

Wylfa Newydd Project

**6.3.18 ES Volume C - Road traffic-related effects (project-wide) App C2-4 -
DCO TA Appendix D - Traffic Data Report**

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Contents

1	Introduction.....	1
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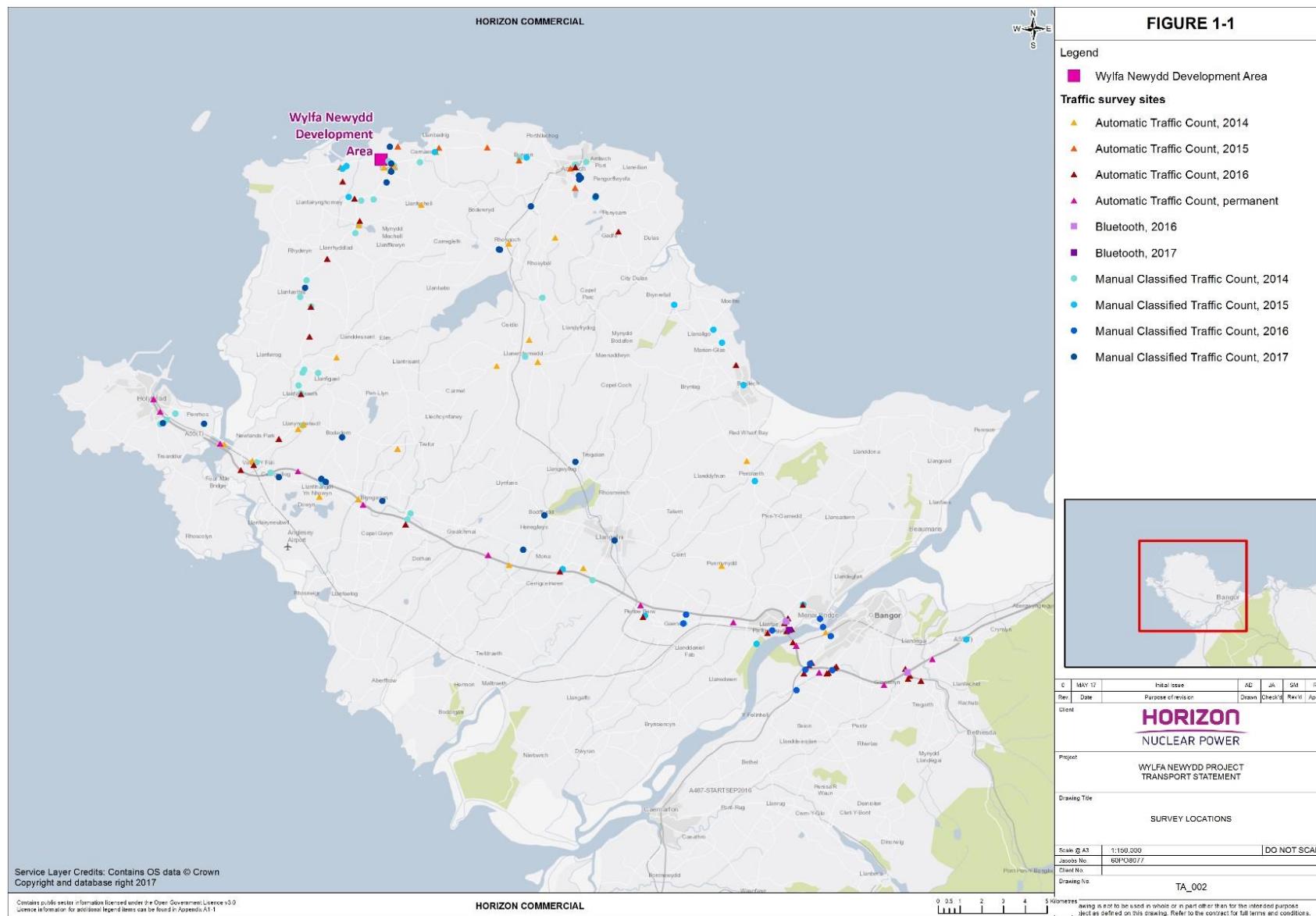
List of Tables

Table 1-1 Traffic Surveys undertaken by Jacobs Transport Consultants between 2014 – 2017	4
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1 Introduction

- 1.1.1 Traffic surveys were undertaken by Jacobs Transport Consultants at various locations near the Wylfa Newydd Development Area between the period 2014-2017 to assess the current situation.
- 1.1.2 Figure 1-1 show the location of the traffic surveys, including details of the type of traffic surveys and the date the survey was carried out.
- 1.1.3 Figure 1-2 shows the reference numbers and location of each of the surveys.
- 1.1.4 Table 1-1 highlights the location of traffic surveys and the date and time for undertaking the surveys. It also shows the type of survey (Manual Classified Turning Count or Automatic Traffic Count). Each traffic survey location has been assigned a unique ID column for ease of reference.
- 1.1.5 The full set of raw traffic survey data can be seen at sub-appendix 1-0.1 to this document.



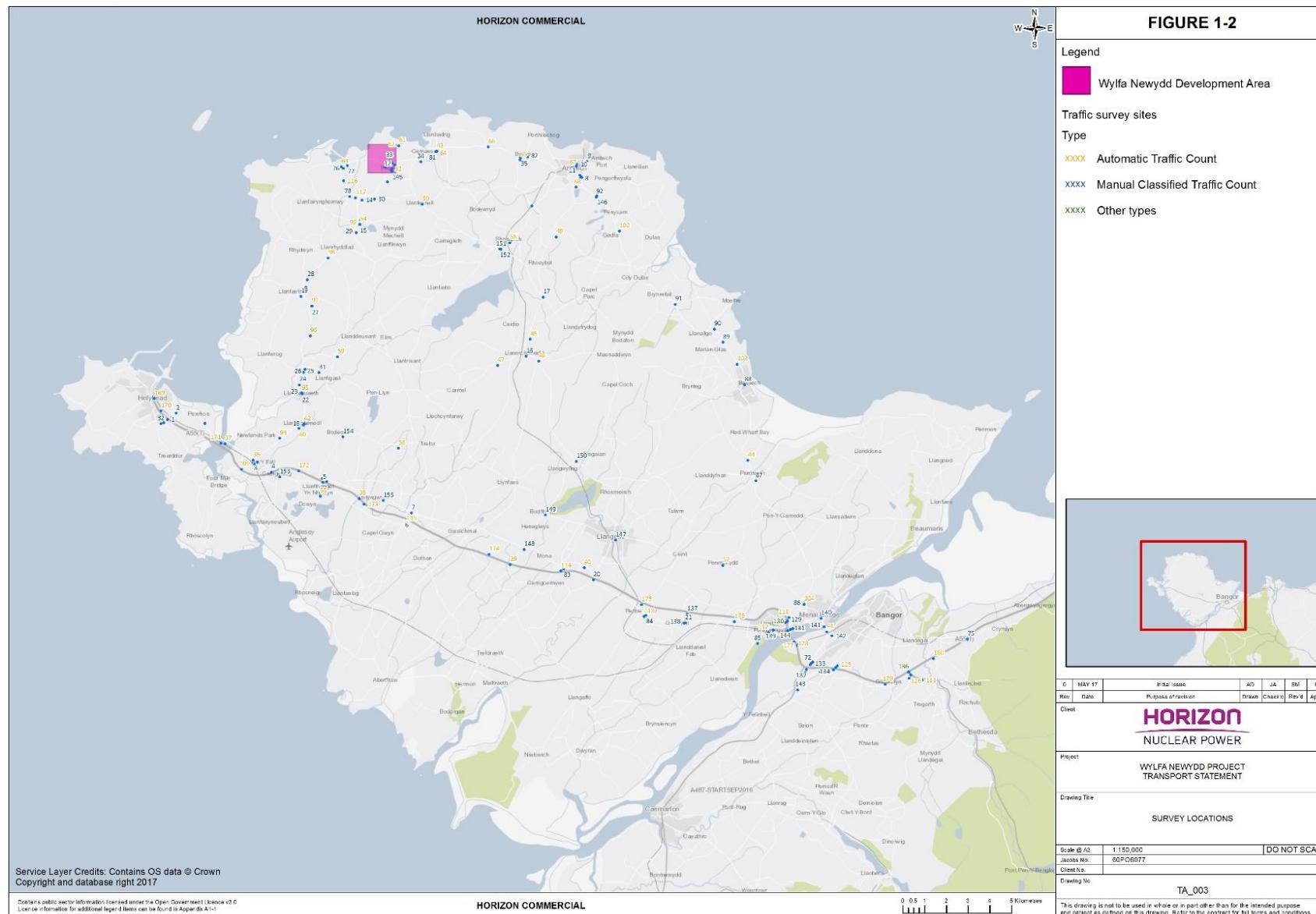


Table 1-1 Traffic Surveys undertaken by Jacobs Transport Consultants between 2014 – 2017

Survey ID (figure 1-2)	Jacobs ID	Location	Traffic Count Type	Length of survey
August and November 2014				
MCTCs - Thursday 28th and Saturday 30th August 2014 & Thursday 27th and Saturday 29th September 2014				
1	M-1	A55 Junction 2	MCTC	16 hour (06:00-20:00)
2	M-2	A5153/ A5 London Road Roundabout	MCTC	
3	M-3	Valley Crossroads	MCTC	
4	M-4	A55 Junction 3	MCTC	
5	M-5	A55 Junction 4	MCTC	
6	M-6	A55 Junction 5	MCTC	
7	M-7	A5 Holyhead Road/ B5112/ A4080 crossroads	MCTC	
8	M-8	A5025/ B5111 Roundabout, Amlwch	MCTC	
9	M-9	Parys Road/ Machine Street crossroads, Amlwch	MCTC	
10	M-10	Queen Street/ Parys Road, Amlwch	MCTC	
11	M-11	A5025 Bull Bay Road/ Queen Street, Amlwch	MCTC	
12	M-12	A5025/ existing Magnox site access road	MCTC	
13	M-13	A5025/ Cemlyn Road, Tregele	MCTC	
14	M-14	A5025/ Nanner Road junction	MCTC	
15	M-15	A5025/ unnamed road, south of Llanrhwydrus	MCTC	
16	M-16	B5111/ B5112 roundabout, Llannerch-y-medd	MCTC	
17	M-17	B5111/ staggered cross roads junction, north of Llannerch-y-medd	MCTC	
18	M-18	A5025/ B5109 priority junction, Llanyngenedl	MCTC	
19	M-19	A5025/ unnamed road, Llanfaethlu (Reference = Coffee Shop)	MCTC	
20	M-20	A55 Junction 6	MCTC	
21	M-21	A5 Holyhead Road/ A5152 Roundabout	MCTC	

Survey ID (figure 1-2)	Jacobs ID	Location	Traffic Count Type	Length of survey
22	M-22	A5025/ unnamed road, Llanfachraeth (Reference = Llanfachraeth Post Office)	MCTC	
23	M-23	A5025/ unnamed road, Llanfachraeth	MCTC	
24	M-24	A5025/ Lon Y Felin priority junction, Llanfachraeth	MCTC	
25	M-25	A5025/ unnamed road priority junction, north of Llanfachraeth (Reference = Penyorsedd Farm B&B)	MCTC	
26	M-26	A5025/ unnamed road priority junction (Reference = immediately north of Junction ID M-25)	MCTC	
27	M-27	A5025/ unnamed road priority junction, Llanfaethlu (Reference = The Black Lion Inn)	MCTC	
28	M-28	A5025/ Chapel Street priority junction	MCTC	
29	M-29	A5025/ unnamed road priority junction, north of Llanrhuddlad (Reference = Beatson G H & Son)	MCTC	
30	M-30	A5025/ unnamed road priority junction (Reference = east of Nanner Road)	MCTC	
31	M-31	Priority junction between two unnamed roads (Reference = east of Junction ID M-26)	MCTC	
32	32	A5153/ B4545 Kingsland Road roundabout	MCTC	
33	M-33	Existing site access road/ road to Fishermans Car Park priority junction	MCTC	
34	M-34	A5025 Ffordd Caergybi/ Ffordd Y Felin roundabout	MCTC	
35	M-35	A5025/ Rhosgoch access road junction (west of Burwen Road)	MCTC	
ATCs - August and November 2014				
36	1	A5 east of Valley (approx. 100m east of speed limit change)	ATC	4 weeks in each month

Survey ID (figure 1-2)	Jacobs ID	Location	Traffic Count Type	Length of survey
37	2	A5 west of Valley on bridge over Cymyran Strait	ATC	
38	3	A5 Holyhead Road between A55 Junction 4 and Bryngwran	ATC	
39	4	A5 Holyhead Road between A55 Junction 6 and Gwalchmai	ATC	
40	5	A5 between A55 Junction 6 and Rhos Trehwfa	ATC	
41	6	Menai Bridge	ATC	
42	7	A5025 north of A5025/B5109 junction, Llanyngunedl	ATC	
43	8	A5025 east of Cemaes (east of A5025 junction with Llanbadrig road)	ATC	
44	9	A5025 north of Pentraeth	ATC	
45	10	B5109 west of Pentraeth	ATC	
46	11	B5111 south of Llannerch-y-medd (Reference = north of B5111 junction with Tyn Llan Farm)	ATC	
47	12	B5112 west of Llannerch-y-medd (Reference = between Bryn Gollen Isaf and B5112/unclassified road junction to Llantrisant)	ATC	
48	13	B5111 north of Llannerch-y-medd (Reference = Llwydiarth Farm Accommodation)	ATC	
49	14	B5111 north of Rhos-y-bol (Reference = Cefn Pali)	ATC	
50	15	South of Llanfechell (Reference = speed limit change)	ATC	
51	16	Existing Magnox access road	ATC	
52	17	A5025, Tregele (Reference = Opposite Douglas Inn)	ATC	
53	18	Nanner Road (Reference = west of A5025/ Nanner Road junction)	ATC	
54	19	Minor road west of A5025 heading to Llanfairyngornwy	ATC	
55	20	Minffordd Road, Llanfihangel-yn-Nhywn	ATC	

Survey ID (figure 1-2)	Jacobs ID	Location	Traffic Count Type	Length of survey
56	21	B5109 west of Trefor (Reference = between Star Farm and Anglesey Equestrian Centre)	ATC	
57	22	B5420 at Penmynydd (Reference = Speed Limit change)	ATC	
58	23	Rhosgoch access road	ATC	
59	24	North of Stryd y Facsen (see note 1)	ATC	
60	25	Gorad Road, Llanyngchedl (see note 1)	ATC	
61	26	Fishermans Car Park (see note 1)	ATC	
ATC - Tuesday 19th May to Monday 1st June 2015				
Surveys undertaken by Sky High 2015				
62	1	Nanner Road (Reference = North of Caravana)	ATC	2 weeks
63	2	Cemlyn Road (Reference = West of Cemlyn Road/ Road to Cemlyn Bay priority junction)	ATC	
Surveys undertaken by Gwynedd 2015				
64	1	Llanbadrig Road (Reference = north of A5025/ Llanbadrig road priority junction)	ATC	2 weeks
65	2	Unnamed road (Reference = Road to Bodewryd/ Llanfechell (south of A5025 at Neuadd))	ATC	
66	3	Unnamed road (Reference = Road to Llanbadrig. North of A5025 junction east of Hughes w T)	ATC	
67	4	B5111 Mona Street/ Bethesda Street, Amlwch	ATC	
68	5	Link road between A5025/ B5111, South Amlwch (Reference = immediately south of B5111/ Tanybryn Road junction)	ATC	
MCTC - Thursday 21st and Saturday 23rd May 2015 (see note 2)				
69	M-46	A55 Junction 8	MCTC	16 hour (06:00-20:00)
70	M-47	A55 Junction 8A	MCTC	

Survey ID (figure 1-2)	Jacobs ID	Location	Traffic Count Type	Length of survey
71	M-48	A55 Junction 9 (Southern Dumbbell)	MCTC	
72	M-49	A55 Junction 9 (Northern Dumbbell)	MCTC	
73	M-50	A55 Junction 10	MCTC	
74	M-51	A55 Junction 11	MCTC	
75	M-52	A55 Junction 12	MCTC	
76	7	Nanner Road/ Cemlyn Road priority junction	MCTC	
77	8	Cemlyn Road/ Road to Cemlyn Bay priority junction	MCTC	
78	9	Nanner Road/ Road to Llanrhwydrus	MCTC	
79	10	Cemlyn Road	Track and Trace	
80	11	B5109 to Gorad Road, Llanyngchedl	Pedestrian Survey	
81	12	A5025/ Bridge Street, Cemaes	MCTC	
82	13	A5025/ Burwen Road, Burwen	MCTC	

MCTC - Thursday 27th August and Saturday 29th August 2015 & Thursday 24th September and Saturday 26th September 2015

83	M-36	A5 Holyhead Road/ B4422 priority junction	MCTC	16 hour (06:00-20:00)
84	M-37	A5 Holyhead Road/ B4419 priority junction	MCTC	
85	M-38	A4080 Ffordd Brynsiencyn/ Chapel Street	MCTC	
86	M-39	A5025/ B5420 roundabout	MCTC	
87	M-40	A5025/ B5109 staggered crossroads, Pentraeth	MCTC	
88	M-41	A5025/ B5108 crossroads, Benllech	MCTC	
89	M-42	A5025/ B5110 priority junction	MCTC	
90	M-43	A5025/ A5108 priority junction	MCTC	
91	M-44	A5025/ unnamed road priority junction (Reference = Pwllcoch Caravan Park)	MCTC	
92	M-45	A5025/ unnamed road staggered crossroads, Twrcelyn	MCTC	

ATC - August and September 2015

Speed Surveys commissioned on behalf of IACC

Survey ID (figure 1-2)	Jacobs ID	Location	Traffic Count Type	Length of survey
93	1	A5 west of A55 Junction 3	ATC	1 month
94	2	A5025 north of Valley	ATC	
95	3	A5025, Llanfachraeth	ATC	
96	4	A5025, between Llanfachraeth and Llanfaethlu (Reference - north of A5025/ unnamed road to Gronant Manor House junction)	ATC	
97	5	A5025, Llanfaethlu (Reference = North of Black Lion Pub)	ATC	
98	6	A5025, south of Llanrhuddlad	ATC	
99	7	A5025, south of Cefn Coch (Reference = immediately south of bypass)	ATC	
100	8	A5025, south of Tregele (Reference = immediately north of Proposed new site access road)	ATC	
Jacobs Traffic Surveys				
101	1	A5025 south of A5025/B5111 roundabout, Amlwch	ATC	1 month
102	2	A5025 south of Pen-y-sarn (Reference = north of A5025/ unnamed road to Capel Parc junction)	ATC	
103	3	A5025 north of Benllech (Reference = Bodaon Caravan Park)	ATC	
104	4	A5025 north of A5025/ B5420 roundabout junction (Reference = North of Four Crosses Cars and Commercials)	ATC	
105	5	A487 south of A55 Junction 9 (Reference = North of A487/ Penrhos Road junction)	ATC	
106	6	A487 Treborth Road north of A55 Junction 9 northern dumbbell	ATC	
107	7	A4087 Caernarfon Road south of A55 Junction 10	ATC	
108	8	A4087 Caernarfon Road north of A55 Junction 10	ATC	
109	9	A5 north of A55 Junction 11	ATC	

Survey ID (figure 1-2)	Jacobs ID	Location	Traffic Count Type	Length of survey
110	10	A4244 Felin Hen Road (Reference = west of A5/ A4244 roundabout)	ATC	
111	11	A5 south of A5/ A4244 roundabout	ATC	
112	12	A4080 south of A5 Holyhead Road/ A4080 priority junction	ATC	
113	13	B4419, south of the A5 Holyhead Road/ B4419 priority junction, Pentre Berw	ATC	
114	14	B4422, south of A5 Holyhead Road/ B4422 priority junction	ATC	
115	15	A4080, south of A55 Junction 5	ATC	
Tuesday 16th February to Monday 7th March 2016				
116	1	Nanner Road (Reference = between Bee Hive Preserves and Caravana)	ATC	2 week
117	2	Nanner Road (Reference = between A5025 and unnamed road heading south towards Llanrhwydrus/ Llanfairyngornwy)	ATC	
Tuesday 15th to Wednesday 23rd March 2016				
118	1	A5025 west of Junction 8 westbound on-slip	ATC	1 week
119	2	A5025 east of Junction 8 eastbound on-slip	ATC	
120	3	A5 Holyhead Road west of Junction 8A westbound off- slip	ATC	1 week
121	4	A5 Holyhead Road east of Junction 8A eastbound off-slip	ATC	
122	5	A487 south of A55 Junction 9 southern dumbbell	ATC	
123	6	A487 Treborth Road north of A55 Junction 9 northern dumbbell	ATC	
124	7	A4087 Caernarfon Road south of A55 Junction 10	ATC	
125	8	A4087 Caernarfon Road north of A55 Junction 10	ATC	
126	9	A5 south of A55 Junction 11	ATC	
127	10	A5 north of A55 Junction 11	ATC	
128	11	A55 Britannia Bridge	ATC	

Survey ID (figure 1-2)	Jacobs ID	Location	Traffic Count Type	Length of survey
Thursday 20th March and Saturday 22nd March 2016				
129	M-46	A55 Junction 8	MCTC	05:45-09:00 / 14:45-18:00
130	1a	A55 Junction 8 Through Link	Bluetooth	
131	M-47	A55 Junction 8A	MCTC	
132	M-48	A55 Junction 9 (Southern Dumbbell)	MCTC	
133	M-49	A55 Junction 9 (Northern Dumbbell)	MCTC	
134	M-50	A55 Junction 10	MCTC	
135	M-51	A55 Junction 11	MCTC	
136	6a	A55 Junction 11 Through Link	Bluetooth	
Thursday 30th June and Sunday 3rd July 2016				
137	M-69	A55 Junction 7	MCTC	18 hour (04:00 - 22:00)
138	2	A5/ A5152/ Ffordd Caergybi roundabout	MCTC	
139	M-70	A5 Holyhead Road/ A4080 Ffordd Brynsiencyn/ Lon Graig staggered crossroads	MCTC	
140	M-71	A5 Holyhead Road/ A5 Mona Road/ B5420 Pentraeth Road/ Dale Street roundabout	MCTC	
141	M-72	A5 Mona Road/ A545 Bridge Street/ Menai Bridge roundabout	MCTC	
142	M-73	A5 Menai Bridge/ A487/ A5 Holyhead Road Roundabout	MCTC	
143	M-74	A4087 Caernarfon Road/ A487 Y Felinheli Bypass roundabout	MCTC	
Thursday 30th June to Wednesday 13th July 2017				
144	1	A55 Junction 8 to A55 Junction 12 Journey Times	Bluetooth	24 hour survey for 2 weeks
Thursday 6th April and Saturday 22nd April 2017 (see note 3)				
145	1	A5025/ unnamed road to Llanfechell (Reference = east of A5025/ Nanner Road junction)	MCTC	16 hour (06:00-20:00)
146	2	A5025/ Llaneilian Road, South of Amlwch	MCTC	
147	M-75	A5114/Bridge Street/ High Street junction, Llangefni	MCTC	
148	M-76	A5 Holyhead Road/ Llangefni (south of Bodffordd)	MCTC	
149	M-77	B5109/ Llangefni, Bodffordd	MCTC	

Survey ID (figure 1-2)	Jacobs ID	Location	Traffic Count Type	Length of survey
150	M-78	B5111/ Lon Sardis, south of Llangwyllog	MCTC	
151	M-79	B5111/ minor road to Rhosgoch, south of Rhos-y-bol	MCTC	
152	8	Unnamed road/ unnamed road priority junction, west of Rhosgoch	MCTC	
153	M-80	A5 Holyhead Road/ unnamed road to Llanfair-yn-neubwll	MCTC	
154	M-81	B5109/ London Road, Bodedern	MCTC	
155	M-82	A5 Holyhead Road/ Salem Street, Bryngwran	MCTC	
Custom Junctions				
156	C-56	Madyn Farm entrance	Custom (made from two or more MCTCs)	Not applicable.
157	C-57	Entrance to car park 1 - Temporary Workers' Accommodation at Amlwch [Superseded]	Custom (made from two or more MCTCs)	
158	C-58	Entrance to car park 2 - Temporary Workers' Accommodation at Amlwch [Superseded]	Custom (made from two or more MCTCs)	
159	C-59	Entrance to car park 3 - Temporary Workers' Accommodation at Amlwch [Superseded]	Custom (made from two or more MCTCs)	
160	C-60	Entrance to Temporary Workers' Accommodation at Rhosgoch [Superseded]	Custom (made from two or more MCTCs)	
161	C-61	Entrance to Site Campus	Custom (made from two or more MCTCs)	
162	C-62	Entrance to Simulator and Training Facility	Custom (made from two or more MCTCs)	
163	C-63	Proposed site access road	Custom (made from two or more MCTCs)	
164	C-64	Entrance to MEEG and AECC/ESL	Custom (made from	

Survey ID (figure 1-2)	Jacobs ID	Location	Traffic Count Type	Length of survey
			two or more MCTCs)	
165	C-65	Exit from Park and Ride (signalised junction)	Custom (made from two or more MCTCs)	
166	C-66	Entrance to Park and Ride (roundabout)	Custom (made from two or more MCTCs)	
167	C-67	Entrance to Logistics Centre	Custom (made from two or more MCTCs)	
168	C-68	Entrance to Penrhos	Custom (made from two or more MCTCs)	
Permanent ATC counters on A55				
169	A-1	East of A55 Junction 1	ATC	Not applicable
170	A-2	A55 Junction 2	ATC	
171	A-3	West of A55 Junction 3	ATC	
172	A-4	A55 Junction 4	ATC	
173	A-5	West of A55 Junction 5	ATC	
174	A-6	West of A55 Junction 6	ATC	
175	A-7	West of A55 Junction 7	ATC	
176	A-8	West of A55 Junction 8	ATC	
177	A-9	North of A55 Junction 9	ATC	
178	A-10	West of A55 Junction 10	ATC	
179	A-11	West of A55 Junction 11	ATC	
180	A-12	West of A55 Junction 12	ATC	

Note 1: Surveys undertaken in August only.

Note 2: A55 Junction 1 (M-54) and A5025/unnamed road, Llanrhuddlad (M-55) were not surveyed, but is included in the Strategic Traffic Model as a node.

Note 3: Originally the 2017 Saturday MCTC was surveyed on the 8th April 2017; however there were camera issues and the survey was redone on Saturday 22nd April 2017.

1-0.1 Full traffic survey data details

Full traffic survey data details can be provided upon request.