

**SOUTH DUBLIN COUNTY COUNCIL
NEWCASTLE ROAD
TRAFFIC SURVEY**

**SURVEY REPORT
MARCH 2012**

PROJECT NO.	1966
CHECKED	P. MURRAY
DATE	15/05/2012
CONTACT	A.CHAMBERS
REVISION	

CONTENTS

Introduction

Link Counts

Pedestrian Crossing Counts

Diagram 1966-01

Appendix A – Vehicle Categories

Appendix B – Survey Results

INTRODUCTION

Nationwide Data Collection (NDC) was instructed by South Dublin County Council to undertake link counts with pedestrian crossing counts along Newcastle Road, Co Dublin.

A general location plan is given in Diagram 1966-01.

LINK COUNTS

Link counts were undertaken at the following sites:

Site No.	Location.	Day / Date
1	Newcastle Road, south of Hillcrest Road	Thursday 29 th March 2012
2	Newcastle Road, south of Westbury Drive	

All sites were surveyed using telescopically mounted video cameras from which the information was subsequently extracted.

The survey was carried out with survey hours of 07:00 to 19:00. All information was collected in 15 minute intervals and has been tabulated with both hourly and period totals.

Vehicles were classified into the following categories:

- Light Vehicles (**LV**),
- Heavy Goods Vehicles (**HGV**),
- Buses (**PSV**) and
- Pedal Cycles (**P/C**).

A detailed description of the vehicles included in each category is provided in Appendix A.

PEDESTRIAN CROSSING COUNTS

In conjunction with the link counts, two-way pedestrian crossing counts were undertaken in 15 minute intervals, and tabulated with both hourly and period totals.

SITE REPORT

Weather Clear and sunny during the survey.

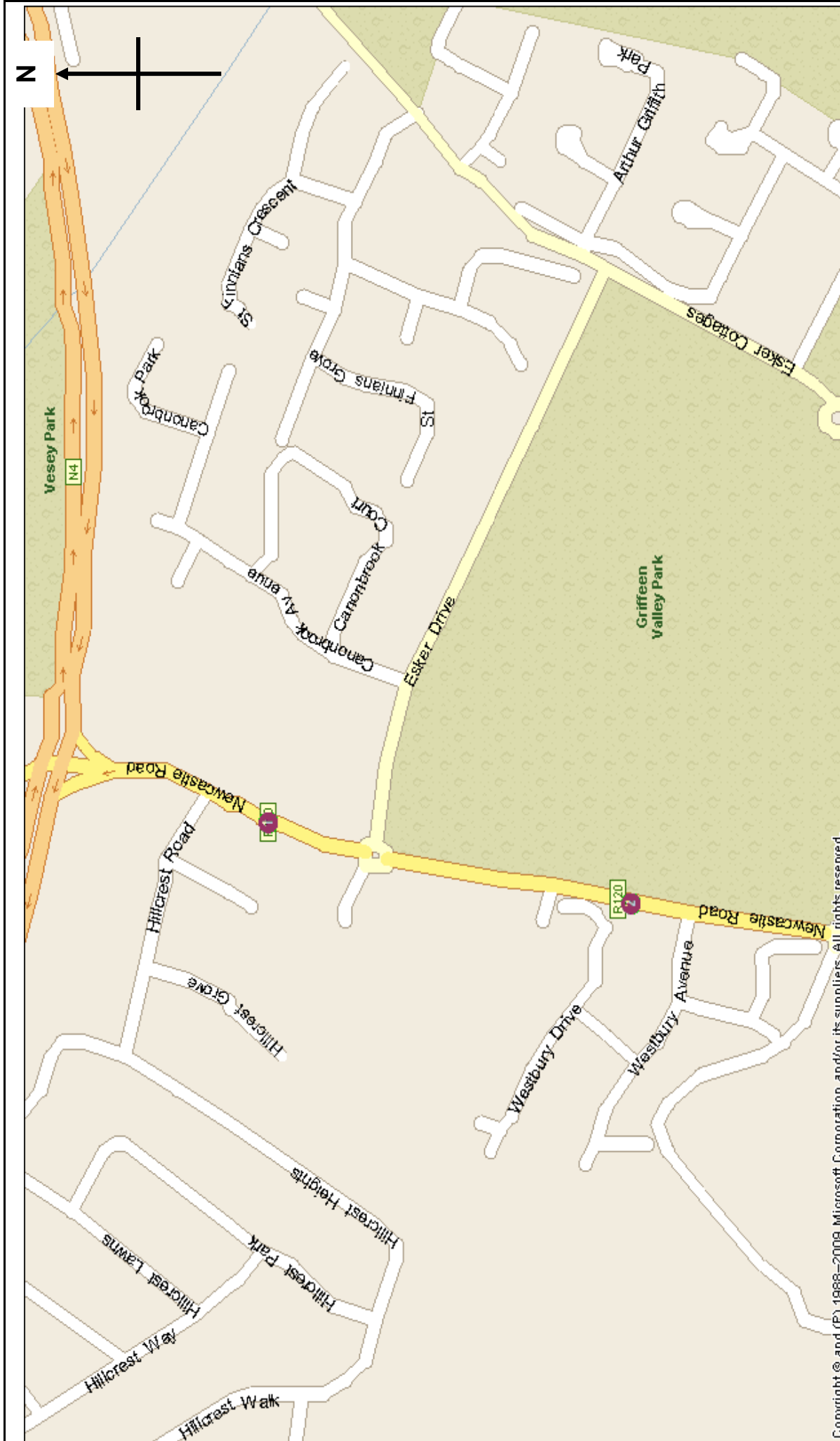
Accidents None.

Roadworks None.

Queues Not recorded.

Pedestrians Recorded.

General Site Notes. None.



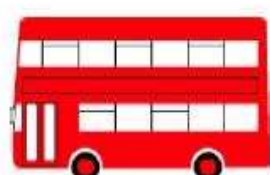
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	Sites / Location:	1 & 2 / Newcastle Road	Project No:	1966	Diagram No:	1966-01	Drawn By:	AC
	Survey Date:	Thursday 29th March 2012	Project Name: NEWCASTLE ROAD					
	Survey Times:	07:00 to 19:00	Diagram Title: General Location Plan					

APPENDIX A

VEHICLE CATEGORIES

VEHICLE CATEGORIES

CAR & LIGHT GOODS VEHICLES (LV)	 SALOON  ESTATE  PEOPLE CARRIER  CAR TOWING CARAVAN / TRAILER  VAN  <3.5 TONNES – single rear tyres  PICK-UP
HEAVY GOODS VEHICLE (HGV)	 > 3.5 TONNES – twin rear tyres  2-AXLES RIGID  2-AXLES RIGID  3 AXLES-RIGID  4 OR MORE AXLES RIGID  3-AXLES ARTIC  4 OR MORE AXLES ARTIC  OTHER GOODS VEHICLE WITH TRAILER
BUSES & COACHES (PSV)	 DOUBLE DECK BUS  SINGLE DECK BUS OR COACH

APPENDIX B

SURVEY RESULTS

Site No. 1
Location Newcastle Road, south of Hillcrest Road
Date Thursday 29 March 2012

Time	Northbound				Veh. Total	Southbound				Veh. Total
	LV	HGV	PSV	P/C		LV	HGV	PSV	P/C	
07:00	118	14	0	1	133	84	1	3	1	89
07:15	144	6	0	2	152	99	4	3	0	106
07:30	171	2	0	2	175	132	7	4	0	143
07:45	188	6	2	2	198	162	8	4	1	175
Hour	621	28	2	7	658	477	20	14	2	513
08:00	175	7	2	2	186	198	1	3	1	203
08:15	125	4	1	3	133	258	3	0	1	262
08:30	112	4	0	1	117	247	3	1	1	252
08:45	122	6	2	1	131	217	5	1	1	224
Hour	534	21	5	7	567	920	12	5	4	941
09:00	157	4	1	1	163	162	8	2	2	174
09:15	178	6	3	3	190	148	8	0	0	156
09:30	148	10	3	1	162	152	4	1	1	158
09:45	128	5	2	0	135	132	3	1	0	136
Hour	611	25	9	5	650	594	23	4	3	624
10:00	133	7	1	1	142	118	10	0	0	128
10:15	140	4	0	0	144	132	5	0	1	138
10:30	127	3	1	2	133	139	3	1	2	145
10:45	142	9	2	0	153	157	5	0	1	163
Hour	542	23	4	3	572	546	23	1	4	574
11:00	132	6	0	0	138	155	9	0	1	165
11:15	138	13	0	0	151	147	8	0	2	157
11:30	133	3	1	0	137	134	7	0	0	141
11:45	136	9	0	4	149	152	11	0	1	164
Hour	539	31	1	4	575	588	35	0	4	627
12:00	135	7	1	1	144	150	9	1	1	161
12:15	117	9	0	1	127	165	7	1	2	175
12:30	142	8	0	0	150	156	6	0	0	162
12:45	165	5	0	1	171	146	6	0	1	153
Hour	559	29	1	3	592	617	28	2	4	651
13:00	169	5	1	1	176	157	6	2	3	168
13:15	132	3	1	0	136	189	9	1	5	204
13:30	130	5	1	0	136	168	6	2	0	176
13:45	118	6	1	0	125	162	8	1	1	172
Hour	549	19	4	1	573	676	29	6	9	720
14:00	163	1	0	1	165	152	6	0	2	160
14:15	142	3	0	2	147	197	8	1	0	206
14:30	127	9	2	0	138	156	5	0	1	162
14:45	125	3	1	2	131	152	11	1	3	167
Hour	557	16	3	5	581	657	30	2	6	695
15:00	165	5	3	0	173	156	7	1	0	164
15:15	153	6	2	0	161	183	10	0	0	193
15:30	162	2	0	2	166	187	5	0	0	192
15:45	146	8	2	2	158	184	2	1	2	189
Hour	626	21	7	4	658	710	24	2	2	738
16:00	162	1	0	3	166	191	3	4	2	200
16:15	131	2	3	1	137	180	8	0	0	188
16:30	165	3	0	3	171	197	7	1	2	207
16:45	152	4	2	3	161	191	5	0	4	200
Hour	610	10	5	10	635	759	23	5	8	795
17:00	159	0	0	1	160	208	10	1	3	222
17:15	170	4	1	4	179	213	4	1	4	222
17:30	176	2	0	2	180	219	3	1	4	227
17:45	142	4	1	5	152	200	5	0	5	210
Hour	647	10	2	12	671	840	22	3	16	881
18:00	140	4	3	2	149	195	4	1	5	205
18:15	153	2	2	1	158	227	2	0	2	231
18:30	152	4	2	1	159	214	4	0	0	218
18:45	147	0	4	1	152	203	1	1	5	210
Hour	592	10	11	5	618	839	11	2	12	864
Total	6987	243	54	66	7350	8223	280	46	74	8623

Site No. 2
Location Newcastle Road, south of Westbury Drive
Date Thursday 29 March 2012

Time	Northbound				Veh. Total	Southbound				Veh. Total
	LV	HGV	PSV	P/C		LV	HGV	PSV	P/C	
07:00	80	11	0	0	91	43	1	1	1	46
07:15	128	6	1	2	137	90	3	4	0	97
07:30	169	3	1	3	176	101	6	3	2	112
07:45	153	9	3	0	165	115	8	1	2	126
Hour	530	29	5	5	569	349	18	9	5	381
08:00	162	5	0	1	168	165	3	4	3	175
08:15	87	4	1	3	95	163	5	2	1	171
08:30	90	1	3	3	97	137	3	2	0	142
08:45	185	5	2	1	193	140	5	1	0	146
Hour	524	15	6	8	553	605	16	9	4	634
09:00	93	3	1	0	97	129	8	2	0	139
09:15	120	6	2	1	129	104	4	1	1	110
09:30	115	9	2	0	126	105	3	0	1	109
09:45	103	6	3	0	112	72	3	2	0	77
Hour	431	24	8	1	464	410	18	5	2	435
10:00	102	6	0	1	109	74	8	1	0	83
10:15	93	4	0	0	97	75	8	1	1	85
10:30	97	3	2	1	103	79	4	1	2	86
10:45	110	5	1	0	116	85	5	1	0	91
Hour	402	18	3	2	425	313	25	4	3	345
11:00	85	7	1	0	93	105	7	0	0	112
11:15	104	9	1	0	114	104	6	1	3	114
11:30	86	1	0	1	88	89	6	0	0	95
11:45	93	8	0	3	104	100	8	1	1	110
Hour	368	25	2	4	399	398	27	2	4	431
12:00	108	5	1	2	116	87	8	1	0	96
12:15	80	8	0	0	88	99	5	2	1	107
12:30	107	8	0	0	115	122	5	0	0	127
12:45	107	5	1	2	115	99	7	1	1	108
Hour	402	26	2	4	434	407	25	4	2	438
13:00	105	4	1	0	110	125	6	1	4	136
13:15	97	2	1	0	100	112	8	1	1	122
13:30	129	5	0	1	135	131	5	0	0	136
13:45	110	2	1	0	113	157	10	2	2	171
Hour	441	13	3	1	458	525	29	4	7	565
14:00	102	2	0	3	107	126	3	3	2	134
14:15	113	3	2	2	120	122	9	2	0	133
14:30	127	7	2	3	139	106	3	0	2	111
14:45	80	3	1	1	85	158	9	2	3	172
Hour	422	15	5	9	451	512	24	7	7	550
15:00	109	3	1	1	114	130	7	0	2	139
15:15	121	6	1	2	130	140	12	1	0	153
15:30	118	2	0	1	121	131	0	2	0	133
15:45	120	6	5	1	132	156	3	2	1	162
Hour	468	17	7	5	497	557	22	5	3	587
16:00	136	2	1	1	140	160	4	2	2	168
16:15	112	2	2	0	116	161	7	1	1	170
16:30	153	4	1	1	159	154	6	0	0	160
16:45	125	1	2	3	131	154	6	0	2	162
Hour	526	9	6	5	546	629	23	3	5	660
17:00	107	0	1	1	109	176	9	0	4	189
17:15	135	4	2	4	145	184	6	2	2	194
17:30	113	2	1	1	117	176	4	1	5	186
17:45	109	4	2	2	117	183	6	1	3	193
Hour	464	10	6	8	488	719	25	4	14	762
18:00	128	3	1	1	133	194	3	2	3	202
18:15	147	2	4	2	155	197	3	1	0	201
18:30	122	2	2	1	127	184	4	0	0	188
18:45	138	0	5	1	144	180	1	1	4	186
Hour	535	7	12	5	559	755	11	4	7	777
Total	5513	208	65	57	5843	6179	263	60	63	6565

Site No. 1
Location Newcastle Road, south of Hillcrest Road
Date Thursday 29 March 2012

Time	Eastbound				Ped. Total	Westbound				Ped. Total
	Adult	Children	Elderly	Disabled		Adult	Children	Elderly	Disabled	
07:00	0	0	0	0	0	0	0	0	0	0
07:15	0	0	0	0	0	0	0	0	0	0
07:30	0	0	0	0	0	0	0	0	0	0
07:45	0	0	0	0	0	0	0	0	0	0
Hour	0	0	0	0	0	0	0	0	0	0
08:00	0	0	0	0	0	0	0	0	0	0
08:15	1	0	0	0	1	0	0	0	0	0
08:30	0	2	0	0	2	0	0	0	0	0
08:45	0	11	0	0	11	0	0	0	0	0
Hour	1	13	0	0	14	0	0	0	0	0
09:00	0	0	0	0	0	2	0	0	0	2
09:15	0	0	0	0	0	0	2	0	0	2
09:30	1	0	0	0	1	1	1	0	0	2
09:45	0	0	0	0	0	0	0	0	0	0
Hour	1	0	0	0	1	3	3	0	0	6
10:00	1	0	0	0	1	0	0	0	0	0
10:15	0	0	0	0	0	0	0	0	0	0
10:30	0	0	0	0	0	1	0	0	0	1
10:45	0	0	0	0	0	0	0	0	0	0
Hour	1	0	0	0	1	1	0	0	0	1
11:00	1	0	0	0	1	0	0	0	0	0
11:15	0	0	0	0	0	0	0	0	0	0
11:30	0	0	0	0	0	1	1	0	0	2
11:45	0	0	0	0	0	0	0	0	0	0
Hour	1	0	0	0	1	1	1	0	0	2
12:00	0	0	0	0	0	0	0	0	0	0
12:15	0	0	0	0	0	0	0	0	0	0
12:30	1	0	0	0	1	1	0	0	0	1
12:45	0	0	0	0	0	0	0	0	0	0
Hour	1	0	0	0	1	1	0	0	0	1
13:00	1	3	0	0	4	0	0	0	0	0
13:15	0	4	0	0	4	0	0	0	0	0
13:30	0	1	0	0	1	1	0	0	0	1
13:45	0	0	0	0	0	0	0	0	0	0
Hour	1	8	0	0	9	1	0	0	0	1
14:00	2	0	0	0	2	1	0	0	0	1
14:15	0	0	0	0	0	0	0	0	0	0
14:30	0	1	0	0	1	0	1	0	0	1
14:45	0	0	0	0	0	0	0	0	0	0
Hour	2	1	0	0	3	1	1	0	0	2
15:00	0	0	0	0	0	0	0	0	0	0
15:15	1	0	0	0	1	0	0	0	0	0
15:30	1	0	0	0	1	0	1	0	0	1
15:45	1	0	0	0	1	0	0	0	0	0
Hour	3	0	0	0	3	0	1	0	0	1
16:00	0	0	0	0	0	0	0	0	0	0
16:15	0	0	0	0	0	0	0	0	0	0
16:30	0	0	0	0	0	0	0	0	0	0
16:45	0	0	0	0	0	0	0	0	0	0
Hour	0	0	0	0	0	0	0	0	0	0
17:00	0	0	0	0	0	1	0	0	0	1
17:15	0	0	0	0	0	1	0	0	0	1
17:30	1	0	0	0	1	2	0	0	0	2
17:45	1	0	0	0	1	0	0	0	0	0
Hour	2	0	0	0	2	4	0	0	0	4
18:00	0	0	0	0	0	0	0	0	0	0
18:15	0	0	0	0	0	0	0	0	0	0
18:30	1	0	0	0	1	0	0	0	0	0
18:45	0	0	0	0	0	0	0	0	0	0
Hour	1	0	0	0	1	0	0	0	0	0
Total	14	22	0	0	36	12	6	0	0	18

Site No. 2
Location Newcastle Road, south of Westbury Drive
Date Thursday 29 March 2012

Time	Eastbound				Ped. Total	Westbound				Ped. Total
	Adult	Children	Elderly	Disabled		Adult	Children	Elderly	Disabled	
07:00	1	0	0	0	1	0	0	0	0	0
07:15	0	0	0	0	0	0	0	0	0	0
07:30	0	0	0	0	0	0	0	0	0	0
07:45	0	0	0	0	0	0	0	0	0	0
Hour	1	0	0	0	1	0	0	0	0	0
08:00	1	1	0	0	2	0	0	0	0	0
08:15	0	0	0	0	0	0	0	0	0	0
08:30	0	0	0	0	0	0	0	0	0	0
08:45	0	0	0	0	0	0	0	0	0	0
Hour	1	1	0	0	2	0	0	0	0	0
09:00	1	1	0	0	2	0	0	0	0	0
09:15	3	1	0	0	4	0	0	0	0	0
09:30	2	0	0	0	2	0	0	0	0	0
09:45	2	1	0	0	3	0	0	0	0	0
Hour	8	3	0	0	11	0	0	0	0	0
10:00	0	0	0	0	0	0	0	0	0	0
10:15	2	0	0	0	2	0	0	0	0	0
10:30	1	0	0	0	1	0	0	0	0	0
10:45	0	0	0	0	0	1	0	0	0	1
Hour	3	0	0	0	3	1	0	0	0	1
11:00	0	0	0	0	0	0	0	0	0	0
11:15	4	1	0	0	5	0	0	0	0	0
11:30	1	0	0	0	1	0	0	0	0	0
11:45	1	0	0	0	1	0	0	0	0	0
Hour	6	1	0	0	7	0	0	0	0	0
12:00	2	0	0	0	2	0	0	0	0	0
12:15	4	0	0	0	4	0	0	0	0	0
12:30	1	0	0	0	1	1	0	0	0	1
12:45	0	0	0	0	0	0	1	0	0	1
Hour	7	0	0	0	7	1	1	0	0	2
13:00	4	1	0	0	5	0	0	0	0	0
13:15	1	7	0	0	8	0	0	0	0	0
13:30	0	6	0	0	6	0	2	0	0	2
13:45	1	2	0	0	3	0	2	0	0	2
Hour	6	16	0	0	22	0	4	0	0	4
14:00	2	6	0	0	8	2	0	0	0	2
14:15	1	1	0	0	2	0	0	0	0	0
14:30	2	0	0	0	2	0	0	0	0	0
14:45	0	0	0	0	0	0	0	0	0	0
Hour	5	7	0	0	12	2	0	0	0	2
15:00	0	1	0	0	1	0	3	0	0	3
15:15	3	3	0	0	6	0	0	0	0	0
15:30	0	0	0	0	0	0	2	0	0	2
15:45	0	2	0	0	2	0	0	0	0	0
Hour	3	6	0	0	9	0	5	0	0	5
16:00	0	0	0	0	0	0	1	0	0	1
16:15	1	2	0	0	3	0	0	0	0	0
16:30	1	0	0	0	1	1	0	0	0	1
16:45	0	0	0	0	0	0	0	0	0	0
Hour	2	2	0	0	4	1	1	0	0	2
17:00	0	11	0	0	11	1	2	0	0	3
17:15	0	3	0	0	3	1	0	0	0	1
17:30	0	2	0	0	2	1	2	0	0	3
17:45	0	5	0	0	5	0	1	0	0	1
Hour	0	21	0	0	21	3	5	0	0	8
18:00	0	6	0	0	6	2	2	0	0	4
18:15	1	2	0	0	3	2	2	0	0	4
18:30	0	0	0	0	0	1	0	0	0	1
18:45	0	0	0	0	0	0	0	0	0	0
Hour	1	8	0	0	9	5	4	0	0	9
Total	43	65	0	0	108	13	20	0	0	33