22
0600	20	15	2	7	45
0700	53	11	5	10	79
0800	81	13	2	7	104
0900	49	16	1	11	77
1000	32	9	0	13	55
1100	27	9	3	9	48
1200	39	11	2	10	63
1300	51	7	2	14	75
1400	45	15	1	6	67
1500	53	16	2	12	84
1600	77	26	1	9	113
1700	82	13	0	9	104
1800	58	11	0	4	73
1900	31	5	0	1	37
2000	16	5	1	0	22
2100	13	1	0	0	14
2200	5	0	0	0	5
2300	1	0	0	0	1
07-19	647	157	19	114	942
06-22	727	183	22	122	1060
06-00	733	183	22	122	1066
00-00	759	191	22	126	1104

SITE 01

SOUTHBOUND

TIME	CAR	LGV	OGV 1	OGV 2	TOTAL
0000	3	1	0	0	4
0100	0	0	0	1	1
0200	2	0	0	0	2
0300	0	0	0	1	1
0400	2	1	0	0	4
0500	13	6	0	4	23
0600	36	13	7	11	69
0700	74	24	0	8	106
0800	65	21	2	10	98
0900	48	20	1	13	82
1000	45	6	1	9	62
1100	36	15	2	9	62
1200	47	9	0	10	66
1300	51	7	3	8	70
1400	52	8	1	12	74
1500	70	20	1	10	101
1600	61	11	5	14	91
1700	85	21	0	5	111
1800	75	12	1	0	88
1900	53	5	0	1	59
2000	21	4	0	2	27
2100	14	1	0	2	17
2200	7	4	0	0	11
2300	5	1	0	0	6
07-19	709	174	17	108	1011
06-22	833	197	24	124	1183
06-00	845	202	24	124	1200
00-00	865	210	24	130	1235

TRAFFINOMICS LIMITED

BALLYDERMOT WIND FARM TRAFFIC COUNT/SPEED SURVEYS
AUTOMATIC TRAFFIC COUNTS

SUMMARY

WEEK COMMENCING:

Friday 17 October 2025
TRA/25/168

SITE 07

Kildare

LOCATION: R414 Lodge Bog Access/Access 5, (Google Maps Ref: 53.281824, -6.919470)
TII Mid-East Region

VOLUMETRIC VEHICLE COUNTS:

Direction	Time	Friday 17 October 2025	Saturday 18 October 2025	Sunday 19 October 2025	Monday 20 October 2025	Tuesday 21 October 2025	Wednesday 22 October 2025	Thursday 23 October 2025	No. Vehicles	7 day Mean
EASTBOUND	07-19	482	466	316	425	441	422	461	3013	430
WESTBOUND	07-19	470	487	333	479	453	436	472	3130	447
EASTBOUND	00-00	592	525	370	514	518	511	568	3598	514
WESTBOUND	00-00	572	557	385	548	527	541	584	3714	531

Weekday Totals 2116 1966 1939 1910 2085

WADT Factor (to convert daily
movements into WADT) 0.89 1 0.97 0.95 0.94
WADTs 1883.24 1966 1880.83 1814.5 1959.9

WADT to AADT (below)

Month factor (October - to convert
WADT to AADT) 0.99 0.99 0.99 0.99 0.99
Resulting AADTs 1864.408 1946.34 1862.022 1796.355 1940.301

**Total AADT (average - 5 day
period)** 1882

TRAFFIC TYPE SUMMARY:

Traffic Breakdown	Car/LGV	HGV/OGV
Total (Tuesday)	3835	131

WADT Factor (to convert daily
movements into WADT)
Tuesday selected) 0.97 0.97
WADTs 3719.95 127.07

WADT to AADT

Month factor (October - to convert
WADT to AADT) 0.99 0.99
Resulting AADTs 3683 126

**Tuesday 21 October
2025
TRA/25/168**

SITE 07
EASTBOUND

TIME	CAR	LGV	OGV 1	OGV 2	TOTAL
0000	0	0	0	0	0
0100	0	0	0	0	0
0200	1	0	0	0	1
0300	0	0	0	0	0
0400	0	0	0	0	0
0500	8	2	0	0	10
0600	20	4	1	0	26
0700	58	7	0	0	65
0800	54	5	0	1	60
0900	22	4	0	3	29
1000	26	5	2	1	34
1100	12	2	0	2	16
1200	14	8	0	0	22
1300	14	6	1	0	22
1400	28	5	2	0	36
1500	18	11	0	1	30
1600	38	10	1	0	49
1700	41	5	1	0	47
1800	28	3	0	0	31
1900	12	0	0	0	12
2000	18	0	1	0	19
2100	4	0	0	0	4
2200	2	0	0	0	2
2300	2	1	0	0	3
07-19	353	71	7	8	441
06-22	407	75	9	8	502
06-00	411	76	9	8	507
00-00	420	78	9	8	518

SITE 07
WESTBOUND

TIME	CAR	LGV	OGV 1	OGV 2	TOTAL
0000	0	0	0	0	0
0100	0	0	0	0	0
0200	0	0	0	0	0
0300	0	0	0	0	0
0400	0	0	0	0	0
0500	1	1	0	0	2
0600	7	0	0	0	7
0700	34	11	1	0	46
0800	18	4	0	0	22
0900	20	7	1	0	28
1000	19	5	2	1	28
1100	15	4	2	1	23
1200	28	11	1	0	40
1300	26	3	0	0	29
1400	17	8	1	0	26
1500	24	7	1	0	32
1600	44	16	1	0	61
1700	60	8	2	1	71
1800	42	4	0	0	47
1900	23	2	0	0	25
2000	21	0	0	0	21
2100	9	0	1	0	10
2200	4	2	0	1	7
2300	2	0	0	0	2
07-19	347	88	12	3	453
06-22	407	90	13	3	516
06-00	413	92	13	4	525
00-00	414	93	13	4	527

TRAFFINOMICS LIMITED

BALLYDERMOT WIND FARM TRAFFIC COUNT/SPEED SURVEYS
AUTOMATIC TRAFFIC COUNTS

SUMMARY

WEEK COMMENCING:

Friday 17 October 2025
TRA/25/168

SITE 20
Kildare

LOCATION R401 Between Edenderry & Kinnegad, (Google Maps Ref: 53.391473, -7.037954)
TII Mid-East Region

VOLUMETRIC VEHICLE COUNTS:

Direction	Time	Friday 17 October 2025	Saturday 18 October 2025	Sunday 19 October 2025	Monday 20 October 2025	Tuesday 21 October 2025	Wednesday 22 October 2025	Thursday 23 October 2025	No. Vehicles	7 day Mean
NORTHBOUND	07-19	1016	905	645	872	958	986	980	6362	909
SOUTHBOUND	07-19	1082	948	725	955	970	1005	1060	6745	964
NORTHBOUND	00-00	1269	1084	799	1065	1175	1212	1232	7836	1119
SOUTHBOUND	00-00	1307	1143	867	1140	1164	1232	1252	8105	1158

Weekday Totals 4674 4080 3036 4032 4267 4435 4524

WADT Factor (to convert daily
movements into WADT) 0.89 1.12 1.19 1 0.97 0.95 0.94
WADTs 4159.86 4569.6 3612.84 4032 4138.99 4213.25 4252.56

WADT to AADT (below)

Month factor (October - to convert
WADT to AADT) 0.99 0.99 0.99 0.99 0.99 0.99 0.99

Resulting AADTs 4118.261 3991.68 4097.6 4171.1175 4210.034

Total AADT (average - 5 day period) 4118

TRAFFIC TYPE SUMMARY:

Traffic Breakdown	Car/LGV	HGV/OGV
Total (Tuesday)	0	0

WADT Factor (to convert daily
movements into WADT) 0.97 0.97
WADTs 0 0

WADT to AADT

Month factor (October - to convert
Resulting AADTs) 0.99 0.99
Resulting AADTs 0 0

Tuesday 21 October 2025
TRA/25/168

SITE 20 NORTHBOUND						
TIME	CAR	LGV	OGV 1	OGV 2		TOTAL
0000	3	0	0	1		4
0100	1	0	0	0		1
0200	1	0	0	1		2
0300	1	0	0	0		1
0400	0	1	0	0		1
0500	14	6	0	2		22
0600	44	14	0	4		62
0700	57	12	1	4		75
0800	80	17	0	5		102
0900	40	17	3	6		68
1000	42	11	0	6		61
1100	34	7	0	6		47
1200	38	3	3	5		49
1300	50	12	2	3		67
1400	55	13	2	5		76
1500	59	15	0	6		80
1600	107	19	0	5		131
1700	89	18	2	4		113
1800	77	12	0	0		89
1900	52	8	1	0		61
2000	25	5	0	0		30
2100	15	1	0	0		16
2200	13	2	0	0		15
2300	1	1	0	0		2
07-19	728	156	13	55		958
06-22	864	184	14	59		1127
06-00	878	187	14	59		1144
00-00	898	194	14	63		1175

SITE 20 SOUTHBOUND						
TIME	CAR	LGV	OGV 1	OGV 2		TOTAL
0000	3	1	0	0		4
0100	3	1	0	1		5
0200	2	0	0	0		2
0300	1	0	0	0		1
0400	2	0	0	2		4
0500	7	6	0	5		18
0600	25	9	0	5		39
0700	56	13	0	8		77
0800	101	14	2	0		117
0900	69	14	1	5		89
1000	43	5	1	6		56
1100	36	12	0	5		53
1200	48	8	0	2		58
1300	49	13	0	3		65
1400	50	8	1	6		65
1500	59	17	0	2		78
1600	85	20	2	4		111
1700	91	21	0	1		113
1800	74	14	0	0		88
1900	43	6	1	0		50
2000	26	4	0	0		30
2100	19	2	0	0		21
2200	12	1	0	0		13
2300	7	0	0	0		7
07-19	761	159	7	42		970
06-22	874	180	8	47		1110
06-00	893	181	8	47		1130
00-00	911	189	8	55		1164

Extract from:

TII Publication: Project Appraisal Guidelines for National Roads Unit 16.1 - Expansion Factors for Short Period Traffic Counts

PE-PAG-02039

October 2016

TII Publications
Project Appraisal Guidelines for National Roads Unit 16.1 - Expansion Factors for Short Period Traffic Counts

PE-PAG-02039
October 2016

Weekly Flow Indices – Regional Breakdown

Region	Day						
	Monday	Tuesday	Wednesday	Thursday	Friday	Saturday	Sunday
Dublin Region	0.98	0.94	0.92	0.92	0.90	1.18	1.29
Mid East	1.00	0.97	0.95	0.94	0.89	1.12	1.19
Mid West	1.01	1.01	0.98	0.96	0.86	1.10	1.14
Midland	1.01	1.00	0.97	0.96	0.86	1.10	1.14
South East	1.01	0.98	0.96	0.95	0.88	1.12	1.19
West	1.01	0.98	0.96	0.95	0.87	1.09	1.19
Border (West)	1.01	1.00	0.98	0.97	0.87	1.06	1.14
Border (East)	1.01	0.99	0.97	0.96	0.87	1.06	1.18
South-West (Kerry)	1.02	1.01	0.99	0.97	0.89	1.03	1.11
South-West (Cork County)	1.00	0.96	0.93	0.93	0.87	1.15	1.26
South-West (Cork City)	0.99	0.94	0.92	0.91	0.88	1.18	1.35

Note:

The **Index** is the factor that is applied to the 24-hour total to convert it to WADT

TII Publications
Project Appraisal Guidelines for National Roads Unit 16.1 - Expansion Factors for Short Period Traffic Counts

PE-PAG-02039
October 2016

Monthly Flow Indices – Regional Breakdown

Region	Month											
	Jan.	Feb.	March	April	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.
Dublin Region	1.10	1.02	1.02	0.99	0.98	0.97	0.97	0.99	0.96	0.98	1.01	1.03
Mid East	1.13	1.03	1.02	0.97	0.98	0.96	0.94	0.93	1.02	0.99	0.99	1.06
Mid West	1.20	1.07	1.05	0.99	0.96	0.96	0.91	0.90	0.94	0.98	1.03	1.09
Midland	1.16	1.05	1.03	0.98	0.97	0.97	0.94	0.93	0.94	0.98	1.01	1.08
South East	1.15	1.05	1.04	0.98	0.97	0.97	0.93	0.92	0.96	0.98	1.01	1.08
West	1.18	1.06	1.05	0.98	0.97	0.96	0.91	0.90	0.95	0.98	1.03	1.09
Border (West)	1.24	1.08	1.05	0.97	0.97	0.95	0.88	0.86	0.96	0.98	1.06	1.11
Border (East)	1.16	1.03	1.02	0.98	0.98	0.97	0.94	0.93	0.98	0.98	1.01	1.05
South-West (Kerry)	1.31	1.19	1.12	0.98	0.93	0.91	0.81	0.78	0.93	1.00	1.14	1.19
South-West (Cork County)	1.31	1.19	1.12	0.98	0.93	0.91	0.81	0.78	0.93	1.00	1.14	1.19
South-West (Cork City)	1.09	1.02	1.01	0.98	0.98	0.98	0.98	1.00	0.96	0.98	0.99	1.04

Note:

The **Index** is the factor that is applied to WADT to convert it to AADT.