

Forth Replacement Crossing

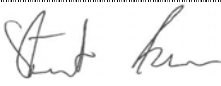


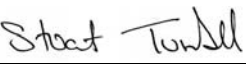
**Traffic Monitoring Annual Report:
2011 - 2012**

November 2012

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1.1 Background

Traffic monitoring is being undertaken before, during and after construction of the Forth Replacement Crossing (FRC) Project in order to monitor the impacts of changing route provision and traffic management on traffic volumes and patterns within the Firth of Forth area. It is also intended that this will inform the Monitoring and Evaluation Report, which will be issued post construction.

Traffic management for the scheme was first installed on the M90 on the 23 September 2011. This report presents an analysis of the key traffic information, in the immediate vicinity of the crossing and the affected road network, for the period August 2011 to September 2012. It therefore allows a comparison of data for the first year of monitoring. The report also contains the details of journey time surveys undertaken between September 2011 and September 2012, on the key routes. Volumetric traffic data is recorded via Automatic Traffic Counters (ATCs). In order to establish 'baseline' traffic levels it was necessary to consider data that was available at existing ATC locations and consider the potential for new ATCs. The new ATCs were installed at various locations within the defined FRC monitoring area in July 2011.

Journey time surveys have been, and will continue to be undertaken on selected routes, subject to a periodic review of the analysis of the survey results. Surveys are undertaken on 11 identified local routes in the vicinity of the FRC each month and on two longer, strategic routes on an annual basis. Surveys are undertaken in each direction in both AM and PM peaks.

This forms the first Traffic Monitoring Annual Report. Future traffic monitoring reports will seek to identify any key changes in traffic levels and journey times throughout the monitoring period, and significant traffic related trends as new data becomes available.

1.2 ATC Data Reporting

In order to report consistent and accurate data, consultation with Transport Scotland's current traffic data provider has been undertaken. In order to allow the current traffic data validation process to be carried out, a period of up to two months is required to validate the data. It should be noted that the process of validation used cannot guarantee that all errors in the data are removed.

Data provided for analysis and production of the annual reports will therefore have a lag time of approximately two months. The data included in this report was obtained throughout the year, and most recently in November 2012, allowing a suitable validation period for analysis of flows captured in all months between August 2011 and September 2012. It should be noted that the data supplied is in a variety of different formats; therefore a degree of pre-analysis and data sorting is required.

1.3 Report Structure

The outline report structure is as follows:

- Section 2 details the methodology for collecting and reporting traffic flow data and analysis of currently available traffic flow data;
- Section 3 details the structure of the report for each individual counter throughout the monitoring period;
- Sections 4 to 7 contain the analysis of each individual counter for August 2011 to September 2012; and
- Section 8 details the methodology for collecting and reporting journey time data and presents the findings of the journey time surveys undertaken in the first year of monitoring, from September 2011 to September 2012.

2 Traffic Flow Data

2.1 Introduction

A series of ATCs have been used to monitor traffic levels on both local and strategic routes associated with the existing Forth crossings and surrounding areas. These monitoring stations include existing permanent counter sites and a number of newly installed counters to provide comprehensive coverage of the surrounding road network. These traffic counters will be in place throughout the construction period of the scheme to provide a robust basis for traffic monitoring. The counter locations are presented in Appendix A.

The locations of these counters are considered to be appropriate to suitably monitor both traffic impacts on local routes within communities adjacent to the scheme, and on wider trunk and motorway routes catering for more strategic traffic movements. The strategic traffic movements considered relevant to this monitoring exercise are as follows:

- Traffic movements across the Forth between the M9 (Stirling) and south of the Forth Road Bridge (FRB) via the FRB, Kincardine and Clackmannanshire Bridges;
- Traffic movements to the west of the proposed FRC on the A904 (west of Queensferry), the M9, A89 and M8 (west of Junction 2);
- Traffic movements to the west of Edinburgh on the A90 (west of Barnton Junction), A8, M8, A71, and A70 at Currie; and
- Traffic movements to the east and west of the M90 / A90 corridor in Fife, between the A92 at Halbeath Junction south to Ferrytoll Junction.

Data collected from the ATC installations has been used to present the following average traffic information for each month, based on 7-day traffic flows:

- AM peak (07:00 to 10:00), Inter Peak (10:00 to 16:00) and PM peak (16:00 to 19:00) flows;
- 24 hr flow by vehicle class;
- Average hourly flows; and
- Monthly variation.

Analysis of the survey data has been undertaken to monitor changes in traffic flows and composition at each counter location.

2.2 Traffic Flow Data Suitability

In order to check the suitability of the traffic survey data collected at each counter location, survey data was (and will be) assessed to establish:

- The number of days over which data was collected (the survey period); and
- The period of time within this survey period where the counter was operational.

Although a suitable period of time has passed to allow a degree of validation to be undertaken, this does not guarantee that all errors in the data have been removed. To enable a robust analysis of the data, some counter locations have not been

included in the analysis. Where the number of survey days within the established survey month is less than ten, it was considered that the use of monthly average values from this data could not be considered to present a suitably robust representation of typical values within the survey month.

The majority of counters contain a suitably large sample to represent monthly averages. This varies on month to month, and where a month is not considered to contain suitably robust data, “No Data” has been inserted into the table.

Consideration was also given to identifying the extent to which counters were not working properly during the defined survey months. This was established by identifying hourly total flows that were either zero or deviated significantly from expected traffic levels. Where identified, this data has been removed to prevent atypical flows skewing the results.

2.3 Contents of the Traffic Flow Analysis

To provide a consistent baseline for evaluation, August 2011 traffic flow data from each counter (existing and new) has been used to establish typical, pre-construction levels.

The monthly average traffic flows, AM and PM peak average traffic flows, monthly average Heavy Goods Vehicle (HGV) flows, AM and PM peak HGV flows and monthly average speeds for each month between August 2011 and September 2012 are presented in section 4 (Motorways), 5 (A-Roads), 6 (B-Roads) and 7 (Other Roads) for comparison.

In the tables contained within sections 4, 5, 6 and 7, the following are abbreviated as below:

- Northbound – NB;
- Southbound – SB;
- Eastbound – EB; and
- Westbound – WB.

3 Motorway Automatic Traffic Counters

3.1 Traffic Counter JTC00068 – M9 200m South of Keir Roundabout

Summary of statistics between August 2011 and September 2012:

- There was limited traffic flow data available for May to September 2012, therefore the data was not considered to be sufficiently representative for analysis.
- Traffic levels peak in August 2011, the typical peak months are May and July, but there is no data available for these months.
- Traffic levels are at their lowest in December 2011 and January 2012, this is typical seasonal variation.
- The AM and PM peak traffic flows follow a similar pattern to the AADT flows.
- The northbound and southbound flows are fairly similar in volume and follow a similar pattern of monthly variation.
- HGV flows follow a similar seasonal pattern.

3.1.1 Monthly Average Traffic Flows

Table 3-1 Site: JTC00068 Annual Traffic Flows – August 2011 to September 2012

Counter	Location	Date	NB	SB	Two Way
JTC00068	M9 200m South of Keir Roundabout	Aug-11	17,017	17,681	34,698
		Sep-11	16,778	17,577	34,355
		Oct-11	16,372	16,994	33,366
		Nov-11	15,627	16,158	31,785
		Dec-11	13,752	14,199	27,950
		Jan-12	12,692	13,188	25,880
		Feb-12	15,502	14,700	30,202
		Mar-12	15,613	16,285	31,898
		Apr-12	15,751	16,333	32,084
		May-12	No Data	No Data	No Data
		Jun-12	No Data	No Data	No Data
		Jul-12	No Data	No Data	No Data
		Aug-12	No Data	No Data	No Data
		Sep-12	No Data	No Data	No Data
		Annual Average	15,456	15,902	31,358

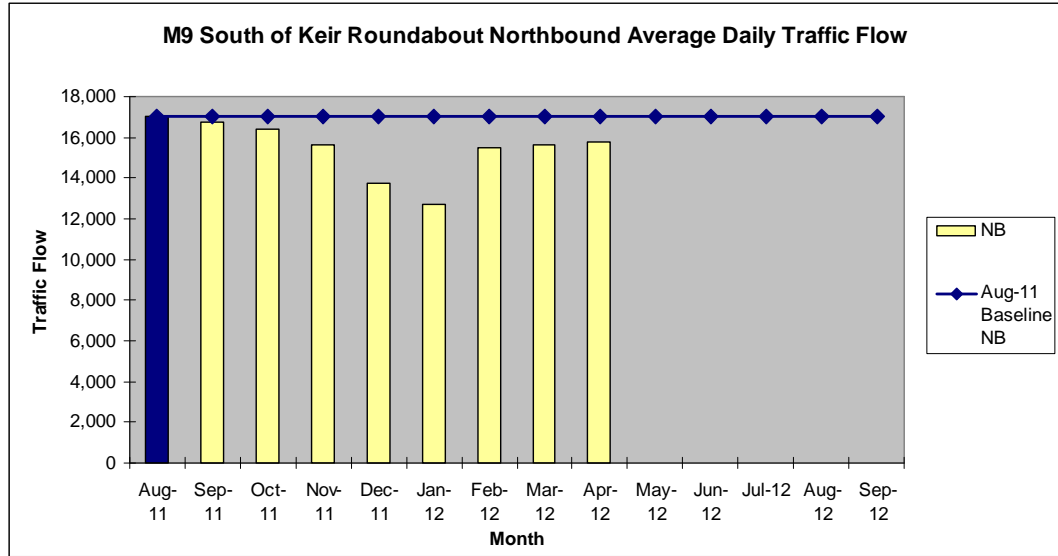


Figure 3-1 Monthly Northbound AADTs on the M9 200m South of Keir Roundabout

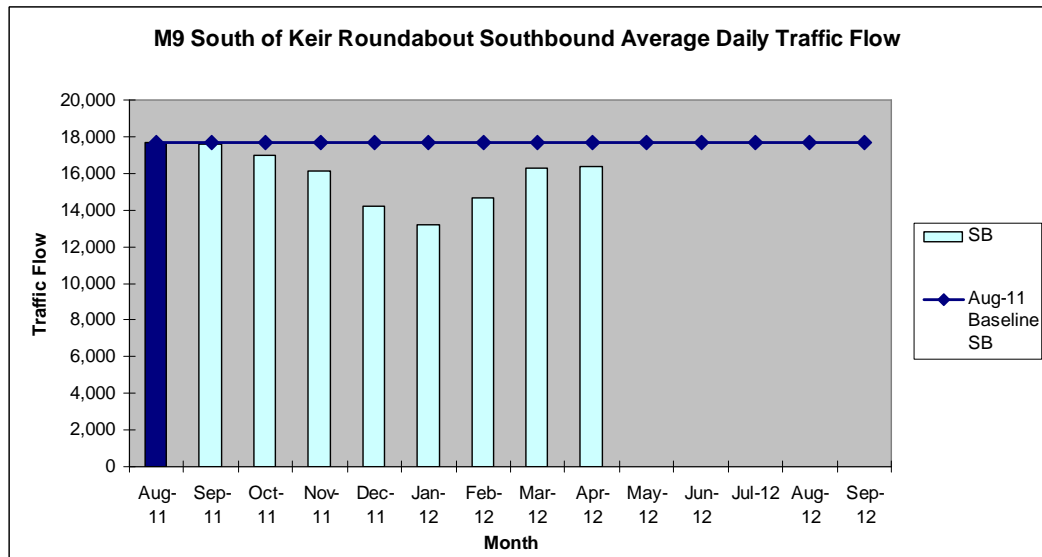


Figure 3-2 Monthly Southbound AADTs on the M9 200m South of Keir Roundabout

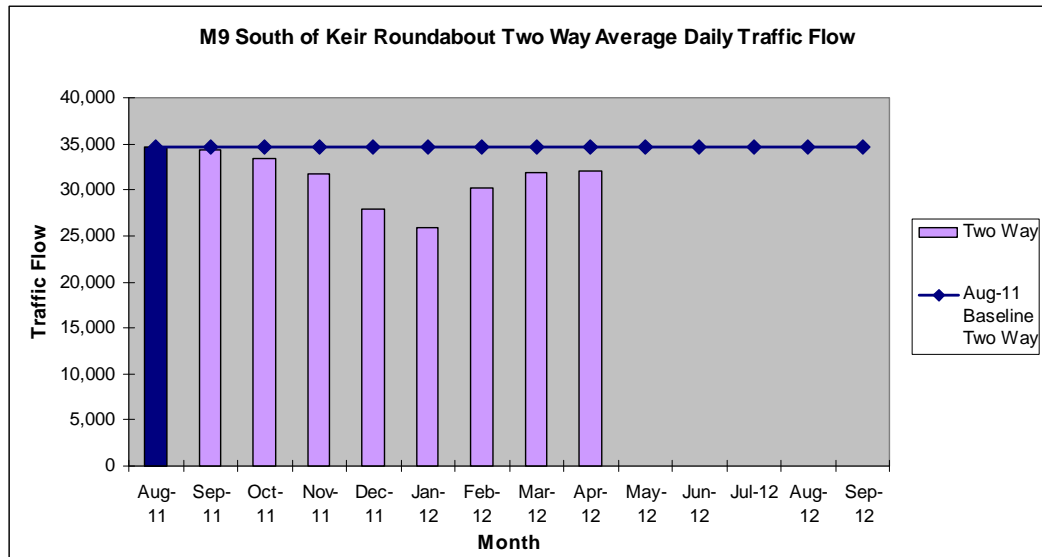


Figure 3-3 Monthly Two Way Daily Traffic Flows on the M9 200m South of Keir Roundabout

3.1.2 Monthly Average AM Peak Traffic Flows

Table 3-2 Site: JTC00068 AM Peak Traffic Flows – August 2011 to September 2012

Counter	Location	Date	NB	SB	Two Way
JTC00068	M9 200m South of Keir Roundabout	Aug-11	3,051	3,042	6,092
		Sep-11	3,150	3,158	6,309
		Oct-11	2,930	2,888	5,818
		Nov-11	2,618	2,422	5,041
		Dec-11	1,886	1,876	3,762
		Jan-12	1,988	1,994	3,983
		Feb-12	2,549	2,362	4,911
		Mar-12	2,682	2,621	5,302
		Apr-12	2,760	2,798	5,559
		May-12	No Data	No Data	No Data
		Jun-12	No Data	No Data	No Data
		Jul-12	No Data	No Data	No Data
		Aug-12	No Data	No Data	No Data
		Sep-12	No Data	No Data	No Data
		Annual Average	2,624	2,573	4,678

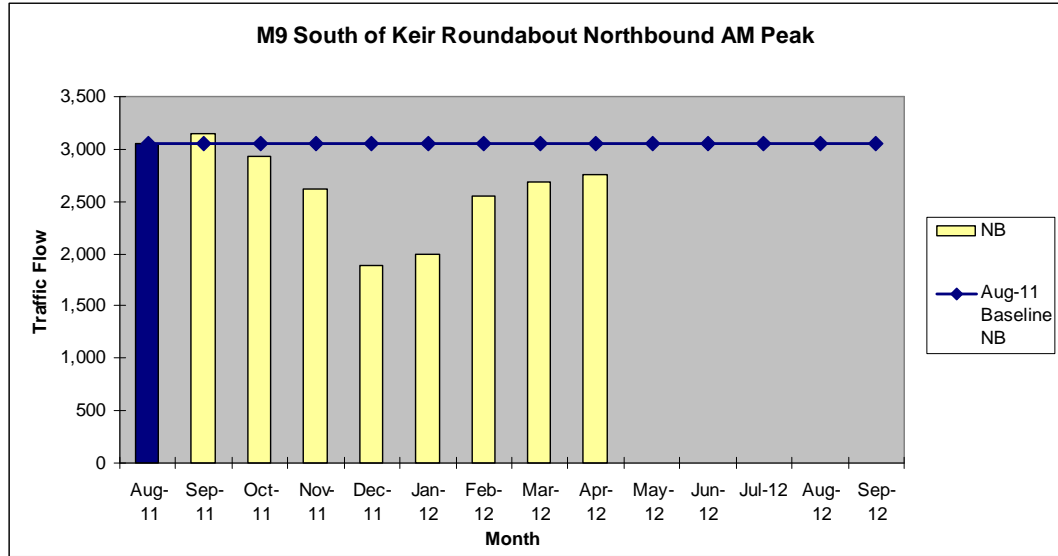


Figure 3-4 Monthly Northbound AM Peak Flows on the M9 200m South of Keir Roundabout

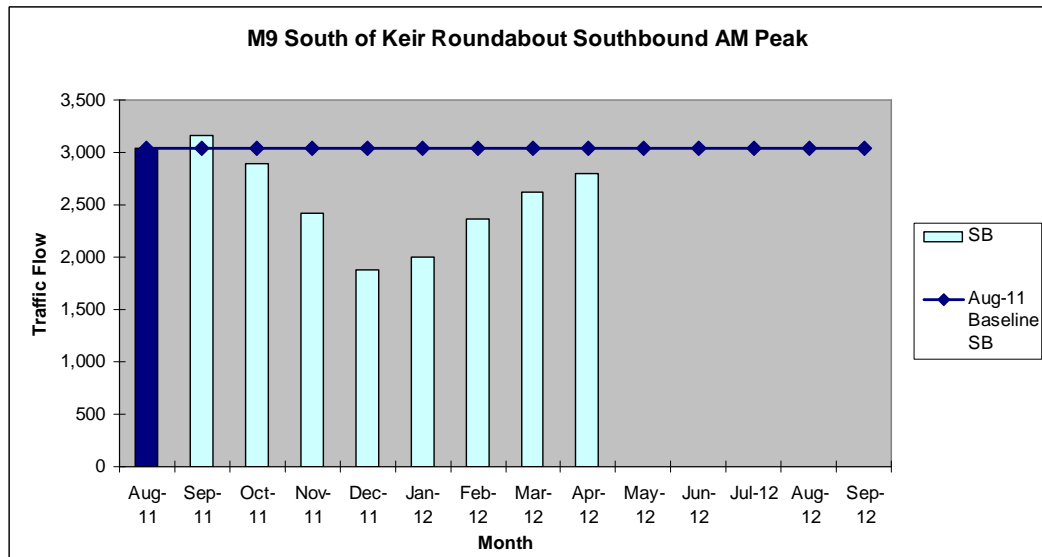


Figure 3-5 Monthly Southbound AM Peak Flows on the M9 200m South of Keir Roundabout

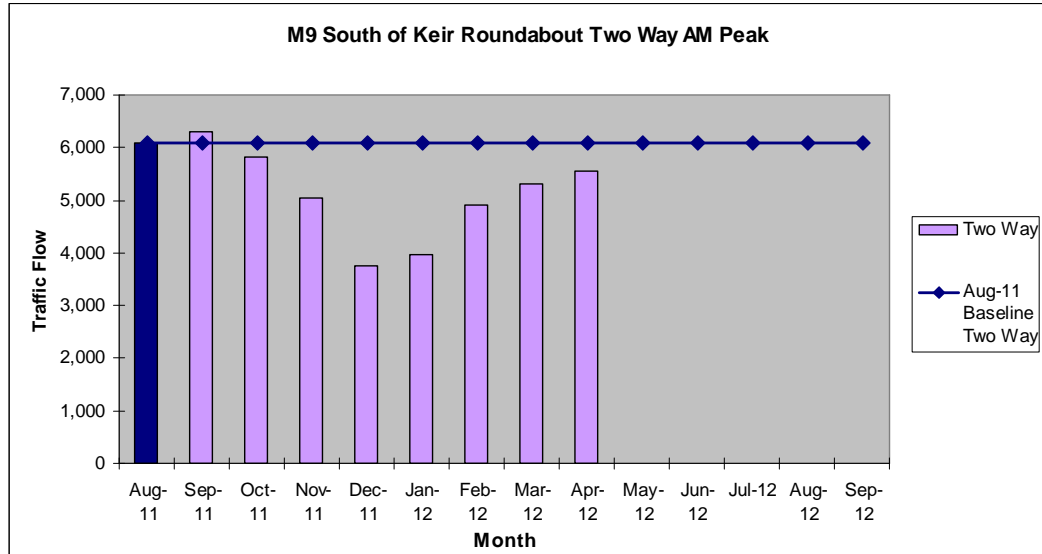


Figure 3-6 Monthly Two Way AM Peak Flows on the M9 200m South of Keir Roundabout

3.1.3 Monthly Average PM Peak Traffic Flows

Table 3-3 Site: JTC00068 PM Peak Traffic Flows – August 2011 to September 2012

Counter	Location	Date	NB	SB	Two Way
JTC00068	M9 200m South of Keir Roundabout	Aug-11	3,869	3,993	7,862
		Sep-11	3,804	4,021	7,825
		Oct-11	3,710	3,911	7,621
		Nov-11	3,655	4,051	7,706
		Dec-11	3,181	3,300	6,481
		Jan-12	3,060	3,247	6,308
		Feb-12	3,662	3,646	7,308
		Mar-12	3,585	4,008	7,592
		Apr-12	3,569	3,697	7,266
		May-12	No Data	No Data	No Data
		Jun-12	No Data	No Data	No Data
		Jul-12	No Data	No Data	No Data
		Aug-12	No Data	No Data	No Data
		Sep-12	No Data	No Data	No Data
		Annual Average	3,566	3,764	7,330

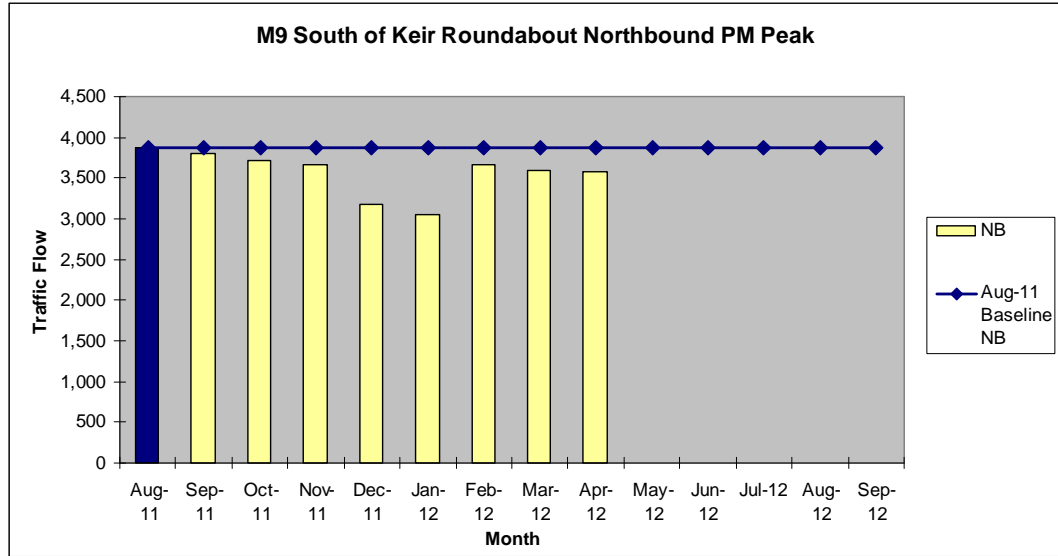


Figure 3-7 Monthly Northbound PM Peak Flows on the M9 200m South of Keir Roundabout

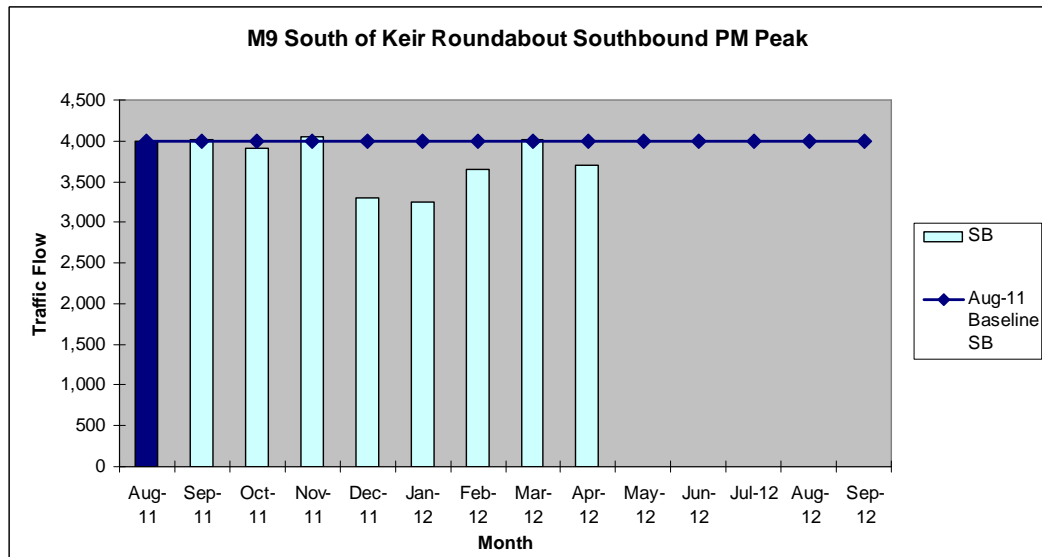


Figure 3-8 Monthly Southbound PM Peak Flows on the M9 200m South of Keir Roundabout

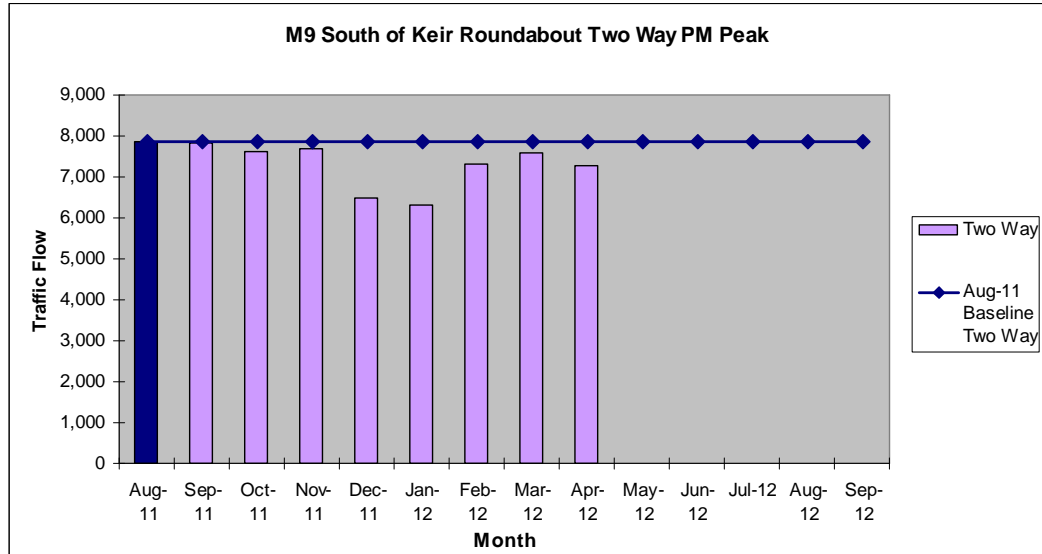


Figure 3-9 Monthly Two Way PM Peak Flows on the M9 200m South of Keir Roundabout

3.1.4 Monthly Average HGV Flows

Table 3-4 Site: JTC00068 Annual HGV Traffic Flows – August 2011 to September 2012

Counter	Location	Date	NB	SB	Two Way
JTC00068	M9 200m South of Keir Roundabout	Aug-11	1,071	1,136	2,207
		Sep-11	1,109	1,164	2,273
		Oct-11	1,063	1,130	2,193
		Nov-11	1,161	1,225	2,386
		Dec-11	1,000	1,053	2,053
		Jan-12	947	1,006	1,954
		Feb-12	1,164	1,129	2,293
		Mar-12	1,133	1,201	2,334
		Apr-12	1,077	1,151	2,228
		May-12	No Data	No Data	No Data
		Jun-12	No Data	No Data	No Data
		Jul-12	No Data	No Data	No Data
		Aug-12	No Data	No Data	No Data
		Sep-12	No Data	No Data	No Data
		Annual Average	1,081	1,133	2,214

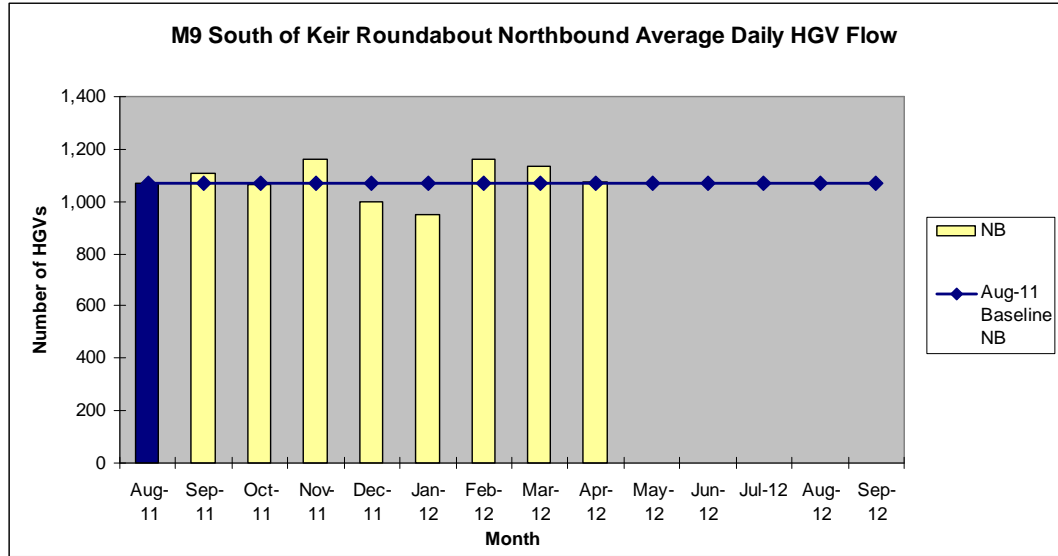


Figure 3-10 Monthly Northbound HGV Traffic Flows on the M9 200m South of Keir Roundabout

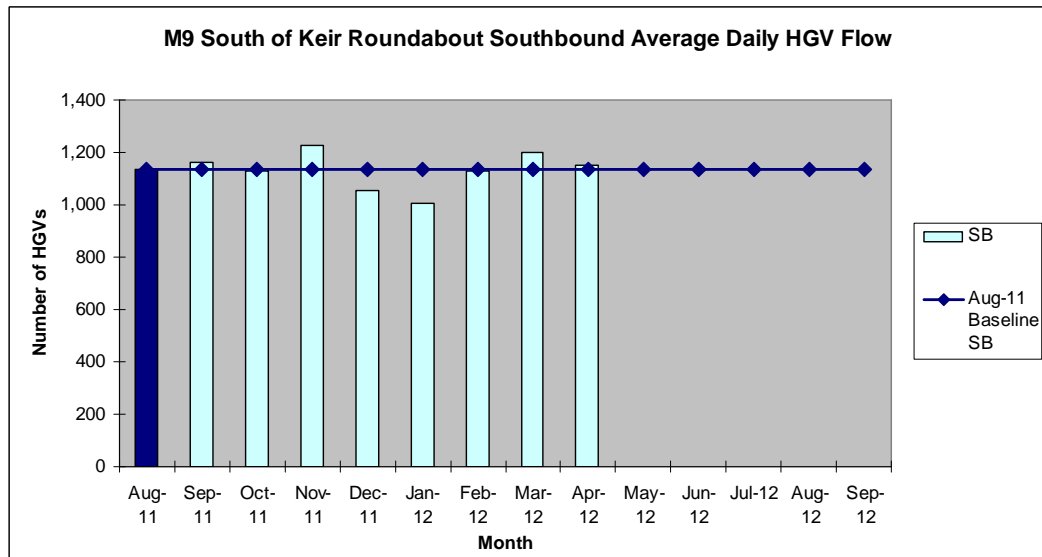


Figure 3-11 Monthly Southbound HGV Traffic Flows on the M9 200m South of Keir Roundabout

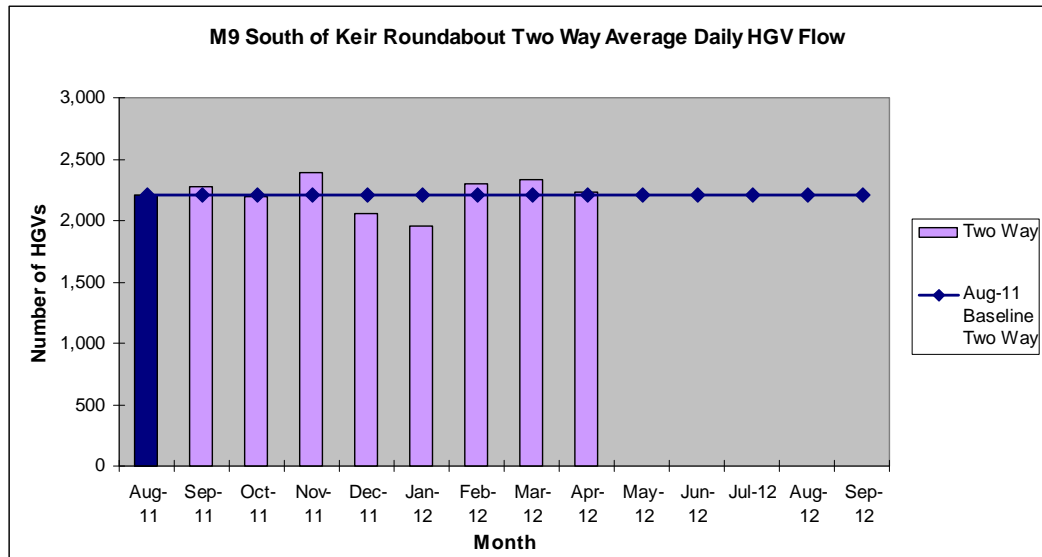


Figure 3-12 Monthly Two Way HGVS Traffic Flows on the M9 200m South of Keir Roundabout

3.1.5 Monthly Average AM Peak HGVS Flows

Table 3-5 Site: JTC00068 AM Peak HGVS Traffic Flows – August 2011 to September 2012

Counter	Location	Date	NB	SB	Two Way
JTC00068	M9 200m South of Keir Roundabout	Aug-11	220	143	363
		Sep-11	223	149	372
		Oct-11	208	140	347
		Nov-11	232	137	368
		Dec-11	187	118	305
		Jan-12	182	110	292
		Feb-12	234	133	368
		Mar-12	230	145	375
		Apr-12	210	150	359
		May-12	No Data	No Data	No Data
		Jun-12	No Data	No Data	No Data
		Jul-12	No Data	No Data	No Data
		Aug-12	No Data	No Data	No Data
		Sep-12	No Data	No Data	No Data
		Annual Average	214	136	350

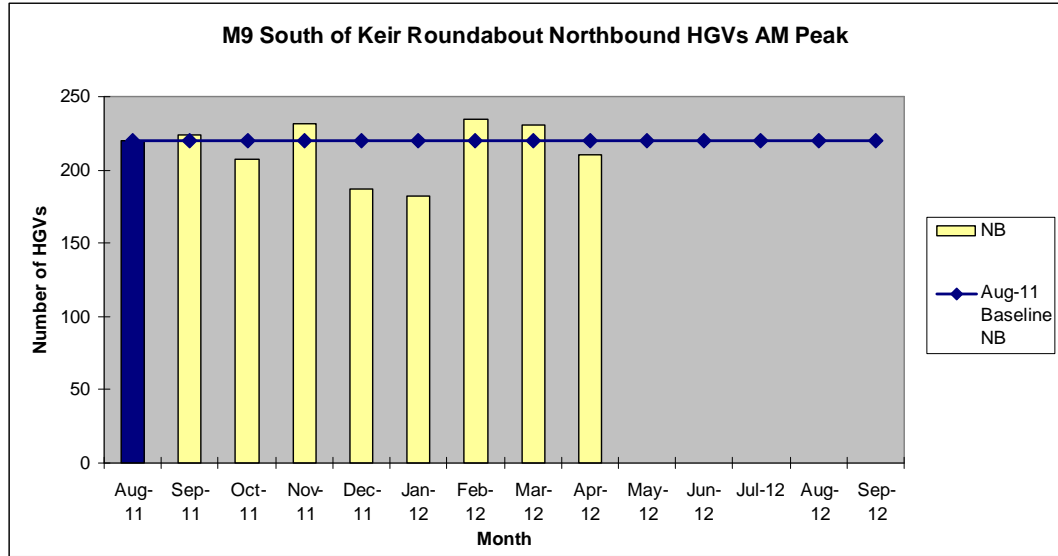


Figure 3-13 Monthly Northbound AM Peak HGV Flows on the M9 200m South of Keir Roundabout

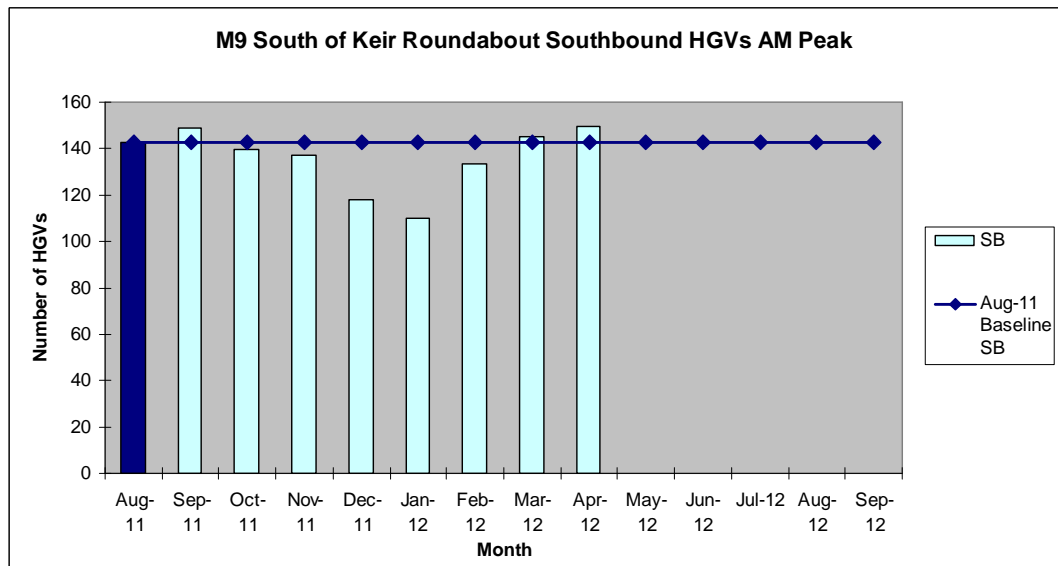


Figure 3-14 Monthly Southbound AM Peak HGV Flows on the M9 200m South of Keir Roundabout

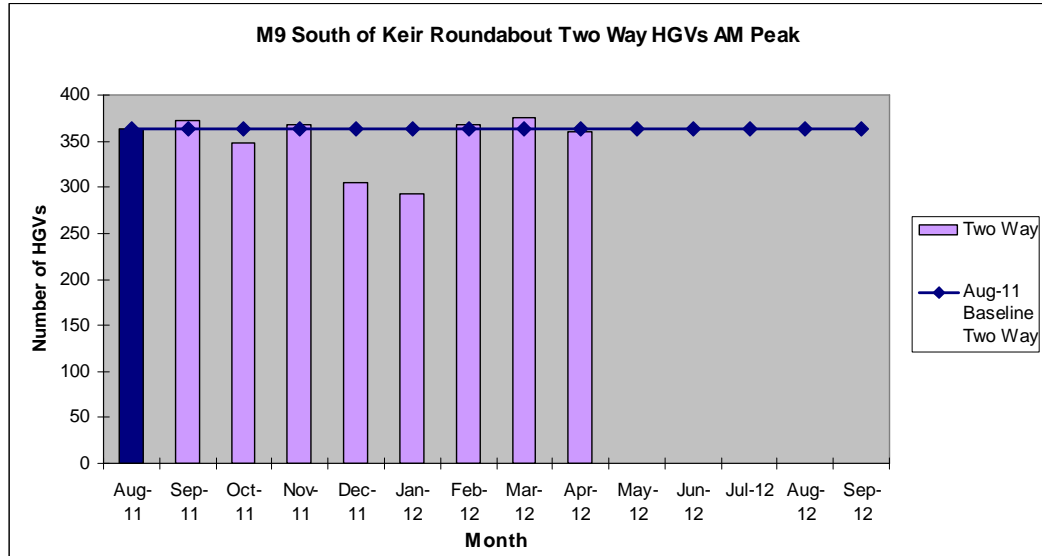


Figure 3-15 Monthly Two Way AM Peak HGV Flows on the M9 200m South of Keir Roundabout

3.1.6 Monthly Average PM Peak HGV Flows

Table 3-6 Site: JTC00068 PM Peak HGV Traffic Flows – August 2011 to September 2012

Counter	Location	Date	NB	SB	Two Way
JTC00068	M9 200m South of Keir Roundabout	Aug-11	148	210	358
		Sep-11	152	212	365
		Oct-11	147	202	350
		Nov-11	159	250	409
		Dec-11	131	204	335
		Jan-12	128	200	328
		Feb-12	161	232	393
		Mar-12	147	232	379
		Apr-12	150	204	354
		May-12	No Data	No Data	No Data
		Jun-12	No Data	No Data	No Data
		Jul-12	No Data	No Data	No Data
		Aug-12	No Data	No Data	No Data
		Sep-12	No Data	No Data	No Data
		Annual Average	147	216	363

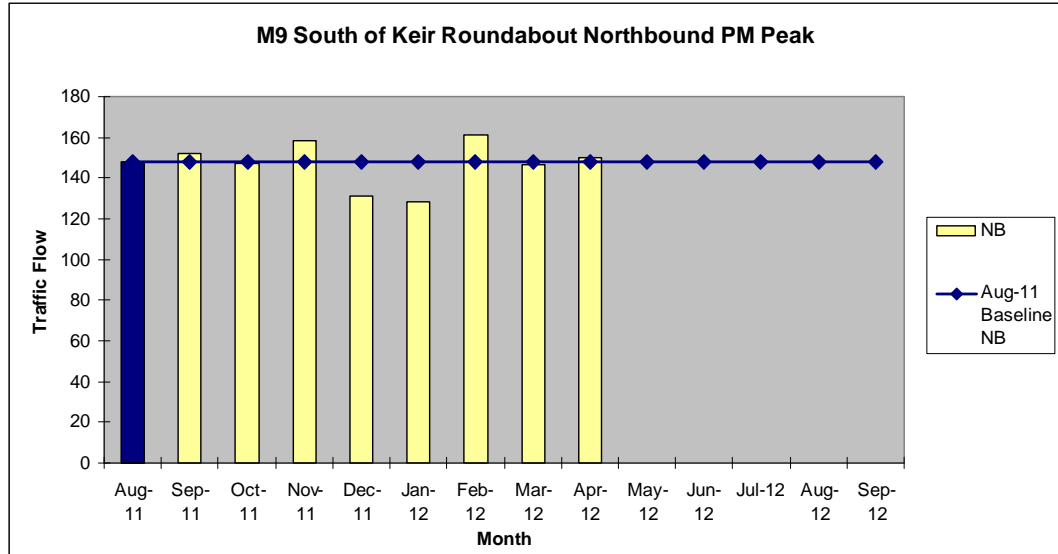


Figure 3-16 Monthly Northbound PM HG V Peak Flows on the M9 200m South of Keir Roundabout

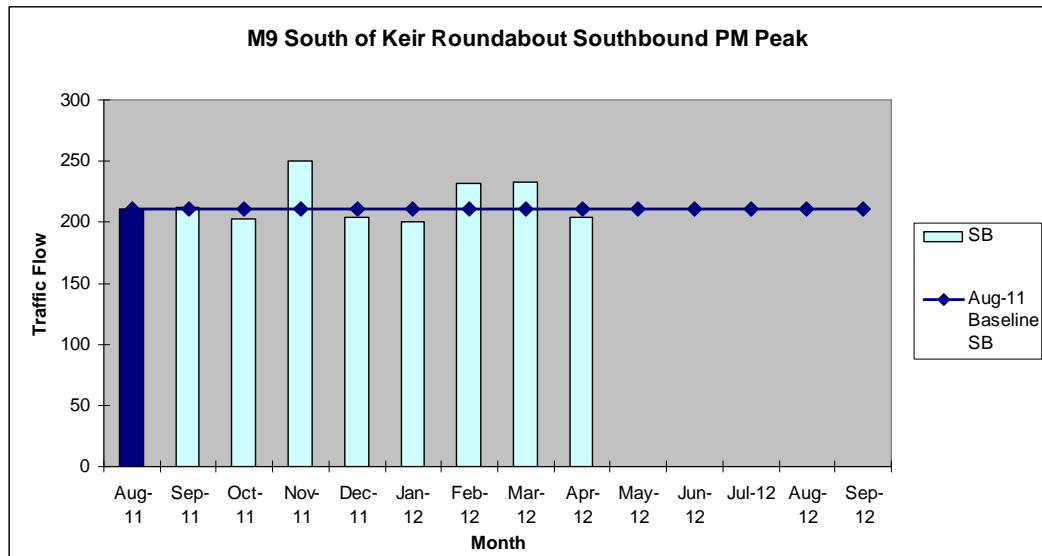


Figure 3-17 Monthly Southbound PM Peak HG V Flows on the M9 200m South of Keir Roundabout

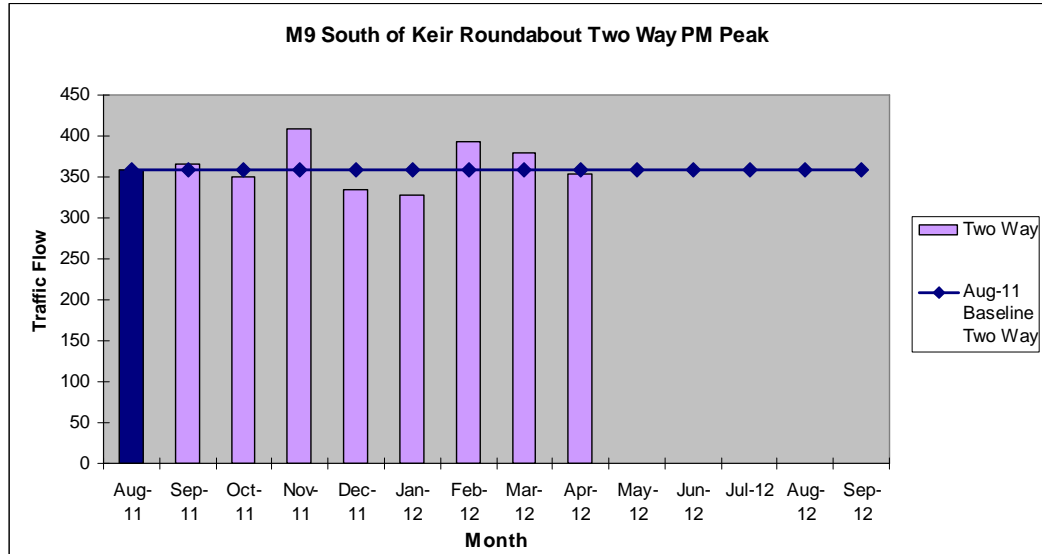


Figure 3-18 Monthly Two Way PM Peak HGV Flows on the M9 200m South of Keir Roundabout

3.1.7 Monthly Average All Vehicles Traffic Speeds

Table 3-7 Site: JTC00068 Average Monthly Traffic Speeds (KPH) (All Vehicles) – August 2011 to September 2012

Counter	Location	Date	NB	SB
JTC00068	M9 200m South of Keir Roundabout	Aug-11	100	108
		Sep-11	100	108
		Oct-11	100	107
		Nov-11	98	105
		Dec-11	97	104
		Jan-12	99	104
		Feb-12	95	101
		Mar-12	100	106
		Apr-12	100	108
		May-12	No Data	No Data
		Jun-12	No Data	No Data
		Jul-12	No Data	No Data
		Aug-12	No Data	No Data
		Sep-12	No Data	No Data

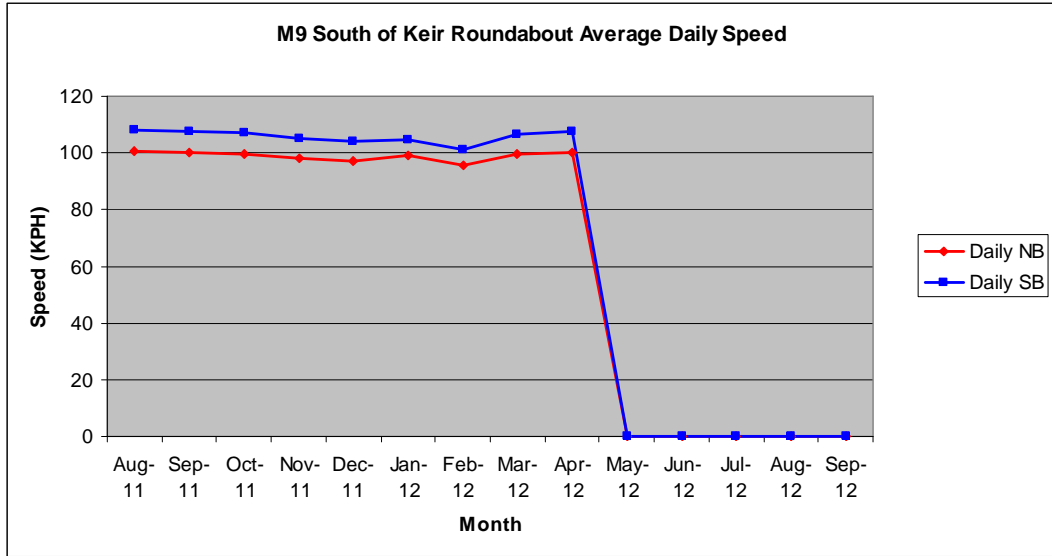


Figure 3-19 Average Monthly Traffic Speeds (KPH) on the M9 200m South of Keir Roundabout

3.2 Traffic Counter JTC00439 – M9 South of Junction 2 (Philpstoun)

Summary of statistics between August 2011 and September 2012:

- Limited traffic flow data was available for September 2012, therefore the data was not considered to be sufficiently representative for analysis.
- The data follows a typical seasonal variation pattern, with higher flows during the months of August 2011 and May 2012 and lower flows during the months of December 2011 and January 2012.
- At this particular location, the AADT flows and the PM peak flows are lower in August 2012, when compared to August 2011.
- All flow groups have a low flow for July 2012, this is not in keeping with seasonal variation, however, may be due to local factors.
- HGV flows follow a similar seasonal pattern.

3.2.1 Monthly Average Traffic Flows

Table 3-8 Site: JTC00439 Annual Traffic Flows – August 2011 to September 2012

Counter	Location	Date	NB	SB	Two Way
JTC00439	M9 South of Junction 2 (Philpstoun)	Aug-11	13,806	14,263	28,069
		Sep-11	13,495	14,009	27,505
		Oct-11	13,242	13,763	27,006
		Nov-11	13,005	13,587	26,592
		Dec-11	11,195	11,792	22,987
		Jan-12	11,047	11,579	22,625
		Feb-12	12,364	12,862	25,226
		Mar-12	12,866	13,308	26,173
		Apr-12	12,162	12,600	24,762
		May-12	13,167	13,510	26,677
		Jun-12	12,728	13,235	25,963
		Jul-12	11,636	11,995	23,631
		Aug-12	12,279	13,090	25,369
		Sep-12	No Data	No Data	No Data
		Annual Average		12,559	13,042

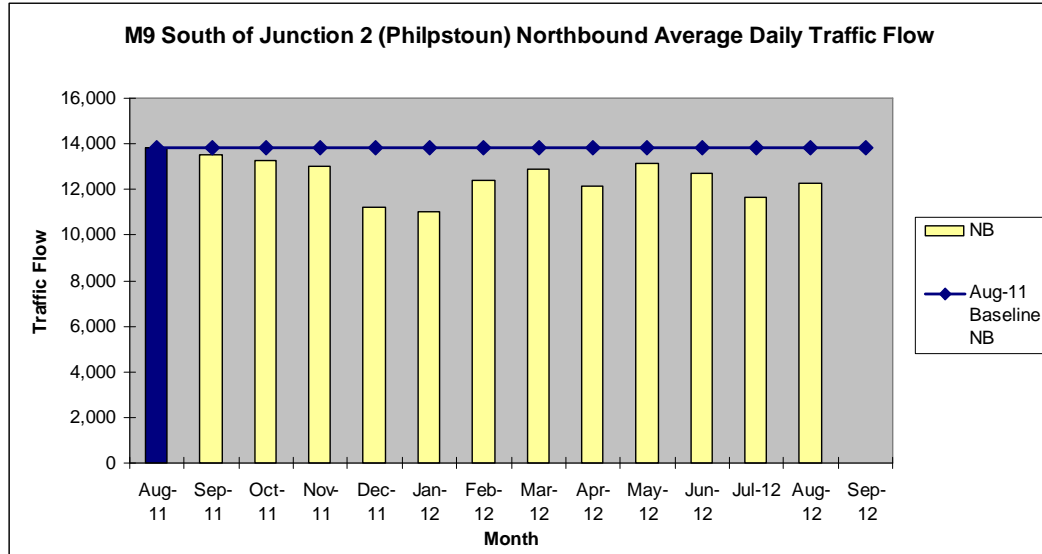


Figure 3-20 Monthly Northbound AADTs on the M9 South of Junction 2 (Philpstoun)

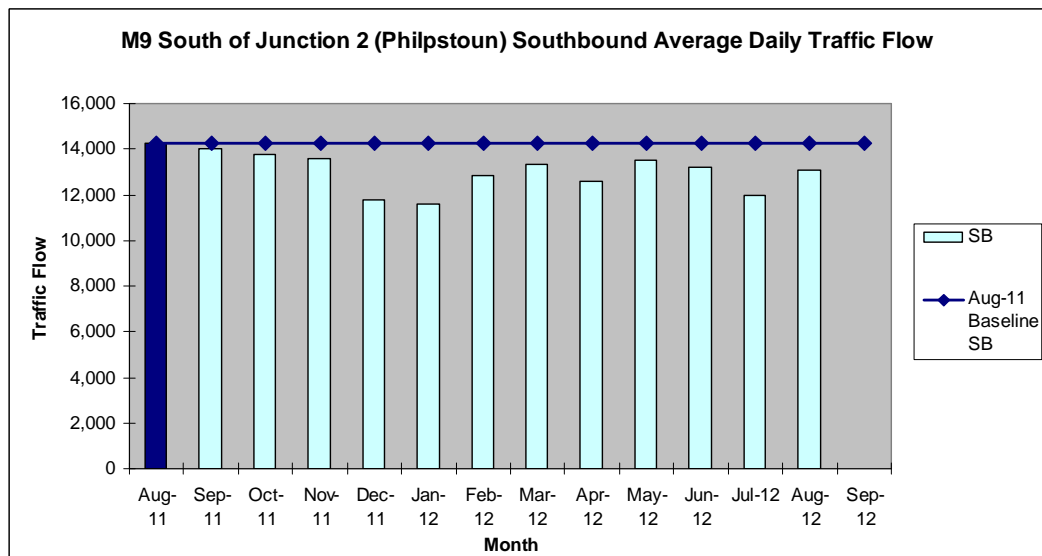


Figure 3-21 Monthly Southbound AADTs on the M9 South of Junction 2 (Philpstoun)

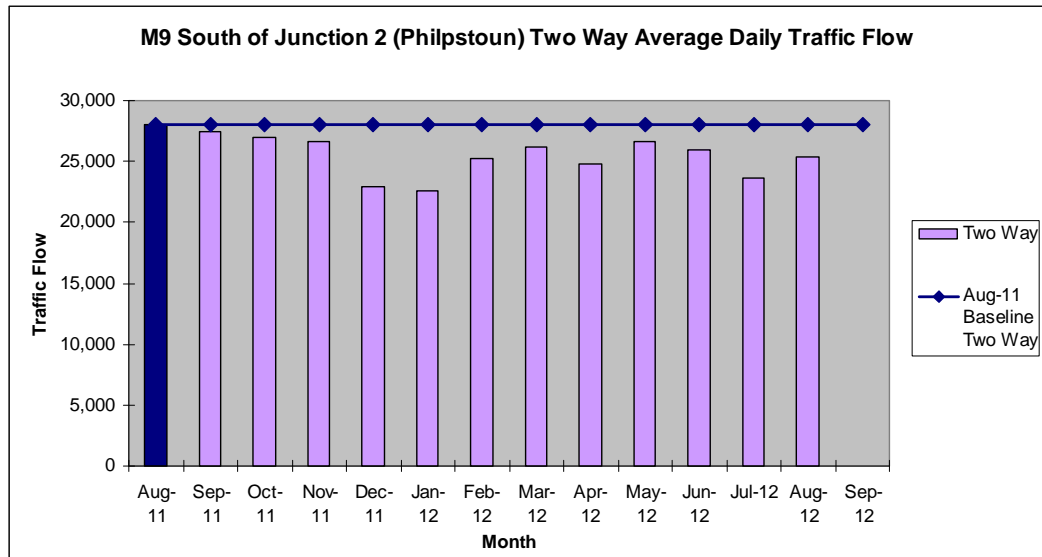


Figure 3-22 Monthly Two Way Daily Traffic Flows on the M9 South of Junction 2 (Philpstoun)

3.2.2 Monthly Average AM Peak Traffic Flows

Table 3-9 Site: JTC00439 AM Peak Traffic Flows – August 2011 to September 2012

Counter	Location	Date	NB	SB	Two Way
JTC00439	M9 South of Junction 2 (Philpstoun)	Aug-11	1,934	4,276	6,210
		Sep-11	1,974	4,406	6,381
		Oct-11	1,855	4,136	5,991
		Nov-11	1,912	4,426	6,339
		Dec-11	1,496	3,411	4,907
		Jan-12	1,559	3,751	5,310
		Feb-12	1,820	4,209	6,029
		Mar-12	1,938	4,300	6,238
		Apr-12	1,784	3,923	5,706
		May-12	1,946	4,251	6,197
		Jun-12	1,836	3,965	5,801
		Jul-12	1,603	3,390	4,993
		Aug-12	1,903	4,115	6,018
Sep-12	No Data	No Data	No Data		
Annual Average			1,805	4,037	5,842

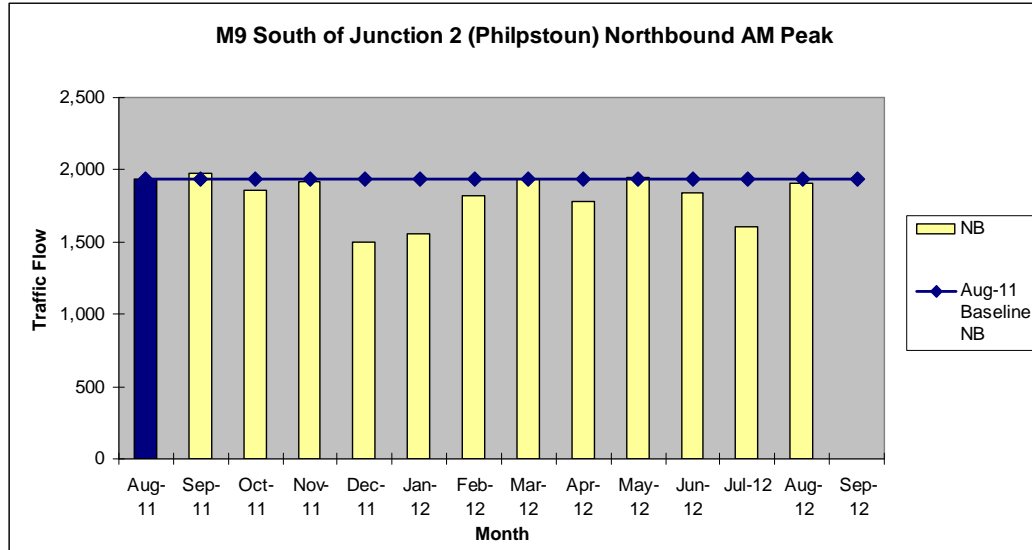


Figure 3-23 Monthly Northbound AM Peak Flows on the M9 South of Junction 2 (Philpstoun)

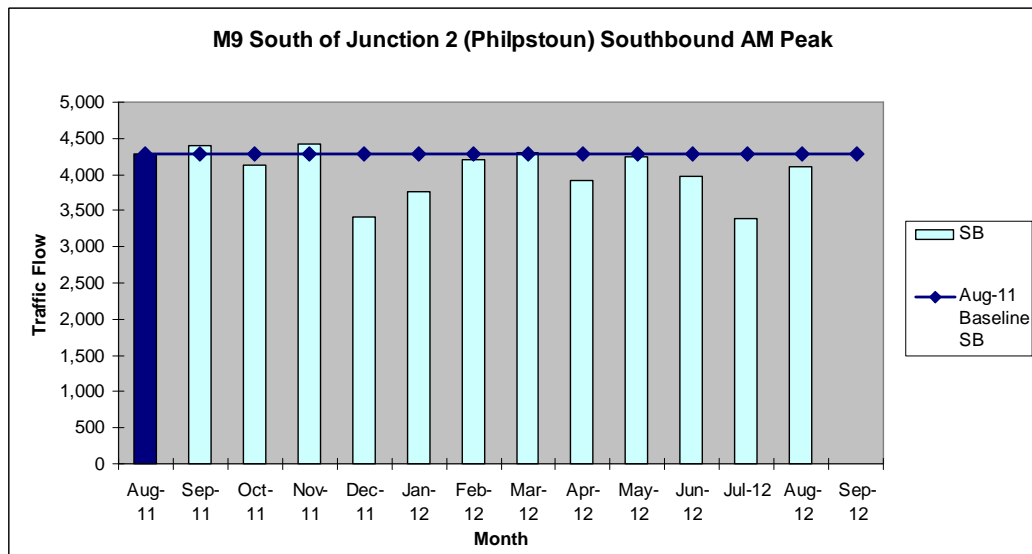


Figure 3-24 Monthly Southbound AM Peak Flows on the M9 South of Junction 2 (Philpstoun)

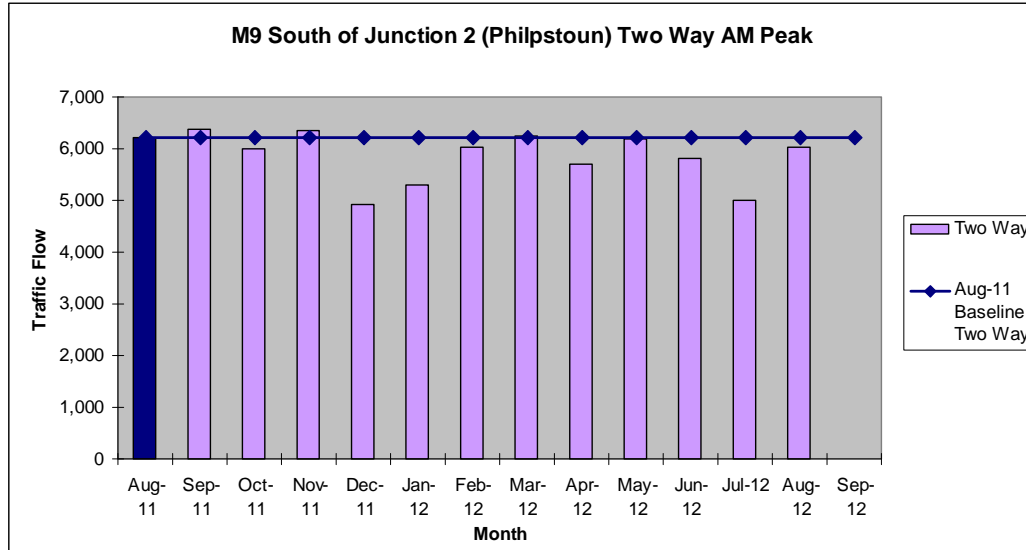


Figure 3-25 Monthly Two Way AM Peak Flows on the M9 South of Junction 2 (Philpstoun)

3.2.3 Monthly Average PM Peak Traffic Flows

Table 3-10 Site: JTC00439 PM Peak Traffic Flows – August 2011 to September 2012

Counter	Location	Date	NB	SB	Two Way
JTC00439	M9 South of Junction 2 (Philpstoun)	Aug-11	4,312	2,560	6,872
		Sep-11	4,235	2,449	6,684
		Oct-11	4,137	2,473	6,610
		Nov-11	4,160	2,305	6,464
		Dec-11	3,248	1,915	5,163
		Jan-12	3,671	1,929	5,600
		Feb-12	4,028	2,153	6,181
		Mar-12	4,077	2,289	6,366
		Apr-12	3,871	2,211	6,082
		May-12	4,139	2,398	6,537
		Jun-12	3,846	2,259	6,105
		Jul-12	3,467	2,090	5,558
		Aug-12	3,579	2,199	5,778
		Sep-12	No Data	No Data	No Data
Annual Average		3,933	2,253	6,185	

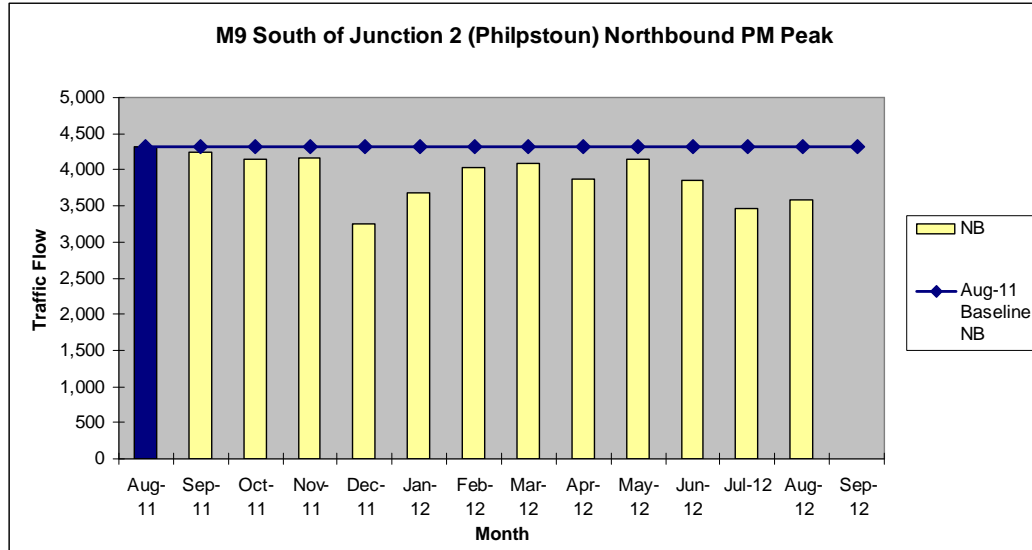


Figure 3-26 Monthly Northbound PM Peak Flows on the M9 South of Junction 2 (Philpstown)

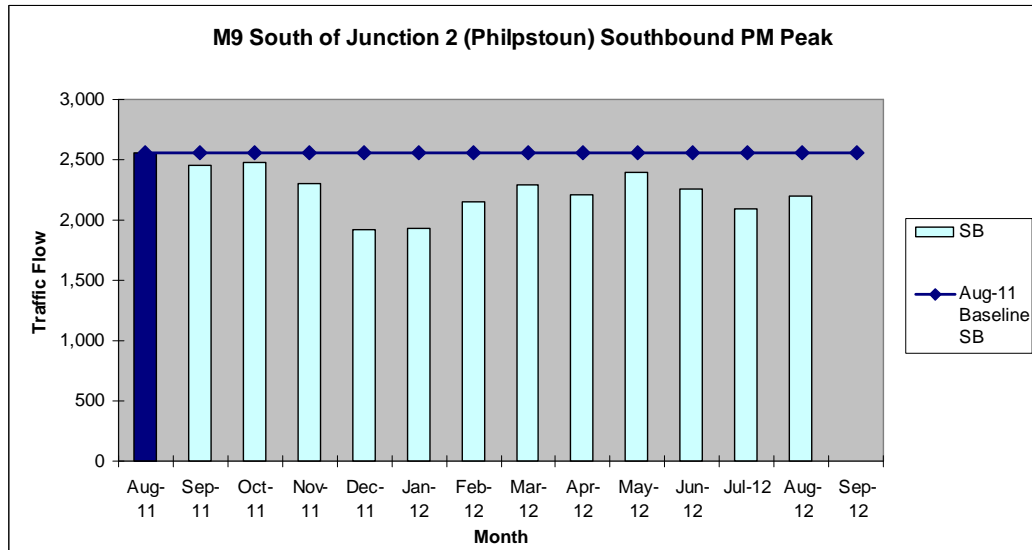


Figure 3-27 Monthly Southbound PM Peak Flows on the M9 South of Junction 2 (Philpstown)

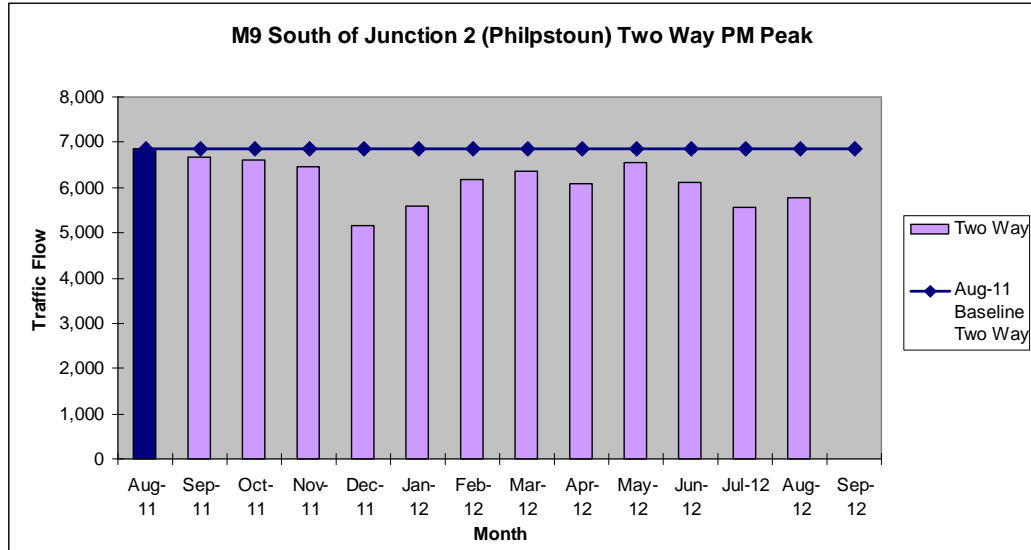


Figure 3-28 Monthly Two Way PM Peak Flows on the M9 South of Junction 2 (Philpstoun)

3.2.4 Monthly Average HGV Flows

Table 3-11 Site: JTC00439 Annual HGV Traffic Flows – August 2011 to September 2012

Counter	Location	Date	NB	SB	Two Way
JTC00439	M9 South of Junction 2 (Philpstoun)	Aug-11	504	513	1,018
		Sep-11	517	531	1,048
		Oct-11	482	492	974
		Nov-11	493	500	994
		Dec-11	445	467	912
		Jan-12	404	422	826
		Feb-12	455	465	920
		Mar-12	482	492	974
		Apr-12	453	467	920
		May-12	499	504	1,003
		Jun-12	485	495	980
		Jul-12	444	461	905
		Aug-12	489	511	1,000
		Sep-12	No Data	No Data	No Data
Annual Average			472	484	956

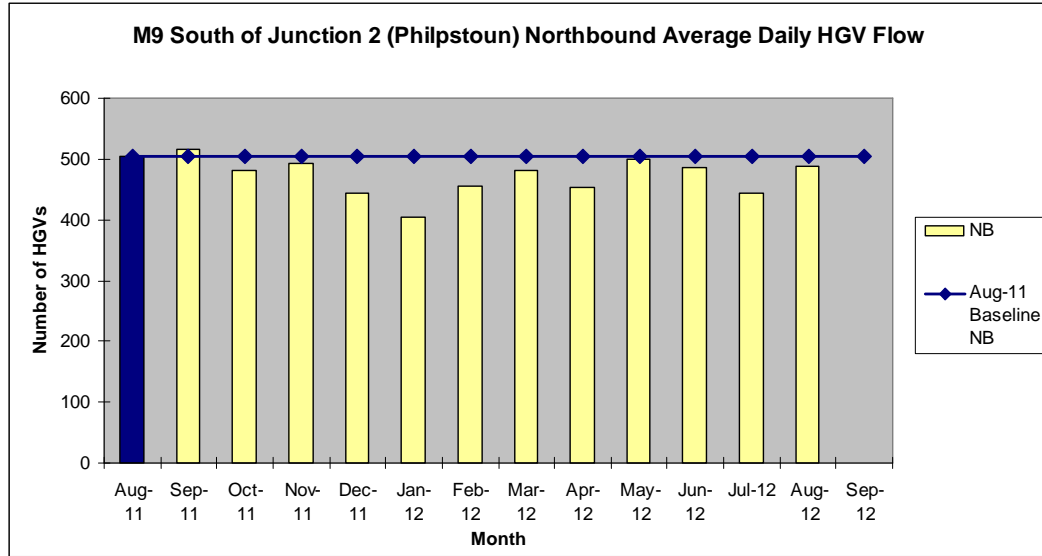


Figure 3-29 Monthly Northbound HGVS Traffic Flows on the M9 South of Junction 2 (Philpstoun)

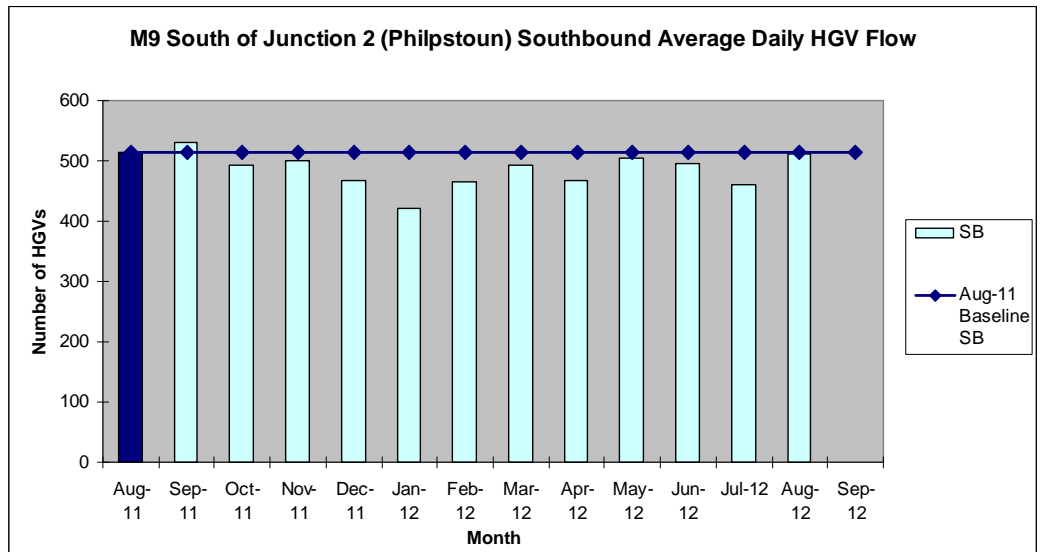


Figure 3-30 Monthly Southbound HGVS Traffic Flows on the M9 South of Junction 2 (Philpstoun)

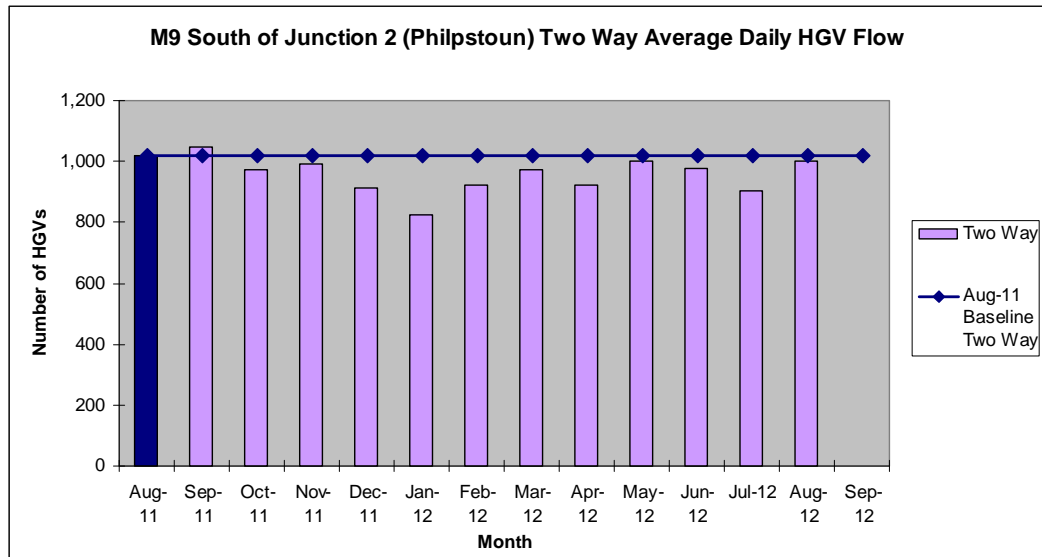


Figure 3-31 Monthly Two Way HGV Traffic Flows on the M9 South of Junction 2 (Philpstoun)

3.2.5 Monthly Average AM Peak HGV Flows

Table 3-12 Site: JTC00439 AM Peak HGV Traffic Flows – August 2011 to September 2012

Counter	Location	Date	NB	SB	Two Way
JTC00439	M9 South of Junction 2 (Philpstoun)	Aug-11	103	106	209
		Sep-11	99	106	205
		Oct-11	93	95	188
		Nov-11	93	99	192
		Dec-11	82	84	166
		Jan-12	76	83	159
		Feb-12	89	88	177
		Mar-12	94	96	191
		Apr-12	88	88	177
		May-12	95	98	193
		Jun-12	96	99	194
		Jul-12	92	91	184
		Aug-12	105	112	217
Sep-12	No Data	No Data	No Data		
		Annual Average	92	95	186

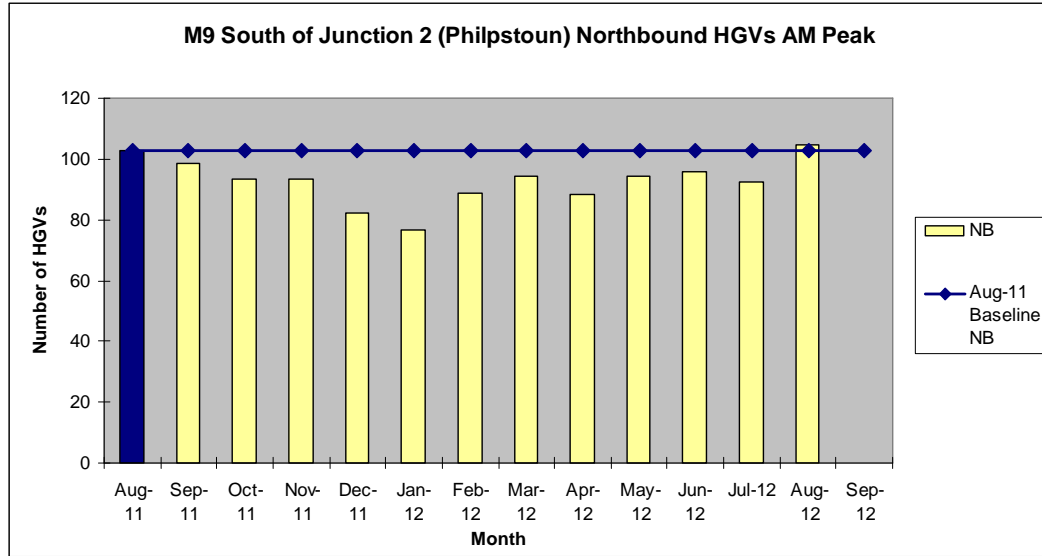


Figure 3-32 Monthly Northbound AM Peak HGVS on the M9 South of Junction 2 (Philpstoun)

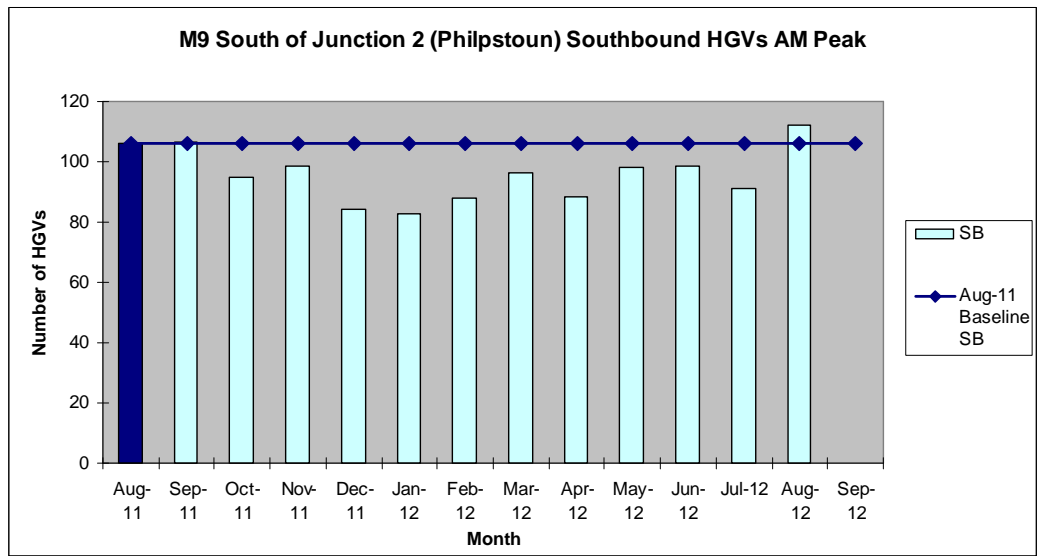


Figure 3-33 Monthly Southbound AM Peak HGVS on the M9 South of Junction 2 (Philpstoun)

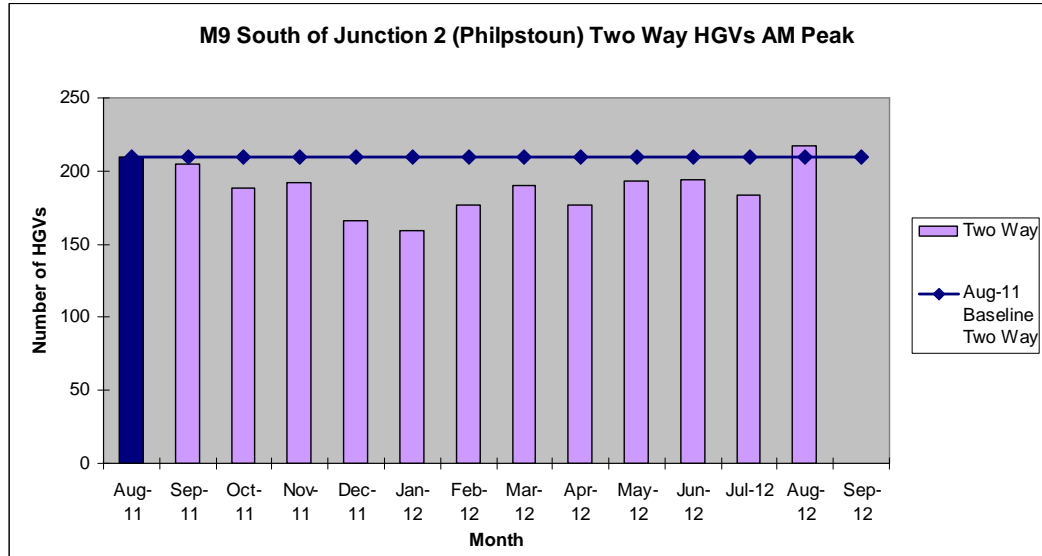


Figure 3-34 Monthly Two Way AM Peak HGV Flows on the M9 South of Junction 2 (Philpstoun)

3.2.6 Monthly Average PM Peak HGV Flows

Table 3-13 Site: JTC00439 PM Peak HGV Traffic Flows – August 2011 to September 2012

Counter	Location	Date	NB	SB	Two Way
JTC00439	M9 South of Junction 2 (Philpstoun)	Aug-11	66	69	135
		Sep-11	69	70	139
		Oct-11	62	64	127
		Nov-11	57	63	120
		Dec-11	56	59	115
		Jan-12	52	53	105
		Feb-12	56	54	110
		Mar-12	62	61	123
		Apr-12	60	56	117
		May-12	68	66	134
		Jun-12	64	60	124
		Jul-12	57	55	112
		Aug-12	54	58	113
		Sep-12	No Data	No Data	No Data
		Annual Average	61	61	122

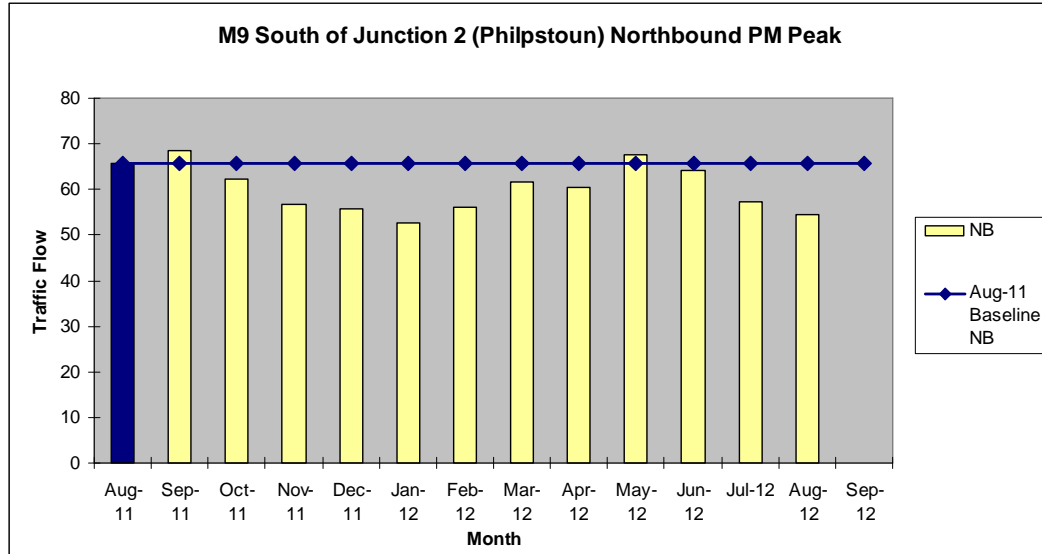


Figure 3-35 Monthly Northbound PM HG V Peak Flows on the M9 South of Junction 2 (Philpstoun)

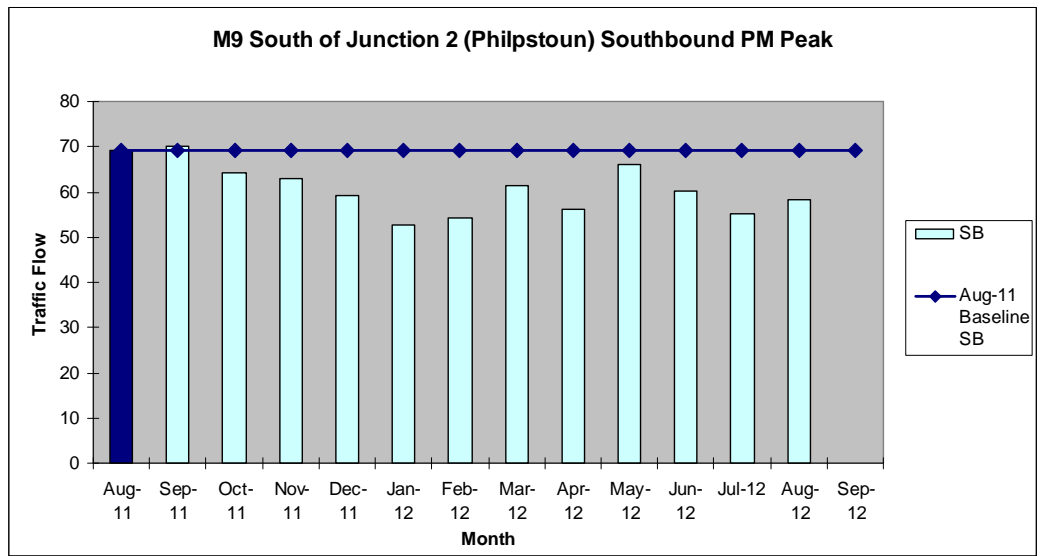


Figure 3-36 Monthly Southbound PM Peak HG V Flows on the M9 South of Junction 2 (Philpstoun)

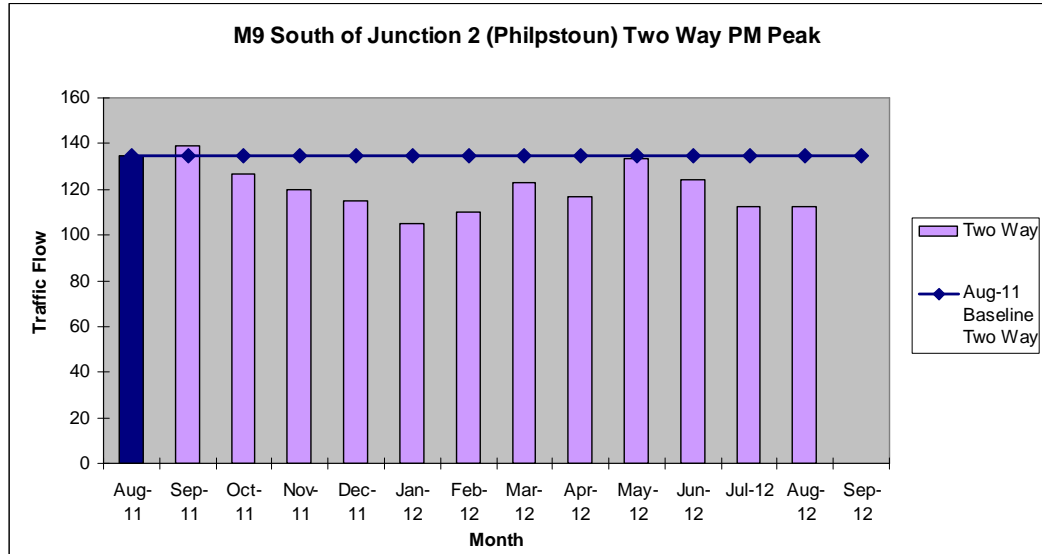


Figure 3-37 Monthly Two Way PM Peak HGV Flows on the M9 South of Junction 2 (Philpstoun)

3.2.7 Monthly Average All Vehicles Traffic Speeds

Table 3-14 Site: JTC00439 Average Monthly Traffic Speeds (KPH) (All Vehicles) – August 2011 to September 2012

Counter	Location	Date	NB	SB
JTC00439	M9 South of Junction 2 (Philpstoun)	Aug-11	110	112
		Sep-11	109	111
		Oct-11	109	110
		Nov-11	107	109
		Dec-11	103	106
		Jan-12	103	106
		Feb-12	104	107
		Mar-12	106	98
		Apr-12	106	90
		May-12	No Data	No Data
		Jun-12	No Data	No Data
		Jul-12	No Data	No Data
		Aug-12	No Data	No Data
		Sep-12	No Data	No Data

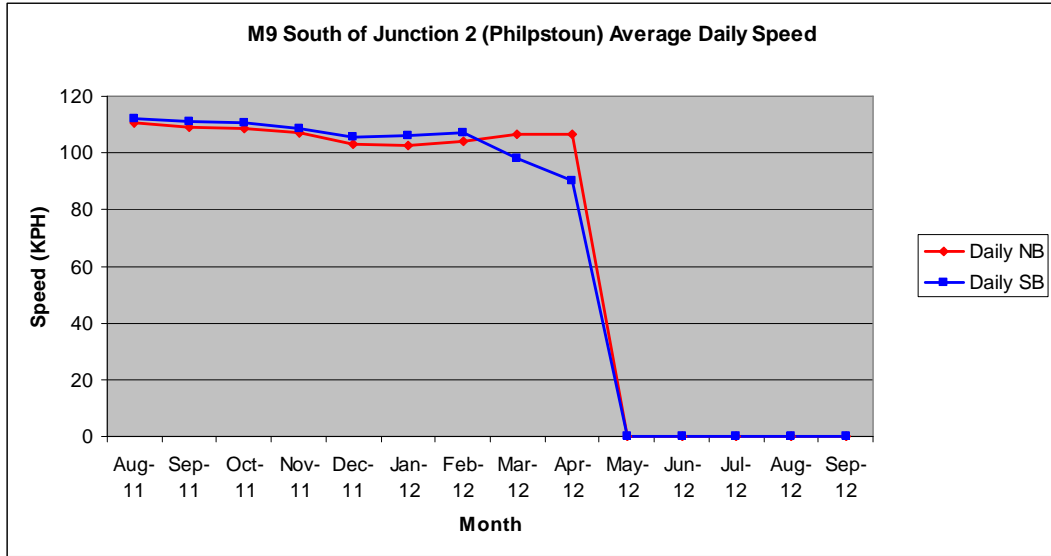


Figure 3-38 Average Monthly Traffic Speeds (KPH) on the M9 South of Junction 2 (Philpstoun)

3.3 Traffic Counter JTC00478 – A823 (M) M90 Junction 2 Southbound On-Ramp

Summary of statistics between August 2011 and September 2012:

- Limited traffic flow data was available for March 2012 and from May 2012 to September 2012, therefore the data was not considered to be sufficiently representative for analysis.
- The data across all three flow groups decreases from August 2011 to April 2012, this is not in keeping with typical seasonal variation.
- HGV flows follow a similar pattern.

3.3.1 Monthly Average Traffic Flows

Table 3-15 Site: JTC00478 Annual Traffic Flows – August 2011 to September 2012

Counter	Location	Date	SB
JTC00478	A823 (M) M90 Junction 2 Southbound On-Ramp	Aug-11	3,813
		Sep-11	3,141
		Oct-11	No Data
		Nov-11	2,520
		Dec-11	2,403
		Jan-12	2,273
		Feb-12	1,993
		Mar-12	No Data
		Apr-12	No Data
		May-12	No Data
		Jun-12	No Data
		Jul-12	No Data
		Aug-12	No Data
		Sep-12	No Data
		Annual Average	2,488

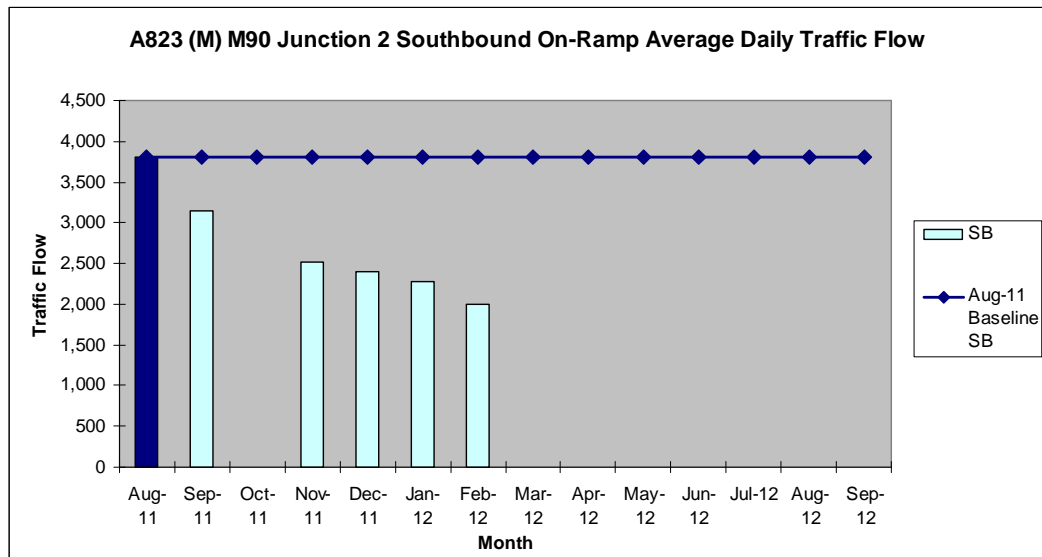


Figure 3-39 Monthly Southbound AADTs on the A823 (M) M90 Junction 2 Southbound On-Ramp

3.3.2 Monthly Average AM Peak Traffic Flows

Table 3-16 Site: JTC00478 AM Peak Traffic Flows – August 2011 to September 2012

Counter	Location	Date	SB
JTC00478	A823 (M) M90 Junction 2 Southbound On-Ramp	Aug-11	699
		Sep-11	573
		Oct-11	No Data
		Nov-11	454
		Dec-11	444
		Jan-12	409
		Feb-12	347
		Mar-12	No Data
		Apr-12	No Data
		May-12	No Data
		Jun-12	No Data
		Jul-12	No Data
		Aug-12	No Data
		Sep-12	No Data
		Annual Average	443

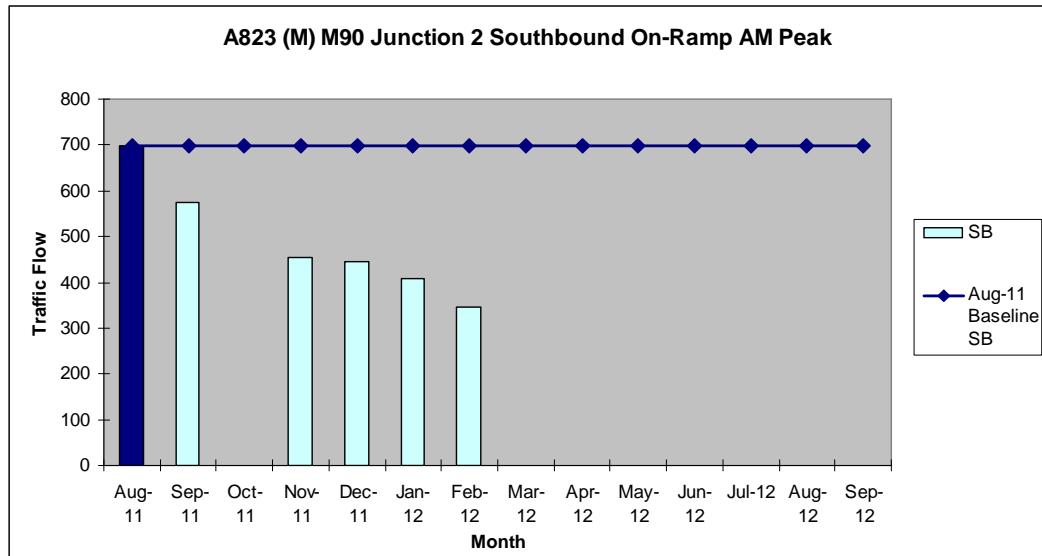


Figure 3-40 Monthly Southbound AM Peak Flows on the A823 (M) M90 Junction 2 Southbound On-Ramp

3.3.3 Monthly Average PM Peak Traffic Flows

Table 3-17 Site: JTC00478 PM Peak Traffic Flows – August 2011 to September 2012

Counter	Location	Date	SB
JTC00478	A823 (M) M90 Junction 2 Southbound On-Ramp	Aug-11	1,088
		Sep-11	922
		Oct-11	No Data
		Nov-11	754
		Dec-11	644
		Jan-12	687
		Feb-12	611
		Mar-12	No Data
		Apr-12	No Data
		May-12	No Data
		Jun-12	No Data
		Jul-12	No Data
		Aug-12	No Data
		Sep-12	No Data
		Annual Average	723

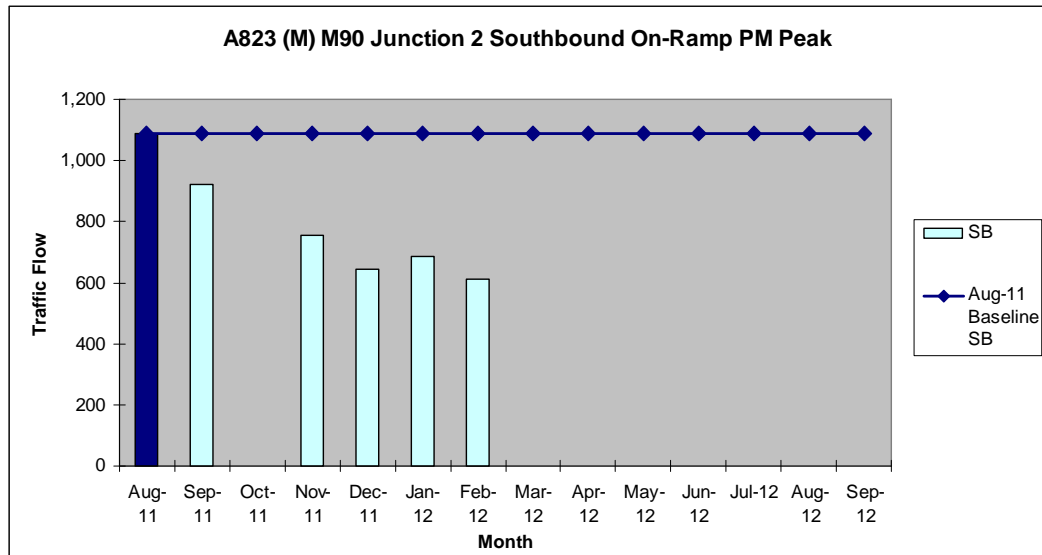


Figure 3-41 Monthly Southbound PM Peak Flows on the A823 (M) M90 Junction 2 Southbound On-Ramp

3.3.4 Monthly Average HGV Flows

Table 3-18 Site: JTC00478 Annual HGV Traffic Flows – August 2011 to September 2012

Counter	Location	Date	SB
JTC00478	A823 (M) M90 Junction 2 Southbound On-Ramp	Aug-11	76
		Sep-11	43
		Oct-11	No Data
		Nov-11	41
		Dec-11	55
		Jan-12	23
		Feb-12	21
		Mar-12	No Data
		Apr-12	No Data
		May-12	No Data
		Jun-12	No Data
		Jul-12	No Data
		Aug-12	No Data
		Sep-12	No Data
		Annual Average	37

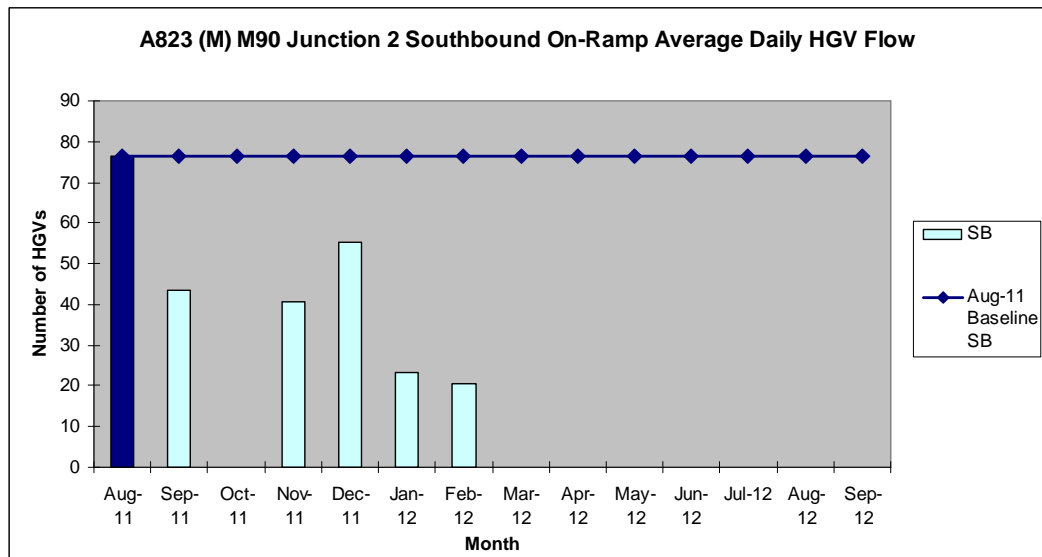


Figure 3-42 Monthly Southbound HGV Traffic Flows on the A823 (M) M90 Junction 2 Southbound On-Ramp

3.3.5 Monthly Average AM Peak HGV Flows

Table 3-19 Site: JTC00478 AM Peak HGV Traffic Flows – August 2011 to September 2012

Counter	Location	Date	SB
JTC00478	A823 (M) M90 Junction 2 Southbound On-Ramp	Aug-11	20
		Sep-11	13
		Oct-11	No Data
		Nov-11	13
		Dec-11	13
		Jan-12	7
		Feb-12	6
		Mar-12	No Data
		Apr-12	No Data
		May-12	No Data
		Jun-12	No Data
		Jul-12	No Data
		Aug-12	No Data
		Sep-12	No Data

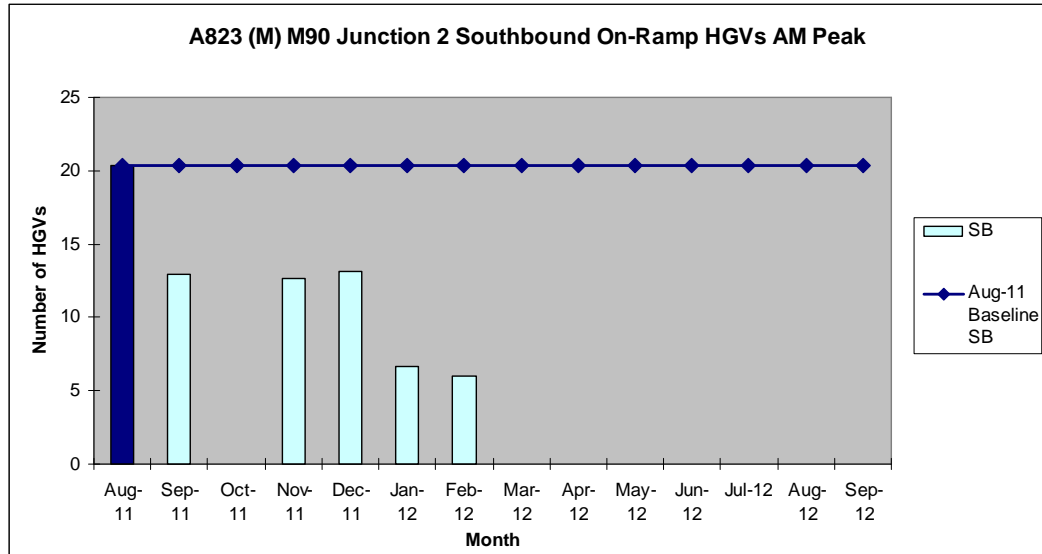


Figure 3-43 Monthly Westbound AM Peak HGV Flows on the A823 (M) M90 Junction 2 Southbound On-Ramp

3.3.6 Monthly Average PM Peak HGV Flows

Table 3-20 Site: JTC00478 PM Peak HGV Traffic Flows – August 2011 to September 2012

Counter	Location	Date	SB
JTC00478	A823 (M) M90 Junction 2 Southbound On-Ramp	Aug-11	9
		Sep-11	4
		Oct-11	No Data
		Nov-11	4
		Dec-11	9
		Jan-12	3
		Feb-12	2
		Mar-12	No Data
		Apr-12	No Data
		May-12	No Data
		Jun-12	No Data
		Jul-12	No Data
		Aug-12	No Data
		Sep-12	No Data
		Annual Average	4

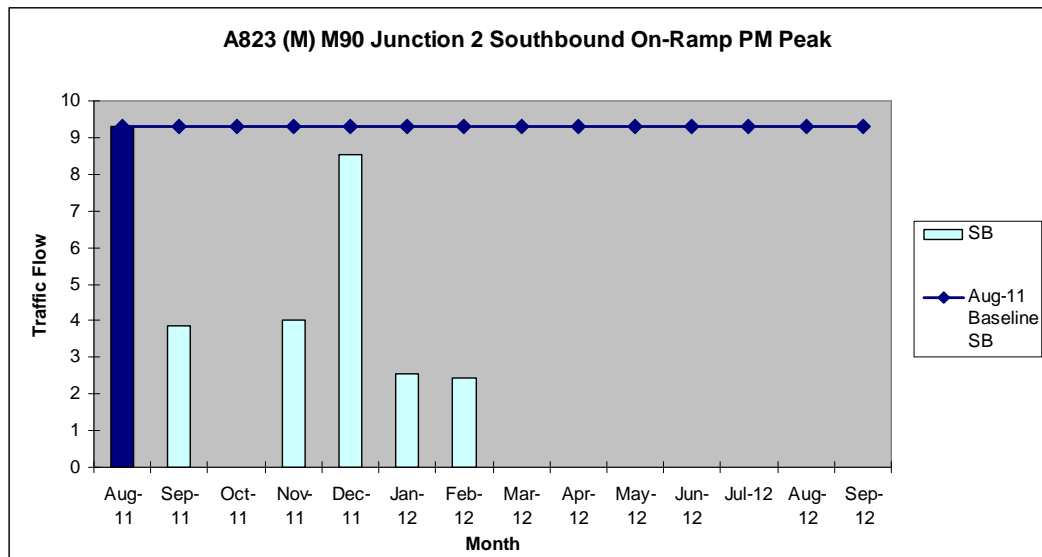


Figure 3-44 Monthly Southbound PM Peak HGV Flows on the A823 (M) M90 Junction 2 Southbound On-Ramp

3.3.7 Monthly Average All Vehicles Traffic Speeds

Table 3-21 Site: JTC00478 Average Monthly Traffic Speeds (KPH) (All Vehicles) – August 2011 to September 2012

Counter	Location	Date	SB
JTC00478	A823 (M) M90 Junction 2 Southbound On-Ramp	Aug-11	85
		Sep-11	85
		Oct-11	No Data
		Nov-11	60
		Dec-11	58
		Jan-12	55
		Feb-12	47
		Mar-12	No Data
		Apr-12	No Data
		May-12	No Data
		Jun-12	No Data
		Jul-12	No Data
		Aug-12	No Data
Sep-12	No Data		

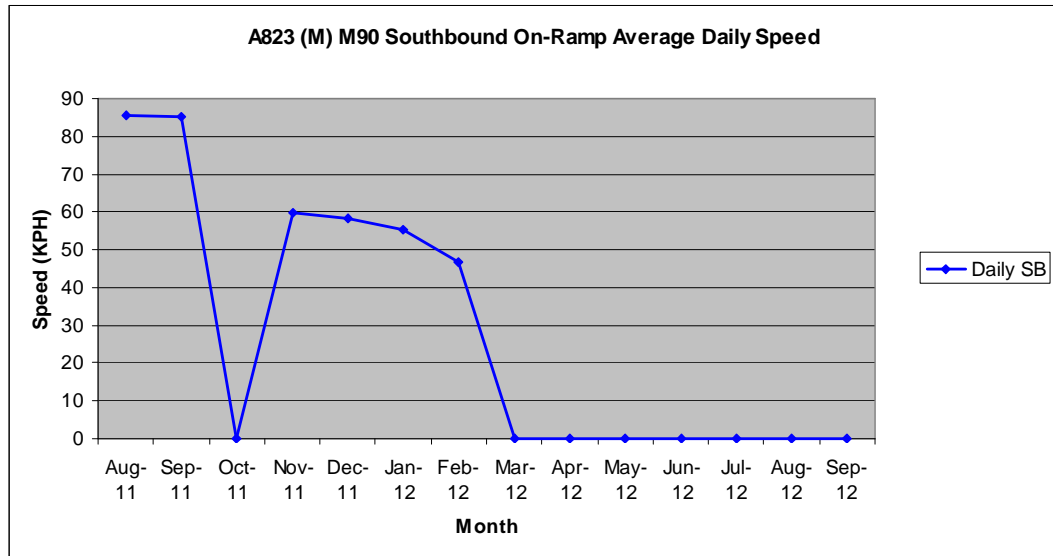


Figure 3-45 Average Monthly Traffic Speeds (KPH) on the A823 (M) M90 Junction 2 Southbound On-Ramp

3.4 Traffic Counter JTC00479 – A823 (M) M90 Junction 2 Southbound Off-Ramp

Summary of statistics between August 2011 and September 2012:

- Traffic flows are indicative of typical seasonal variation; with lower flows in December 2011 and January 2012 and higher flows over the summer months.
- There is a decrease in traffic volume between August 2011 and August 2012.
- There is also a drop across the flow groups in October 2011.

3.4.1 Monthly Average Traffic Flows

Table 3-22 Site: JTC00479 Annual Traffic Flows – August 2011 to September 2012

Counter	Location	Date	SB
JTC00479	A823 (M) M90 Junction 2 Southbound Off-Ramp	Aug-11	7,247
		Sep-11	6,867
		Oct-11	4,191
		Nov-11	6,107
		Dec-11	5,183
		Jan-12	5,441
		Feb-12	5,946
		Mar-12	5,872
		Apr-12	5,328
		May-12	5,994
		Jun-12	5,649
		Jul-12	5,133
		Aug-12	6,518
		Sep-12	6,066
Annual Average			5,746

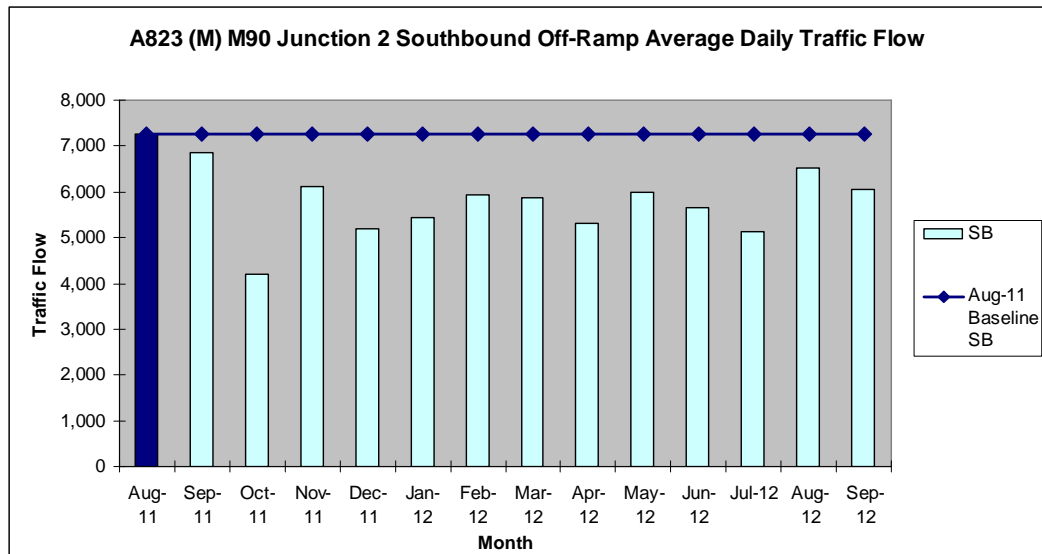


Figure 3-46 Monthly Southbound AADTs on the A823 (M) M90 Junction 2 Southbound Off-Ramp

3.4.2 Monthly Average AM Peak Traffic Flows

Table 3-23 Site: JTC00479 AM Peak Traffic Flows – August 2011 to September 2012

Counter	Location	Date	SB
JTC00479	A823 (M) M90 Junction 2 Southbound Off-Ramp	Aug-11	1,348
		Sep-11	1,331
		Oct-11	622
		Nov-11	1,201
		Dec-11	953
		Jan-12	1,122
		Feb-12	1,214
		Mar-12	1,201
		Apr-12	1,031
		May-12	1,169
		Jun-12	1,144
		Jul-12	1,007
		Aug-12	1,146
		Sep-12	1,151
		Annual Average	1,112

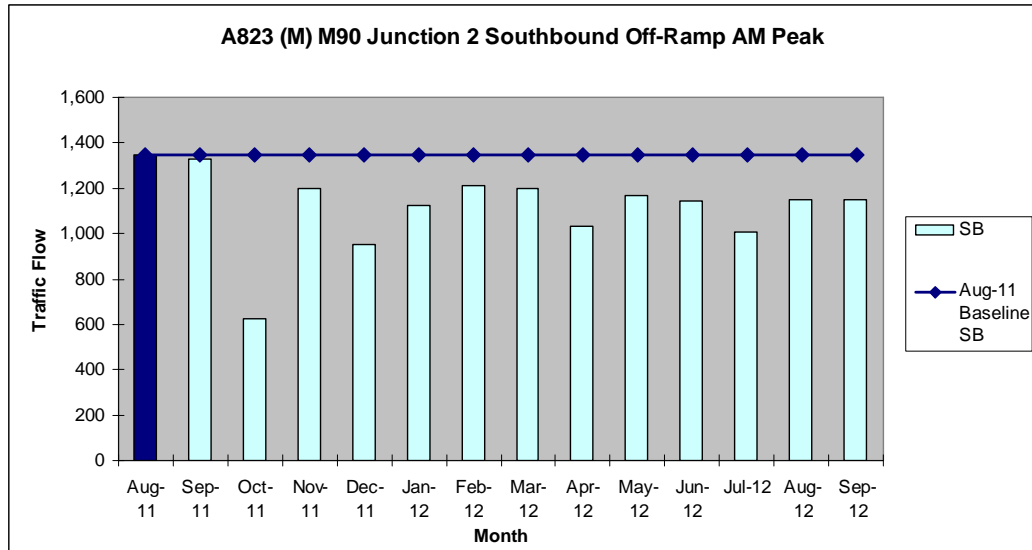


Figure 3-47 Monthly Southbound AM Peak Flows on the A823 (M) M90 Junction 2 Southbound Off-Ramp

3.4.3 Monthly Average PM Peak Traffic Flows

Table 3-24 Site: JTC00479 PM Peak Traffic Flows – August 2011 to September 2012

Counter	Location	Date	SB
JTC00479	A823 (M) M90 Junction 2 Southbound Off-Ramp	Aug-11	1,862
		Sep-11	1,747
		Oct-11	1,011
		Nov-11	1,579
		Dec-11	1,259
		Jan-12	1,448
		Feb-12	1,588
		Mar-12	1,549
		Apr-12	1,403
		May-12	1,456
		Jun-12	1,420
		Jul-12	1,325
		Aug-12	1,949
		Sep-12	1,615
		Annual Average	1,471

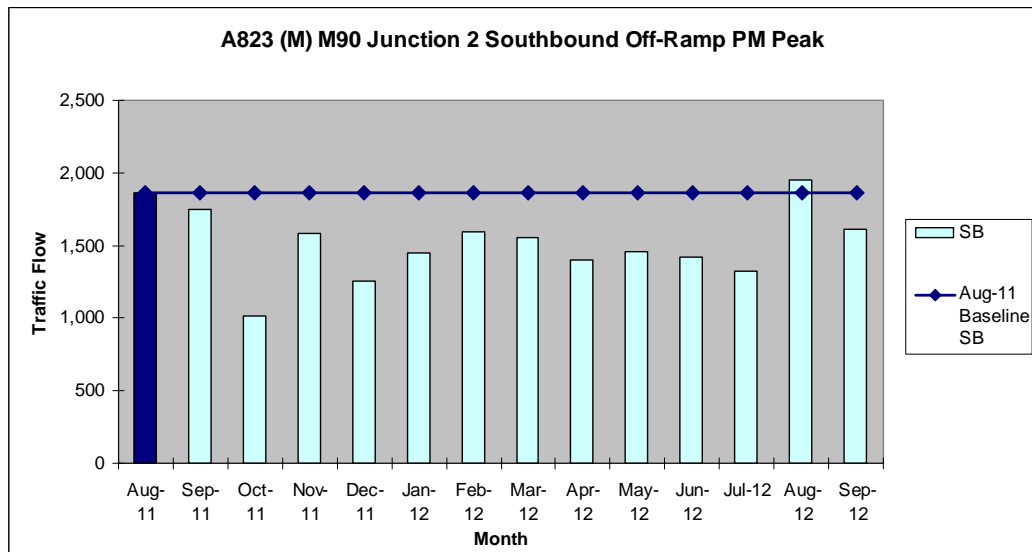


Figure 3-48 Monthly Southbound PM Peak Flows on the A823 (M) M90 Junction 2 Southbound Off-Ramp

3.4.4 Monthly Average HGV Flows

Table 3-25 Site: JTC00479 Annual HGV Traffic Flows – August 2011 to September 2012

Counter	Location	Date	SB
JTC00479	A823 (M) M90 Junction 2 Southbound Off-Ramp	Aug-11	109
		Sep-11	96
		Oct-11	49
		Nov-11	88
		Dec-11	71
		Jan-12	73
		Feb-12	83
		Mar-12	85
		Apr-12	86
		May-12	143
		Jun-12	87
		Jul-12	79
		Aug-12	104
		Sep-12	85
		Annual Average	87

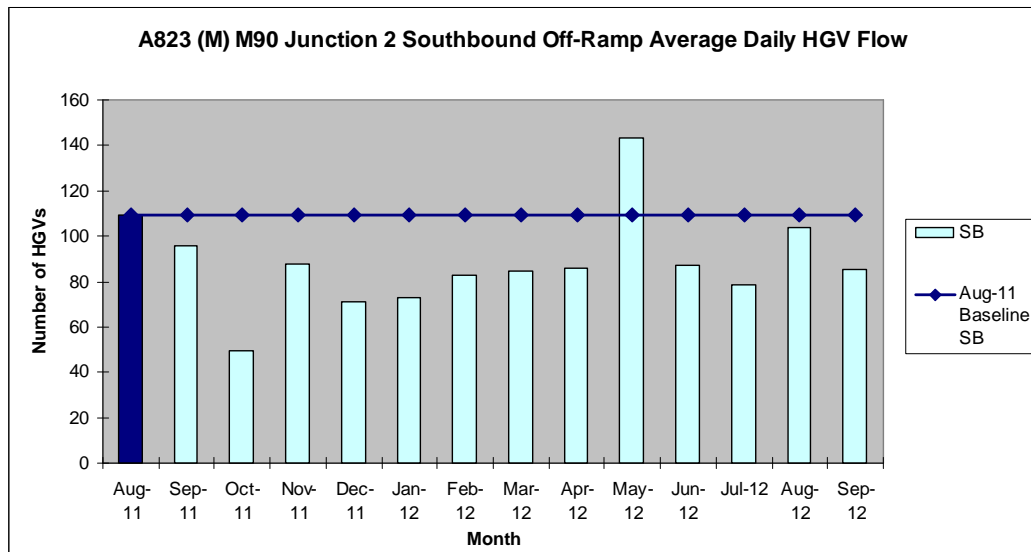


Figure 3-49 Monthly Southbound HGV Traffic Flows on the A823 (M) M90 Junction 2 Southbound Off-Ramp

3.4.5 Monthly Average AM Peak HGV Flows

Table 3-26 Site: JTC00479 AM Peak HGV Traffic Flows – August 2011 to September 2012

Counter	Location	Date	SB
JTC00479	A823 (M) M90 Junction 2 Southbound Off-Ramp	Aug-11	32
		Sep-11	29
		Oct-11	15
		Nov-11	26
		Dec-11	20
		Jan-12	23
		Feb-12	25
		Mar-12	25
		Apr-12	25
		May-12	25
		Jun-12	24
		Jul-12	23
		Aug-12	24
		Sep-12	23

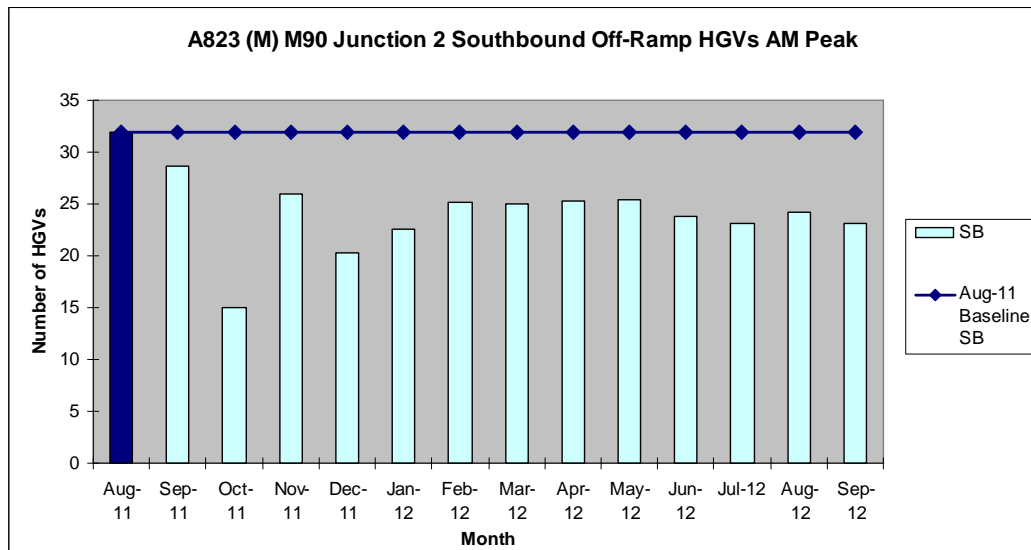


Figure 3-50 Monthly Southbound AM Peak HGV Flows on the A823 (M) M90 Junction 2 Southbound Off-Ramp

3.4.6 Monthly Average PM Peak HGV Flows

Table 3-27 Site: JTC00479 PM Peak HGV Traffic Flows – August 2011 to September 2012

Counter	Location	Date	SB
JTC00479	A823 (M) M90 Junction 2 Southbound	Aug-11	12
		Sep-11	12
		Oct-11	5
		Nov-11	10
		Dec-11	8
		Jan-12	7
		Feb-12	9
		Mar-12	9
		Apr-12	7
		May-12	10
		Jun-12	11
		Jul-12	7
		Aug-12	18
		Sep-12	12
		Annual Average	9

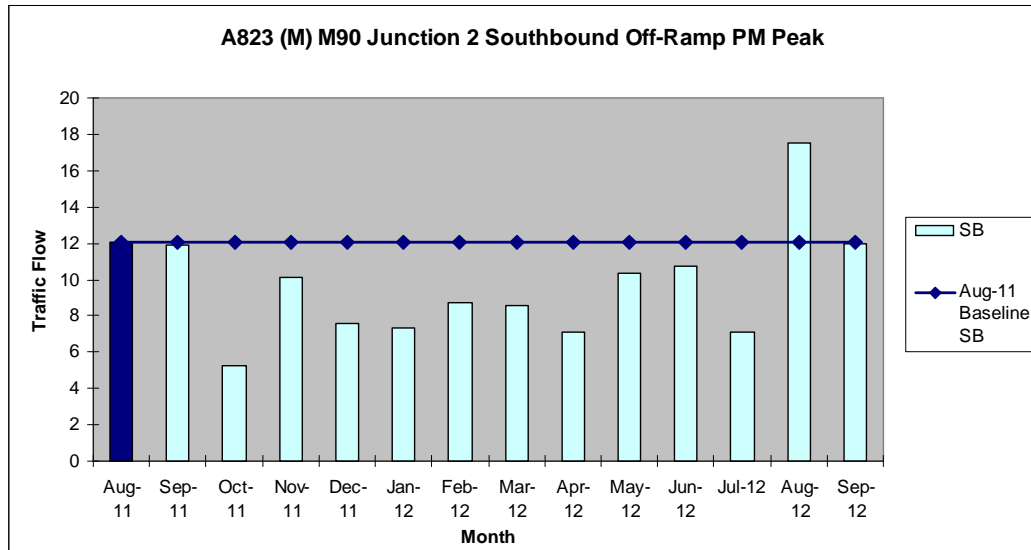


Figure 3-51 Monthly Westbound PM Peak HGV Flows on the A823 (M) M90 Junction 2 Southbound Off-Ramp

3.4.7 Monthly Average All Vehicles Traffic Speeds

Table 3-28 Site: JTC00479 Average Monthly Traffic Speeds (KPH) (All Vehicles) – August 2011 to September 2012

Counter	Location	Date	SB
JTC00479	A823 (M) M90 Junction 2 Southbound Off-Ramp	Aug-11	88
		Sep-11	85
		Oct-11	64
		Nov-11	63
		Dec-11	64
		Jan-12	63
		Feb-12	63
		Mar-12	63
		Apr-12	63
		May-12	63
		Jun-12	64
		Jul-12	66
		Aug-12	74
Sep-12	82		

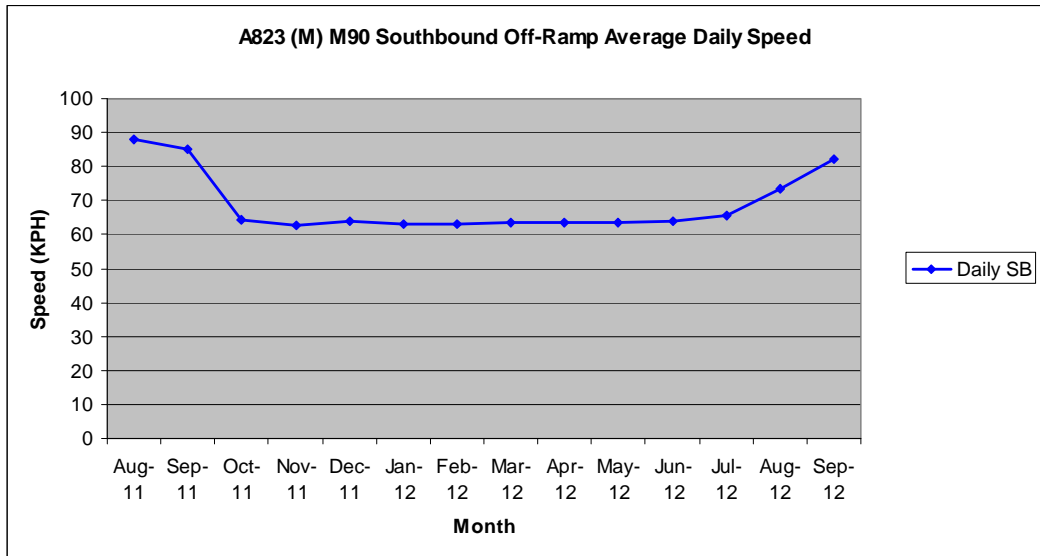


Figure 3-52 Average Monthly Traffic Speeds (KPH) on the A823 (M) M90 Junction 2 Southbound Off-Ramp

3.5 Traffic Counter JTC00589 – A8000 / M9 Spur Northbound

Summary of statistics between August 2011 and September 2012:

- Limited traffic flow data was available for July 2012 to September 2012, therefore the data was not considered to be sufficiently representative for analysis.
- Traffic flows groups are indicative of typical seasonal variation; with lower flows in December 2011 and January 2012 and higher flows over the summer months.
- There is also a drop across the flow groups in April 2012.

3.5.1 Monthly Average Traffic Flows

Table 3-29 Site: JTC00589 Annual Traffic Flows – August 2011 to September 2012

Counter	Location	Date	NB
JTC00589	A8000 / M9 Spur Northbound	Aug-11	19,549
		Sep-11	18,978
		Oct-11	16,680
		Nov-11	16,244
		Dec-11	14,064
		Jan-12	13,449
		Feb-12	15,151
		Mar-12	12,946
		Apr-12	10,839
		May-12	15,964
		Jun-12	14,641
		Jul-12	No Data
		Aug-12	No Data
		Sep-12	No Data
		Annual Average	15,319

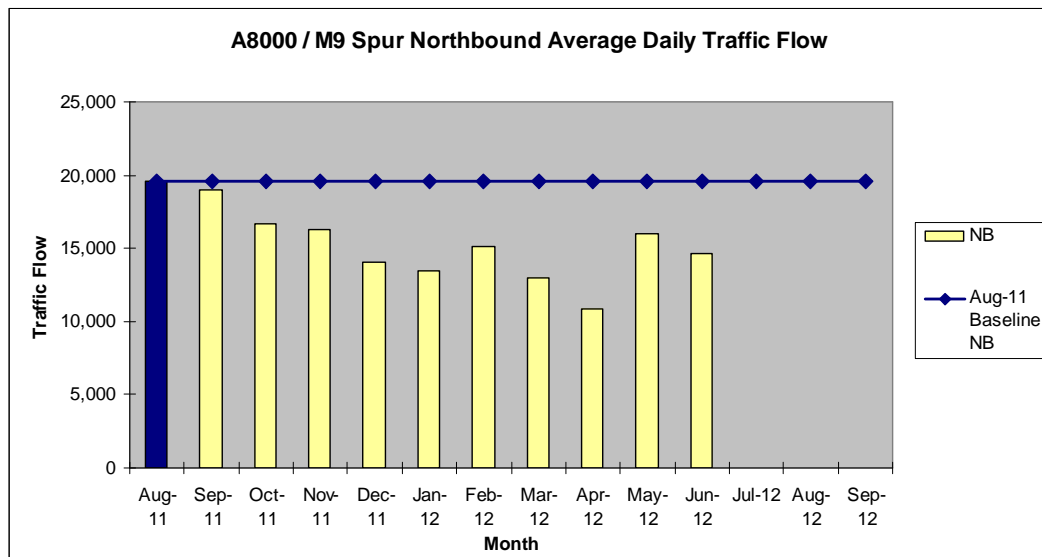


Figure 3-53 Monthly Northbound AADTs on the A8000 / M9 Spur Northbound

3.5.2 Monthly Average AM Peak Traffic Flows

Table 3-30 Site: JTC00589 AM Peak Traffic Flows – August 2011 to September 2012

Counter	Location	Date	NB
JTC00589	A8000 / M9 Spur Northbound	Aug-11	3,326
		Sep-11	3,317
		Oct-11	2,740
		Nov-11	2,494
		Dec-11	1,938
		Jan-12	2,045
		Feb-12	2,385
		Mar-12	2,017
		Apr-12	1,585
		May-12	2,839
		Jun-12	2,275
		Jul-12	No Data
		Aug-12	No Data
		Sep-12	No Data
		Annual Average	2,451

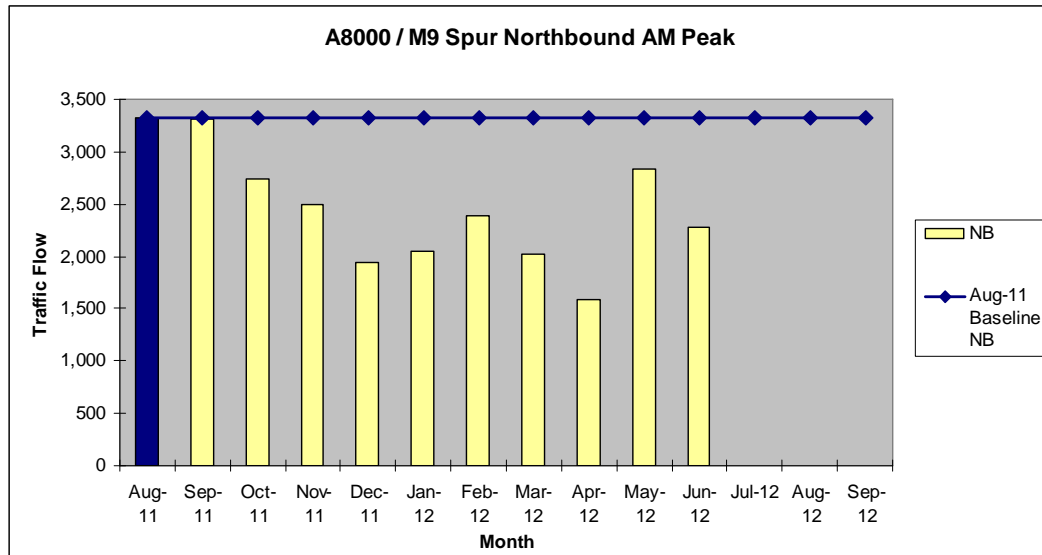


Figure 3-54 Monthly Northbound AM Peak Flows on the A8000 / M9 Spur Northbound

3.5.3 Monthly Average PM Peak Traffic Flows

Table 3-31 Site: JTC00589 PM Peak Traffic Flows – August 2011 to September 2012

Counter	Location	Date	NB
JTC00589	A8000 / M9 Spur Northbound	Aug-11	4,449
		Sep-11	4,301
		Oct-11	3,796
		Nov-11	3,797
		Dec-11	3,290
		Jan-12	3,262
		Feb-12	3,649
		Mar-12	2,999
		Apr-12	2,391
		May-12	3,626
		Jun-12	3,331
		Jul-12	No Data
		Aug-12	No Data
		Sep-12	No Data

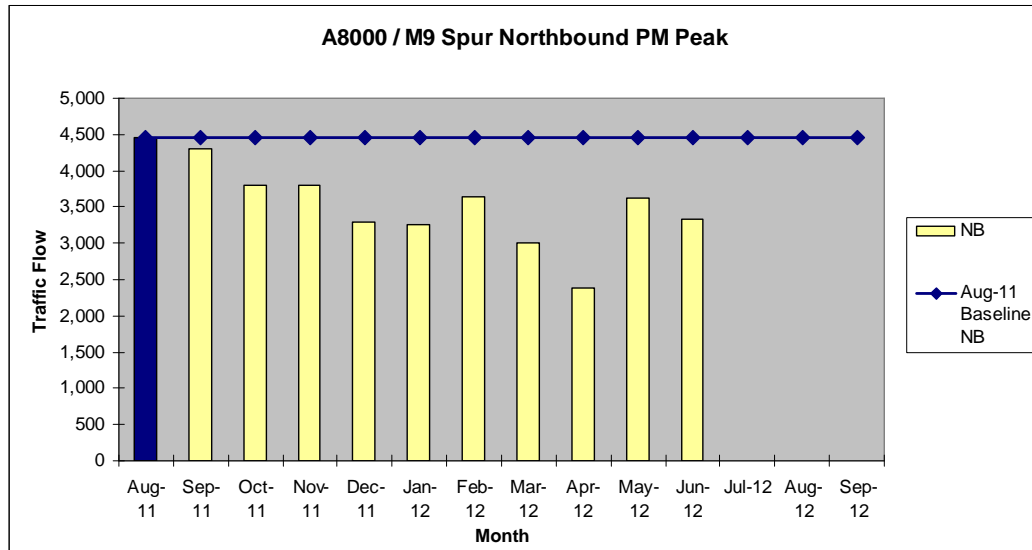


Figure 3-55 Monthly Northbound PM Peak Flows on the A8000 / M9 Spur Northbound

3.5.4 Monthly Average HGVS Flows

Table 3-32 Site: JTC00589 Annual HGVS Traffic Flows – August 2011 to September 2012

Counter	Location	Date	NB
JTC00589	A8000 / M9 Spur Northbound	Aug-11	1,122
		Sep-11	1,138
		Oct-11	1,204
		Nov-11	1,128
		Dec-11	899
		Jan-12	870
		Feb-12	969
		Mar-12	886
		Apr-12	746
		May-12	1,027
		Jun-12	822
		Jul-12	No Data
		Aug-12	No Data
		Sep-12	No Data
Annual Average			983

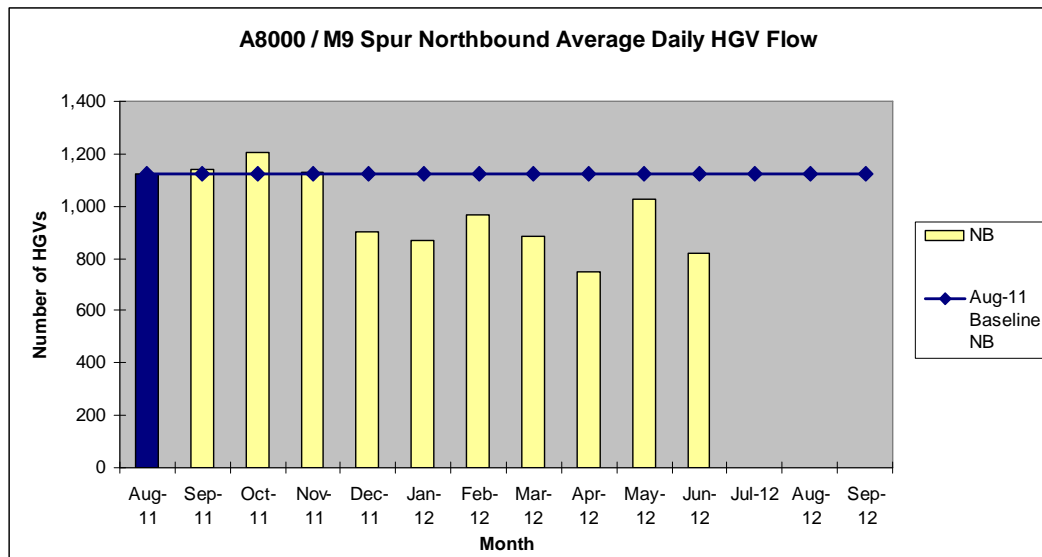


Figure 3-56 Monthly Eastbound HGVS Traffic Flows on the A8000 / M9 Spur Northbound

3.5.5 Monthly Average AM Peak HGV Flows

Table 3-33 Site: JTC00589 AM Peak HGV Traffic Flows – August 2011 to September 2012

Counter	Location	Date	NB
JTC00589	A8000 / M9 Spur Northbound	Aug-11	227
		Sep-11	237
		Oct-11	250
		Nov-11	214
		Dec-11	164
		Jan-12	159
		Feb-12	189
		Mar-12	168
		Apr-12	136
		May-12	222
		Jun-12	175
		Jul-12	No Data
		Aug-12	No Data
		Sep-12	No Data

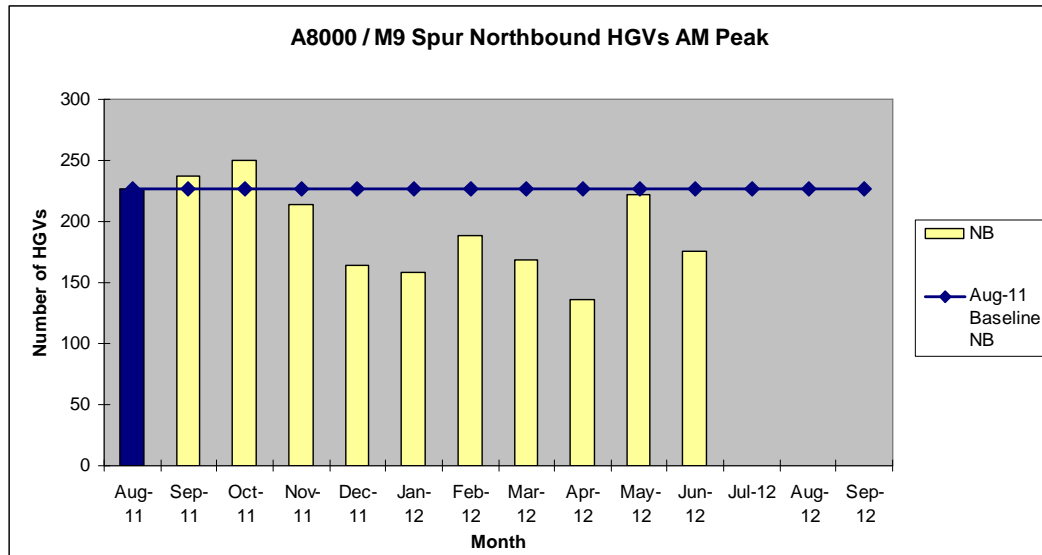


Figure 3-57 Monthly Northbound AM Peak HGV Flows on the A8000 / M9 Spur Northbound

3.5.6 Monthly Average PM Peak HGV Flows

Table 3-34 Site: JTC00589 PM Peak HGV Traffic Flows – August 2011 to September 2012

Counter	Location	Date	NB
JTC00589	A8000 / M9 Spur Northbound	Aug-11	132
		Sep-11	128
		Oct-11	160
		Nov-11	139
		Dec-11	104
		Jan-12	106
		Feb-12	119
		Mar-12	112
		Apr-12	100
		May-12	105
		Jun-12	91
		Jul-12	No Data
		Aug-12	No Data
		Sep-12	No Data
		Annual Average	118

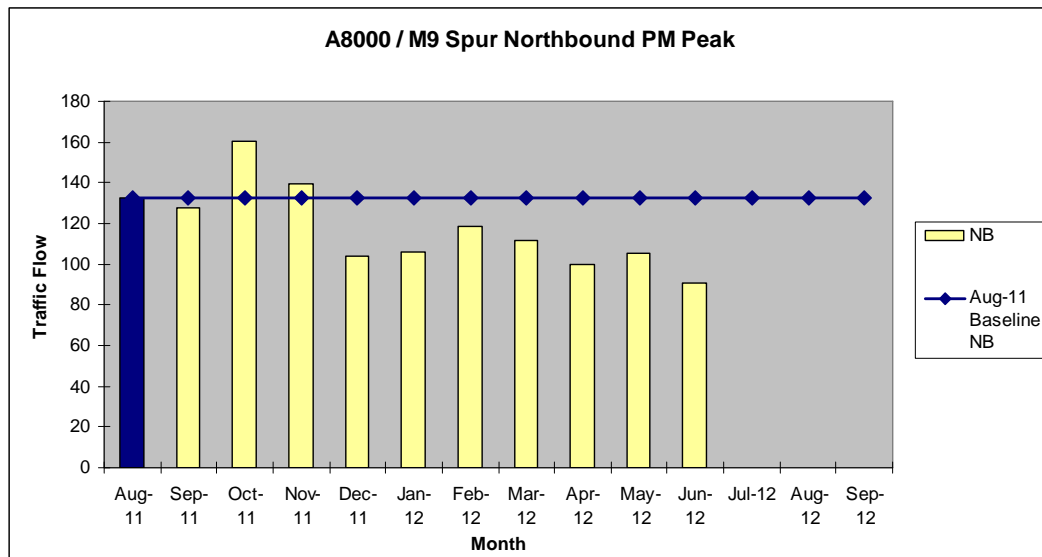


Figure 3-58 Monthly Westbound PM Peak HGV Flows on the A8000 / M9 Spur Northbound

3.5.7 Monthly Average All Vehicles Traffic Speeds

Table 3-35 Site: JTC00589 Average Monthly Traffic Speeds (KPH) (All Vehicles) – August 2011 to September 2012

Counter	Location	Date	NB
JTC00589	A8000 / M9 Spur Northbound	Aug-11	88
		Sep-11	89
		Oct-11	80
		Nov-11	79
		Dec-11	78
		Jan-12	78
		Feb-12	80
		Mar-12	60
		Apr-12	44
		May-12	79
		Jun-12	85
		Jul-12	No Data
		Aug-12	No Data
Sep-12	No Data		

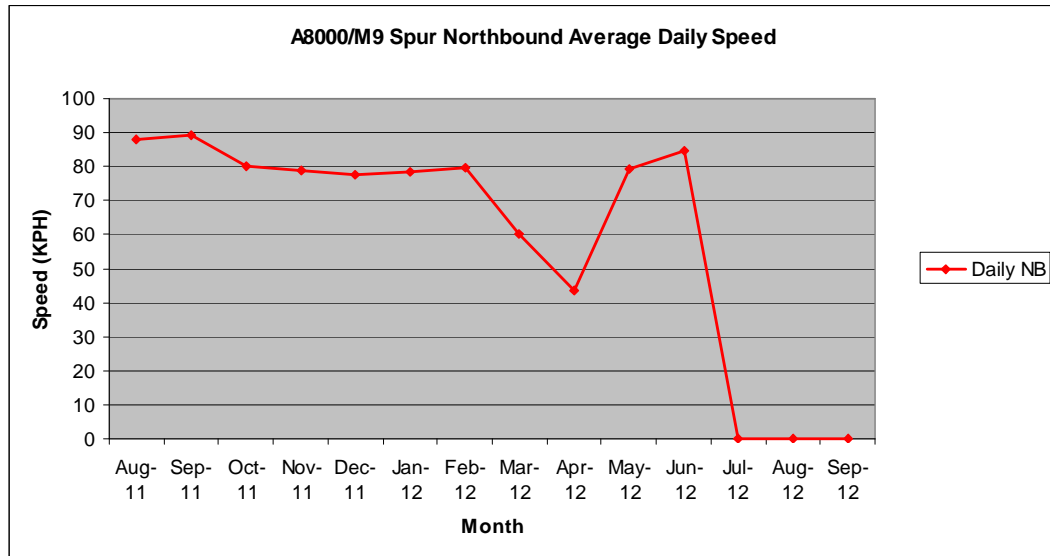


Figure 3-59 Average Monthly Traffic Speeds (KPH) on the A8000 / M9 Spur Northbound

3.6 Traffic Counter JTC00590 – A8000 / M9 Spur Southbound

Summary of statistics between August 2011 and September 2012:

- Traffic flow groups are indicative of typical seasonal variation; with lower flows in December 2011 and January 2012 and higher flows over the summer months.
- The flow groups were higher in August and September 2011 when compared to August and September 2012.

3.6.1 Monthly Average Traffic Flows

Table 3-36 Site: JTC00590 Annual Traffic Flows – August 2011 to September 2012

Counter	Location	Date	SB
JTC00590	A8000 / M9 Spur Southbound	Aug-11	20,468
		Sep-11	19,906
		Oct-11	18,499
		Nov-11	17,569
		Dec-11	14,715
		Jan-12	13,699
		Feb-12	15,930
		Mar-12	16,278
		Apr-12	16,317
		May-12	16,936
		Jun-12	17,233
		Jul-12	17,568
		Aug-12	18,202
		Sep-12	17,407
		Annual Average	17,093

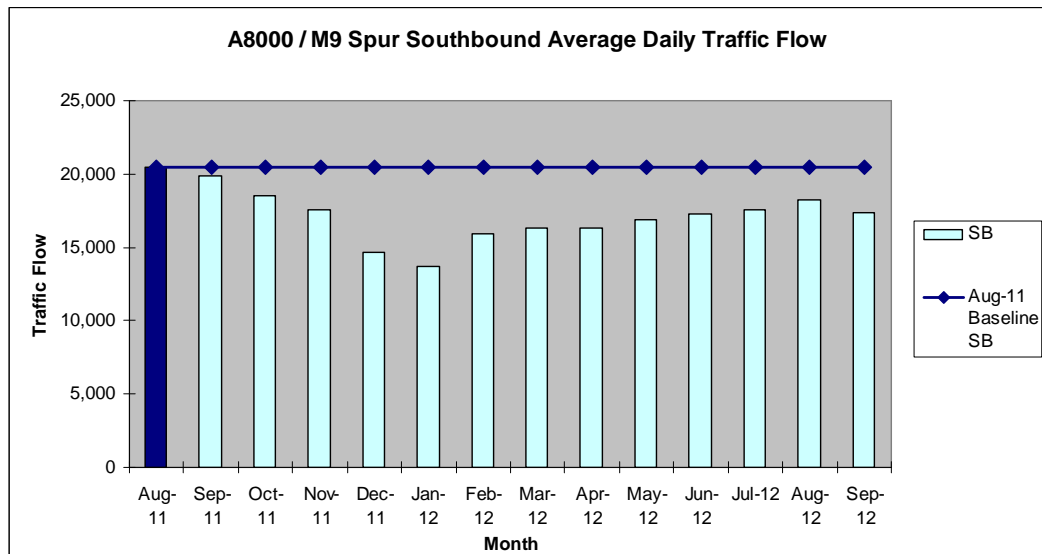


Figure 3-60 Monthly Southbound AADTs on the A8000 / M9 Spur Southbound

3.6.2 Monthly Average AM Peak Traffic Flows

Table 3-37 Site: JTC00590 AM Peak Traffic Flows – August 2011 to September 2012

Counter	Location	Date	SB
JTC00590	A8000 / M9 Spur Southbound	Aug-11	3,966
		Sep-11	3,950
		Oct-11	3,546
		Nov-11	3,268
		Dec-11	2,528
		Jan-12	2,461
		Feb-12	3,021
		Mar-12	3,168
		Apr-12	3,115
		May-12	3,386
		Jun-12	3,286
		Jul-12	3,331
		Aug-12	3,521
		Sep-12	3,351
		Annual Average	3,252

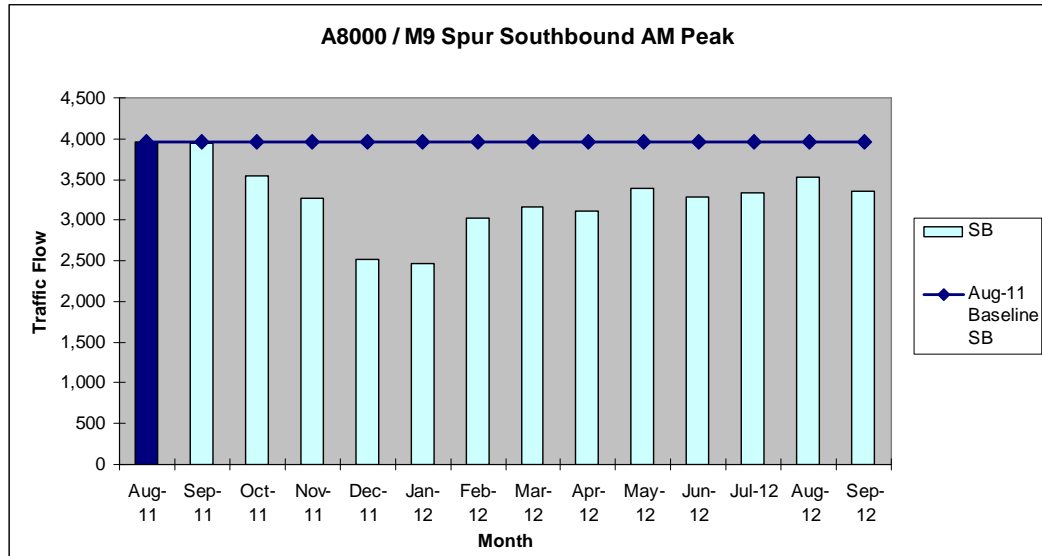


Figure 3-61 Monthly Southbound AM Peak Flows on the A8000 / M9 Spur Southbound

3.6.3 Monthly Average PM Peak Traffic Flows

Table 3-38 Site: JTC00590 PM Peak Traffic Flows – August 2011 to September 2012

Counter	Location	Date	SB
JTC00590	A8000 / M9 Spur Southbound	Aug-11	4,031
		Sep-11	3,953
		Oct-11	3,693
		Nov-11	3,685
		Dec-11	2,895
		Jan-12	2,968
		Feb-12	3,357
		Mar-12	3,436
		Apr-12	3,239
		May-12	3,388
		Jun-12	3,318
		Jul-12	3,352
		Aug-12	3,581
		Sep-12	3,454
		Annual Average	3,443

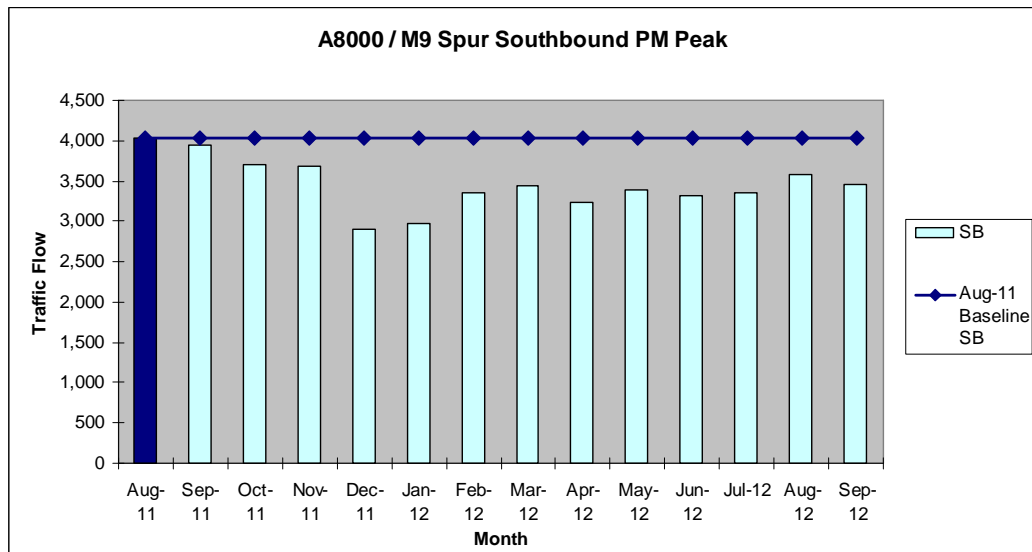


Figure 3-62 Monthly Southbound PM Peak Flows on the A8000 / M9 Spur Southbound

3.6.4 Monthly Average HGV Flows

Table 3-39 Site: JTC00590 Annual HGV Traffic Flows – August 2011 to September 2012

Counter	Location	Date	SB
JTC00590	A8000 / M9 Spur Southbound	Aug-11	1,139
		Sep-11	1,155
		Oct-11	1,047
		Nov-11	1,112
		Dec-11	946
		Jan-12	857
		Feb-12	1,006
		Mar-12	1,019
		Apr-12	972
		May-12	1,057
		Jun-12	1,017
		Jul-12	1,011
		Aug-12	1,054
		Sep-12	996
		Annual Average	1,028

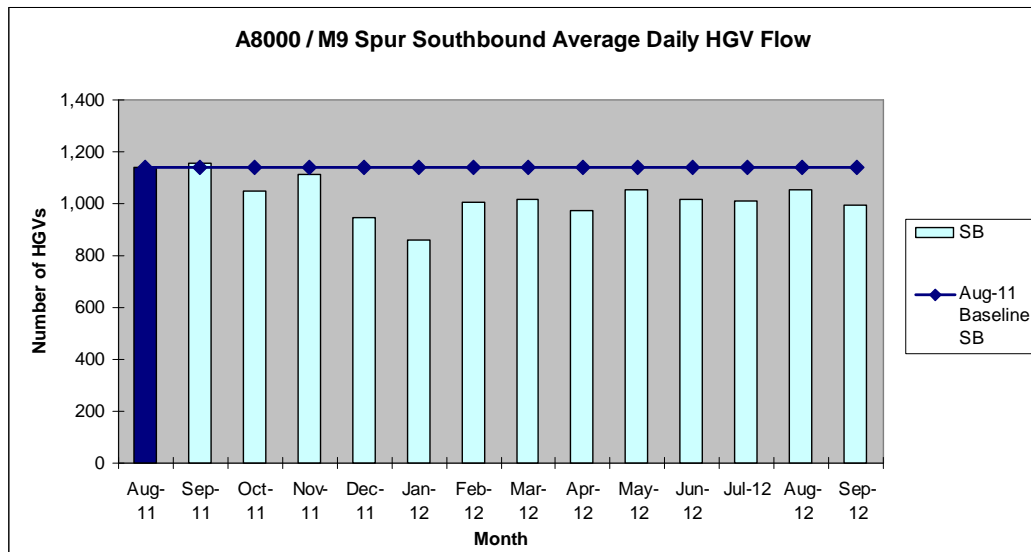


Figure 3-63 Monthly HGV Traffic Flows on the A8000 / M9 Spur Southbound

3.6.5 Monthly Average AM Peak HGV Flows

Table 3-40 Site: JTC00590 AM Peak HGV Traffic Flows – August 2011 to September 2012

Counter	Location	Date	SB
JTC00590	A8000 / M9 Spur Southbound	Aug-11	169
		Sep-11	181
		Oct-11	150
		Nov-11	140
		Dec-11	121
		Jan-12	101
		Feb-12	122
		Mar-12	134
		Apr-12	148
		May-12	159
		Jun-12	157
		Jul-12	154
		Aug-12	161
		Sep-12	156
		Annual Average	145

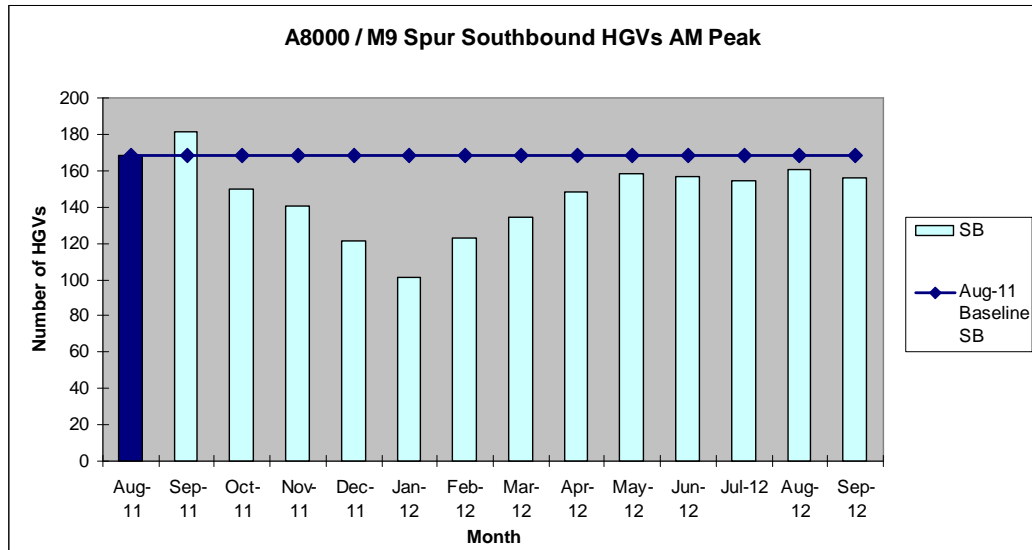


Figure 3-64 Monthly AM Peak HGV Flows on the A8000 / M9 Spur Southbound

3.6.6 Monthly Average PM Peak HGV Flows

Table 3-41 Site: JTC00590 PM Peak HGV Traffic Flows – August 2011 to September 2012

Counter	Location	Date	NB
JTC00590	A8000 / M9 Spur Southbound	Aug-11	173
		Sep-11	168
		Oct-11	160
		Nov-11	191
		Dec-11	156
		Jan-12	151
		Feb-12	176
		Mar-12	180
		Apr-12	148
		May-12	156
		Jun-12	151
		Jul-12	151
		Aug-12	155
		Sep-12	152
		Annual Average	163

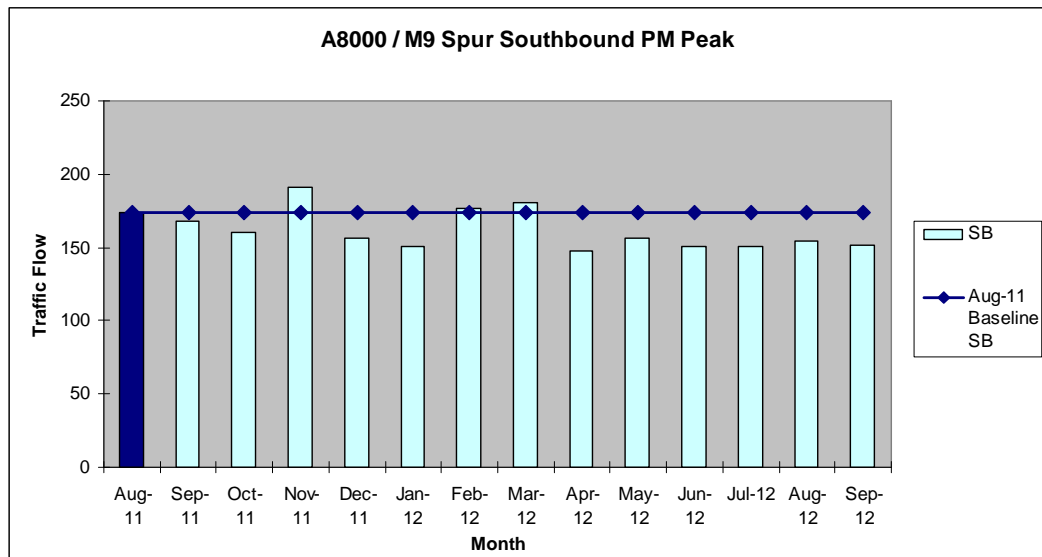


Figure 3-65 Monthly PM Peak HGV Flows on the A8000 / M9 Spur Southbound

3.6.7 Monthly Average All Vehicles Traffic Speeds

Table 3-42 Site: JTC00590 Average Monthly Traffic Speeds (KPH) (All Vehicles) – August 2011 to September 2012

Counter	Location	Date	SB
JTC00590	A8000 / M9 Spur Southbound	Aug-11	88
		Sep-11	88
		Oct-11	86
		Nov-11	84
		Dec-11	80
		Jan-12	81
		Feb-12	82
		Mar-12	82
		Apr-12	82
		May-12	83
		Jun-12	83
		Jul-12	83
		Aug-12	84
Sep-12	83		

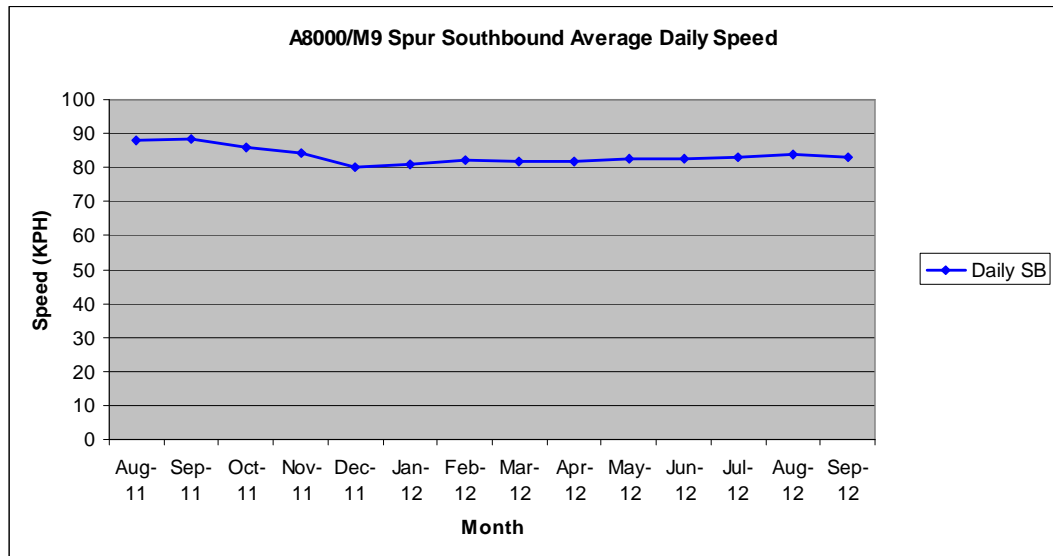


Figure 3-66 Average Monthly Traffic Speeds (KPH) on the A8000 / M9 Spur Southbound

3.7 Traffic Counter JTC05478 – A823 (M) M90 Junction 2 Northbound On-Ramp

Summary of statistics between August 2011 and September 2012:

- Limited traffic flow data was available for May 2012 to September 2012, therefore the data was not considered to be sufficiently representative for analysis.
- Traffic flow groups are indicative of typical seasonal variation; with lower flows in December 2011 and January 2012. However, the flows were unusually low in October 2011.

3.7.1 Monthly Average Traffic Flows

Table 3-43 Site: JTC05478 Annual Traffic Flows – August 2011 to September 2012

Counter	Location	Date	NB
JTC05478	A823 (M) M90 Junction 2 Northbound On-Ramp	Aug-11	7,161
		Sep-11	6,437
		Oct-11	3,959
		Nov-11	5,538
		Dec-11	4,950
		Jan-12	4,915
		Feb-12	5,392
		Mar-12	5,034
		Apr-12	4,461
		May-12	No Data
		Jun-12	No Data
		Jul-12	No Data
		Aug-12	No Data
		Sep-12	No Data
		Annual Average	5,316

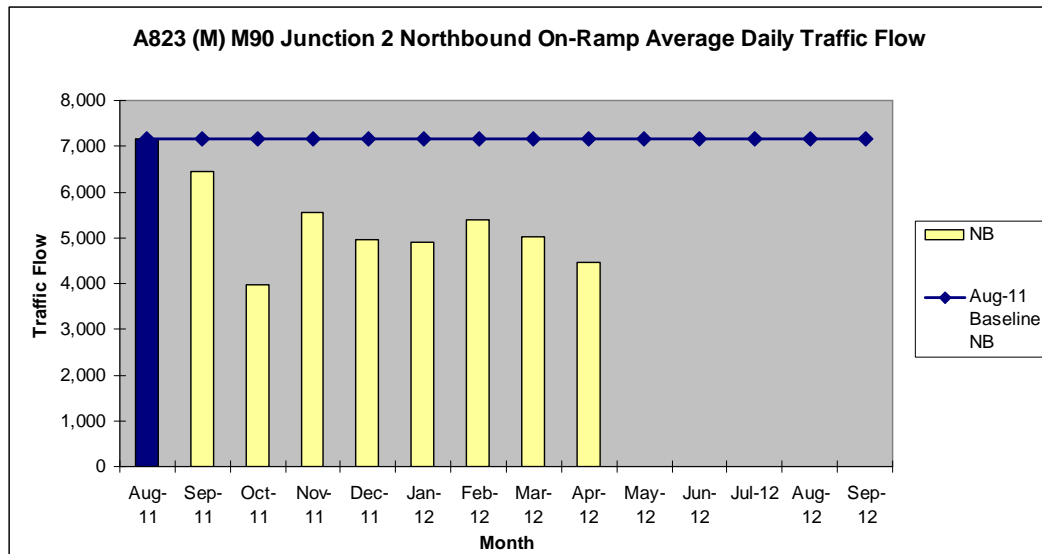


Figure 3-67 Monthly AADTs on the A823 (M) M90 Junction 2 Northbound On-Ramp

3.7.2 Monthly Average AM Peak Traffic Flows

Table 3-44 Site: JTC05478 AM Peak Traffic Flows – August 2011 to September 2012

Counter	Location	Date	NB
JTC05478	A823 (M) M90 Junction 2 Northbound On-Ramp	Aug-11	1,536
		Sep-11	1,368
		Oct-11	777
		Nov-11	1,131
		Dec-11	966
		Jan-12	1,019
		Feb-12	1,126
		Mar-12	1,066
		Apr-12	990
		May-12	No Data
		Jun-12	No Data
		Jul-12	No Data
		Aug-12	No Data
		Sep-12	No Data
		Annual Average	1,109

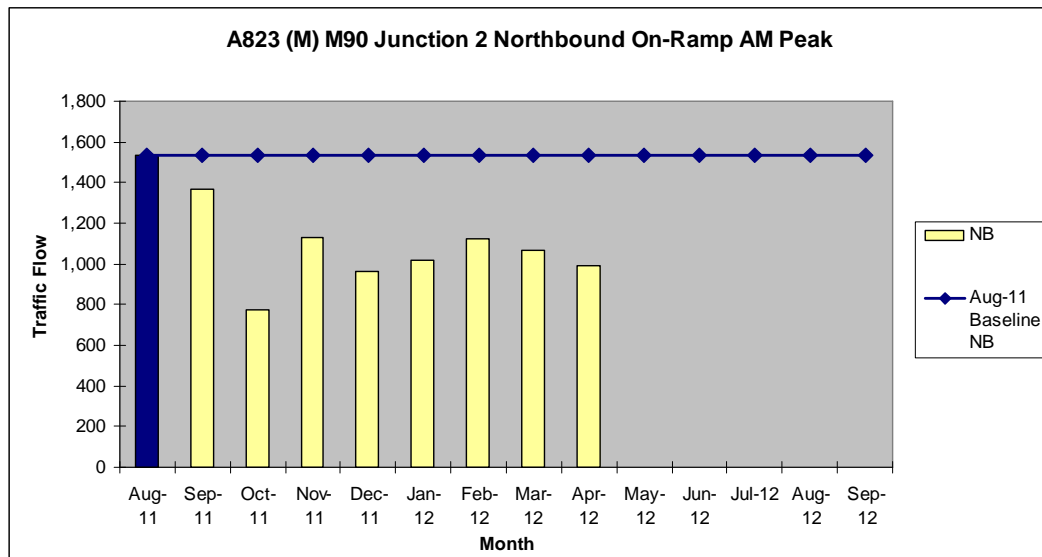


Figure 3-68 Monthly AM Peak Flows on the A823 (M) M90 Junction 2 Northbound On-Ramp

3.7.3 Monthly Average PM Peak Traffic Flows

Table 3-45 Site: JTC05478 PM Peak Traffic Flows – August 2011 to September 2012

Counter	Location	Date	NB
JTC05478	A823 (M) M90 Junction 2 Northbound On-Ramp	Aug-11	1,593
		Sep-11	1,454
		Oct-11	871
		Nov-11	1,317
		Dec-11	1,048
		Jan-12	1,169
		Feb-12	1,253
		Mar-12	1,163
		Apr-12	1,045
		May-12	No Data
		Jun-12	No Data
		Jul-12	No Data
		Aug-12	No Data
		Sep-12	No Data
		Annual Average	1,212

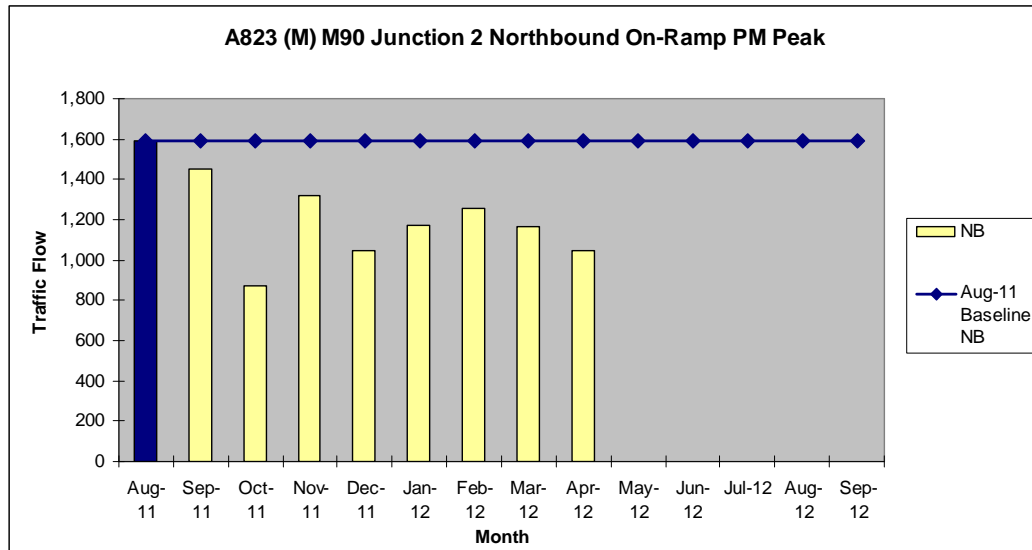


Figure 3-69 Monthly PM Peak Flows on the A823 (M) M90 Junction 2 Northbound On-Ramp

3.7.4 Monthly Average HGV Flows

Table 3-46 Site: JTC05478 Annual HGV Traffic Flows – August 2011 to September 2012

Counter	Location	Date	NB
JTC05478	A823 (M) M90 Junction 2 Northbound On-Ramp	Aug-11	101
		Sep-11	81
		Oct-11	47
		Nov-11	73
		Dec-11	60
		Jan-12	58
		Feb-12	67
		Mar-12	66
		Apr-12	63
		May-12	No Data
		Jun-12	No Data
		Jul-12	No Data
		Aug-12	No Data
		Sep-12	No Data
		Annual Average	68

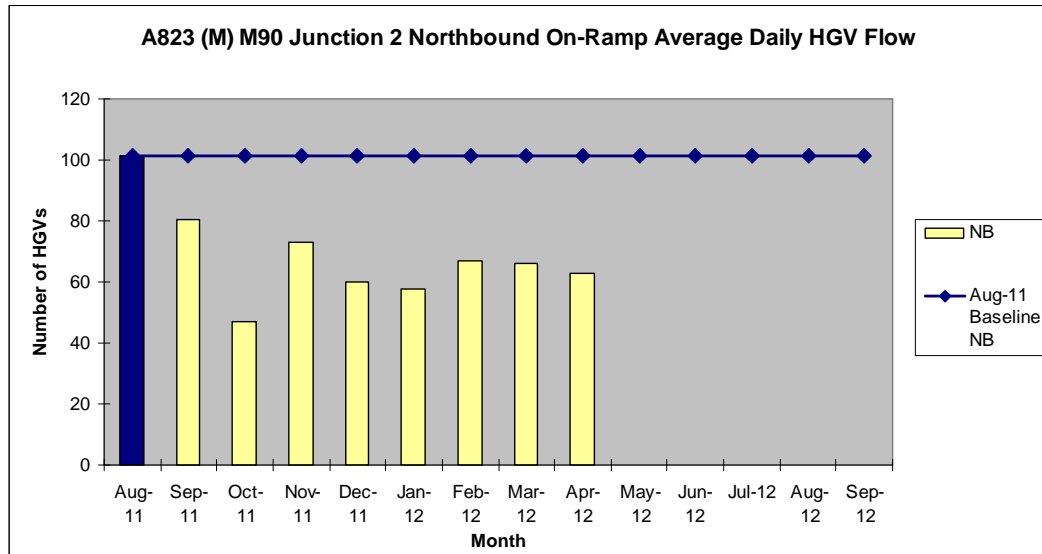


Figure 3-70 Monthly HGV Traffic Flows on the A823 (M) M90 Junction 2 Northbound On-Ramp

3.7.5 Monthly Average AM Peak HGV Flows

Table 3-47 Site: JTC05478 AM Peak HGV Traffic Flows – August 2011 to September 2012

Counter	Location	Date	NB
JTC05478	A823 (M) M90 Junction 2 Northbound On-Ramp	Aug-11	24
		Sep-11	19
		Oct-11	10
		Nov-11	14
		Dec-11	13
		Jan-12	13
		Feb-12	14
		Mar-12	14
		Apr-12	15
		May-12	No Data
		Jun-12	No Data
		Jul-12	No Data
		Aug-12	No Data
		Sep-12	No Data
		Annual Average	15

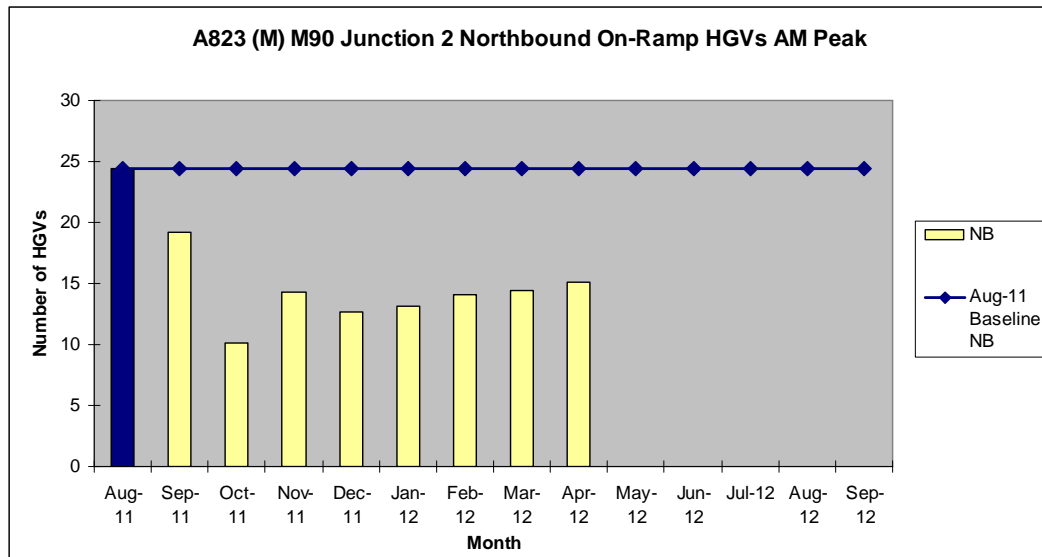


Figure 3-71 Monthly AM Peak HGV Flows on the A823 (M) M90 Junction 2 Northbound On-Ramp

3.7.6 Monthly Average PM Peak HGV Flows

Table 3-48 Site: JTC05478 PM Peak HGV Traffic Flows – August 2011 to September 2012

Counter	Location	Date	NB
JTC05478	A823 (M) M90 Junction 2 Northbound On-Ramp	Aug-11	14
		Sep-11	10
		Oct-11	6
		Nov-11	10
		Dec-11	8
		Jan-12	8
		Feb-12	9
		Mar-12	10
		Apr-12	8
		May-12	No Data
		Jun-12	No Data
		Jul-12	No Data
		Aug-12	No Data
		Sep-12	6
		Annual Average	9

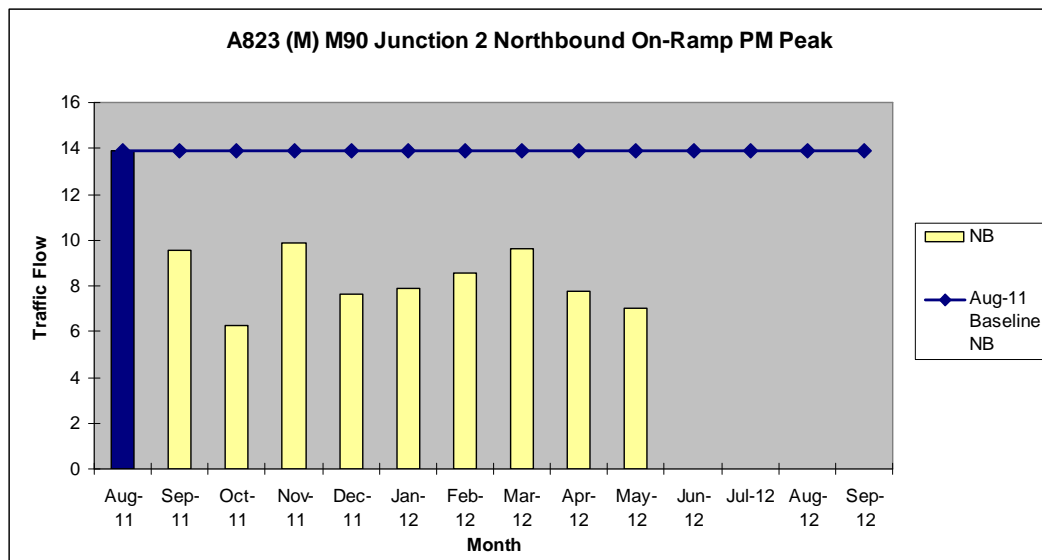


Figure 3-72 Monthly PM Peak HGV Flows on the A823 (M) M90 Junction 2 Northbound On-Ramp

3.7.7 Monthly Average All Vehicles Traffic Speeds

Table 3-49 Site: JTC05478 Average Monthly Traffic Speeds (KPH) (All Vehicles) – August 2011 to September 2012

Counter	Location	Date	NB
JTC05478	A823 (M) M90 Junction 2 Northbound On-Ramp	Aug-11	55
		Sep-11	55
		Oct-11	45
		Nov-11	49
		Dec-11	49
		Jan-12	46
		Feb-12	46
		Mar-12	47
		Apr-12	42
		May-12	47
		Jun-12	No Data
		Jul-12	No Data
		Aug-12	No Data
Sep-12	No Data		

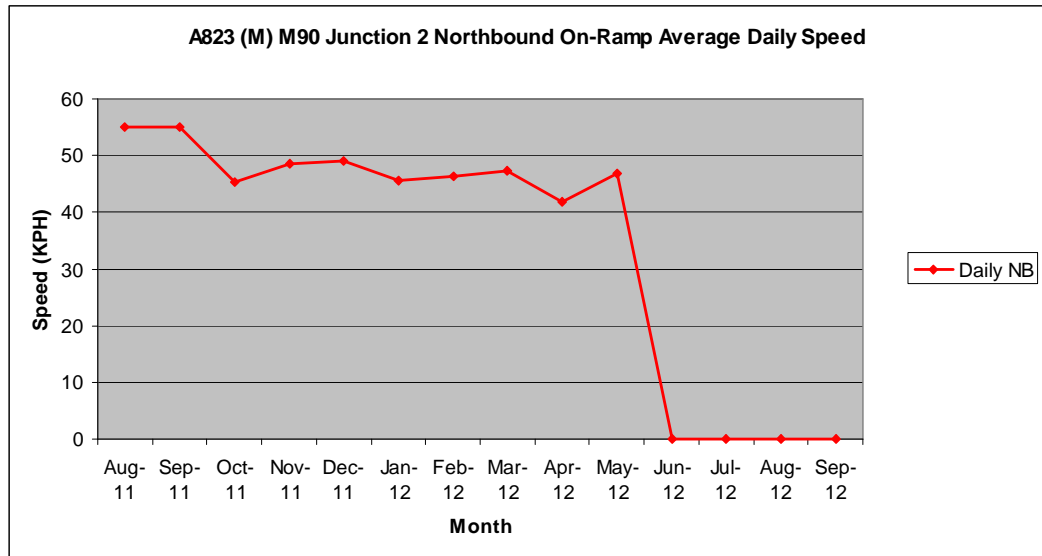


Figure 3-73 Average Monthly Traffic Speeds (KPH) on the A823 (M) M90 Junction 2 Northbound On-Ramp

3.8 Traffic Counter JTC05479 – A823 (M) M90 Junction 2 Northbound Off-Ramp

Summary of statistics between August 2011 and September 2012:

- The flow groups were higher in August and September 2011 when compared to August and September 2012.
- In between this time, flows drop substantially in October 2011; flows increase again in November, with a slight drop for December 2011 and January 2012. Traffic flows for the summer months are uncharacteristically low, increasing in August and September 2012.

3.8.1 Monthly Average Traffic Flows

Table 3-50 Site: JTC05479 Annual Traffic Flows – August 2011 to September 2012

Counter	Location	Date	NB
JTC05479	A823 (M) M90 Junction 2 Northbound Off-Ramp	Aug-11	3,244
		Sep-11	3,005
		Oct-11	No Data
		Nov-11	2,366
		Dec-11	2,122
		Jan-12	2,173
		Feb-12	2,345
		Mar-12	2,347
		Apr-12	1,743
		May-12	2,079
		Jun-12	2,112
		Jul-12	1,946
		Aug-12	2,769
		Sep-12	2,466
		Annual Average	2,316

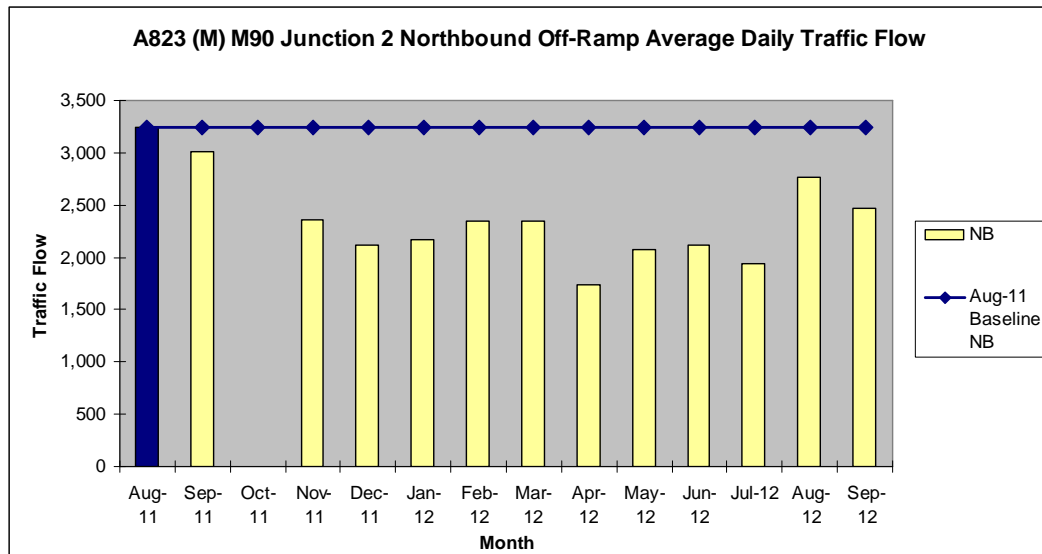


Figure 3-74 Monthly AADTs on the A823 (M) M90 Junction 2 Northbound Off-Ramp

3.8.2 Monthly Average AM Peak Traffic Flows

Table 3-51 Site: JTC05479 AM Peak Traffic Flows – August 2011 to September 2012

Counter	Location	Date	NB
JTC05479	A823 (M) M90 Junction 2 Northbound Off-Ramp	Aug-11	977
		Sep-11	943
		Oct-11	No Data
		Nov-11	802
		Dec-11	672
		Jan-12	734
		Feb-12	803
		Mar-12	773
		Apr-12	535
		May-12	643
		Jun-12	639
		Jul-12	606
		Aug-12	759
		Sep-12	764
		Annual Average	739

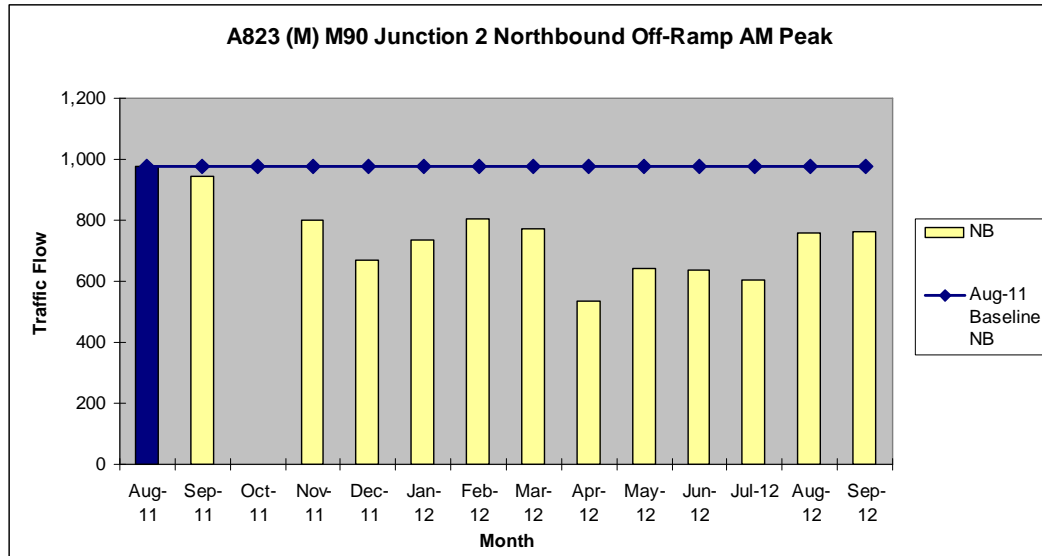


Figure 3-75 Monthly AM Peak Flows on the A823 (M) M90 Junction 2 Northbound Off-Ramp

3.8.3 Monthly Average PM Peak Traffic Flows

Table 3-52 Site: JTC05479 PM Peak Traffic Flows – August 2011 to September 2012

Counter	Location	Date	NB
JTC05479	A823 (M) M90 Junction 2 Northbound Off-Ramp	Aug-11	642
		Sep-11	583
		Oct-11	No Data
		Nov-11	431
		Dec-11	344
		Jan-12	368
		Feb-12	416
		Mar-12	430
		Apr-12	322
		May-12	381
		Jun-12	388
		Jul-12	350
		Aug-12	588
		Sep-12	483
		Annual Average	423

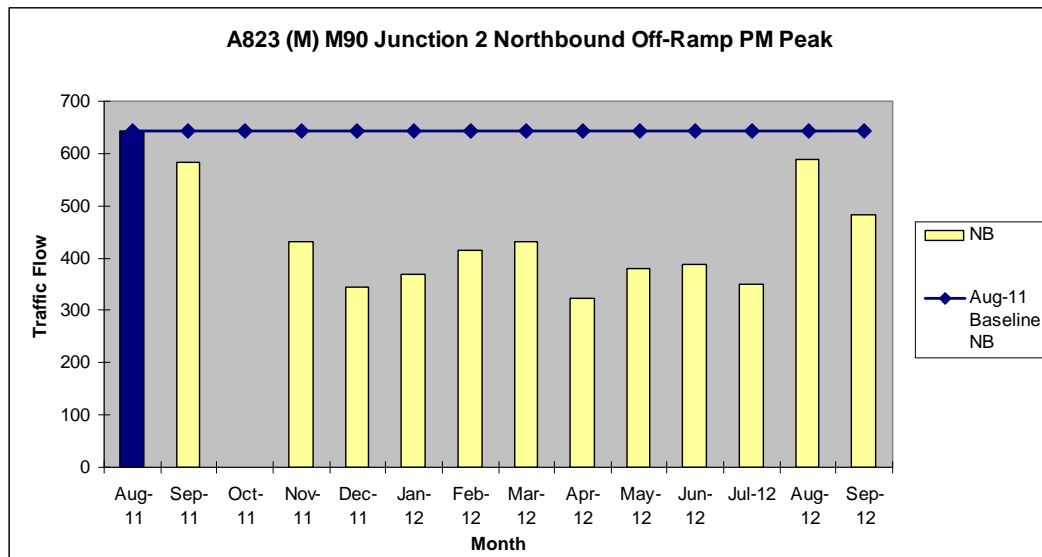


Figure 3-76 Monthly PM Peak Flows on the A823 (M) M90 Junction 2 Northbound Off-Ramp

3.8.4 Monthly Average HGV Flows

Table 3-53 Site: JTC05479 Annual HGV Traffic Flows – August 2011 to September 2012

Counter	Location	Date	NB
JTC05479	A823 (M) M90 Junction 2 Northbound Off-Ramp	Aug-11	37
		Sep-11	31
		Oct-11	12
		Nov-11	No Data
		Dec-11	31
		Jan-12	27
		Feb-12	29
		Mar-12	26
		Apr-12	30
		May-12	29
		Jun-12	31
		Jul-12	25
		Aug-12	31
		Sep-12	26

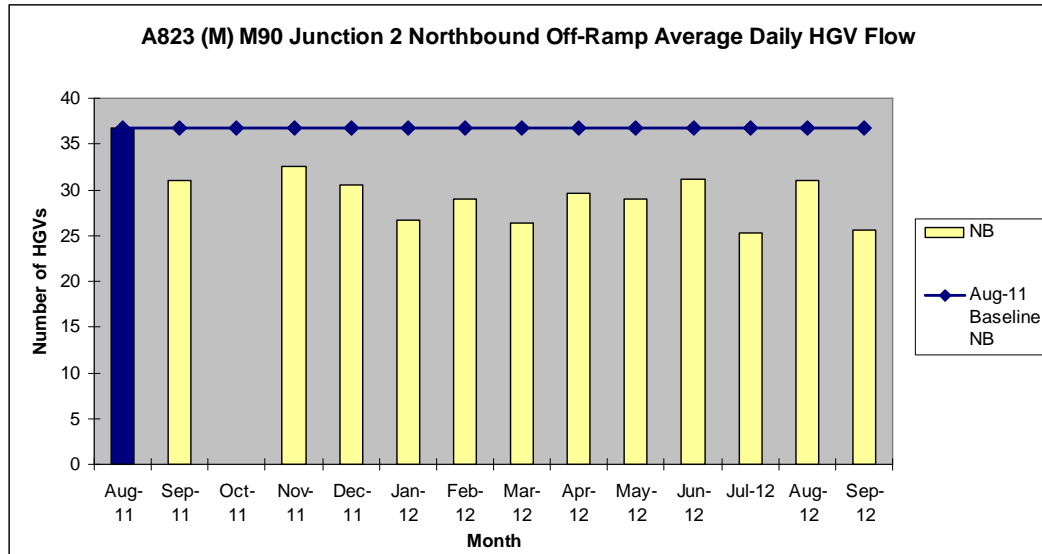


Figure 3-77 Monthly HGV Traffic Flows on the A823 (M) M90 Junction 2 Northbound Off-Ramp

3.8.5 Monthly Average AM Peak HGV Flows

Table 3-54 Site: JTC05479 AM Peak HGV Traffic Flows – August 2011 to September 2012

Counter	Location	Date	NB
JTC05479	A823 (M) M90 Junction 2 Northbound Off-Ramp	Aug-11	8
		Sep-11	7
		Oct-11	No Data
		Nov-11	10
		Dec-11	7
		Jan-12	8
		Feb-12	10
		Mar-12	6
		Apr-12	8
		May-12	6
		Jun-12	6
		Jul-12	6
		Aug-12	5
		Sep-12	6
		Annual Average	7

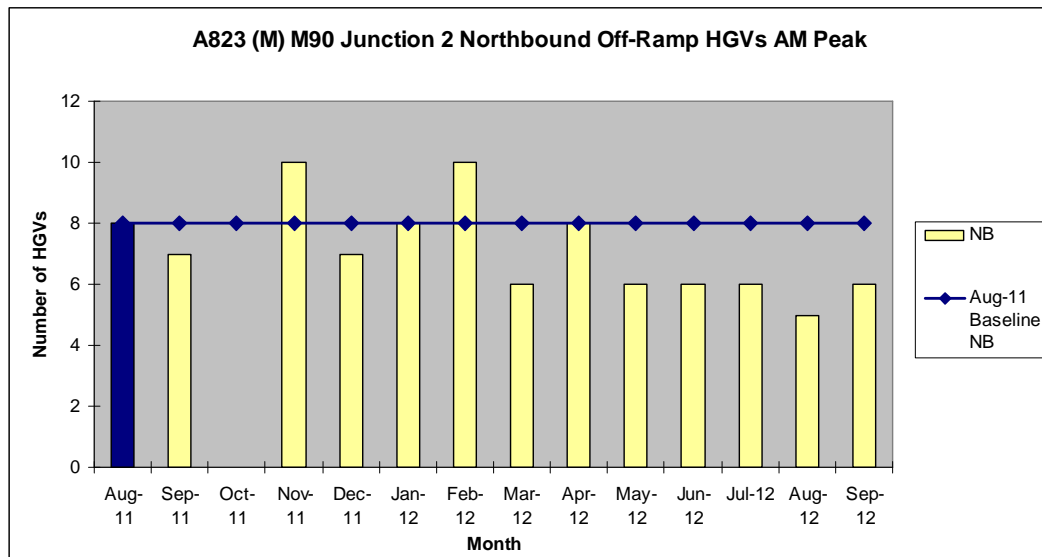


Figure 3-78 Monthly AM Peak HGV Flows on the A823 (M) M90 Junction 2 Northbound Off-Ramp

3.8.6 Monthly Average PM Peak HGV Flows

Table 3-55 Site: JTC05479 PM Peak HGV Traffic Flows – August 2011 to September 2012

Counter	Location	Date	NB
JTC05479	A823 (M) M90 Junction 2 Northbound Off-Ramp	Aug-11	4
		Sep-11	3
		Oct-11	No Data
		Nov-11	3
		Dec-11	3
		Jan-12	2
		Feb-12	3
		Mar-12	3
		Apr-12	4
		May-12	3
		Jun-12	3
		Jul-12	4
		Aug-12	3
		Sep-12	3
		Annual Average	3

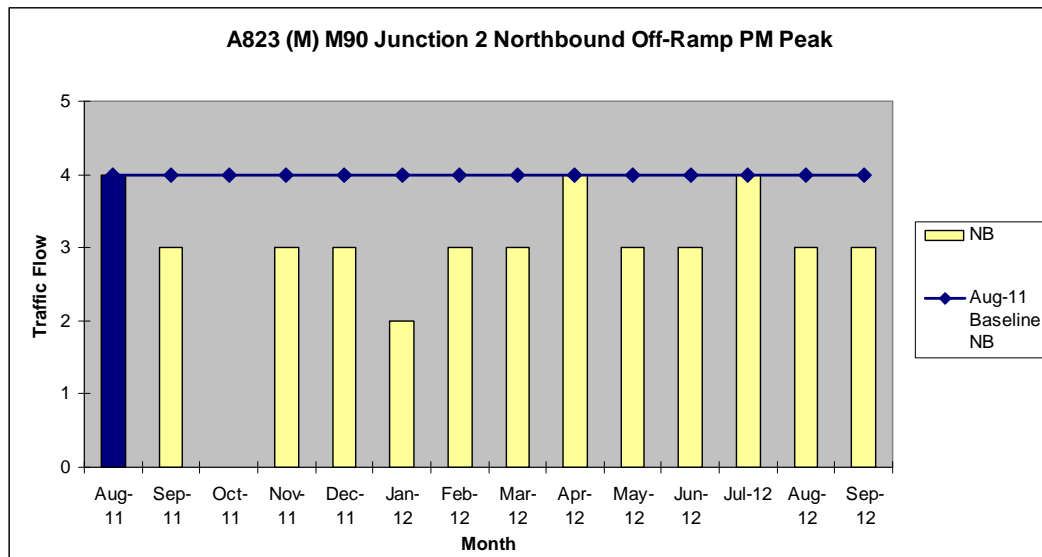


Figure 3-79 Monthly PM Peak HGV Flows on the A823 (M) M90 Junction 2 Northbound Off-Ramp

3.8.7 Monthly Average All Vehicles Traffic Speeds

Table 3-56 Site: JTC05479 Average Monthly Traffic Speeds (KPH) (All Vehicles) – August 2011 to September 2012

Counter	Location	Date	NB
JTC05479	A823 (M) M90 Junction 2 Northbound Off-Ramp	Aug-11	91
		Sep-11	89
		Oct-11	No Data
		Nov-11	63
		Dec-11	64
		Jan-12	63
		Feb-12	63
		Mar-12	63
		Apr-12	56
		May-12	64
		Jun-12	61
		Jul-12	64
		Aug-12	79
Sep-12	88		

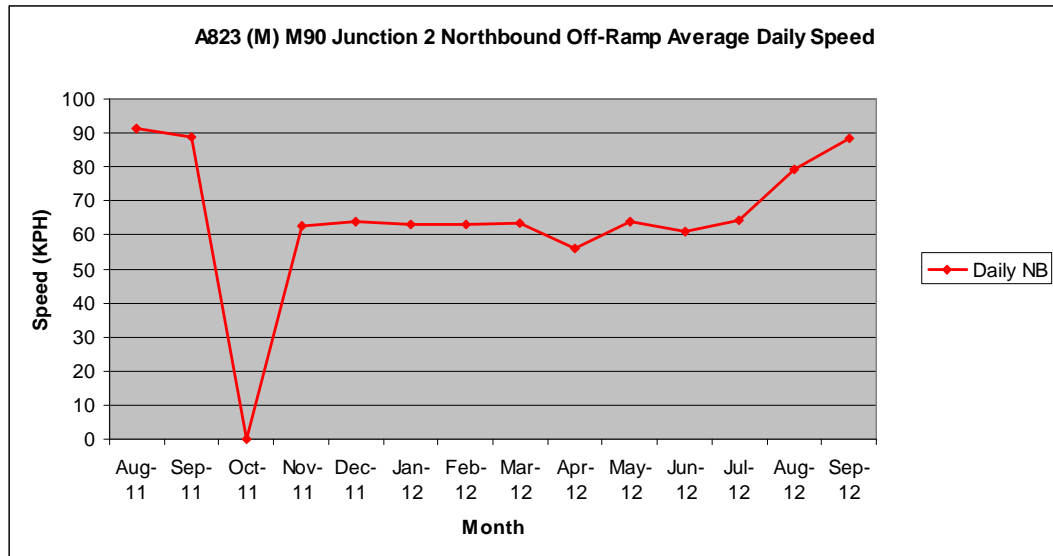


Figure 3-80 Average Monthly Traffic Speeds (KPH) on the A823 (M) M90 Junction 2 Northbound Off-Ramp

3.9 Traffic Counter NTCPF019 – M8 West of A720 Junction (Hermiston Gait)

Summary of statistics between August 2011 and September 2012:

- Flow groups were indicative of seasonal variation, with lower flows in December 2011 and January 2012 and higher flows over the summer months.

3.9.1 Monthly Average Traffic Flows

Table 3-57 Site: NTCPF019 Annual Traffic Flows – August 2011 to September 2012

Counter	Location	Date	EB	WB	Two Way
NTCPF019	M8 West of A720 Junction (Hermiston Gait)	Aug-11	33,733	33,410	67,144
		Sep-11	32,887	32,523	65,409
		Oct-11	32,007	32,041	64,049
		Nov-11	31,240	31,513	62,753
		Dec-11	26,923	27,059	53,983
		Jan-12	27,249	27,486	54,735
		Feb-12	30,323	30,460	60,783
		Mar-12	31,492	31,534	63,026
		Apr-12	30,385	30,406	60,791
		May-12	31,876	31,865	63,742
		Jun-12	31,715	31,493	63,208
		Jul-12	31,210	31,053	62,264
		Aug-12	33,464	33,102	66,566
		Sep-12	31,920	31,771	63,691
		Annual Average			30,920

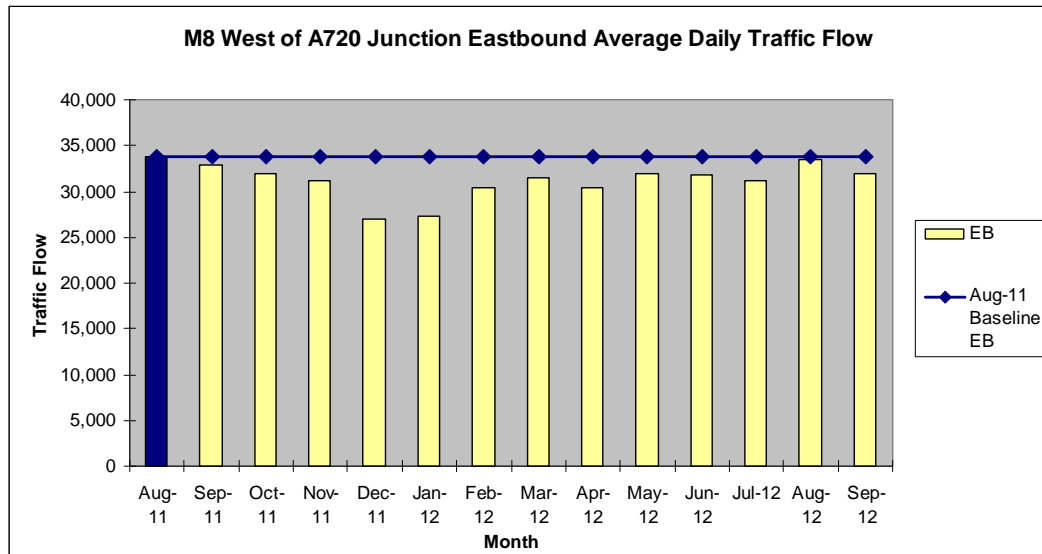


Figure 3-81 Monthly Eastbound AADTs on the M8 West of A720 Junction (Hermiston Gait)

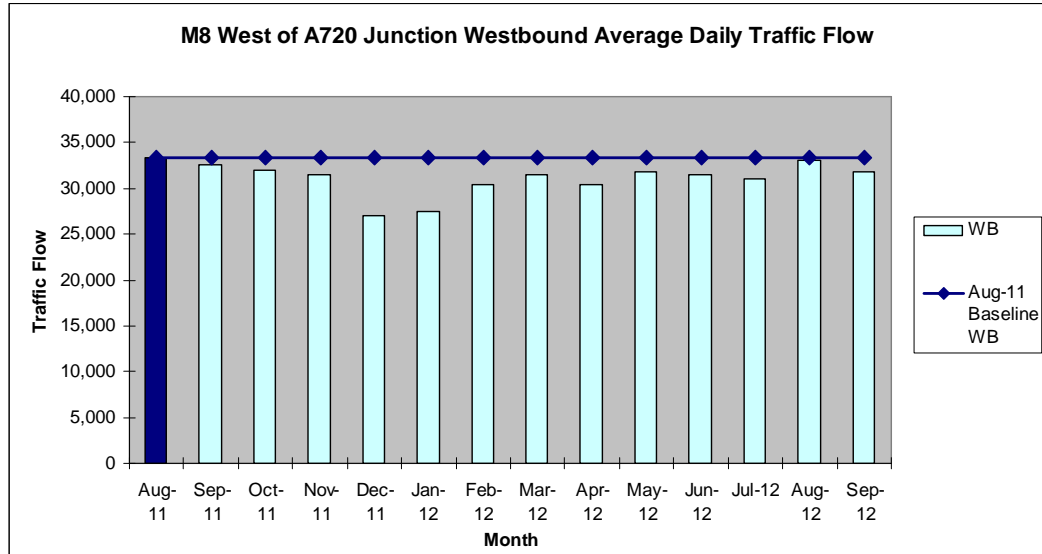


Figure 3-82 Monthly Westbound AADTs on the M8 West of A720 Junction (Hermiston Gait)

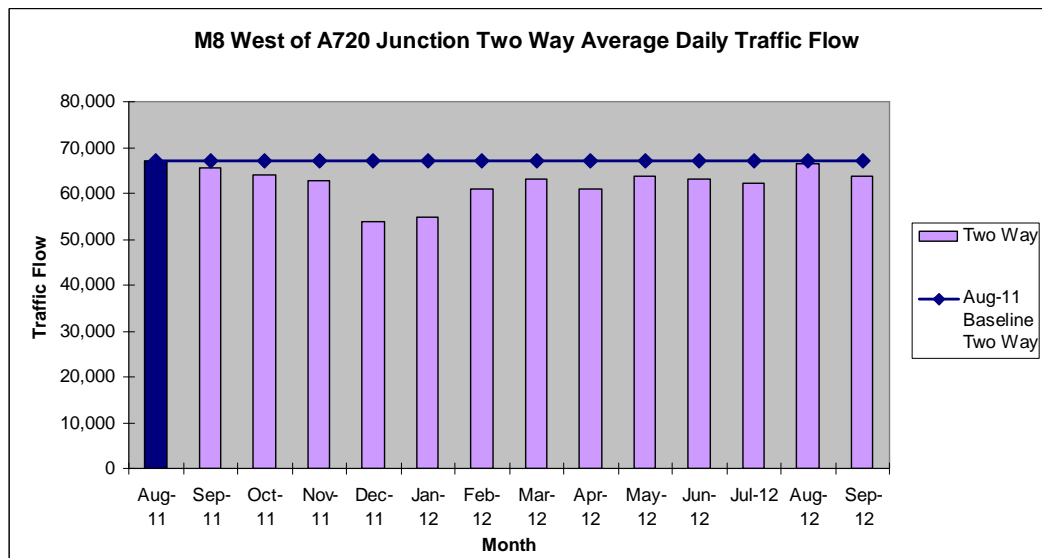


Figure 3-83 Monthly Two Way Daily Traffic Flows on the M8 West of A720 Junction (Hermiston Gait)

3.9.2 Monthly Average AM Peak Traffic Flows

Table 3-58 Site: NTCPF019 AM Peak Traffic Flows – August 2011 to September 2012

Counter	Location	Date	EB	WB	Two Way
NTCPF019	M8 West of A720 Junction (Hermiston Gait)	Aug-11	8,116	5,412	13,528
		Sep-11	8,395	5,666	14,061
		Oct-11	7,678	5,245	12,923
		Nov-11	8,033	5,506	13,539
		Dec-11	6,074	4,256	10,330
		Jan-12	6,768	4,585	11,353
		Feb-12	7,739	5,247	12,986
		Mar-12	8,255	5,606	13,861
		Apr-12	7,096	4,971	12,068
		May-12	7,971	5,482	13,454
		Jun-12	7,640	5,202	12,842
		Jul-12	7,543	4,948	12,491
		Aug-12	8,041	5,332	13,373
		Sep-12	7,689	5,158	12,847
			Annual Average		7,609

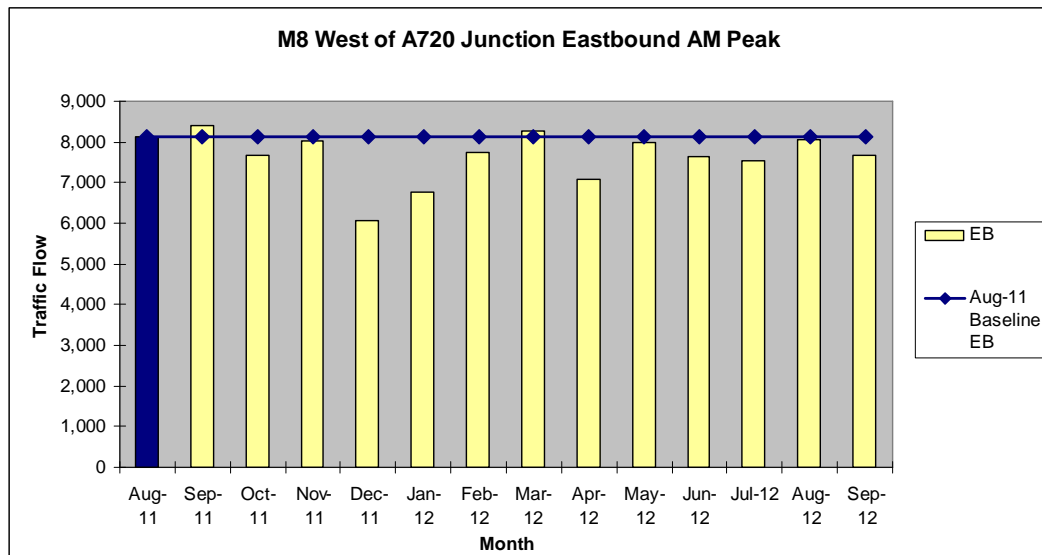


Figure 3-84 Monthly Eastbound AM Peak Flows on the M8 West of A720 Junction (Hermiston Gait)

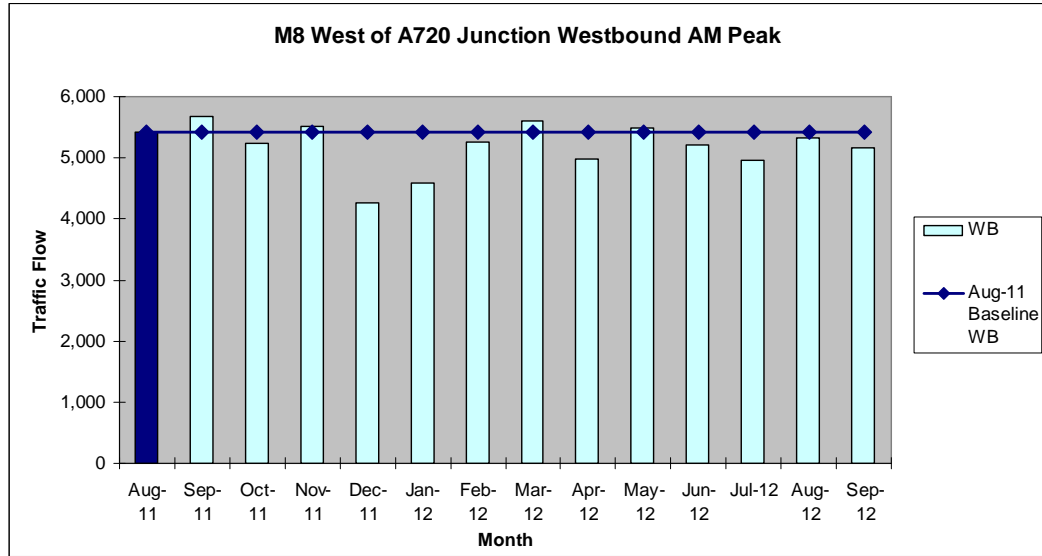


Figure 3-85 Monthly Westbound AM Peak Flows on the M8 West of A720 Junction (Hermiston Gait)

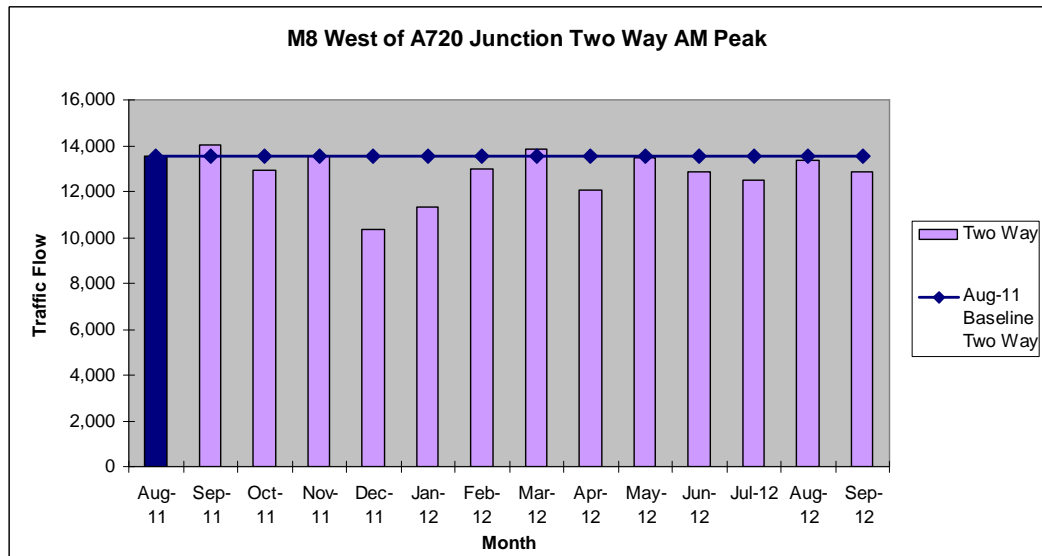


Figure 3-86 Monthly Two Way AM Peak Flows on the M8 West of A720 Junction (Hermiston Gait)

3.9.3 Monthly Average PM Peak Traffic Flows

Table 3-59 Site: NTCPF019 PM Peak Traffic Flows – August 2011 to September 2012

Counter	Location	Date	EB	WB	Two Way
NTCPF019	M8 West of A720 Junction (Hermiston Gait)	Aug-11	6,357	8,929	15,286
		Sep-11	6,119	8,802	14,921
		Oct-11	6,067	8,494	14,561
		Nov-11	5,615	8,252	13,867
		Dec-11	4,752	6,473	11,225
		Jan-12	5,092	7,424	12,516
		Feb-12	5,599	8,242	13,841
		Mar-12	5,852	8,384	14,236
		Apr-12	5,882	7,983	13,866
		May-12	6,146	8,505	14,652
		Jun-12	5,856	8,150	14,006
		Jul-12	5,697	8,248	13,945
		Aug-12	6,361	8,724	15,085
		Sep-12	6,091	8,540	14,631
	Annual Average		5,753	8,157	13,910

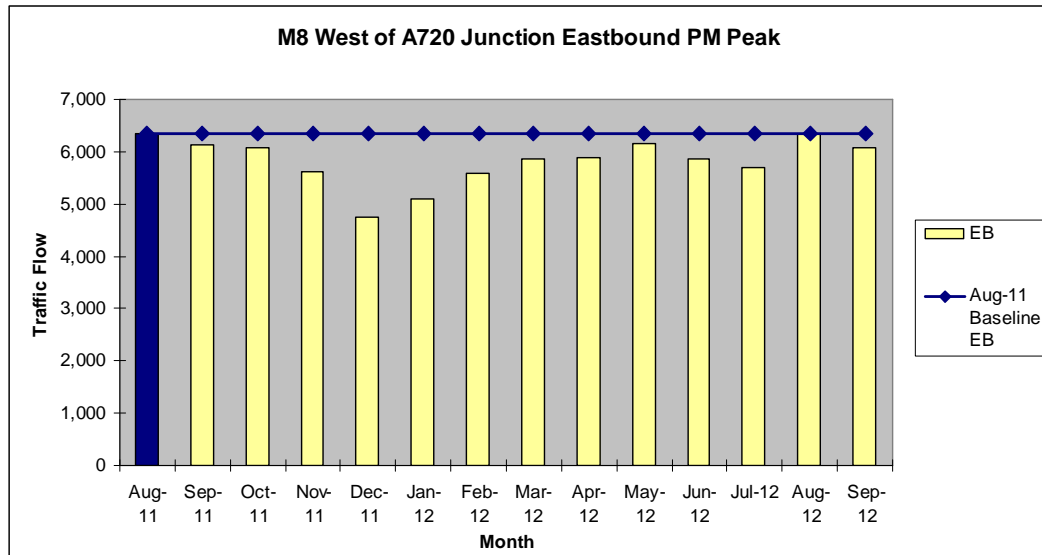


Figure 3-87 Monthly Eastbound PM Peak Flows on the M8 West of A720 Junction (Hermiston Gait)

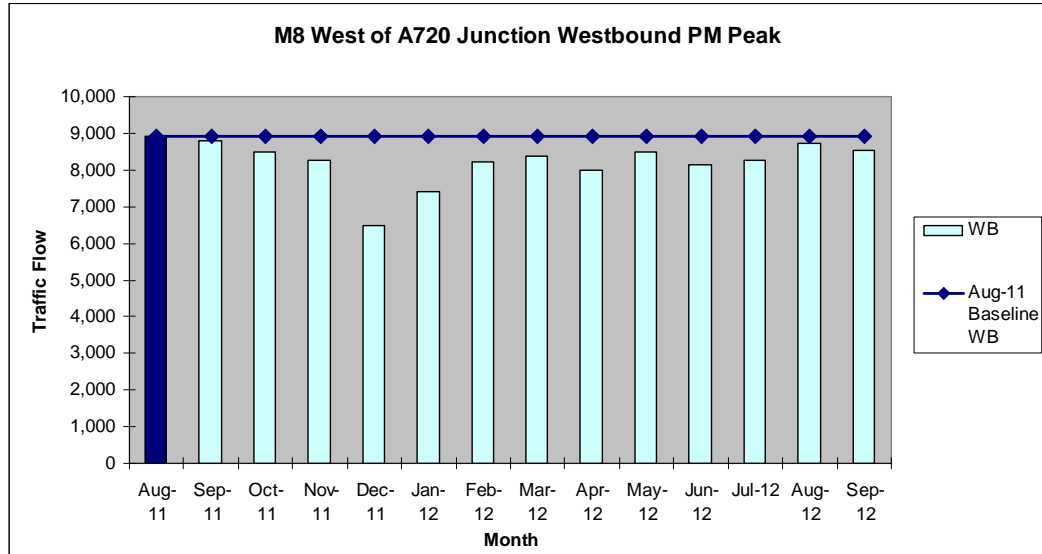


Figure 3-88 Monthly Westbound PM Peak Flows on the M8 West of A720 Junction (Hermiston Gait)

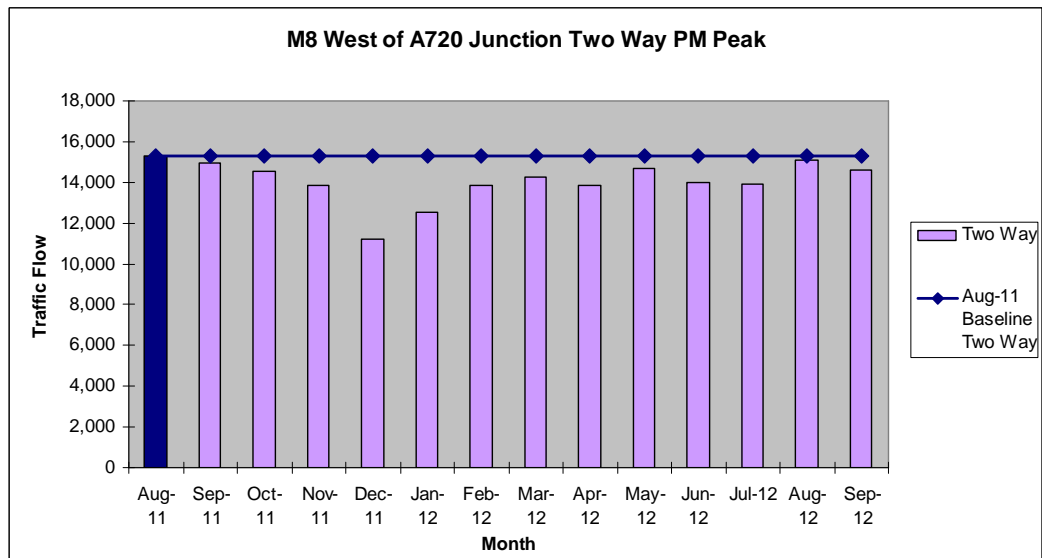


Figure 3-89 Monthly Two Way PM Peak Flows on the M8 West of A720 Junction (Hermiston Gait)

3.9.4 Monthly Average HGV Flows

Table 3-60 Site: NTCPF019 Annual HGV Traffic Flows – August 2011 to September 2012

Counter	Location	Date	EB	WB	Two Way
NTCPF019	M8 West of A720 Junction (Hermiston Gait)	Aug-11	1,764	1,615	3,380
		Sep-11	1,847	1,649	3,496
		Oct-11	1,683	1,539	3,223
		Nov-11	1,684	1,539	3,223
		Dec-11	1,445	1,318	2,763
		Jan-12	1,401	1,287	2,687
		Feb-12	1,599	1,454	3,052
		Mar-12	1,748	1,570	3,318
		Apr-12	1,627	1,490	3,118
		May-12	1,778	1,615	3,392
		Jun-12	1,748	1,586	3,334
		Jul-12	1,763	1,601	3,363
		Aug-12	1,802	1,630	3,433
		Sep-12	1,800	1,632	3,432
		Annual Average			1,674

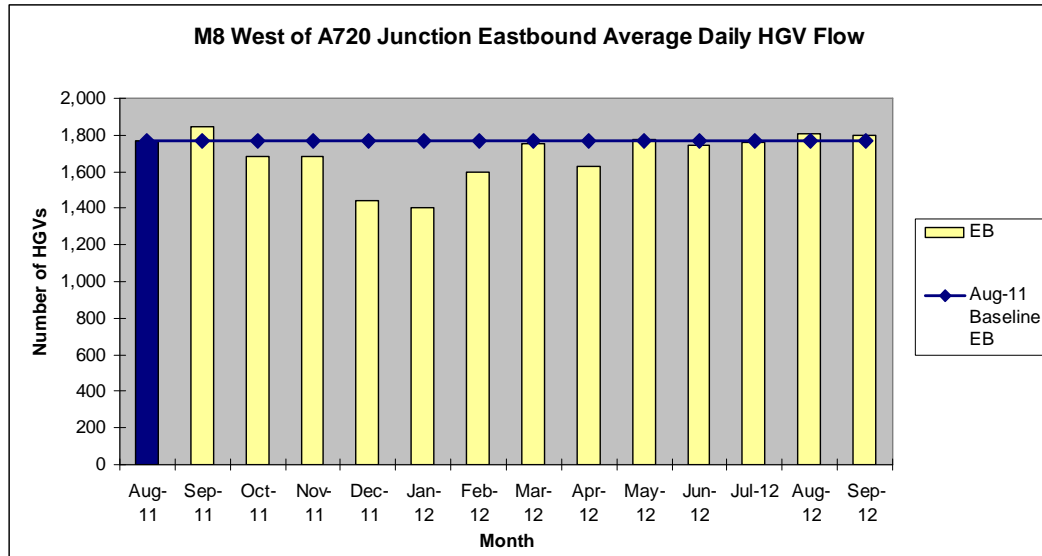


Figure 3-90 Monthly Eastbound HGV Traffic Flows on the M8 West of A720 Junction (Hermiston Gait)

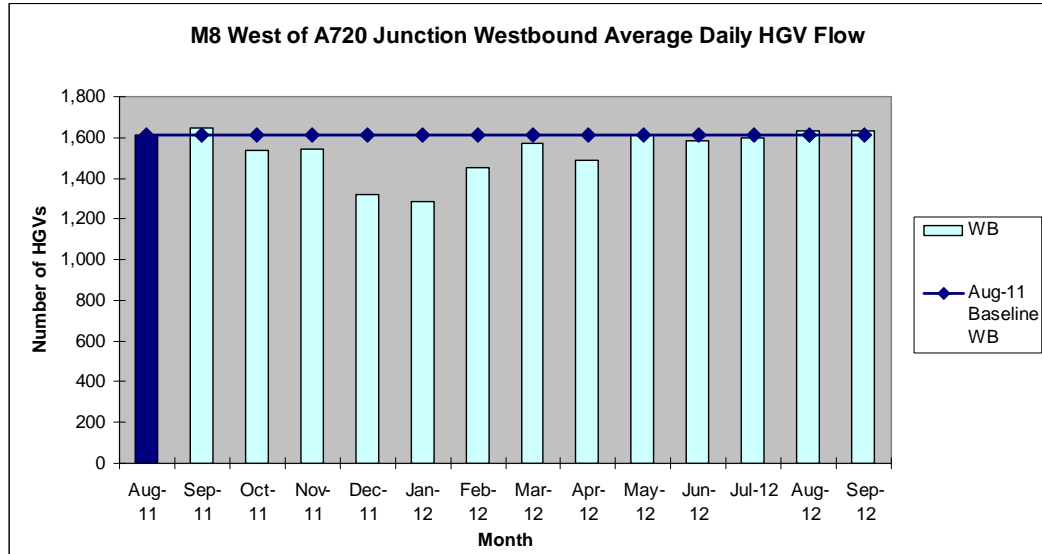


Figure 3-91 Monthly Westbound HG V Traffic Flows on the M8 West of A720 Junction (Hermiston Gait)

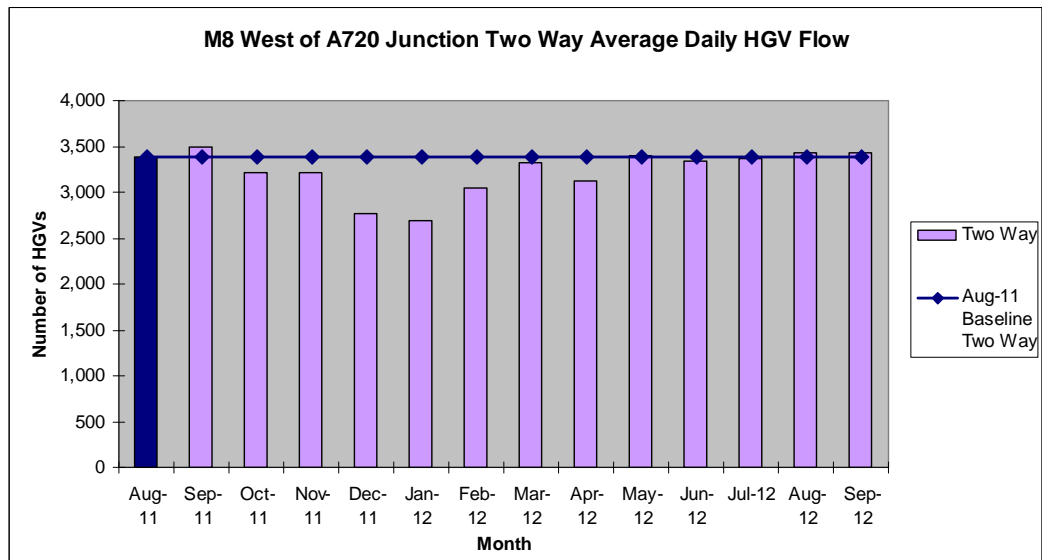


Figure 3-92 Monthly Two Way HG V Traffic Flows on the M8 West of A720 Junction (Hermiston Gait)

3.9.5 Monthly Average AM Peak HGV Flows

Table 3-61 Site: NTCPF019 AM Peak HGV Traffic Flows – August 2011 to September 2012

Counter	Location	Date	EB	WB	Two Way
NTCPF019	M8 West of A720 Junction (Hermiston Gait)	Aug-11	129	126	254
		Sep-11	144	144	288
		Oct-11	119	133	252
		Nov-11	124	138	262
		Dec-11	100	115	215
		Jan-12	97	116	214
		Feb-12	111	122	232
		Mar-12	129	135	264
		Apr-12	113	127	240
		May-12	125	139	263
		Jun-12	123	127	251
		Jul-12	125	125	249
		Aug-12	129	128	258
		Sep-12	126	128	255
		Annual Average			120

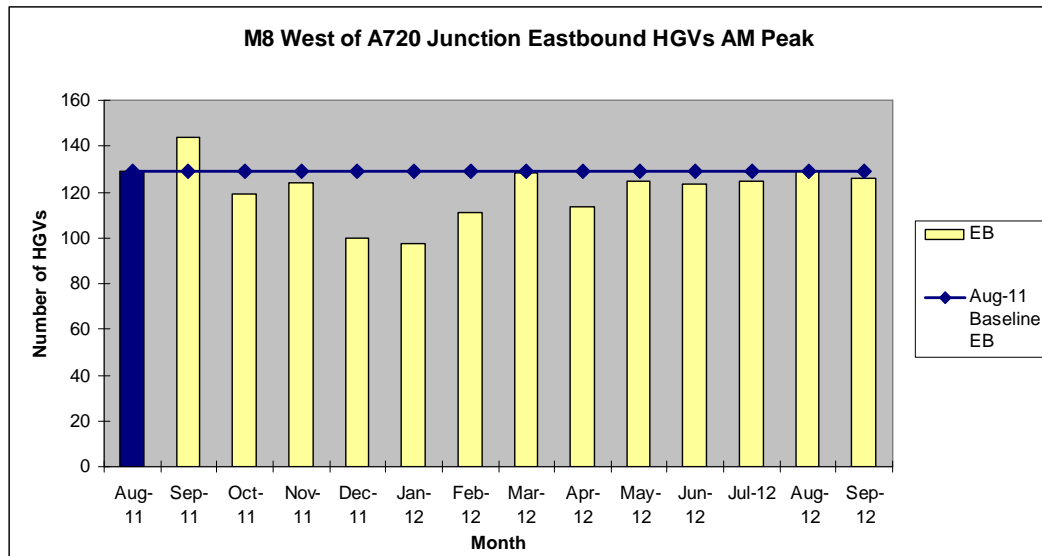


Figure 3-93 Monthly Eastbound AM Peak HGV Flows on the M8 West of A720 Junction (Hermiston Gait)

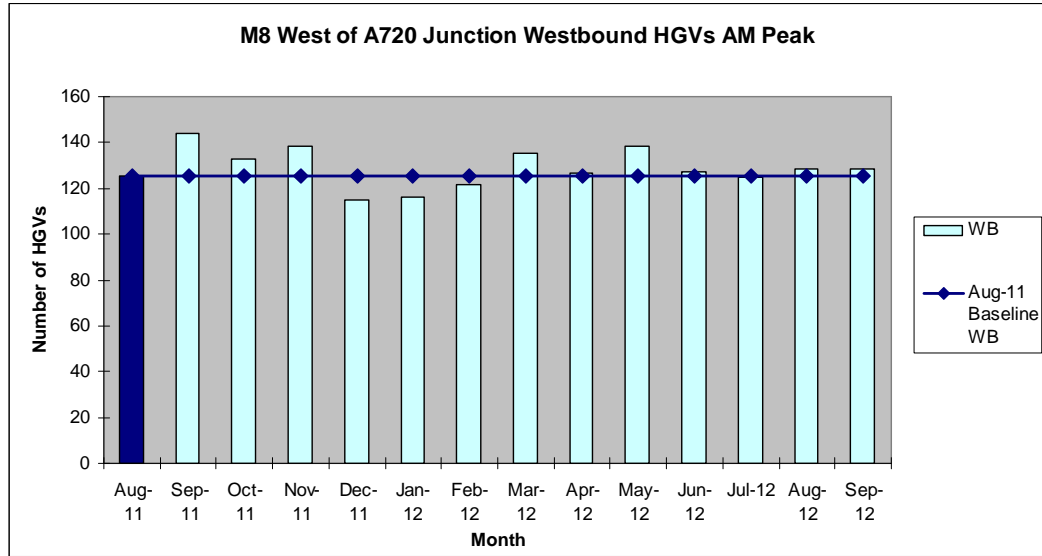


Figure 3-94 Monthly Westbound AM Peak HGV Flows on the M8 West of A720 Junction (Hermiston Gait)

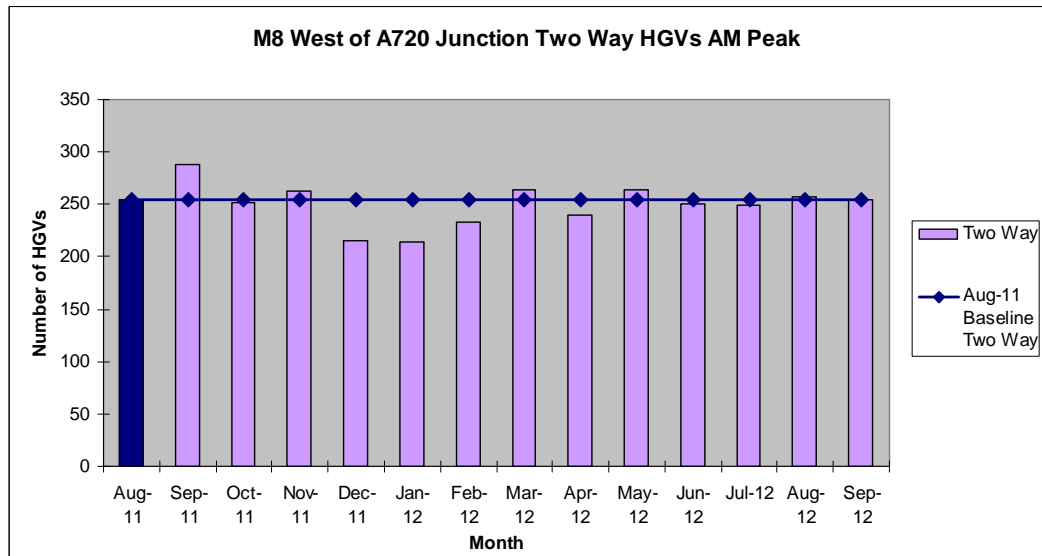


Figure 3-95 Monthly Two Way AM Peak HGV Flows on the M8 West of A720 Junction (Hermiston Gait)

3.9.6 Monthly Average PM Peak HGV Flows

Table 3-62 Site: NTCPF019 PM Peak HGV Traffic Flows – August 2011 to September 2012

Counter	Location	Date	EB	WB	Two Way
NTCPF019	M8 West of A720 Junction (Hermiston Gait)	Aug-11	60	55	115
		Sep-11	60	59	119
		Oct-11	55	50	105
		Nov-11	51	48	99
		Dec-11	41	40	81
		Jan-12	44	41	85
		Feb-12	50	45	94
		Mar-12	56	46	103
		Apr-12	54	48	101
		May-12	63	52	116
		Jun-12	59	55	115
		Jul-12	55	56	110
		Aug-12	62	55	117
		Sep-12	63	58	121
		Annual Average			54

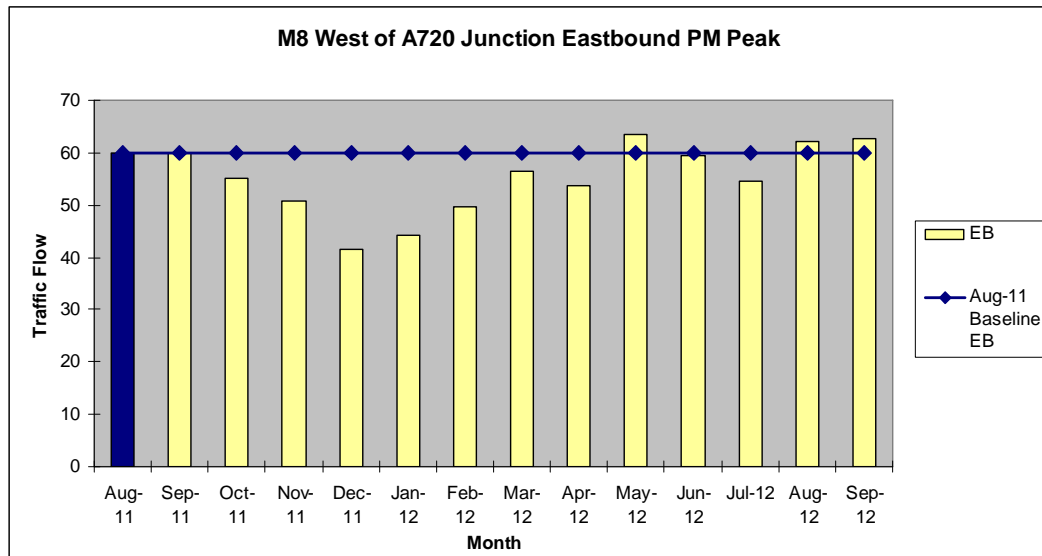


Figure 3-96 Monthly Eastbound PM HGV Peak Flows on the M8 West of A720 Junction (Hermiston Gait)

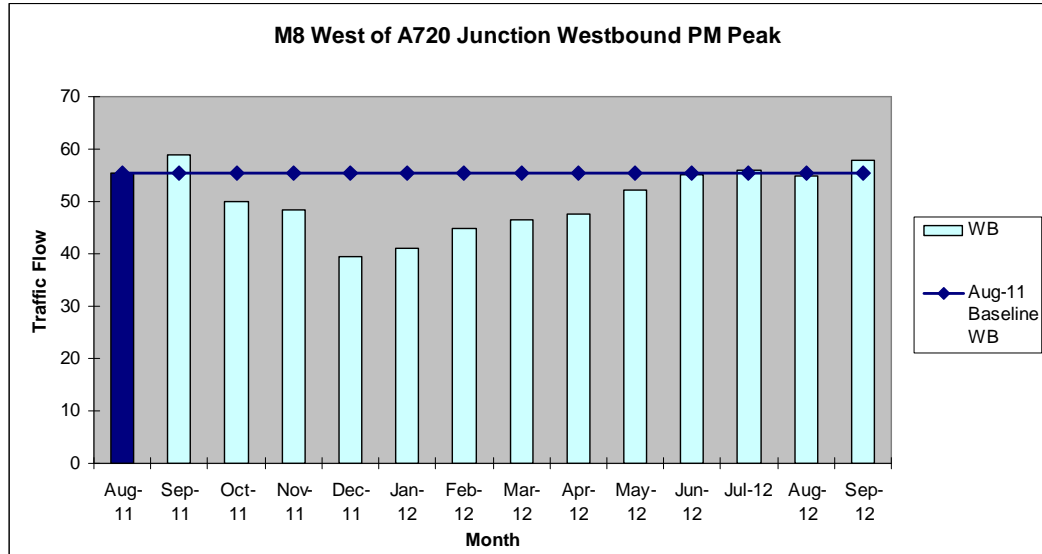


Figure 3-97 Monthly Westbound PM Peak HGV Flows on the M8 West of A720 Junction (Hermiston Gait)

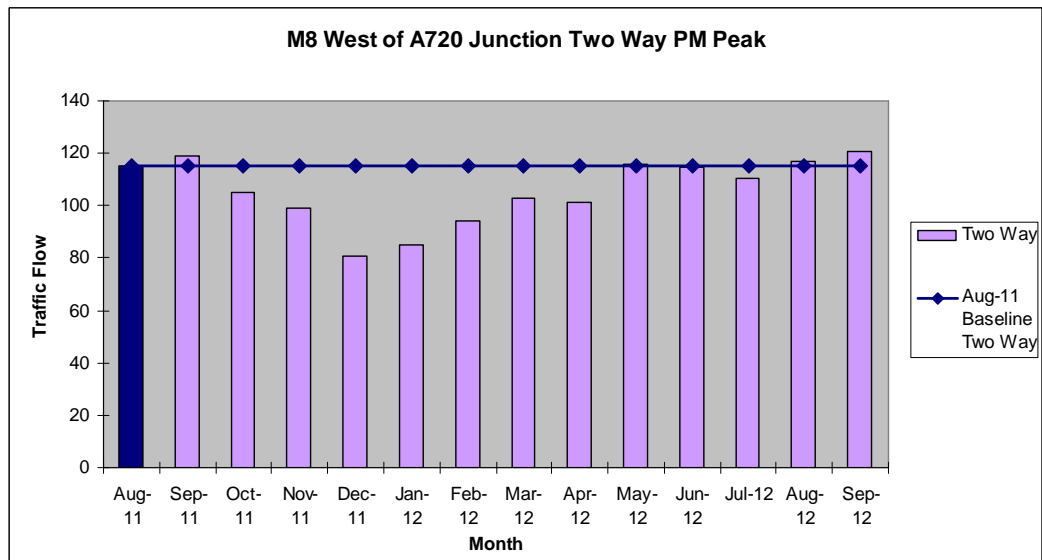


Figure 3-98 Monthly Two Way PM Peak HGV Flows on the M8 West of A720 Junction (Hermiston Gait)

3.9.7 Monthly Average All Vehicles Traffic Speeds

Table 3-63 Site: NTCPF019 Average Monthly Traffic Speeds (KPH) (All Vehicles) – August 2011 to September 2012

Counter	Location	Date	EB	WB
NTCPF019	M8 West of A720 Junction (Hermiston Gait)	Aug-11	100	101
		Sep-11	101	100
		Oct-11	100	100
		Nov-11	99	99
		Dec-11	100	98
		Jan-12	101	98
		Feb-12	101	99
		Mar-12	102	100
		Apr-12	100	101
		May-12	99	101
		Jun-12	98	102
		Jul-12	101	101
		Aug-12	99	101
Sep-12	99	99		

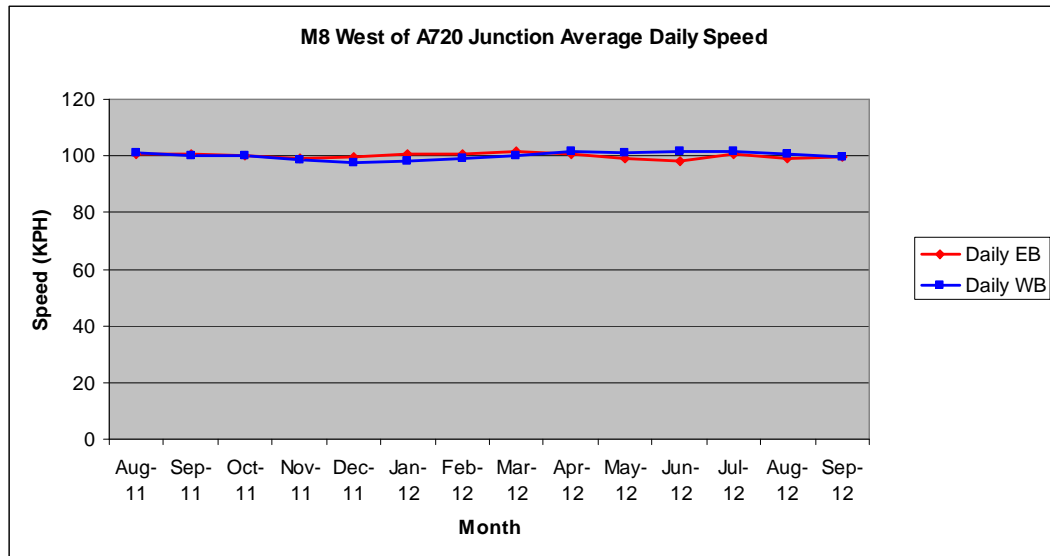


Figure 3-99 Average Monthly Traffic Speeds (KPH) on the M8 West of A720 Junction (Hermiston Gait)

4 A-Road Automatic Traffic Counter Data

4.1 Traffic Counter JTC00318 - A985 Rosyth (Admiralty Road West)

4.1.1 Monthly Average Traffic Flows

Table 4-1 Site: JTC00318 Annual Traffic Flows – August 2011 to September 2012

Counter	Location	Date	EB	WB	Two Way
JTC00318	A985 Rosyth (Admiralty Road West)	Aug-11	No Data	No Data	No Data
		Sep-11	No Data	No Data	No Data
		Oct-11	6,022	6,036	12,058
		Nov-11	6,409	6,434	12,843
		Dec-11	5,566	5,816	11,382
		Jan-12	5,732	5,845	11,578
		Feb-12	6,486	6,497	12,983
		Mar-12	6,627	6,650	13,277
		Apr-12	6,096	6,508	12,603
		May-12	6,582	6,693	13,275
		Jun-12	6,412	6,389	12,801
		Jul-12	6,113	6,175	12,288
		Aug-12	6,756	6,768	13,525
		Sep-12	6,454	6,528	12,981
	Annual Average		6,204	6,304	12,509

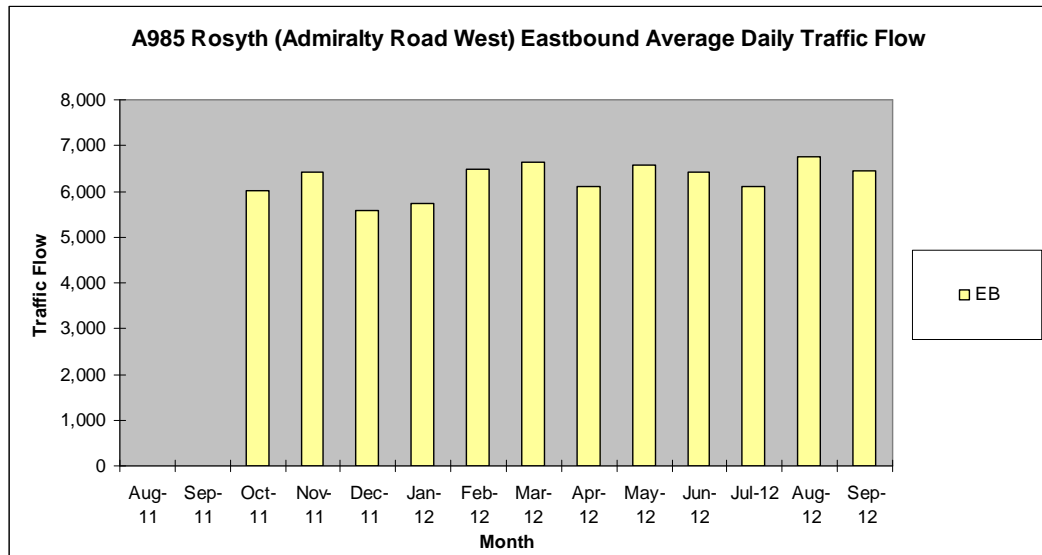


Figure 4-1 Monthly Eastbound AADTs on the A985 Rosyth (Admiralty Road West)

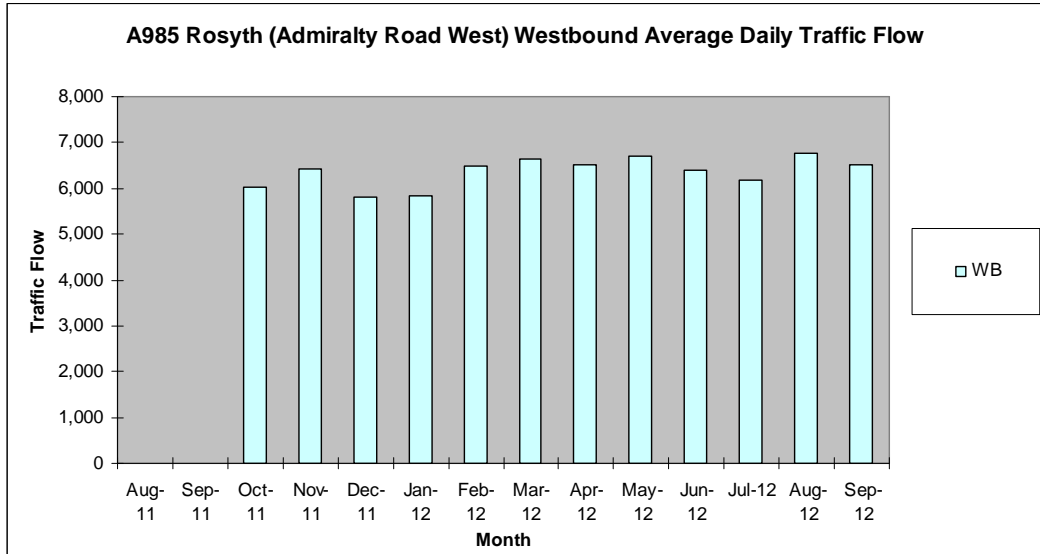


Figure 4-2 Monthly Westbound AADTs on the A985 Rosyth (Admiralty Road West)

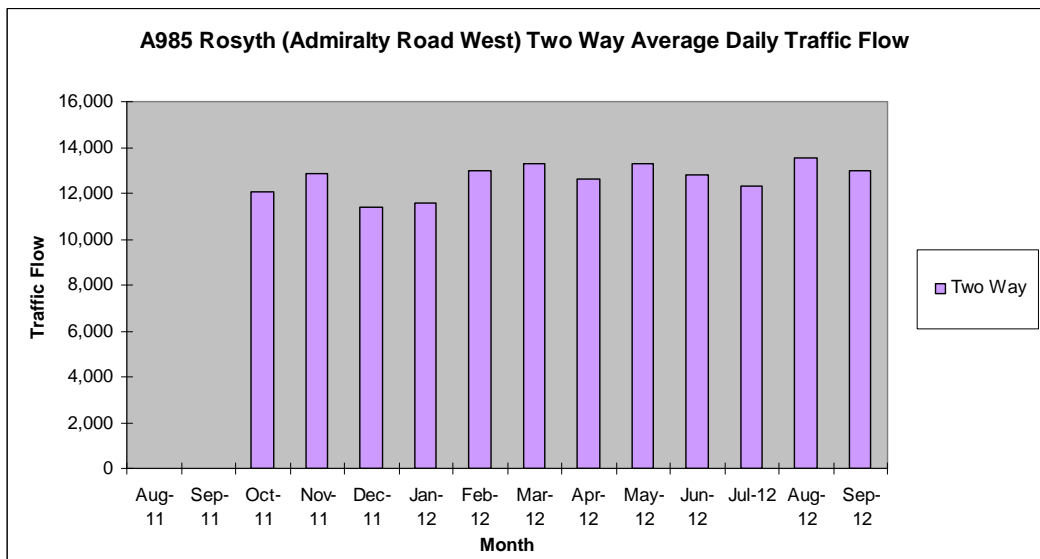


Figure 4-3 Monthly Two Way Daily Traffic Flows on the A985 Rosyth (Admiralty Road West)

4.1.2 Monthly Average AM Peak Traffic Flows

Table 4-2 Site: JTC00318 AM Peak Traffic Flows – August 2011 to September 2012

Counter	Location	Date	EB	WB	Two Way
JTC00318	A985 Rosyth (Admiralty Road West)	Aug-11	No Data	No Data	No Data
		Sep-11	No Data	No Data	No Data
		Oct-11	1,176	1,042	2,218
		Nov-11	1,384	1,199	2,583
		Dec-11	1,048	968	2,016
		Jan-12	1,156	1,016	2,172
		Feb-12	1,389	1,181	2,570
		Mar-12	1,389	1,203	2,592
		Apr-12	1,158	1,096	2,254
		May-12	1,304	1,198	2,502
		Jun-12	1,229	1,099	2,328
		Jul-12	1,117	995	2,113
		Aug-12	1,303	1,159	2,463
		Sep-12	1,265	1,142	2,407
		Annual Average	1,235	1,100	2,335

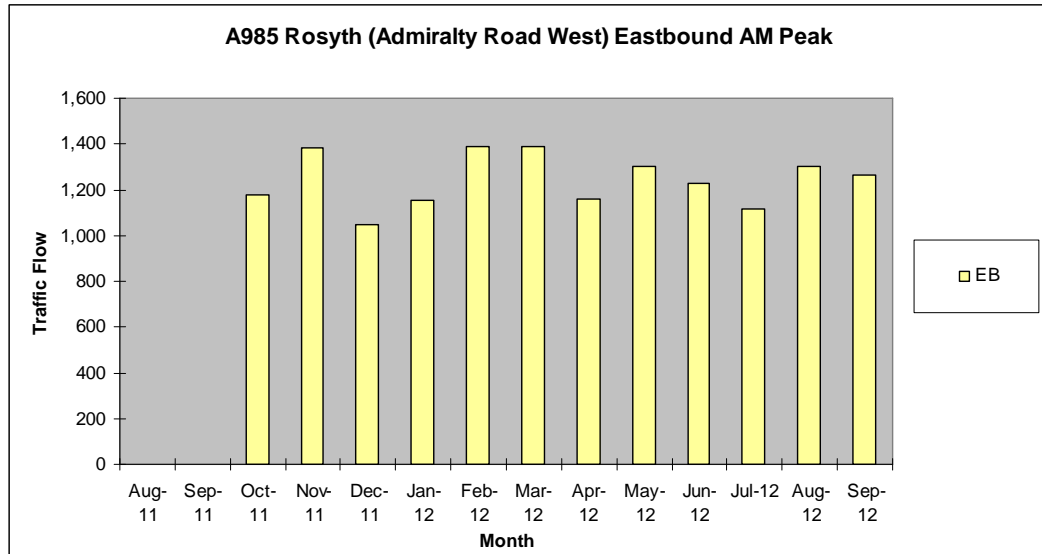


Figure 4-4 Monthly Eastbound AM Peak Flows on the A985 Rosyth (Admiralty Road West)

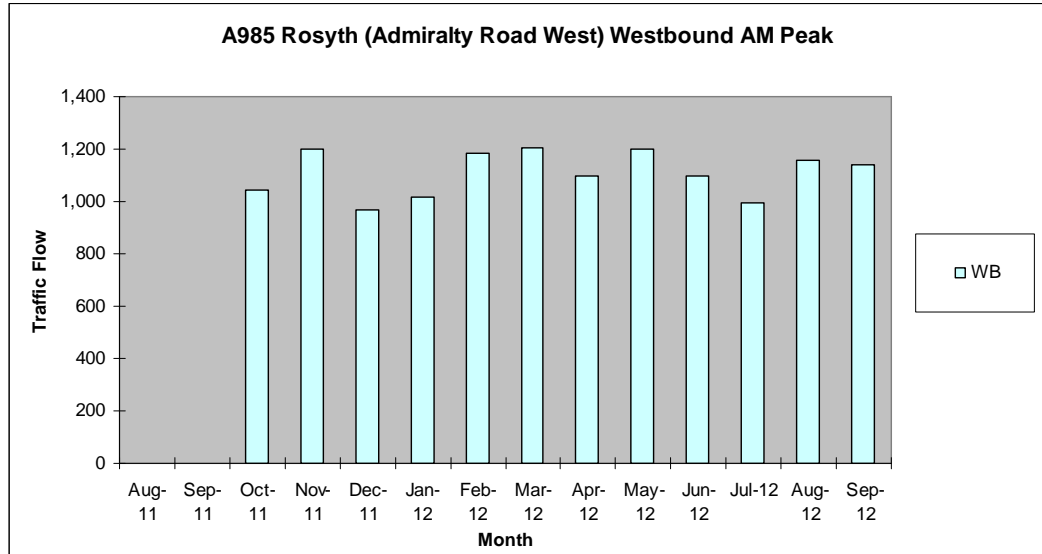


Figure 4-5 Monthly Westbound AM Peak Flows on the A985 Rosyth (Admiralty Road West)

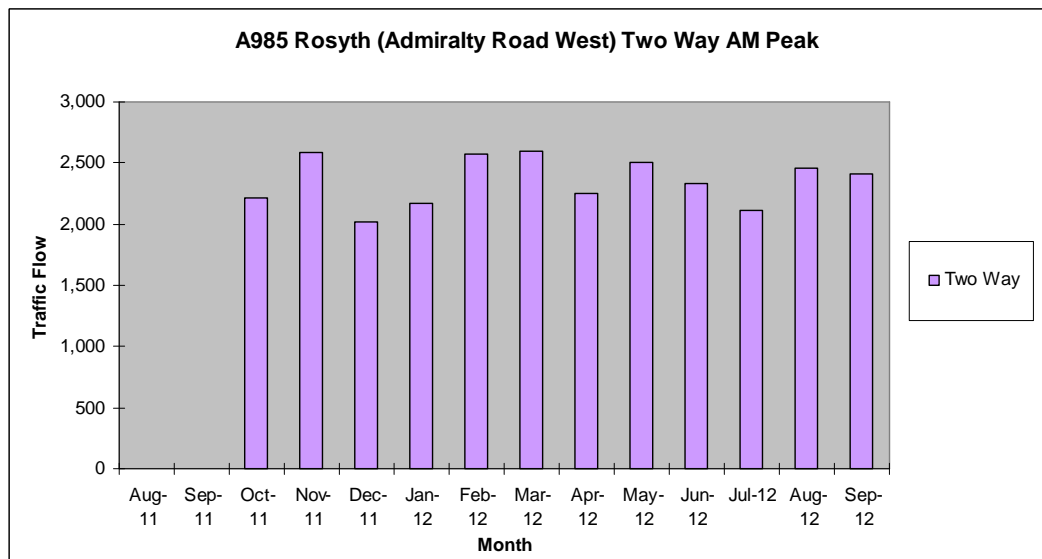


Figure 4-6 Monthly Two Way AM Peak Flows on the A985 Rosyth (Admiralty Road West)

4.1.3 Monthly Average PM Peak Traffic Flows

Table 4-3 Site: JTC00318 PM Peak Traffic Flows – August 2011 to September 2012

Counter	Location	Date	EB	WB	Two Way
JTC00318	A985 Rosyth (Admiralty Road West)	Aug-11	No Data	No Data	No Data
		Sep-11	No Data	No Data	No Data
		Oct-11	1,440	1,514	2,954
		Nov-11	1,444	1,555	2,999
		Dec-11	1,184	1,316	2,500
		Jan-12	1,289	1,397	2,686
		Feb-12	1,467	1,571	3,038
		Mar-12	1,508	1,600	3,109
		Apr-12	1,398	1,551	2,949
		May-12	1,513	1,611	3,124
		Jun-12	1,439	1,479	2,919
		Jul-12	1,382	1,469	2,851
		Aug-12	1,554	1,634	3,188
		Sep-12	1,500	1,570	3,070
	Annual Average	1,406	1,506	2,913	

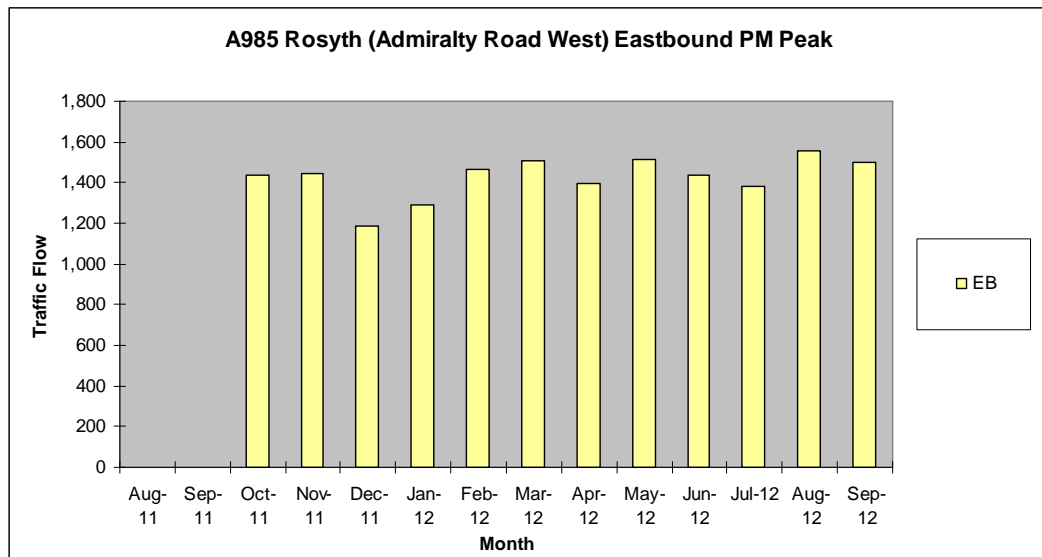


Figure 4-7 Monthly Eastbound PM Peak Flows on the A985 Rosyth (Admiralty Road West)

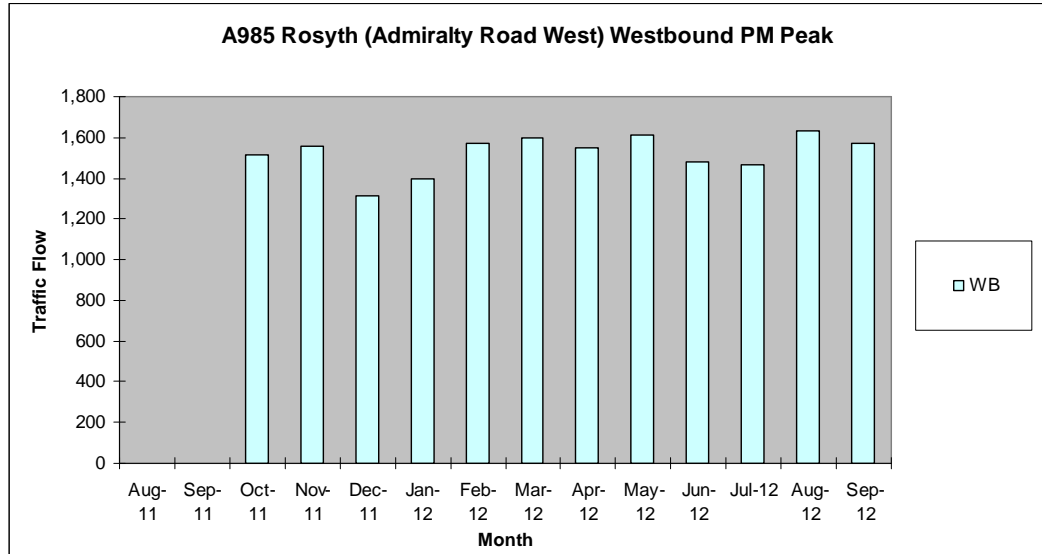


Figure 4-8 Monthly Westbound PM Peak Flows on the A985 Rosyth (Admiralty Road West)

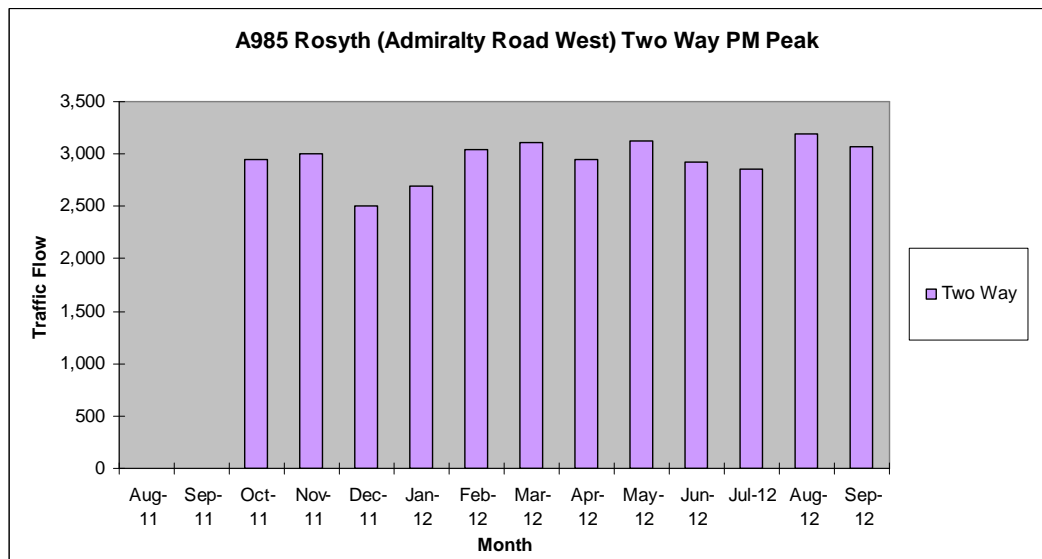


Figure 4-9 Monthly Two Way PM Peak Flows on the A985 Rosyth (Admiralty Road West)

4.1.4 Monthly Average HGV Flows

Table 4-4 Site: JTC00318 Annual HGV Traffic Flows – August 2011 to September 2012

Counter	Location	Date	EB	WB	Two Way
JTC00318	A985 Rosyth (Admiralty Road West)	Aug-11	No Data	No Data	No Data
		Sep-11	No Data	No Data	No Data
		Oct-11	184	171	355
		Nov-11	197	179	376
		Dec-11	148	161	309
		Jan-12	172	156	328
		Feb-12	191	172	363
		Mar-12	201	190	391
		Apr-12	148	166	314
		May-12	178	179	357
		Jun-12	189	175	365
		Jul-12	171	168	339
		Aug-12	194	181	375
		Sep-12	243	230	472
		Annual Average	178	172	350

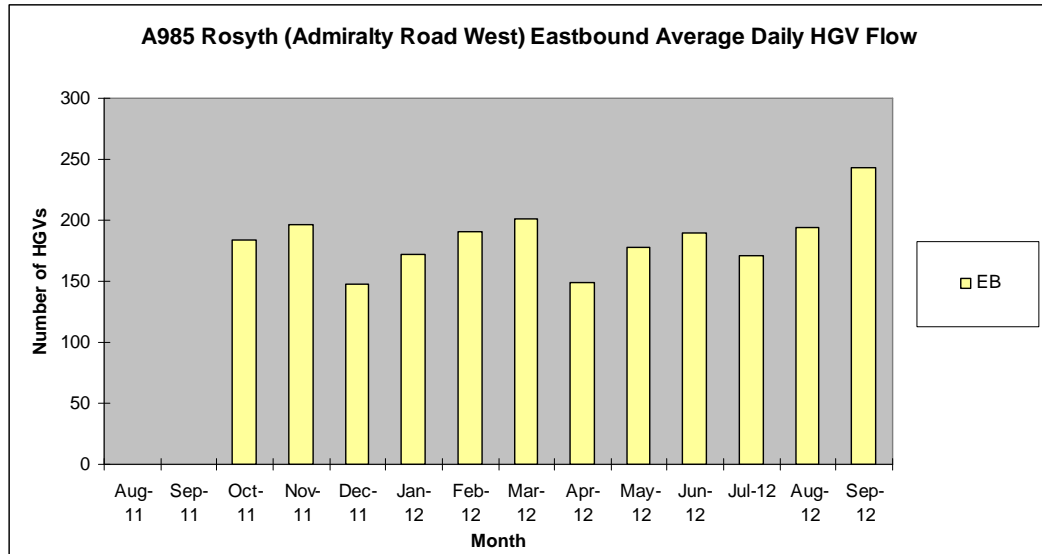


Figure 4-10 Monthly Eastbound HGV Flows on the A985 Rosyth (Admiralty Road West)

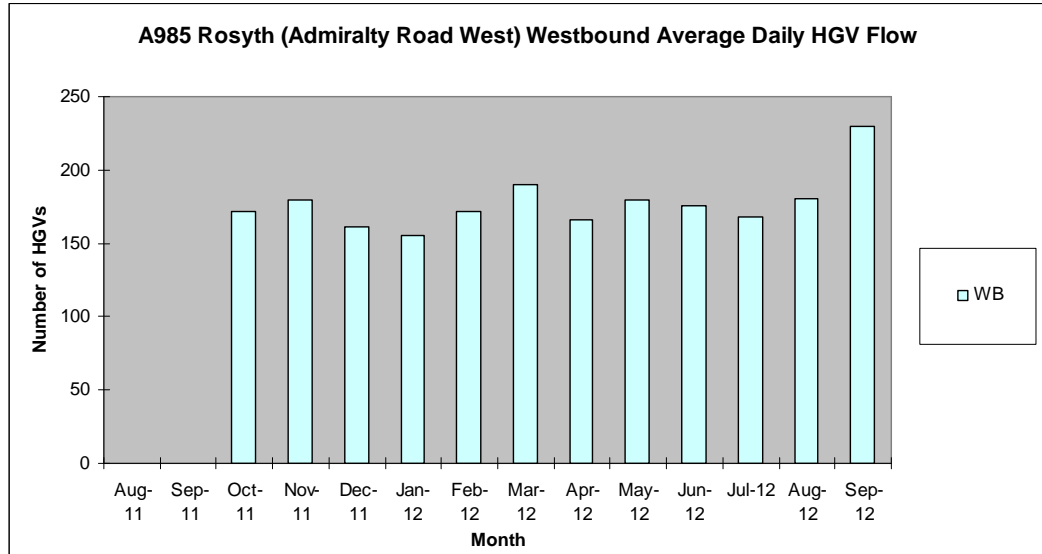


Figure 4-11 Monthly Westbound HGV Flows on the A985 Rosyth (Admiralty Road West)

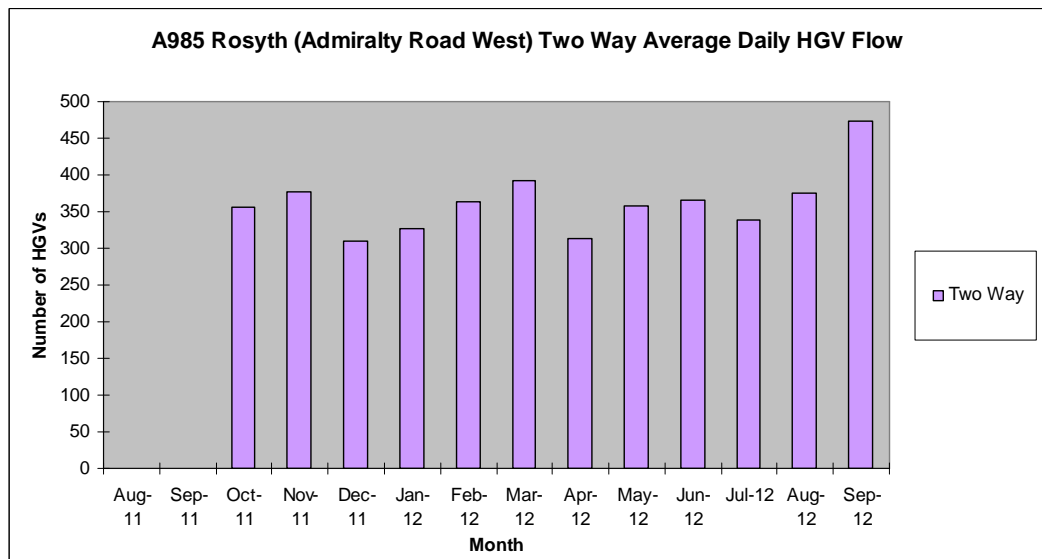


Figure 4-12 Monthly Two Way HGV Flows on the A985 Rosyth (Admiralty Road West)

4.1.5 Monthly Average AM Peak HGV Flows

Table 4-5 Site: JTC00318 AM Peak HGV Traffic Flows – August 2011 to September 2012

Counter	Location	Date	EB	WB	Two Way
JTC00318	A985 Rosyth (Admiralty Road West)	Aug-11	No Data	No Data	No Data
		Sep-11	No Data	No Data	No Data
		Oct-11	45	45	90
		Nov-11	54	50	104
		Dec-11	36	37	73
		Jan-12	46	41	87
		Feb-12	52	47	99
		Mar-12	55	55	110
		Apr-12	39	46	84
		May-12	48	54	102
		Jun-12	51	50	100
		Jul-12	41	43	84
		Aug-12	49	52	101
		Sep-12	61	59	120
			Annual Average	46	47

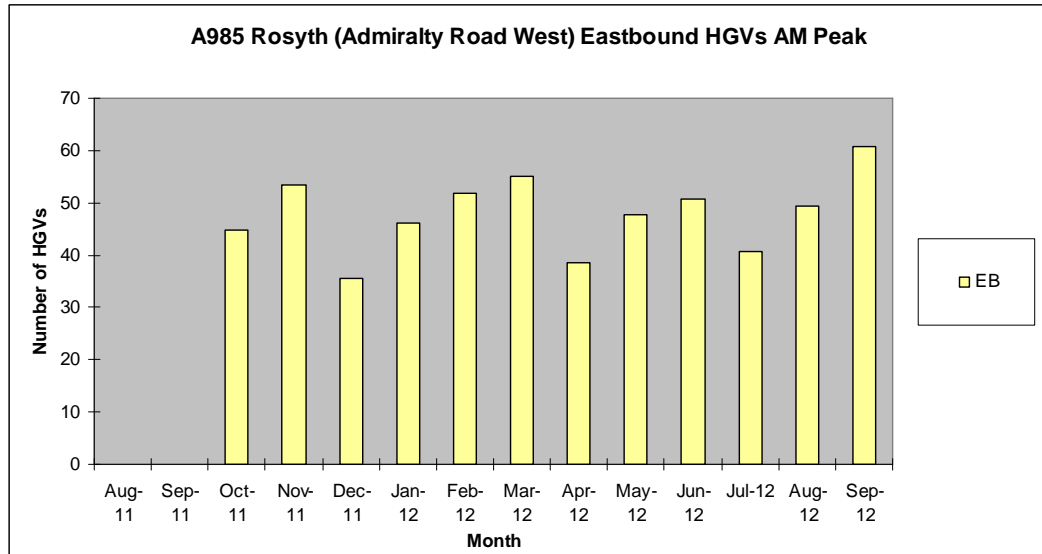


Figure 4-13 Monthly Eastbound AM Peak HGV Flows on the A985 Rosyth (Admiralty Road West)

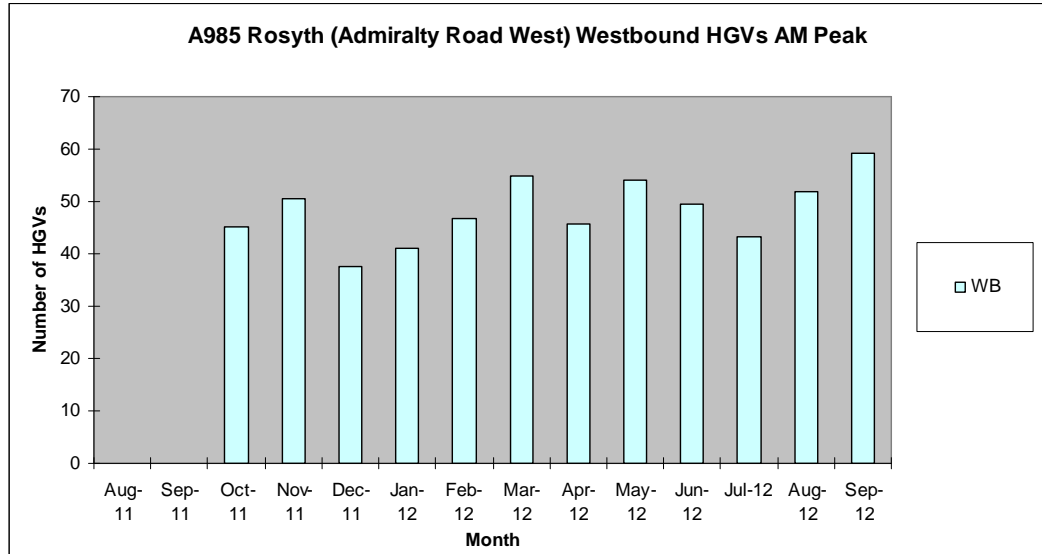


Figure 4-14 Monthly Westbound AM Peak HGV Flows on the A985 Rosyth (Admiralty Road West)

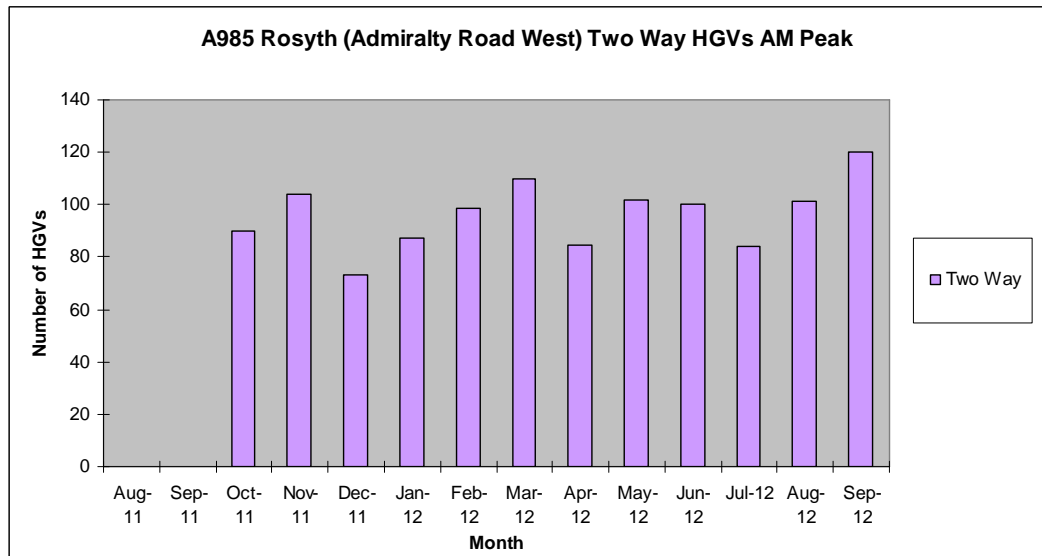


Figure 4-15 Monthly Two Way AM Peak HGV Flows on the A985 Rosyth (Admiralty Road West)

4.1.6 Monthly Average PM Peak HGV Flows

Table 4-6 Site: JTC00318 PM Peak HGV Traffic Flows – August 2011 to September 2012

Counter	Location	Date	EB	WB	Two Way
JTC00318	A985 Rosyth (Admiralty Road West)	Aug-11	No Data	No Data	No Data
		Sep-11	No Data	No Data	No Data
		Oct-11	30	29	59
		Nov-11	28	28	56
		Dec-11	22	26	48
		Jan-12	26	24	50
		Feb-12	31	26	57
		Mar-12	31	28	59
		Apr-12	24	26	50
		May-12	31	27	57
		Jun-12	29	27	56
		Jul-12	26	26	52
		Aug-12	33	30	63
		Sep-12	41	41	82
		Annual Average	28	27	54

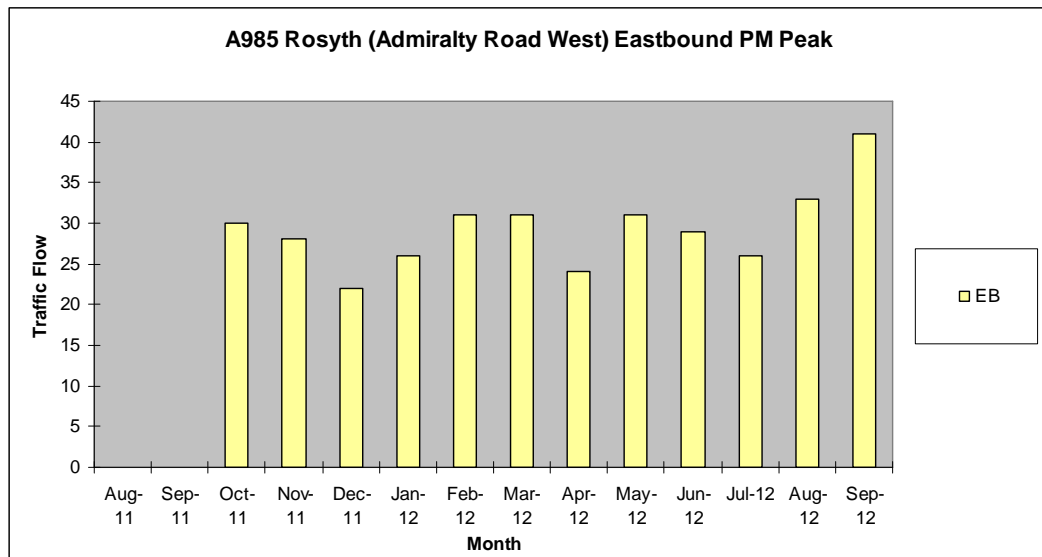


Figure 4-16 Monthly Eastbound PM HGV Peak Flows on the A985 Rosyth (Admiralty Road West)

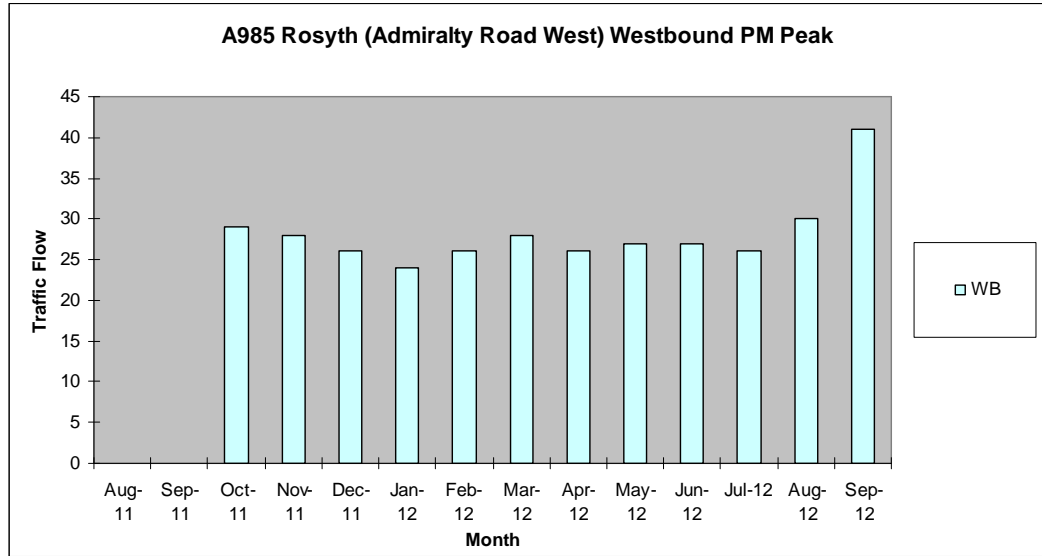


Figure 4-17 Monthly Westbound PM Peak HGV Flows on the A985 Rosyth (Admiralty Road West)

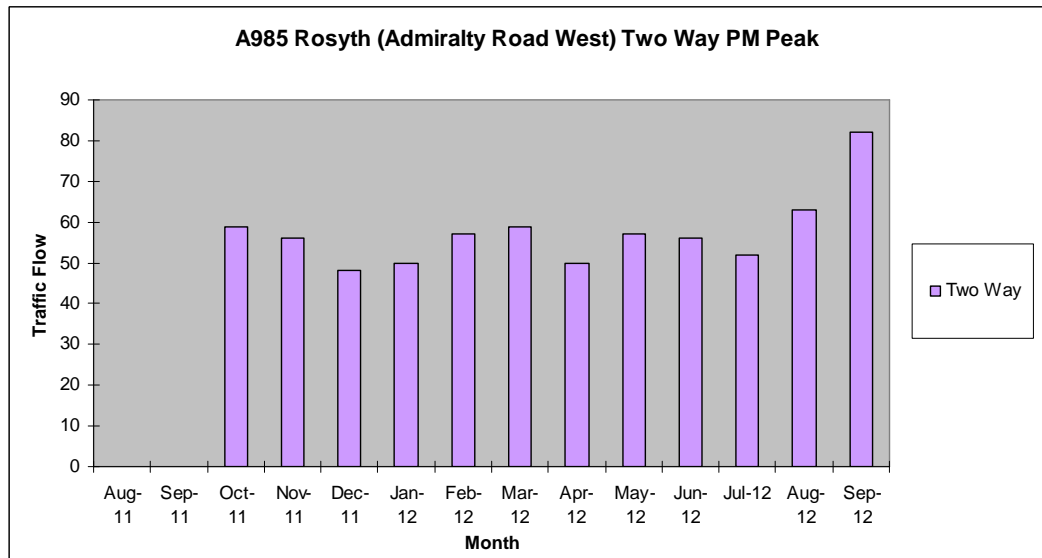


Figure 4-18 Monthly Two Way PM Peak HGV Flows on the A985 Rosyth (Admiralty Road West)

4.1.7 Monthly Average All Vehicles Traffic Speeds

Table 4-7 Site: JTC00318 Average Monthly Traffic Speeds (KPH) (All Vehicles) – August 2011 to September 2012

Counter	Location	Date	EB	WB
JTC00318	A985 Rosyth (Admiralty Road West)	Aug-11	No Data	No Data
		Sep-11	No Data	No Data
		Oct-11	47	48
		Nov-11	47	48
		Dec-11	47	48
		Jan-12	47	48
		Feb-12	47	49
		Mar-12	48	49
		Apr-12	48	49
		May-12	48	49
		Jun-12	48	49
		Jul-12	47	49
		Aug-12	48	49
Sep-12	48	49		

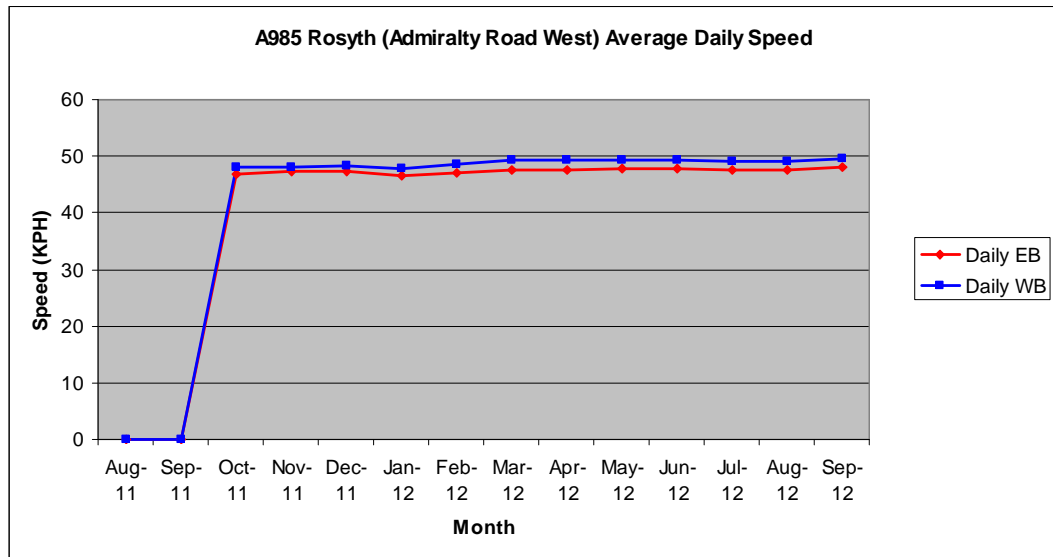


Figure 4-19 Average Monthly Traffic Speeds (KPH) on the A985 Rosyth (Admiralty Road West)

4.2 Traffic Counter JTC00395 - A904 (East of Newton)

4.2.1 Monthly Average Traffic Flows

Table 4-8 Site: JTC00395 Annual Traffic Flows – August 2011 to September 2012

Counter	Location	Date	EB	WB	Two Way
JTC00395	A904 (East of Newton)	Aug-11	6,746	7,058	13,803
		Sep-11	6,487	6,843	13,330
		Oct-11	6,006	6,289	12,294
		Nov-11	6,283	6,664	12,947
		Dec-11	5,167	5,601	10,768
		Jan-12	5,659	6,032	11,691
		Feb-12	6,278	6,629	12,906
		Mar-12	6,643	6,962	13,605
		Apr-12	6,345	6,620	12,965
		May-12	6,911	7,379	14,290
		Jun-12	6,708	7,190	13,898
		Jul-12	6,501	6,817	13,319
		Aug-12	7,126	7,564	14,690
		Sep-12	6,770	7,173	13,942
		Annual Average			6,311

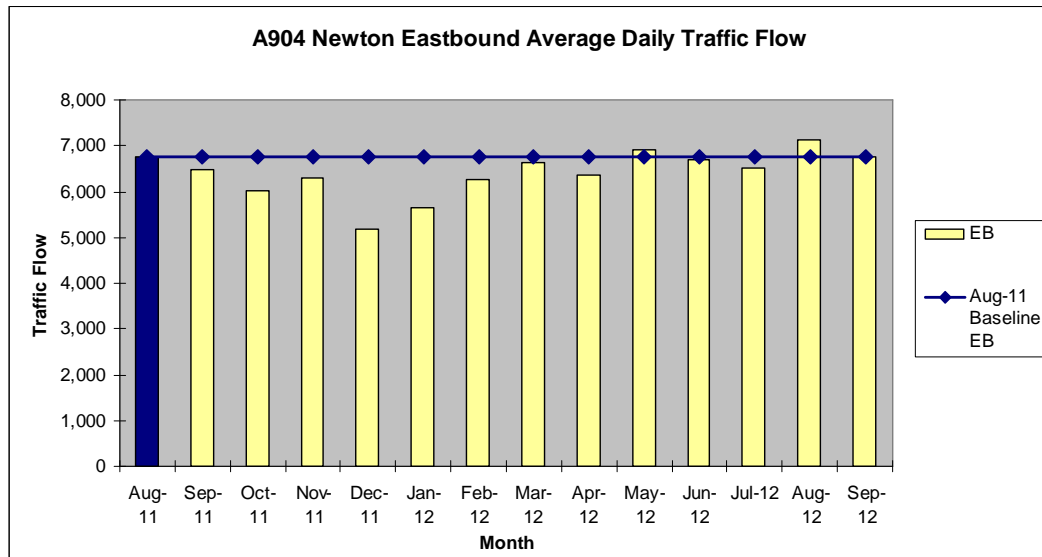


Figure 4-20 Monthly Eastbound AADTs on the A904 East of Newton

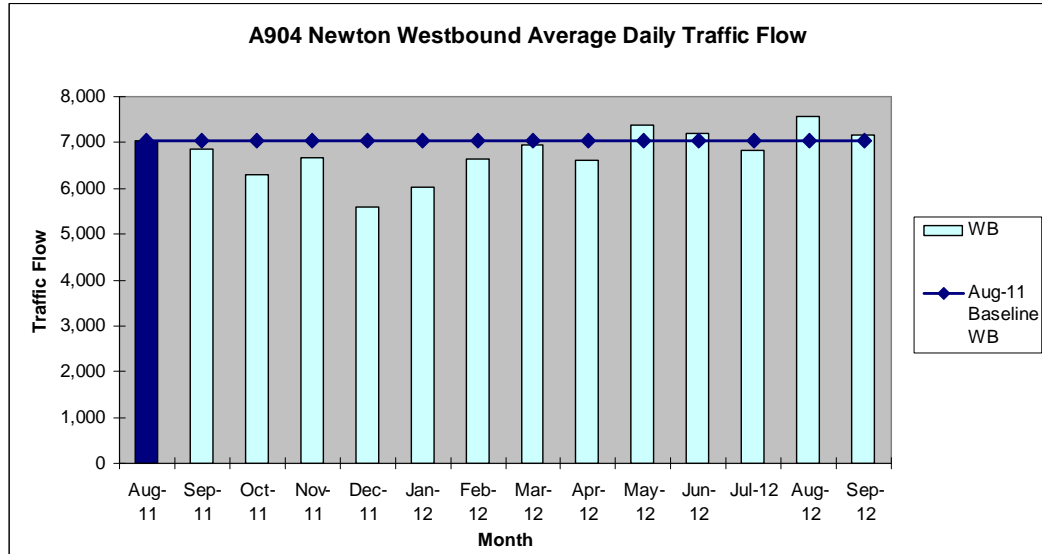


Figure 4-21 Monthly Westbound AADTs on the A904 East of Newton

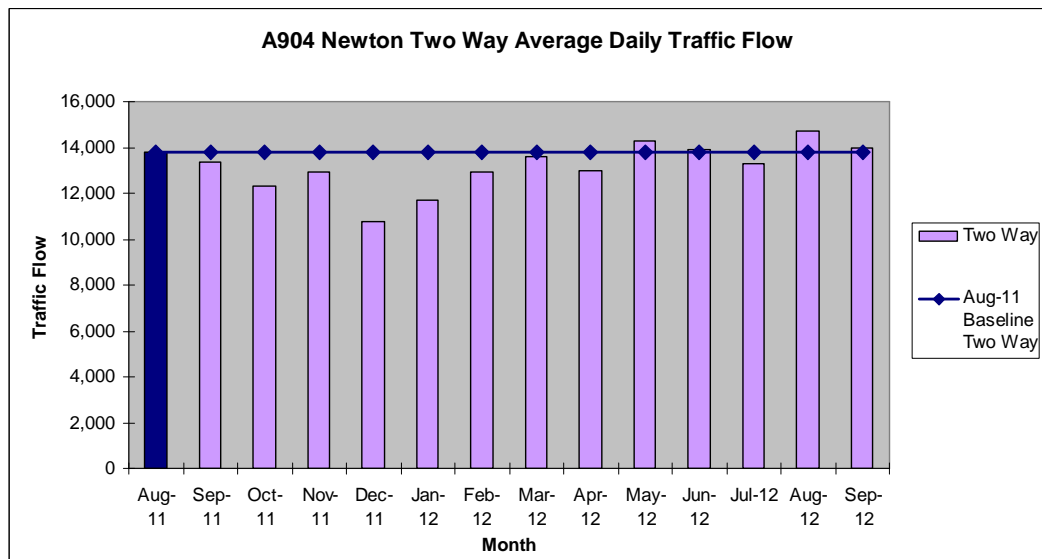


Figure 4-22 Monthly Two Way Daily Traffic Flows on the A904 East of Newton

4.2.2 Monthly Average AM Peak Traffic Flows

Table 4-9 Site: JTC00395 AM Peak Traffic Flows – August 2011 to September 2012

Counter	Location	Date	EB	WB	Two Way
JTC00395	A904 (East of Newton)	Aug-11	1,605	1,075	2,680
		Sep-11	1,629	1,128	2,757
		Oct-11	1,490	1,009	2,499
		Nov-11	1,703	1,229	2,932
		Dec-11	1,244	897	2,141
		Jan-12	1,384	1,017	2,400
		Feb-12	1,576	1,124	2,700
		Mar-12	1,644	1,176	2,821
		Apr-12	1,457	1,048	2,505
		May-12	1,679	1,245	2,924
		Jun-12	1,553	1,170	2,723
		Jul-12	1,420	1,045	2,464
		Aug-12	1,609	1,199	2,808
		Sep-12	1,541	1,179	2,720
		Annual Average			1,532

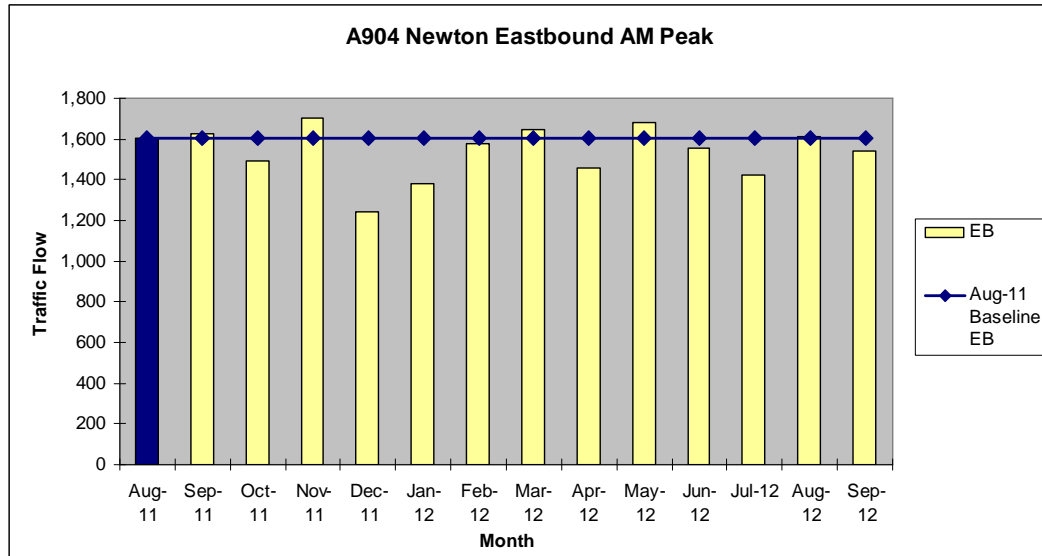


Figure 4-23 Monthly Eastbound AM Peak Flows on the A904 East of Newton

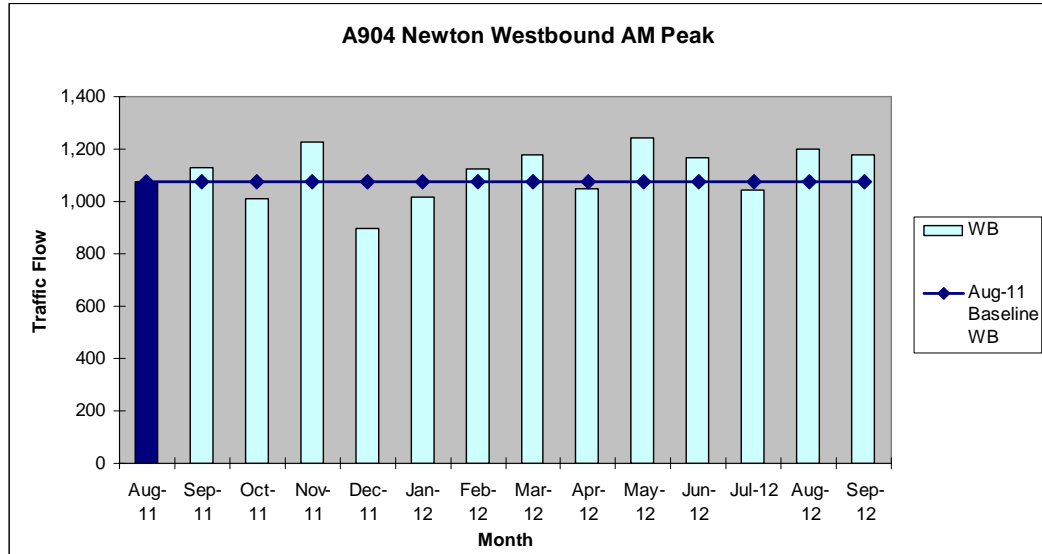


Figure 4-24 Monthly Westbound AM Peak Flows on the A904 East of Newton

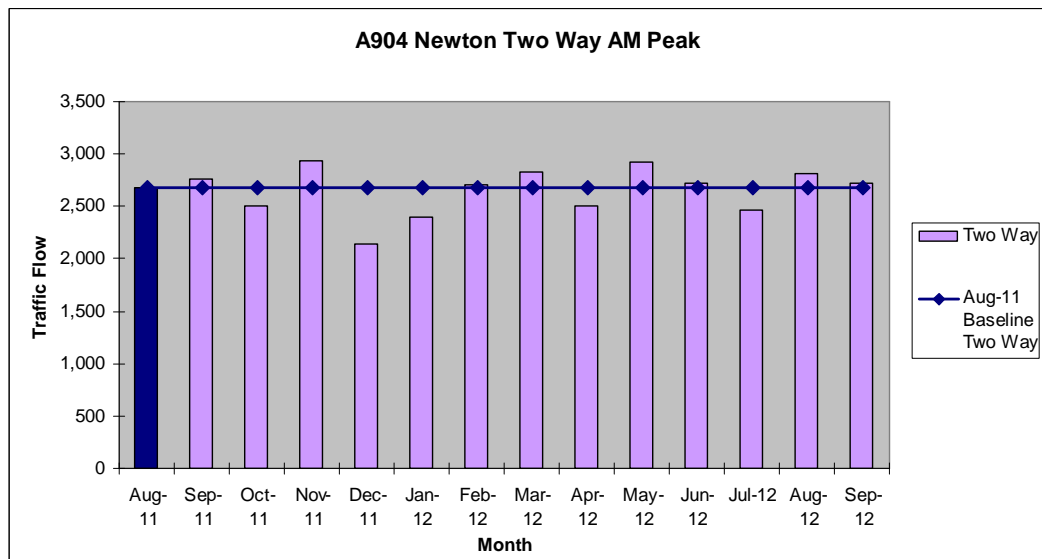


Figure 4-25 Monthly Two Way AM Peak Flows on the A904 East of Newton

4.2.3 Monthly Average PM Peak Traffic Flows

Table 4-10 Site: JTC00395 PM Peak Traffic Flows – August 2011 to September 2012

Counter	Location	Date	EB	WB	Two Way
JTC00395	A904 (East of Newton)	Aug-11	1,545	2,011	3,556
		Sep-11	1,504	1,960	3,463
		Oct-11	1,373	1,801	3,174
		Nov-11	1,413	1,918	3,331
		Dec-11	1,081	1,420	2,501
		Jan-12	1,277	1,734	3,011
		Feb-12	1,449	1,917	3,366
		Mar-12	1,554	1,991	3,545
		Apr-12	1,492	1,865	3,357
		May-12	1,585	2,067	3,652
		Jun-12	1,528	1,970	3,498
		Jul-12	1,499	1,874	3,372
		Aug-12	1,634	2,101	3,735
		Sep-12	1,571	2,011	3,582
		Annual Average			1,442

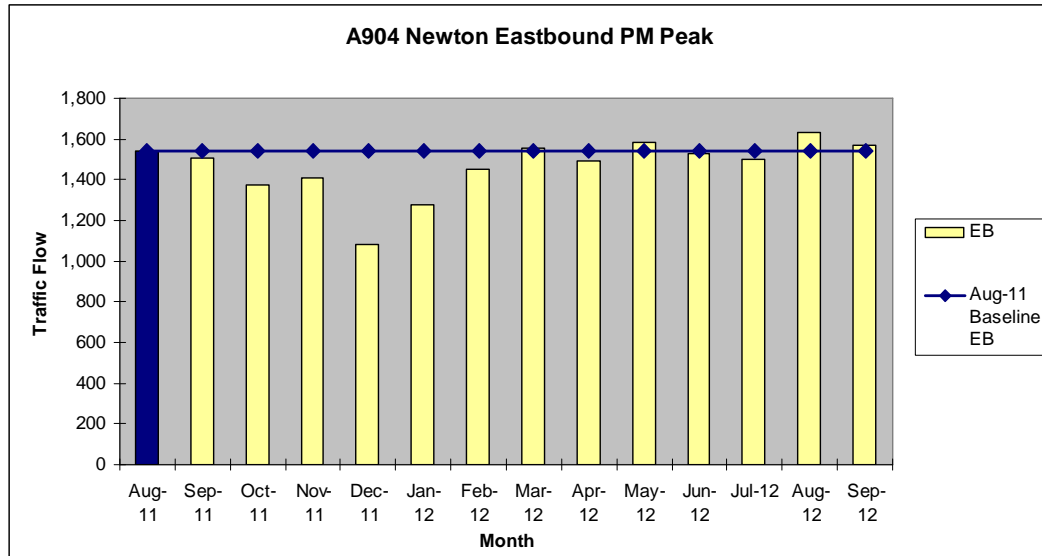


Figure 4-26 Monthly Eastbound PM Peak Flows on the A904 East of Newton

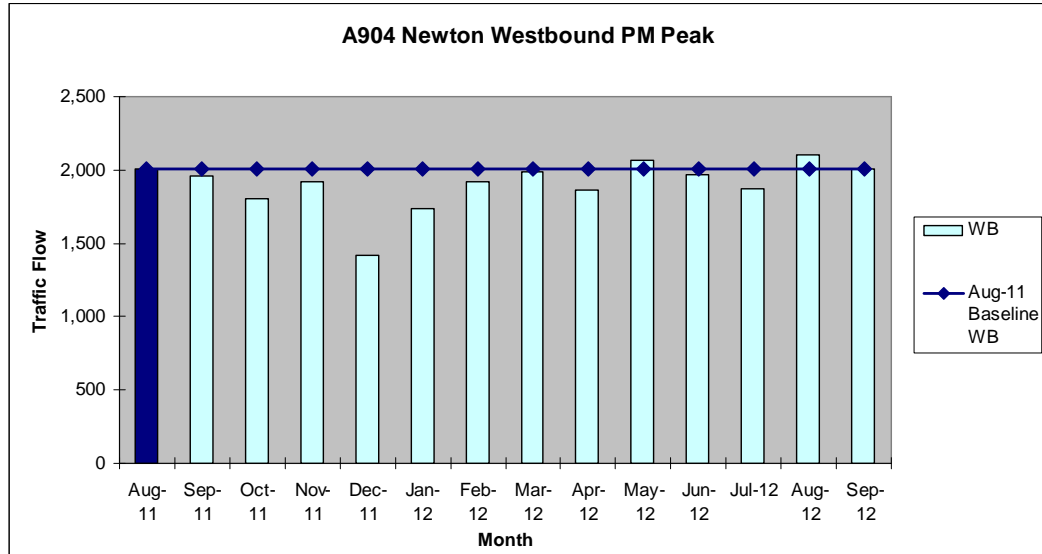


Figure 4-27 Monthly Westbound PM Peak Flows on the A904 East of Newton

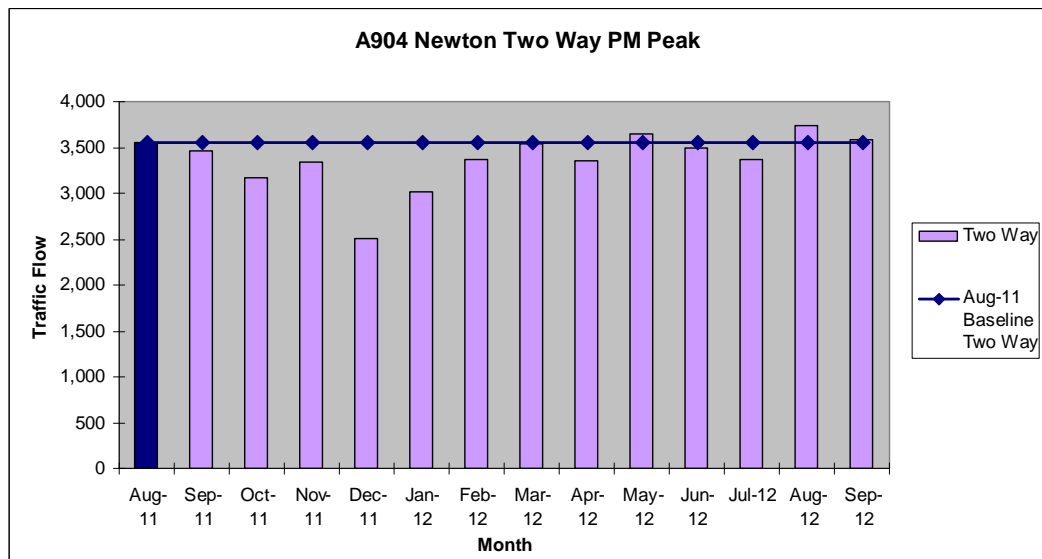


Figure 4-28 Monthly Two Way PM Peak Flows on the A904 East of Newton

4.2.4 Monthly Average HGV Flows

Table 4-11 Site: JTC00395 Annual HGV Traffic Flows – August 2011 to September 2012

Counter	Location	Date	EB	WB	Two Way
JTC00395	A904 (East of Newton)	Aug-11	253	228	481
		Sep-11	240	221	462
		Oct-11	225	205	430
		Nov-11	232	214	445
		Dec-11	171	162	332
		Jan-12	189	174	363
		Feb-12	219	203	422
		Mar-12	228	212	441
		Apr-12	227	210	437
		May-12	244	225	469
		Jun-12	228	215	443
		Jul-12	225	209	433
		Aug-12	250	241	491
		Sep-12	241	228	470
		Annual Average			223

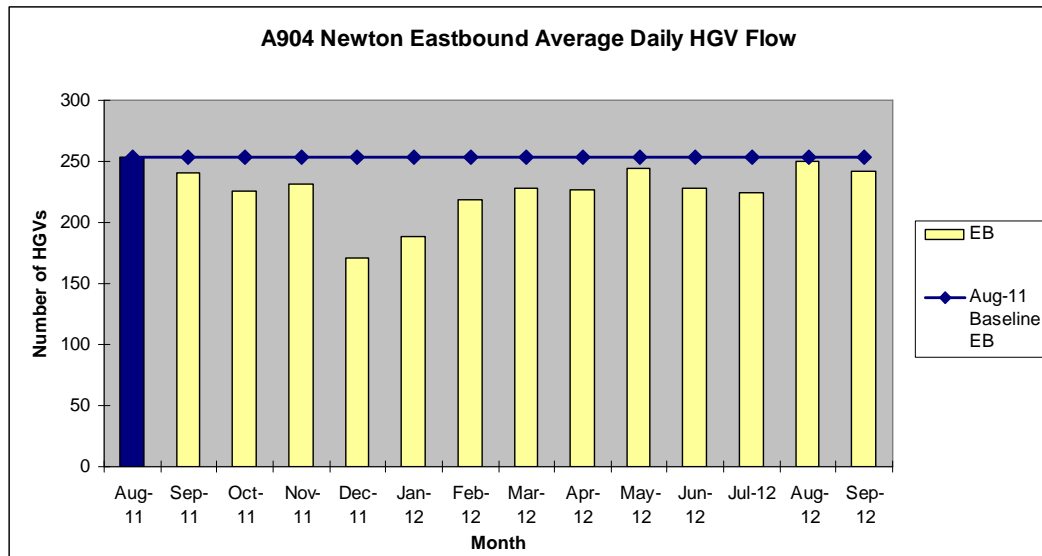


Figure 4-29 Monthly Eastbound HGV Flows on the A904 East of Newton

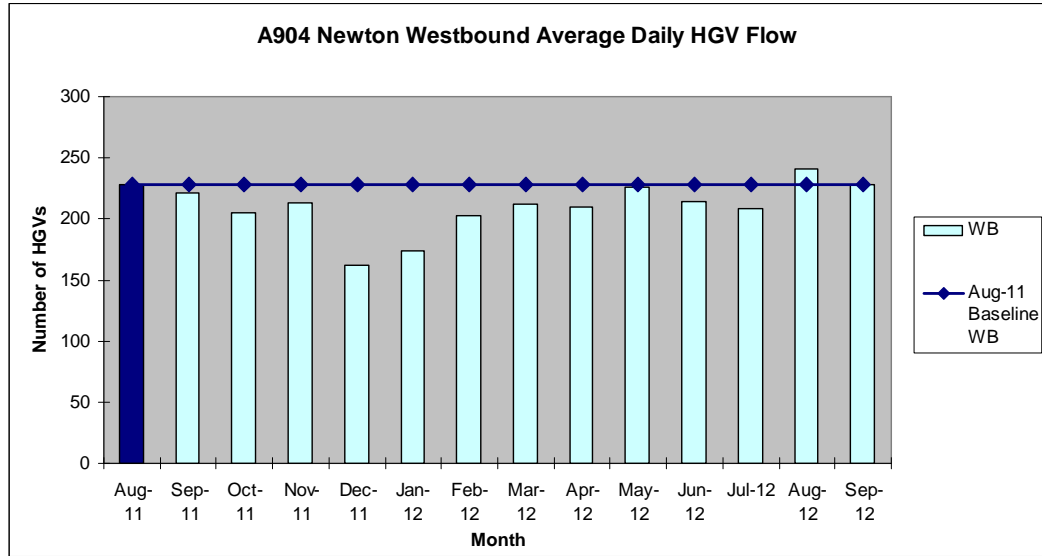


Figure 4-30 Monthly Westbound HGVS Flows on the A904 East of Newton

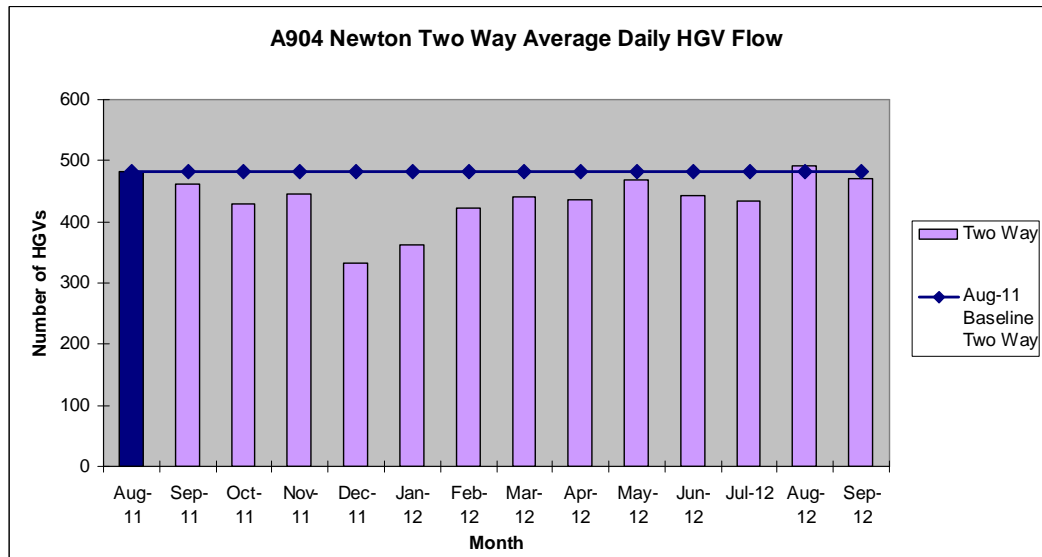


Figure 4-31 Monthly Two Way HGVS Flows on the A904 East of Newton

4.2.5 Monthly Average AM Peak HGV Flows

Table 4-12 Site: JTC00395 AM Peak HGV Traffic Flows – August 2011 to September 2012

Counter	Location	Date	EB	WB	Two Way
JTC00395	A904 (East of Newton)	Aug-11	64	41	105
		Sep-11	63	39	102
		Oct-11	59	34	92
		Nov-11	59	36	94
		Dec-11	44	29	72
		Jan-12	45	27	72
		Feb-12	53	32	85
		Mar-12	57	37	95
		Apr-12	55	35	90
		May-12	60	41	101
		Jun-12	54	40	94
		Jul-12	56	38	95
		Aug-12	61	41	102
		Sep-12	59	40	99
		Annual Average			56

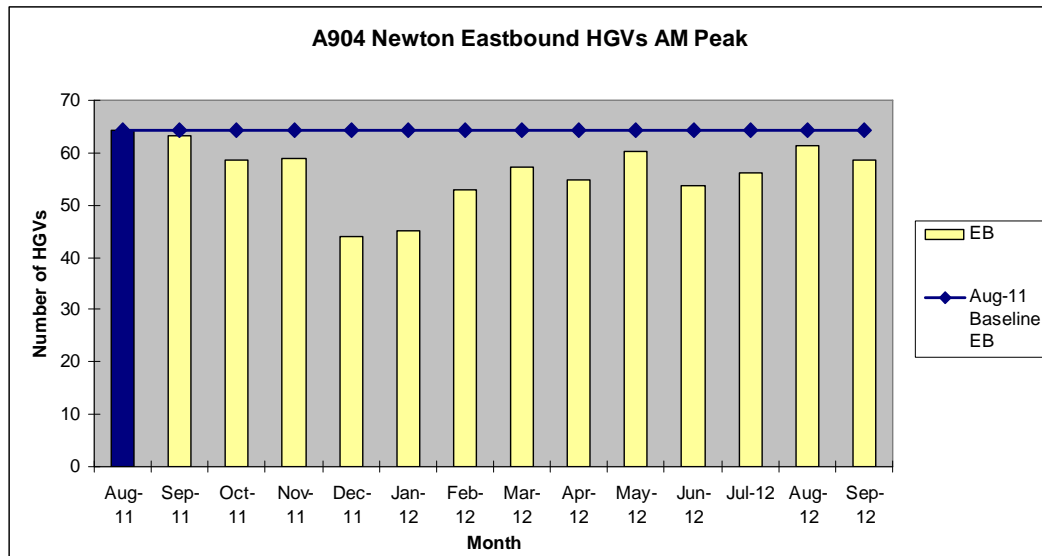


Figure 4-32 Monthly Eastbound AM Peak HGV Flows on the A904 East of Newton

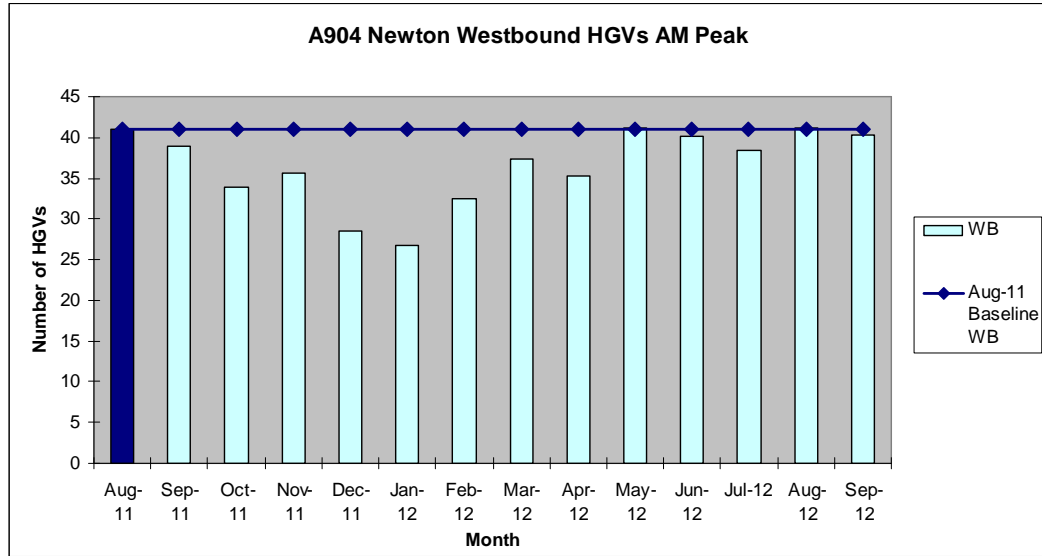


Figure 4-33 Monthly Westbound AM Peak HGV Flows on the A904 East of Newton

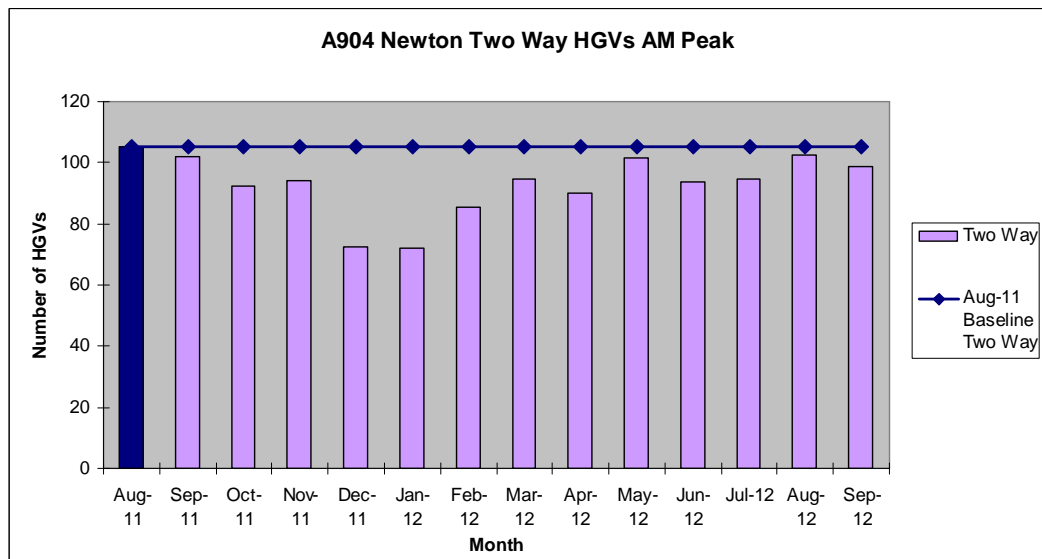


Figure 4-34 Monthly Two Way AM Peak HGV Flows on the A904 East of Newton

4.2.6 Monthly Average PM Peak HGV Flows

Table 4-13 Site: JTC00395 PM Peak HGV Traffic Flows – August 2011 to September 2012

Counter	Location	Date	EB	WB	Two Way
JTC00395	A904 (East of Newton)	Aug-11	28	39	68
		Sep-11	26	40	66
		Oct-11	22	36	58
		Nov-11	25	39	63
		Dec-11	17	25	41
		Jan-12	21	30	51
		Feb-12	24	32	55
		Mar-12	24	36	60
		Apr-12	25	34	58
		May-12	24	38	62
		Jun-12	25	36	61
		Jul-12	23	38	61
		Aug-12	27	45	73
		Sep-12	25	41	66
		Annual Average			24

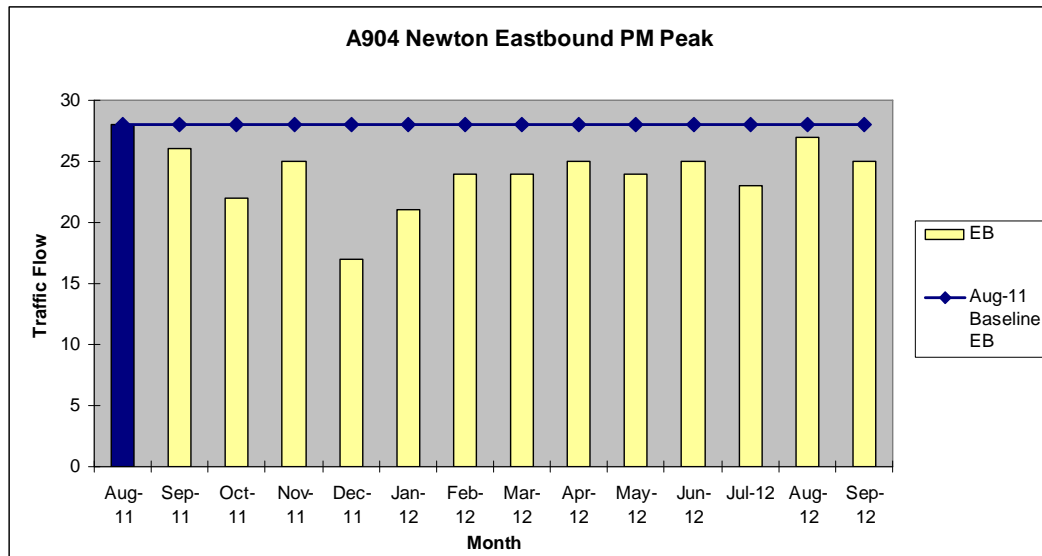


Figure 4-35 Monthly Eastbound PM HGV Peak Flows on the A904 East of Newton

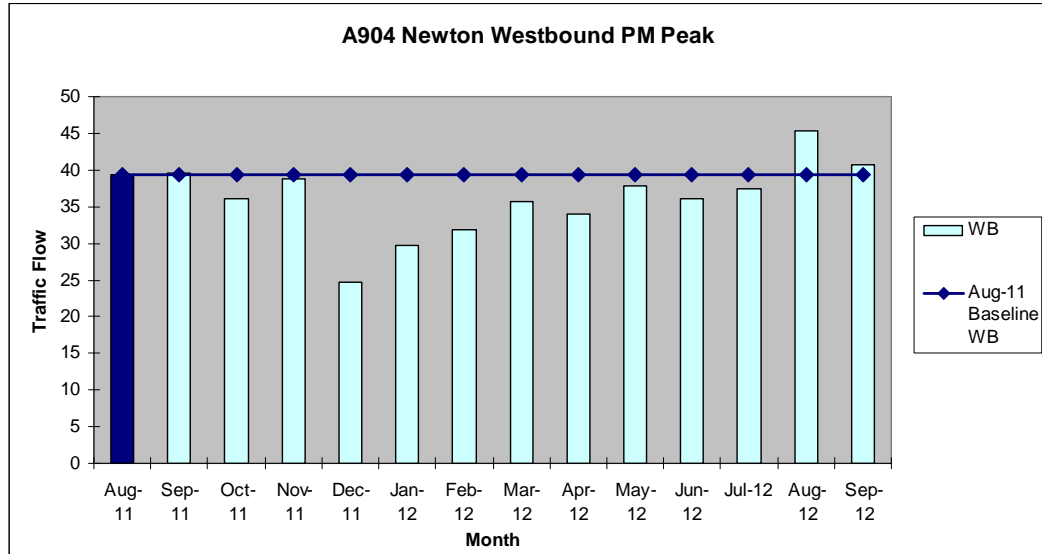


Figure 4-36 Monthly Westbound PM Peak HGV Flows on the A904 East of Newton

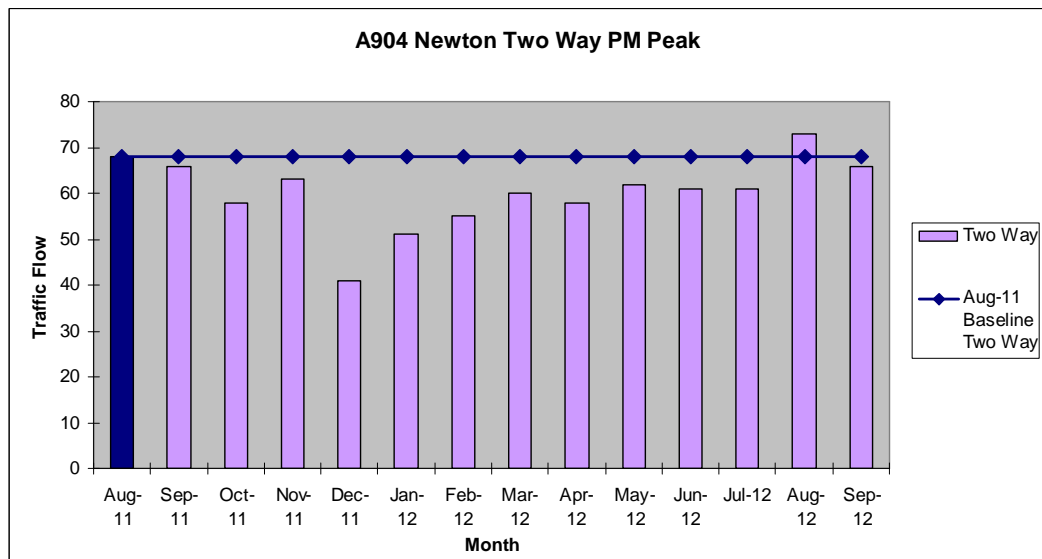


Figure 4-37 Monthly Two Way PM Peak HGV Flows on the A904 East of Newton

4.2.7 Monthly Average All Vehicles Traffic Speeds

Table 4-14 Site: JTC00395 Average Monthly Traffic Speeds (KPH) (All Vehicles) – August 2011 to September 2012

Counter	Location	Date	EB	WB
JTC00395	A904 (East of Newton)	Aug-11	63	61
		Sep-11	63	61
		Oct-11	63	61
		Nov-11	61	60
		Dec-11	61	59
		Jan-12	61	60
		Feb-12	61	60
		Mar-12	62	61
		Apr-12	62	61
		May-12	61	60
		Jun-12	62	60
		Jul-12	62	60
		Aug-12	62	60
Sep-12	62	60		

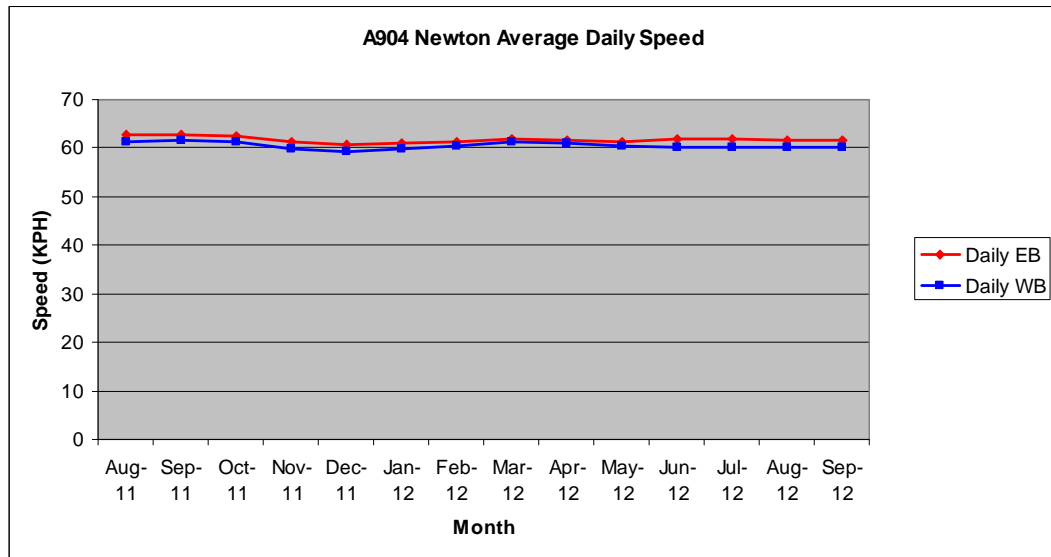


Figure 4-38 Average Monthly Traffic Speeds (KPH) on the A904 East of Newton

4.3 Traffic Counter JTC00507 – A876 Clackmannanshire Bridge (South)

4.3.1 Monthly Average Traffic Flows

Table 3-15 Site: JTC00507 Annual Traffic Flows – August 2011 to September 2012

Counter	Location	Date	NB	SB	Two Way
JTC00507	A876 Clackmannanshire Bridge (South)	Aug-11	7,998	7,990	15,988
		Sep-11	7,987	7,952	15,939
		Oct-11	7,882	7,907	15,790
		Nov-11	No Data	No Data	No Data
		Dec-11	No Data	No Data	No Data
		Jan-12	7,449	7,416	14,865
		Feb-12	7,927	7,948	15,875
		Mar-12	8,112	8,089	16,202
		Apr-12	8,122	8,705	16,827
		May-12	7,986	8,100	16,086
		Jun-12	7,978	8,145	16,123
		Jul-12	8,194	8,244	16,438
		Aug-12	8,495	8,467	16,962
		Sep-12	8,421	8,390	16,811
		Annual Average			7,963

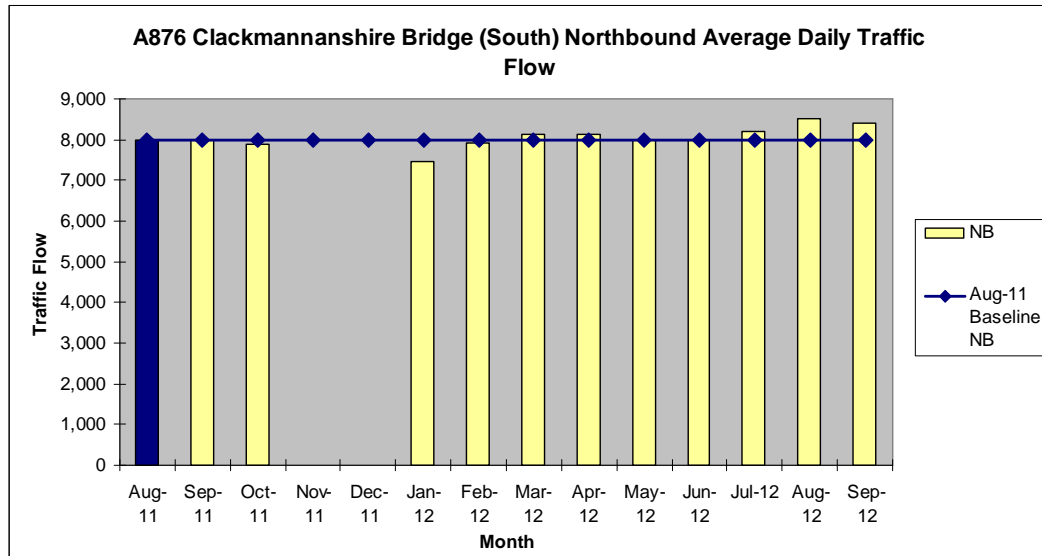


Figure 4-39 Monthly Northbound AADTs on the A876 Clackmannanshire Bridge (South)

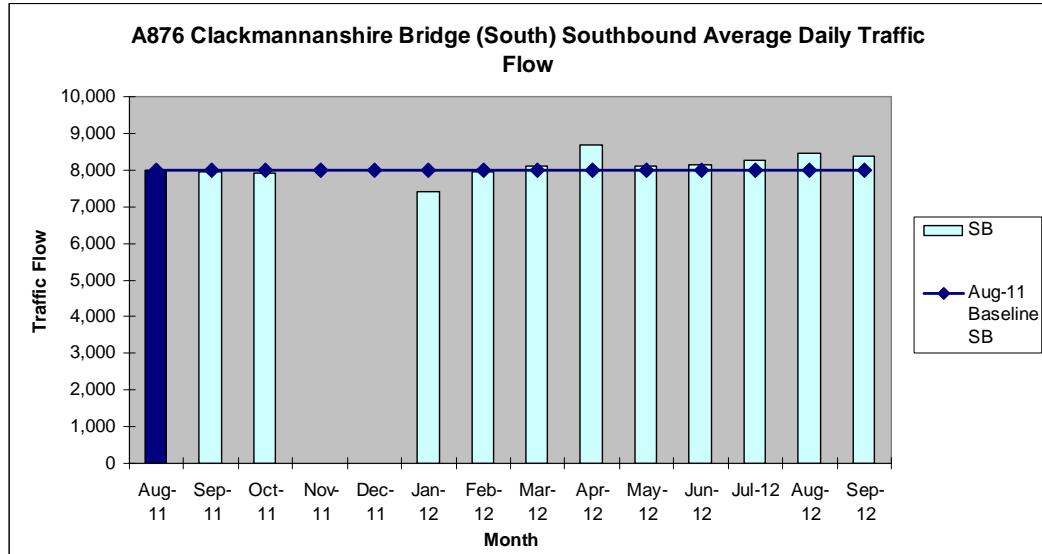


Figure 4-40 Monthly Southbound AADTs on the A876 Clackmannanshire Bridge (South)

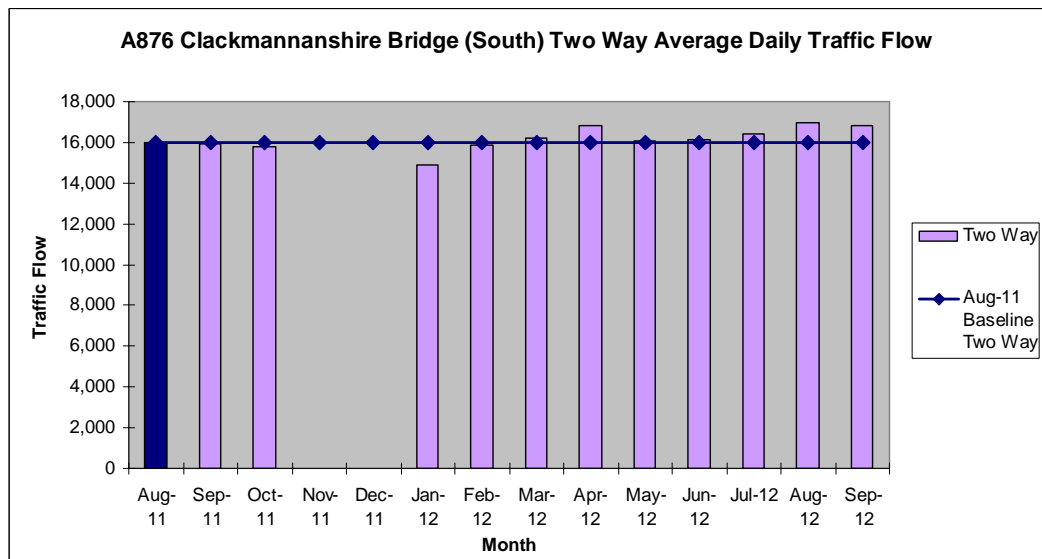


Figure 4-41 Monthly Two Way Daily Traffic Flows on the A876 Clackmannanshire Bridge (South)

4.3.2 Monthly Average AM Peak Traffic Flows

Table 4-16 Site: JTC00507 AM Peak Traffic Flows – August 2011 to September 2012

Counter	Location	Date	NB	SB	Two Way
JTC00507	A876 Clackmannanshire Bridge (South)	Aug-11	1,348	1,875	3,223
		Sep-11	1,422	1,955	3,377
		Oct-11	1,294	1,890	3,184
		Nov-11	No Data	No Data	No Data
		Dec-11	No Data	No Data	No Data
		Jan-12	1,291	1,881	3,171
		Feb-12	1,385	2,028	3,413
		Mar-12	1,436	2,019	3,455
		Apr-12	1,428	2,097	3,525
		May-12	1,411	2,016	3,427
		Jun-12	1,475	2,075	3,550
		Jul-12	1,305	1,787	3,092
		Aug-12	1,446	1,963	3,408
		Sep-12	1,475	1,936	3,411
	Annual Average		1,380	1,962	3,342

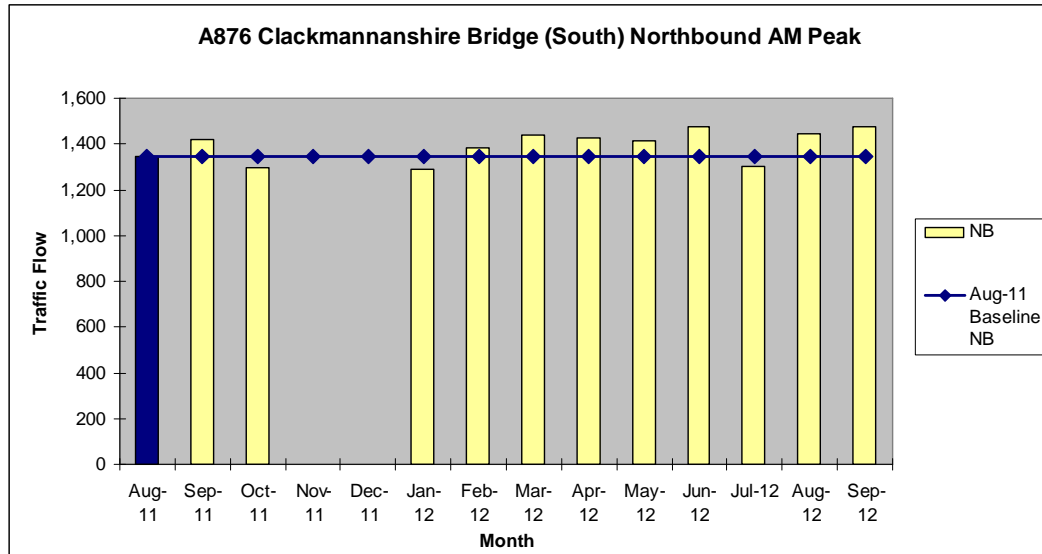


Figure 4-42 Monthly Northbound AM Peak Flows on the A876 Clackmannanshire Bridge (South)

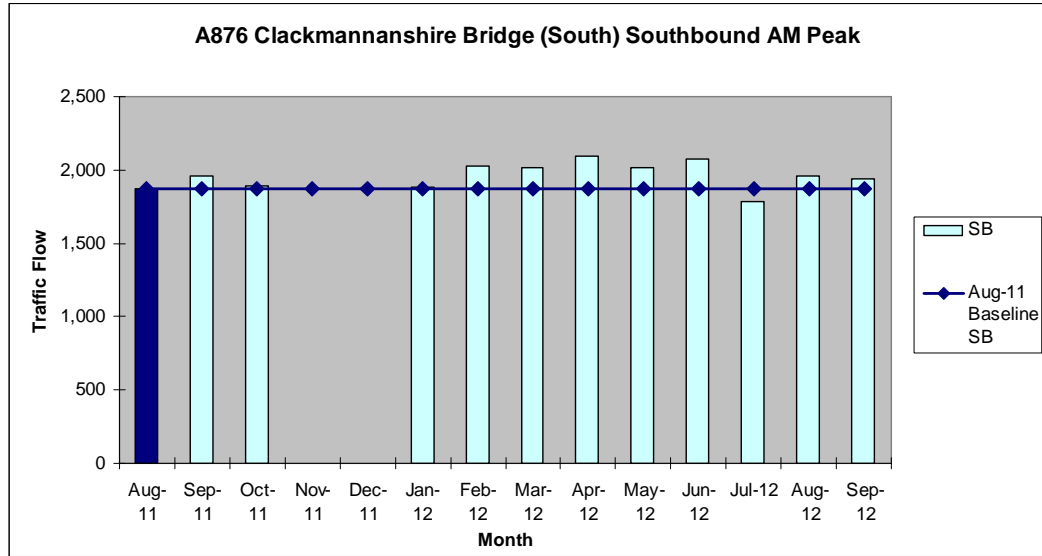


Figure 4-43 Monthly Southbound AM Peak Flows on the A876 Clackmannanshire Bridge (South)

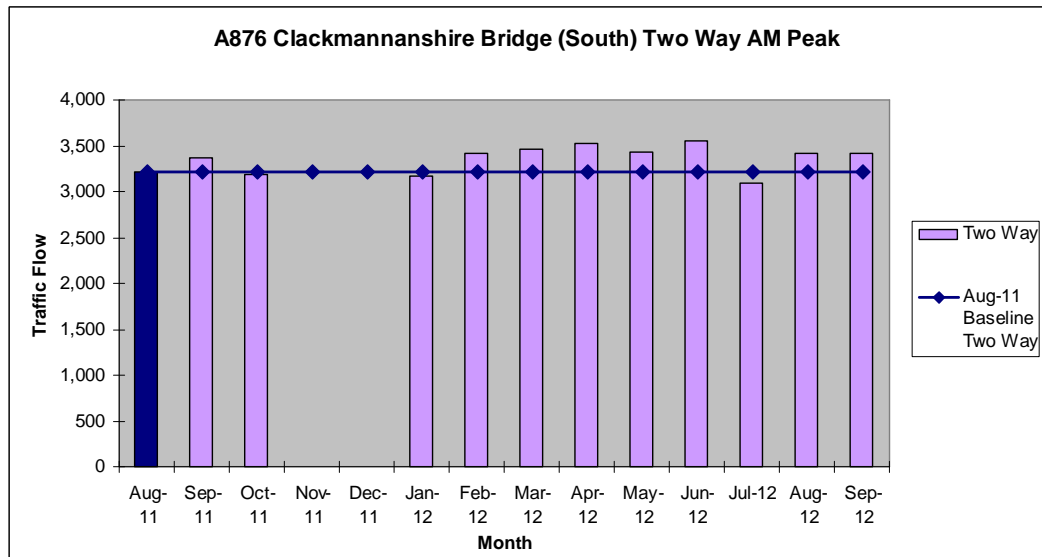


Figure 4-44 Monthly Two Way AM Peak Flows on the A876 Clackmannanshire Bridge (South)

4.3.3 Monthly Average PM Peak Traffic Flows

Table 4-17 Site: JTC00507 PM Peak Traffic Flows – August 2011 to September 2012

Counter	Location	Date	NB	SB	Two Way
JTC00507	A876 Clackmannanshire Bridge (South)	Aug-11	2,228	1,717	3,944
		Sep-11	2,229	1,718	3,947
		Oct-11	2,218	1,662	3,880
		Nov-11	No Data	No Data	No Data
		Dec-11	No Data	No Data	No Data
		Jan-12	2,155	1,555	3,710
		Feb-12	2,254	1,650	3,904
		Mar-12	2,220	1,698	3,919
		Apr-12	2,192	1,855	4,048
		May-12	2,149	1,672	3,821
		Jun-12	2,029	1,643	3,672
		Jul-12	2,163	1,677	3,840
		Aug-12	2,314	1,845	4,158
		Sep-12	2,255	1,838	4,093
		Annual Average	2,184	1,685	3,868

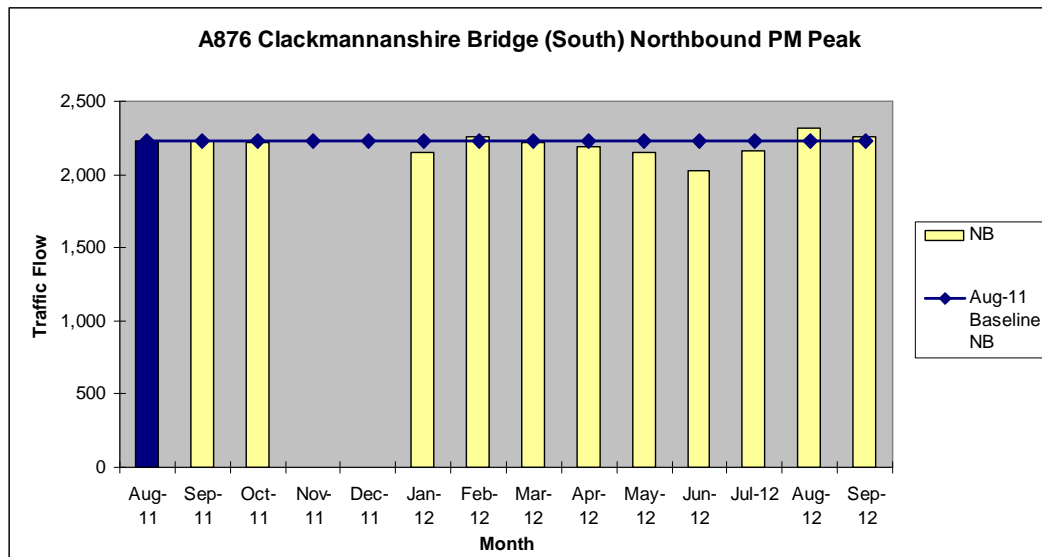


Figure 4-45 Monthly Northbound PM Peak Flows on the A876 Clackmannanshire Bridge (South)

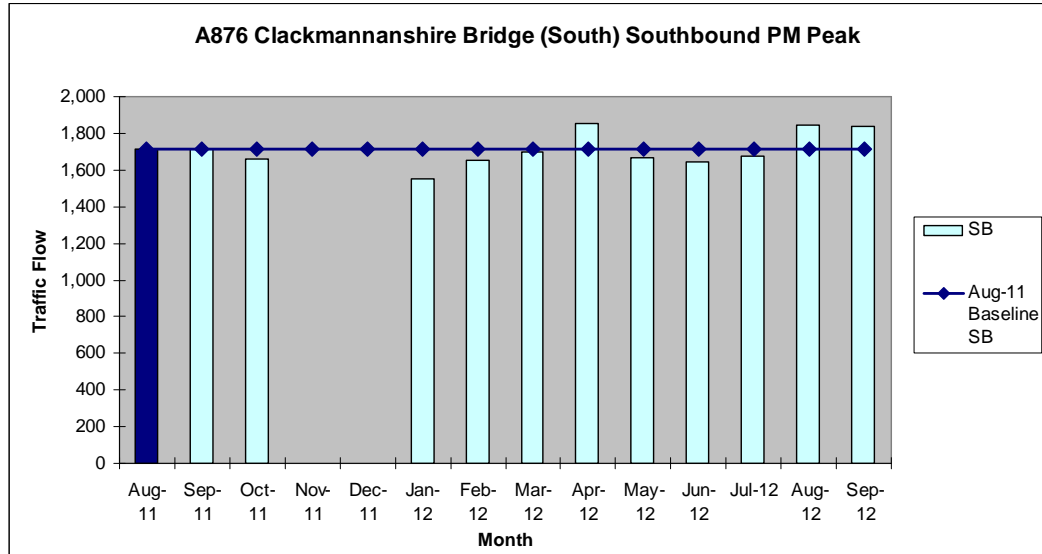


Figure 4-46 Monthly Southbound PM Peak Flows on the A876 Clackmannanshire Bridge (South)

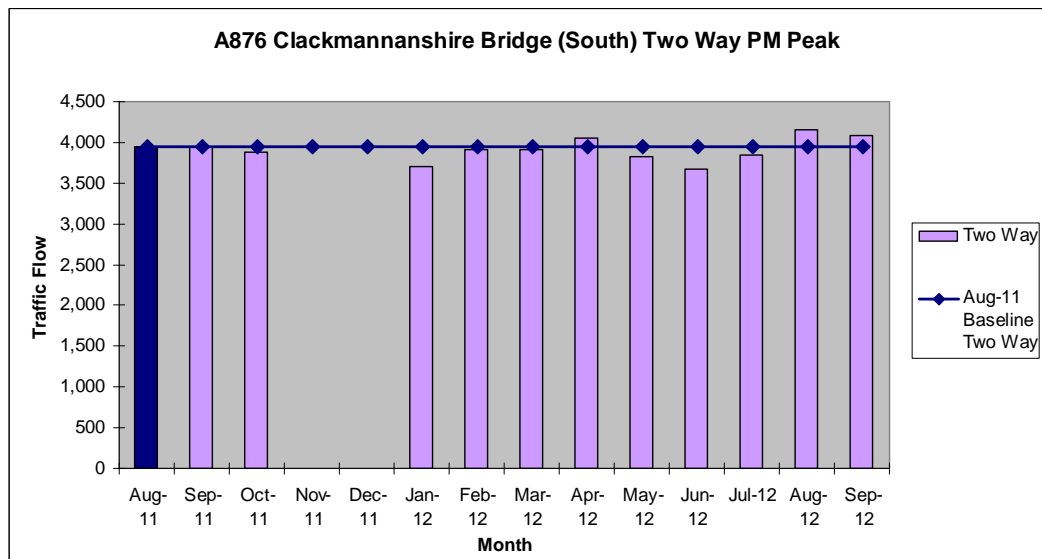


Figure 4-47 Monthly Two Way PM Peak Flows on the A876 Clackmannanshire Bridge (South)

4.3.4 Monthly Average HGV Flows

Table 4-18 Site: JTC00507 Annual HGV Traffic Flows – August 2011 to September 2012

Counter	Location	Date	NB	SB	Two Way
JTC00507	A876 Clackmannanshire Bridge (South)	Aug-11	293	293	585
		Sep-11	325	331	655
		Oct-11	332	335	667
		Nov-11	No Data	No Data	No Data
		Dec-11	No Data	No Data	No Data
		Jan-12	328	324	652
		Feb-12	344	349	693
		Mar-12	341	349	690
		Apr-12	336	384	720
		May-12	371	384	756
		Jun-12	372	387	759
		Jul-12	390	403	793
		Aug-12	372	372	744
		Sep-12	356	366	722
	Annual Average		343	354	697

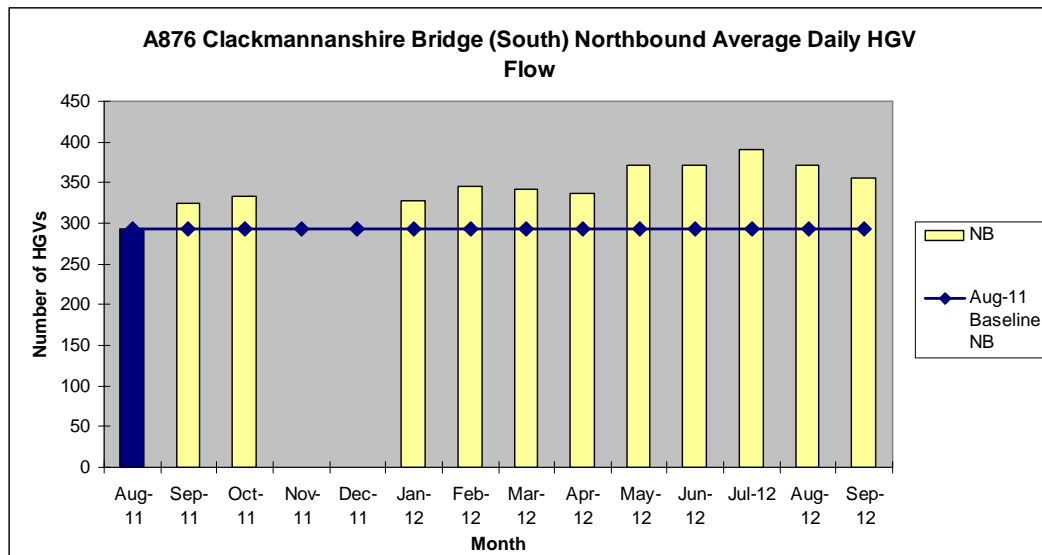


Figure 4-48 Monthly Northbound HGV Flows on the A876 Clackmannanshire Bridge (South)

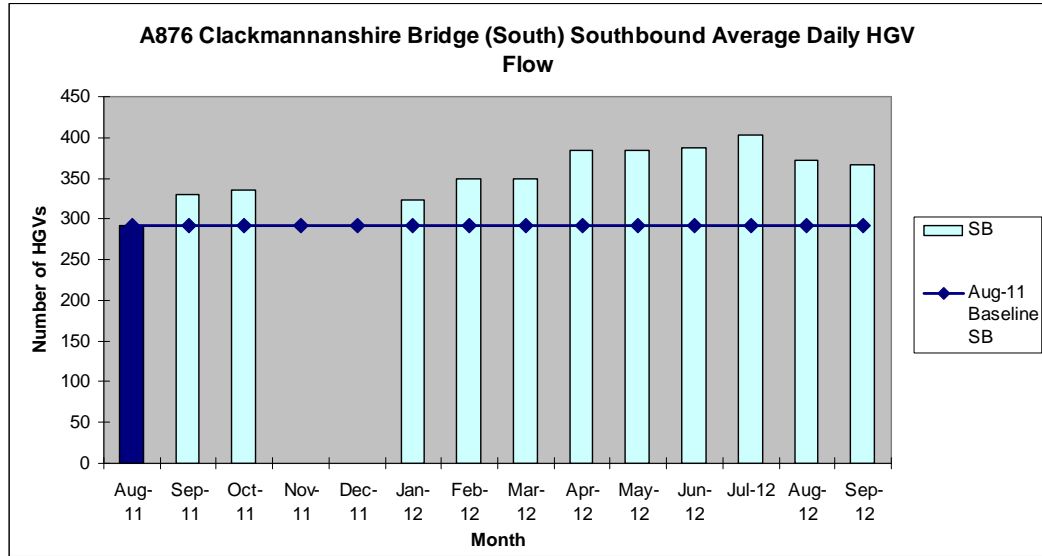


Figure 4-49 Monthly Southbound HGVS Flows on the A876 Clackmannanshire Bridge (South)

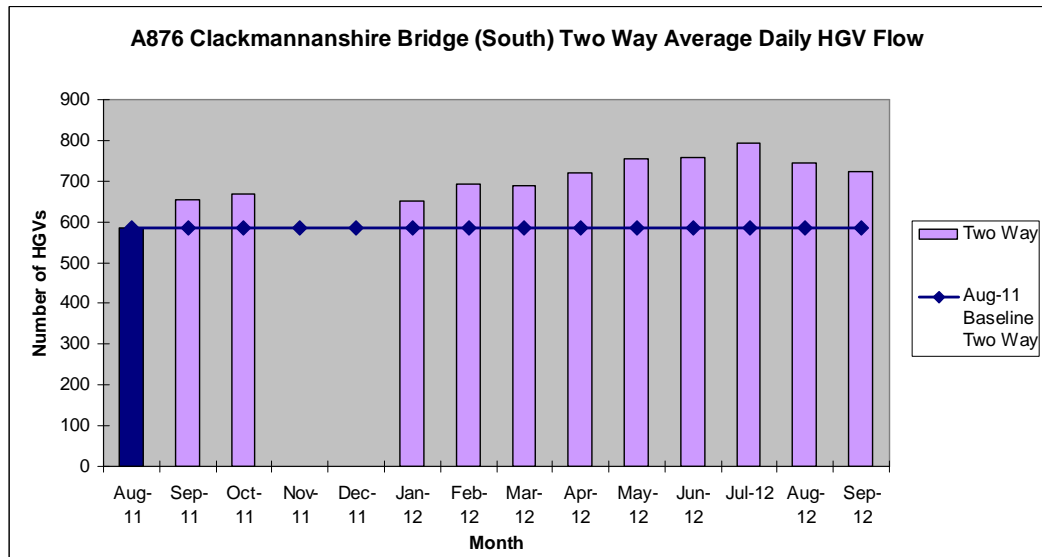


Figure 4-50 Monthly Two Way HGVS Flows on the A876 Clackmannanshire Bridge (South)

4.3.5 Monthly Average AM Peak HGV Flows

Table 4-19 Site: JTC00507 AM Peak HGV Traffic Flows – August 2011 to September 2012

Counter	Location	Date	NB	SB	Two Way
JTC00507	A876 Clackmannanshire Bridge (South)	Aug-11	52	52	104
		Sep-11	61	53	114
		Oct-11	64	59	122
		Nov-11	No Data	No Data	No Data
		Dec-11	No Data	No Data	No Data
		Jan-12	69	56	125
		Feb-12	67	61	127
		Mar-12	66	63	129
		Apr-12	68	76	144
		May-12	73	70	143
		Jun-12	80	76	156
		Jul-12	84	70	154
		Aug-12	73	67	140
		Sep-12	72	64	136
		Annual Average	68	63	132

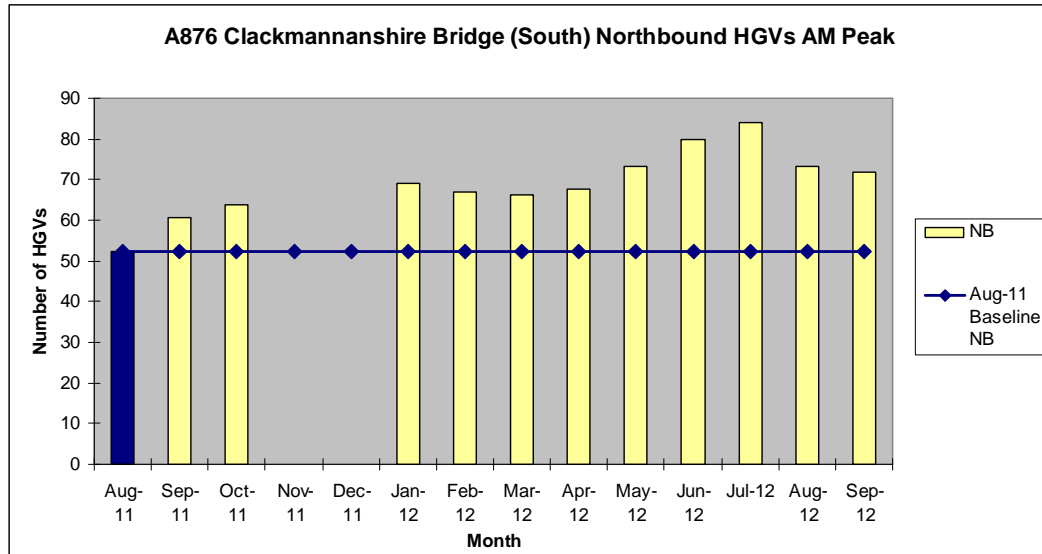


Figure 4-51 Monthly Northbound AM Peak HGV Flows on the A876 Clackmannanshire Bridge (South)

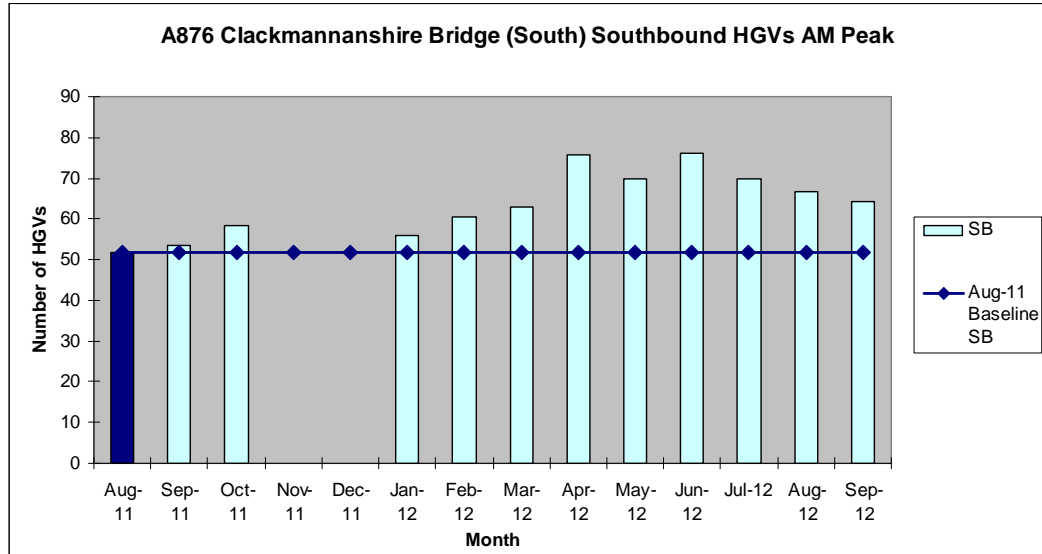


Figure 4-52 Monthly Southbound AM Peak HGV Flows on the A876 Clackmannanshire Bridge (South)

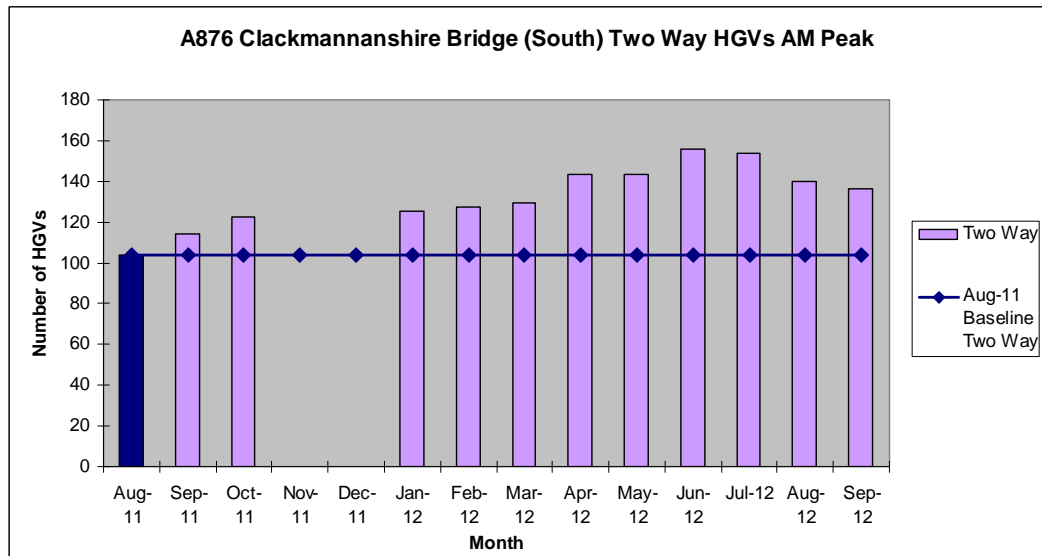


Figure 4-53 Monthly Two Way AM Peak HGV Flows on the A876 Clackmannanshire Bridge (South)

4.3.6 Monthly Average PM Peak HGV Flows

Table 4-20 Site: JTC00507 PM Peak HGV Traffic Flows – August 2011 to September 2012

Counter	Location	Date	NB	SB	Two Way
JTC00507	A876 Clackmannanshire Bridge (South)	Aug-11	41	35	76
		Sep-11	45	43	88
		Oct-11	44	44	88
		Nov-11	No Data	No Data	No Data
		Dec-11	No Data	No Data	No Data
		Jan-12	41	43	84
		Feb-12	42	46	89
		Mar-12	43	49	92
		Apr-12	45	53	98
		May-12	45	54	99
		Jun-12	44	52	95
		Jul-12	45	57	102
		Aug-12	47	53	100
		Sep-12	47	53	100
		Annual Average	44	48	91

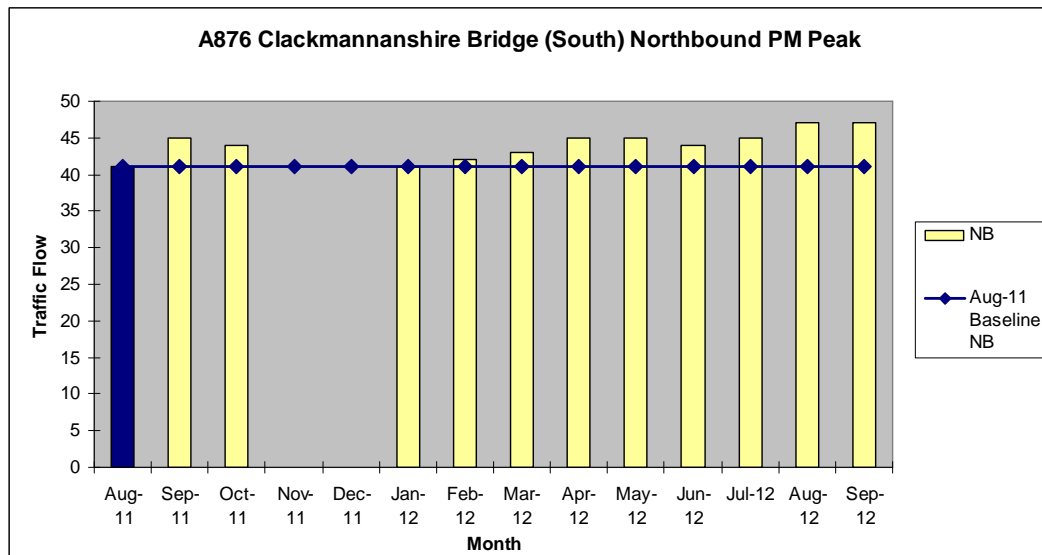


Figure 4-54 Monthly Northbound PM HGV Peak Flows on the A876 Clackmannanshire Bridge (South)

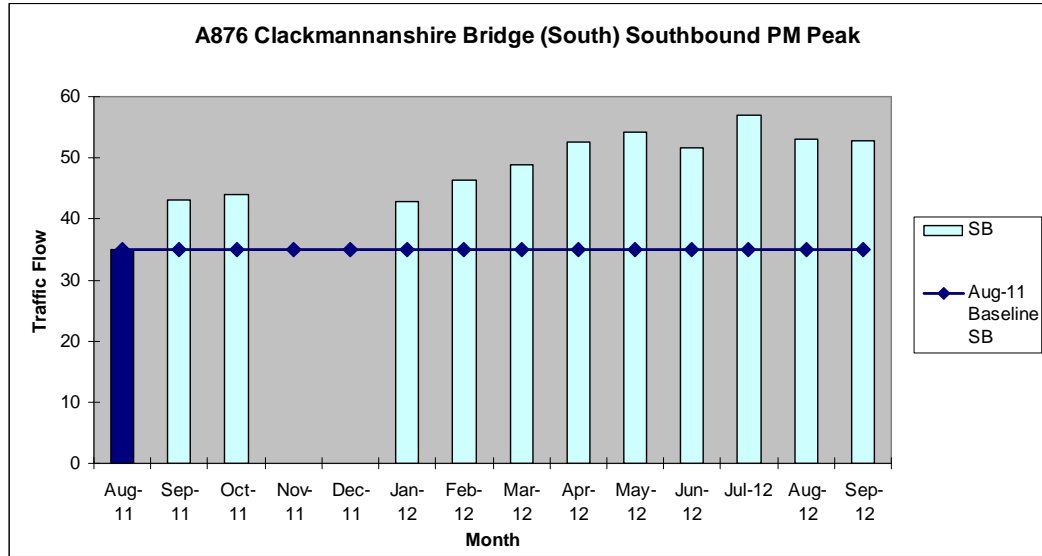


Figure 4-55 Monthly Southbound PM Peak HGV Flows on the A876 Clackmannanshire Bridge (South)

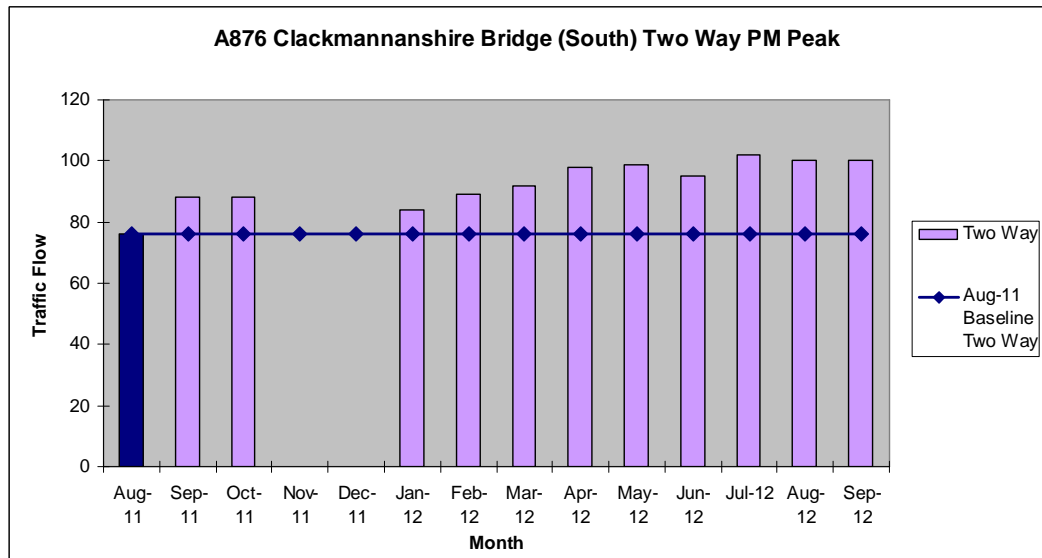


Figure 4-56 Monthly Two Way PM Peak HGV Flows on the A876 Clackmannanshire Bridge (South)

4.3.7 Monthly Average All Vehicles Traffic Speeds

Table 4-21 Site: JTC00507 Average Monthly Traffic Speeds (KPH) (All Vehicles) – August 2011 to September 2012

Counter	Location	Date	NB	SB
JTC00507	A876 Clackmannanshire Bridge (South)	Aug-11	77	85
		Sep-11	76	84
		Oct-11	77	84
		Nov-11	No Data	No Data
		Dec-11	No Data	No Data
		Jan-12	71	81
		Feb-12	75	83
		Mar-12	77	83
		Apr-12	77	83
		May-12	77	85
		Jun-12	77	85
		Jul-12	77	85
		Sep-12	77	84

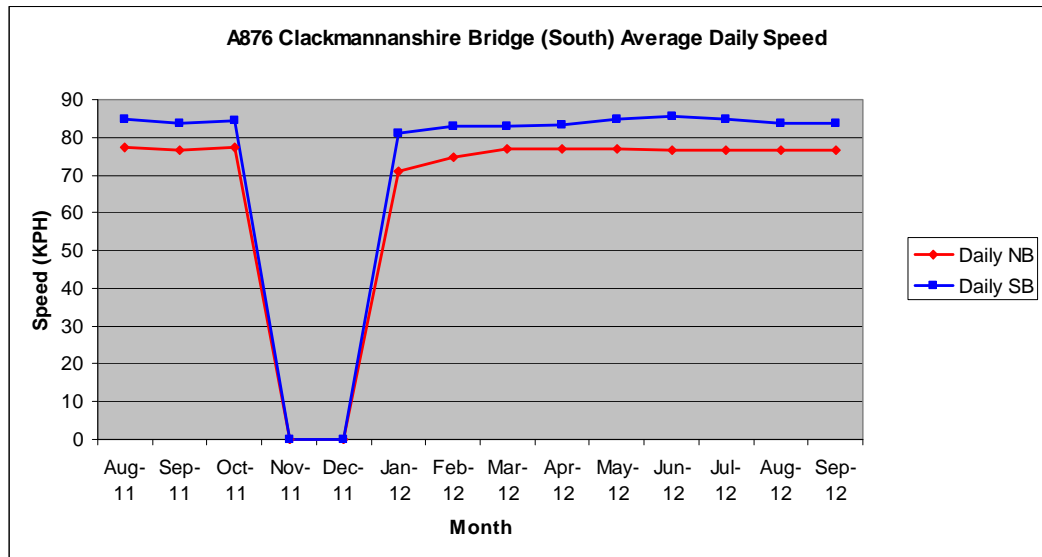


Figure 4-57 Average Monthly Traffic Speeds (KPH) on the A876 Clackmannanshire Bridge (South)

4.4 Traffic Counter JTC00573 – A91

4.4.1 Monthly Average Traffic Flows

Table 3-22 Site: JTC00573 Annual Traffic Flows – August 2011 to September 2012

Counter	Location	Date	NB	SB	Two Way		
JTC00573	A91	Aug-11	12,351	12,272	24,623		
		Sep-11	12,268	12,189	24,457		
		Oct-11	11,937	11,819	23,756		
		Nov-11	12,420	12,255	24,675		
		Dec-11	11,337	11,223	22,560		
		Jan-12	10,550	10,467	21,017		
		Feb-12	11,819	11,710	23,529		
		Mar-12	12,436	12,340	24,776		
		Apr-12	11,899	11,793	23,692		
		May-12	11,624	11,644	23,268		
		Jun-12	11,676	11,658	23,334		
		Jul-12	11,518	11,382	22,900		
		Aug-12	12,110	11,993	24,104		
		Sep-12	11,959	11,897	23,856		
		Annual Average			11,819	11,729	23,549

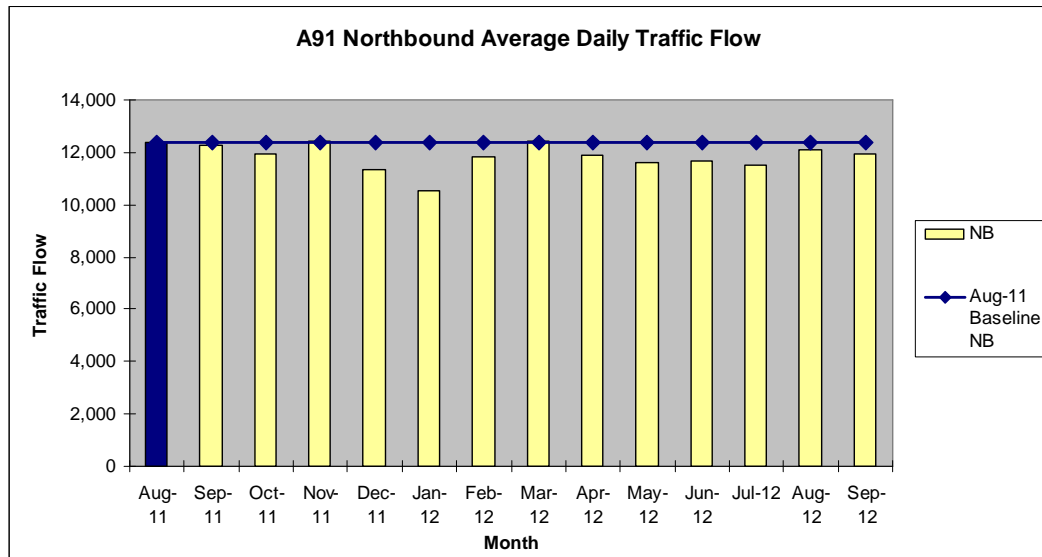


Figure 4-58 Monthly Northbound AADTs on the A91

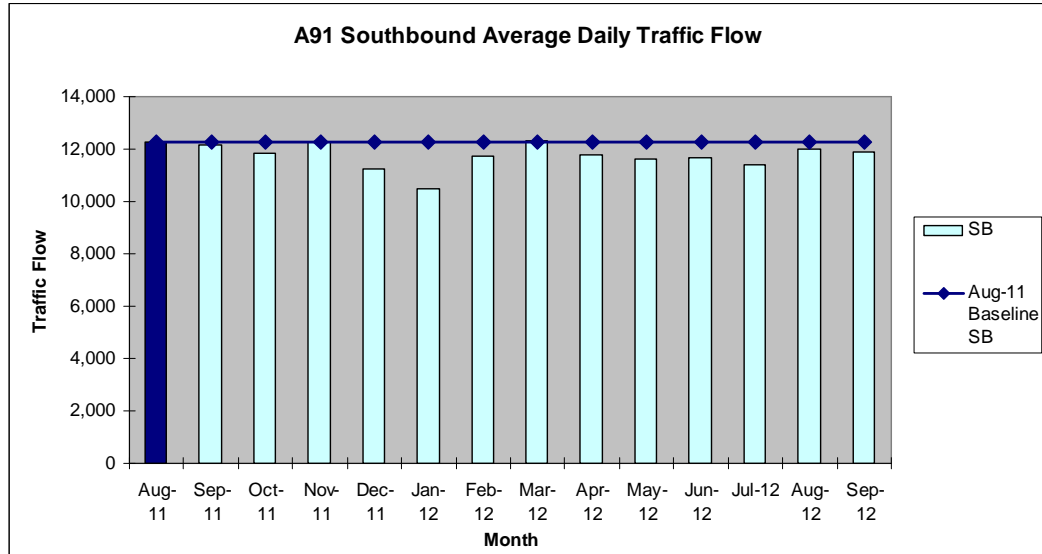


Figure 4-59 Monthly Southbound AADTs on the A91

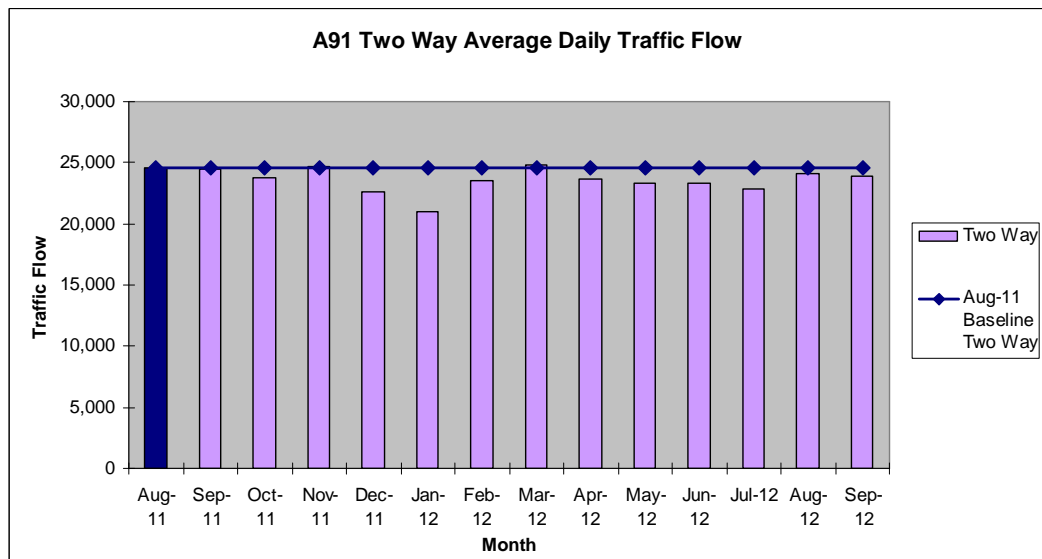


Figure 4-60 Monthly Two Way Daily Traffic Flows on the A91

4.4.2 Monthly Average AM Peak Traffic Flows

Table 4-23 Site: JTC00573 AM Peak Traffic Flows – August 2011 to September 2012

Counter	Location	Date	NB	SB	Two Way
JTC00573	A91	Aug-11	1,566	2,616	4,182
		Sep-11	1,718	2,770	4,488
		Oct-11	1562	2,516	4,077
		Nov-11	1,287	2,312	3,599
		Dec-11	989	1,857	2,846
		Jan-12	1,032	1,887	2,920
		Feb-12	1,231	2,217	3,447
		Mar-12	1,409	2,437	3,846
		Apr-12	1,553	2,463	4,016
		May-12	1,650	2,585	4,235
		Jun-12	1,587	2,520	4,107
		Jul-12	1,432	2,343	3,775
		Aug-12	1,626	2,573	4,199
		Sep-12	1,696	2,568	4,264
		Annual Average			1,418

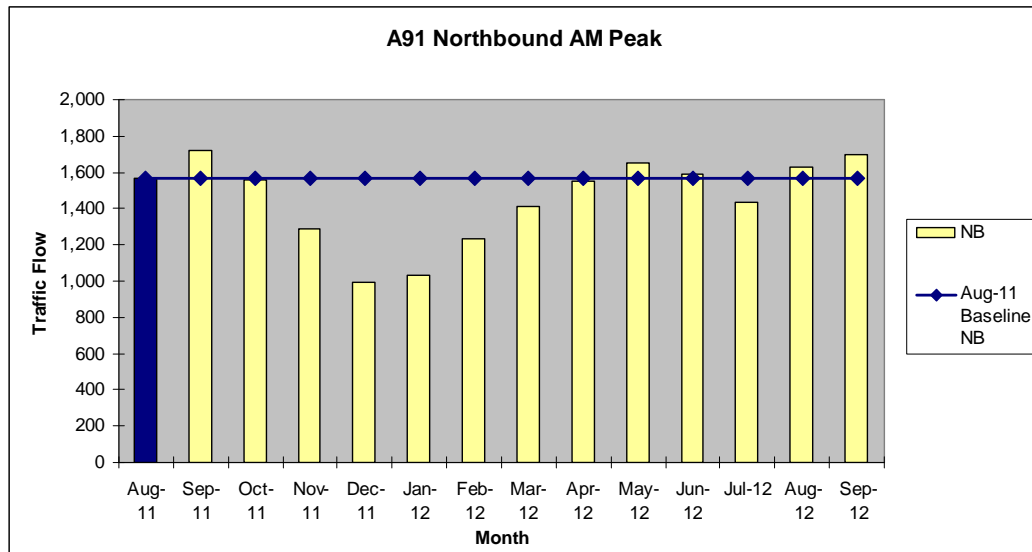


Figure 4-61 Monthly Northbound AM Peak Flows on the A91

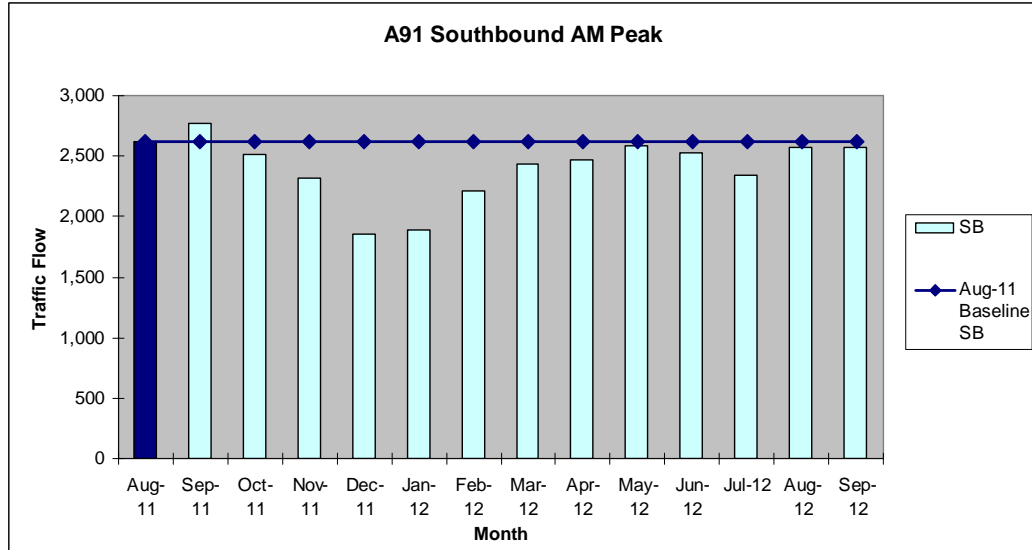


Figure 4-62 Monthly Southbound AM Peak Flows on the A91

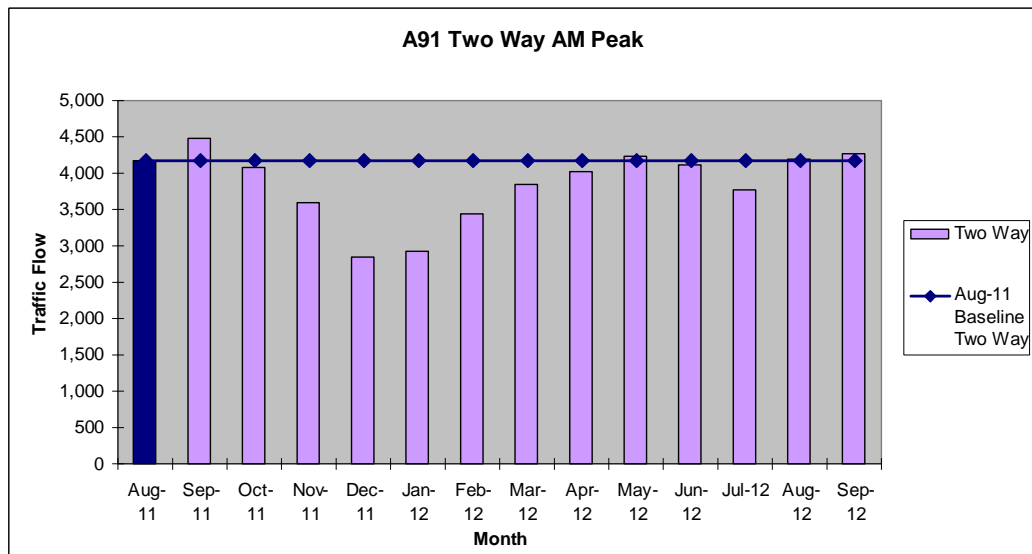


Figure 4-63 Monthly Two Way AM Peak Flows on the A91

4.4.3 Monthly Average PM Peak Traffic Flows

Table 4-24 Site: JTC00573 PM Peak Traffic Flows – August 2011 to September 2012

Counter	Location	Date	NB	SB	Two Way
JTC00573	A91	Aug-11	3,373	2,416	3,373
		Sep-11	3,318	2,444	3,318
		Oct-11	3,241	2,321	3,241
		Nov-11	3,565	2,634	3,565
		Dec-11	3,175	2,267	3,175
		Jan-12	3,108	2,288	3,108
		Feb-12	3,408	2,562	3,408
		Mar-12	3,488	2,670	3,488
		Apr-12	3,148	2,316	3,148
		May-12	3,128	2,361	3,128
		Jun-12	3,080	2,280	3,080
		Jul-12	3,117	2,224	3,117
		Aug-12	3,242	2,391	5,633
		Sep-12	3,153	2,386	5,538
		Annual Average	3,262	2,398	3,262

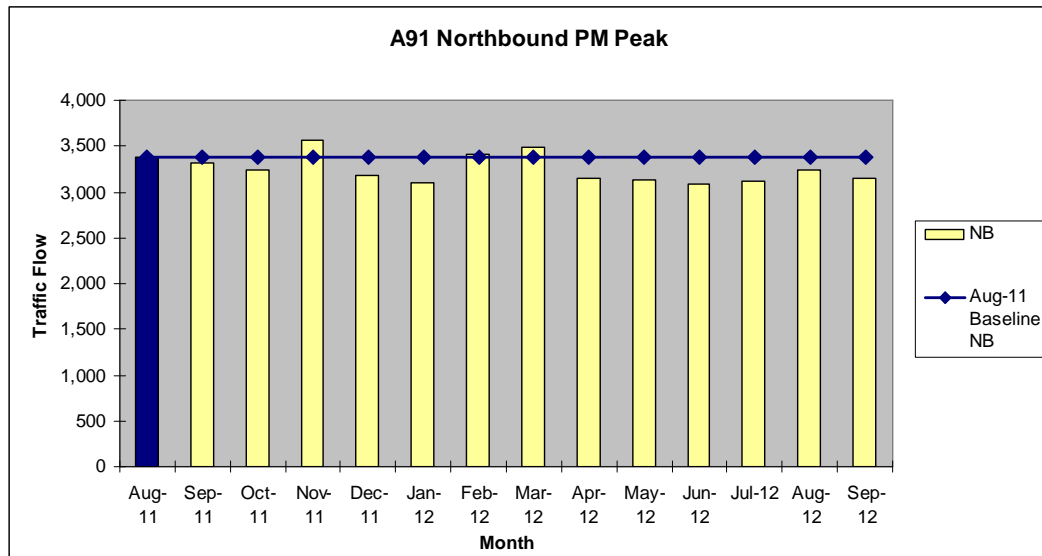


Figure 4-64 Monthly Northbound PM Peak Flows on the A91

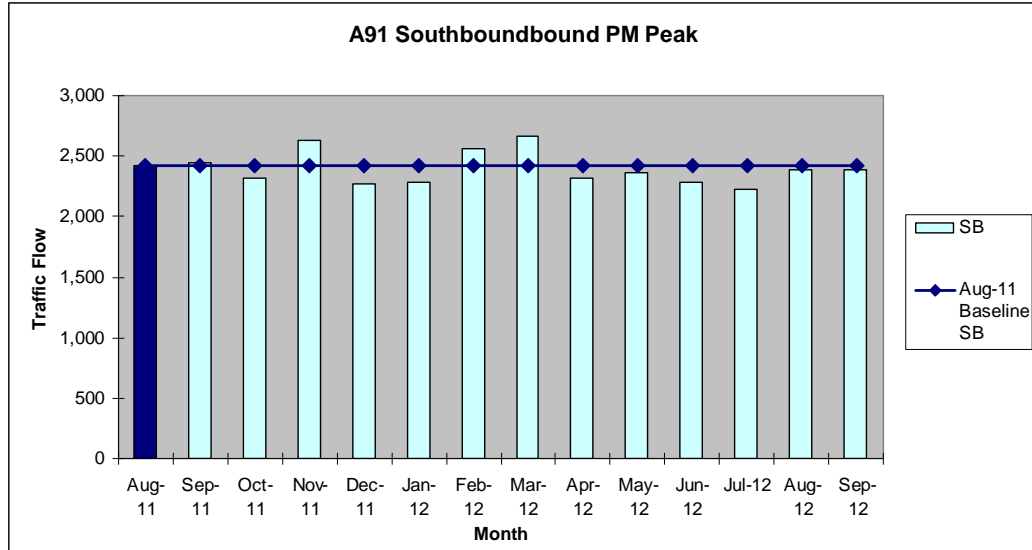


Figure 4-65 Monthly Southbound PM Peak Flows on the A91

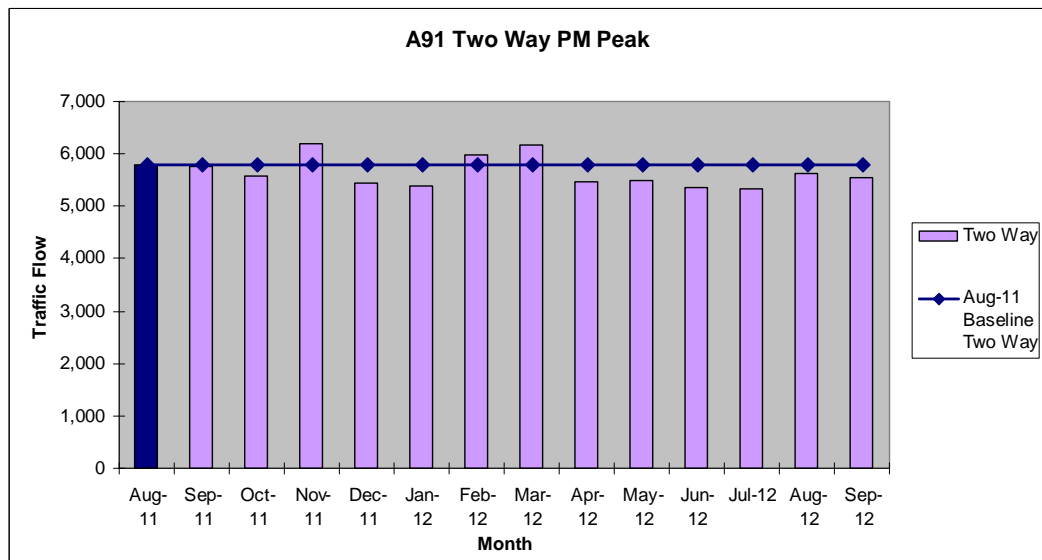


Figure 4-66 Monthly Two Way PM Peak Flows on the A91

4.4.4 Monthly Average HGV Flows

Table 4-25 Site: JTC00573 Annual HGV Traffic Flows – August 2011 to September 2012

Counter	Location	Date	NB	SB	Two Way
JTC00573	A91	Aug-11	161	160	321
		Sep-11	171	172	343
		Oct-11	159	160	320
		Nov-11	177	174	351
		Dec-11	140	142	283
		Jan-12	146	148	294
		Feb-12	161	157	318
		Mar-12	172	170	342
		Apr-12	155	159	315
		May-12	161	161	322
		Jun-12	162	161	322
		Jul-12	167	169	337
		Aug-12	164	166	331
		Sep-12	155	160	314
		Annual Average			161

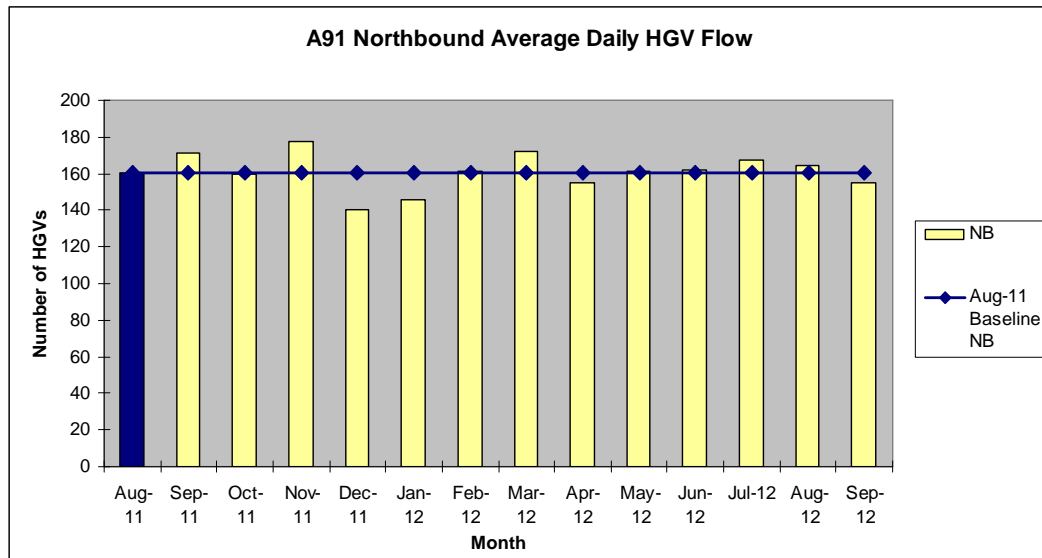


Figure 4-67 Monthly Northbound HGV Flows on the A91

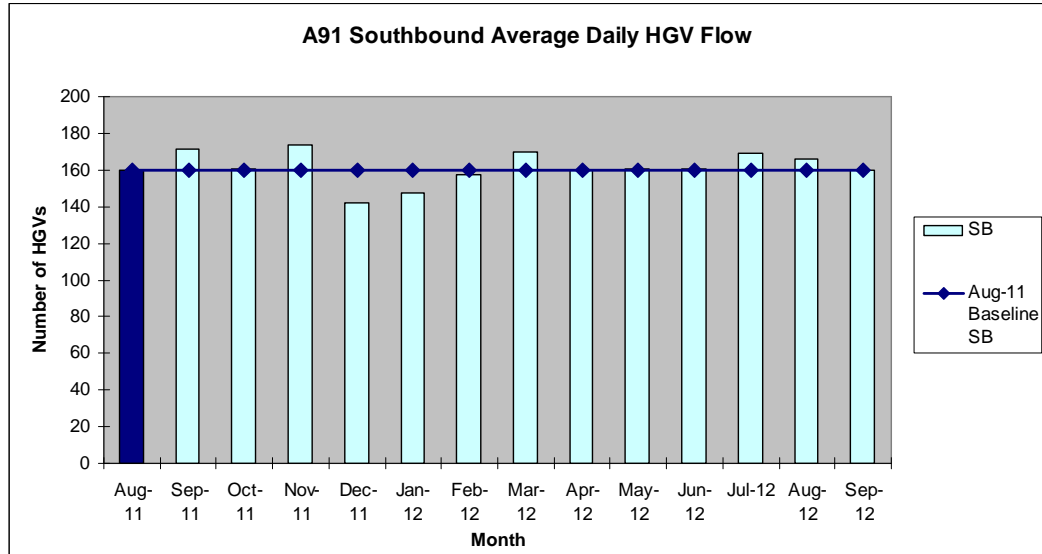


Figure 4-68 Monthly Southbound HGVS Flows on the A91

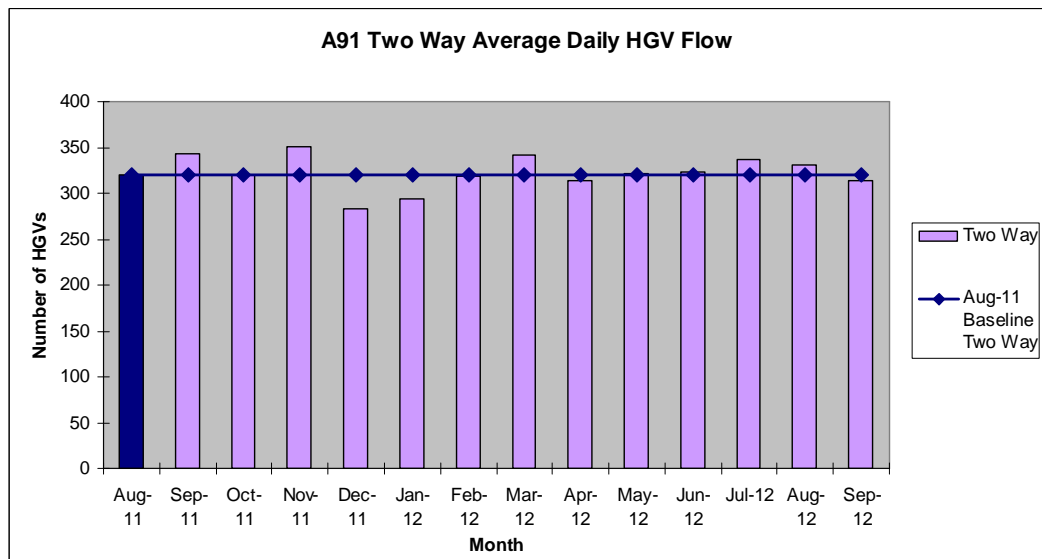


Figure 4-69 Monthly Two Way HGVS Flows on the A91

4.4.5 Monthly Average AM Peak HGV Flows

Table 4-26 Site: JTC00573 AM Peak HGV Traffic Flows – August 2011 to September 2012

Counter	Location	Date	NB	SB	Two Way
JTC00573	A91	Aug-11	38	30	68
		Sep-11	41	34	76
		Oct-11	37	28	65
		Nov-11	40	34	74
		Dec-11	30	25	55
		Jan-12	32	27	59
		Feb-12	37	30	67
		Mar-12	39	34	74
		Apr-12	35	29	65
		May-12	41	31	73
		Jun-12	39	33	72
		Jul-12	36	30	66
		Aug-12	39	32	71
		Sep-12	39	33	72
		Annual Average			37

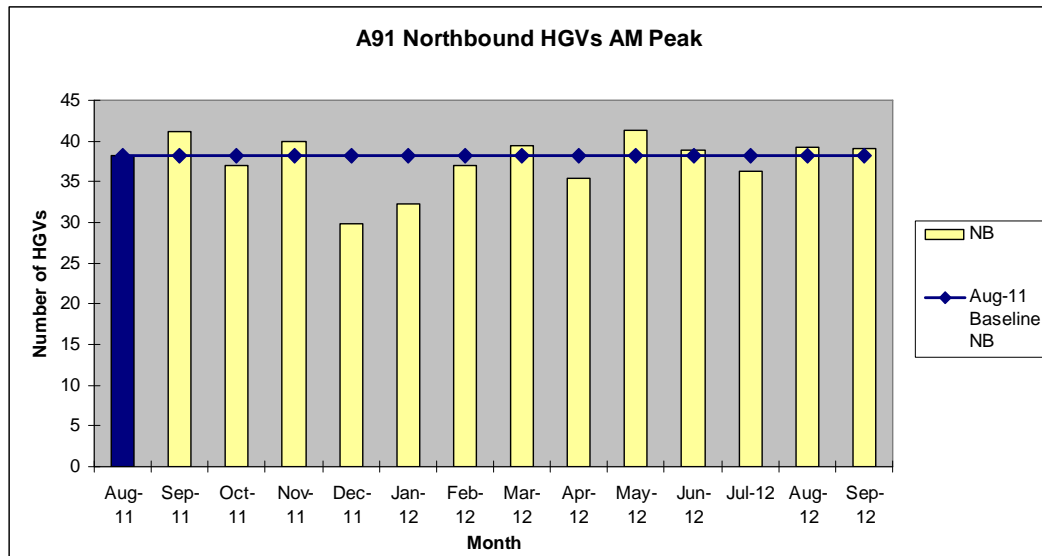


Figure 4-70 Monthly Northbound AM Peak HGV Flows on the A91

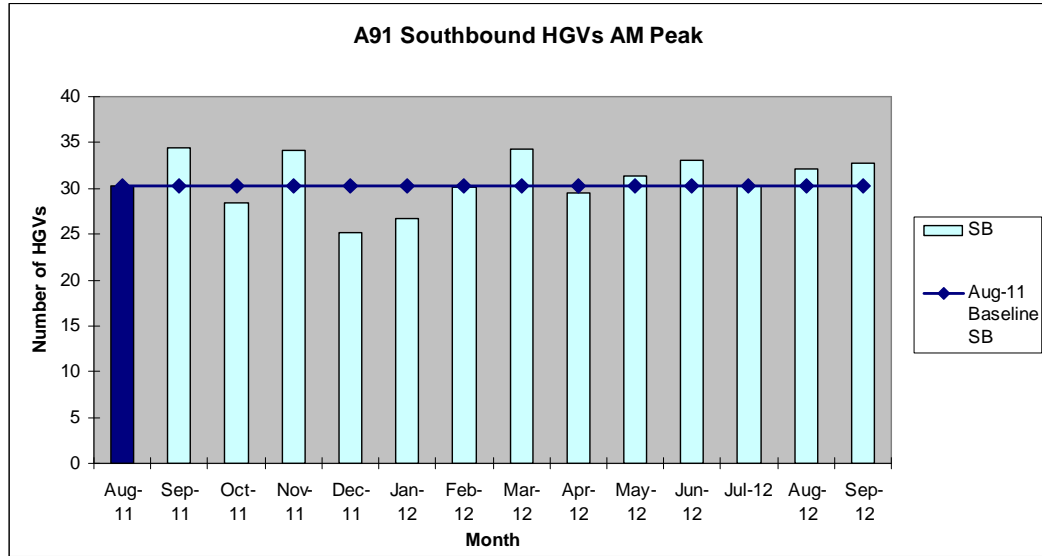


Figure 4-71 Monthly Southbound AM Peak HGV Flows on the A91

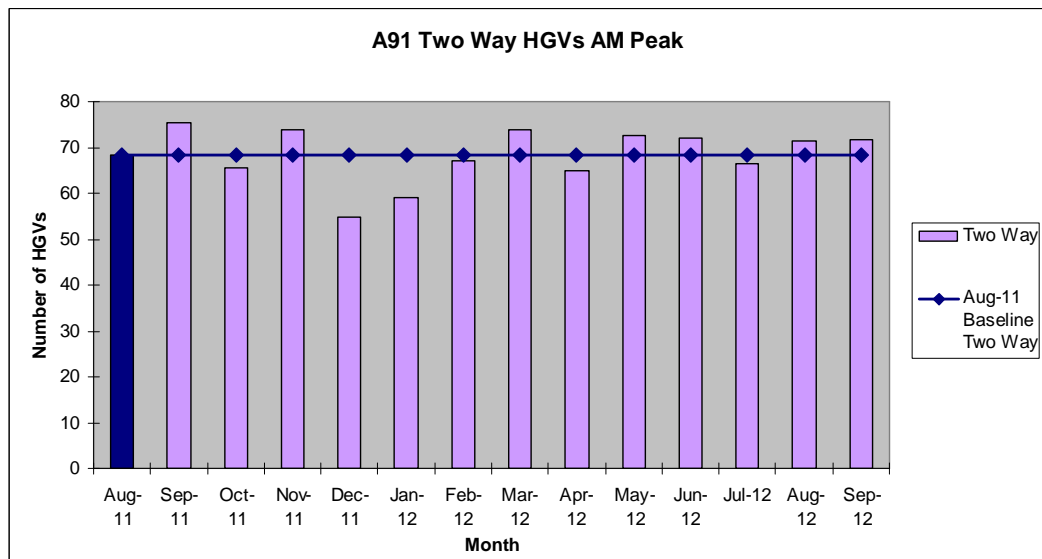


Figure 4-72 Monthly Two Way AM Peak HGV Flows on the A91

4.4.6 Monthly Average PM Peak HGV Flows

Table 4-27 Site: JTC00573 PM Peak HGV Traffic Flows – August 2011 to September 2012

Counter	Location	Date	NB	SB	Two Way
JTC00573	A91	Aug-11	22	21	43
		Sep-11	25	23	48
		Oct-11	23	22	45
		Nov-11	31	27	58
		Dec-11	23	25	47
		Jan-12	25	22	47
		Feb-12	28	24	52
		Mar-12	26	26	52
		Apr-12	21	20	41
		May-12	20	21	41
		Jun-12	20	21	41
		Jul-12	23	24	47
		Aug-12	22	23	45
		Sep-12	20	22	42
		Annual Average			24

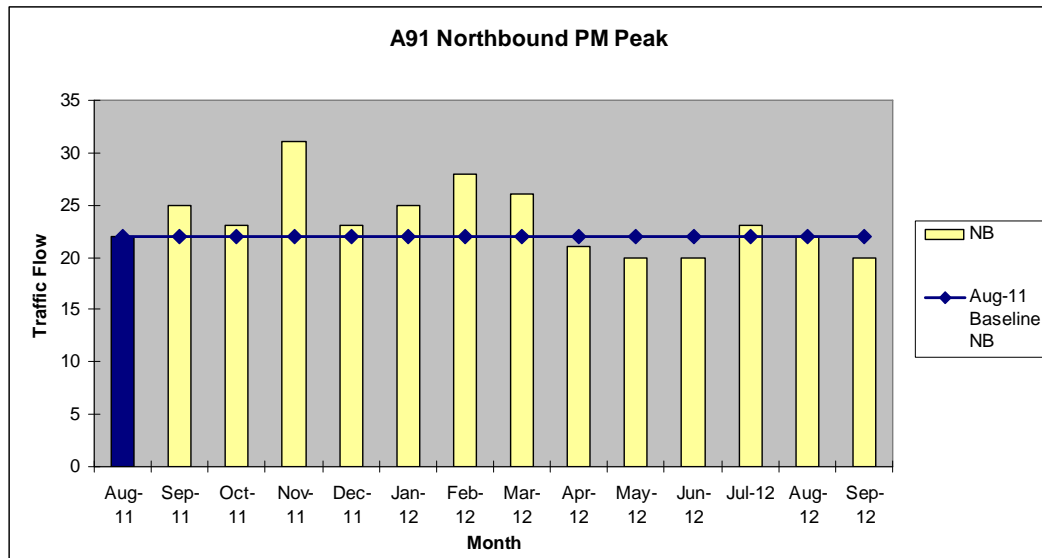


Figure 4-73 Monthly Northbound PM HGV Peak Flows on the A91

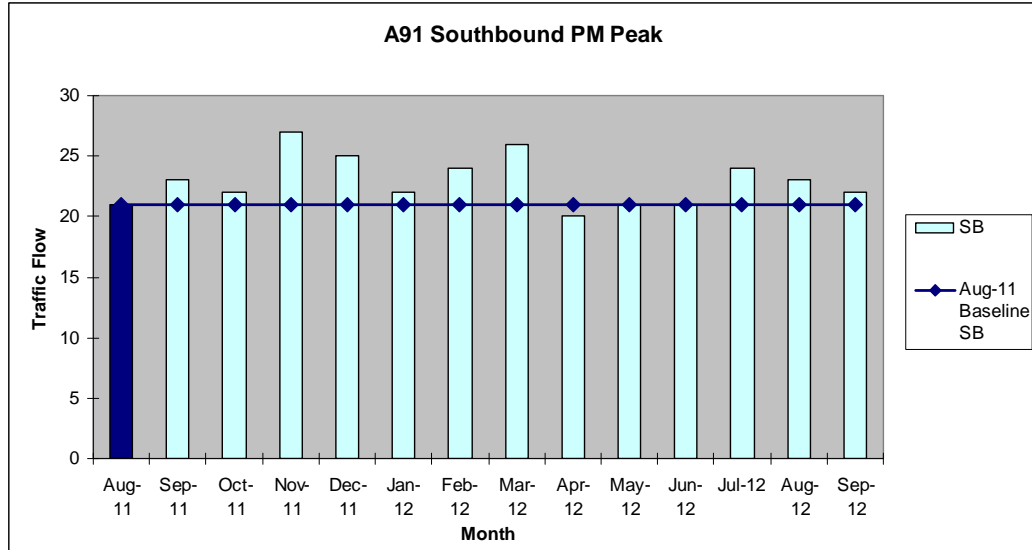


Figure 4-74 Monthly Southbound PM Peak HGVS Flows on the A91

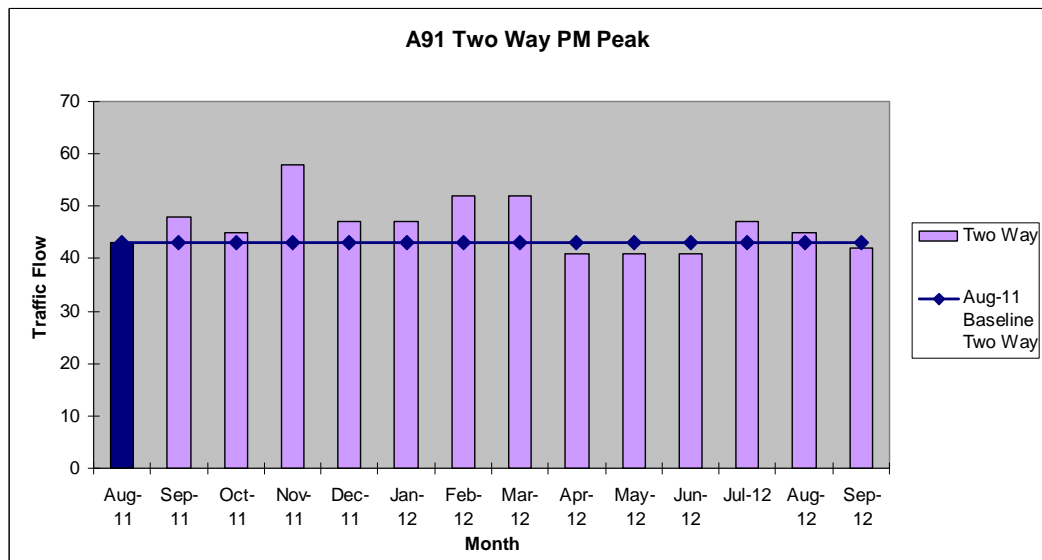


Figure 4-75 Monthly Two Way PM Peak HGVS Flows on the A91

4.4.7 Monthly Average All Vehicles Traffic Speeds

Table 4-28 Site: JTC00573 Average Monthly Traffic Speeds (KPH) (All Vehicles) – August 2011 to September 2012

Counter	Location	Date	NB	SB
JTC00573	A91	Aug-11	83	84
		Sep-11	83	84
		Oct-11	83	84
		Nov-11	81	82
		Dec-11	80	81
		Jan-12	81	82
		Feb-12	82	83
		Mar-12	83	84
		Apr-12	82	84
		May-12	80	81
		Jun-12	79	80
		Jul-12	81	82
		Aug-12	82	82
Sep-12	84	84		

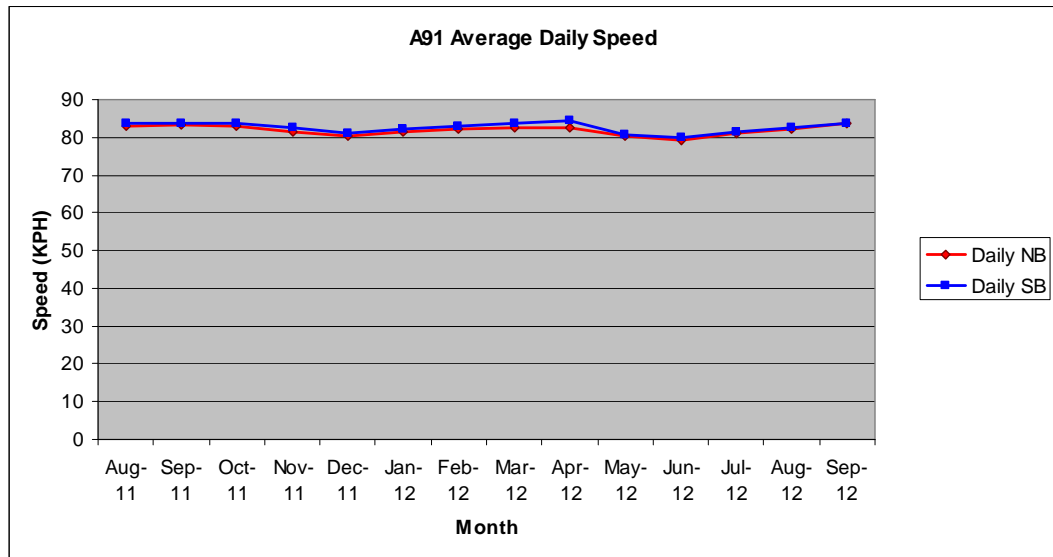


Figure 4-76 Average Monthly Traffic Speeds (KPH) on the A91

4.5 Traffic Counter JTC00574 – A921 Admiralty Road (Inverkeithing)

4.5.1 Monthly Average Traffic Flows

Table 3-29 Site: JTC00574 Annual Traffic Flows – August 2011 to September 2012

Counter	Location	Date	EB	WB	Two Way		
JTC00574	A921 Admiralty Road (Inverkeithing)	Aug-11	10,523	11,150	21,674		
		Sep-11	10,782	10,863	21,645		
		Oct-11	10,186	10,299	20,485		
		Nov-11	10,599	10,740	21,339		
		Dec-11	9,624	9,441	19,065		
		Jan-12	9,845	9,921	19,766		
		Feb-12	9,029	8,876	17,905		
		Mar-12	10,873	10,931	21,804		
		Apr-12	10,456	9,845	20,301		
		May-12	10,901	11,022	21,923		
		Jun-12	10,606	10,711	21,317		
		Jul-12	10,230	10,459	20,689		
		Aug-12	11,248	11,526	22,774		
		Sep-12	10,569	10,631	21,200		
		Annual Average			10,305	10,355	20,659

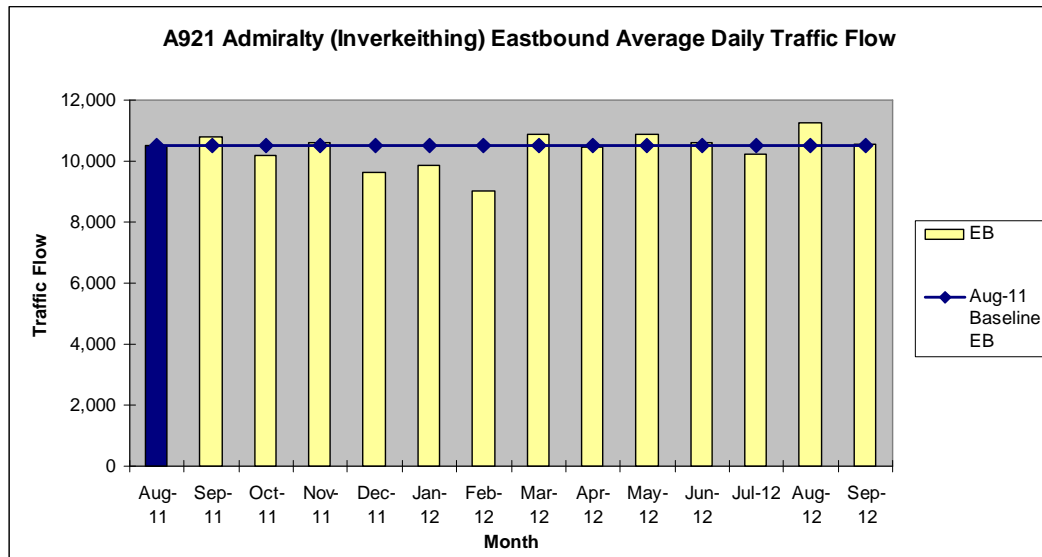


Figure 4-77 Monthly Eastbound AADTs on the A921 Admiralty Road (Inverkeithing)

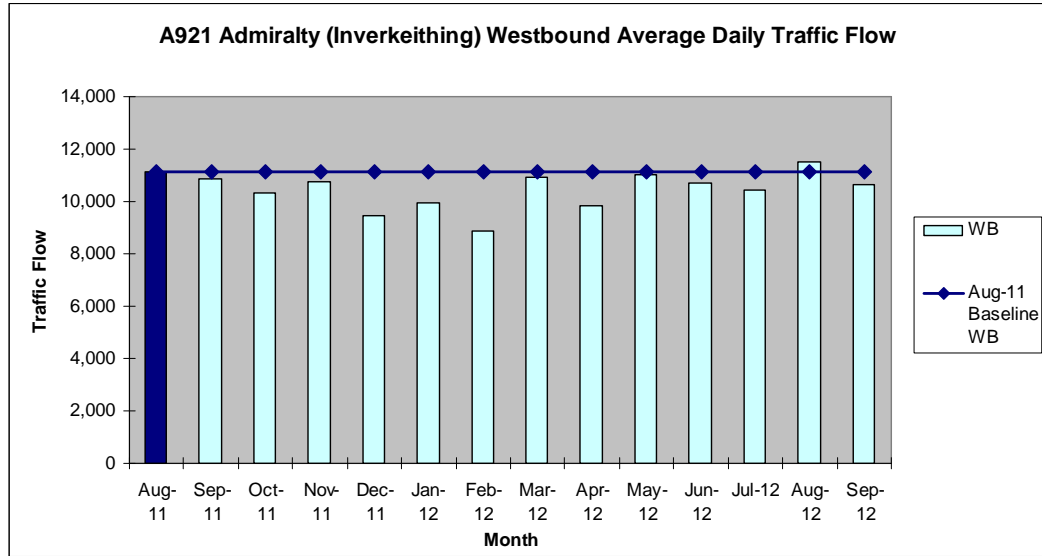


Figure 4-78 Monthly Westbound AADTs on the A921 Admiralty Road (Inverkeithing)

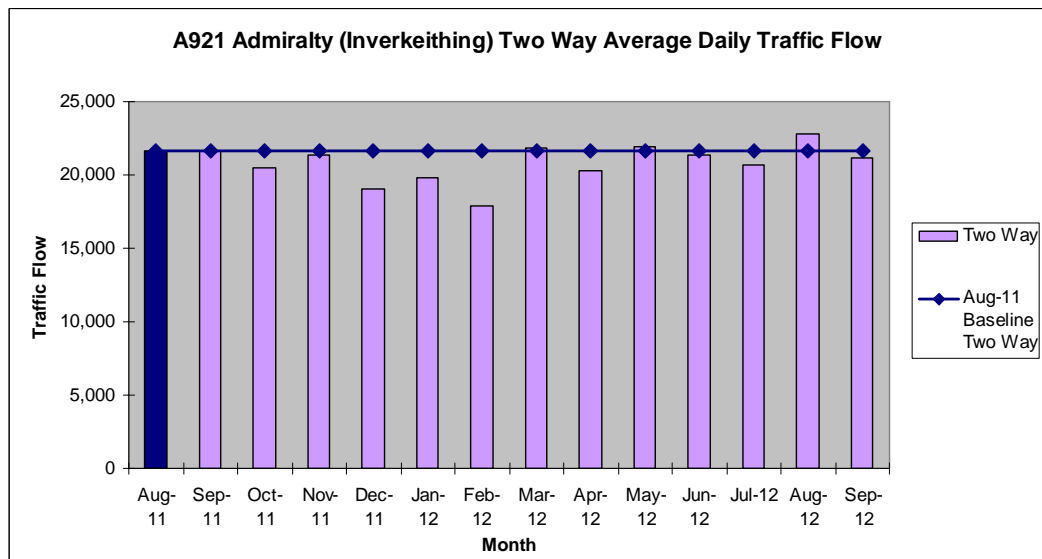


Figure 4-79 Monthly Two Way Daily Traffic Flows on the A921 Admiralty Road (Inverkeithing)

4.5.2 Monthly Average AM Peak Traffic Flows

Table 4-30 Site: JTC00574 AM Peak Traffic Flows – August 2011 to September 2012

Counter	Location	Date	EB	WB	Two Way
JTC00574	A921 Admiralty Road (Inverkeithing)	Aug-11	1,620	2,210	3,829
		Sep-11	1,813	2,312	4,125
		Oct-11	1,599	2,118	3,718
		Nov-11	1,501	2,138	3,639
		Dec-11	1,227	1,679	2,905
		Jan-12	1,294	1,804	3,098
		Feb-12	992	1,373	2,365
		Mar-12	1,580	2,103	3,684
		Apr-12	1,708	1,913	3,621
		May-12	1,828	2,313	4,141
		Jun-12	1,738	2,189	3,927
		Jul-12	1,587	2,024	3,611
		Aug-12	1,796	2,291	4,087
		Sep-12	1,717	2,185	3,901
		Annual Average			1,540

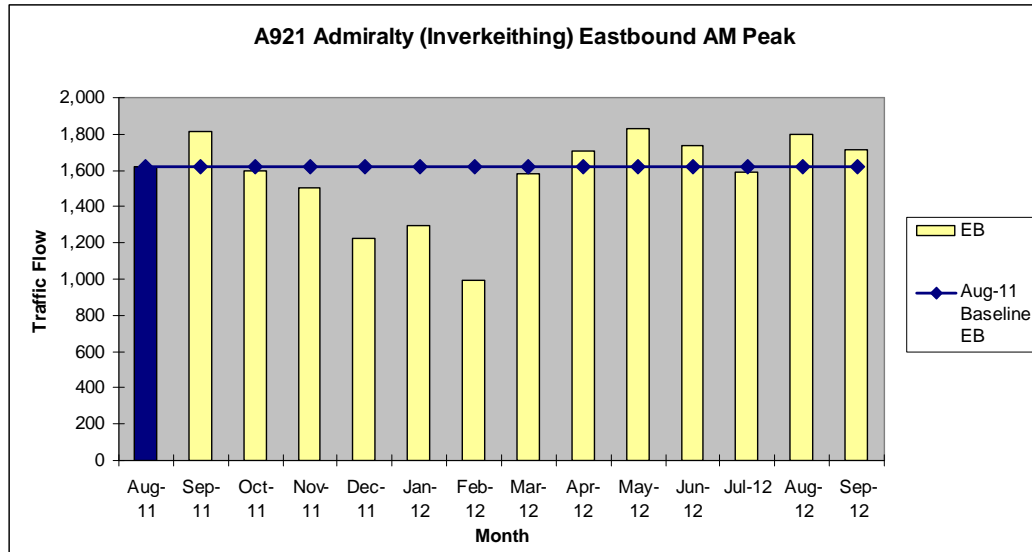


Figure 4-80 Monthly Eastbound AM Peak Flows on the A921 Admiralty Road (Inverkeithing)

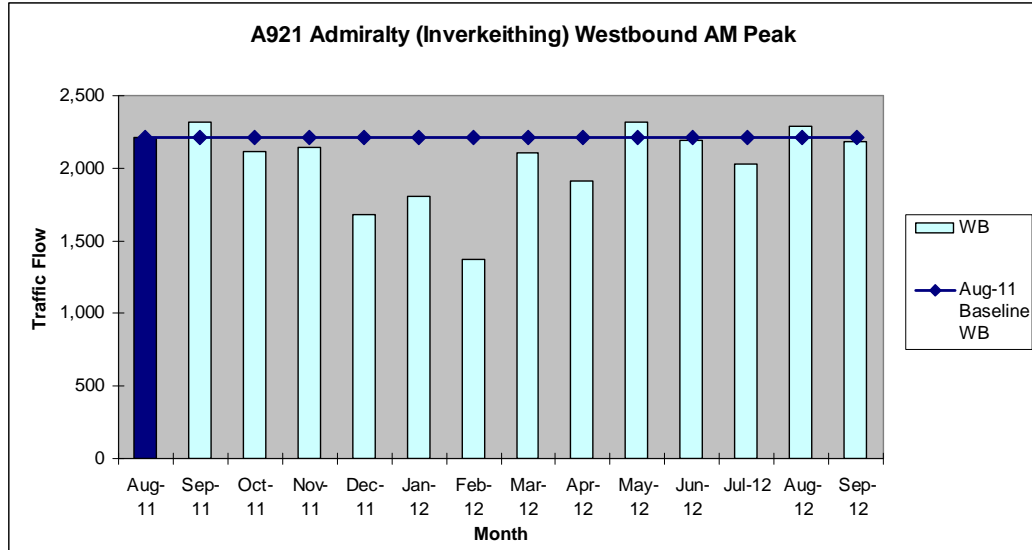


Figure 4-81 Monthly Westbound AM Peak Flows on the A921 Admiralty Road (Inverkeithing)

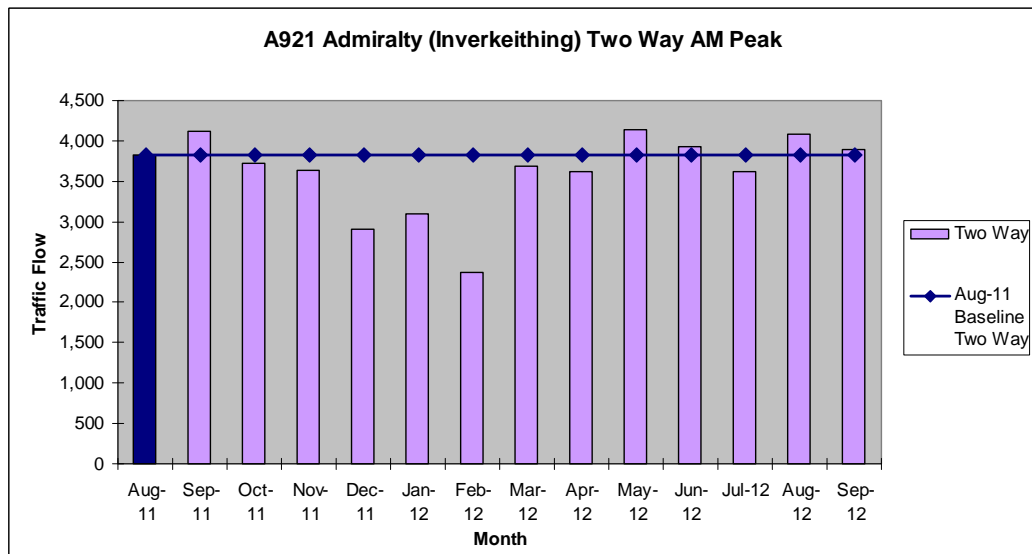


Figure 4-82 Monthly Two Way AM Peak Flows on the A921 Admiralty Road (Inverkeithing)

4.5.3 Monthly Average PM Peak Traffic Flows

Table 4-31 Site: JTC00574 PM Peak Traffic Flows – August 2011 to September 2012

Counter	Location	Date	EB	WB	Two Way
JTC00574	A921 Admiralty Road (Inverkeithing)	Aug-11	2,728	2,425	5,153
		Sep-11	2,804	2,326	5,130
		Oct-11	2,652	2,157	4,809
		Nov-11	2,742	2,344	5,086
		Dec-11	2,400	1,985	4,385
		Jan-12	2,560	2,232	4,792
		Feb-12	2,670	2,259	4,929
		Mar-12	2,817	2,424	5,242
		Apr-12	2,619	2,126	4,745
		May-12	2,725	2,391	5,116
		Jun-12	2,641	2,216	4,857
		Jul-12	2,598	2,243	4,841
		Aug-12	2,857	2,529	5,386
		Sep-12	2,706	2,291	4,997
		Annual Average			2,663

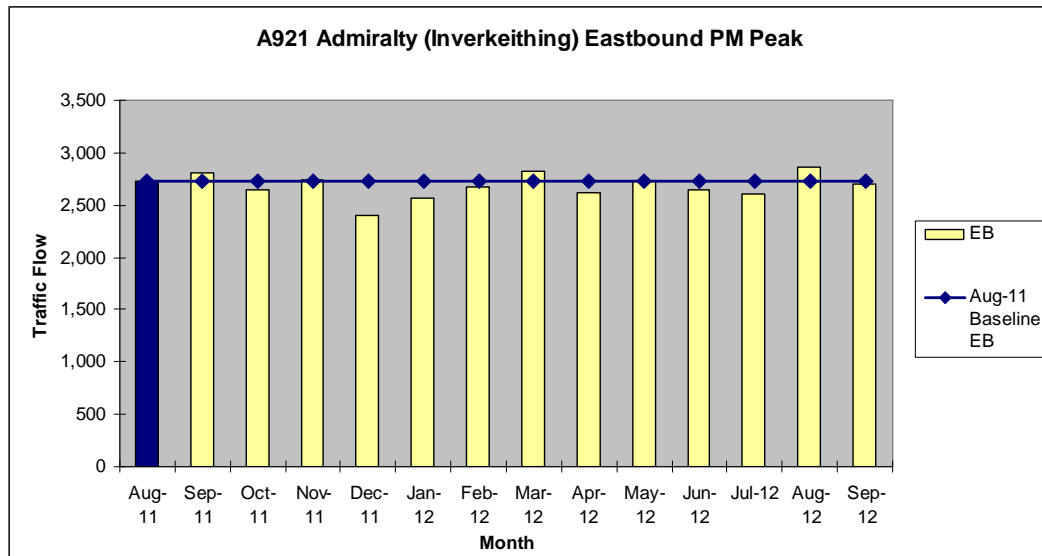


Figure 4-83 Monthly Eastbound PM Peak Flows on the A921 Admiralty Road (Inverkeithing)

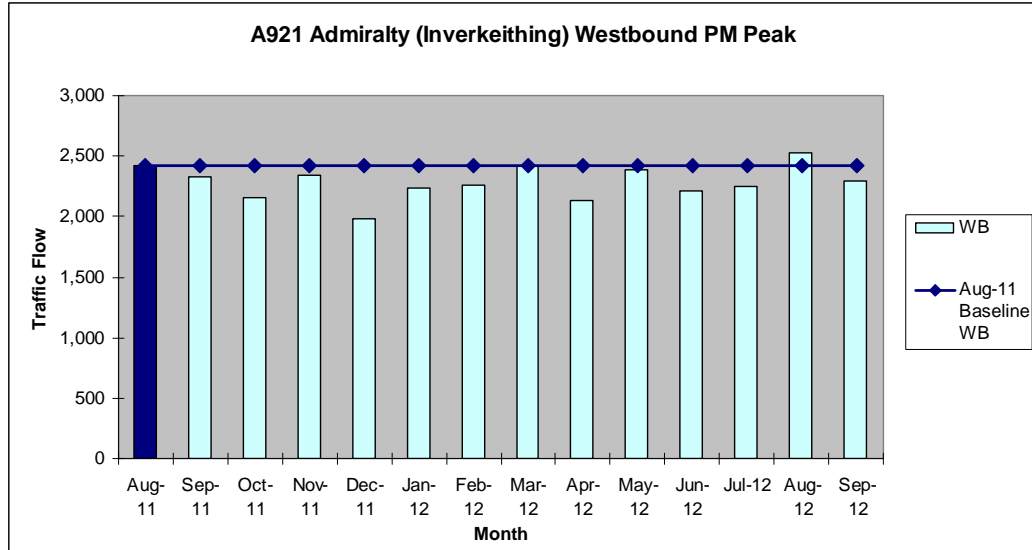


Figure 4-84 Monthly Westbound PM Peak Flows on the A921 Admiralty Road (Inverkeithing)

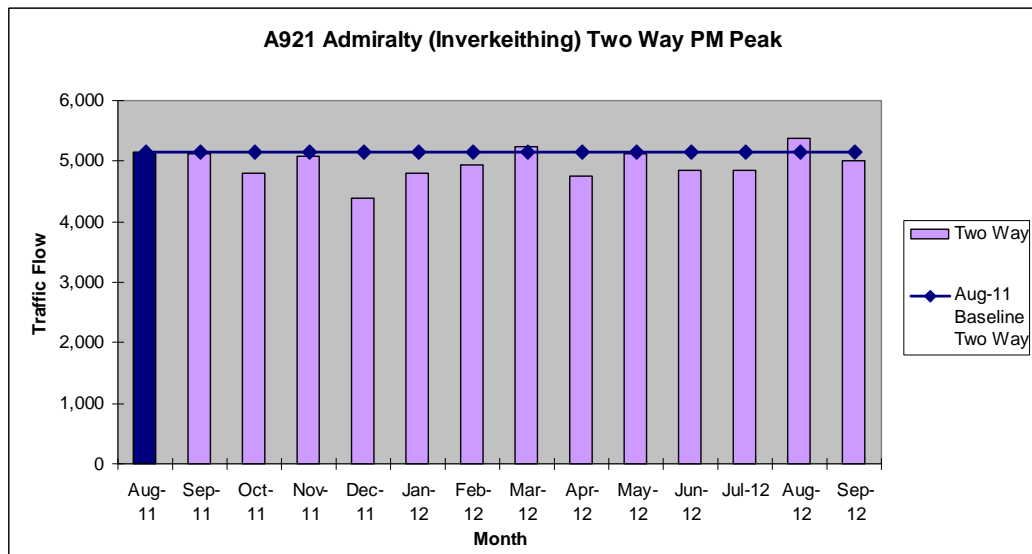


Figure 4-85 Monthly Two Way PM Peak Flows on the A921 Admiralty Road (Inverkeithing)

4.5.4 Monthly Average HGVS Flows

Table 4-32 Site: JTC00574 Annual HGVS Traffic Flows – August 2011 to September 2012

Counter	Location	Date	EB	WB	Two Way
JTC00574	A921 Admiralty Road (Inverkeithing)	Aug-11	126	127	252
		Sep-11	168	168	335
		Oct-11	162	156	317
		Nov-11	171	162	332
		Dec-11	137	130	267
		Jan-12	148	133	281
		Feb-12	165	158	323
		Mar-12	181	171	353
		Apr-12	150	133	283
		May-12	171	165	336
		Jun-12	169	161	330
		Jul-12	130	122	253
		Aug-12	172	170	343
		Sep-12	186	181	367
		Annual Average			156

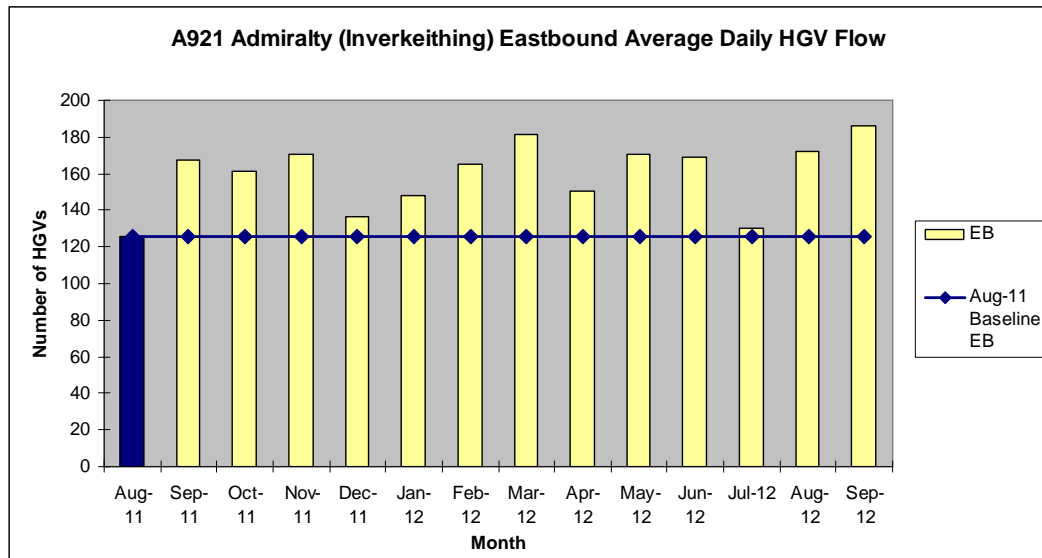


Figure 4-86 Monthly Eastbound HGVS Flows on the A921 Admiralty Road (Inverkeithing)

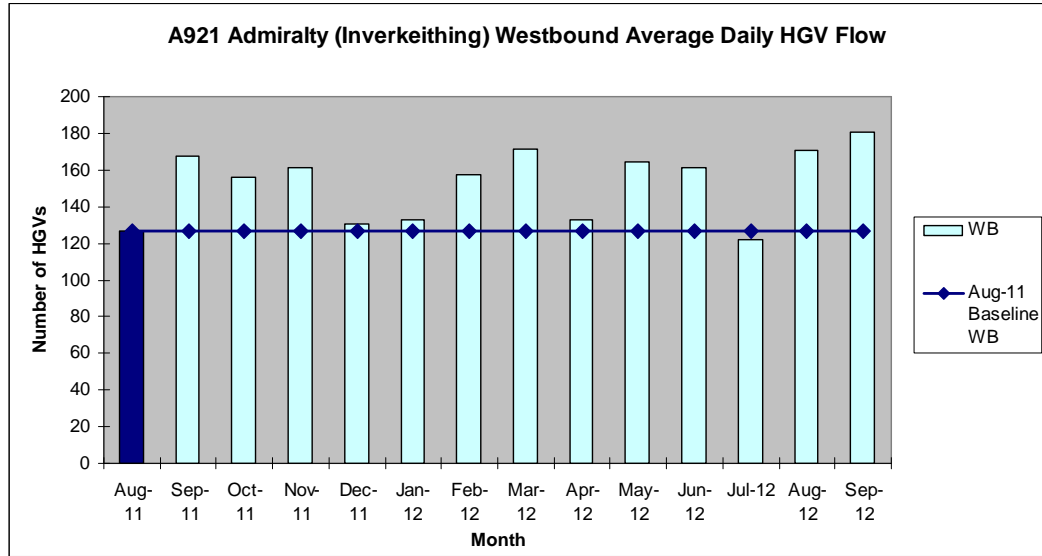


Figure 4-87 Monthly Westbound HGVS Flows on the A921 Admiralty Road (Inverkeithing)

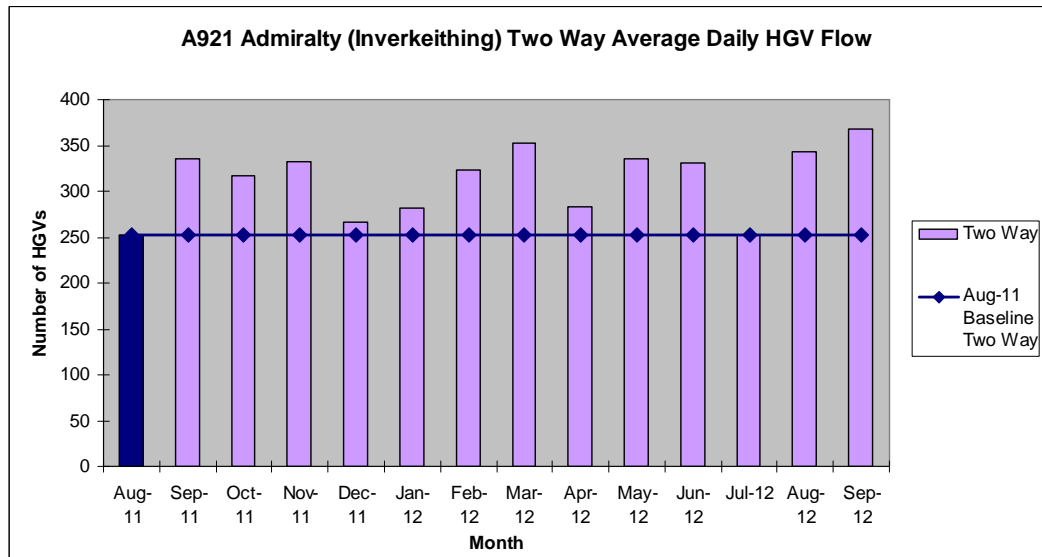


Figure 4-88 Monthly Two Way HGVS Flows on the A921 Admiralty Road (Inverkeithing)

4.5.5 Monthly Average AM Peak HGV Flows

Table 4-33 Site: JTC00574 AM Peak HGV Traffic Flows – August 2011 to September 2012

Counter	Location	Date	EB	WB	Two Way
JTC00574	A921 Admiralty Road (Inverkeithing)	Aug-11	30	32	62
		Sep-11	50	52	102
		Oct-11	44	45	89
		Nov-11	47	42	89
		Dec-11	39	35	75
		Jan-12	40	33	73
		Feb-12	44	38	82
		Mar-12	51	42	93
		Apr-12	41	39	81
		May-12	52	50	102
		Jun-12	50	47	97
		Jul-12	31	30	61
		Aug-12	43	43	86
		Sep-12	52	50	75
		Annual Average			43

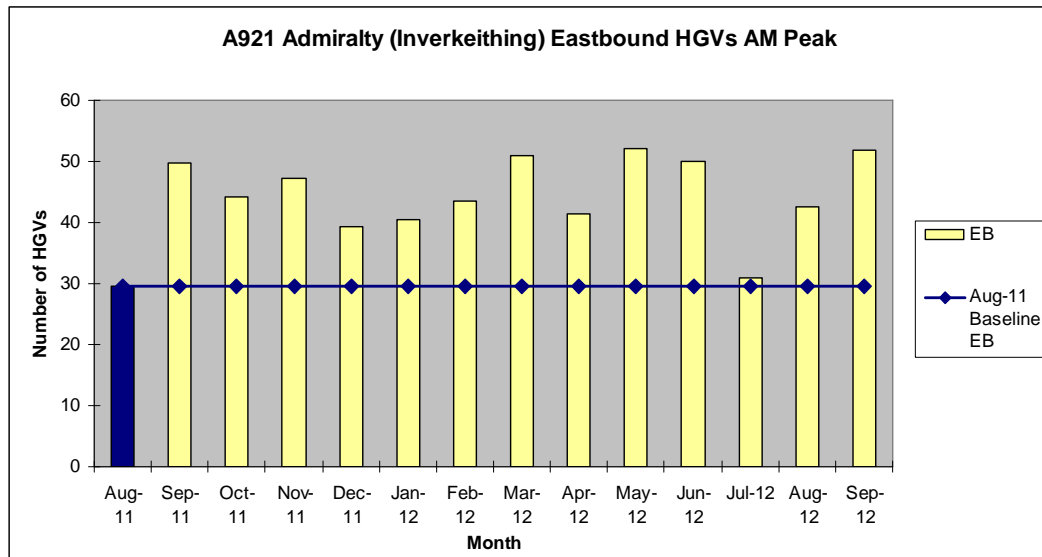


Figure 4-89 Monthly Eastbound AM Peak HGV Flows on the A921 Admiralty Road (Inverkeithing)

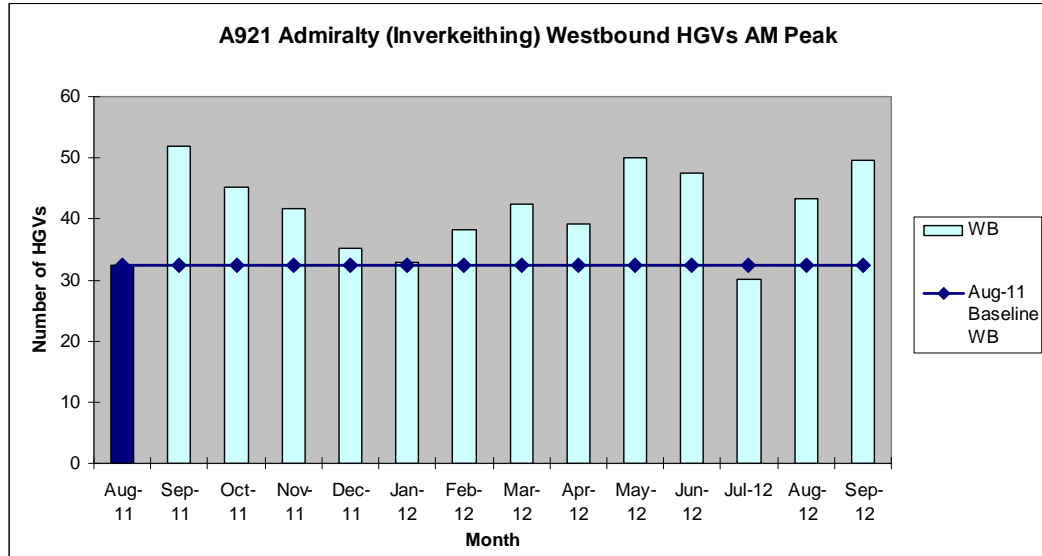


Figure 4-90 Monthly Westbound AM Peak HGV Flows on the A921 Admiralty Road (Inverkeithing)

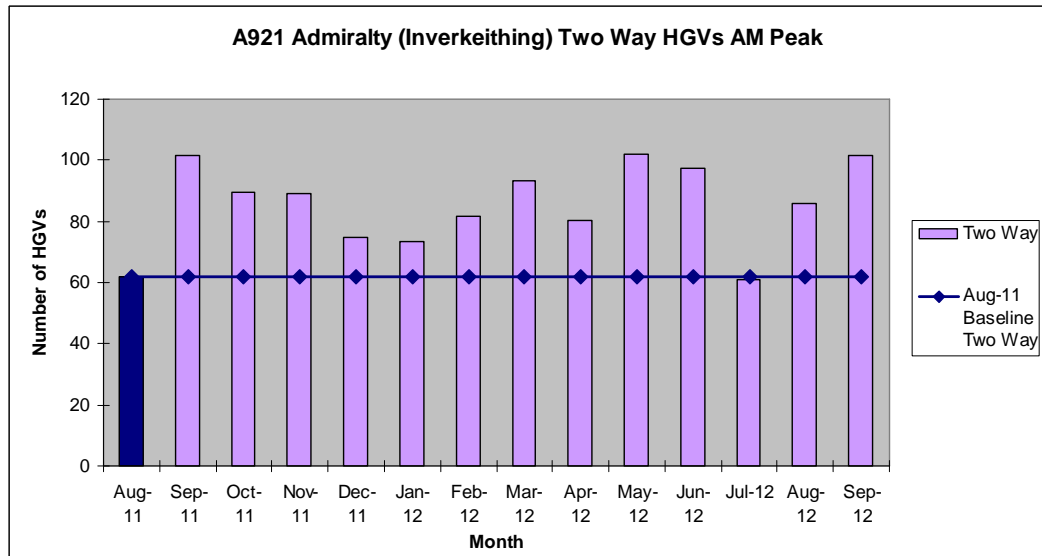


Figure 4-91 Monthly Two Way AM Peak HGV Flows on the A921 Admiralty Road (Inverkeithing)

4.5.6 Monthly Average PM Peak HGV Flows

Table 4-34 Site: JTC00574 PM Peak HGV Traffic Flows – August 2011 to September 2012

Counter	Location	Date	EB	WB	Two Way
JTC00574	A921 Admiralty Road (Inverkeithing)	Aug-11	15	20	35
		Sep-11	19	27	47
		Oct-11	22	24	46
		Nov-11	32	32	64
		Dec-11	23	24	47
		Jan-12	26	25	51
		Feb-12	29	30	60
		Mar-12	26	31	57
		Apr-12	18	20	38
		May-12	18	24	41
		Jun-12	19	24	42
		Jul-12	15	18	33
		Aug-12	23	27	50
		Sep-12	23	30	53
		Annual Average			22

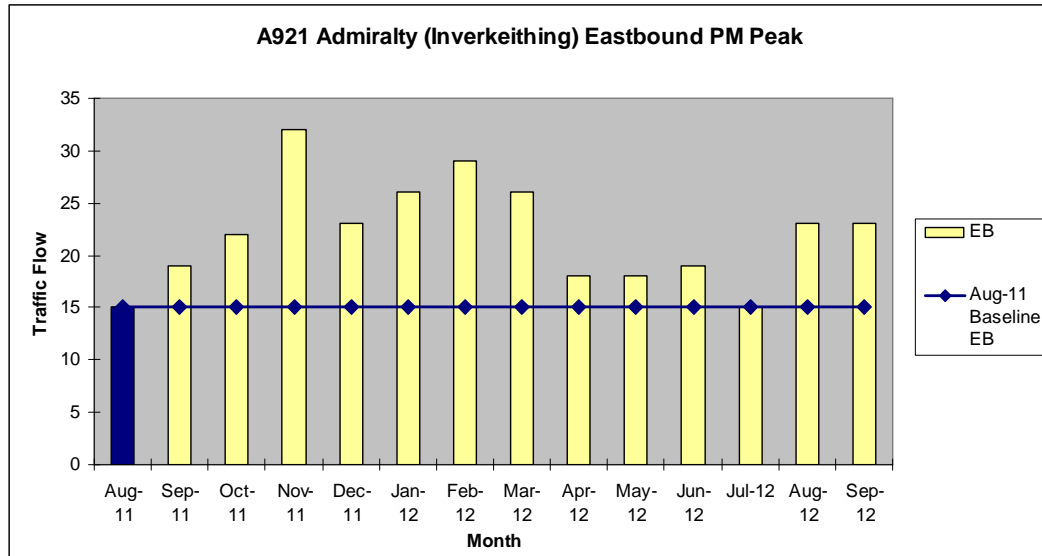


Figure 4-92 Monthly Eastbound PM HGV Peak Flows on the A921 Admiralty Road (Inverkeithing)

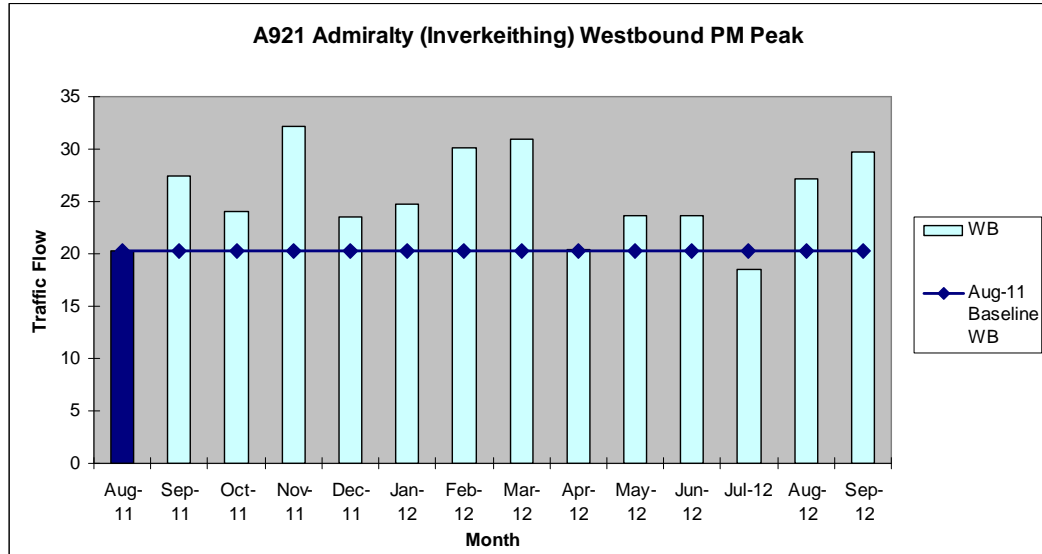


Figure 4-93 Monthly Westbound PM Peak HGV Flows on the A921 Admiralty Road (Inverkeithing)

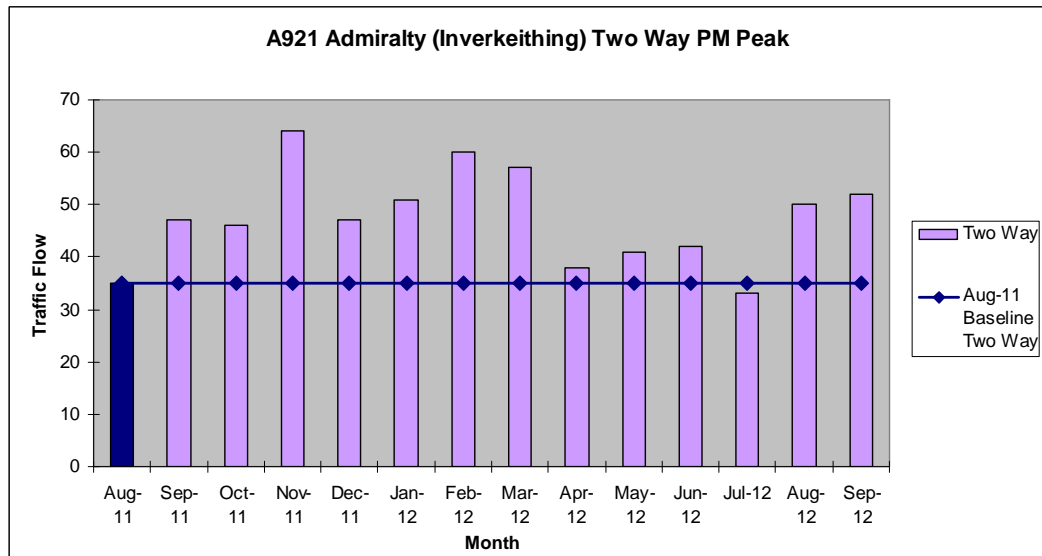


Figure 4-94 Monthly Two Way PM Peak HGV Flows on the A921 Admiralty Road (Inverkeithing)

4.5.7 Monthly Average All Vehicles Traffic Speeds

Table 4-35 Site: JTC00574 Average Monthly Traffic Speeds (KPH) (All Vehicles) – August 2011 to September 2012

Counter	Location	Date	EB	WB
JTC00574	A921 Admiralty Road (Inverkeithing)	Aug-11	62	61
		Sep-11	62	61
		Oct-11	60	61
		Nov-11	59	59
		Dec-11	59	59
		Jan-12	59	59
		Feb-12	59	60
		Mar-12	60	60
		Apr-12	61	61
		May-12	61	61
		Jun-12	61	61
		Jul-12	61	61
		Aug-12	61	60
Sep-12	62	61		

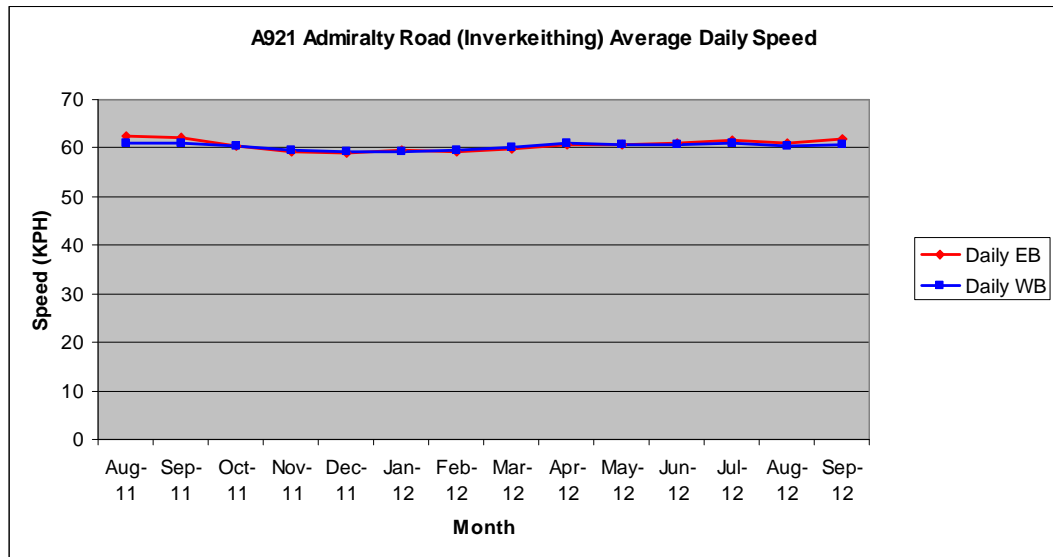


Figure 4-95 Average Monthly Traffic Speeds (KPH) on the A921 Admiralty Road (Inverkeithing)

4.6 Traffic Counter JTC00578 – A921 Hilton Road (Rosyth)

4.6.1 Monthly Average Traffic Flows

Table 3-36 Site: JTC00578 Annual Traffic Flows – August 2011 to September 2012

Counter	Location	Date	NB	SB	Two Way		
JTC00578	A921 Hilton Road (Rosyth)	Aug-11	1,538	1,729	3,267		
		Sep-11	1,668	1,543	3,211		
		Oct-11	1,482	1,568	3,050		
		Nov-11	1,547	1,654	3,201		
		Dec-11	1,164	1,169	2,333		
		Jan-12	1,417	1,398	2,815		
		Feb-12	1,612	1,704	3,317		
		Mar-12	1,645	1,753	3,397		
		Apr-12	1,591	1,699	3,290		
		May-12	1,719	1,849	3,569		
		Jun-12	1,598	1,674	3,272		
		Jul-12	1,485	1,558	3,042		
		Aug-12	1,533	1,639	3,172		
		Sep-12	1,441	1,568	3,008		
		Annual Average			1,539	1,608	3,147

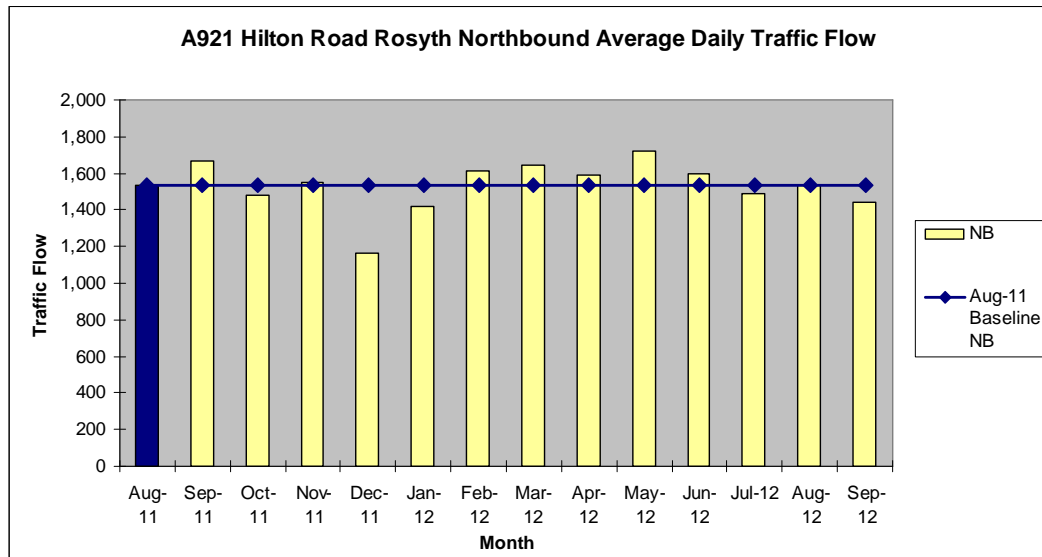


Figure 4-96 Monthly Northbound AADTs on the A921 Hilton Road (Rosyth)

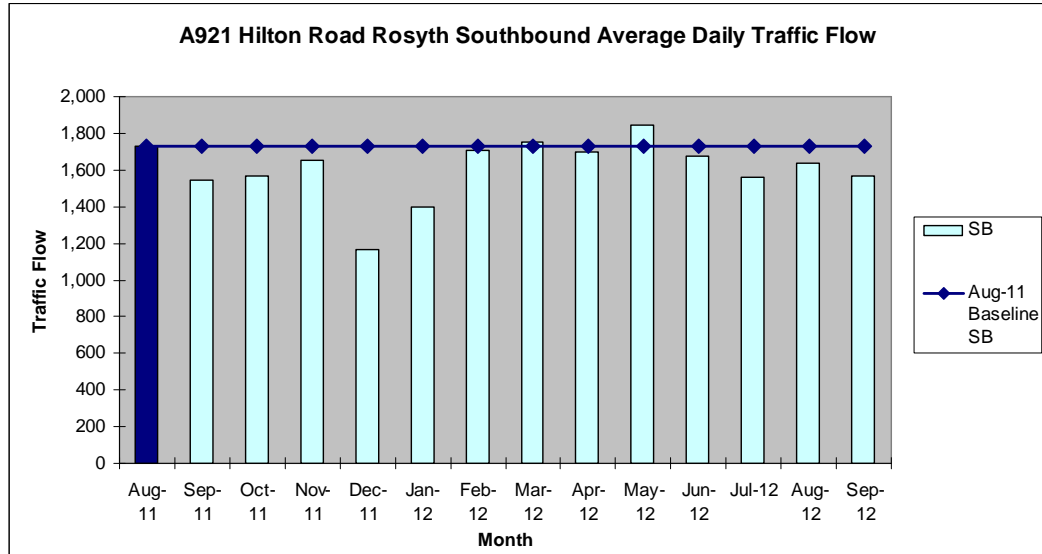


Figure 4-97 Monthly Southbound AADTs on the A921 Hilton Road (Rosyth)

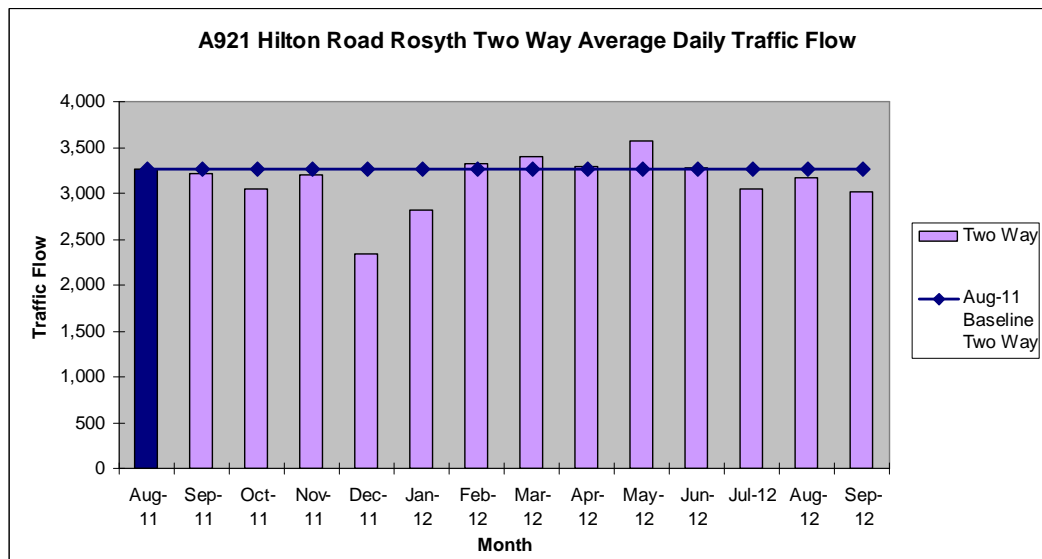


Figure 4-98 Monthly Two Way Daily Traffic Flows on the A921 Hilton Road (Rosyth)

4.6.2 Monthly Average AM Peak Traffic Flows

Table 4-37 Site: JTC00578 AM Peak Traffic Flows – August 2011 to September 2012

Counter	Location	Date	NB	SB	Two Way
JTC00578	A921 Hilton Road (Rosyth)	Aug-11	135	704	839
		Sep-11	137	695	832
		Oct-11	130	678	808
		Nov-11	124	804	928
		Dec-11	78	465	542
		Jan-12	102	623	725
		Feb-12	142	814	956
		Mar-12	155	811	965
		Apr-12	155	678	833
		May-12	172	790	962
		Jun-12	159	693	851
		Jul-12	148	644	792
		Aug-12	155	689	843
		Sep-12	157	676	833
		Annual Average			136

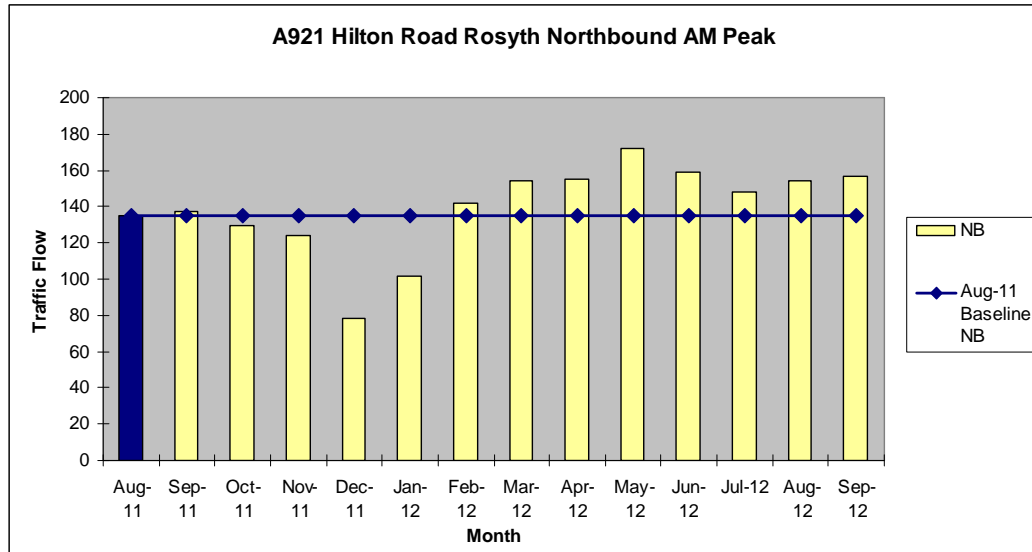


Figure 4-99 Monthly Northbound AM Peak Flows on the A921 Hilton Road (Rosyth)

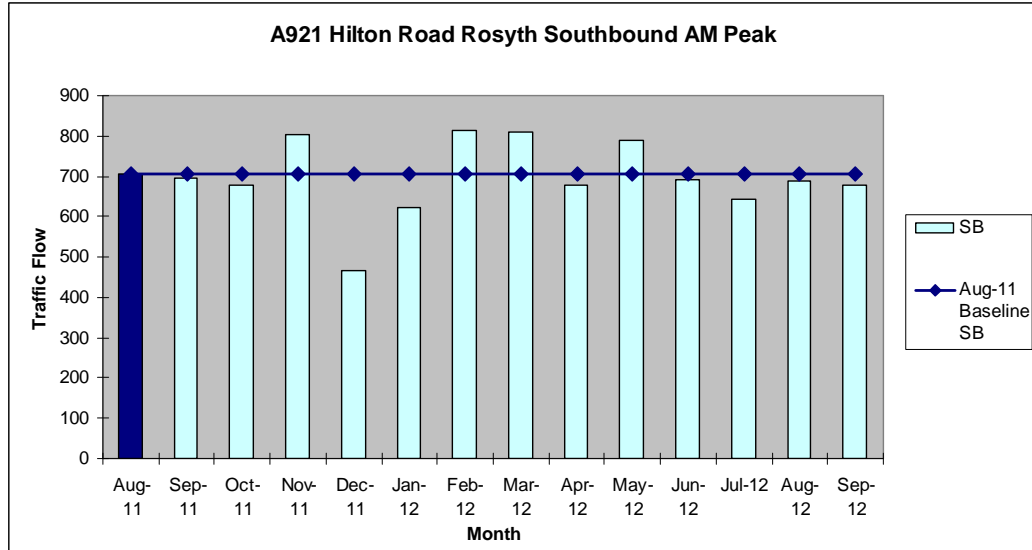


Figure 4-100 Monthly Southbound AM Peak Flows on the A921 Hilton Road (Rosyth)

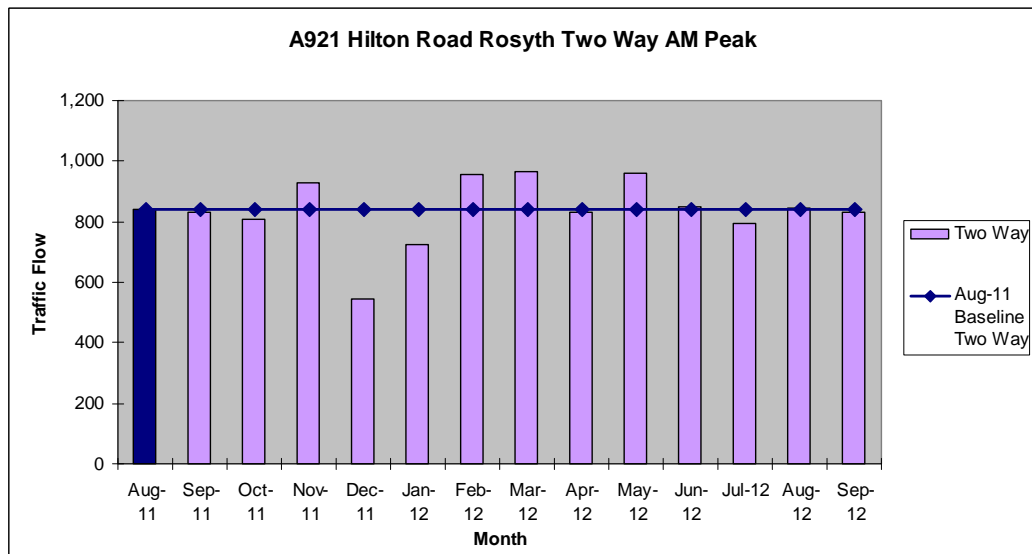


Figure 4-101 Monthly Two Way AM Peak Flows on the A921 Hilton Road (Rosyth)

4.6.3 Monthly Average PM Peak Traffic Flows

Table 4-38 Site: JTC00578 PM Peak Traffic Flows – August 2011 to September 2012

Counter	Location	Date	NB	SB	Two Way
JTC00578	A921 Hilton Road (Rosyth)	Aug-11	621	232	853
		Sep-11	769	219	988
		Oct-11	629	197	825
		Nov-11	613	186	800
		Dec-11	417	149	566
		Jan-12	587	181	768
		Feb-12	637	202	839
		Mar-12	644	217	861
		Apr-12	656	219	876
		May-12	705	224	929
		Jun-12	634	204	837
		Jul-12	626	186	812
		Aug-12	627	199	826
		Sep-12	594	182	776
		Annual Average			628

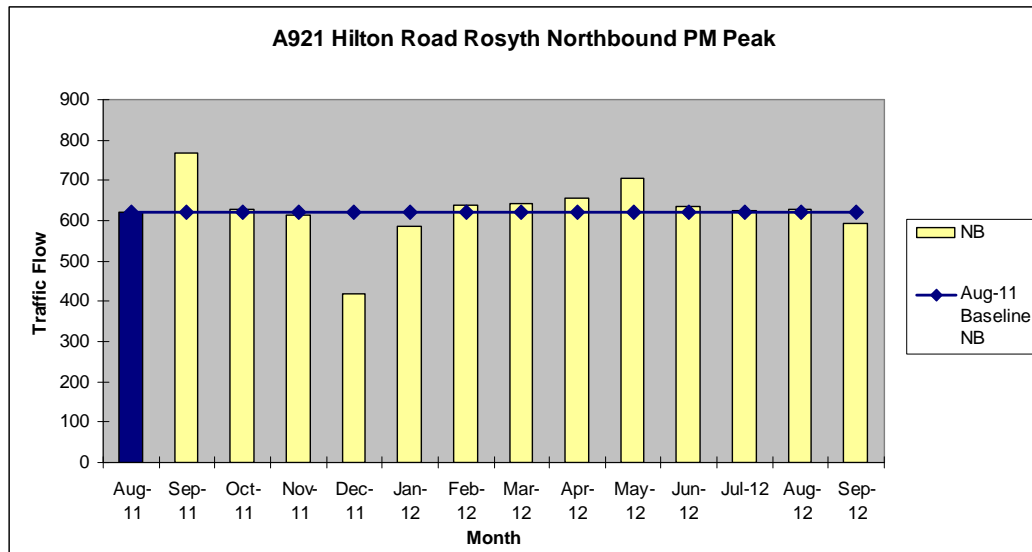


Figure 4-102 Monthly Northbound PM Peak Flows on the A921 Hilton Road (Rosyth)

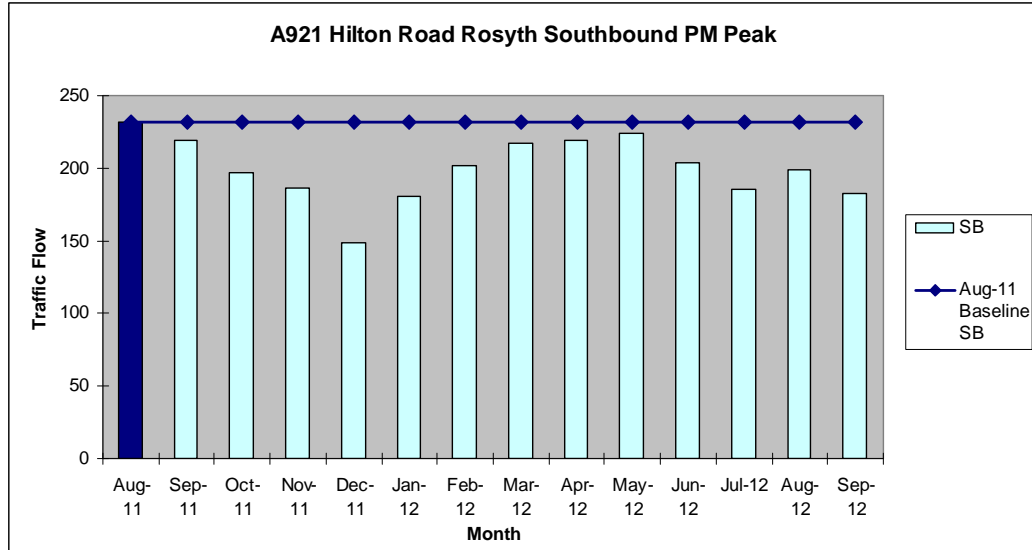


Figure 4-103 Monthly Southbound PM Peak Flows on the A921 Hilton Road (Rosyth)

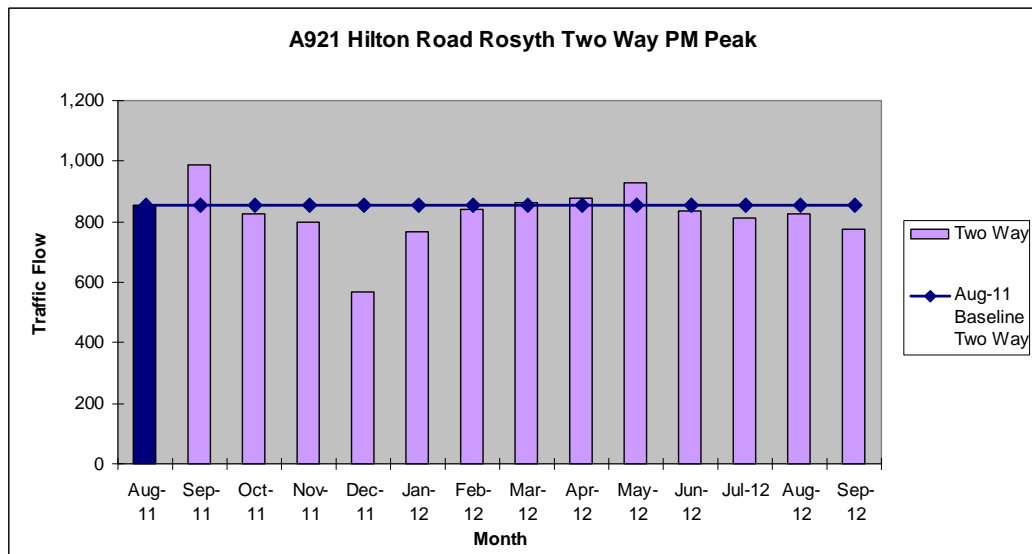


Figure 4-104 Monthly Two Way PM Peak Flows on the A921 Hilton Road (Rosyth)

4.6.4 Monthly Average HGV Flows

Table 4-39 Site: JTC00578 Annual HGV Traffic Flows – August 2011 to September 2012

Counter	Location	Date	NB	SB	Two Way
JTC00578	A921 Hilton Road (Rosyth)	Aug-11	4	2	6
		Sep-11	7	5	12
		Oct-11	5	3	8
		Nov-11	6	4	10
		Dec-11	3	2	6
		Jan-12	5	3	8
		Feb-12	5	4	10
		Mar-12	5	3	9
		Apr-12	4	3	8
		May-12	6	4	10
		Jun-12	5	3	8
		Jul-12	4	2	6
		Aug-12	5	3	9
		Sep-12	6	4	10
		Annual Average			5

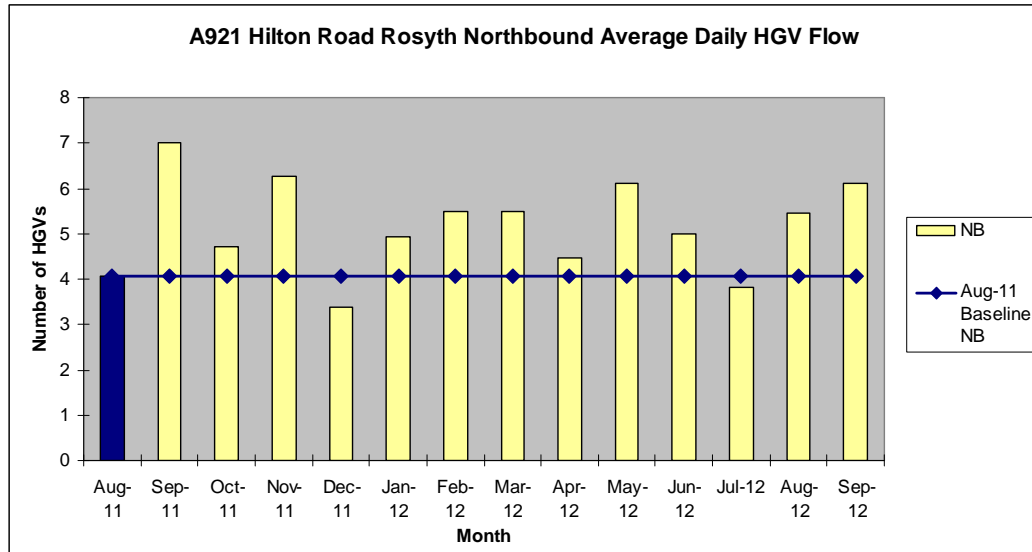


Figure 4-105 Monthly Eastbound HGV Flows on the A921 Hilton Road (Rosyth)

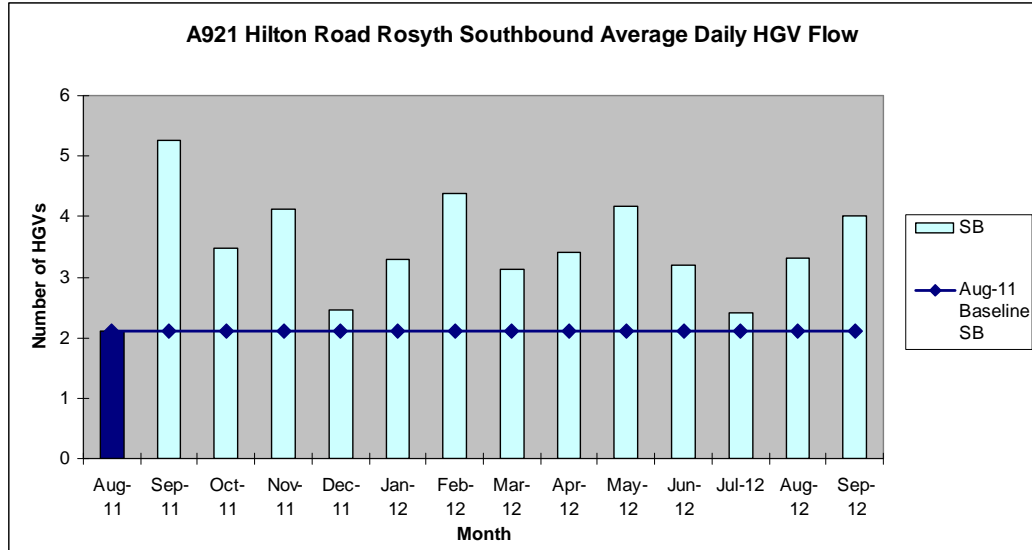


Figure 4-106 Monthly Westbound HGVS Flows on the A921 Hilton Road (Rosyth)

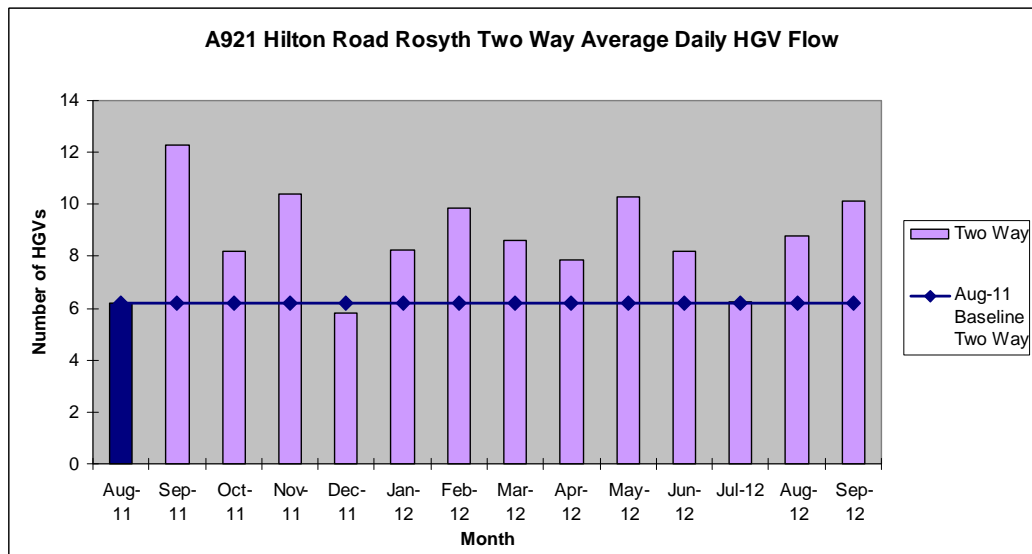


Figure 4-107 Monthly Two Way HGVS Flows on the A921 Hilton Road (Rosyth)

4.6.5 Monthly Average AM Peak HGV Flows

Table 4-40 Site: JTC00578 AM Peak HGV Traffic Flows – August 2011 to September 2012

Counter	Location	Date	NB	SB	Two Way
JTC00578	A921 Hilton Road (Rosyth)	Aug-11	1	1	2
		Sep-11	1	3	4
		Oct-11	1	2	3
		Nov-11	1	3	3
		Dec-11	0	1	2
		Jan-12	0	2	2
		Feb-12	1	3	4
		Mar-12	1	2	3
		Apr-12	1	2	2
		May-12	1	2	3
		Jun-12	1	2	2
		Jul-12	1	1	2
		Aug-12	1	2	3
		Sep-12	0	2	3
		Annual Average	1	2	3

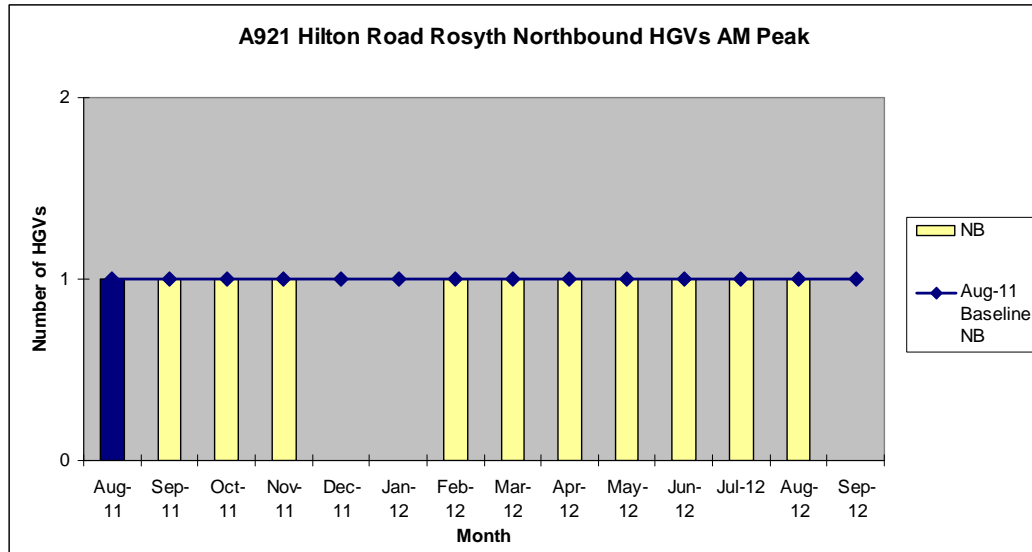


Figure 4-108 Monthly Northbound AM Peak HGV Flows on the A921 Hilton Road (Rosyth)

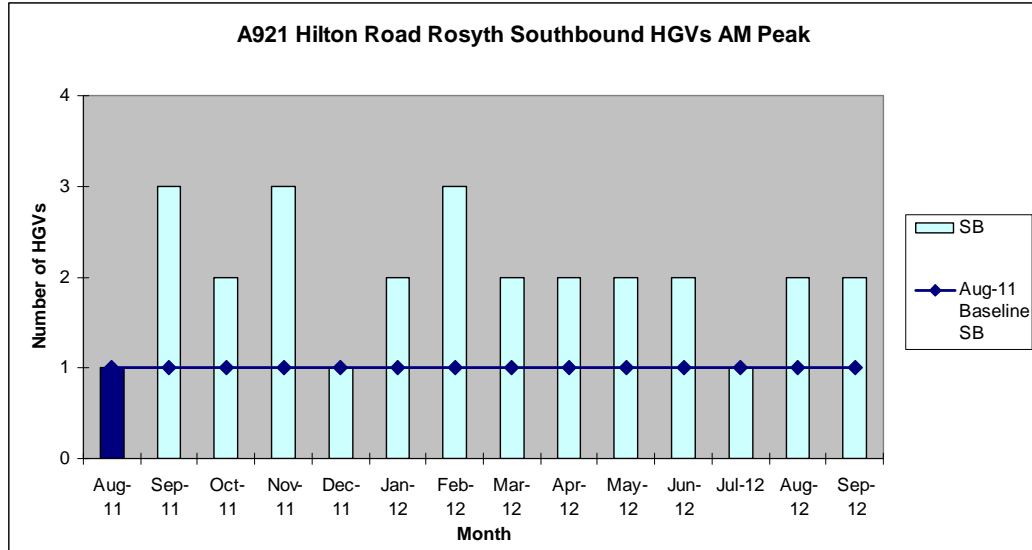


Figure 4-109 Monthly Westbound AM Peak HGV Flows on the A921 Hilton Road (Rosyth)

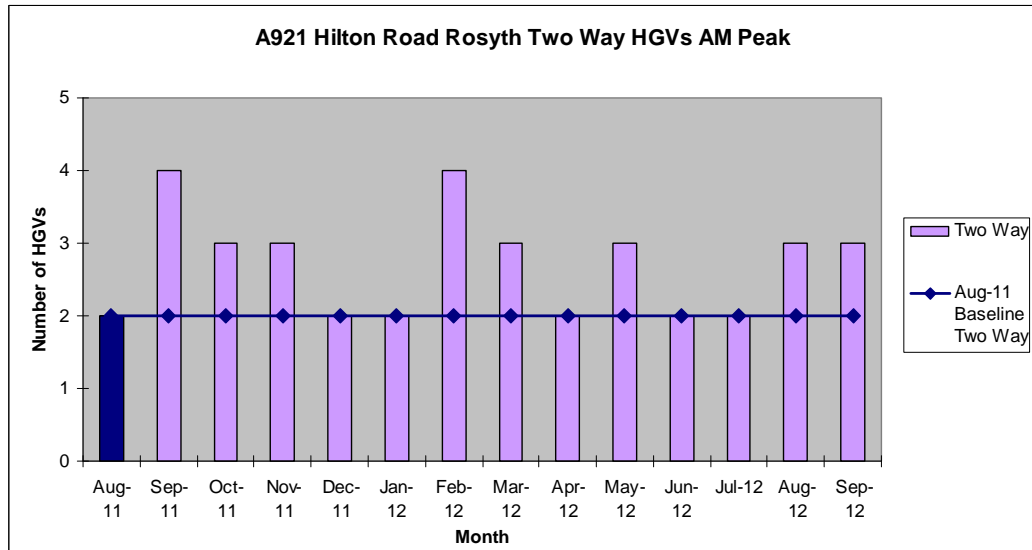


Figure 4-110 Monthly Two Way AM Peak HGV Flows on the A921 Hilton Road (Rosyth)

4.6.6 Monthly Average PM Peak HGV Flows

Table 4-41 Site: JTC00578 PM Peak HGV Traffic Flows – August 2011 to September 2012

Counter	Location	Date	NB	SB	Two Way
JTC00578	A921 Hilton Road (Rosyth)	Aug-11	2	0	2
		Sep-11	4	1	5
		Oct-11	3	0	4
		Nov-11	5	1	6
		Dec-11	2	0	3
		Jan-12	4	1	5
		Feb-12	4	1	5
		Mar-12	4	0	5
		Apr-12	3	1	4
		May-12	5	1	5
		Jun-12	3	1	4
		Jul-12	3	0	3
		Aug-12	4	0	5
		Sep-12	3	0	3
		Annual Average			4

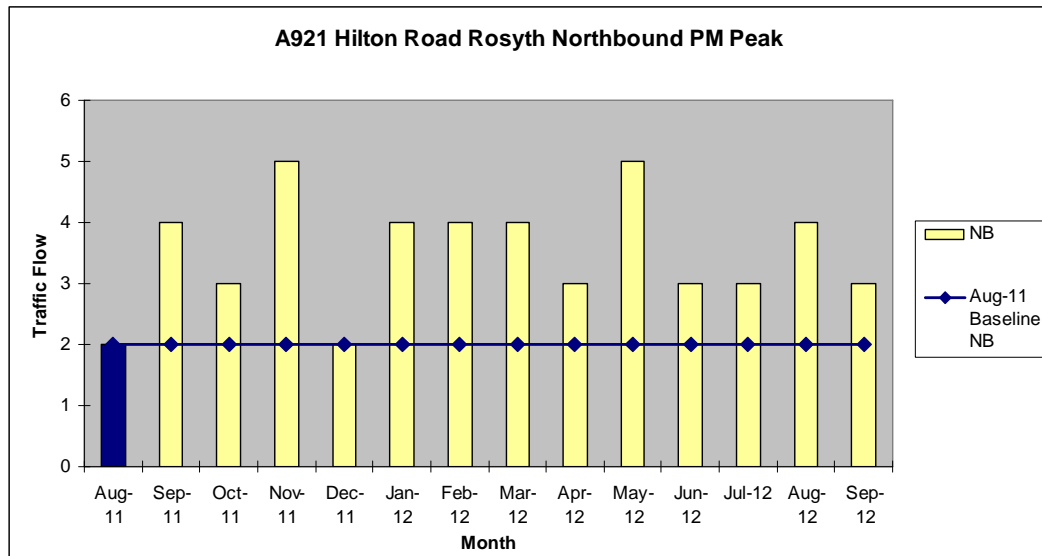


Figure 4-111 Monthly Northbound PM HGV Peak Flows on the A921 Hilton Road (Rosyth)

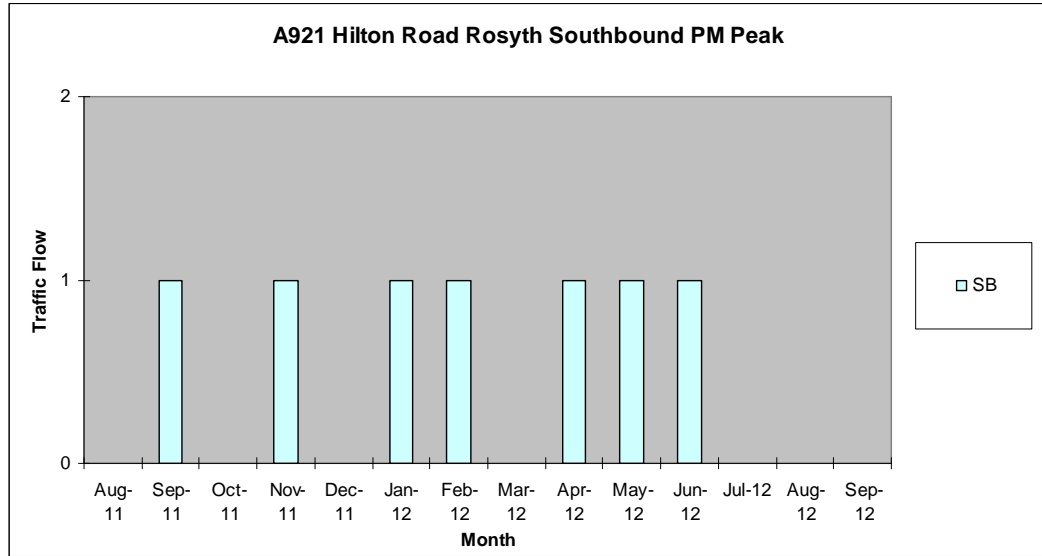


Figure 4-112 Monthly Southbound PM Peak HGV Flows on the A921 Hilton Road (Rosyth)

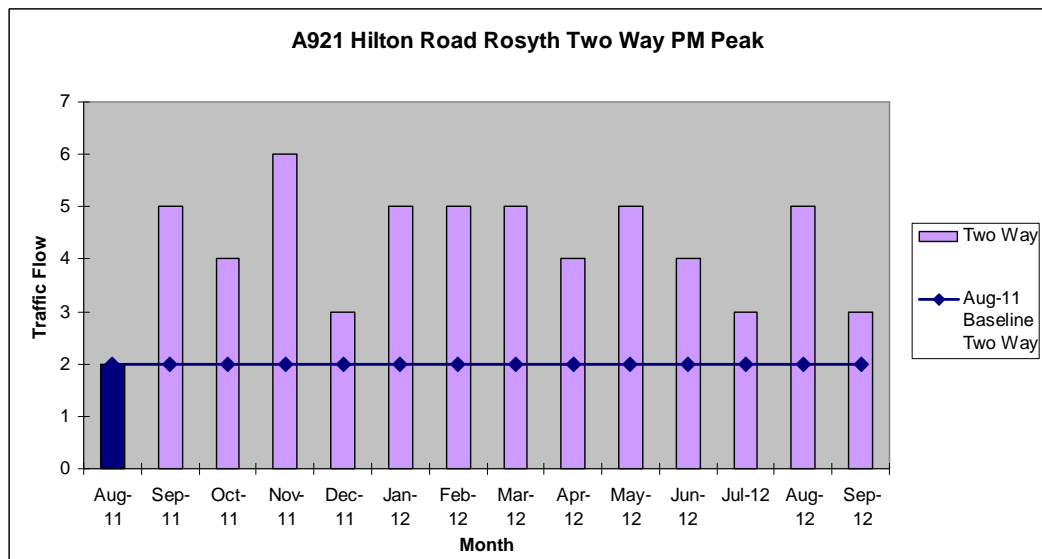


Figure 4-113 Monthly Two Way PM Peak HGV Flows on the A921 Hilton Road (Rosyth)

4.6.7 Monthly Average All Vehicles Traffic Speeds

Table 4-42 Site: JTC00578 Average Monthly Traffic Speeds (KPH) (All Vehicles) – August 2011 to September 2012

Counter	Location	Date	NB	SB
JTC00578	A921 Hilton Road (Rosyth)	Aug-11	35	35
		Sep-11	31	29
		Oct-11	36	35
		Nov-11	35	33
		Dec-11	35	33
		Jan-12	33	31
		Feb-12	36	34
		Mar-12	36	34
		Apr-12	36	35
		May-12	36	35
		Jun-12	36	35
		Jul-12	36	35
		Aug-12	36	35
Sep-12	36	35		

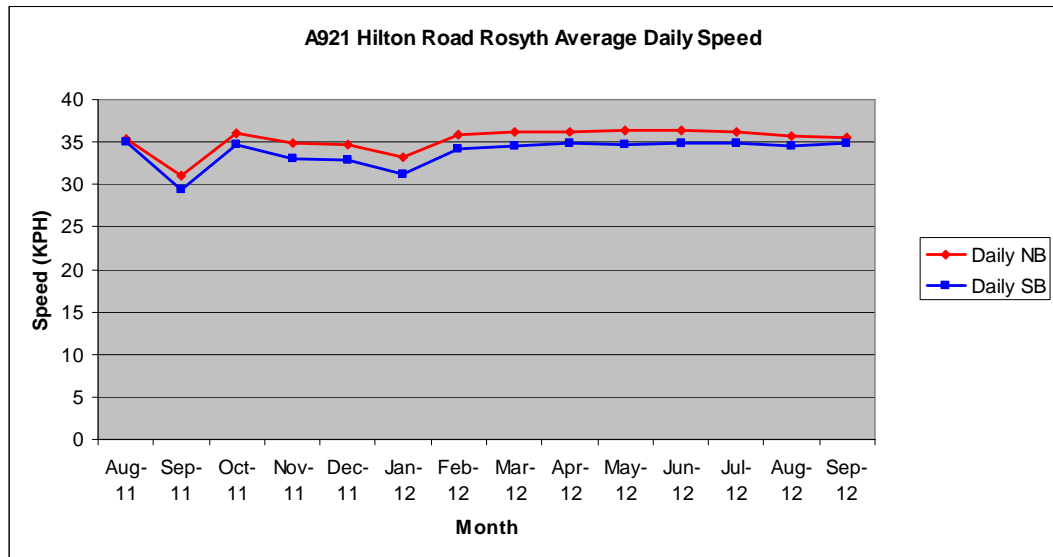


Figure 4-114 Average Monthly Traffic Speeds (KPH) on the A921 Hilton Road (Rosyth)

4.7 Traffic Counter JTC00584 – A907 Halbeath Road

4.7.1 Monthly Average Traffic Flows

Table 3-43 Site: JTC00584 Annual Traffic Flows – August 2011 to September 2012

Counter	Location	Date	EB	WB	Two Way
JTC00584	A907 Halbeath Road	Aug-11	11,981	11,713	23,694
		Sep-11	11,760	11,455	23,215
		Oct-11	11,235	10,910	22,145
		Nov-11	11,696	11,388	23,084
		Dec-11	11,299	10,839	22,138
		Jan-12	9,933	9,617	19,550
		Feb-12	10,932	10,641	21,574
		Mar-12	10,670	10,554	21,223
		Apr-12	10,203	11,093	21,296
		May-12	No Data	No Data	No Data
		Jun-12	10,662	11,389	22,051
		Jul-12	10,754	10,383	21,137
		Aug-12	11,652	11,296	22,948
		Sep-12	11,486	11,094	22,580
			Annual Average		11,011

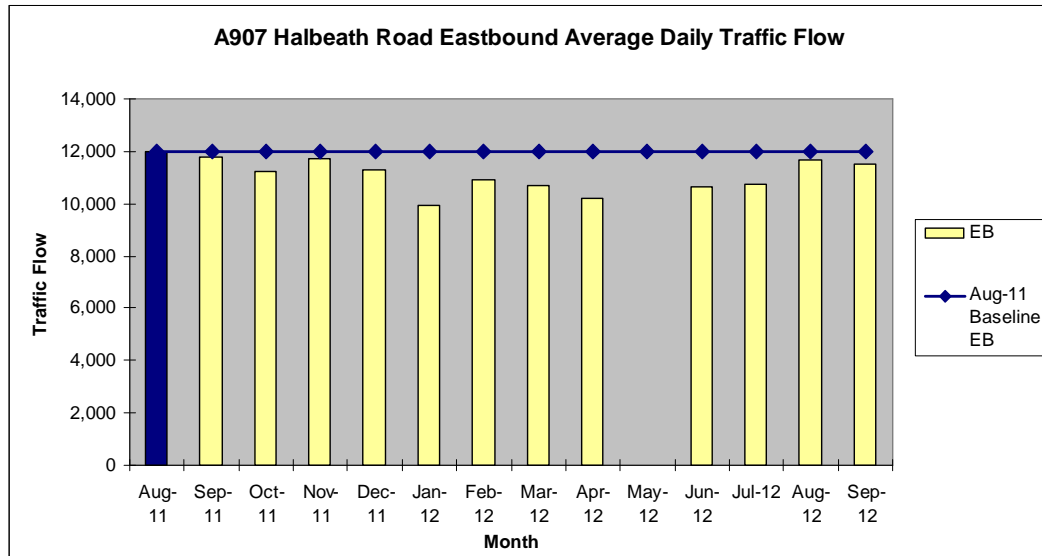


Figure 4-115 Monthly Eastbound AADTs on the A907 Halbeath Road

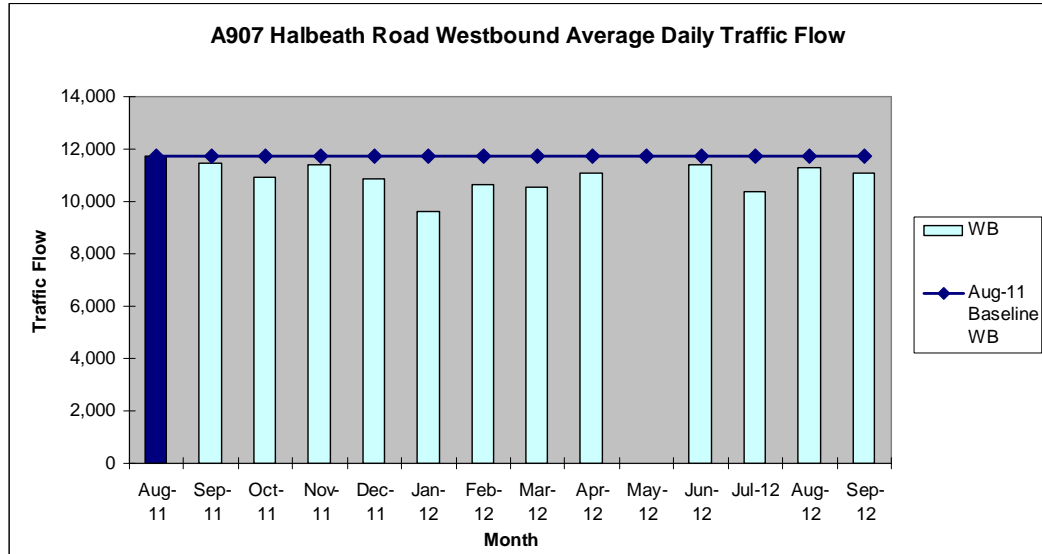


Figure 4-116 Monthly Westbound AADTs on the A907 Halbeath Road

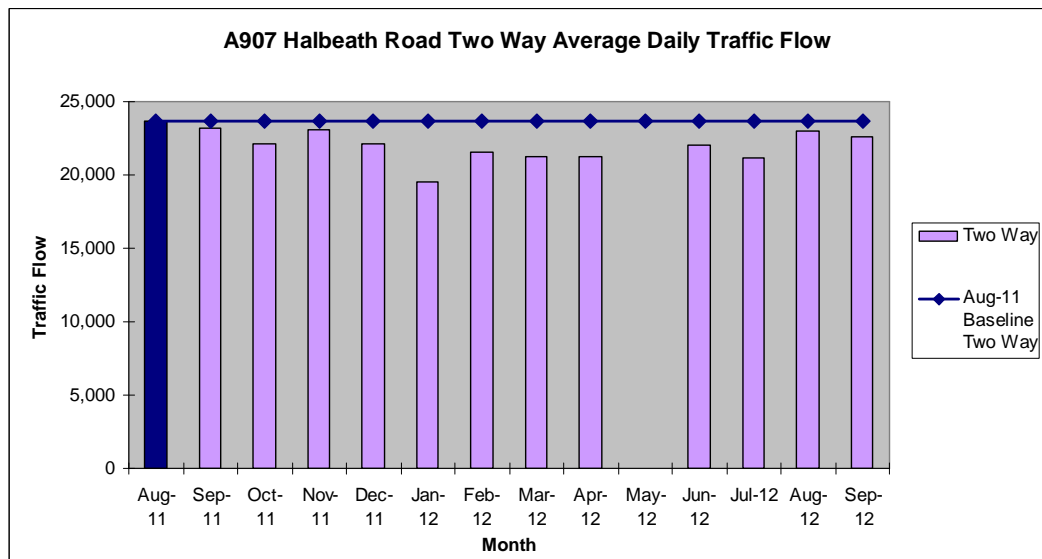


Figure 4-117 Monthly Two Way Daily Traffic Flows on the A907 Halbeath Road

4.7.2 Monthly Average AM Peak Traffic Flows

Table 4-44 Site: JTC00584 AM Peak Traffic Flows – August 2011 to September 2012

Counter	Location	Date	EB	WB	Two Way
JTC00584	A907 Halbeath Road	Aug-11	1,796	1,988	3,784
		Sep-11	1,882	2,064	3,946
		Oct-11	1,645	1,813	3,458
		Nov-11	1,526	1,596	3,123
		Dec-11	1,259	1,348	2,607
		Jan-12	1,304	1,337	2,642
		Feb-12	1,492	1,454	2,946
		Mar-12	1,490	1,480	2,970
		Apr-12	1,657	1,770	3,427
		May-12	No Data	No Data	No Data
		Jun-12	1,741	1,873	3,614
		Jul-12	1,868	1,841	3,709
		Aug-12	2,043	2,036	4,078
		Sep-12	1,975	1,996	3,971
		Annual Average	1,605	1,688	3,293

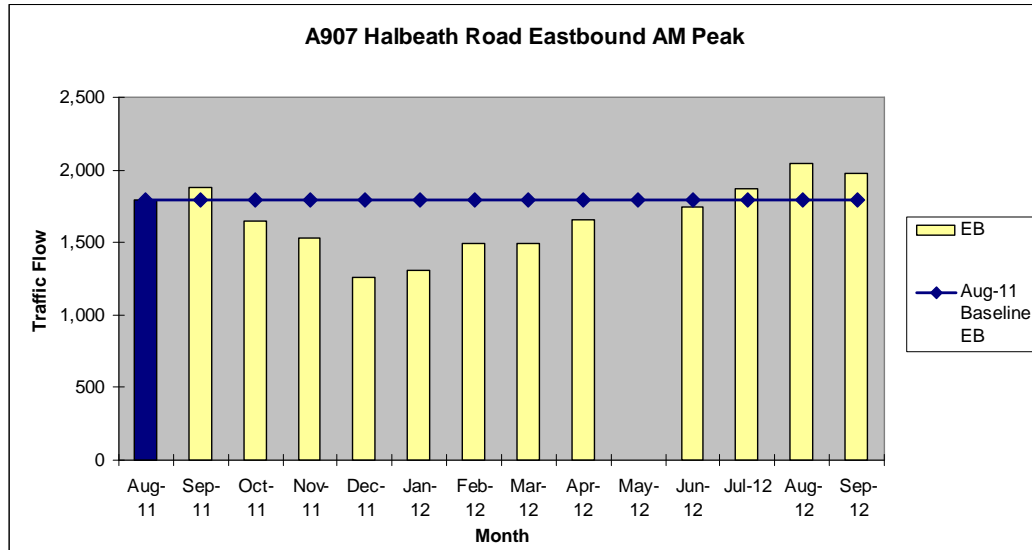


Figure 4-118 Monthly Eastbound AM Peak Flows on the A907 Halbeath Road

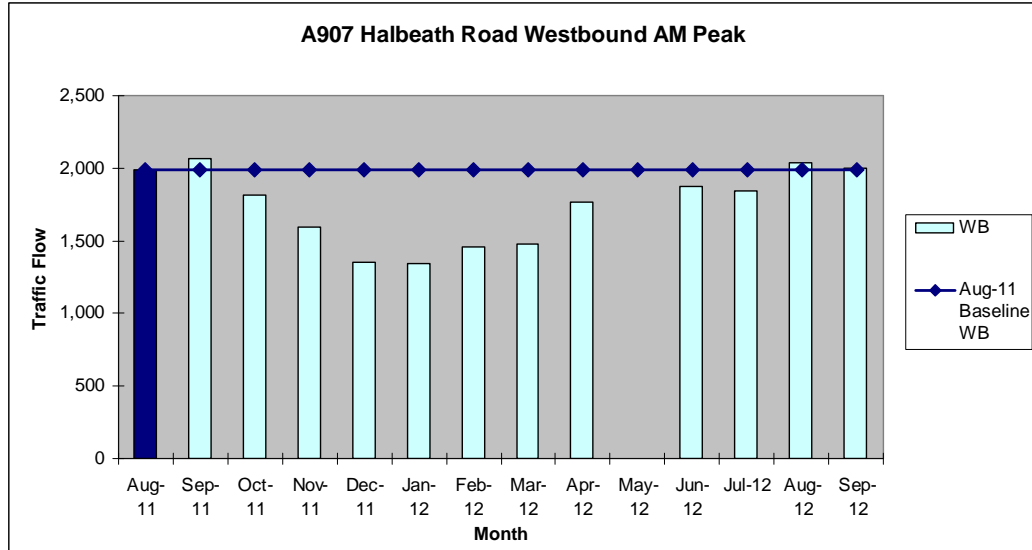


Figure 4-119 Monthly Westbound AM Peak Flows on the A907 Halbeath Road

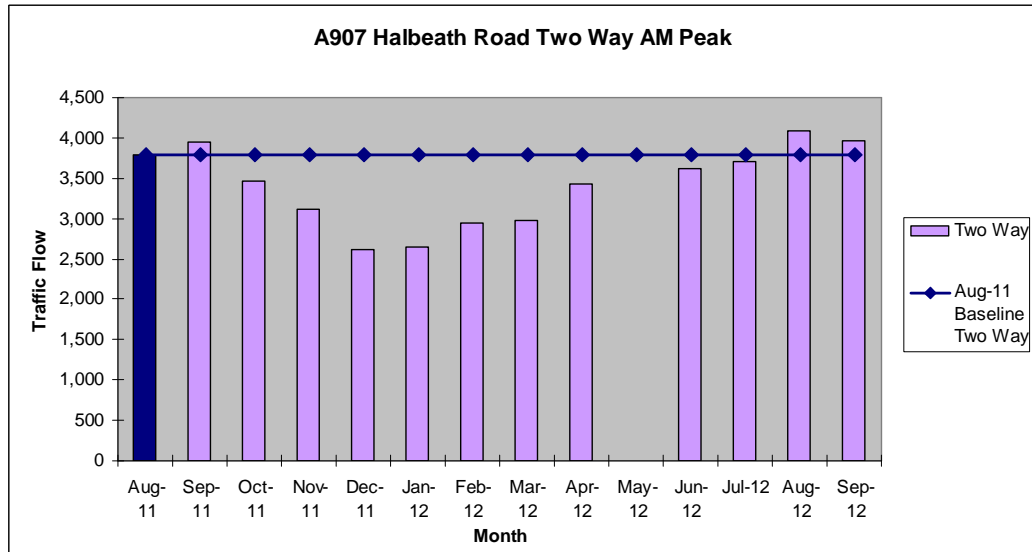


Figure 4-120 Monthly Two Way AM Peak Flows on the A907 Halbeath Road

4.7.3 Monthly Average PM Peak Traffic Flows

Table 4-45 Site: JTC00584 PM Peak Traffic Flows – August 2011 to September 2012

Counter	Location	Date	EB	WB	Two Way
JTC00584	A907 Halbeath Road	Aug-11	2,811	2,630	5,441
		Sep-11	2,762	2,624	5,386
		Oct-11	2,656	2,452	5,108
		Nov-11	2,940	2,635	5,576
		Dec-11	2,788	2,366	5,154
		Jan-12	2,467	2,195	4,662
		Feb-12	2,707	2,555	5,261
		Mar-12	2,641	2,535	5,176
		Apr-12	2,390	2,459	4,849
		May-12	No Data	No Data	No Data
		Jun-12	2,417	2,453	4,870
		Jul-12	1,496	1,480	2,976
		Aug-12	1,631	1,625	3,256
		Sep-12	1,599	1,592	3,190
		Annual Average	2,552	2,399	4,951

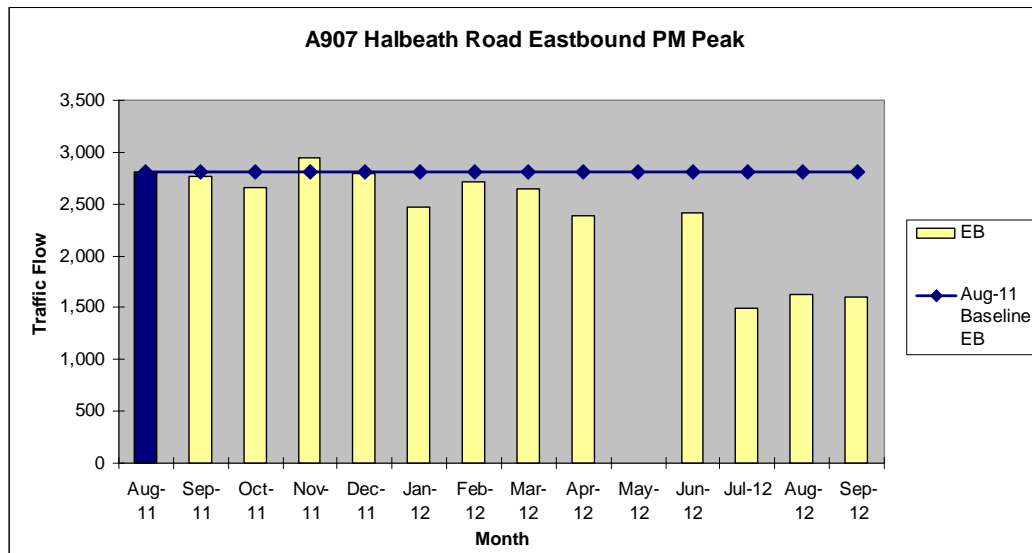


Figure 4-121 Monthly Eastbound PM Peak Flows on the A907 Halbeath Road

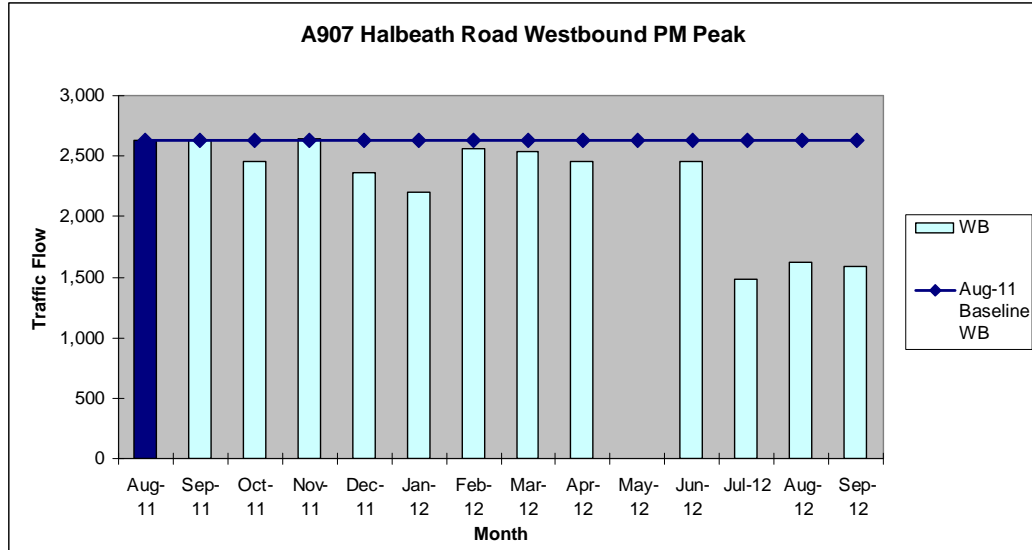


Figure 4-122 Monthly Westbound PM Peak Flows on the A907 Halbeath Road

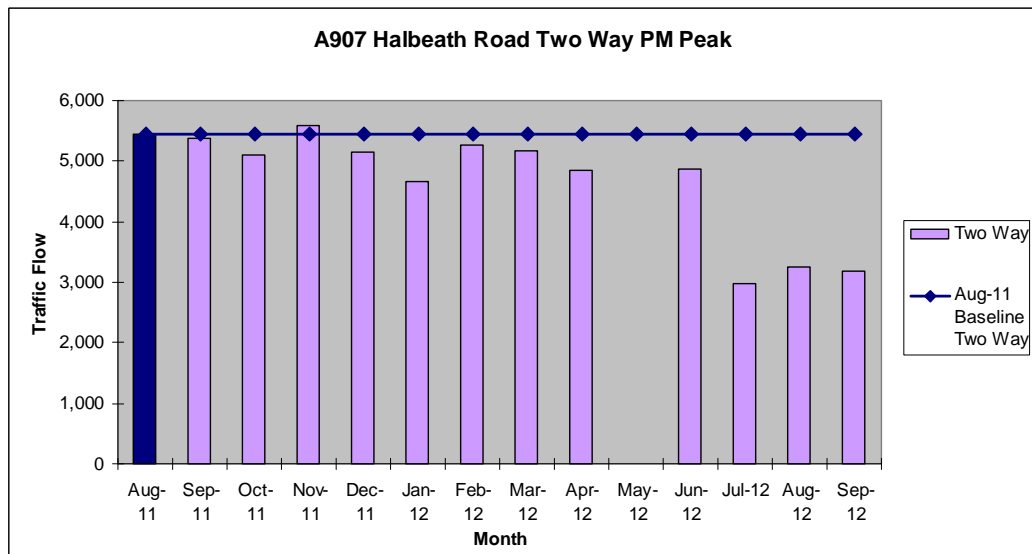


Figure 4-123 Monthly Two Way PM Peak Flows on the A907 Halbeath Road

4.7.4 Monthly Average HGV Flows

Table 4-46 Site: JTC00584 Annual HGV Traffic Flows – August 2011 to September 2012

Counter	Location	Date	EB	WB	Two Way
JTC00584	A907 Halbeath Road	Aug-11	139	129	268
		Sep-11	147	131	278
		Oct-11	136	125	261
		Nov-11	140	125	266
		Dec-11	131	115	247
		Jan-12	118	103	221
		Feb-12	140	121	261
		Mar-12	134	118	252
		Apr-12	112	153	265
		May-12	No Data	No Data	No Data
		Jun-12	134	121	254
		Jul-12	122	113	235
		Aug-12	124	115	239
		Sep-12	123	112	235
		Annual Average		132	123

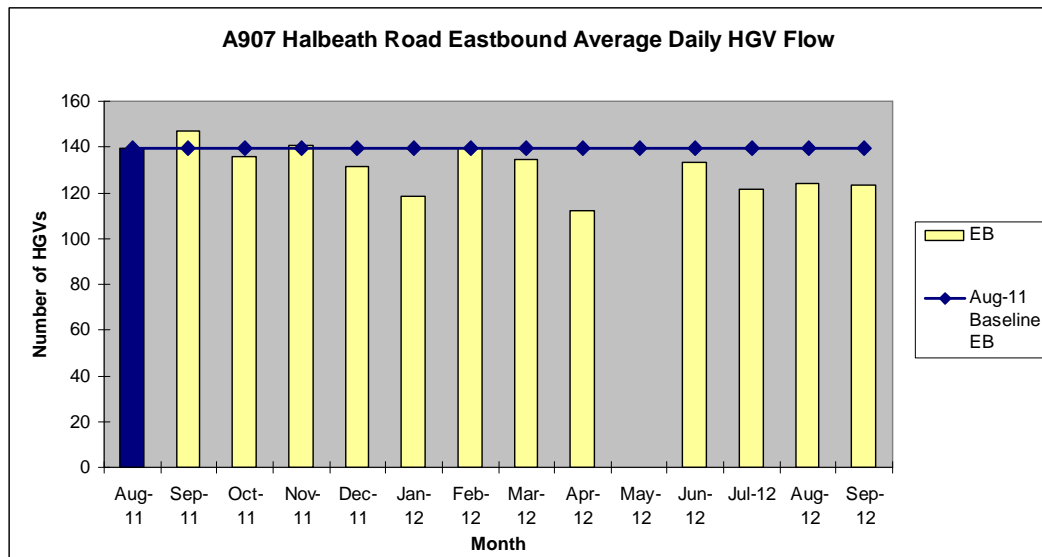


Figure 4-124 Monthly Eastbound HGV Flows on the A907 Halbeath Road

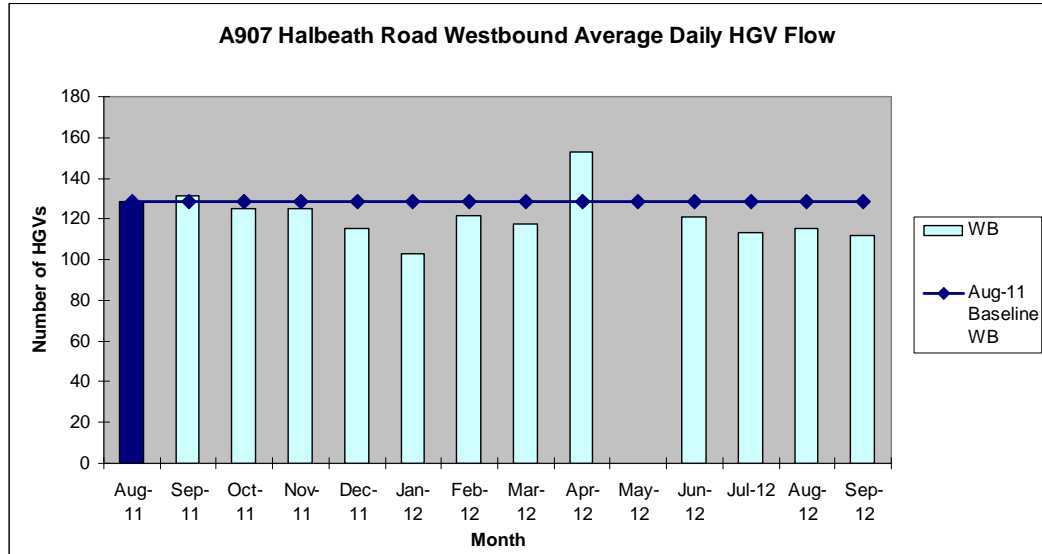


Figure 4-125 Monthly Westbound HGVS Flows on the A907 Halbeath Road

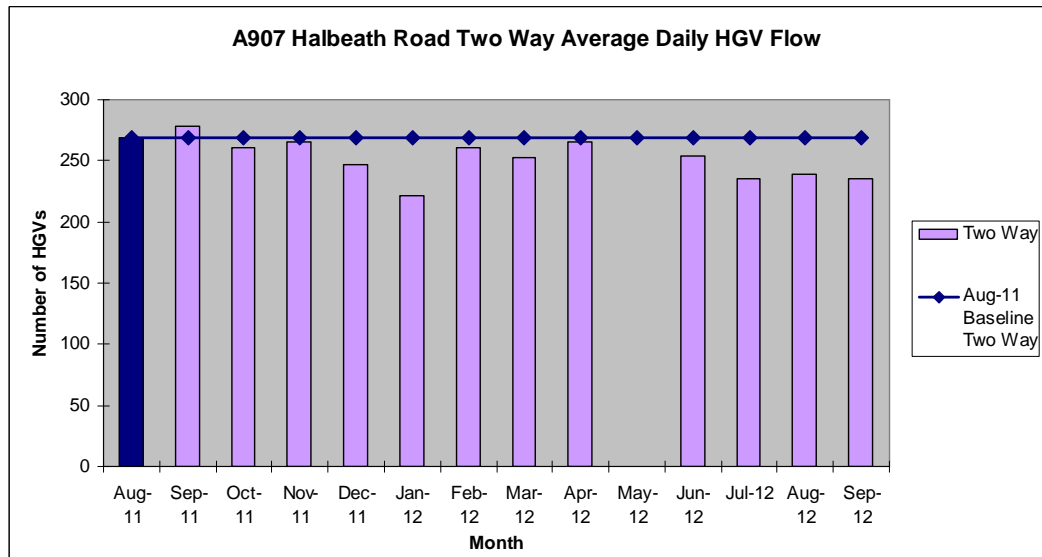


Figure 4-126 Monthly Two Way HGVS Flows on the A907 Halbeath Road

4.7.5 Monthly Average AM Peak HGV Flows

Table 4-47 Site: JTC00584 AM Peak HGV Traffic Flows – August 2011 to September 2012

Counter	Location	Date	EB	WB	Two Way
JTC00584	A907 Halbeath Road	Aug-11	24	27	51
		Sep-11	26	28	54
		Oct-11	23	24	47
		Nov-11	18	21	39
		Dec-11	17	19	36
		Jan-12	16	19	35
		Feb-12	19	21	41
		Mar-12	18	22	40
		Apr-12	21	29	50
		May-12	No Data	No Data	No Data
		Jun-12	26	25	51
		Jul-12	25	25	50
		Aug-12	26	25	50
		Sep-12	25	23	48
		Annual Average	21	24	45

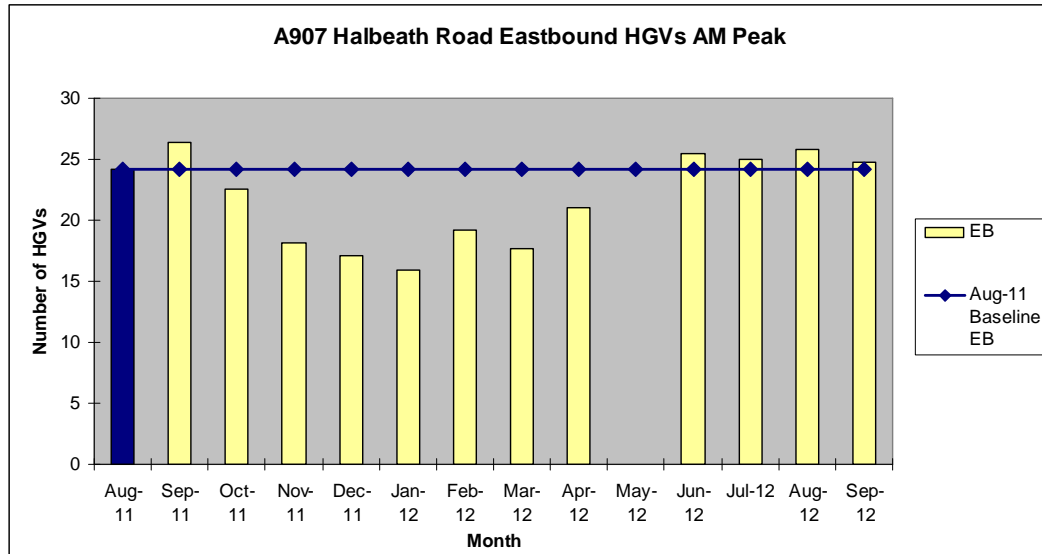


Figure 4-127 Monthly Eastbound AM Peak HGV Flows on the A907 Halbeath Road

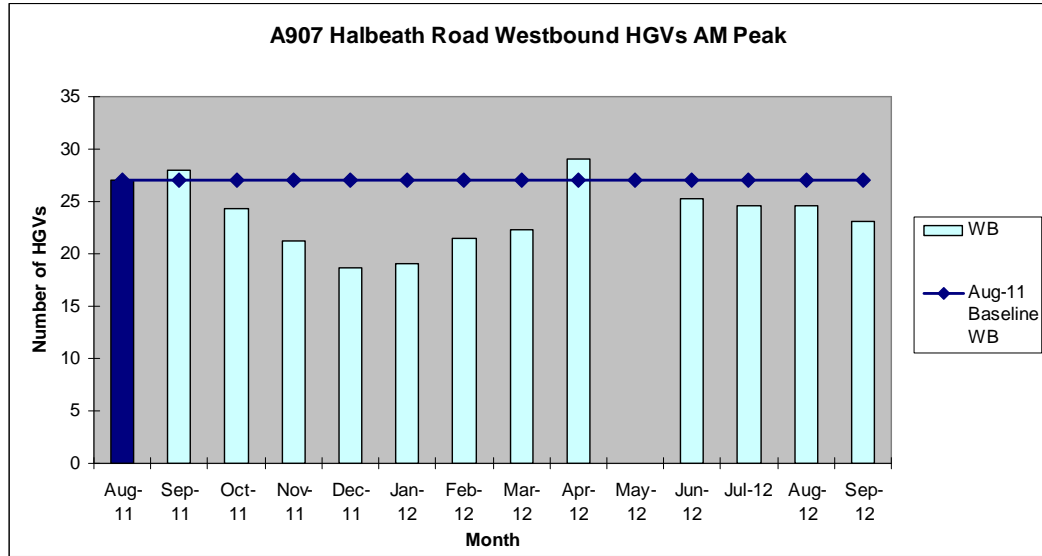


Figure 4-128 Monthly Westbound AM Peak HGV Flows on the A907 Halbeath Road

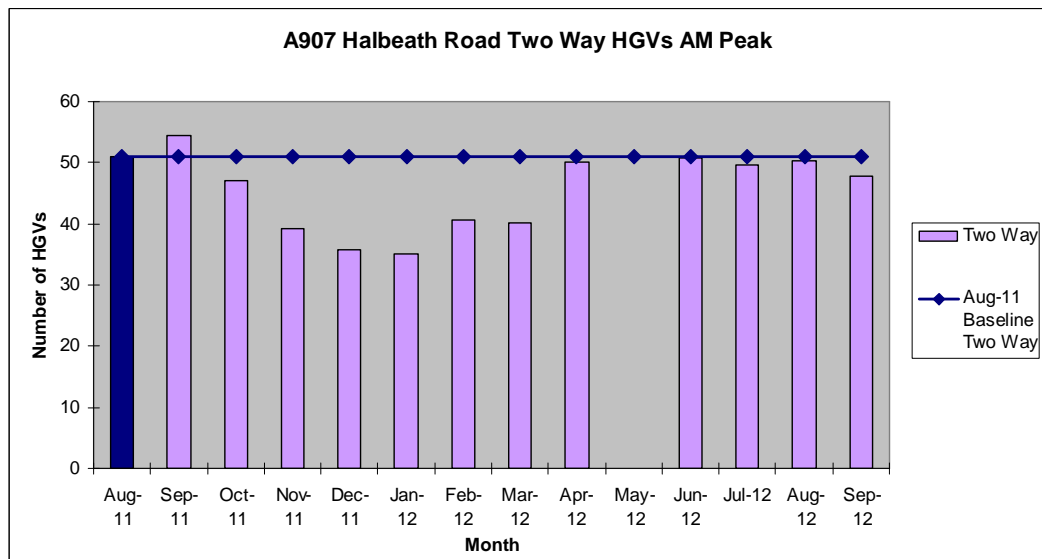


Figure 4-129 Monthly Two Way AM Peak HGV Flows on the A907 Halbeath Road

4.7.6 Monthly Average PM Peak HGV Flows

Table 4-48 Site: JTC00584 PM Peak HGV Traffic Flows – August 2011 to September 2012

Counter	Location	Date	EB	WB	Two Way
JTC00584	A907 Halbeath Road	Aug-11	27	22	49
		Sep-11	27	21	49
		Oct-11	27	21	48
		Nov-11	27	22	49
		Dec-11	25	21	46
		Jan-12	22	18	40
		Feb-12	26	22	49
		Mar-12	27	22	49
		Apr-12	24	32	56
		May-12	No Data	No Data	No Data
		Jun-12	25	16	41
		Jul-12	21	13	34
		Aug-12	21	14	34
		Sep-12	20	13	33
		Annual Average	25	21	46

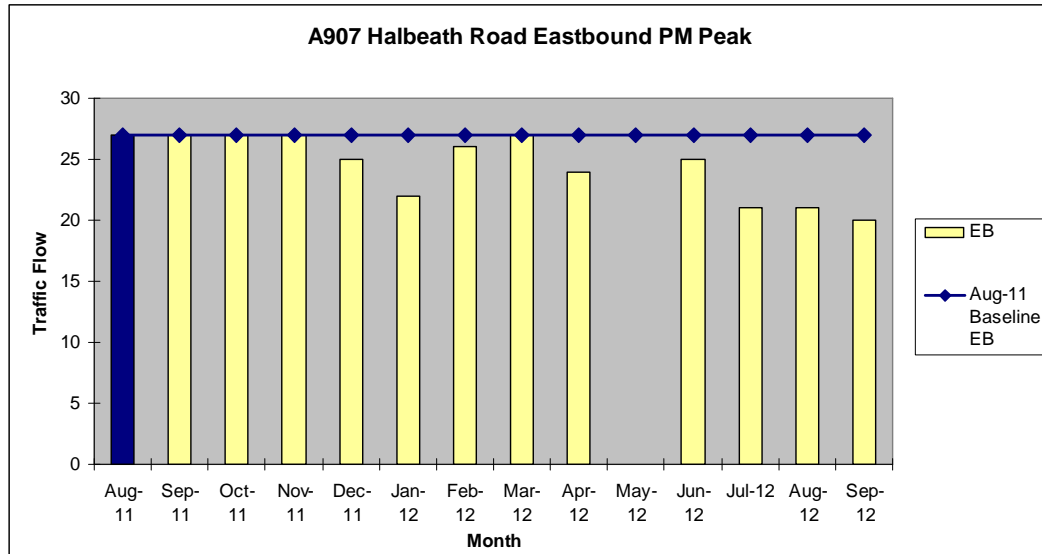


Figure 4-130 Monthly Eastbound PM HGV Peak Flows on the A907 Halbeath Road

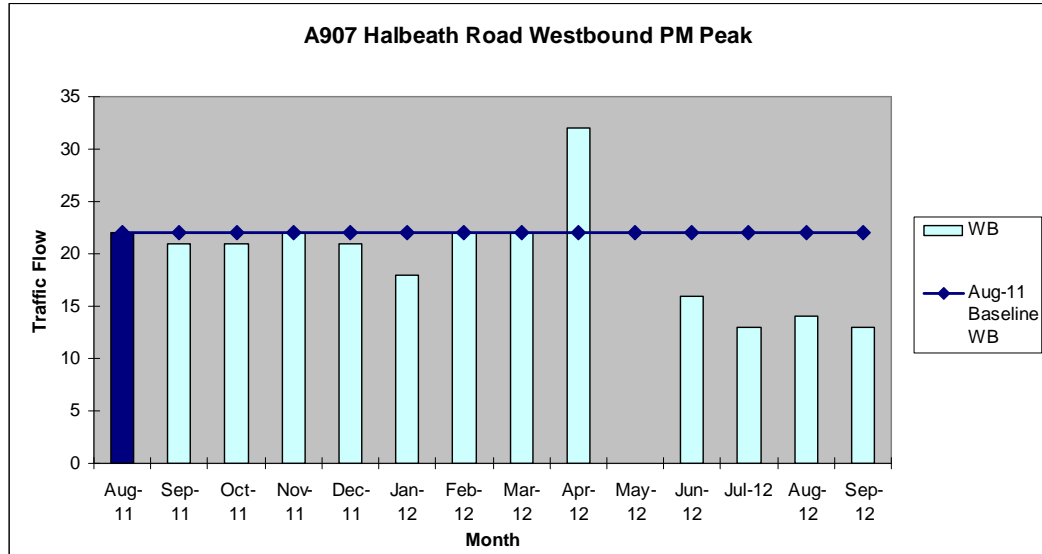


Figure 4-131 Monthly Westbound PM Peak HGV Flows on the A907 Halbeath Road

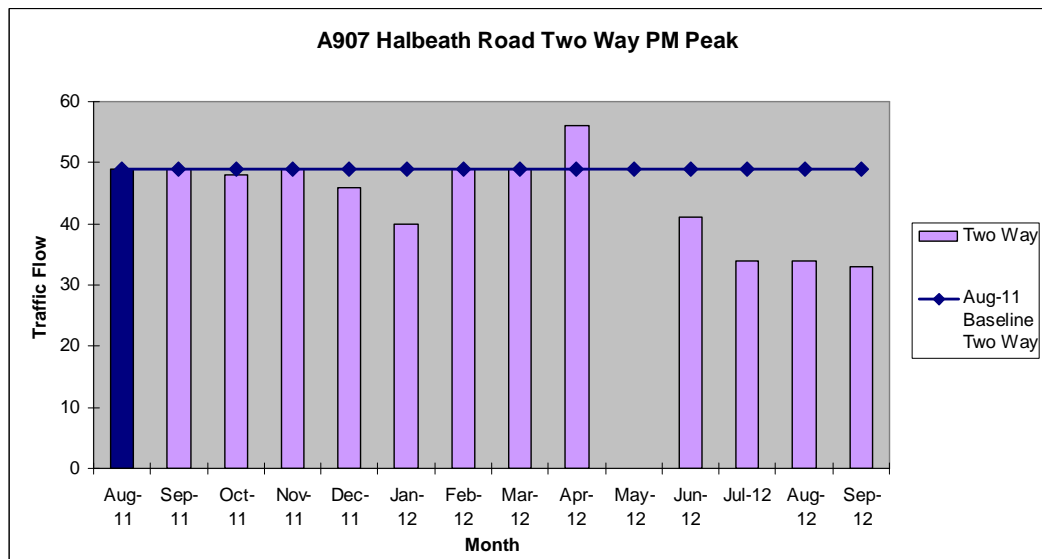


Figure 4-132 Monthly Two Way PM Peak HGV Flows on the A907 Halbeath Road

4.7.7 Monthly Average All Vehicles Traffic Speeds

Table 4-49 Site: JTC00584 Average Monthly Traffic Speeds (KPH) (All Vehicles) – August 2011 to September 2012

Counter	Location	Date	EB	WB
JTC00584	A907 Halbeath Road	Aug-11	52	55
		Sep-11	52	55
		Oct-11	52	54
		Nov-11	51	53
		Dec-11	51	52
		Jan-12	51	53
		Feb-12	51	53
		Mar-12	52	53
		Apr-12	No Data	No Data
		May-12	No Data	No Data
		Jun-12	51	55
		Jul-12	52	55
		Aug-12	52	55
		Sep-12	52	55

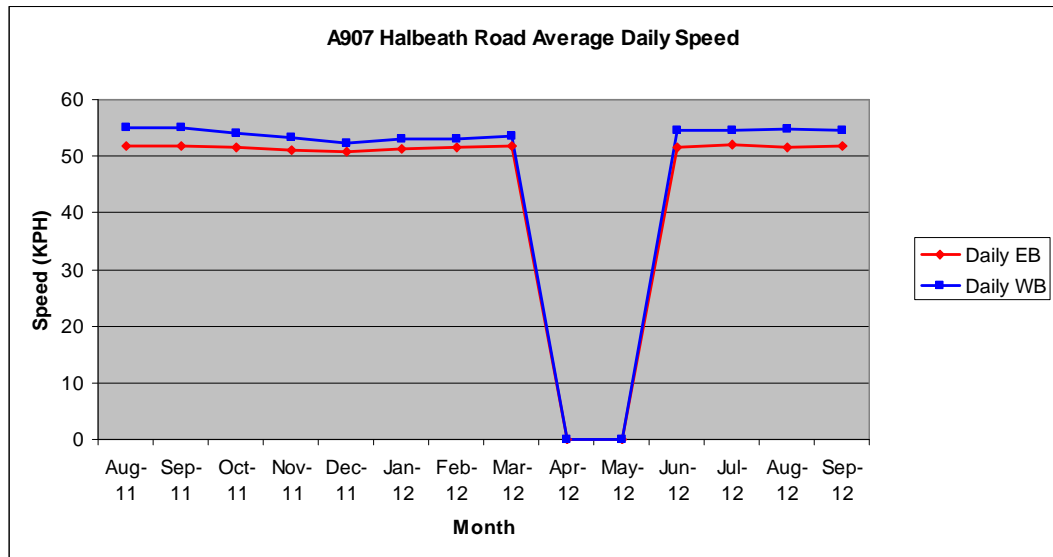


Figure 4-133 Average Monthly Traffic Speeds (KPH) on the A907 Halbeath Road

4.8 Traffic Counter JTC00598 – B800 Ferry Muir Road

4.8.1 Monthly Average Traffic Flows

Table 3-50 Site: JTC00598 Annual Traffic Flows – August 2011 to September 2012

Counter	Location	Date	EB	WB	Two Way
JTC00598	B800 Ferry Muir Road	Aug-11	7,532	7,299	14,830
		Sep-11	7,270	7,056	14,326
		Oct-11	7,429	6,701	14,130
		Nov-11	7,198	6,928	14,126
		Dec-11	No Data	No Data	No Data
		Jan-12	6,348	6,163	12,512
		Feb-12	7,106	6,830	13,936
		Mar-12	7,370	7,110	14,480
		Apr-12	7,081	6,840	13,921
		May-12	7,467	7,123	14,590
		Jun-12	7,535	7,200	14,735
		Jul-12	7,245	6,861	14,106
		Aug-12	7,865	7,408	15,274
		Sep-12	7,506	7,172	14,678
		Annual Average	7,235	6,919	14,154

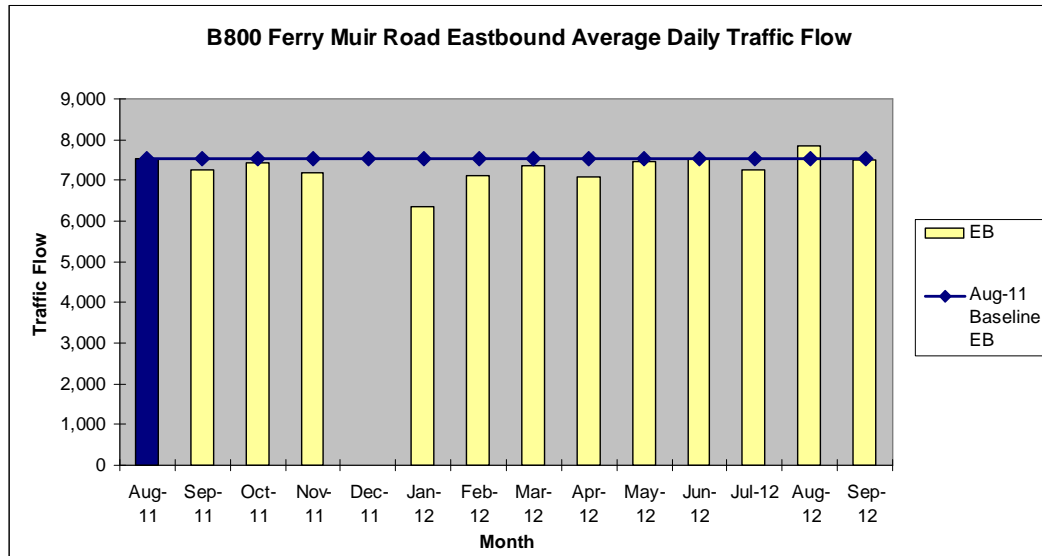


Figure 4-134 Monthly Eastbound AADTs on the B800 Ferry Muir Road

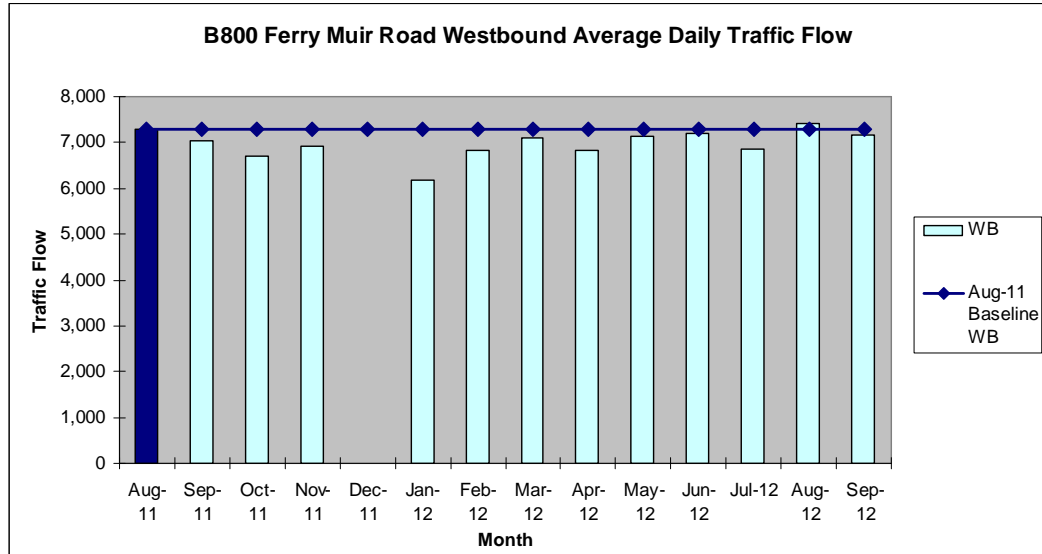


Figure 4-135 Monthly Westbound AADTs on the B800 Ferry Muir Road

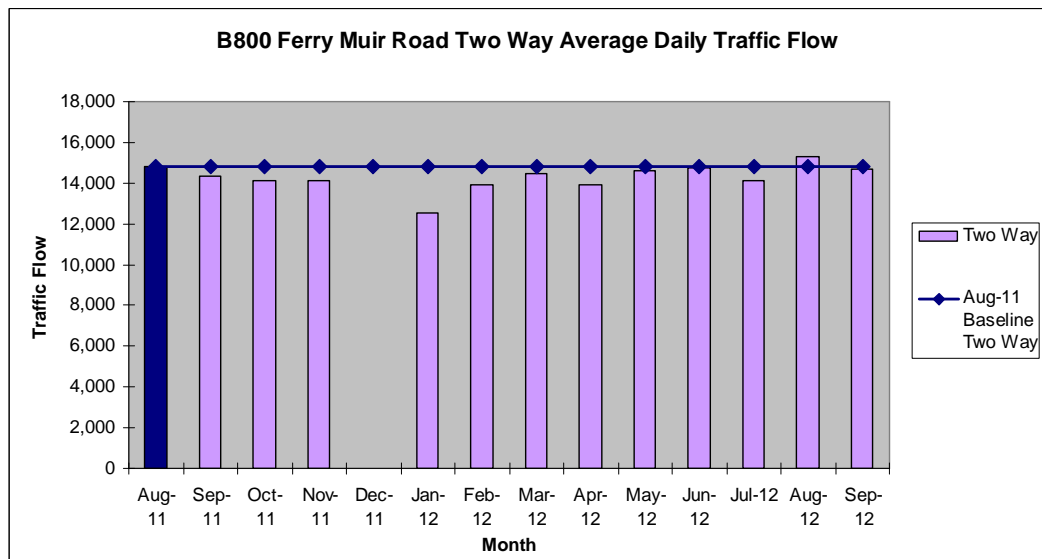


Figure 4-136 Monthly Two Way Daily Traffic Flows on the B800 Ferry Muir Road

4.8.2 Monthly Average AM Peak Traffic Flows

Table 4-51 Site: JTC00598 AM Peak Traffic Flows – August 2011 to September 2012

Counter	Location	Date	EB	WB	Two Way
JTC00598	B800 Ferry Muir Road	Aug-11	1,335	1,006	2,341
		Sep-11	1,390	1,052	2,443
		Oct-11	1,341	940	2,281
		Nov-11	1,274	859	2,134
		Dec-11	No Data	No Data	No Data
		Jan-12	997	706	1,703
		Feb-12	1,157	855	2,012
		Mar-12	1,244	936	2,180
		Apr-12	1,249	946	2,194
		May-12	1,416	1,067	2,483
		Jun-12	1,424	1,013	2,437
		Jul-12	1,212	932	2,144
		Aug-12	1,376	1,064	2,440
		Sep-12	1,343	1,048	2,391
		Annual Average	1,276	938	2,214

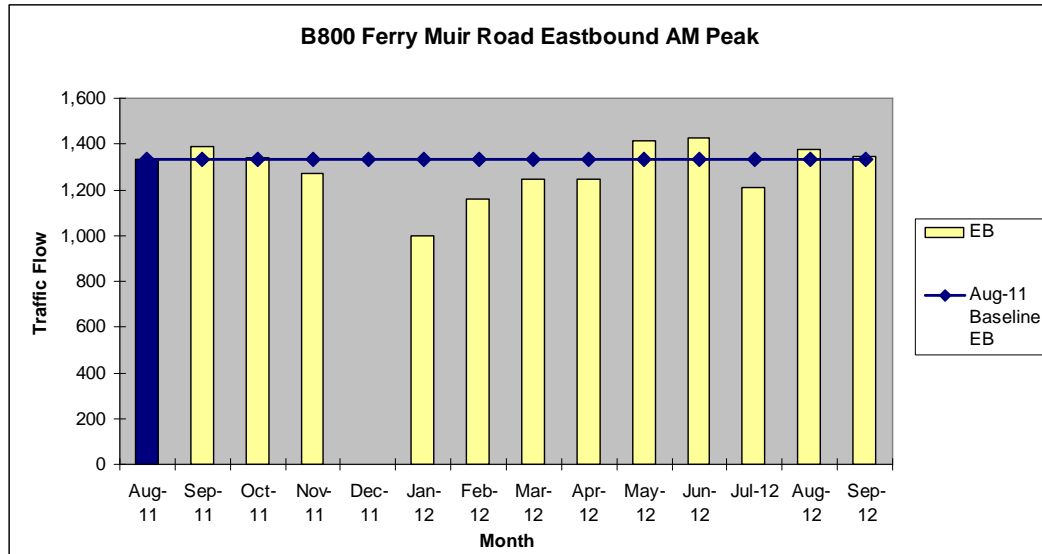


Figure 4-137 Monthly Eastbound AM Peak Flows on the B800 Ferry Muir Road

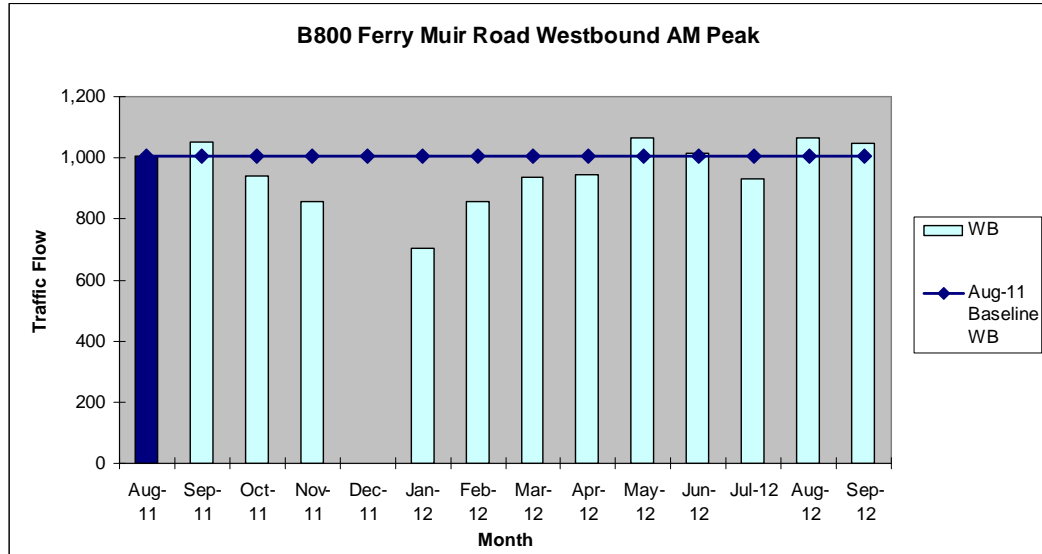


Figure 4-138 Monthly Westbound AM Peak Flows on the B800 Ferry Muir Road

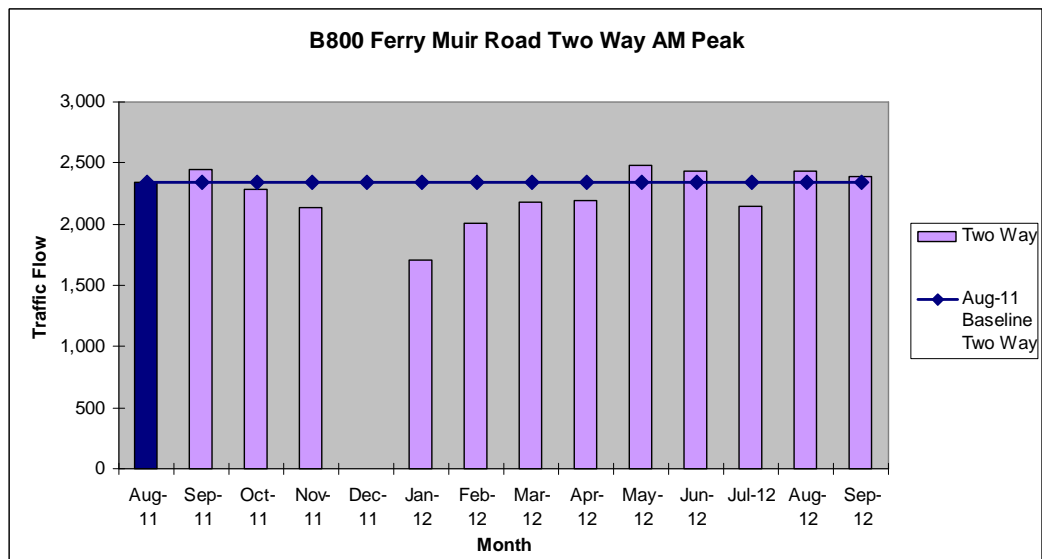


Figure 4-139 Monthly Two Way AM Peak Flows on the B800 Ferry Muir Road

4.8.3 Monthly Average PM Peak Traffic Flows

Table 4-52 Site: JTC00598 PM Peak Traffic Flows – August 2011 to September 2012

Counter	Location	Date	EB	WB	Two Way
JTC00598	B800 Ferry Muir Road	Aug-11	1,637	1,898	3,535
		Sep-11	1,590	1,820	3,410
		Oct-11	1,621	1,740	3,361
		Nov-11	1,577	1,766	3,343
		Dec-11	No Data	No Data	No Data
		Jan-12	1,535	1,718	3,254
		Feb-12	1,619	1,768	3,387
		Mar-12	1,669	1,775	3,444
		Apr-12	1,589	1,742	3,331
		May-12	1,650	1,726	3,376
		Jun-12	1,573	1,765	3,338
		Jul-12	1,605	1,685	3,290
		Aug-12	1,756	1,806	3,562
		Sep-12	1,699	1,787	3,486
			Annual Average	1,606	1,764

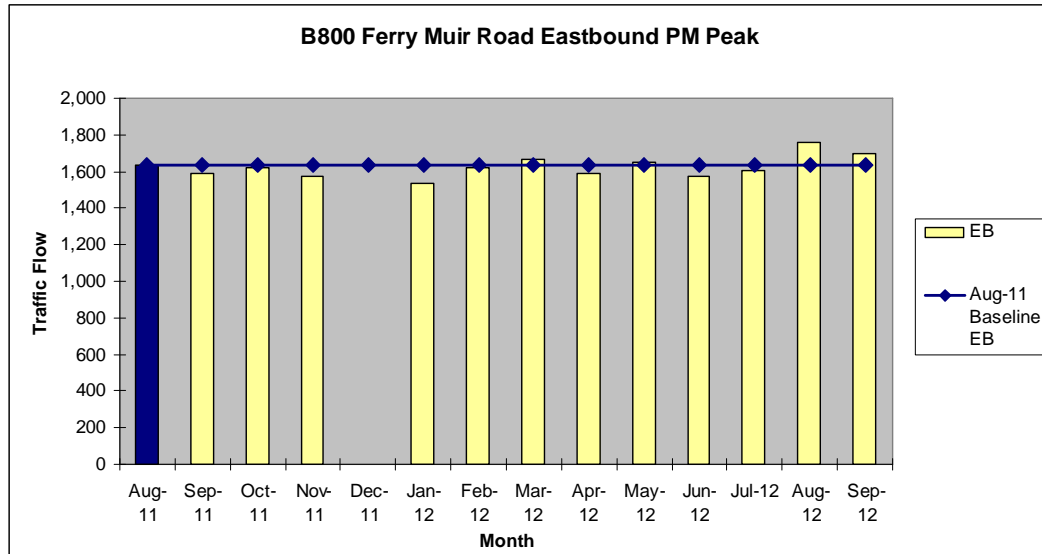


Figure 4-140 Monthly Eastbound PM Peak Flows on the B800 Ferry Muir Road

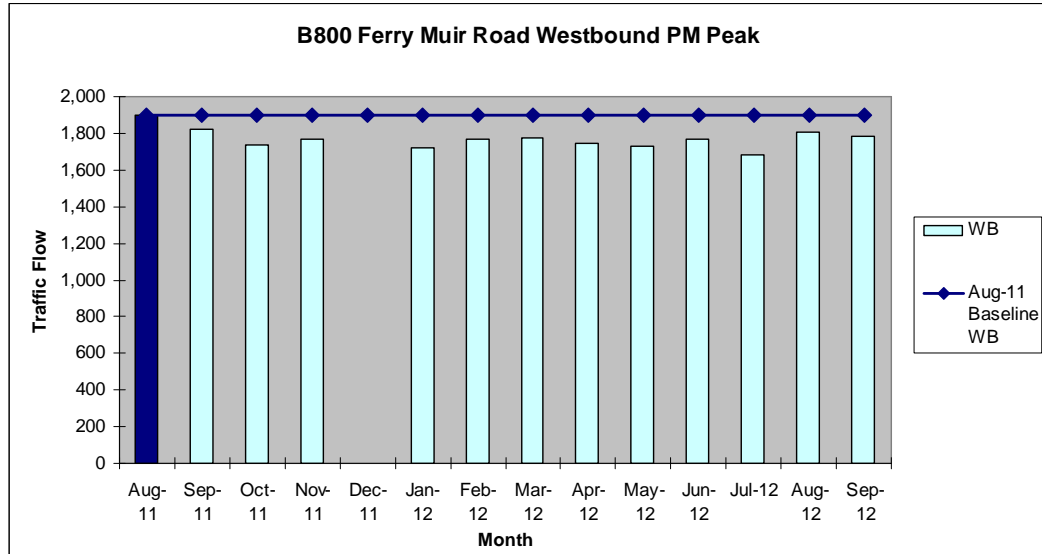


Figure 4-141 Monthly Westbound PM Peak Flows on the B800 Ferry Muir Road

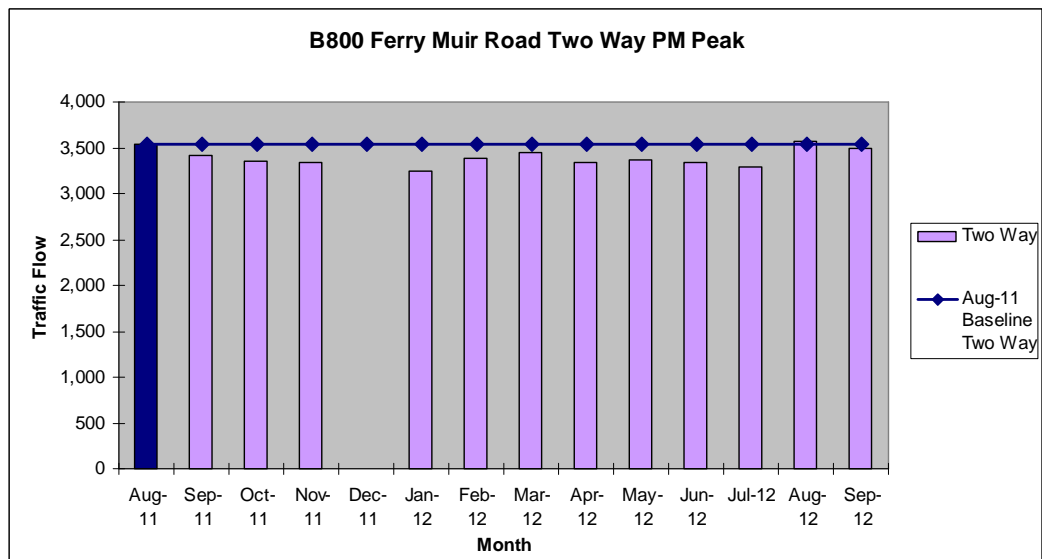


Figure 4-142 Monthly Two Way PM Peak Flows on the B800 Ferry Muir Road

4.8.4 Monthly Average HGVS Flows

Table 4-53 Site: JTC00598 Annual HGVS Traffic Flows – August 2011 to September 2012

Counter	Location	Date	EB	WB	Two Way
JTC00598	B800 Ferry Muir Road	Aug-11	100	119	219
		Sep-11	89	111	200
		Oct-11	131	106	237
		Nov-11	95	98	193
		Dec-11	No Data	No Data	No Data
		Jan-12	82	100	182
		Feb-12	122	133	256
		Mar-12	128	143	271
		Apr-12	113	138	251
		May-12	124	147	272
		Jun-12	127	147	274
		Jul-12	118	141	259
		Aug-12	131	143	274
		Sep-12	119	135	254
				Annual Average	112

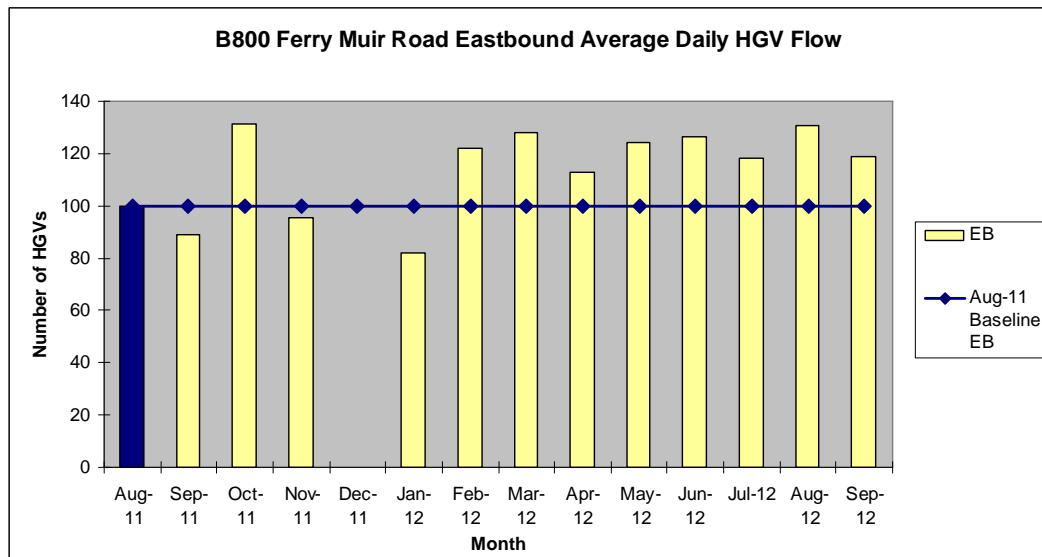


Figure 4-143 Monthly Eastbound HGVS Flows on the B800 Ferry Muir Road

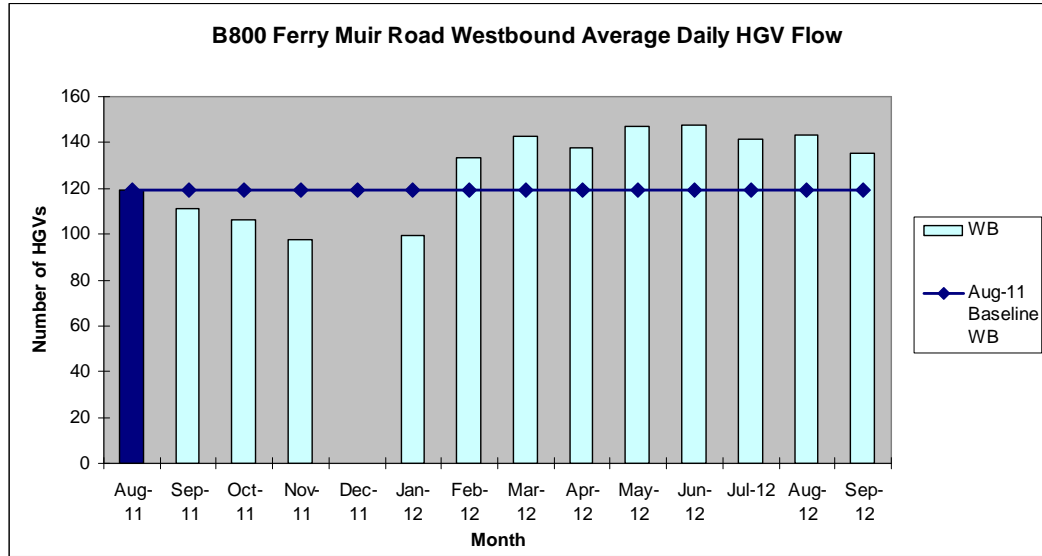


Figure 4-144 Monthly Westbound HGVS Flows on the B800 Ferry Muir Road

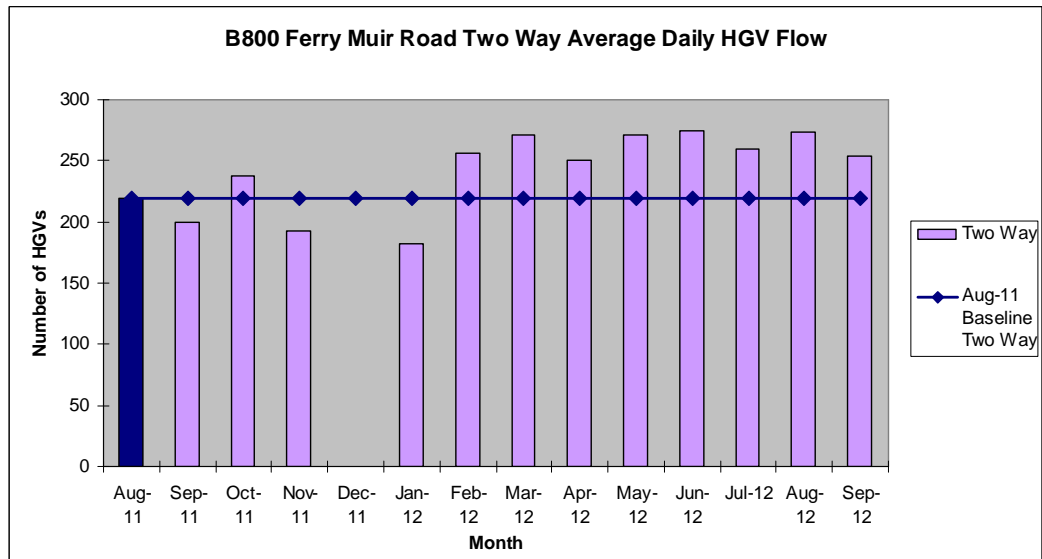


Figure 4-145 Monthly Two Way HGVS Flows on the B800 Ferry Muir Road

4.8.5 Monthly Average AM Peak HGV Flows

Table 4-54 Site: JTC00598 AM Peak HGV Traffic Flows – August 2011 to September 2012

Counter	Location	Date	EB	WB	Two Way
JTC00598	B800 Ferry Muir Road	Aug-11	22	21	42
		Sep-11	20	19	39
		Oct-11	25	17	42
		Nov-11	14	14	28
		Dec-11	No Data	No Data	No Data
		Jan-12	12	13	25
		Feb-12	20	19	39
		Mar-12	21	21	42
		Apr-12	21	23	44
		May-12	26	26	52
		Jun-12	26	27	53
		Jul-12	23	24	47
		Aug-12	25	23	49
		Sep-12	22	23	45
		Annual Average	21	20	41

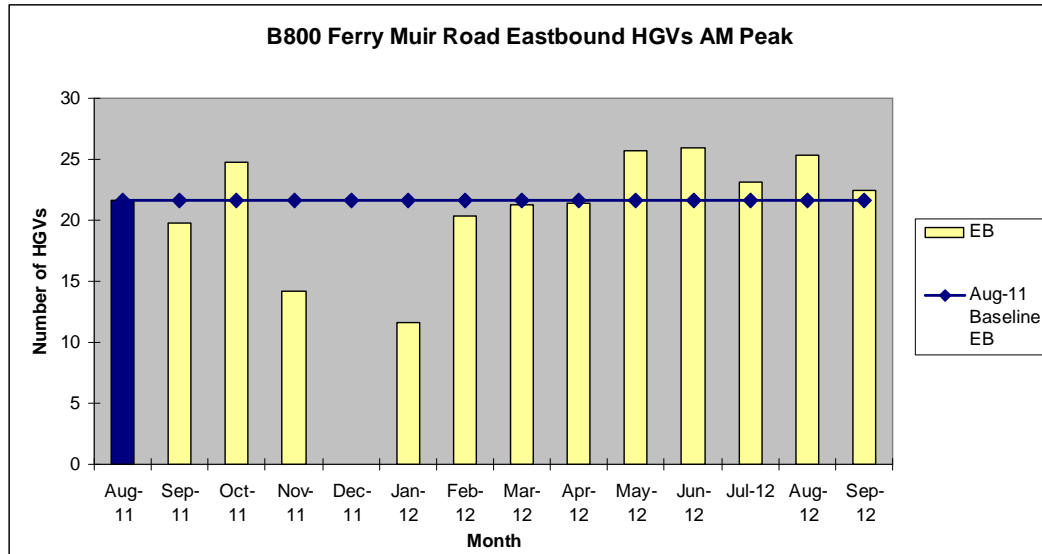


Figure 4-146 Monthly Eastbound AM Peak HGV Flows on the B800 Ferry Muir Road

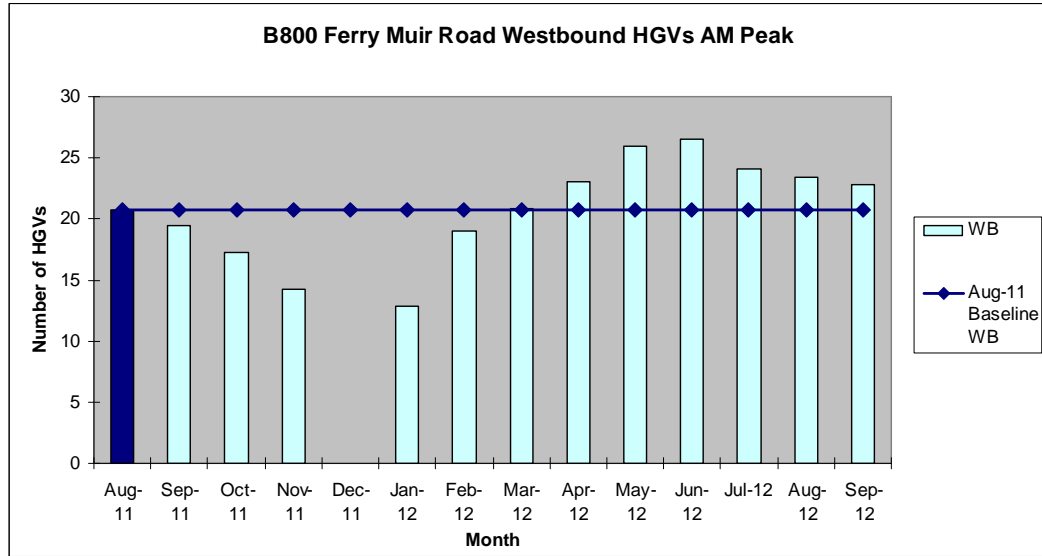


Figure 4-147 Monthly Westbound AM Peak HGV Flows on the B800 Ferry Muir Road

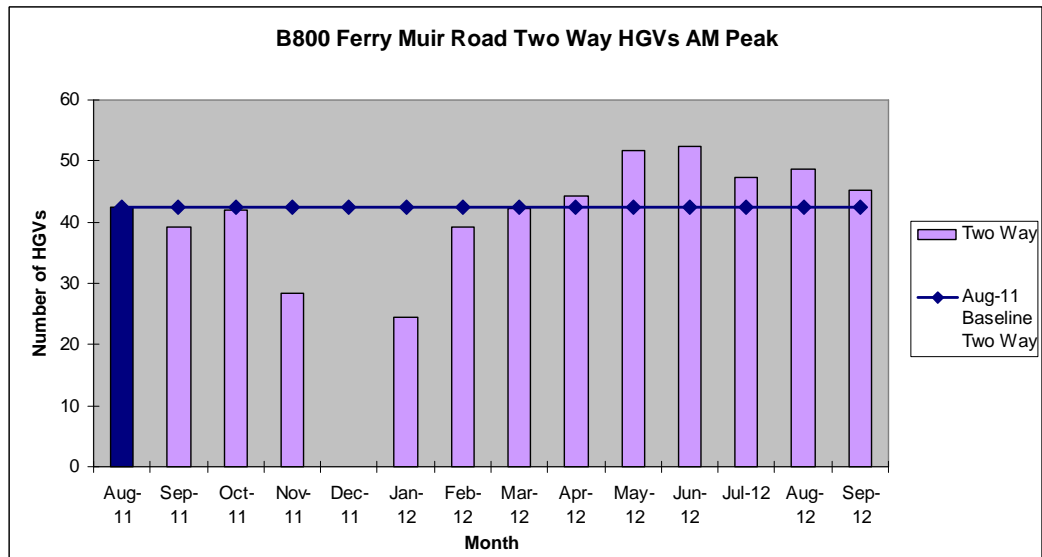


Figure 4-148 Monthly Two Way AM Peak HGV Flows on the B800 Ferry Muir Road

4.8.6 Monthly Average PM Peak HGV Flows

Table 4-55 Site: JTC00598 PM Peak HGV Traffic Flows – August 2011 to September 2012

Counter	Location	Date	EB	WB	Two Way
JTC00598	B800 Ferry Muir Road	Aug-11	17	23	40
		Sep-11	15	20	35
		Oct-11	22	19	41
		Nov-11	17	16	33
		Dec-11	No Data	No Data	No Data
		Jan-12	16	19	35
		Feb-12	20	21	42
		Mar-12	21	25	46
		Apr-12	18	25	43
		May-12	19	25	44
		Jun-12	20	27	48
		Jul-12	19	27	45
		Aug-12	21	26	47
		Sep-12	19	24	43
	Annual Average	19	22	41	

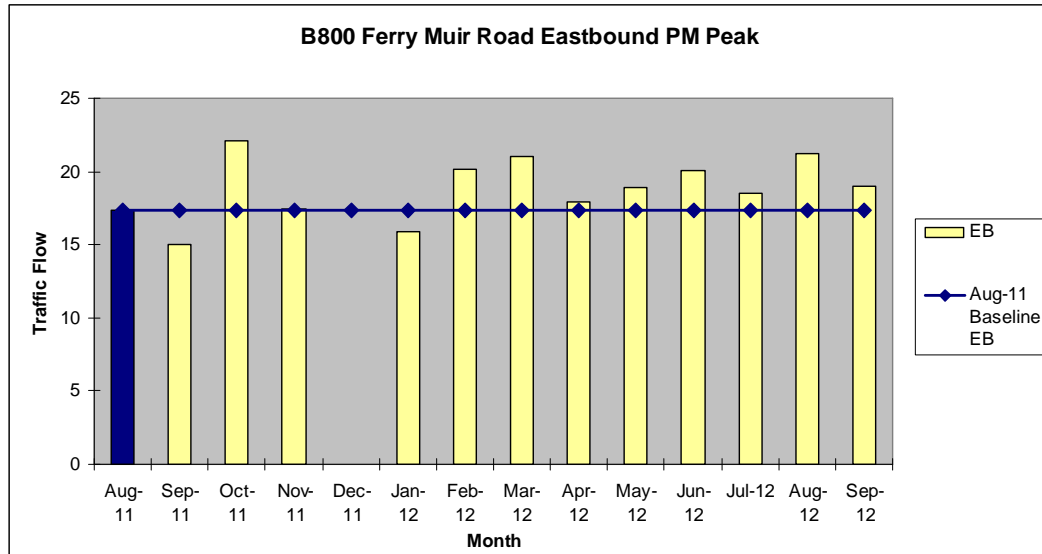


Figure 4-149 Monthly Eastbound PM HGV Peak Flows on the B800 Ferry Muir Road

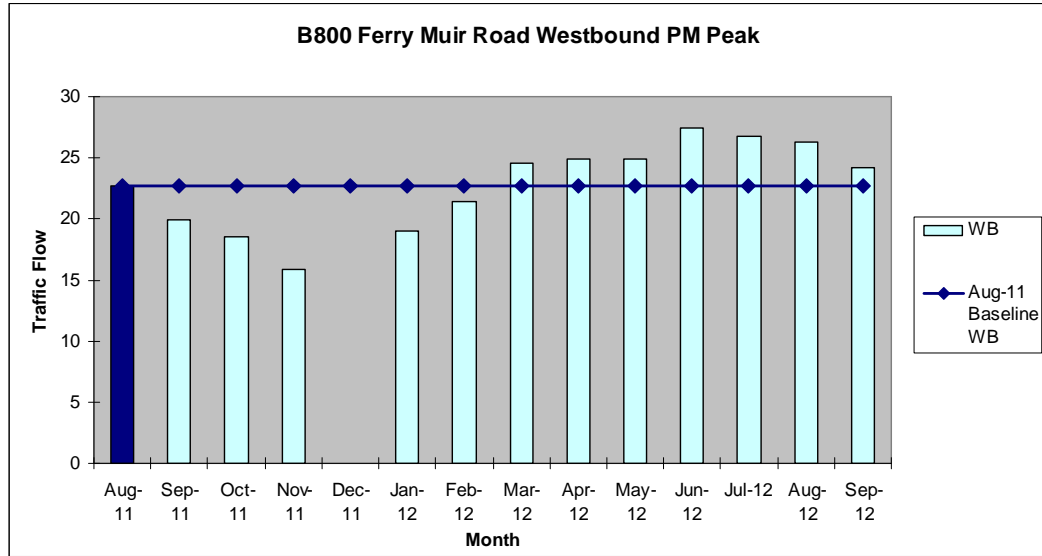


Figure 4-150 Monthly Westbound PM Peak HGV Flows on the B800 Ferry Muir Road

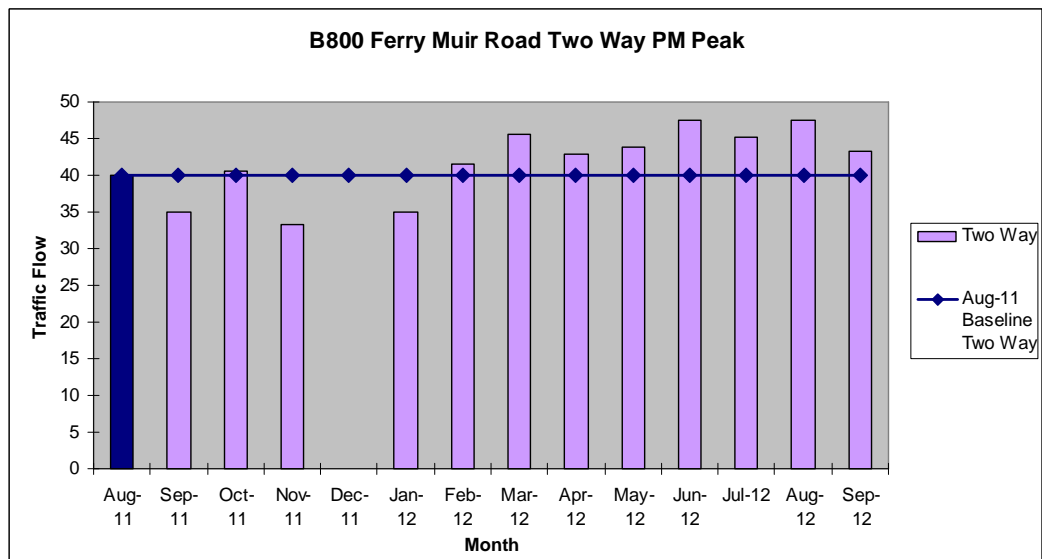


Figure 4-151 Monthly Two Way PM Peak HGV Flows on the B800 Ferry Muir Road

4.8.7 Monthly Average All Vehicles Traffic Speeds

Table 4-56 Site: JTC00598 Average Monthly Traffic Speeds (KPH) (All Vehicles) – August 2011 to September 2012

Counter	Location	Date	EB	WB
JTC00598	B800 Ferry Muir Road	Aug-11	56	49
		Sep-11	57	49
		Oct-11	56	50
		Nov-11	56	49
		Dec-11	No Data	No Data
		Jan-12	52	46
		Feb-12	56	50
		Mar-12	56	49
		Apr-12	56	50
		May-12	56	50
		Jun-12	56	49
		Jul-12	56	49
		Aug-12	56	49
Sep-12	56	49		

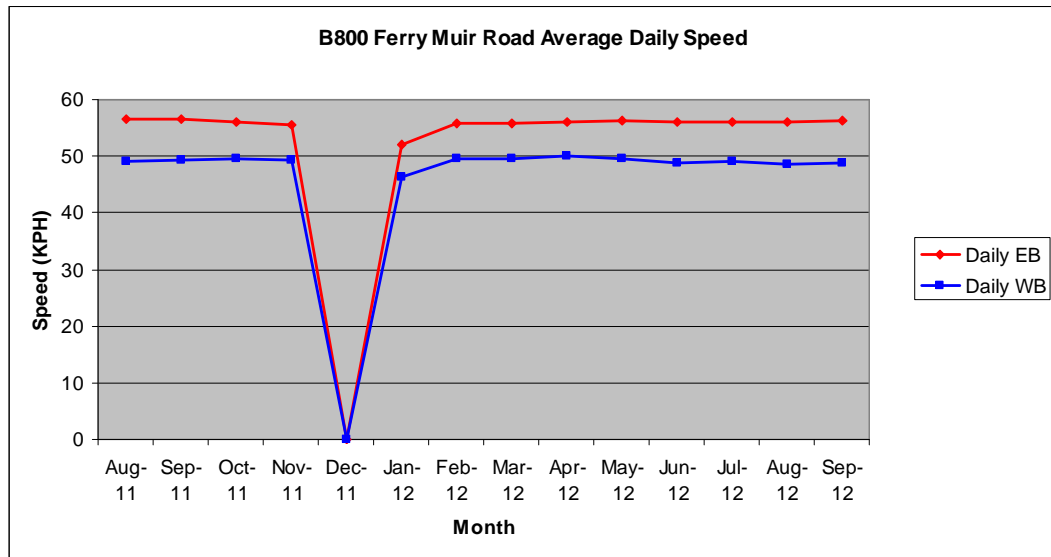


Figure 4-152 Average Monthly Traffic Speeds (KPH) on the B800 Ferry Muir Road

4.9 Traffic Counter JTC00602 – A89

4.9.1 Monthly Average Traffic Flows

Table 3-57 Site: JTC00602 Annual Traffic Flows – August 2011 to September 2012

Counter	Location	Date	EB	WB	Two Way
JTC00602	A89	Aug-11	8,332	8,102	16,434
		Sep-11	8,528	8,250	16,778
		Oct-11	7,871	7,553	15,423
		Nov-11	8,059	7,867	15,925
		Dec-11	No Data	No Data	No Data
		Jan-12	8,026	7,814	15,840
		Feb-12	8,214	8,033	16,248
		Mar-12	7,807	7,522	15,330
		Apr-12	8,065	7,885	15,950
		May-12	8,361	8,141	16,502
		Jun-12	8,193	7,987	16,180
		Jul-12	7,804	7,649	15,453
		Aug-12	8,252	8,209	16,461
		Sep-12	8,103	7,966	16,069
			Annual Average	8,114	7,891

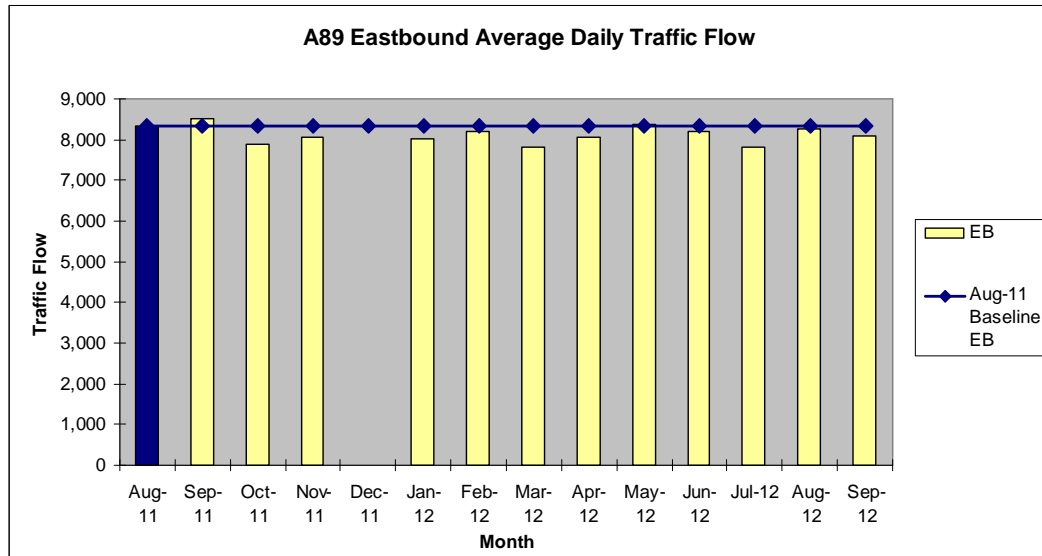


Figure 4-153 Monthly Eastbound AADTs on the A89

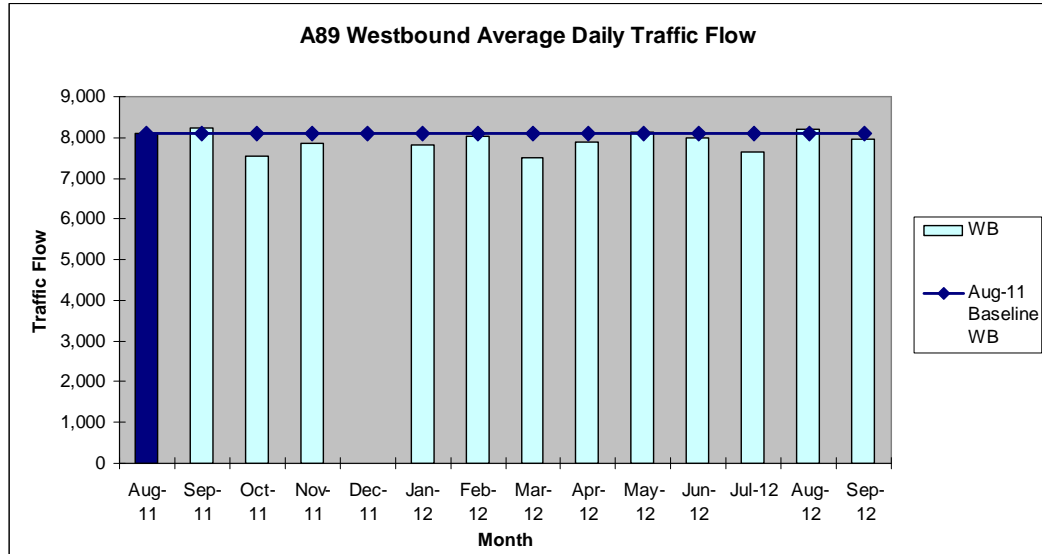


Figure 4-154 Monthly Westbound AADTs on the A89

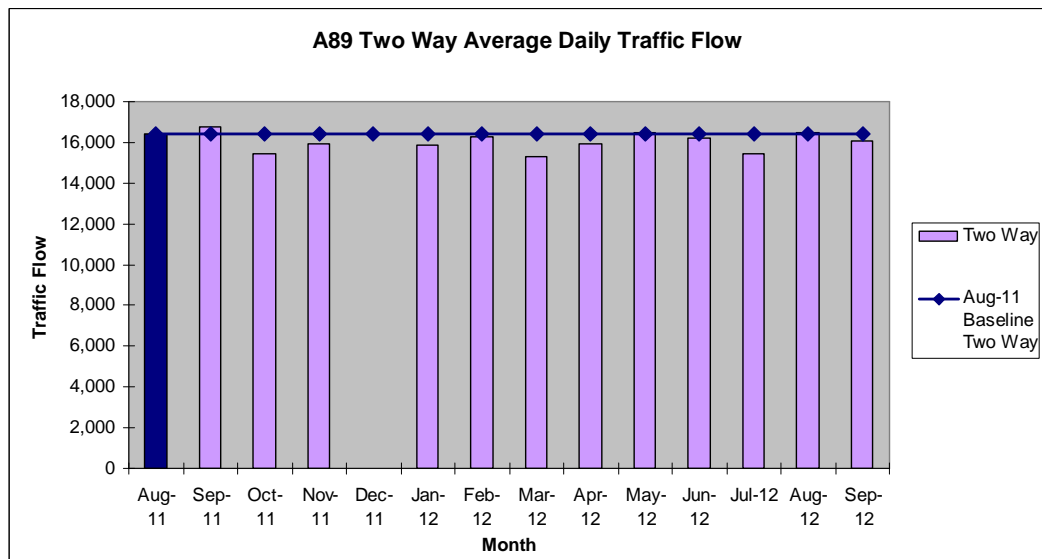


Figure 4-155 Monthly Two Way Daily Traffic Flows on the A89

4.9.2 Monthly Average AM Peak Traffic Flows

Table 4-58 Site: JTC00602 AM Peak Traffic Flows – August 2011 to September 2012

Counter	Location	Date	EB	WB	Two Way
JTC00602	A89	Aug-11	1,910	1,271	3,181
		Sep-11	2,130	1,365	3,494
		Oct-11	1,883	1,203	3,086
		Nov-11	1,824	1,093	2,917
		Dec-11	No Data	No Data	No Data
		Jan-12	1,905	1,124	3,029
		Feb-12	1,915	1,155	3,071
		Mar-12	1,881	1,160	3,041
		Apr-12	1,888	1,249	3,137
		May-12	2,086	1,358	3,444
		Jun-12	1,959	1,237	3,196
		Jul-12	1,758	1,146	2,904
		Aug-12	1,948	1,254	3,202
		Sep-12	1,959	1,232	3,191
		Annual Average	1,922	1,215	3,136

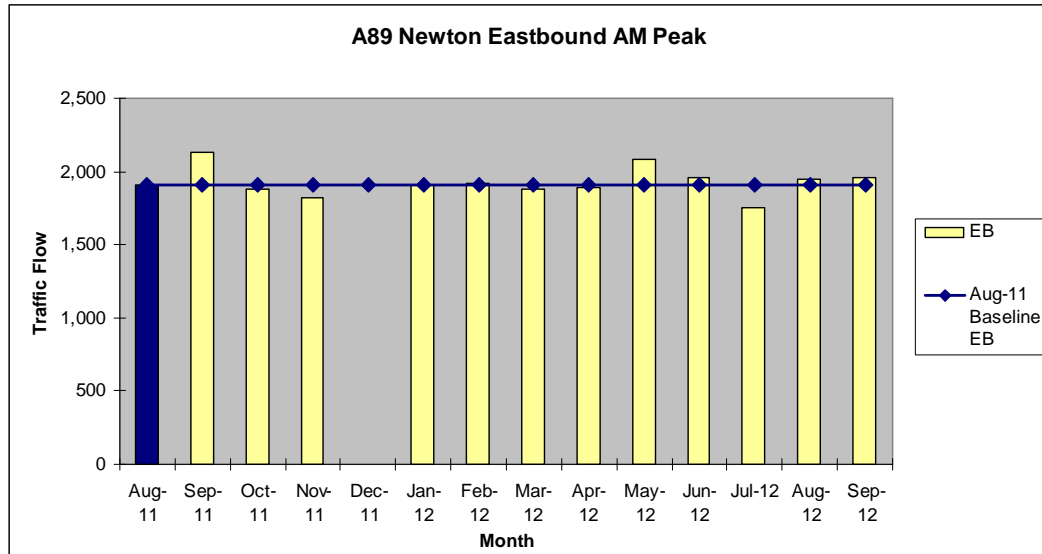


Figure 4-156 Monthly Eastbound AM Peak Flows on the A89

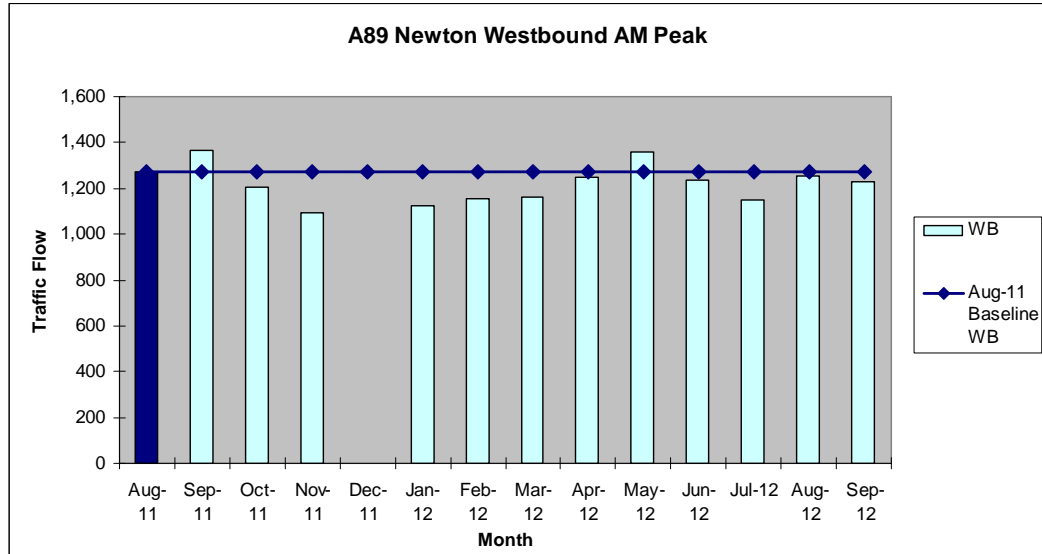


Figure 4-157 Monthly Westbound AM Peak Flows on the A89

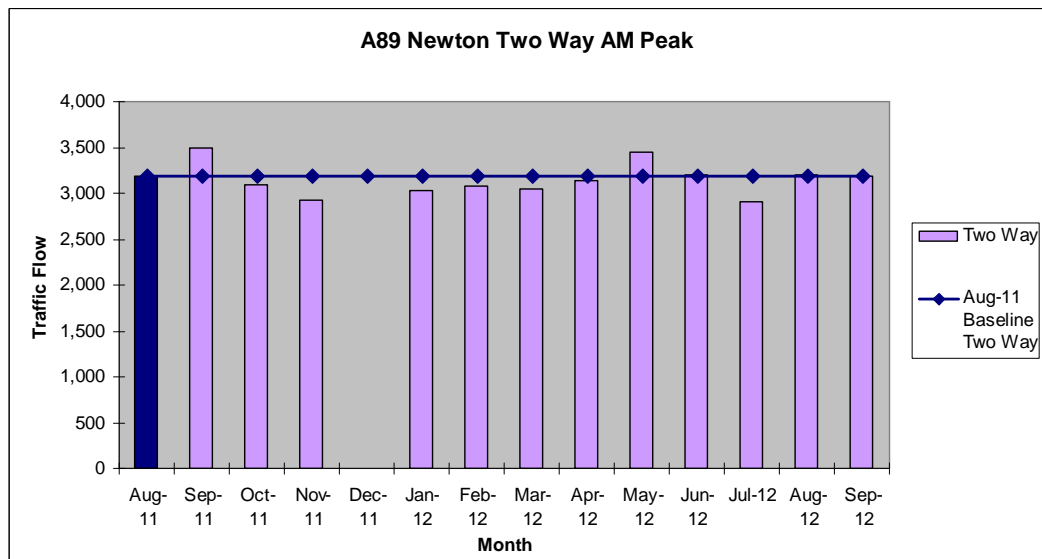


Figure 4-158 Monthly Two Way AM Peak Flows on the A89

4.9.3 Monthly Average PM Peak Traffic Flows

Table 4-59 Site: JTC00602 PM Peak Traffic Flows – August 2011 to September 2012

Counter	Location	Date	EB	WB	Two Way
JTC00602	A89	Aug-11	1,679	2,083	3,762
		Sep-11	1,642	2,101	3,743
		Oct-11	1,530	1,917	3,446
		Nov-11	1,609	2,015	3,625
		Dec-11	No Data	No Data	No Data
		Jan-12	1,657	2,088	3,745
		Feb-12	1,699	2,175	3,874
		Mar-12	1,518	1,902	3,420
		Apr-12	1,569	1,994	3,563
		May-12	1,555	2,023	3,578
		Jun-12	1,500	1,985	3,485
		Jul-12	1,469	1,892	3,361
		Aug-12	1,581	2,128	3,709
		Sep-12	1,524	2,033	3,557
			Annual Average	1,584	2,016

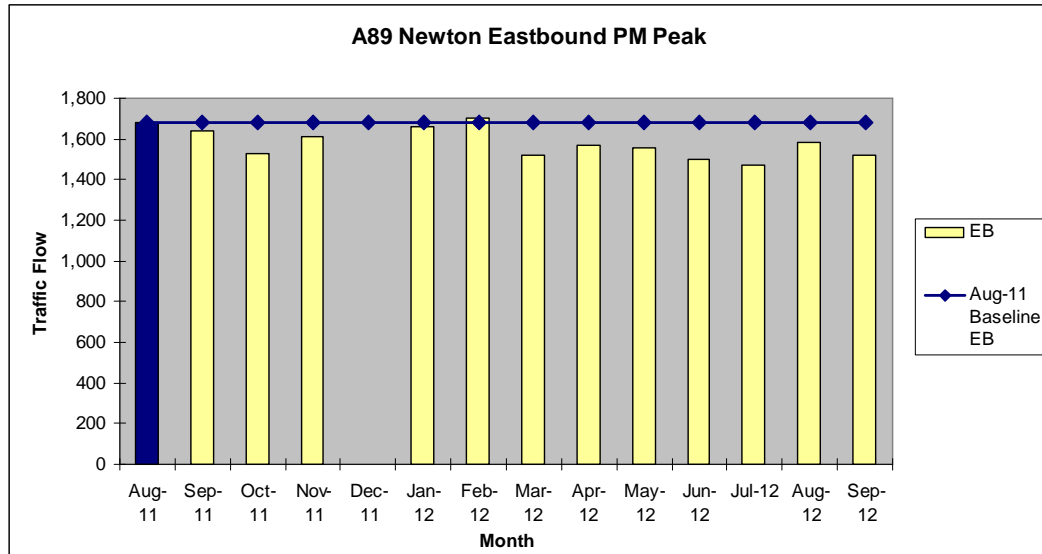


Figure 4-159 Monthly Eastbound PM Peak Flows on the A89

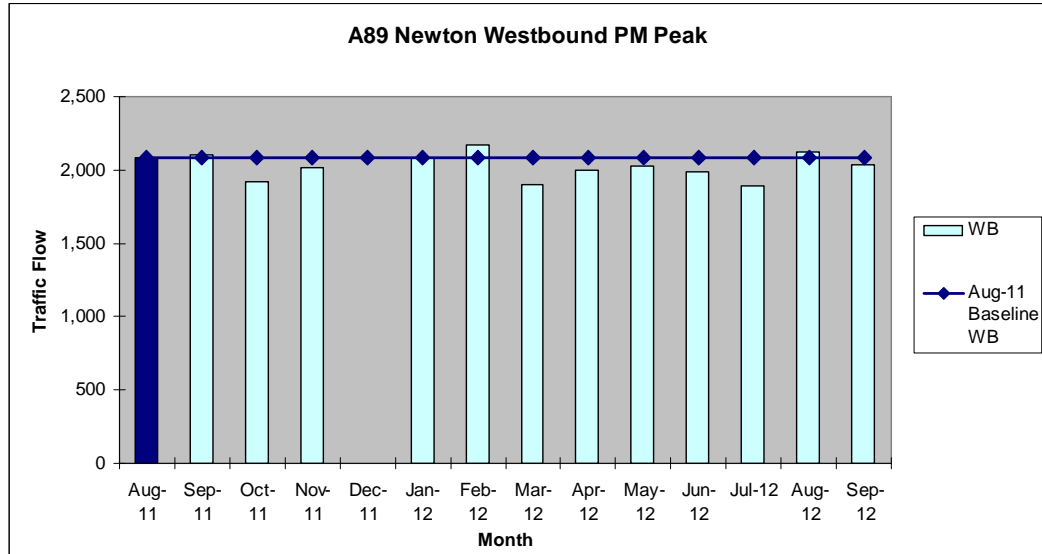


Figure 4-160 Monthly Westbound PM Peak Flows on the A89

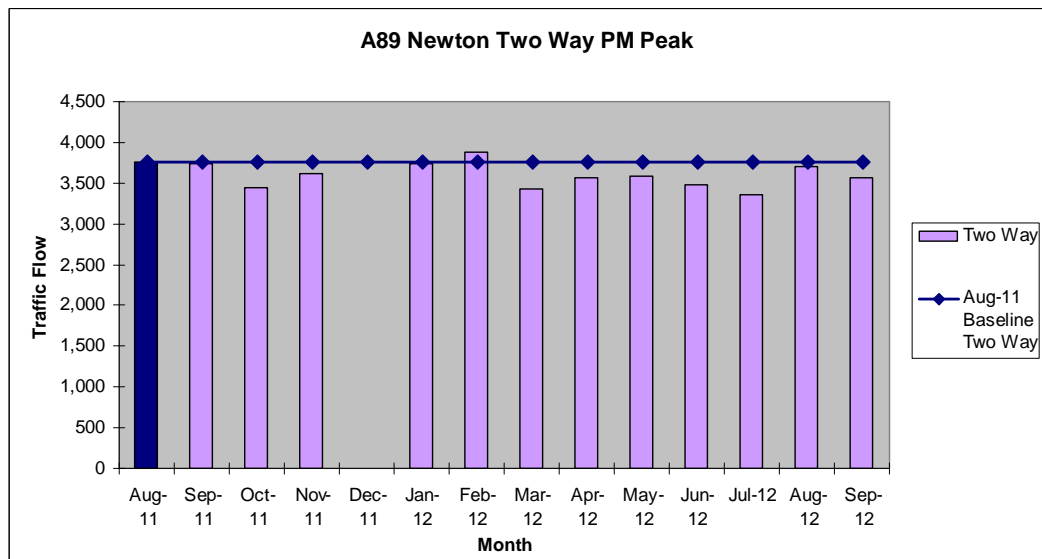


Figure 4-161 Monthly Two Way PM Peak Flows on the A89

4.9.4 Monthly Average HGV Flows

Table 4-60 Site: JTC00602 Annual HGV Traffic Flows – August 2011 to September 2012

Counter	Location	Date	EB	WB	Two Way
JTC00602	A89	Aug-11	189	194	384
		Sep-11	196	199	394
		Oct-11	195	193	387
		Nov-11	189	199	389
		Dec-11	No Data	No Data	No Data
		Jan-12	189	189	379
		Feb-12	184	188	372
		Mar-12	174	174	348
		Apr-12	181	182	363
		May-12	194	193	387
		Jun-12	193	196	389
		Jul-12	183	192	375
		Aug-12	192	207	398
		Sep-12	190	195	385
		Annual Average			188

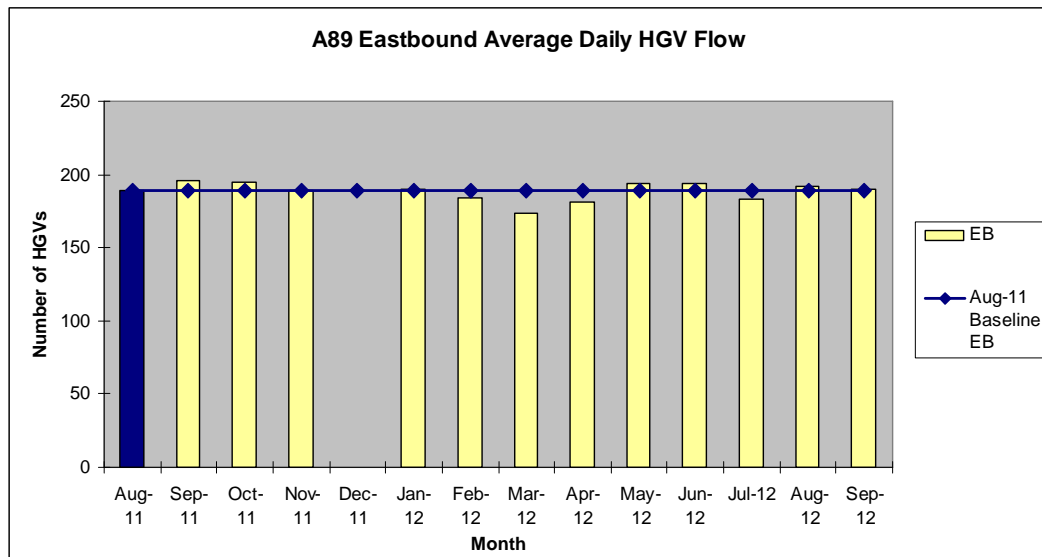


Figure 4-162 Monthly Eastbound HGV Flows on the A89

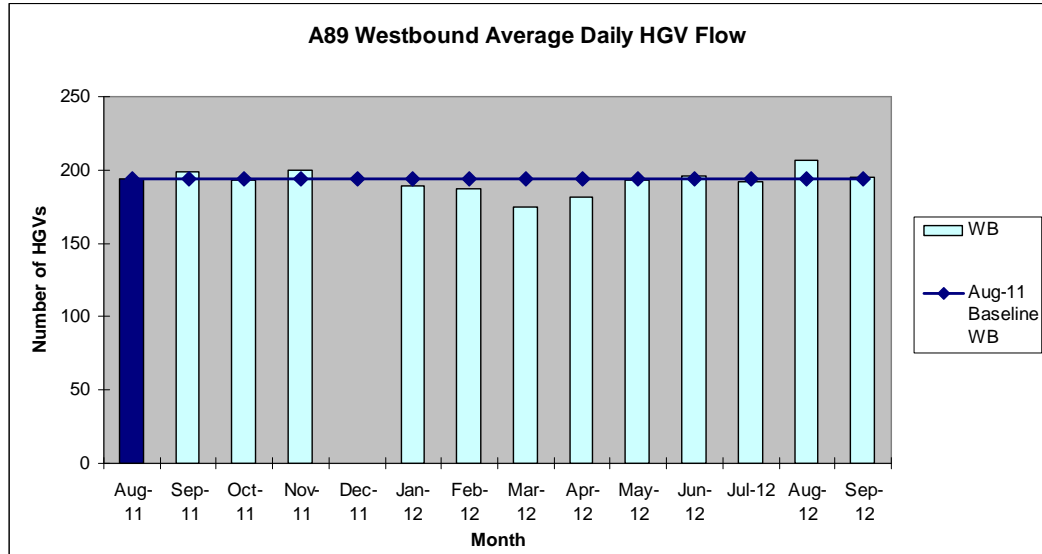


Figure 4-163 Monthly Westbound HGVS Flows on the A89

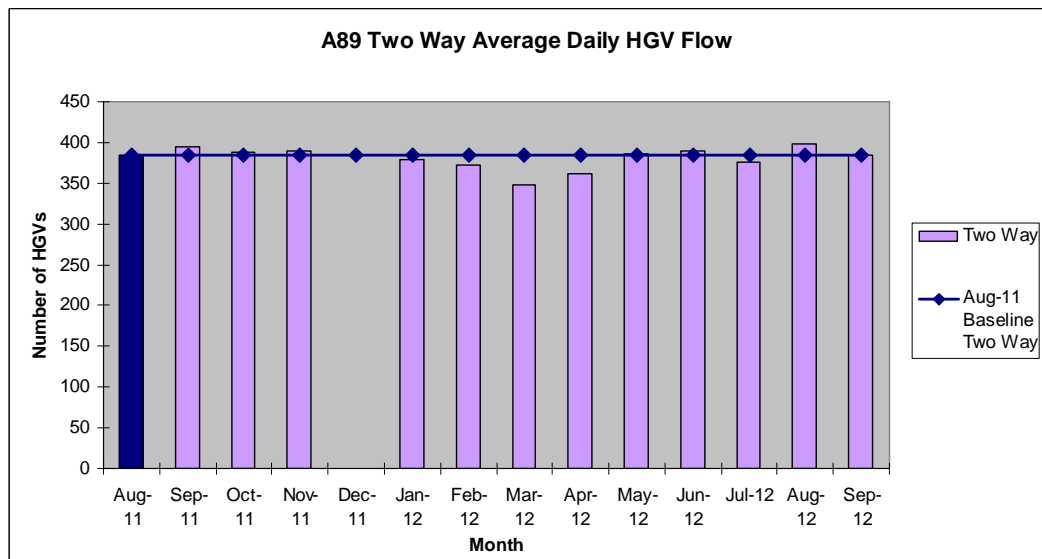


Figure 4-164 Monthly Two Way HGVS Flows on the A89

4.9.5 Monthly Average AM Peak HGV Flows

Table 4-61 Site: JTC00602 AM Peak HGV Traffic Flows – August 2011 to September 2012

Counter	Location	Date	EB	WB	Two Way
JTC00602	A89	Aug-11	38	38	76
		Sep-11	43	39	82
		Oct-11	41	38	80
		Nov-11	33	32	65
		Dec-11	No Data	No Data	No Data
		Jan-12	35	27	62
		Feb-12	33	27	60
		Mar-12	34	31	65
		Apr-12	36	36	72
		May-12	44	40	84
		Jun-12	41	37	78
		Jul-12	36	39	75
		Aug-12	43	39	82
		Sep-12	41	38	79
		Annual Average	38	35	73

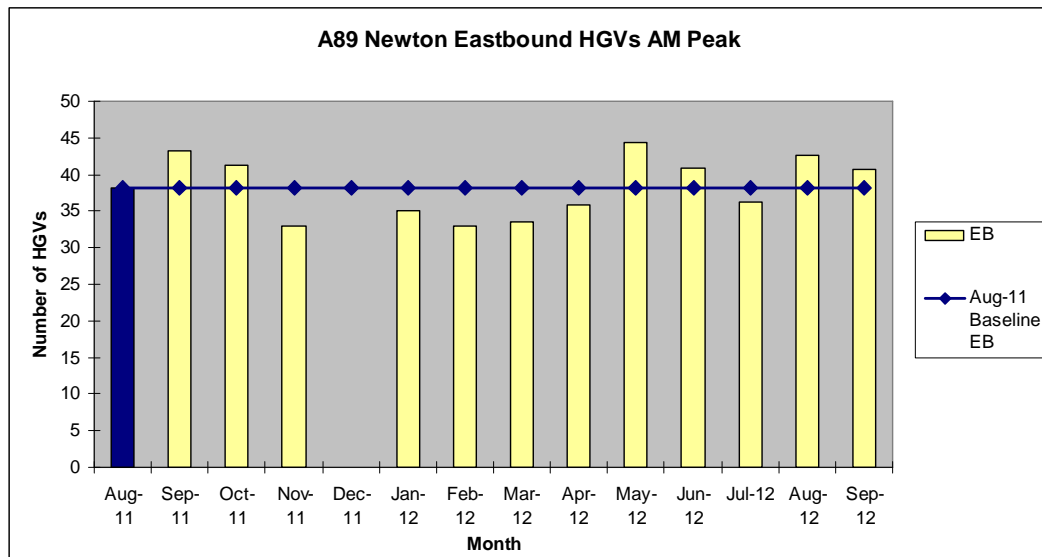


Figure 4-165 Monthly Eastbound AM Peak HGV Flows on the A89

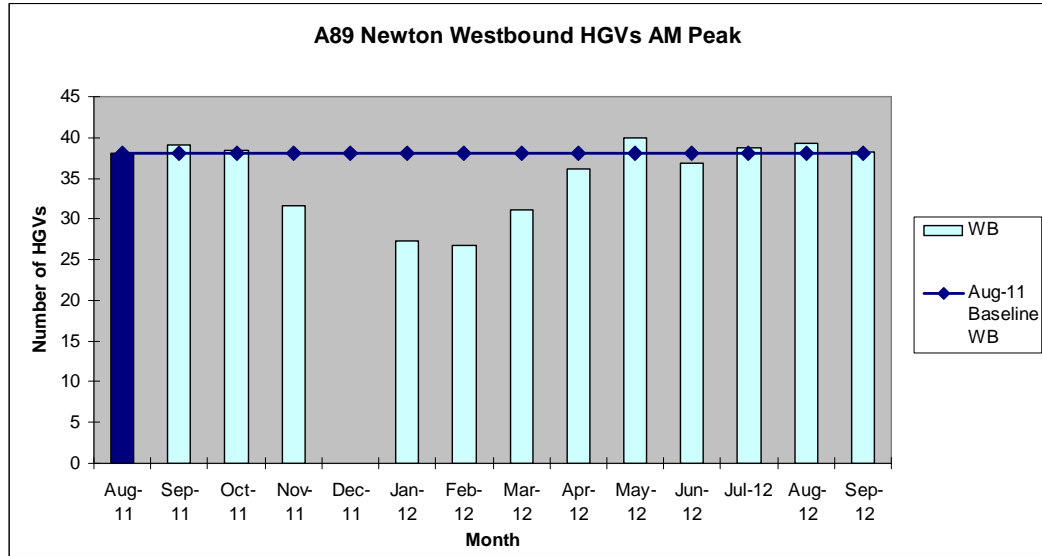


Figure 4-166 Monthly Westbound AM Peak HGV Flows on the A89

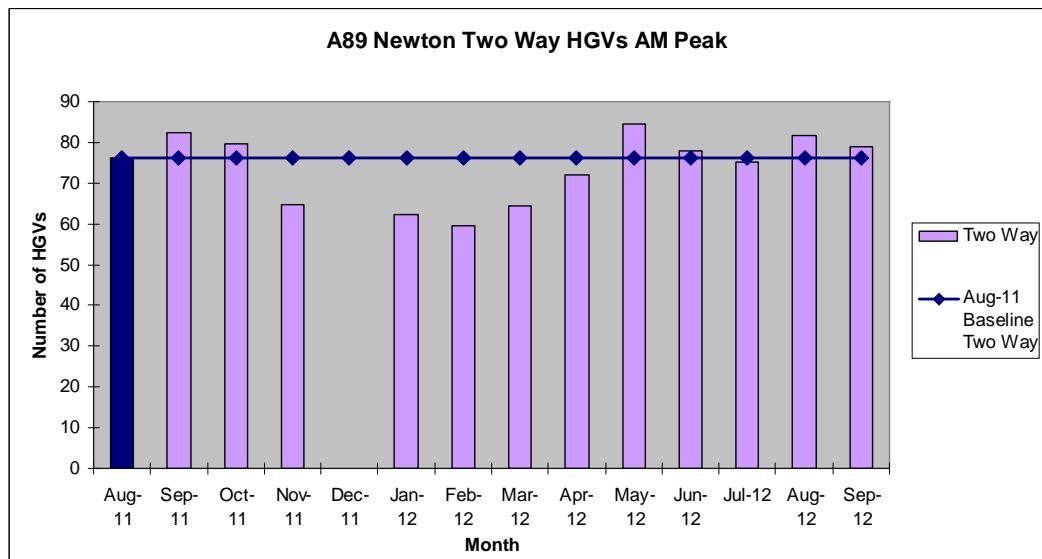


Figure 4-167 Monthly Two Way AM Peak HGV Flows on the A89

4.9.6 Monthly Average PM Peak HGV Flows

Table 4-62 Site: JTC00602 PM Peak HGV Traffic Flows – August 2011 to September 2012

Counter	Location	Date	EB	WB	Two Way
JTC00602	A89	Aug-11	25	32	57
		Sep-11	25	32	56
		Oct-11	26	30	56
		Nov-11	32	31	62
		Dec-11	No Data	No Data	No Data
		Jan-12	33	31	64
		Feb-12	31	30	60
		Mar-12	27	25	51
		Apr-12	24	27	50
		May-12	24	26	50
		Jun-12	24	27	51
		Jul-12	23	27	50
		Aug-12	25	32	57
		Sep-12	27	30	57
		Annual Average			26

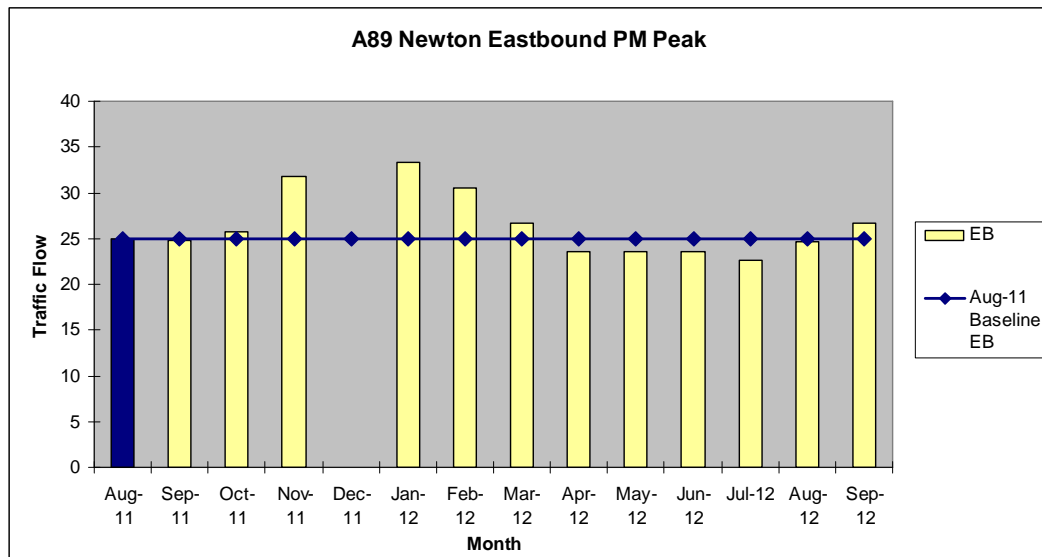


Figure 4-168 Monthly Eastbound PM HGV Peak Flows on the A89

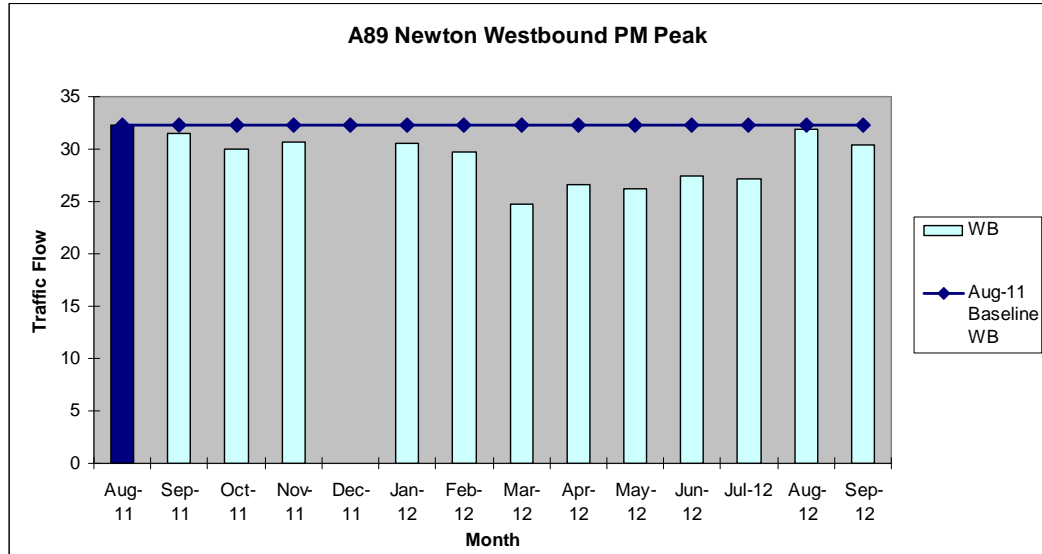


Figure 4-169 Monthly Westbound PM Peak HGV Flows on the A89

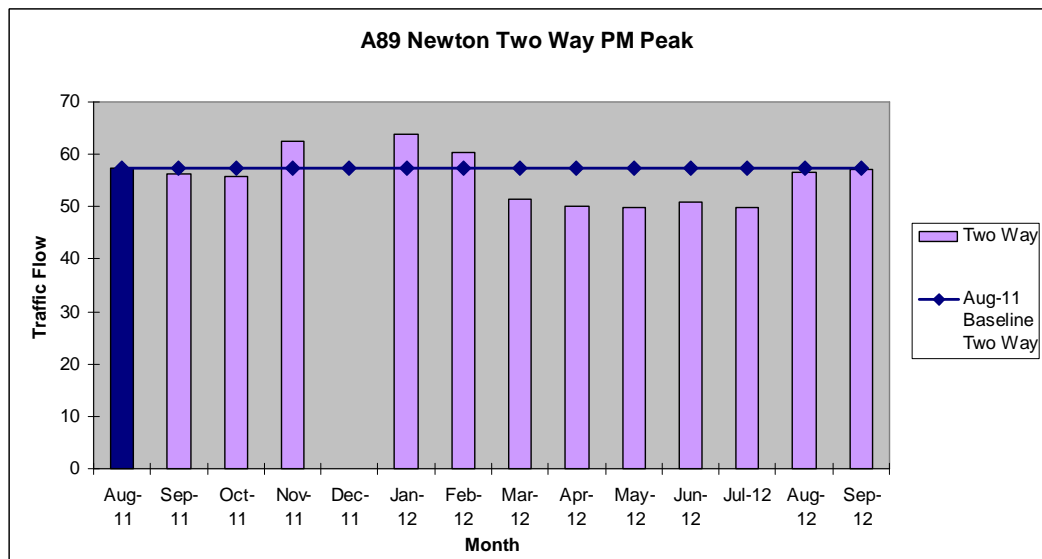


Figure 4-170 Monthly Two Way PM Peak HGV Flows on the A89

4.9.7 Monthly Average All Vehicles Traffic Speeds

Table 4-63 Site: JTC00602 Average Monthly Traffic Speeds (KPH) (All Vehicles) – August 2011 to September 2012

Counter	Location	Date	EB	WB
JTC00602	A89	Aug-11	60	66
		Sep-11	61	67
		Oct-11	60	67
		Nov-11	58	64
		Dec-11	No Data	No Data
		Jan-12	58	64
		Feb-12	61	66
		Mar-12	61	67
		Apr-12	61	67
		May-12	61	68
		Jun-12	61	68
		Jul-12	60	67
		Aug-12	59	66
Sep-12	60	66		

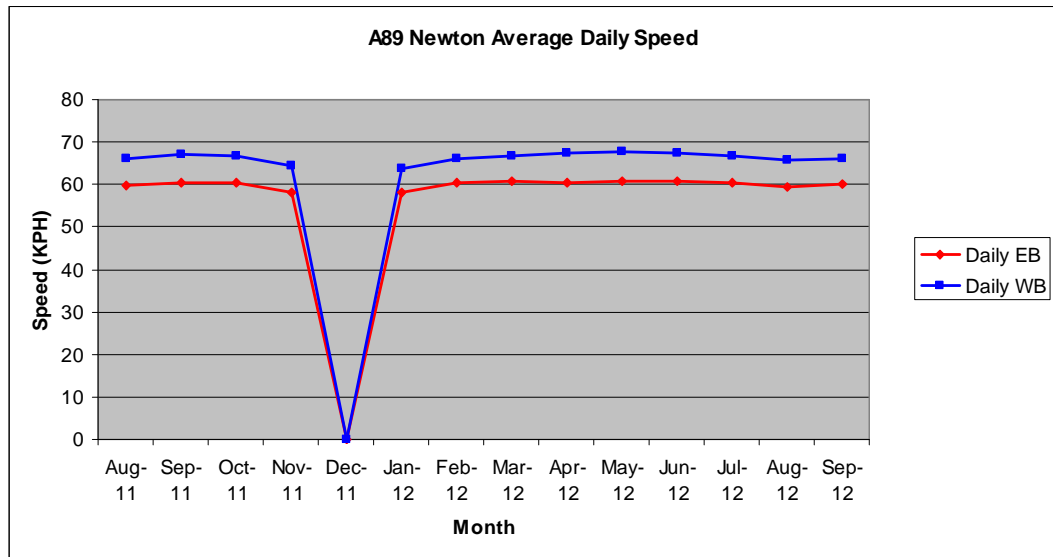


Figure 4-171 Average Monthly Traffic Speeds (KPH) on the A89

4.10 Traffic Counter JTC00604 – A71 Riccarton

4.10.1 Monthly Average Traffic Flows

Table 3-64 Site: JTC00604 Annual Traffic Flows – August 2011 to September 2012

Counter	Location	Date	EB	WB	Two Way
JTC00604	A71 Riccarton	Aug-11	8,559	7,874	16,434
		Sep-11	8,519	7,834	16,353
		Oct-11	8,272	7,573	15,844
		Nov-11	9,182	8,515	17,697
		Dec-11	7,836	7,120	14,956
		Jan-12	No Data	No Data	No Data
		Feb-12	8,462	7,882	16,344
		Mar-12	8,422	7,681	16,103
		Apr-12	7,963	7,234	15,197
		May-12	8,280	7,561	15,841
		Jun-12	8,417	7,665	16,082
		Jul-12	7,829	7,088	14,917
		Aug-12	8,631	7,959	16,590
		Sep-12	8,311	7,531	15,842
		Annual Average			8,340

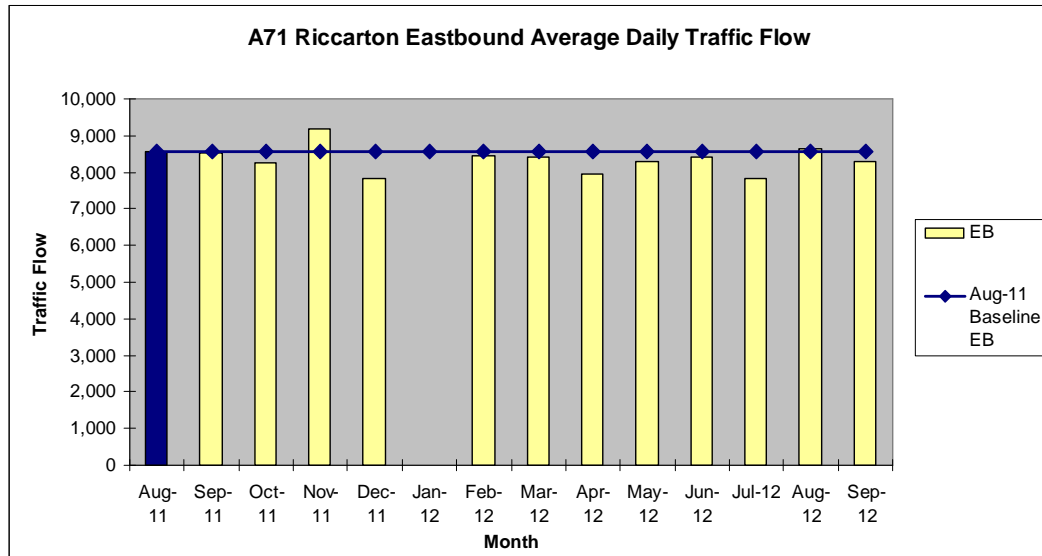


Figure 4-172 Monthly Eastbound AADTs on the A71 Riccarton

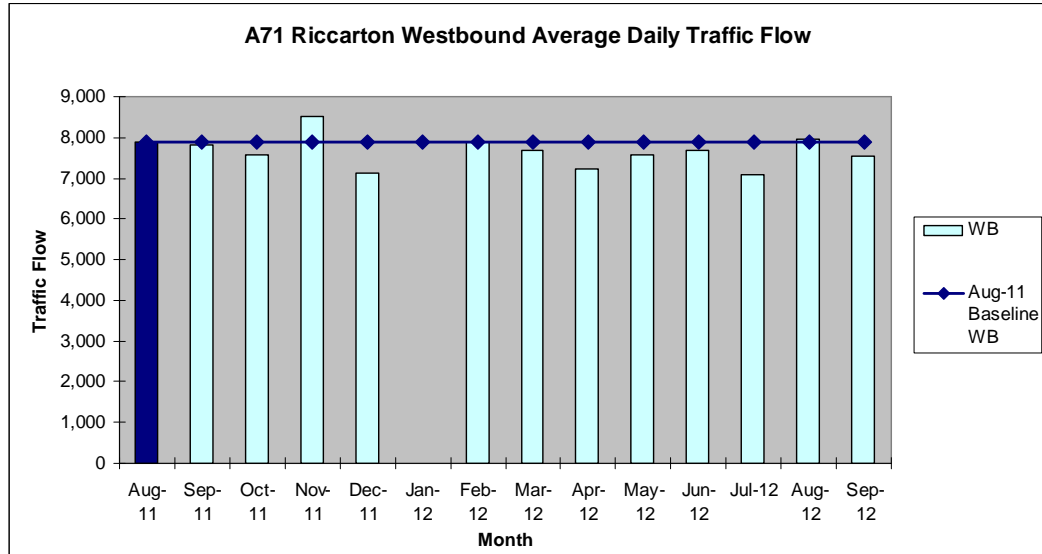


Figure 4-173 Monthly Westbound AADTs on the A71 Riccarton

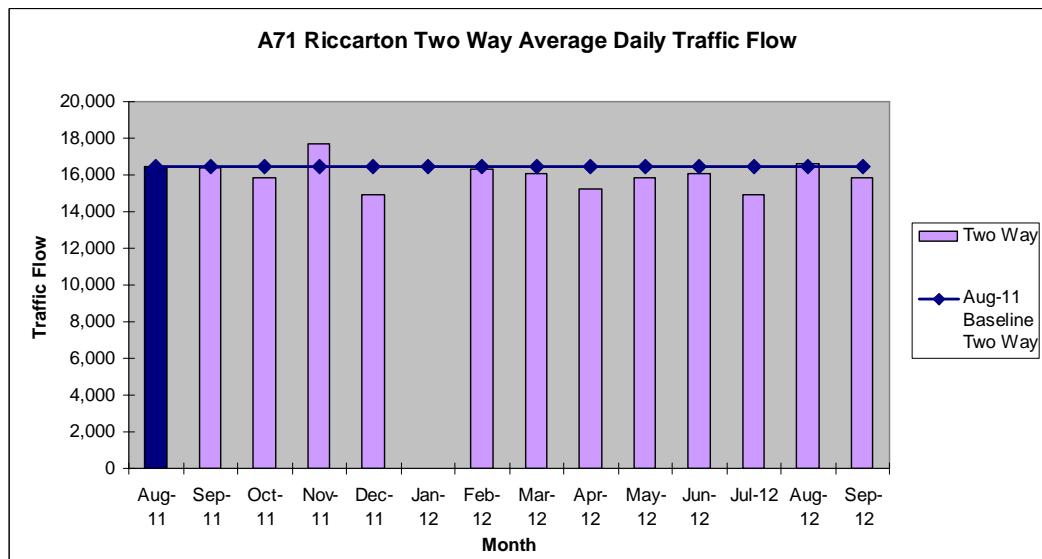


Figure 4-174 Monthly Two Way Daily Traffic Flows on the A71 Riccarton

4.10.2 Monthly Average AM Peak Traffic Flows

Table 4-65 Site: JTC00604 AM Peak Traffic Flows – August 2011 to September 2012

Counter	Location	Date	EB	WB	Two Way
JTC00604	A71 Riccarton	Aug-11	2,203	1,130	3,332
		Sep-11	2,327	1,160	3,487
		Oct-11	2,187	1,075	3,262
		Nov-11	2,451	1,103	3,554
		Dec-11	1,879	852	2,731
		Jan-12	No Data	No Data	No Data
		Feb-12	2,163	993	3,156
		Mar-12	2,154	1,044	3,198
		Apr-12	2,020	1,075	3,095
		May-12	2,164	1,154	3,318
		Jun-12	2,100	1,135	3,234
		Jul-12	1,958	1,017	2,975
		Aug-12	2,190	1,139	3,328
		Sep-12	2,187	1,080	3,267
		Annual Average	2,146	1,067	3,213

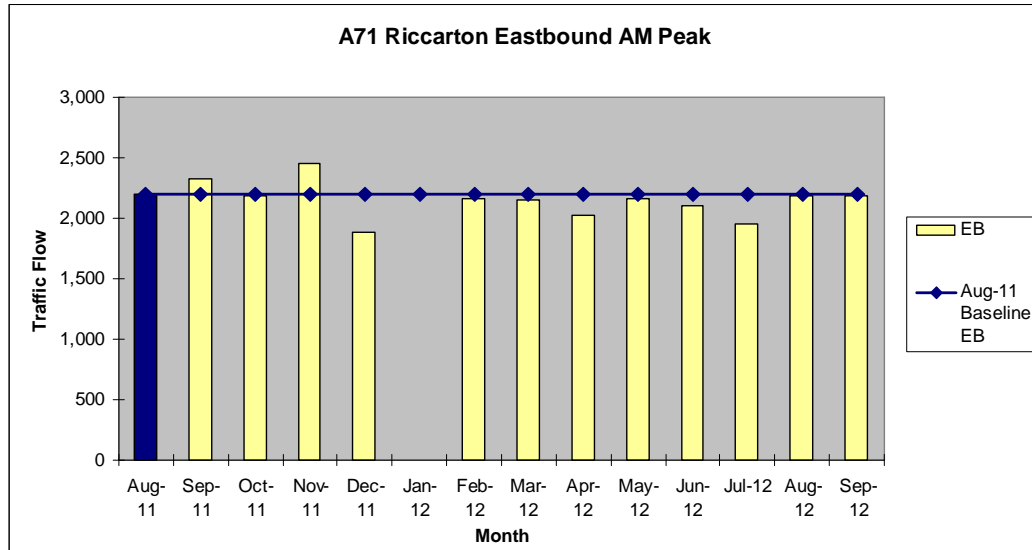


Figure 4-175 Monthly Eastbound AM Peak Flows on the A71 Riccarton

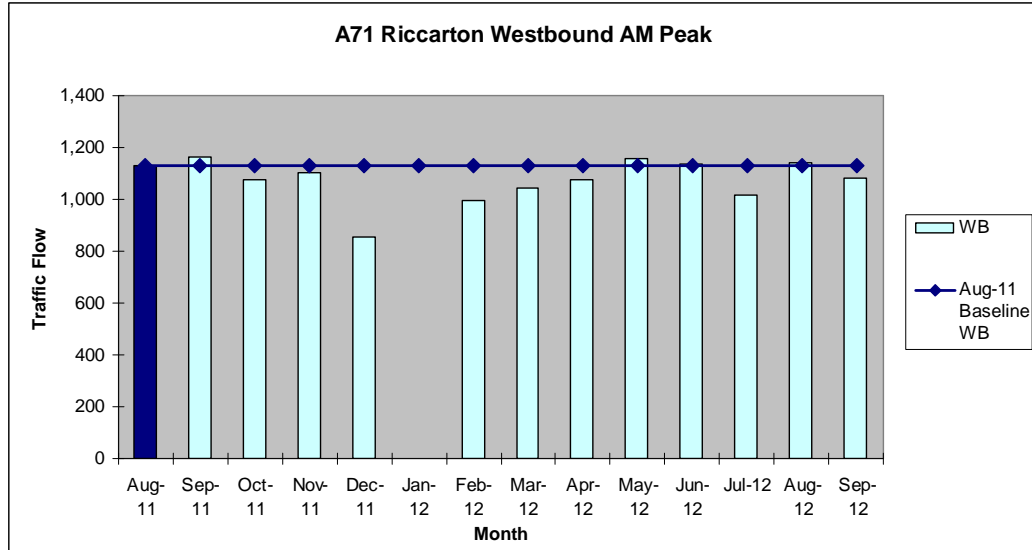


Figure 4-176 Monthly Westbound AM Peak Flows on the A71 Riccarton

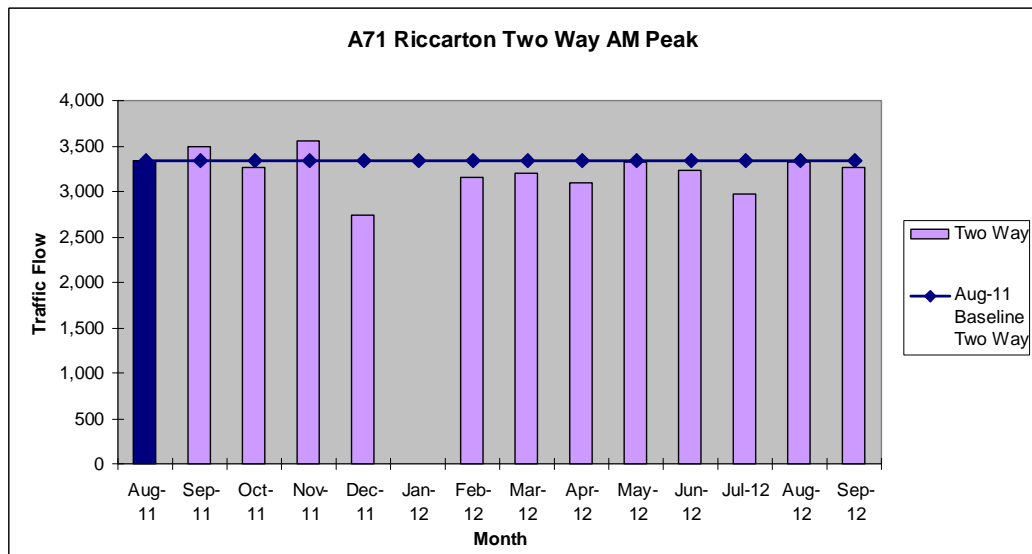


Figure 4-177 Monthly Two Way AM Peak Flows on the A71 Riccarton

4.10.3 Monthly Average PM Peak Traffic Flows

Table 4-66 Site: JTC00604 PM Peak Traffic Flows – August 2011 to September 2012

Counter	Location	Date	EB	WB	Two Way
JTC00604	A71 Riccarton	Aug-11	1,890	2,368	4,258
		Sep-11	1,863	2,386	4,249
		Oct-11	1,814	2,315	4,130
		Nov-11	1,981	2,699	4,679
		Dec-11	1,679	2,122	3,801
		Jan-12	No Data	No Data	No Data
		Feb-12	1,821	2,464	4,285
		Mar-12	1,816	2,338	4,154
		Apr-12	1,726	2,136	3,861
		May-12	1,810	2,247	4,057
		Jun-12	1,870	2,215	4,085
		Jul-12	1,704	2,088	3,792
		Aug-12	1,905	2,401	4,306
		Sep-12	1,769	2,265	4,034
		Annual Average	1,816	2,307	4,123

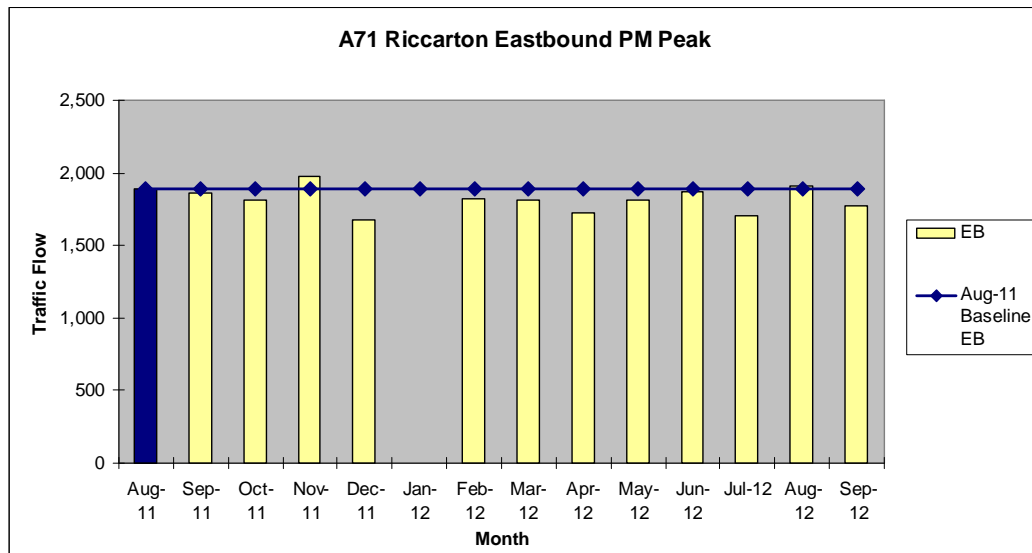


Figure 4-178 Monthly Eastbound PM Peak Flows on the A71 Riccarton

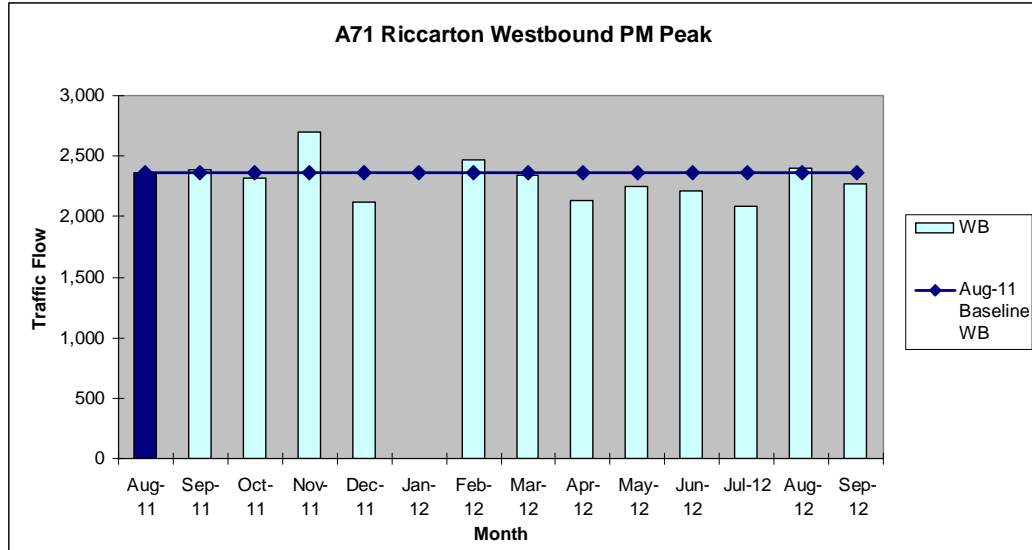


Figure 4-179 Monthly Westbound PM Peak Flows on the A71 Riccarton

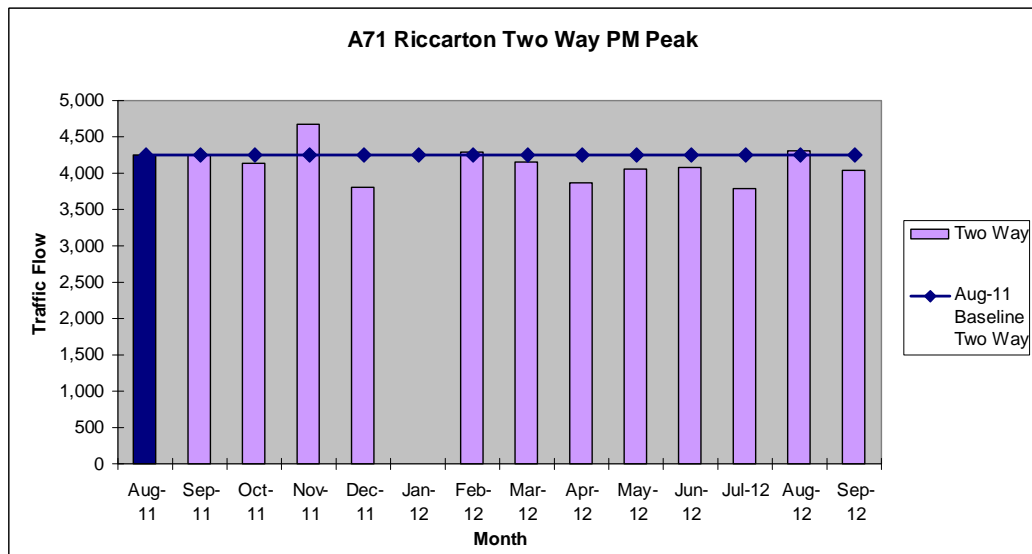


Figure 4-180 Monthly Two Way PM Peak Flows on the A71 Riccarton

4.10.4 Monthly Average HGV Flows

Table 4-67 Site: JTC00604 Annual HGV Traffic Flows – August 2011 to September 2012

Counter	Location	Date	EB	WB	Two Way
JTC00604	A71 Riccarton	Aug-11	122	107	230
		Sep-11	119	108	227
		Oct-11	114	95	209
		Nov-11	121	108	230
		Dec-11	99	90	189
		Jan-12	No Data	No Data	No Data
		Feb-12	103	93	196
		Mar-12	106	97	203
		Apr-12	103	94	197
		May-12	112	99	211
		Jun-12	115	97	212
		Jul-12	110	96	206
		Aug-12	123	106	229
		Sep-12	117	102	119
		Annual Average	111	99	210

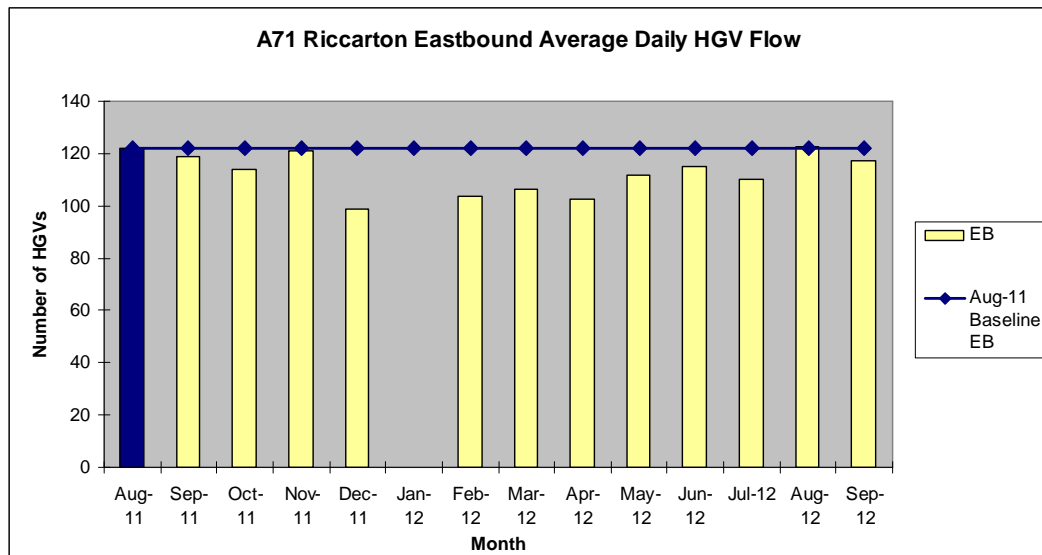


Figure 4-181 Monthly Eastbound HGV Flows on the A71 Riccarton

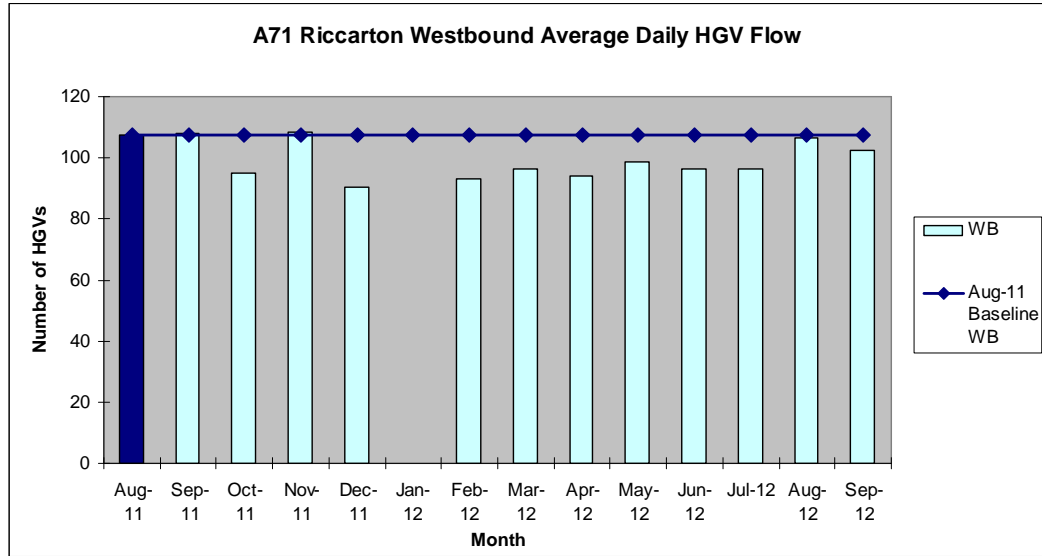


Figure 4-182 Monthly Westbound HGVS Flows on the A71 Riccarton

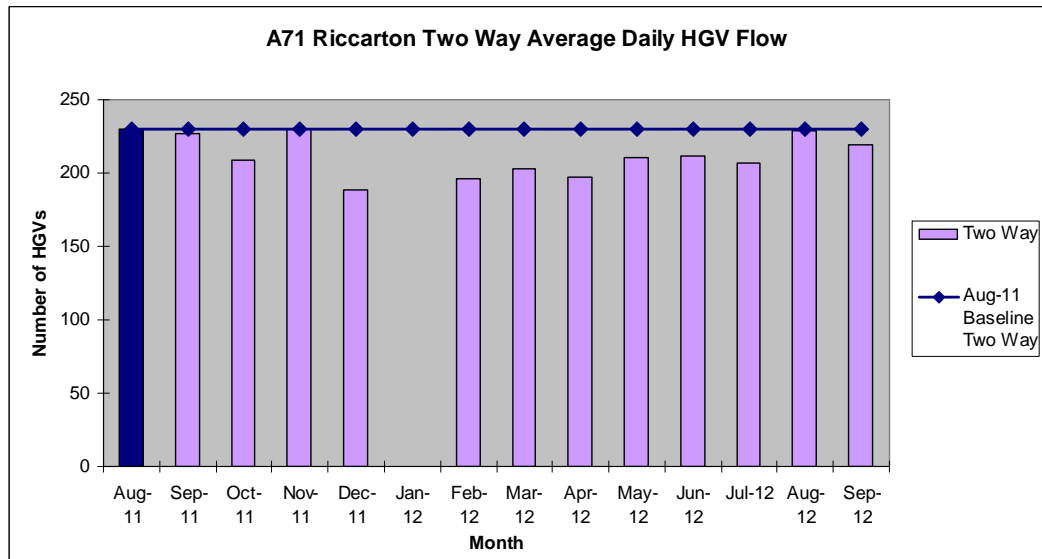


Figure 4-183 Monthly Two Way HGVS Flows on the A71 Riccarton

4.10.5 Monthly Average AM Peak HGV Flows

Table 4-68 Site: JTC00604 AM Peak HGV Traffic Flows – August 2011 to September 2012

Counter	Location	Date	EB	WB	Two Way
JTC00604	A71 Riccarton	Aug-11	31	20	52
		Sep-11	31	21	52
		Oct-11	30	18	47
		Nov-11	27	15	42
		Dec-11	23	13	36
		Jan-12	No Data	No Data	No Data
		Feb-12	24	14	37
		Mar-12	25	16	41
		Apr-12	25	18	43
		May-12	29	18	48
		Jun-12	30	17	47
		Jul-12	30	17	47
		Aug-12	32	18	51
		Sep-12	32	19	51
		Annual Average	28	17	45

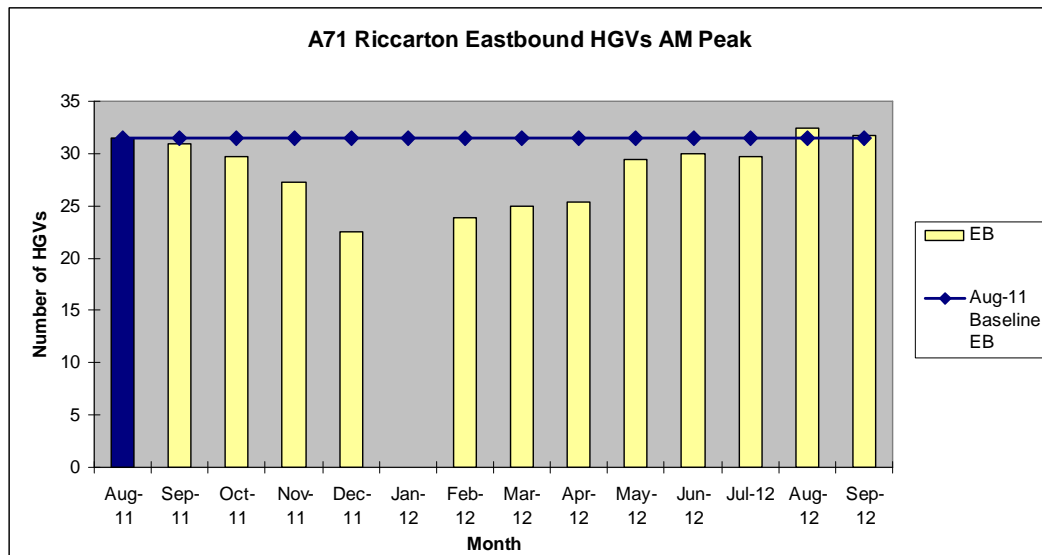


Figure 4-184 Monthly Eastbound AM Peak HGV Flows on the A71 Riccarton

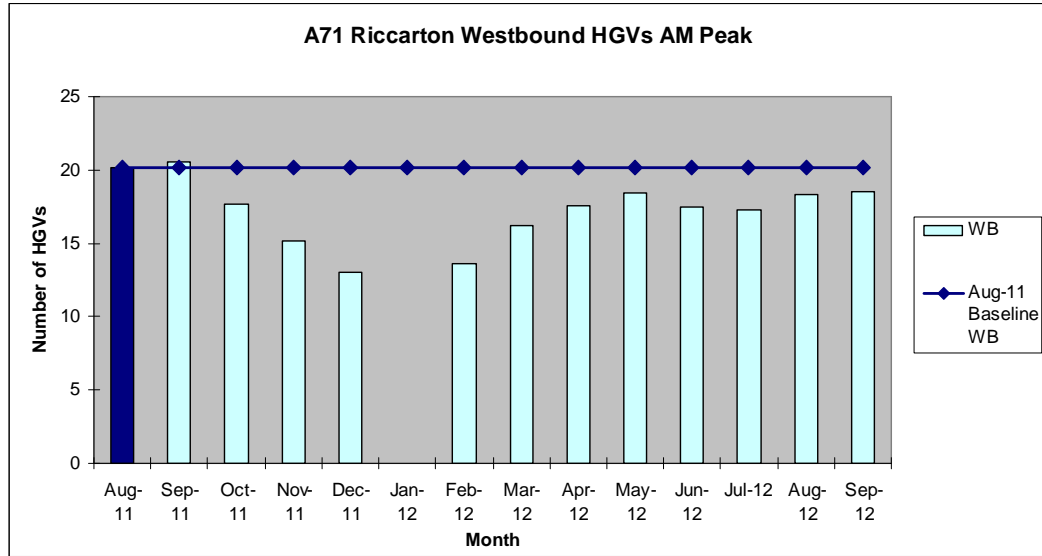


Figure 4-185 Monthly Westbound AM Peak HGV Flows on the A71 Riccarton

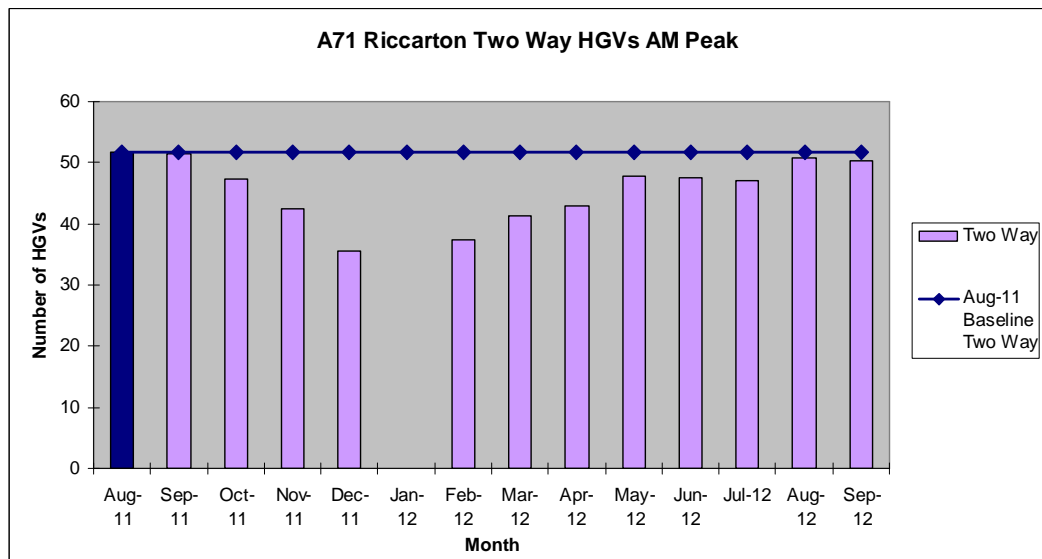


Figure 4-186 Monthly Two Way AM Peak HGV Flows on the A71 Riccarton

4.10.6 Monthly Average PM Peak HGV Flows

Table 4-69 Site: JTC00604 PM Peak HGV Traffic Flows – August 2011 to September 2012

Counter	Location	Date	EB	WB	Two Way
JTC00604	A71 Riccarton	Aug-11	17	21	38
		Sep-11	18	22	40
		Oct-11	17	19	36
		Nov-11	19	19	39
		Dec-11	16	18	34
		Jan-12	No Data	No Data	No Data
		Feb-12	17	19	36
		Mar-12	16	19	36
		Apr-12	15	18	33
		May-12	16	20	36
		Jun-12	17	19	36
		Jul-12	16	20	36
		Aug-12	18	23	41
		Sep-12	17	22	39
		Annual Average	17	20	36

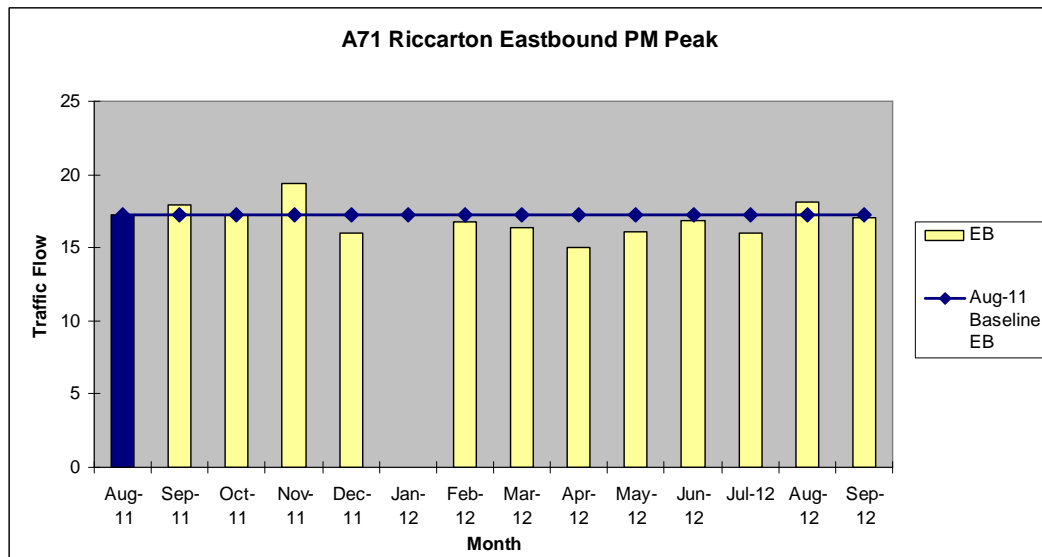


Figure 4-187 Monthly Eastbound PM HGV Peak Flows on the A71 Riccarton

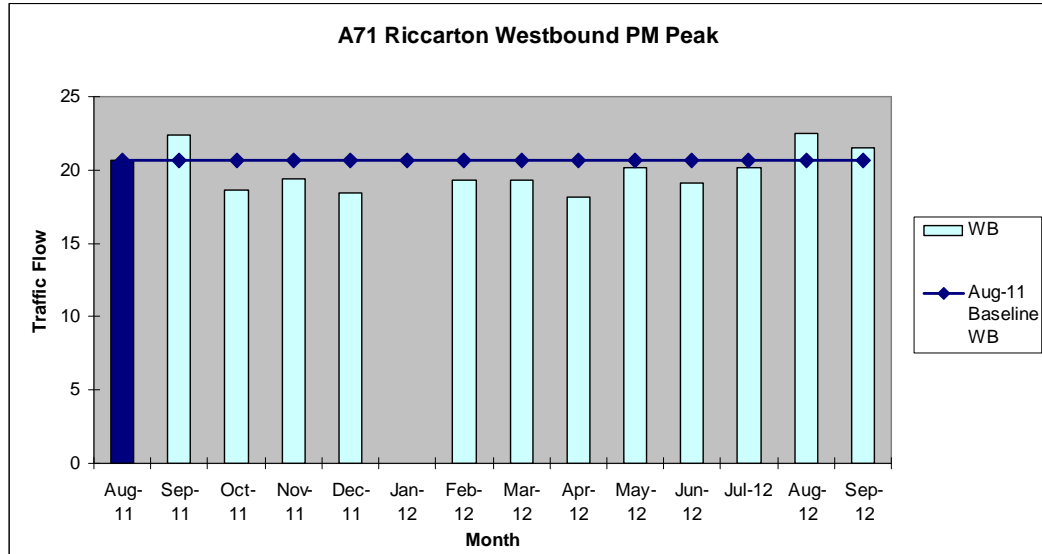


Figure 4-188 Monthly Westbound PM Peak HGV Flows on the A71 Riccarton

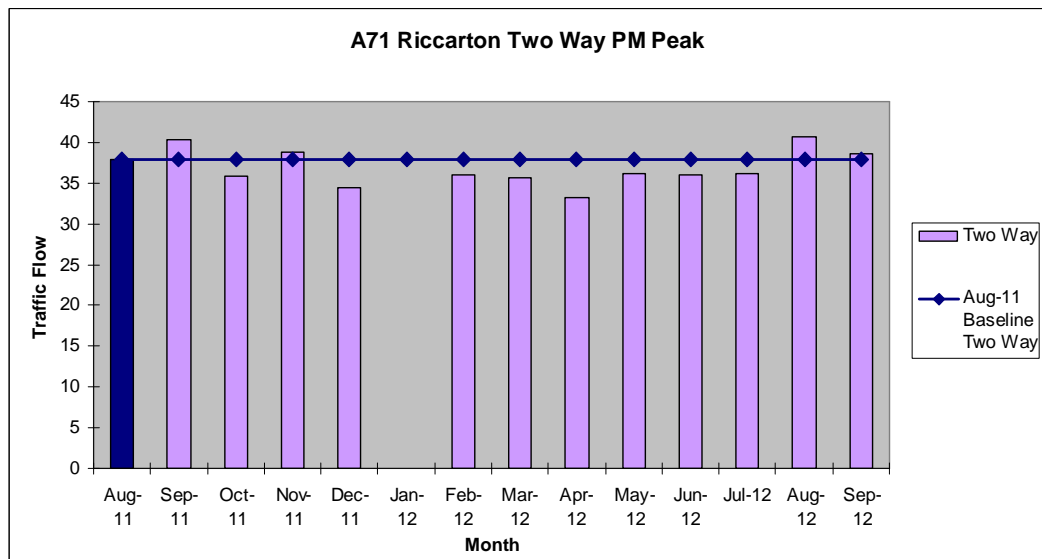


Figure 4-189 Monthly Two Way PM Peak HGV Flows on the A71 Riccarton

4.10.7 Monthly Average All Vehicles Traffic Speeds

Table 4-70 Site: JTC00604 Average Monthly Traffic Speeds (KPH) (All Vehicles) – August 2011 to September 2012

Counter	Location	Date	EB	WB
JTC00604	A71 Riccarton	Aug-11	66	69
		Sep-11	66	69
		Oct-11	66	69
		Nov-11	64	69
		Dec-11	62	64
		Jan-12	No Data	No Data
		Feb-12	66	68
		Mar-12	66	69
		Apr-12	67	70
		May-12	67	70
		Jun-12	66	69
		Jul-12	67	69
		Aug-12	66	69
Sep-12	66	69		

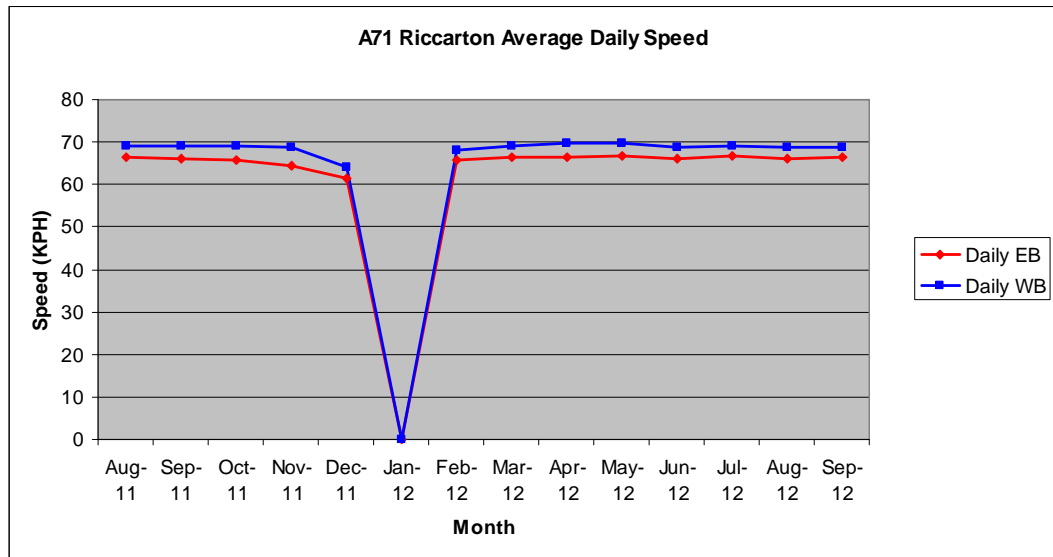


Figure 4-190 Average Monthly Traffic Speeds (KPH) on the A71 Riccarton

4.11 Traffic Counter JTC00605 – A70 Lanark Road

4.11.1 Monthly Average Traffic Flows

Table 3-71 Site: JTC00605 Annual Traffic Flows – August 2011 to September 2012

Counter	Location	Date	EB	WB	Two Way
JTC00605	A70 Lanark Road	Aug-11	5,786	6,347	12,132
		Sep-11	6,784	6,466	13,250
		Oct-11	6,600	6,213	12,813
		Nov-11	7,200	6,851	14,052
		Dec-11	No Data	No Data	No Data
		Jan-12	No Data	No Data	No Data
		Feb-12	6,965	6,411	13,376
		Mar-12	7,027	6,640	13,666
		Apr-12	6,488	6,217	12,705
		May-12	7,019	6,399	13,419
		Jun-12	No Data	No Data	No Data
		Jul-12	No Data	No Data	No Data
		Aug-12	No Data	No Data	No Data
		Sep-12	5,547	4,377	9,923
		Annual Average			6,734

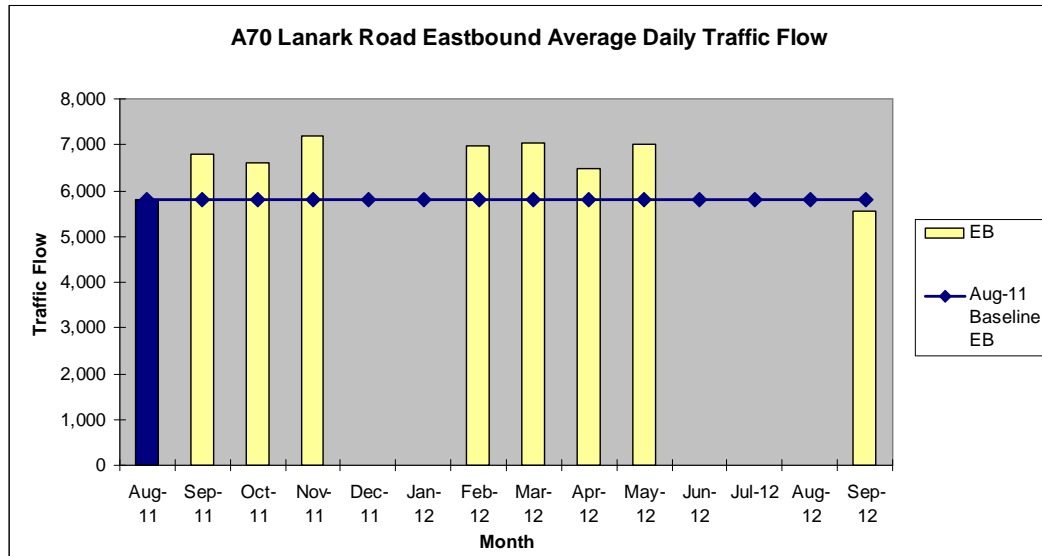


Figure 4-191 Monthly Eastbound AADTs on the A70 Lanark Road

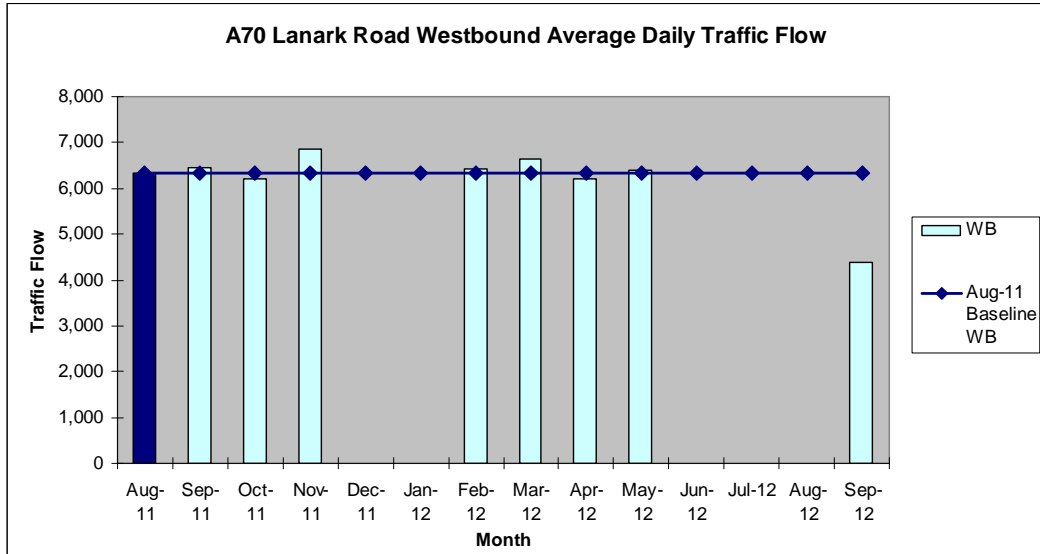


Figure 4-192 Monthly Westbound AADTs on the A70 Lanark Road

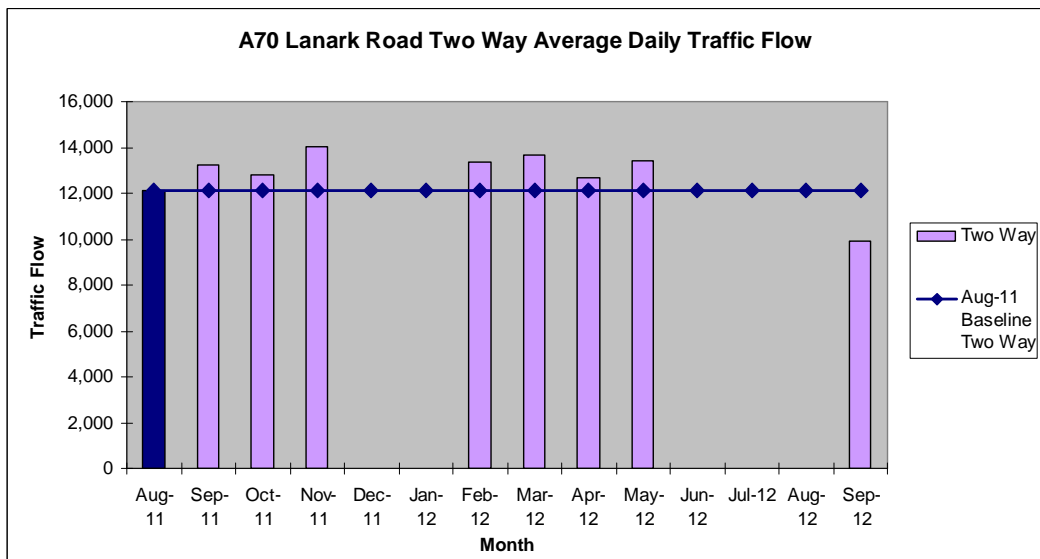


Figure 4-193 Monthly Two Way Daily Traffic Flows on the A70 Lanark Road

4.11.2 Monthly Average AM Peak Traffic Flows

Table 4-72 Site: JTC00605 AM Peak Traffic Flows – August 2011 to September 2012

Counter	Location	Date	EB	WB	Two Way
JTC00605	A70 Lanark Road	Aug-11	1,091	767	1,858
		Sep-11	1,397	930	2,327
		Oct-11	1,310	862	2,172
		Nov-11	1,184	714	1,897
		Dec-11	No Data	No Data	No Data
		Jan-12	No Data	No Data	No Data
		Feb-12	1,153	659	1,812
		Mar-12	1,257	709	1,966
		Apr-12	1,326	819	2,146
		May-12	1,539	913	2,453
		Jun-12	No Data	No Data	No Data
		Jul-12	No Data	No Data	No Data
		Aug-12	No Data	No Data	No Data
		Sep-12	1,157	611	1,768
		Annual Average			1,282

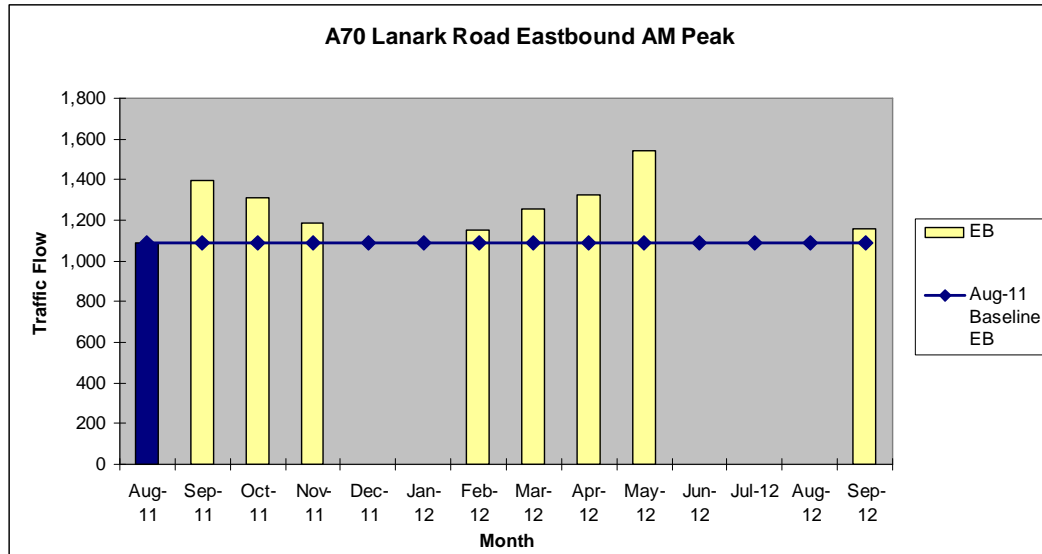


Figure 4-194 Monthly Eastbound AM Peak Flows on the A70 Lanark Road

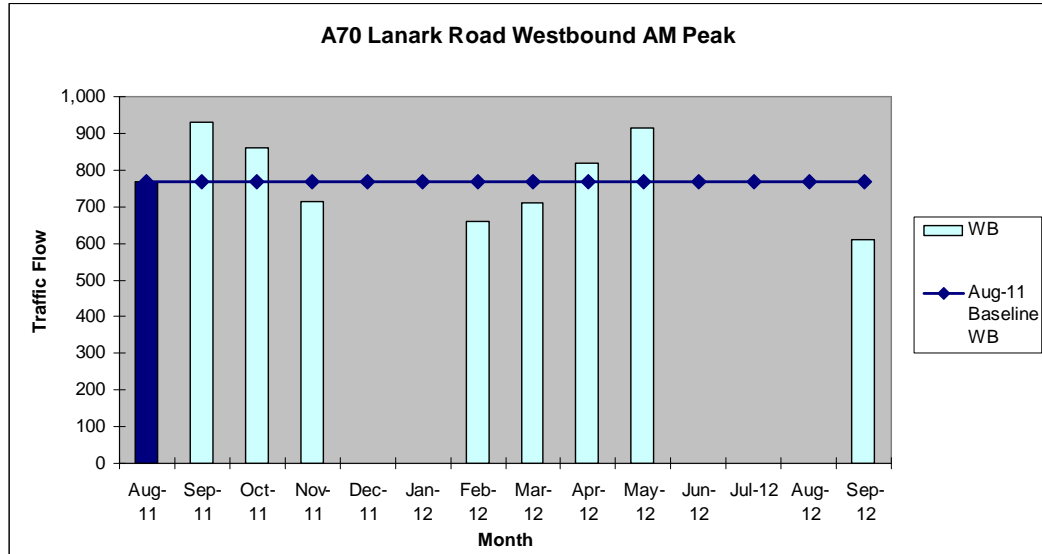


Figure 4-195 Monthly Westbound AM Peak Flows on the A70 Lanark Road

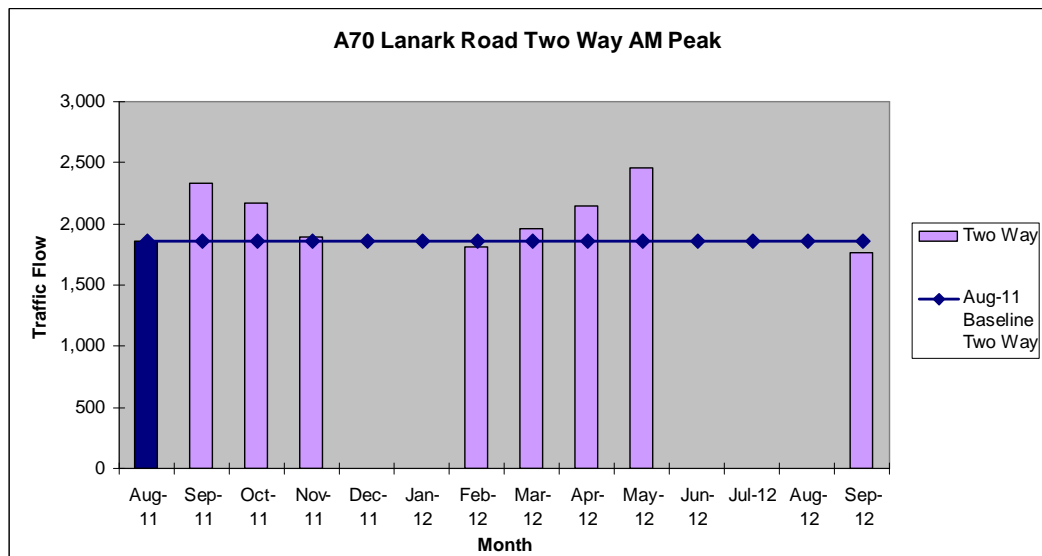


Figure 4-196 Monthly Two Way AM Peak Flows on the A70 Lanark Road

4.11.3 Monthly Average PM Peak Traffic Flows

Table 4-73 Site: JTC00605 PM Peak Traffic Flows – August 2011 to September 2012

Counter	Location	Date	EB	WB	Two Way
JTC00605	A70 Lanark Road	Aug-11	1,368	1,696	3,063
		Sep-11	1,479	1,655	3,134
		Oct-11	1,418	1,582	3,000
		Nov-11	1,578	1,828	3,406
		Dec-11	No Data	No Data	No Data
		Jan-12	No Data	No Data	No Data
		Feb-12	1,448	1,680	3,128
		Mar-12	1,510	1,747	3,257
		Apr-12	1,354	1,619	2,973
		May-12	1,457	1,684	3,141
		Jun-12	No Data	No Data	No Data
		Jul-12	No Data	No Data	No Data
		Aug-12	No Data	No Data	No Data
		Sep-12	1,238	1,138	2,376
		Annual Average			1,451

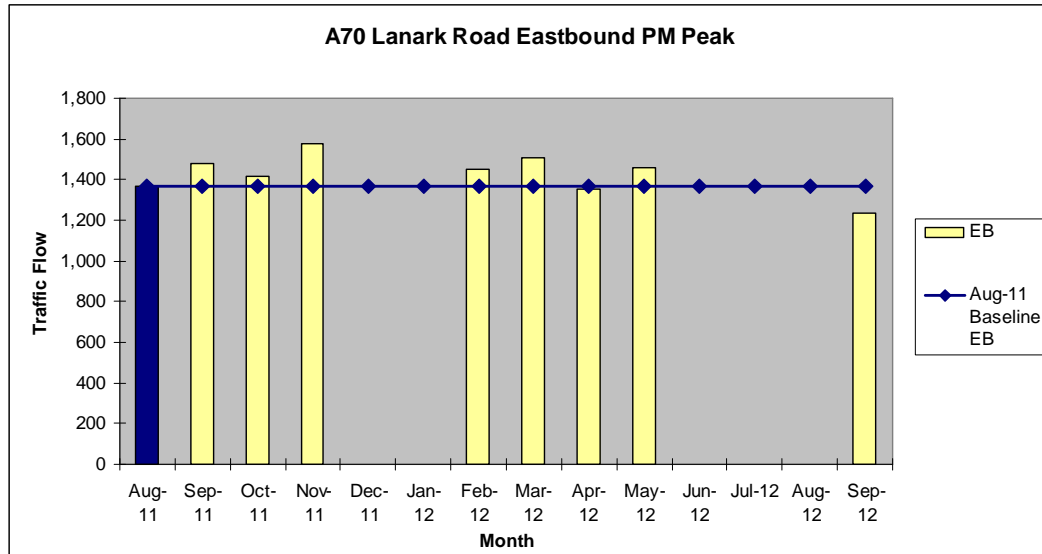


Figure 4-197 Monthly Eastbound PM Peak Flows on the A70 Lanark Road

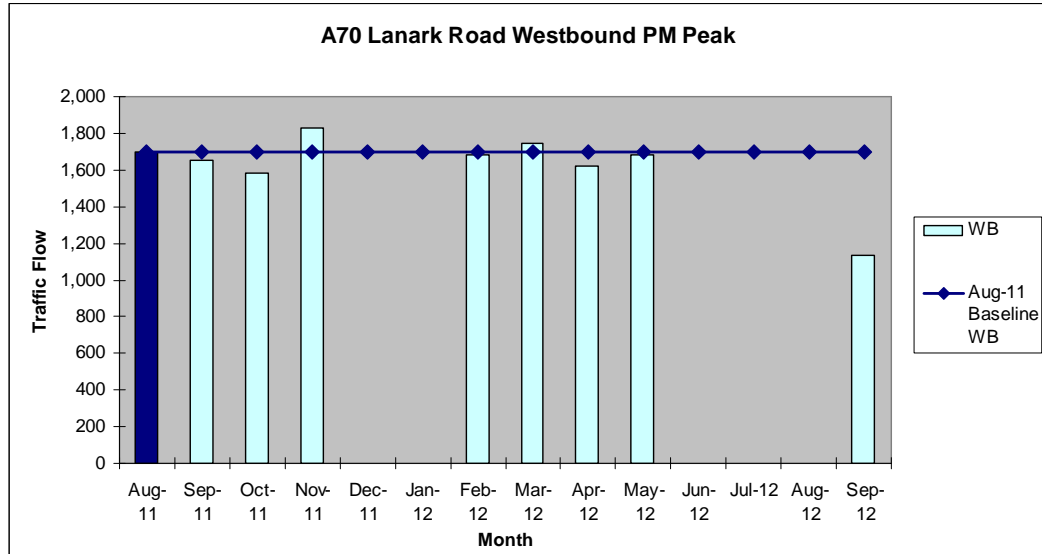


Figure 4-198 Monthly Westbound PM Peak Flows on the A70 Lanark Road

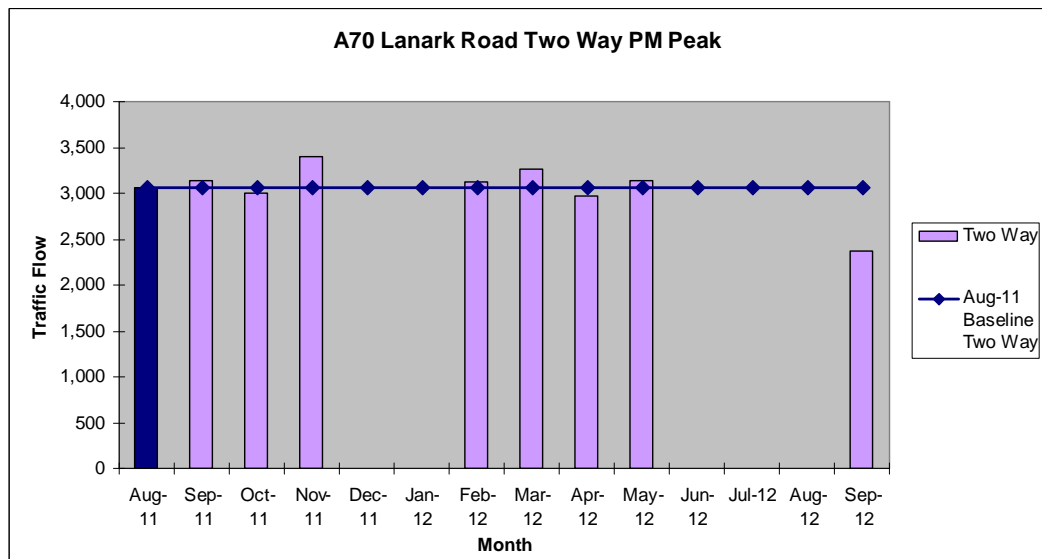


Figure 4-199 Monthly Two Way PM Peak Flows on the A70 Lanark Road

4.11.4 Monthly Average HGV Flows

Table 4-74 Site: JTC00605 Annual HGV Traffic Flows – August 2011 to September 2012

Counter	Location	Date	EB	WB	Two Way
JTC00605	A70 Lanark Road	Aug-11	115	144	259
		Sep-11	132	143	276
		Oct-11	136	137	273
		Nov-11	136	144	280
		Dec-11	No Data	No Data	No Data
		Jan-12	No Data	No Data	No Data
		Feb-12	142	146	288
		Mar-12	130	138	268
		Apr-12	114	119	232
		May-12	117	117	234
		Jun-12	No Data	No Data	No Data
		Jul-12	No Data	No Data	No Data
		Aug-12	No Data	No Data	No Data
		Sep-12	91	61	152
		Annual Average			128

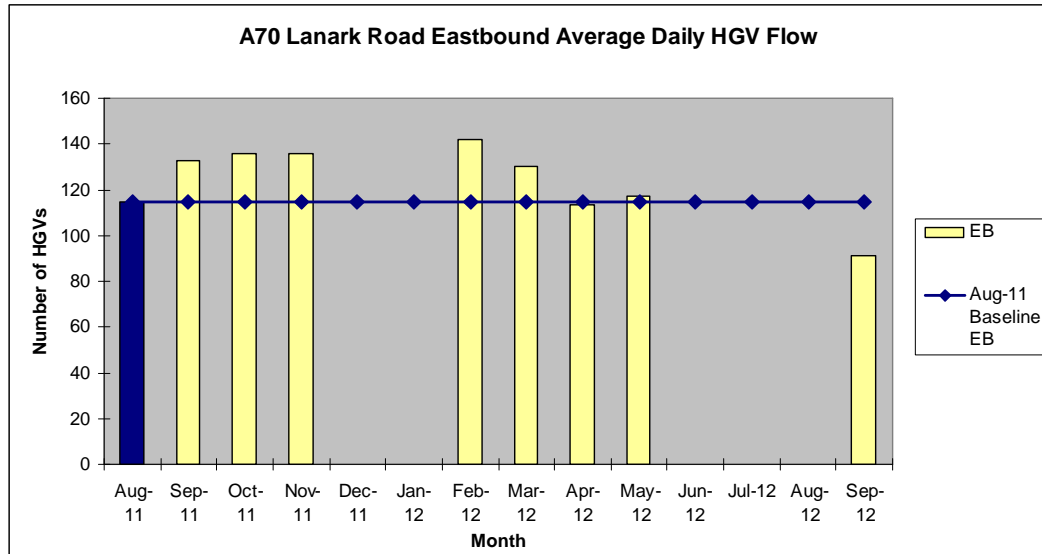


Figure 4-200 Monthly Eastbound HGV Flows on the A70 Lanark Road

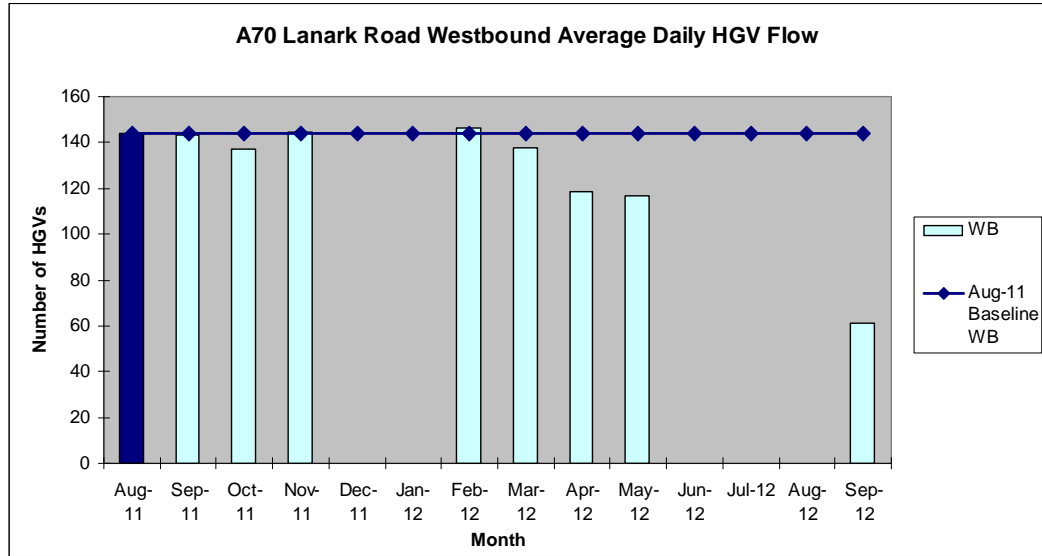


Figure 4-201 Monthly Westbound HGVS Flows on the A70 Lanark Road

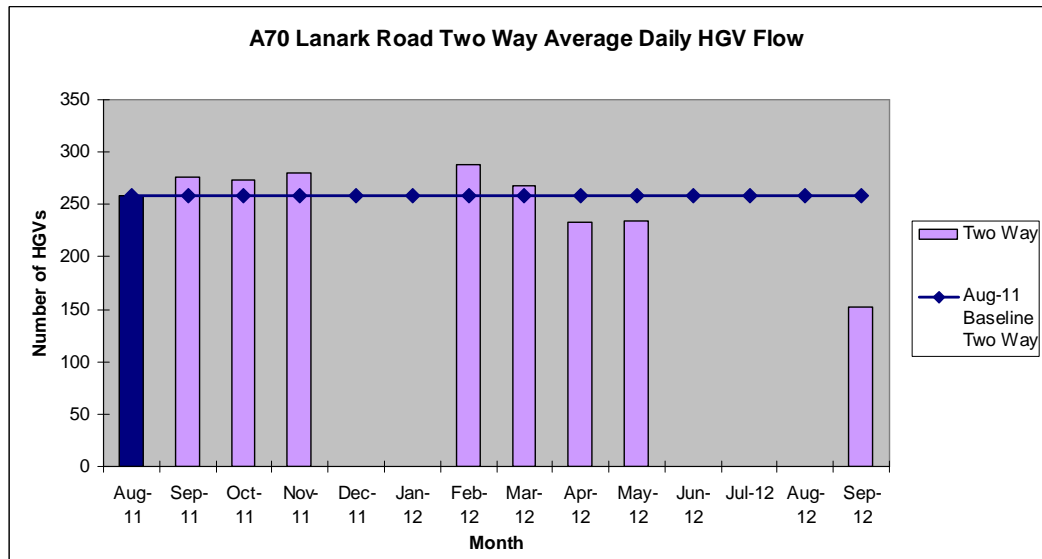


Figure 4-202 Monthly Two Way HGVS Flows on the A70 Lanark Road

4.11.5 Monthly Average AM Peak HGV Flows

Table 4-75 Site: JTC00605 AM Peak HGV Traffic Flows – August 2011 to September 2012

Counter	Location	Date	EB	WB	Two Way
JTC00605	A70 Lanark Road	Aug-11	19	26	45
		Sep-11	24	28	52
		Oct-11	25	28	53
		Nov-11	20	24	44
		Dec-11	No Data	No Data	No Data
		Jan-12	No Data	No Data	No Data
		Feb-12	21	23	44
		Mar-12	20	22	42
		Apr-12	21	21	42
		May-12	23	21	43
		Jun-12	No Data	No Data	No Data
		Jul-12	No Data	No Data	No Data
		Aug-12	No Data	No Data	No Data
		Sep-12	19	11	30
		Annual Average		22	24

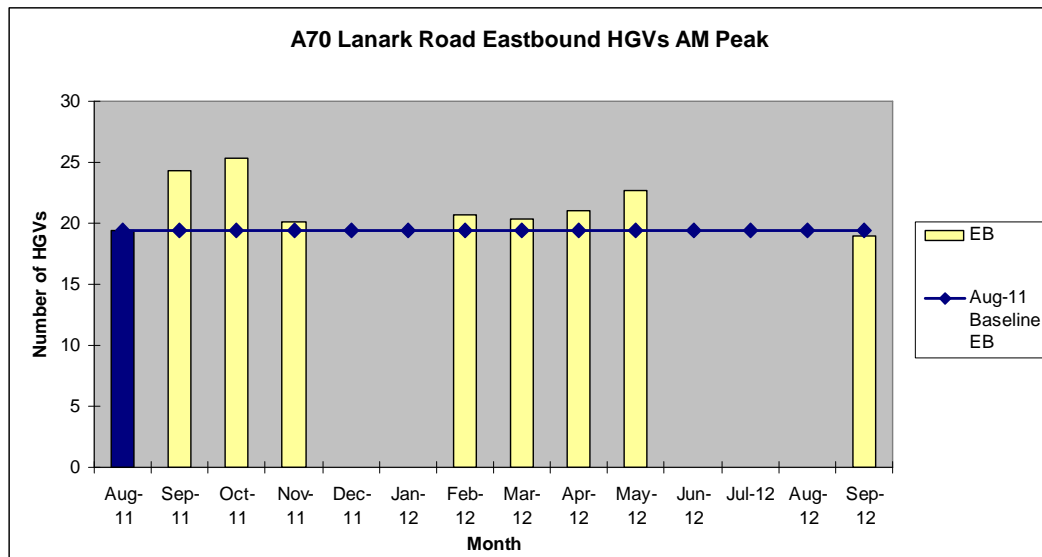


Figure 4-203 Monthly Eastbound AM Peak HGV Flows on the A70 Lanark Road

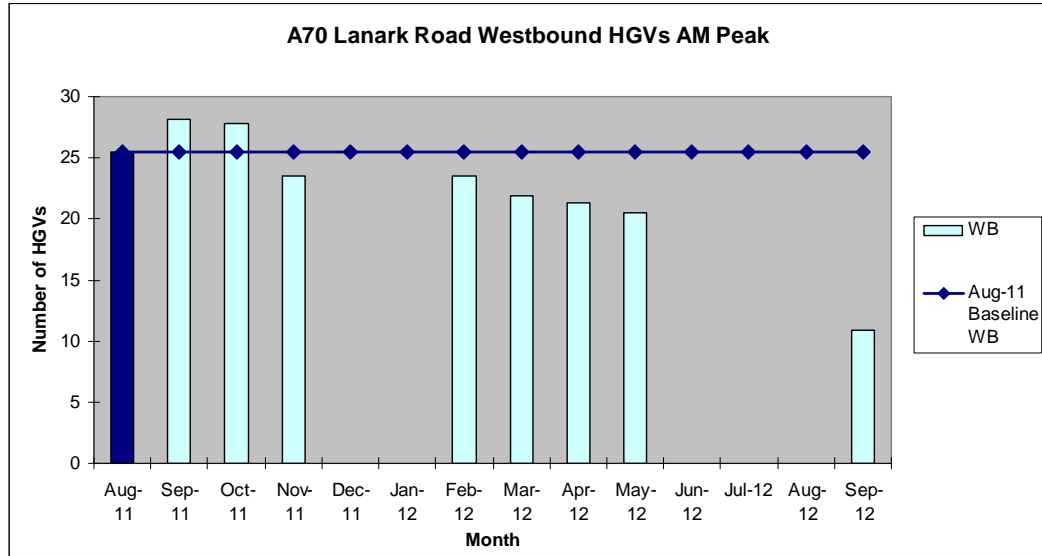


Figure 4-204 Monthly Westbound AM Peak HGV Flows on the A70 Lanark Road

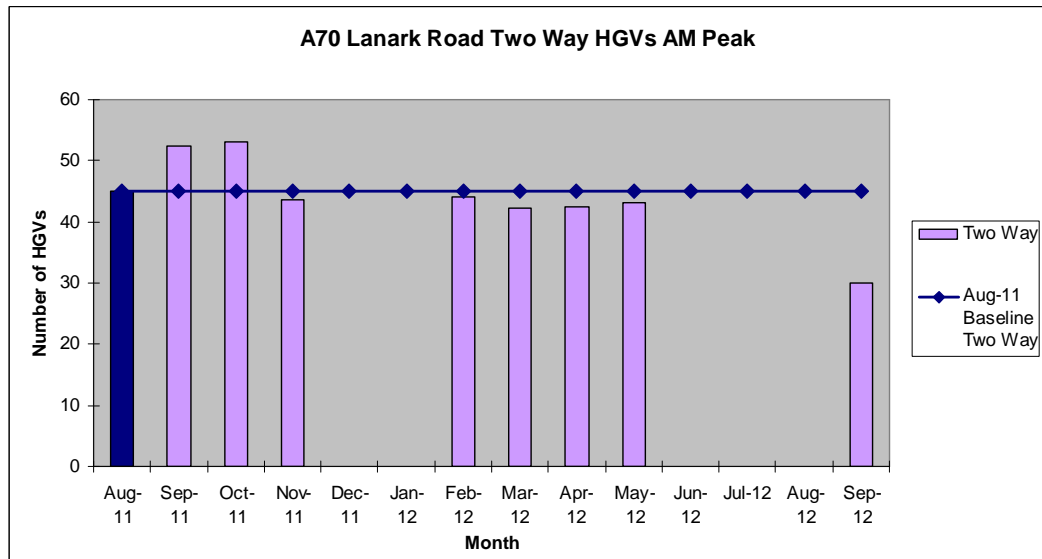


Figure 4-205 Monthly Two Way AM Peak HGV Flows on the A70 Lanark Road

4.11.6 Monthly Average PM Peak HG V Flows

Table 4-76 Site: JTC00605 PM Peak HG V Traffic Flows – August 2011 to September 2012

Counter	Location	Date	EB	WB	Two Way
JTC00605	A70 Lanark Road	Aug-11	26	33	60
		Sep-11	28	31	59
		Oct-11	28	29	57
		Nov-11	27	32	59
		Dec-11	No Data	No Data	No Data
		Jan-12	No Data	No Data	No Data
		Feb-12	28	33	61
		Mar-12	26	29	56
		Apr-12	23	24	47
		May-12	24	25	49
		Jun-12	No Data	No Data	No Data
		Jul-12	No Data	No Data	No Data
		Aug-12	No Data	No Data	No Data
		Sep-12	21	14	35
		Annual Average		26	30

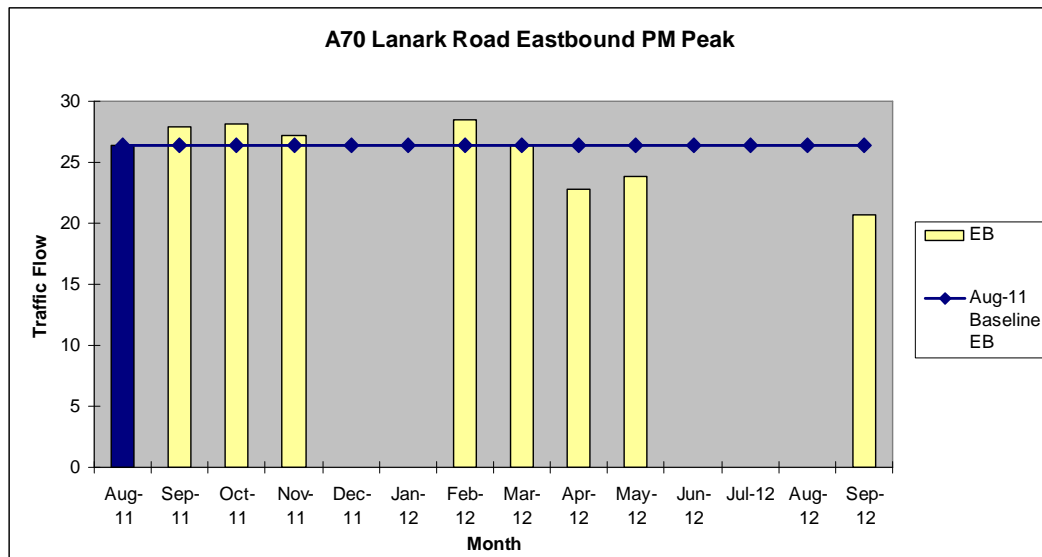


Figure 4-206 Monthly Eastbound PM HG V Peak Flows on the A70 Lanark Road

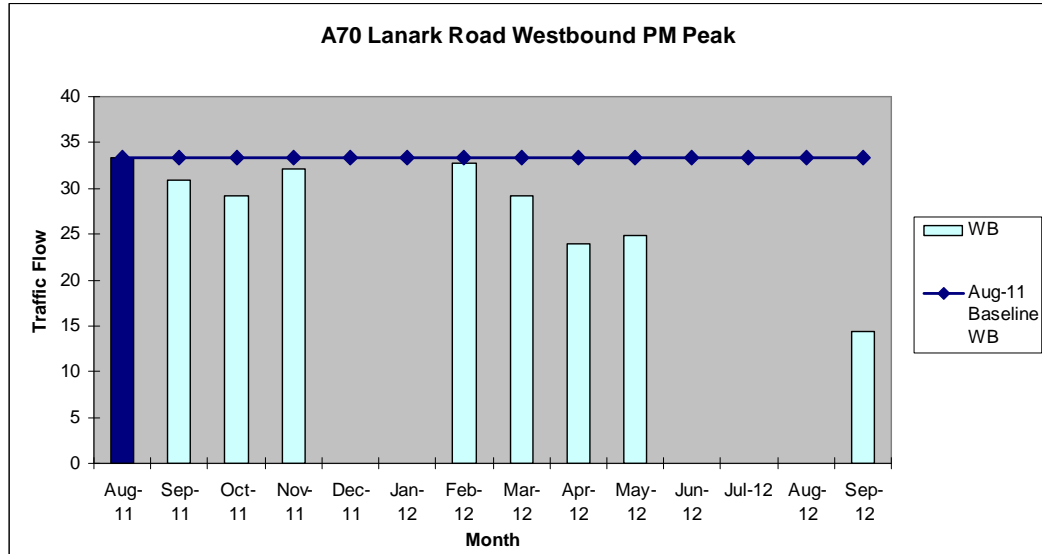


Figure 4-207 Monthly Westbound PM Peak HGV Flows on the A70 Lanark Road

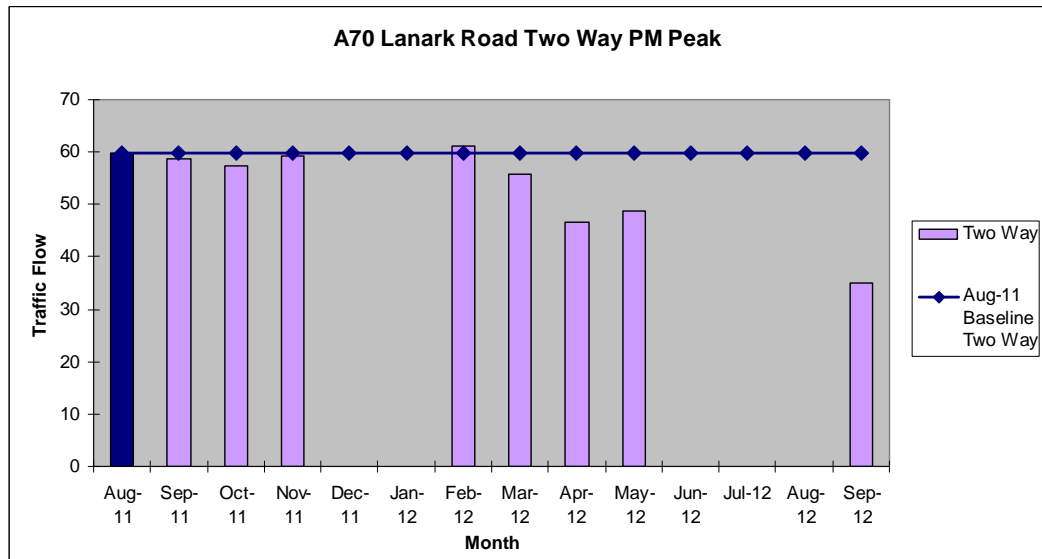


Figure 4-208 Monthly Two Way PM Peak HGV Flows on the A70 Lanark Road

4.11.7 Monthly Average All Vehicles Traffic Speeds

Table 4-77 Site: JTC00605 Average Monthly Traffic Speeds (KPH) (All Vehicles) – August 2011 to September 2012

Counter	Location	Date	EB	WB
JTC00605	A70 Lanark Road	Aug-11	42	47
		Sep-11	49	49
		Oct-11	49	49
		Nov-11	48	48
		Dec-11	No Data	No Data
		Jan-12	No Data	No Data
		Feb-12	48	48
		Mar-12	49	49
		Apr-12	50	50
		May-12	49	49
		Jun-12	No Data	No Data
		Jul-12	No Data	No Data
		Aug-12	No Data	No Data
		Sep-12	31	37

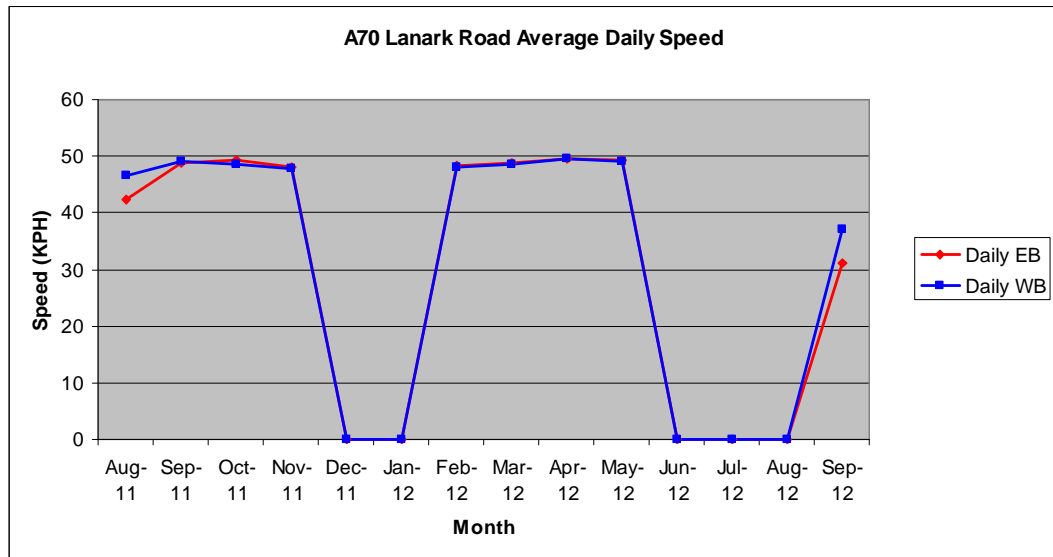


Figure 4-209 Average Monthly Traffic Speeds (KPH) on the A70 Lanark Road

4.12 Traffic Counter JTC00606 – A986 Kincardine Bridge

4.12.1 Monthly Average Traffic Flows

Table 3-78 Site: JTC00606 Annual Traffic Flows – August 2011 to September 2012

Counter	Location	Date	EB	WB	Two Way
JTC00606	A986 Kincardine Bridge	Aug-11	6,141	5,833	11,974
		Sep-11	6,262	5,900	12,161
		Oct-11	6,225	6,010	12,235
		Nov-11	6,012	5,702	11,714
		Dec-11	5,390	5,163	10,553
		Jan-12	No Data	No Data	No Data
		Feb-12	6,292	5,960	12,253
		Mar-12	6,607	6,278	12,884
		Apr-12	6,384	6,105	12,489
		May-12	6,808	6,377	13,185
		Jun-12	6,591	6,229	12,820
		Jul-12	6,281	5,942	12,223
		Aug-12	6,897	6,516	13,413
		Sep-12	6,573	6,161	12,733
			Annual Average		6,272

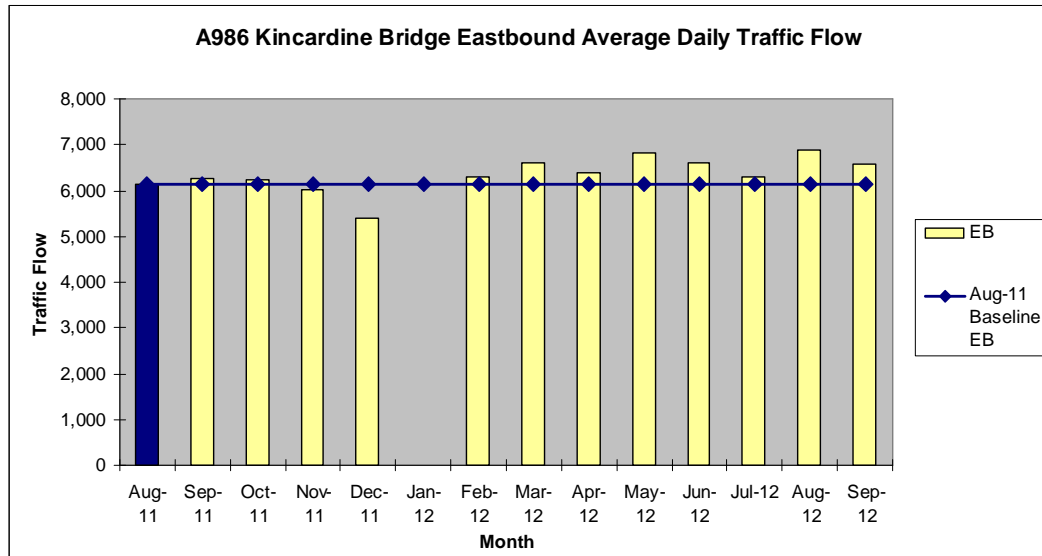


Figure 4-210 Monthly Eastbound AADTs on the A986 Kincardine Bridge

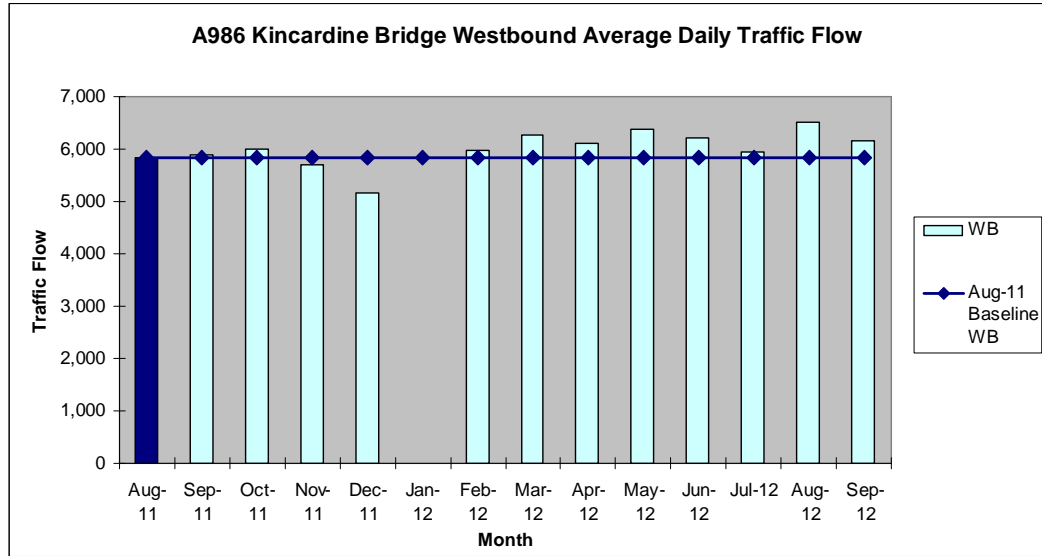


Figure 4-211 Monthly Westbound AADTs on the A986 Kincardine Bridge

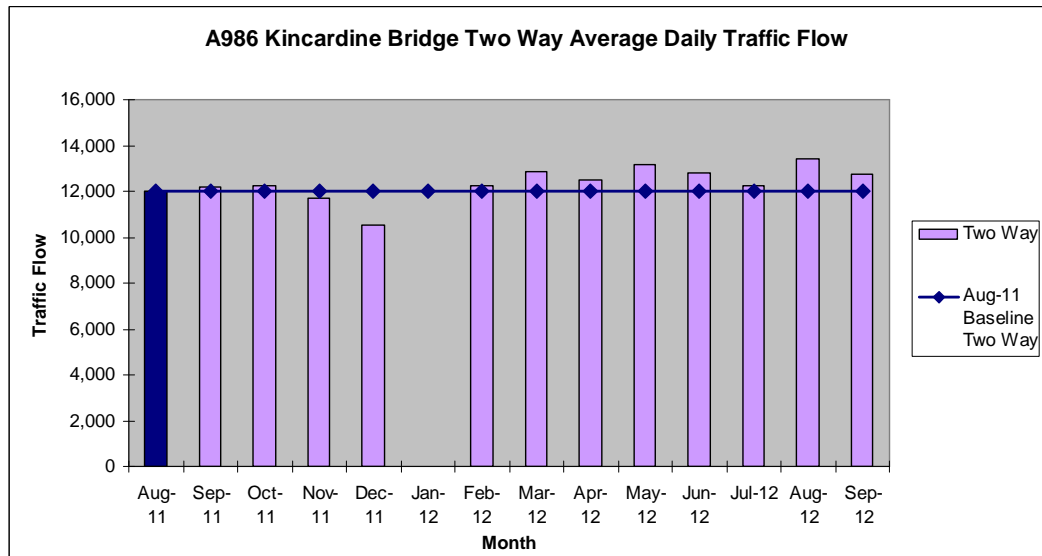


Figure 4-212 Monthly Two Way Daily Traffic Flows on the A986 Kincardine Bridge

4.12.2 Monthly Average AM Peak Traffic Flows

Table 4-79 Site: JTC00606 AM Peak Traffic Flows – August 2011 to September 2012

Counter	Location	Date	EB	WB	Two Way
JTC00606	A986 Kincardine Bridge	Aug-11	1,316	1,217	2,533
		Sep-11	1,399	1,255	2,654
		Oct-11	1,305	1,180	2,486
		Nov-11	1,334	1,156	2,490
		Dec-11	1,143	1,021	2,164
		Jan-12	No Data	No Data	No Data
		Feb-12	1,418	1,245	2,663
		Mar-12	1,426	1,321	2,747
		Apr-12	1,296	1,250	2,546
		May-12	1,414	1,381	2,795
		Jun-12	1,344	1,295	2,639
		Jul-12	1,235	1,198	2,433
		Aug-12	1,437	1,344	2,781
		Sep-12	1,377	1,295	2,673
			Annual Average		1,330

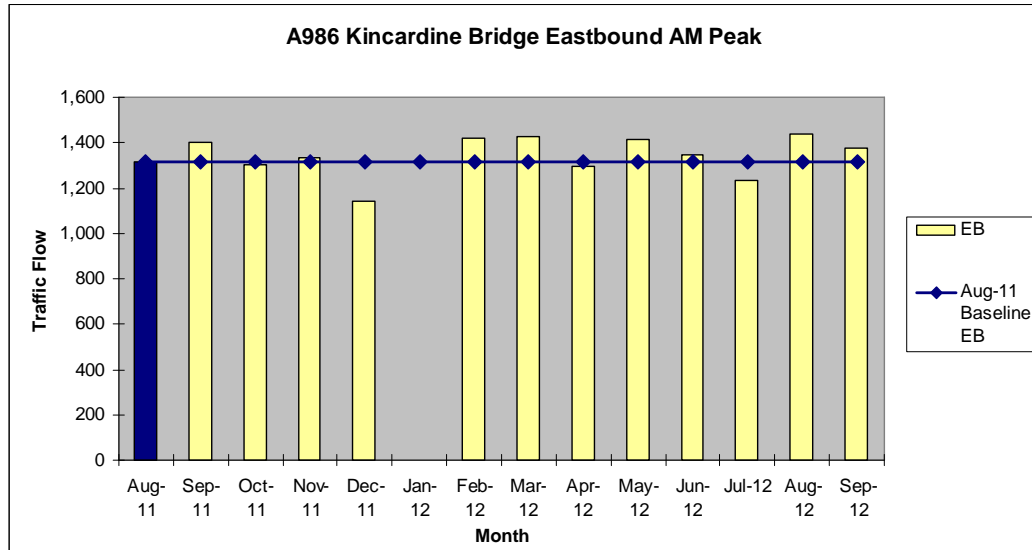


Figure 4-213 Monthly Eastbound AM Peak Flows on the A986 Kincardine Bridge

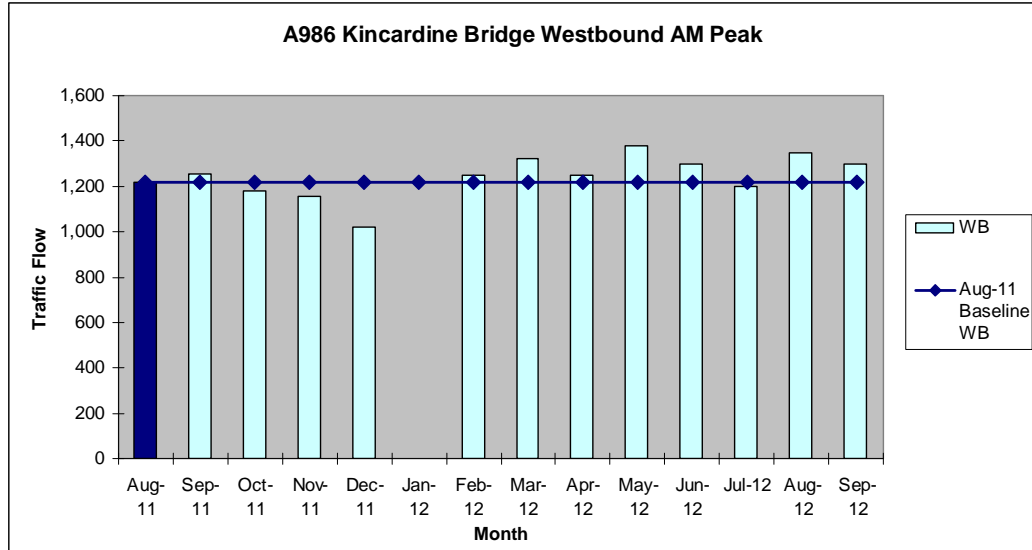


Figure 4-214 Monthly Westbound AM Peak Flows on the A986 Kincardine Bridge

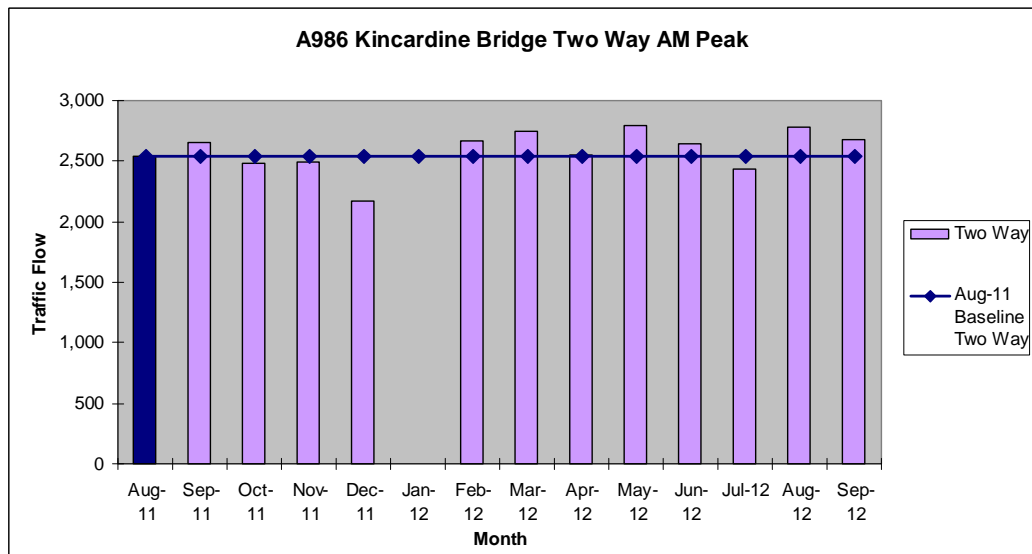


Figure 4-215 Monthly Two Way AM Peak Flows on the A986 Kincardine Bridge

4.12.3 Monthly Average PM Peak Traffic Flows

Table 4-80 Site: JTC00606 PM Peak Traffic Flows – August 2011 to September 2012

Counter	Location	Date	EB	WB	Two Way
JTC00606	A986 Kincardine Bridge	Aug-11	1,540	1,432	2,972
		Sep-11	1,567	1,527	3,094
		Oct-11	1,641	1,586	3,227
		Nov-11	1,571	1,474	3,045
		Dec-11	1,391	1,281	2,672
		Jan-12	No Data	No Data	No Data
		Feb-12	1,631	1,572	3,203
		Mar-12	1,708	1,623	3,331
		Apr-12	1,631	1,539	3,169
		May-12	1,773	1,630	3,403
		Jun-12	1,653	1,554	3,207
		Jul-12	1,553	1,515	3,068
		Aug-12	1,762	1,718	3,480
		Sep-12	1,665	1,591	3,255
	Annual Average		1,605	1,521	3,126

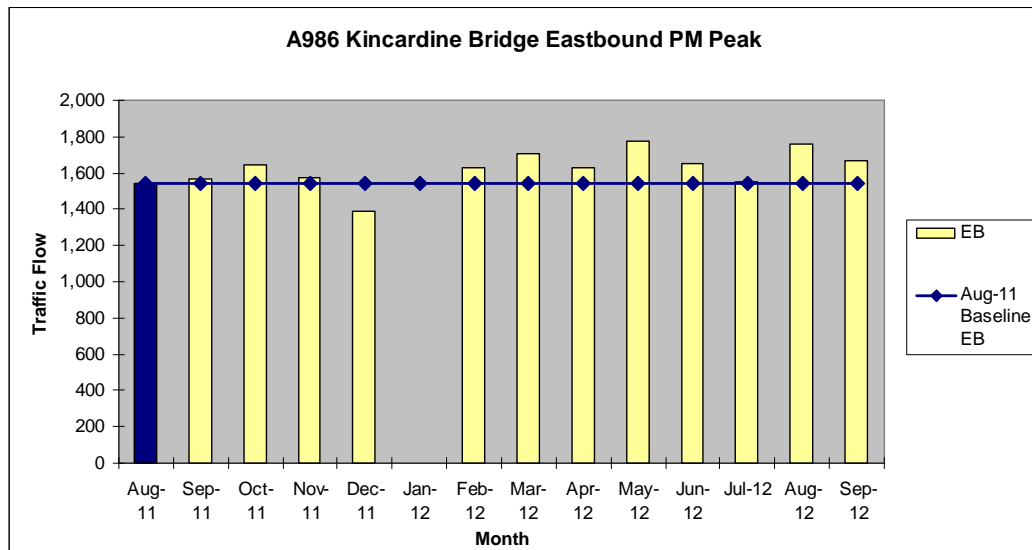


Figure 4-216 Monthly Eastbound PM Peak Flows on the A986 Kincardine Bridge

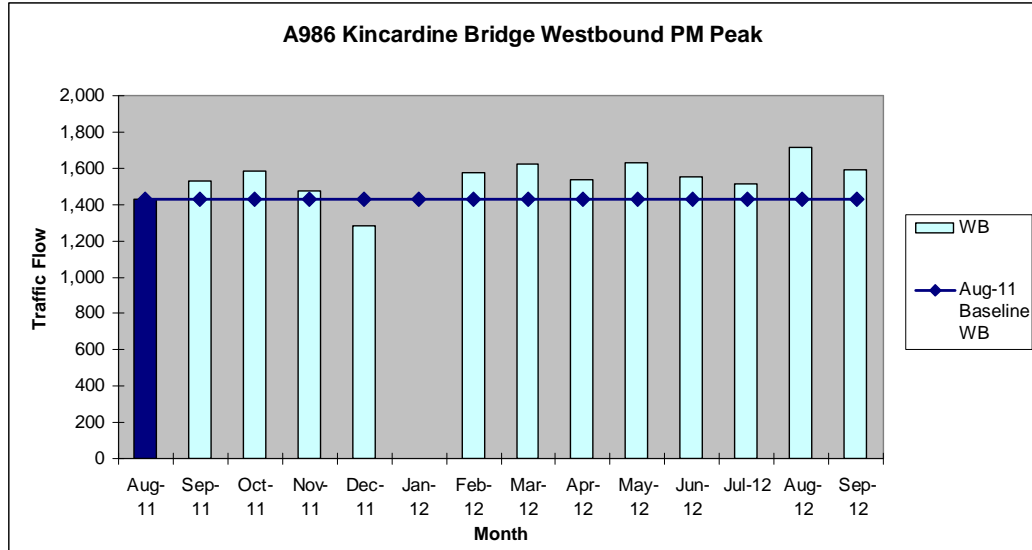


Figure 4-217 Monthly Westbound PM Peak Flows on the A986 Kincardine Bridge

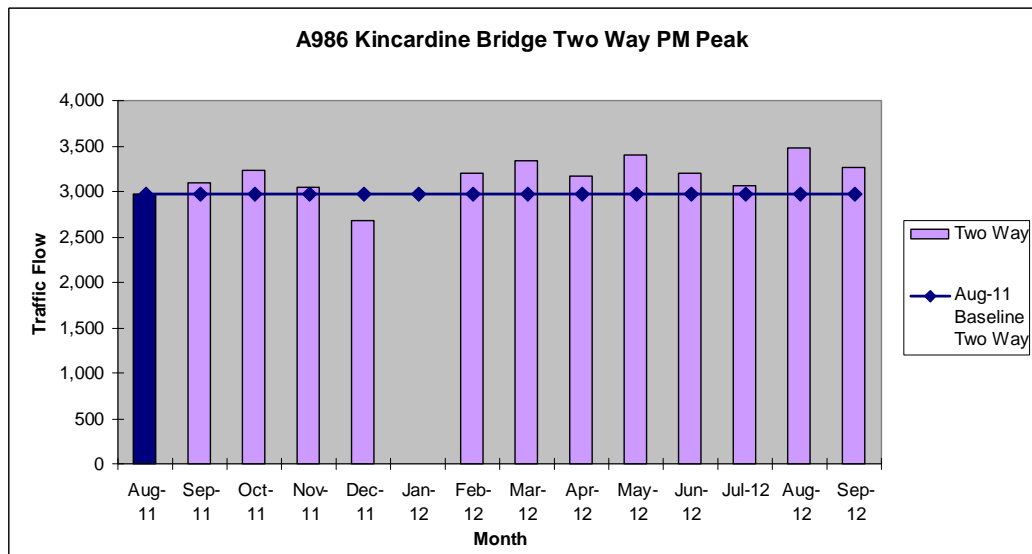


Figure 4-218 Monthly Two Way PM Peak Flows on the A986 Kincardine Bridge

4.12.4 Monthly Average HGV Flows

Table 4-81 Site: JTC00606 Annual HGV Traffic Flows – August 2011 to September 2012

Counter	Location	Date	EB	WB	Two Way
JTC00606	A986 Kincardine Bridge	Aug-11	215	226	442
		Sep-11	248	257	505
		Oct-11	252	269	521
		Nov-11	241	254	495
		Dec-11	283	304	587
		Jan-12	No Data	No Data	No Data
		Feb-12	282	280	562
		Mar-12	274	278	552
		Apr-12	245	246	491
		May-12	276	277	552
		Jun-12	262	266	528
		Jul-12	256	268	523
		Aug-12	298	306	604
		Sep-12	298	293	591
		Annual Average		258	266

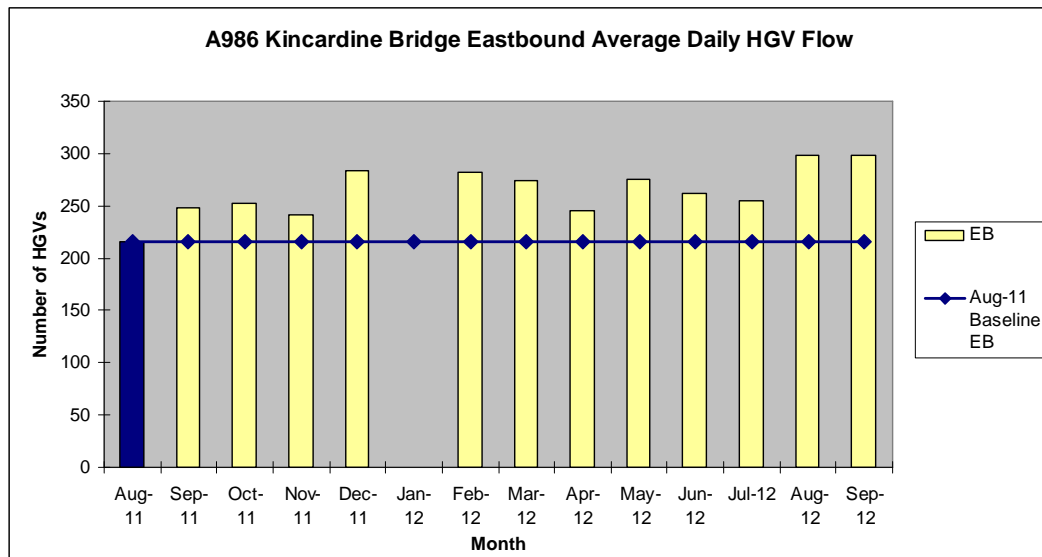


Figure 4-219 Monthly Eastbound HGV Flows on the A986 Kincardine Bridge

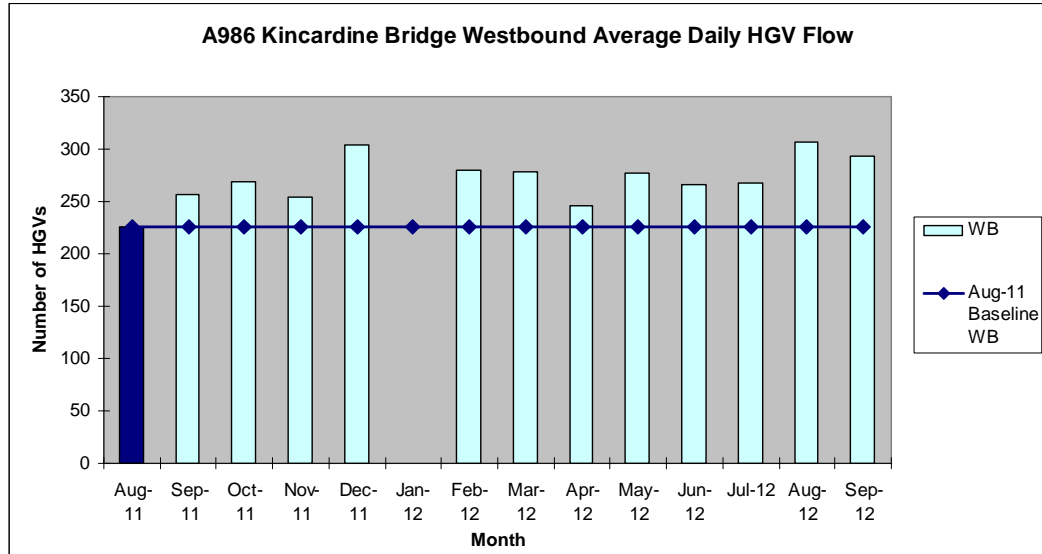


Figure 4-220 Monthly Westbound HGVS Flows on the A986 Kincardine Bridge

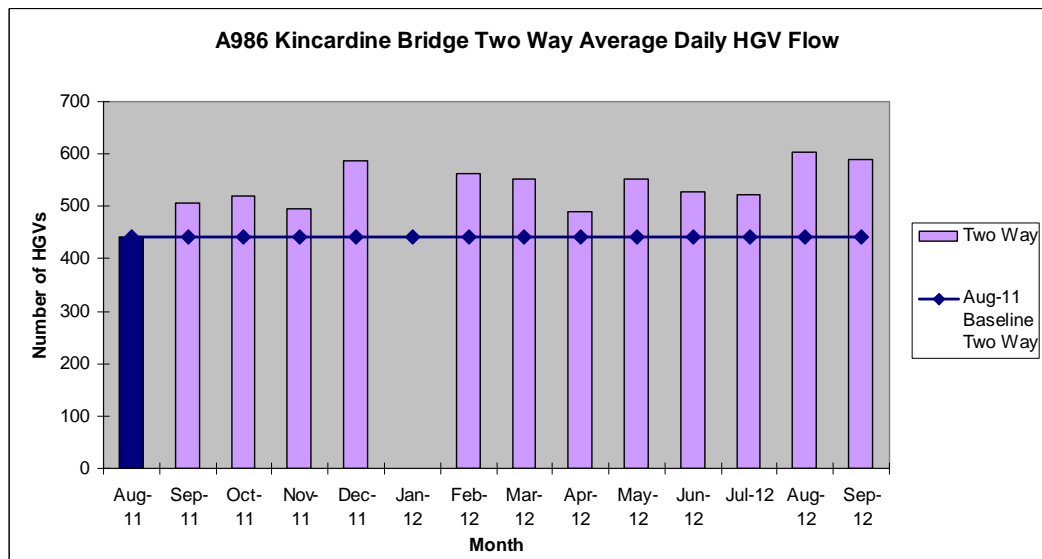


Figure 4-221 Monthly Two Way HGVS Flows on the A986 Kincardine Bridge

4.12.5 Monthly Average AM Peak HGV Flows

Table 4-82 Site: JTC00606 AM Peak HGV Traffic Flows – August 2011 to September 2012

Counter	Location	Date	EB	WB	Two Way
JTC00606	A986 Kincardine Bridge	Aug-11	52	52	104
		Sep-11	56	54	110
		Oct-11	55	56	111
		Nov-11	53	42	95
		Dec-11	53	40	93
		Jan-12	No Data	No Data	No Data
		Feb-12	57	44	101
		Mar-12	61	52	113
		Apr-12	58	57	116
		May-12	62	62	123
		Jun-12	61	62	123
		Jul-12	55	59	114
		Aug-12	70	72	141
		Sep-12	72	66	138
		Annual Average	57	53	109

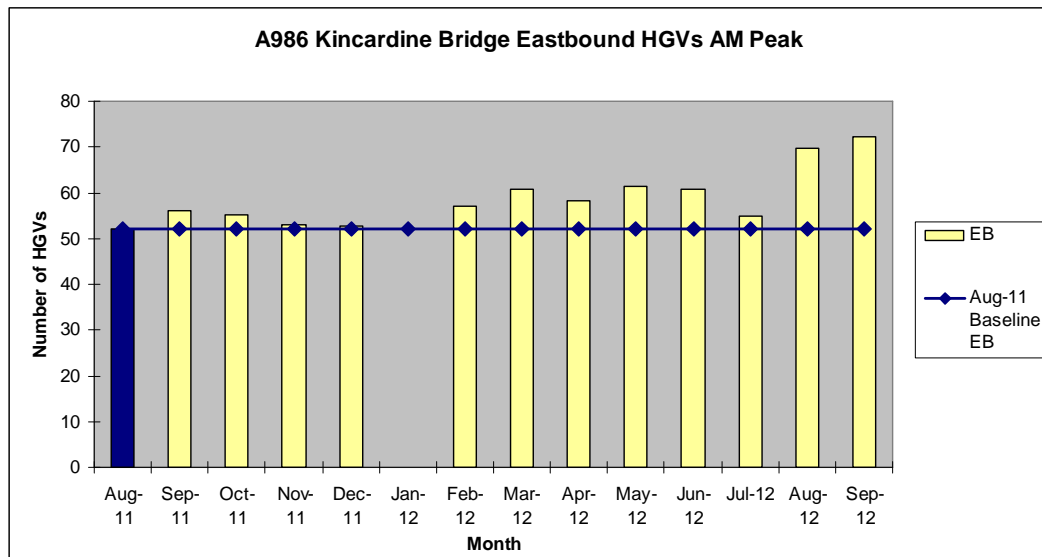


Figure 4-222 Monthly Eastbound AM Peak HGV Flows on the A986 Kincardine Bridge

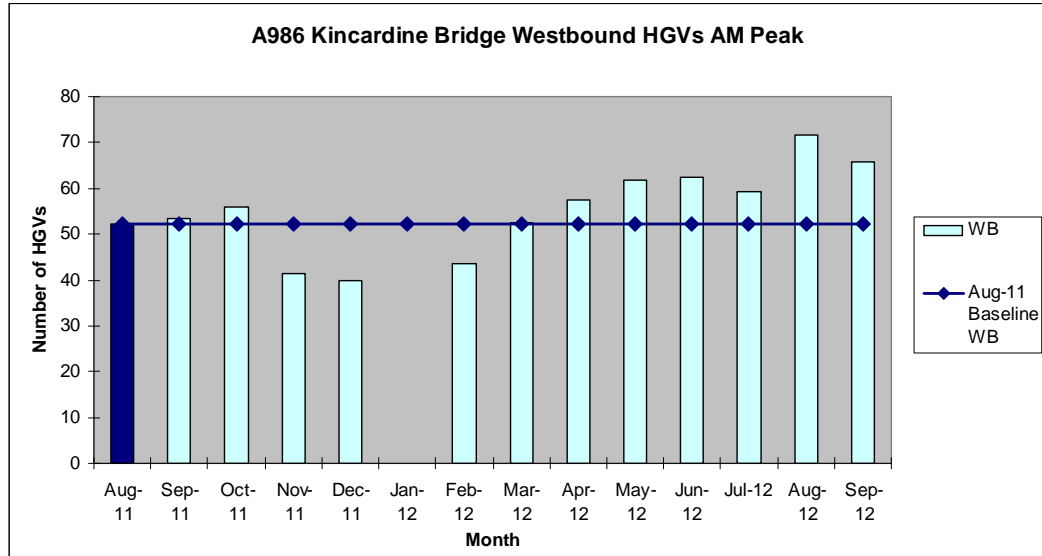


Figure 4-223 Monthly Westbound AM Peak HGV Flows on the A986 Kincardine Bridge

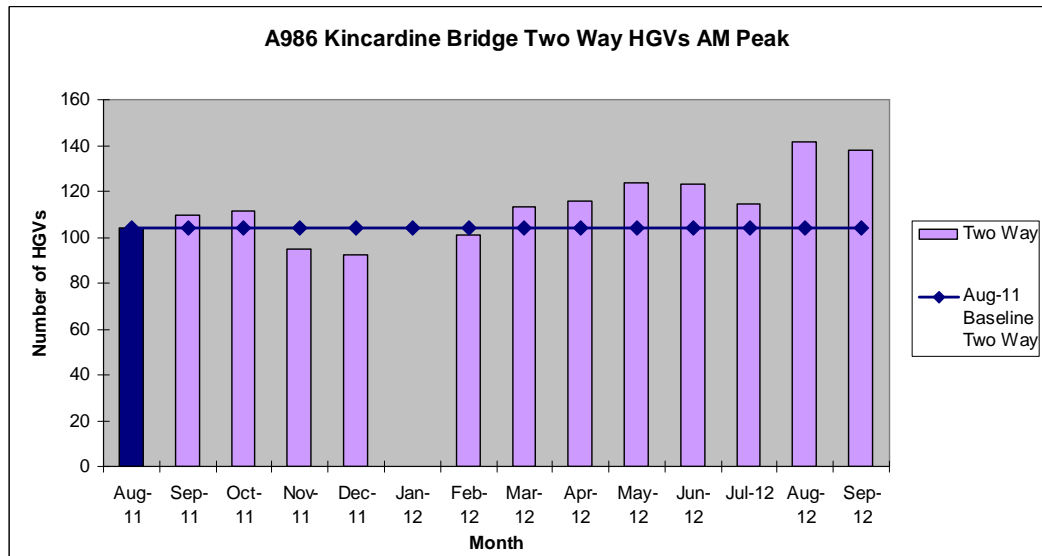


Figure 4-224 Monthly Two Way AM Peak HGV Flows on the A986 Kincardine Bridge

4.12.6 Monthly Average PM Peak HGV Flows

Table 4-83 Site: JTC00606 PM Peak HGV Traffic Flows – August 2011 to September 2012

Counter	Location	Date	EB	WB	Two Way
JTC00606	A986 Kincardine Bridge	Aug-11	30	49	79
		Sep-11	39	59	98
		Oct-11	40	61	101
		Nov-11	46	65	110
		Dec-11	60	78	138
		Jan-12	No Data	No Data	No Data
		Feb-12	62	72	134
		Mar-12	55	69	124
		Apr-12	39	56	95
		May-12	42	60	102
		Jun-12	36	54	90
		Jul-12	38	55	93
		Aug-12	44	67	111
		Sep-12	46	64	110
			Annual Average	44	62

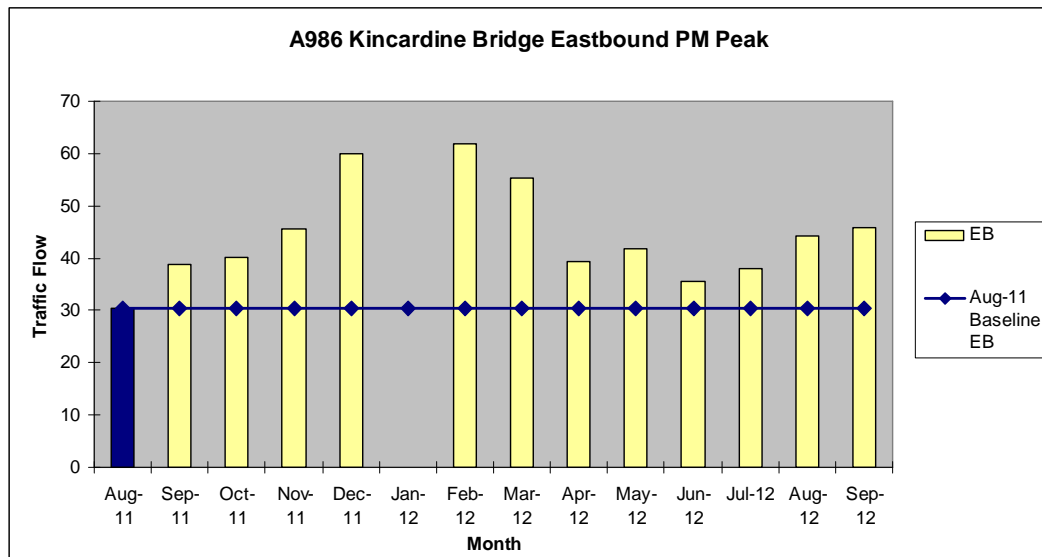


Figure 4-225 Monthly Eastbound PM HGV Peak Flows on the A986 Kincardine Bridge

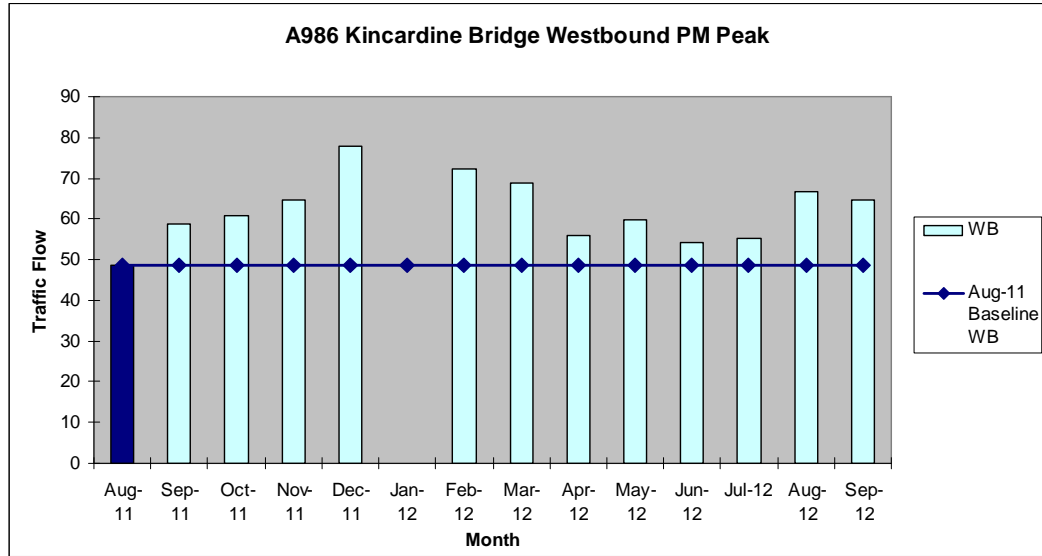


Figure 4-226 Monthly Westbound PM Peak HG V Flows on the A986 Kincardine Bridge

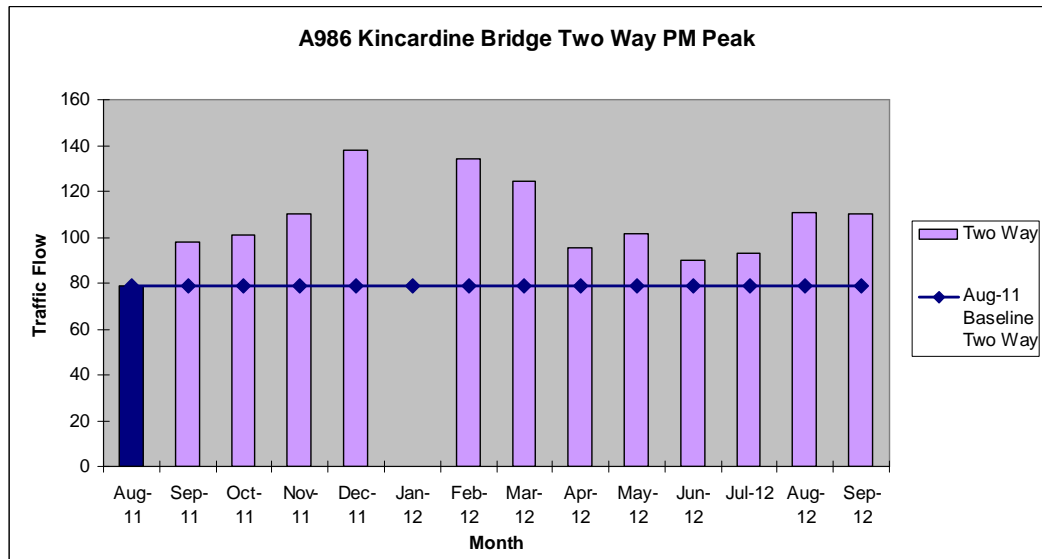


Figure 4-227 Monthly Two Way PM Peak HG V Flows on the A986 Kincardine Bridge

4.12.7 Monthly Average All Vehicles Traffic Speeds

Table 4-84 Site: JTC00606 Average Monthly Traffic Speeds (KPH) (All Vehicles) – August 2011 to September 2012

Counter	Location	Date	EB	WB
JTC00606	A986 Kincardine Bridge	Aug-11	48	48
		Sep-11	48	48
		Oct-11	48	47
		Nov-11	48	47
		Dec-11	43	42
		Jan-12	43	42
		Feb-12	48	46
		Mar-12	48	47
		Apr-12	48	48
		May-12	48	48
		Jun-12	48	48
		Jul-12	48	48
		Aug-12	48	47
Sep-12	48	47		

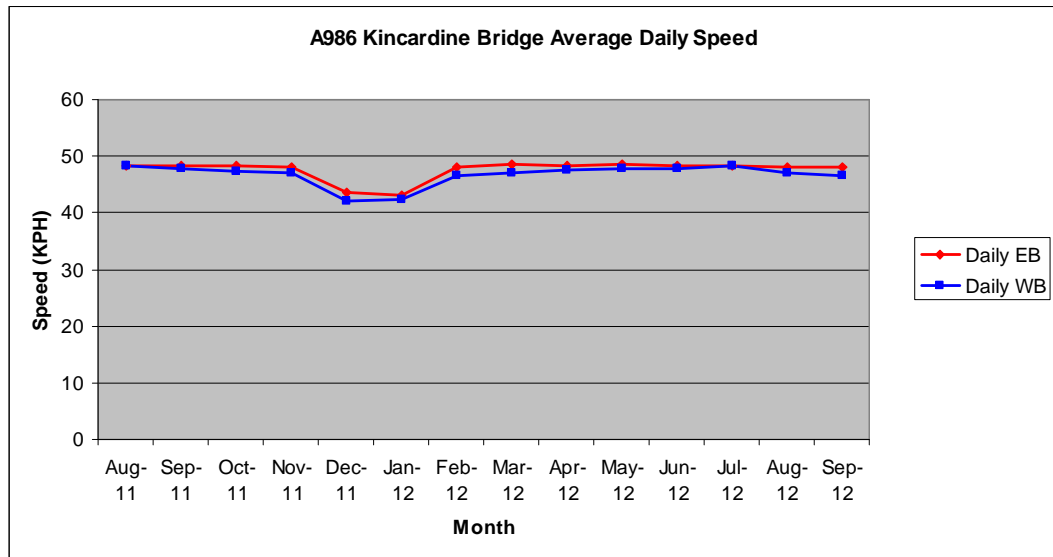


Figure 4-228 Average Monthly Traffic Speeds (KPH) on the A986 Kincardine Bridge

4.13 Traffic Counter JTC00607 – A9 Causewayhead Road (Stirling)

4.13.1 Monthly Average Traffic Flows

Table 3-85 Site: JTC00607 Annual Traffic Flows – August 2011 to September 2012

Counter	Location	Date	NB	SB	Two Way
JTC00607	A9 Causewayhead Road (Stirling)	Aug-11	10,750	11,136	21,886
		Sep-11	10,850	11,430	22,279
		Oct-11	10,579	11,018	21,597
		Nov-11	10,785	11,233	22,018
		Dec-11	9,705	9,970	19,675
		Jan-12	8,535	8,709	17,244
		Feb-12	10,739	11,084	21,824
		Mar-12	11,288	11,800	23,088
		Apr-12	10,781	11,119	21,900
		May-12	11,342	11,867	23,209
		Jun-12	10,845	11,087	21,932
		Jul-12	9,455	9,822	19,276
		Aug-12	10,752	11,048	21,800
		Sep-12	11,026	11,452	22,478
		Annual Average			10,471

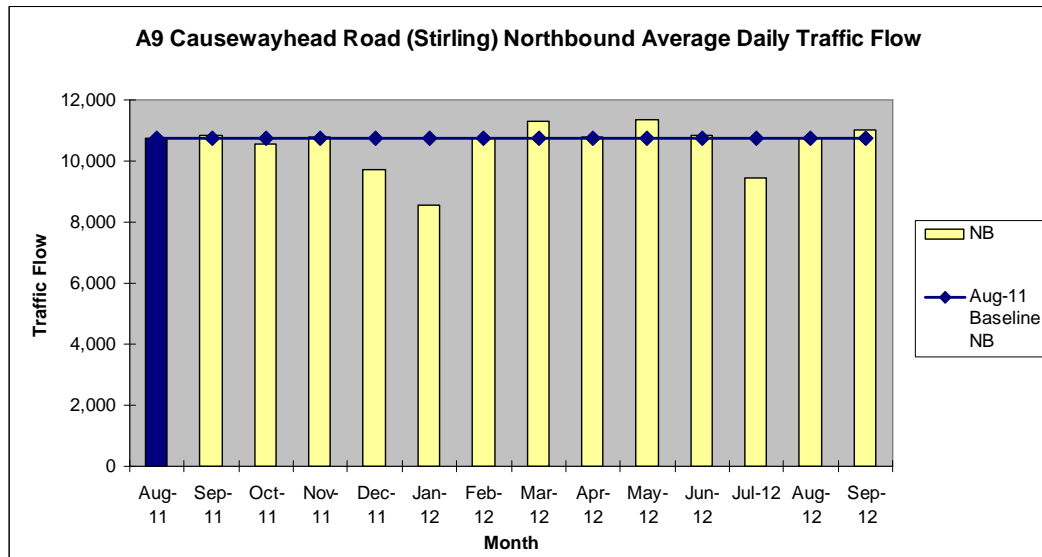


Figure 4-229 Monthly Northbound AADTs on the A9 Causewayhead Road (Stirling)

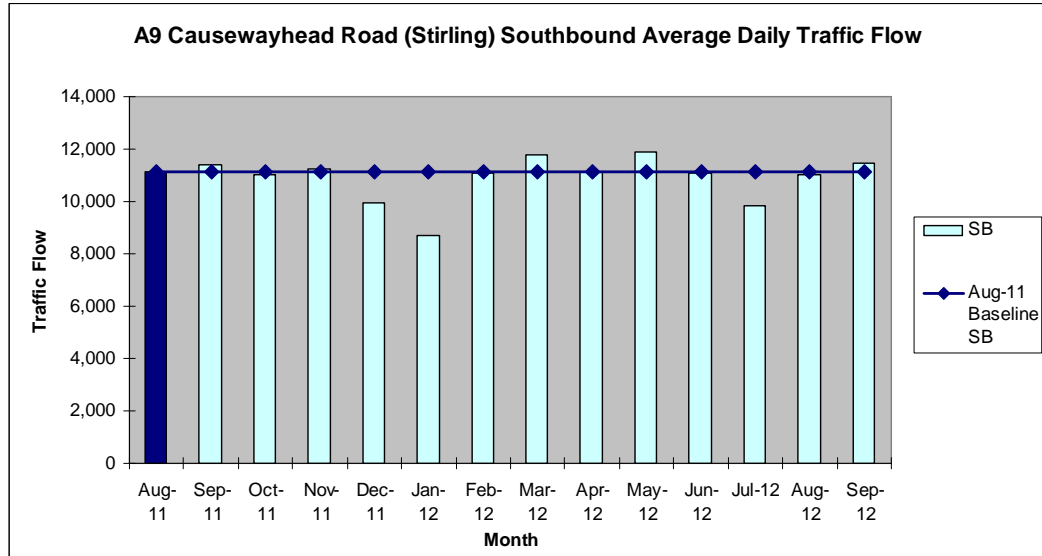


Figure 4-230 Monthly Southbound AADTs on the A9 Causewayhead Road (Stirling)

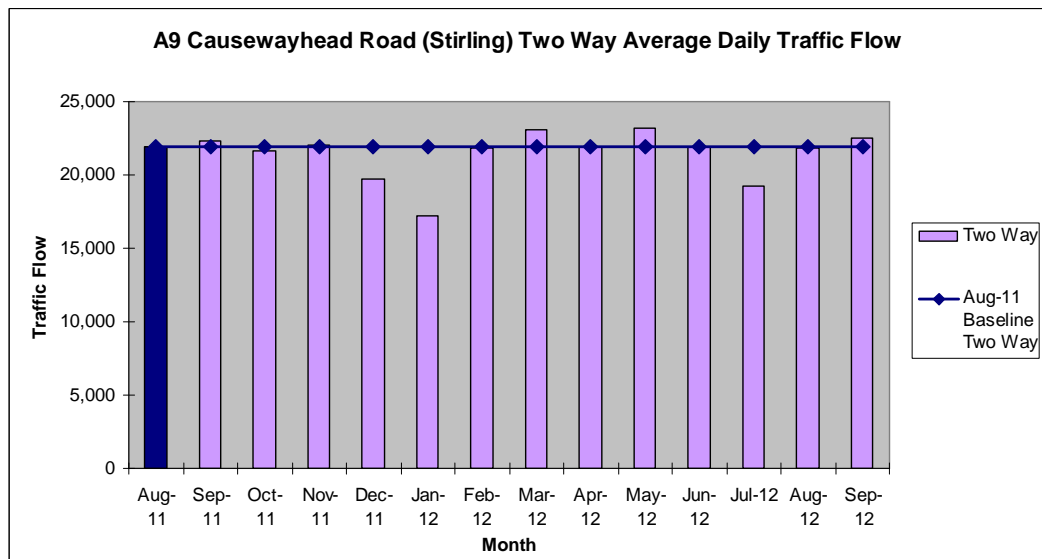


Figure 4-231 Monthly Two Way Daily Traffic Flows on the A9 Causewayhead Road (Stirling)

4.13.2 Monthly Average AM Peak Traffic Flows

Table 4-86 Site: JTC00607 AM Peak Traffic Flows – August 2011 to September 2012

Counter	Location	Date	NB	SB	Two Way
JTC00607	A9 Causewayhead Road (Stirling)	Aug-11	1,346	2,027	3,373
		Sep-11	1,473	2,101	3,574
		Oct-11	1,365	1,923	3,288
		Nov-11	1,024	1,570	2,593
		Dec-11	1,010	1,495	2,505
		Jan-12	1,186	1,710	2,896
		Feb-12	1,421	2,028	3,449
		Mar-12	1,637	2,194	3,831
		Apr-12	1,674	2,134	3,808
		May-12	1,843	2,387	4,229
		Jun-12	1,722	2,219	3,942
		Jul-12	1,404	1,927	3,331
		Aug-12	1,655	2,216	3,871
		Sep-12	1,797	2,279	4,076
	Annual Average		1,425	1,976	3,402

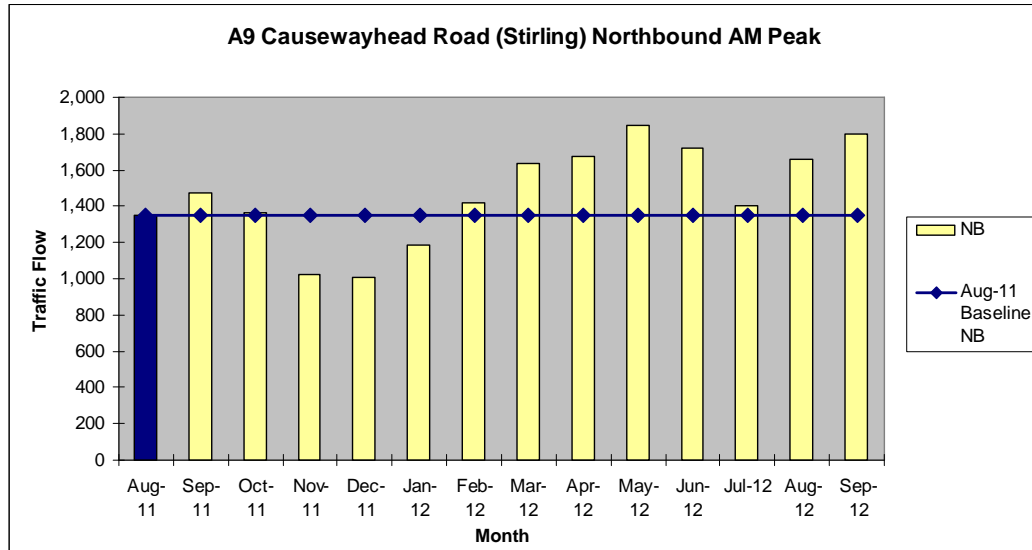


Figure 4-232 Monthly Northbound AM Peak Flows on the A9 Causewayhead Road (Stirling)

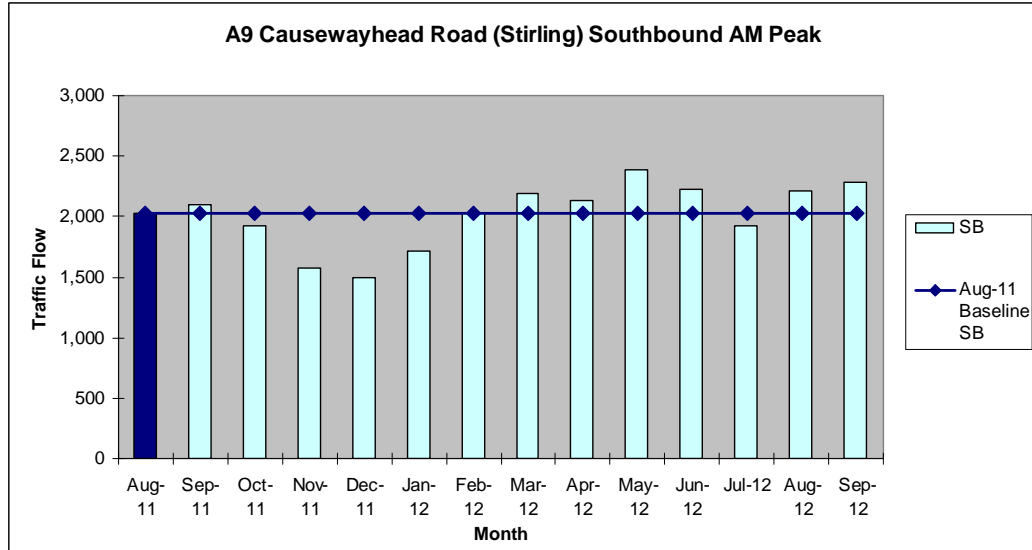


Figure 4-233 Monthly Southbound AM Peak Flows on the A9 Causewayhead Road (Stirling)

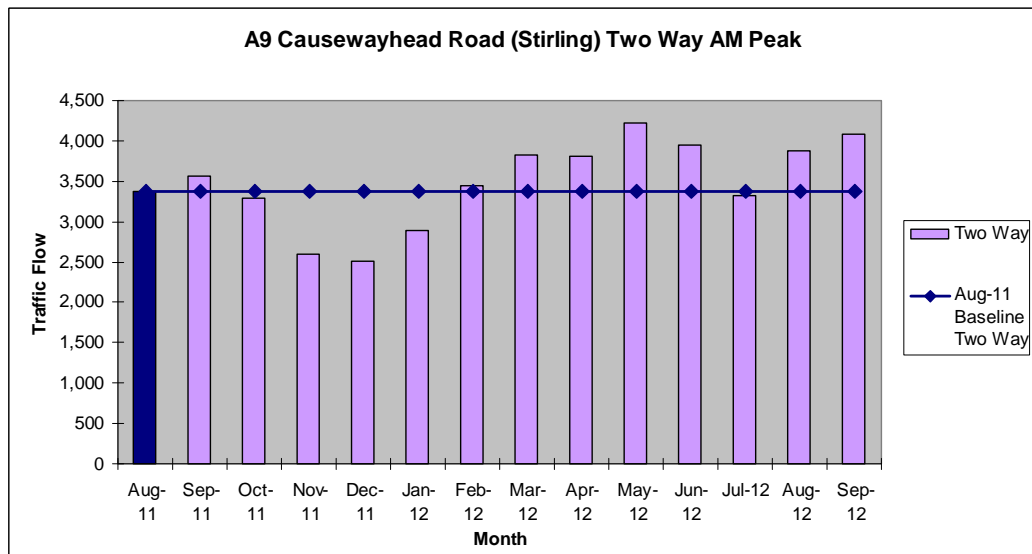


Figure 4-234 Monthly Two Way AM Peak Flows on the A9 Causewayhead Road (Stirling)

4.13.3 Monthly Average PM Peak Traffic Flows

Table 4-87 Site: JTC00607 PM Peak Traffic Flows – August 2011 to September 2012

Counter	Location	Date	NB	SB	Two Way
JTC00607	A9 Causewayhead Road (Stirling)	Aug-11	2,796	2,276	5,072
		Sep-11	2,720	2,408	5,128
		Oct-11	2,675	2,330	5,005
		Nov-11	2,721	2,474	5,195
		Dec-11	2,434	2,179	4,613
		Jan-12	2,220	1,782	4,002
		Feb-12	2,731	2,321	5,052
		Mar-12	2,733	2,449	5,181
		Apr-12	2,406	2,088	4,494
		May-12	2,498	2,186	4,684
		Jun-12	2,398	2,023	4,421
		Jul-12	2,140	1,791	3,931
		Aug-12	2,456	2,044	4,500
		Sep-12	2,461	2,167	4,628
				Annual Average	2,539

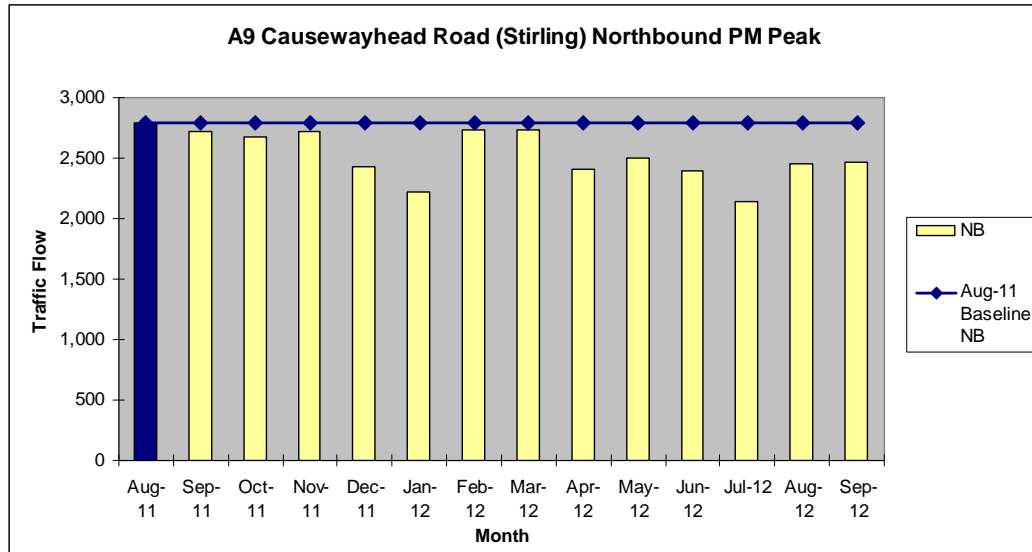


Figure 4-235 Monthly Northbound PM Peak Flows on the A9 Causewayhead Road (Stirling)

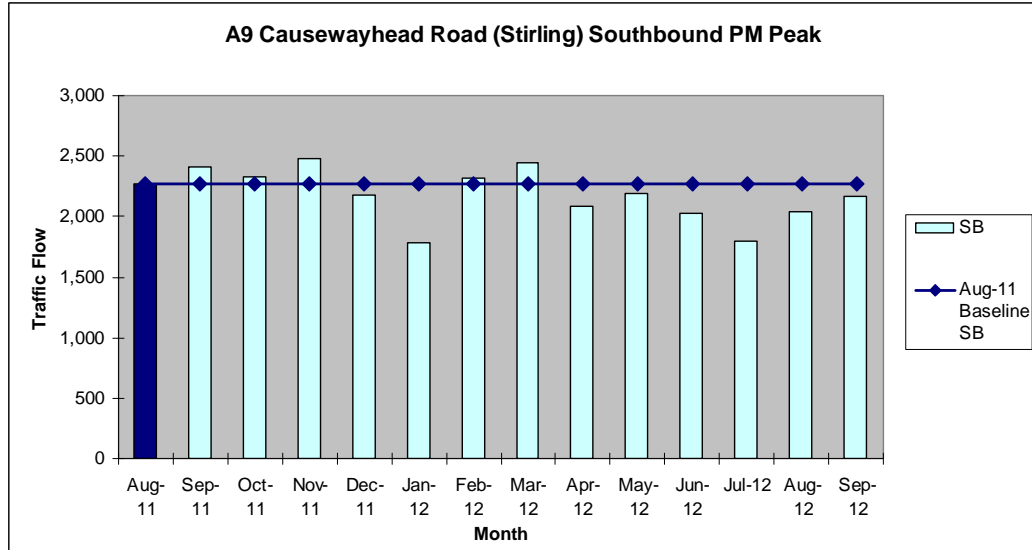


Figure 4-236 Monthly Southbound PM Peak Flows on the A9 Causewayhead Road (Stirling)

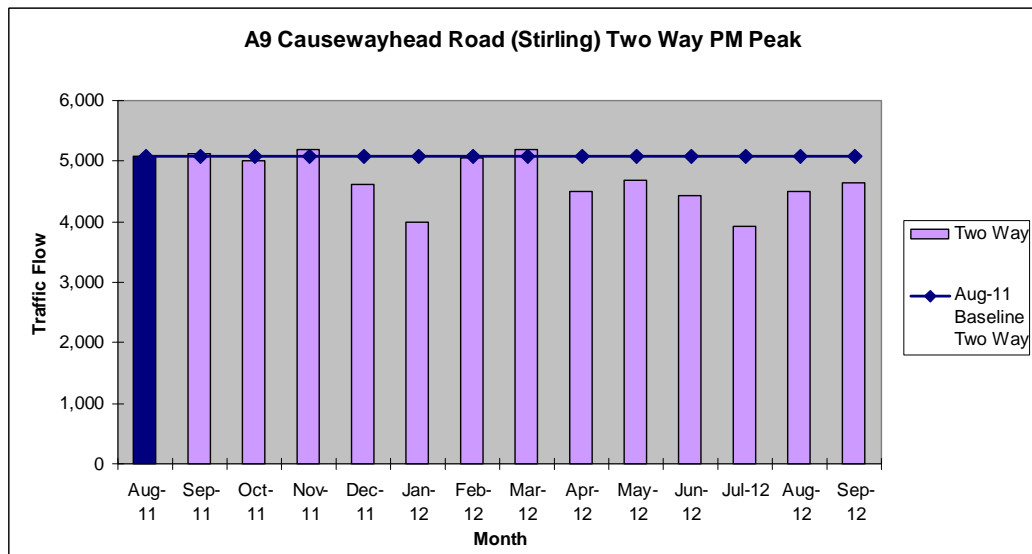


Figure 4-237 Monthly Two Way PM Peak Flows on the A9 Causewayhead Road (Stirling)

4.13.4 Monthly Average HGV Flows

Table 4-88 Site: JTC00607 Annual HGV Traffic Flows – August 2011 to September 2012

Counter	Location	Date	NB	SB	Two Way
JTC00607	A9 Causewayhead Road (Stirling)	Aug-11	226	262	488
		Sep-11	229	294	523
		Oct-11	218	301	519
		Nov-11	211	303	514
		Dec-11	220	289	509
		Jan-12	172	211	382
		Feb-12	217	282	499
		Mar-12	223	306	529
		Apr-12	219	291	510
		May-12	229	304	533
		Jun-12	206	246	452
		Jul-12	182	232	414
		Aug-12	215	251	465
		Sep-12	212	288	500
		Annual Average			213

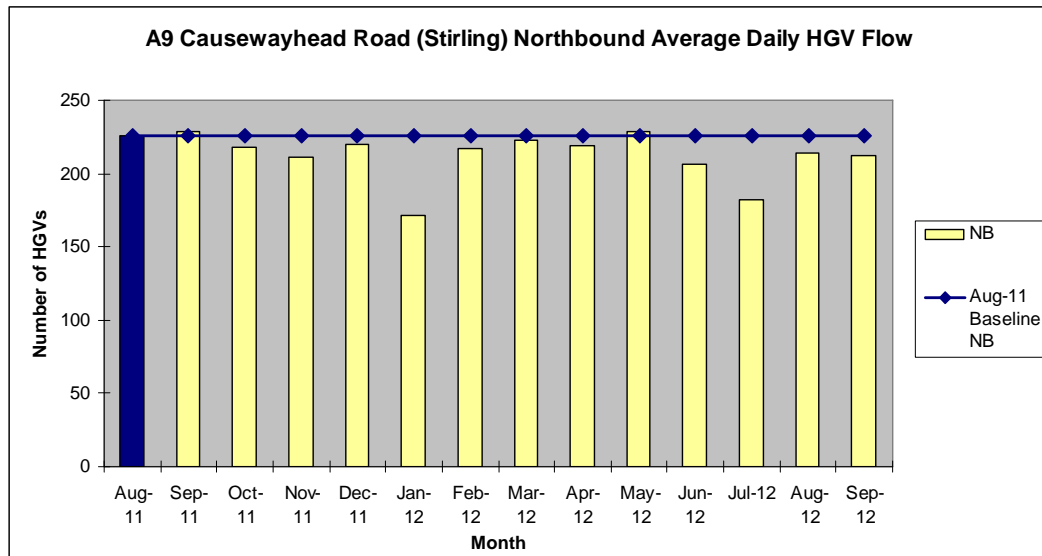


Figure 4-238 Monthly Eastbound HGV Flows on the A9 Causewayhead Road (Stirling)

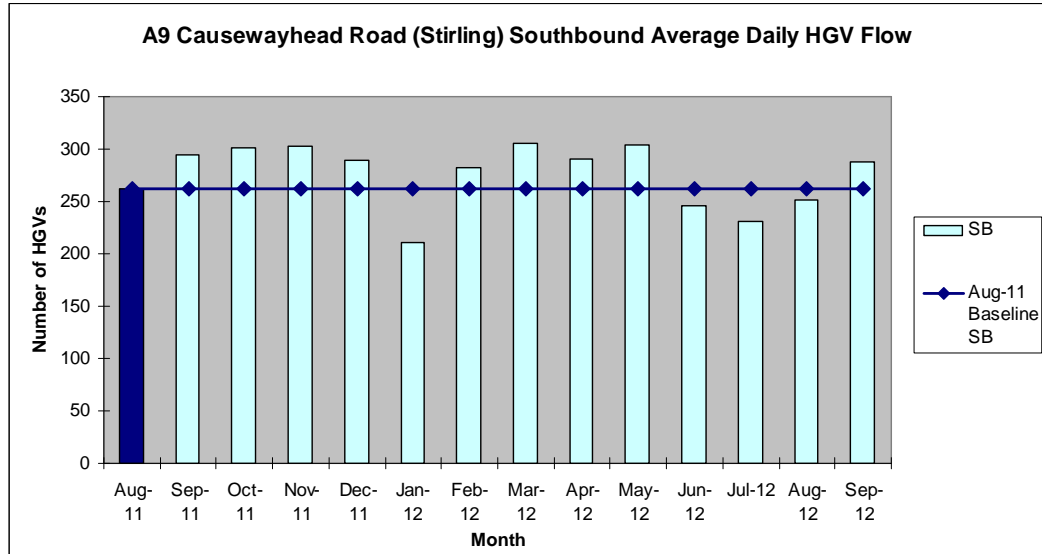


Figure 4-239 Monthly Westbound HGVS on the A9 Causewayhead Road (Stirling)

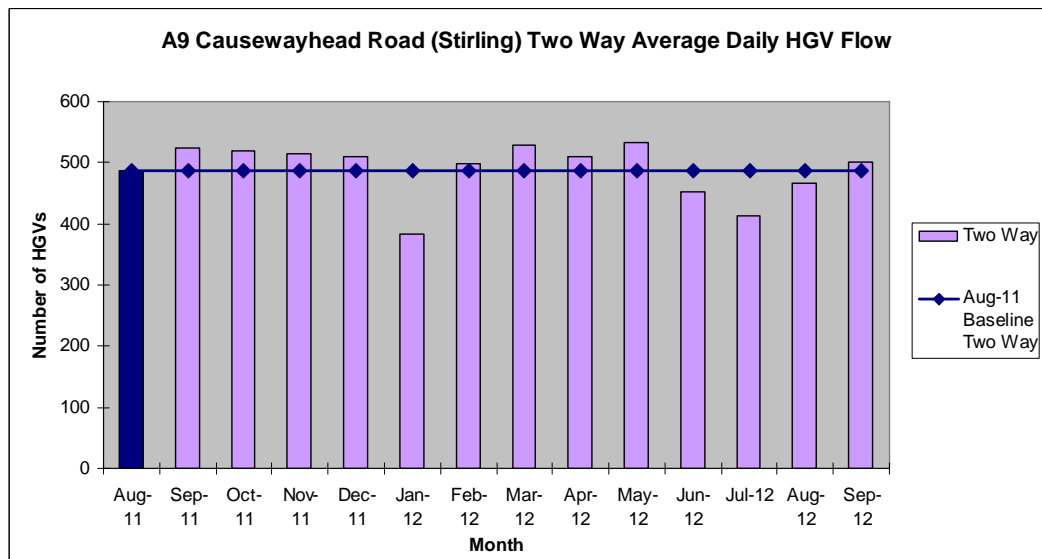


Figure 4-240 Monthly Two Way HGVS on the A9 Causewayhead Road (Stirling)

4.13.5 Monthly Average AM Peak HGV Flows

Table 4-89 Site: JTC00607 AM Peak HGV Traffic Flows – August 2011 to September 2012

Counter	Location	Date	EB	WB	Two Way
JTC00607	A9 Causewayhead Road (Stirling)	Aug-11	44	48	92
		Sep-11	43	54	97
		Oct-11	39	51	90
		Nov-11	27	34	61
		Dec-11	27	31	58
		Jan-12	34	40	74
		Feb-12	41	52	93
		Mar-12	42	57	98
		Apr-12	48	64	112
		May-12	50	66	116
		Jun-12	45	54	99
		Jul-12	39	50	89
		Aug-12	47	56	103
		Sep-12	46	64	110
Annual Average			40	50	90

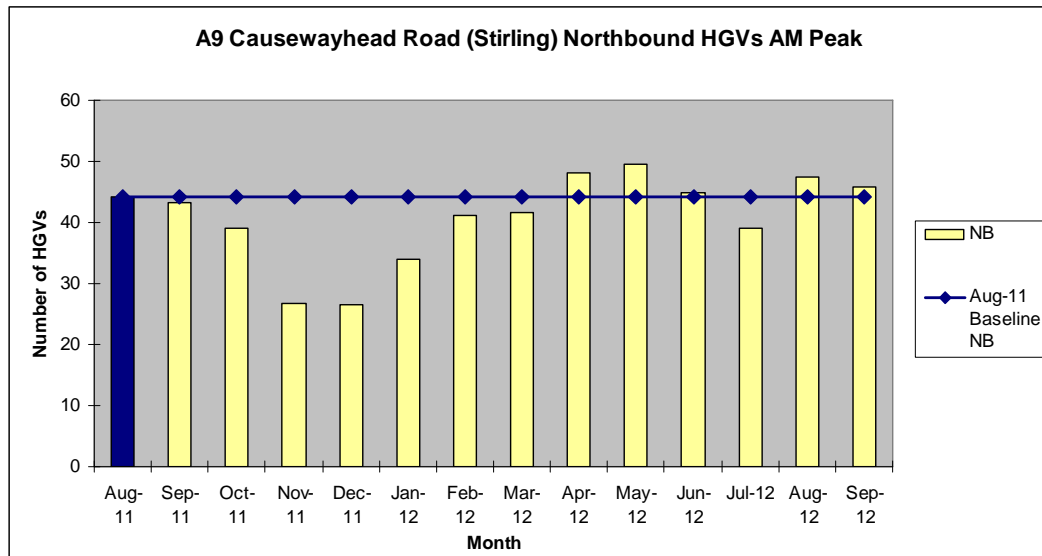


Figure 4-241 Monthly Eastbound AM Peak HGV Flows on the A9 Causewayhead Road (Stirling)

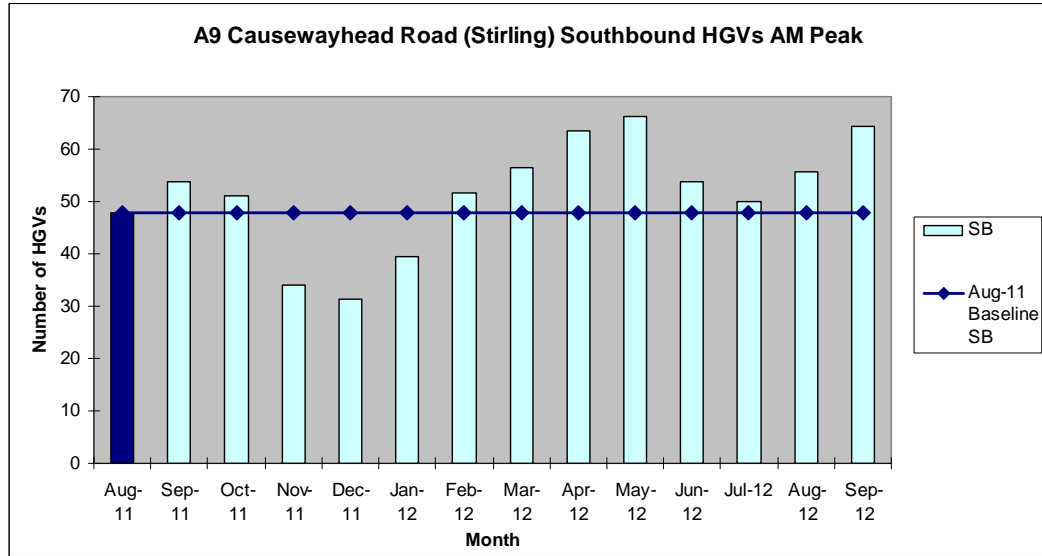


Figure 4-242 Monthly Westbound AM Peak HGV Flows on the A9 Causewayhead Road (Stirling)

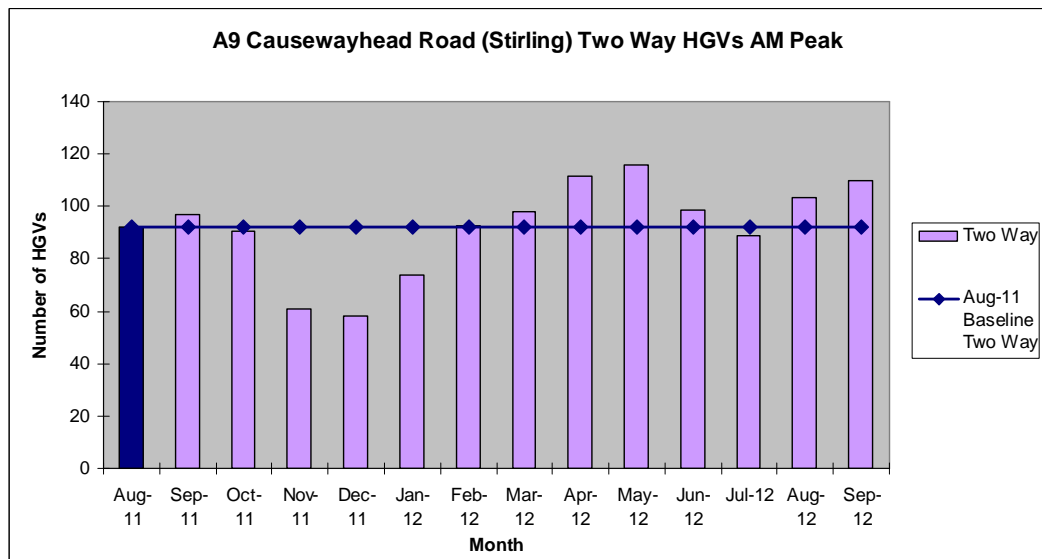


Figure 4-243 Monthly Two Way AM Peak HGV Flows on the A9 Causewayhead Road (Stirling)

4.13.6 Monthly Average PM Peak HGV Flows

Table 4-90 Site: JTC00607 PM Peak HGV Traffic Flows – August 2011 to September 2012

Counter	Location	Date	EB	WB	Two Way
JTC00607	A9 Causewayhead Road (Stirling)	Aug-11	45	55	101
		Sep-11	50	62	112
		Oct-11	45	64	108
		Nov-11	51	71	122
		Dec-11	53	70	123
		Jan-12	39	44	82
		Feb-12	45	58	103
		Mar-12	45	59	104
		Apr-12	35	47	82
		May-12	38	49	87
		Jun-12	35	40	75
		Jul-12	34	39	73
		Aug-12	38	42	80
		Sep-12	36	47	83
		Annual Average			43

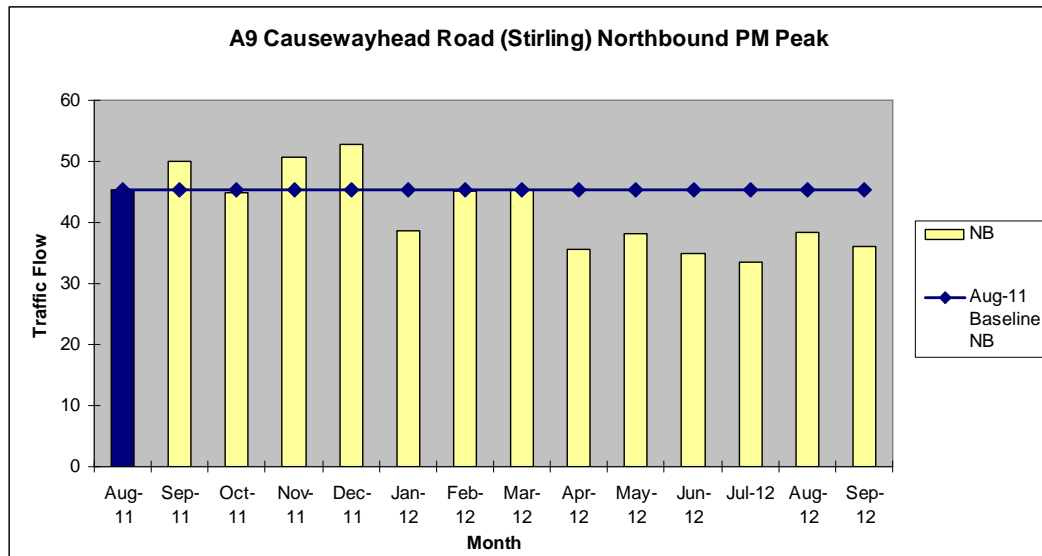


Figure 4-244 Monthly Eastbound PM HGV Peak Flows on the A9 Causewayhead Road (Stirling)

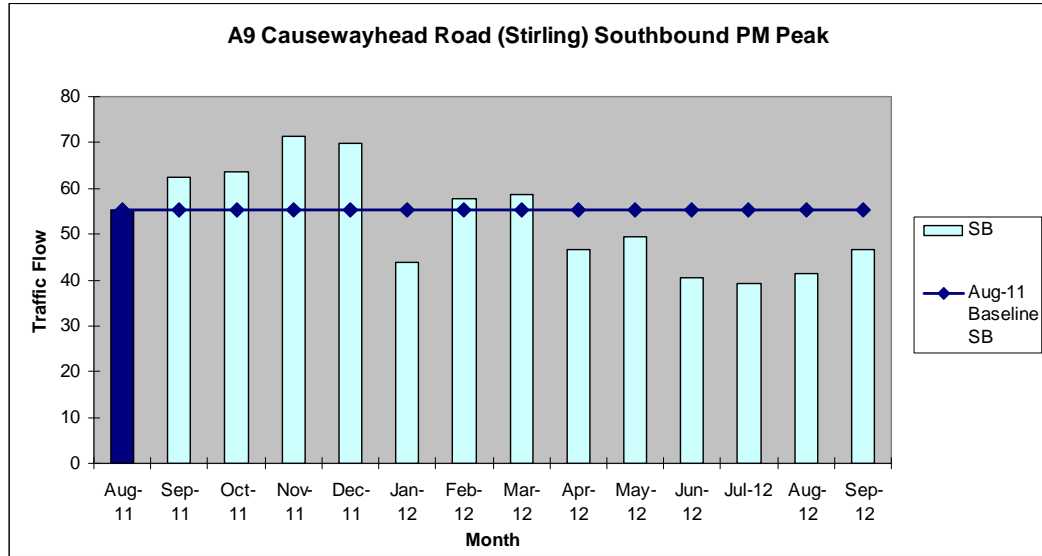


Figure 4-245 Monthly Westbound PM Peak HGV Flows on the A9 Causewayhead Road (Stirling)

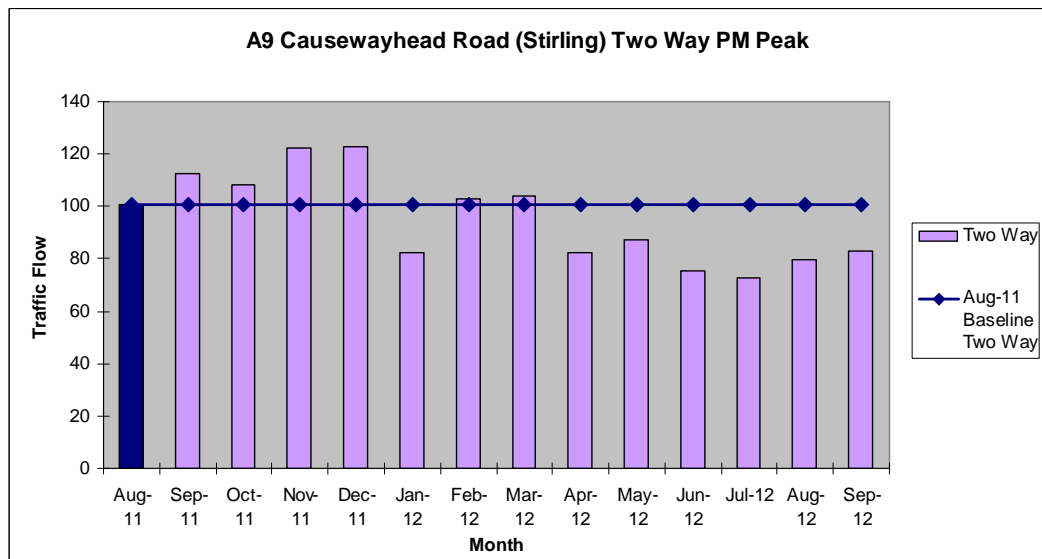


Figure 4-246 Monthly Two Way PM Peak HGV Flows on the A9 Causewayhead Road (Stirling)

4.13.7 Monthly Average All Vehicles Traffic Speeds

Table 4-91 Site: JTC00607 Average Monthly Traffic Speeds (KPH) (All Vehicles) – August 2011 to September 2012

Counter	Location	Date	NB	SB
JTC00607	A9 Causewayhead Road (Stirling)	Aug-11	44	43
		Sep-11	44	43
		Oct-11	44	43
		Nov-11	45	43
		Dec-11	39	37
		Jan-12	41	40
		Feb-12	45	44
		Mar-12	45	43
		Apr-12	46	44
		May-12	45	44
		Jun-12	46	44
		Jul-12	40	44
		Aug-12	45	44
Sep-12	45	44		

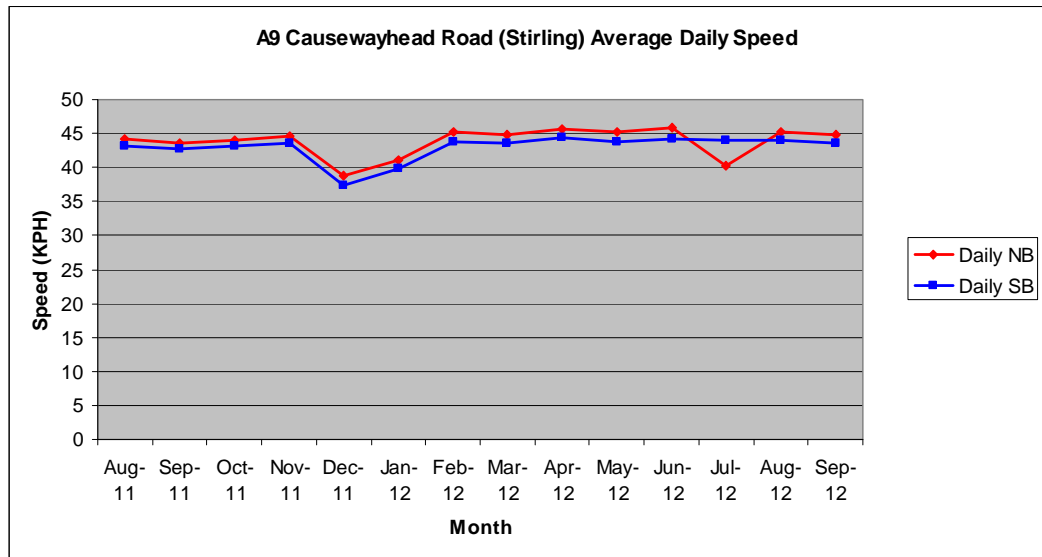


Figure 4-247 Average Monthly Traffic Speeds (KPH) on the A9 Causewayhead Road (Stirling)

4.14 Traffic Counter JTC00608 – A904 Old Philpstoun

4.14.1 Monthly Average Traffic Flows

Table 3-92 Site: JTC00608 Annual Traffic Flows – August 2011 to September 2012

Counter	Location	Date	EB	WB	Two Way
JTC00608	A904 Old Philpstoun	Aug-11	2,426	2,444	4,870
		Sep-11	2,363	2,349	4,713
		Oct-11	2,226	2,193	4,419
		Nov-11	2,309	2,255	4,564
		Dec-11	1,726	1,837	3,563
		Jan-12	1,506	1,680	3,186
		Feb-12	2,260	2,213	4,473
		Mar-12	2,468	2,380	4,848
		Apr-12	2,330	2,314	4,644
		May-12	2,536	2,506	5,041
		Jun-12	2,448	2,435	4,882
		Jul-12	2,332	2,332	4,664
		Aug-12	2,495	2,476	4,971
		Sep-12	2,401	2,392	4,793
		Annual Average			2,244

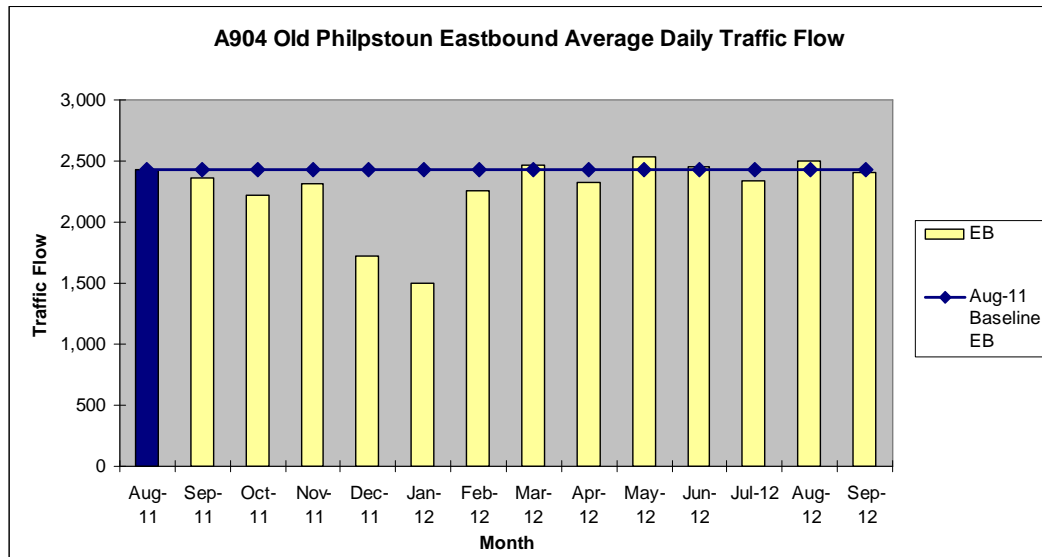


Figure 4-248 Monthly Eastbound AADTs on the A904 Old Philpstoun

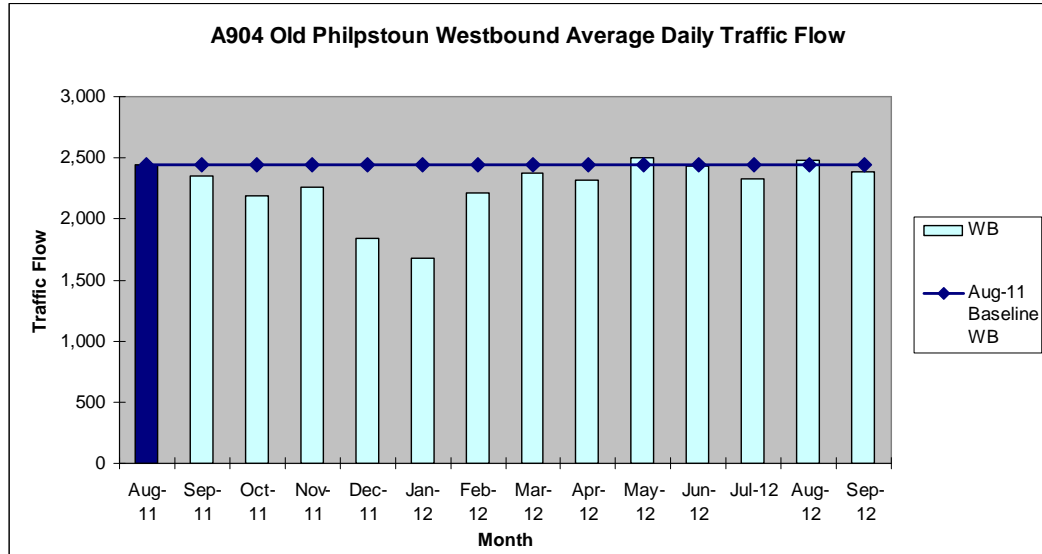


Figure 4-249 Monthly Westbound AADTs on the A904 Old Philpstoun

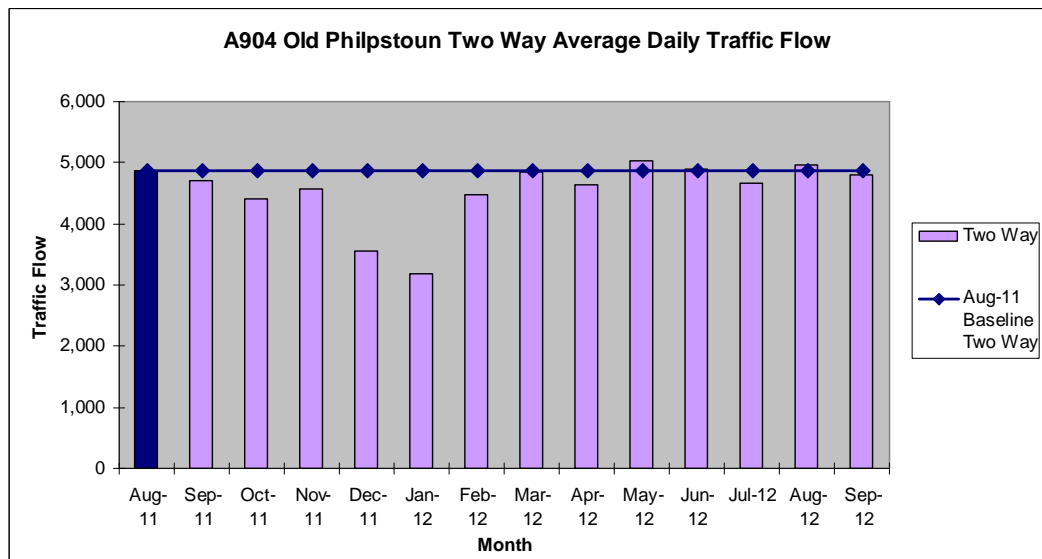


Figure 4-250 Monthly Two Way Daily Traffic Flows on the A904 Old Philpstoun

4.14.2 Monthly Average AM Peak Traffic Flows

Table 4-93 Site: JTC00608 AM Peak Traffic Flows – August 2011 to September 2012

Counter	Location	Date	EB	WB	Two Way
JTC00608	A904 Old Philpstoun	Aug-11	571	283	854
		Sep-11	605	301	905
		Oct-11	549	270	818
		Nov-11	596	234	829
		Dec-11	311	125	436
		Jan-12	175	62	237
		Feb-12	569	217	786
		Mar-12	605	254	858
		Apr-12	535	277	812
		May-12	604	305	909
		Jun-12	562	290	853
		Jul-12	506	257	764
		Aug-12	574	293	867
		Sep-12	560	298	859
		Annual Average			516

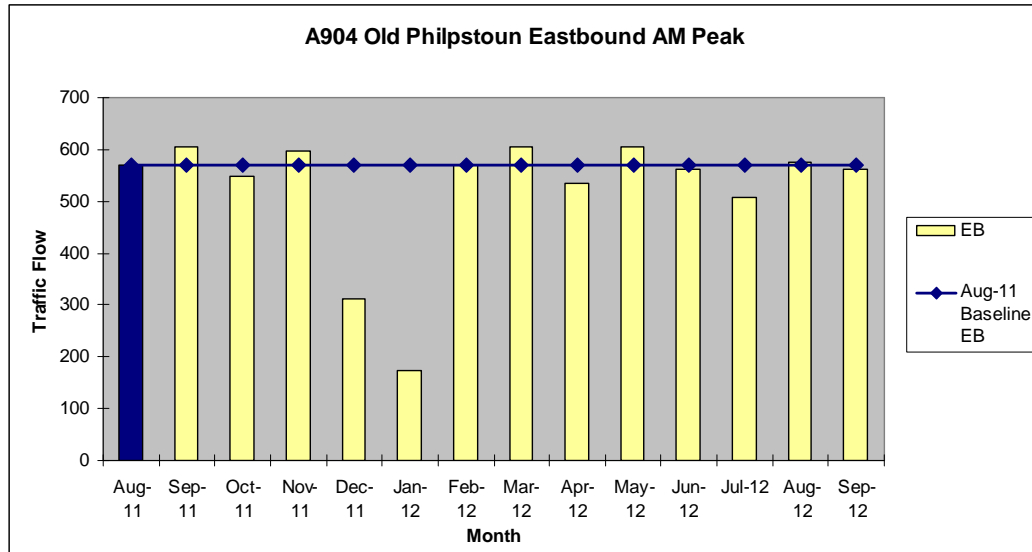


Figure 4-251 Monthly Eastbound AM Peak Flows on the A904 Old Philpstoun

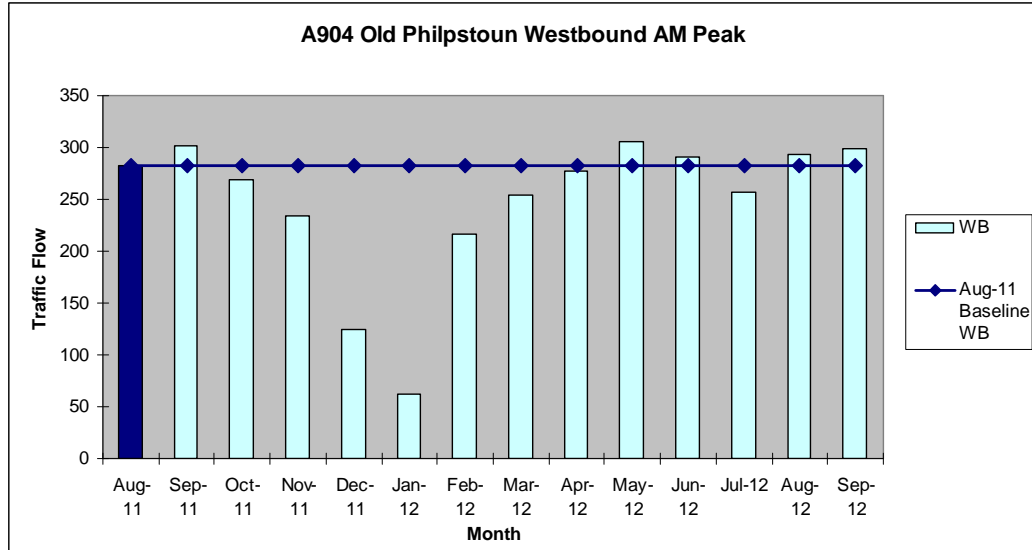


Figure 4-252 Monthly Westbound AM Peak Flows on the A904 Old Philpstoun

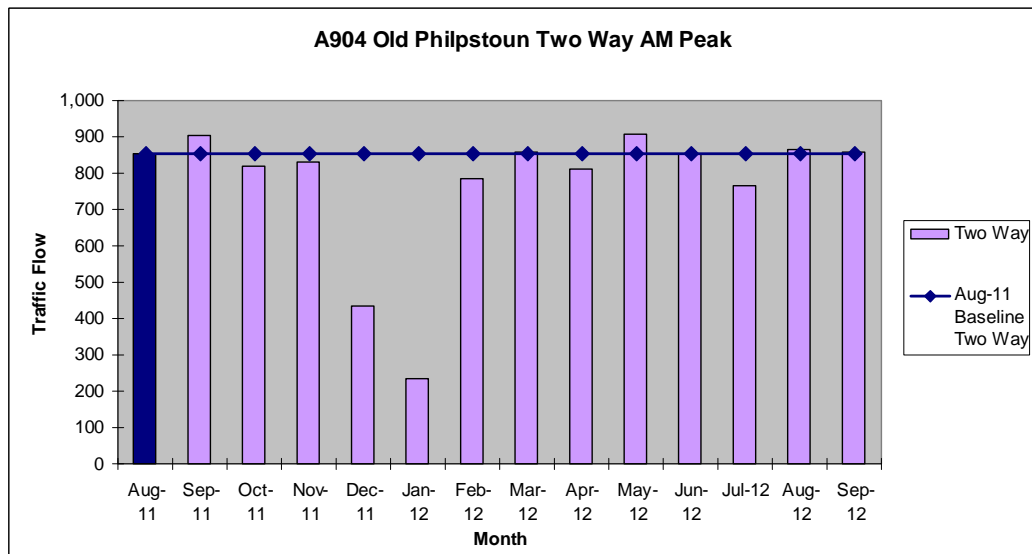


Figure 4-253 Monthly Two Way AM Peak Flows on the A904 Old Philpstoun

4.14.3 Monthly Average PM Peak Traffic Flows

Table 4-94 Site: JTC00608 PM Peak Traffic Flows – August 2011 to September 2012

Counter	Location	Date	EB	WB	Two Way
JTC00608	A904 Old Philpstoun	Aug-11	505	669	1,174
		Sep-11	492	654	1,146
		Oct-11	461	603	1,064
		Nov-11	516	639	1,155
		Dec-11	432	561	994
		Jan-12	420	553	973
		Feb-12	507	647	1,154
		Mar-12	551	687	1,238
		Apr-12	484	631	1,115
		May-12	526	684	1,210
		Jun-12	500	645	1,145
		Jul-12	482	633	1,114
		Aug-12	506	668	1,174
		Sep-12	512	654	1,166
		Annual Average			490

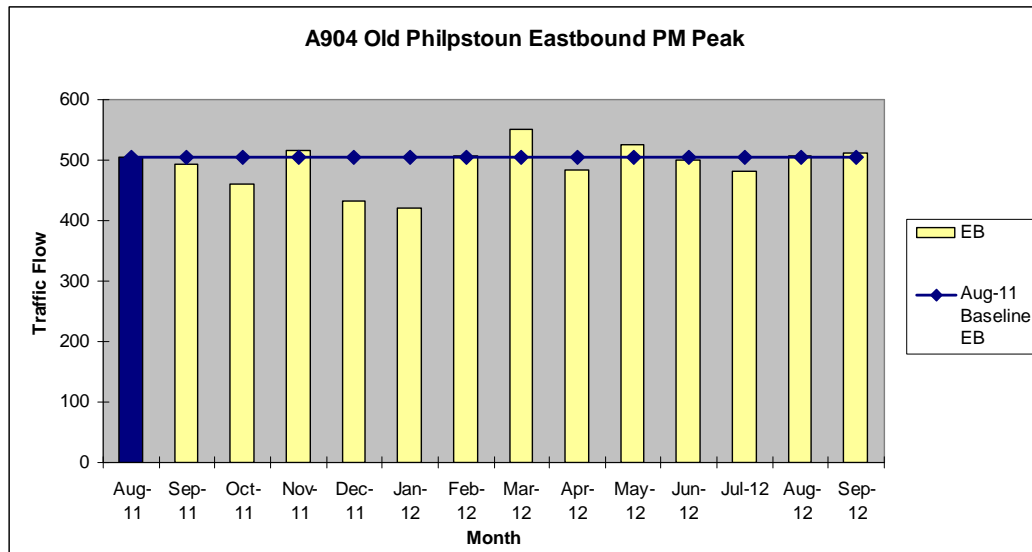


Figure 4-254 Monthly Eastbound PM Peak Flows on the A904 Old Philpstoun

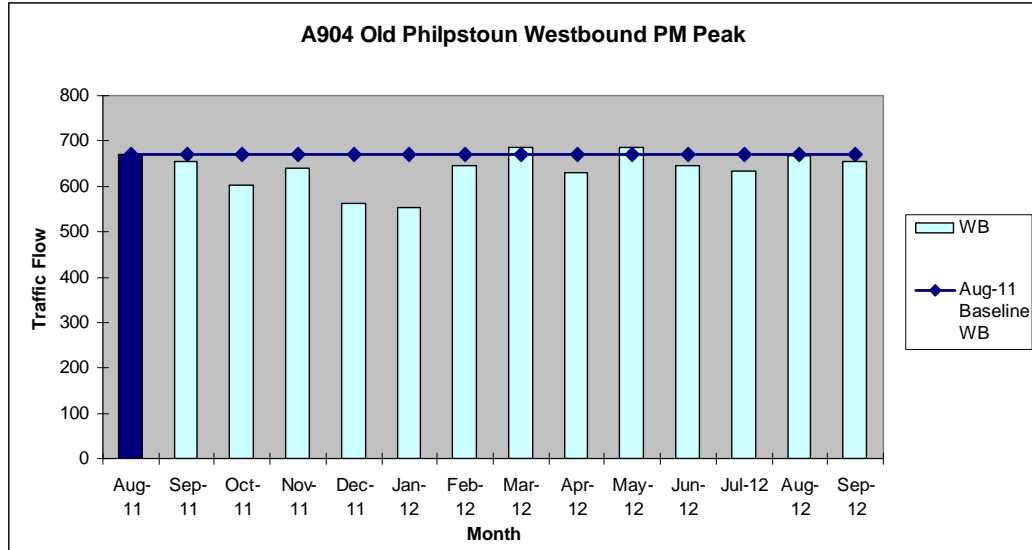


Figure 4-255 Monthly Westbound PM Peak Flows on the A904 Old Philpstoun

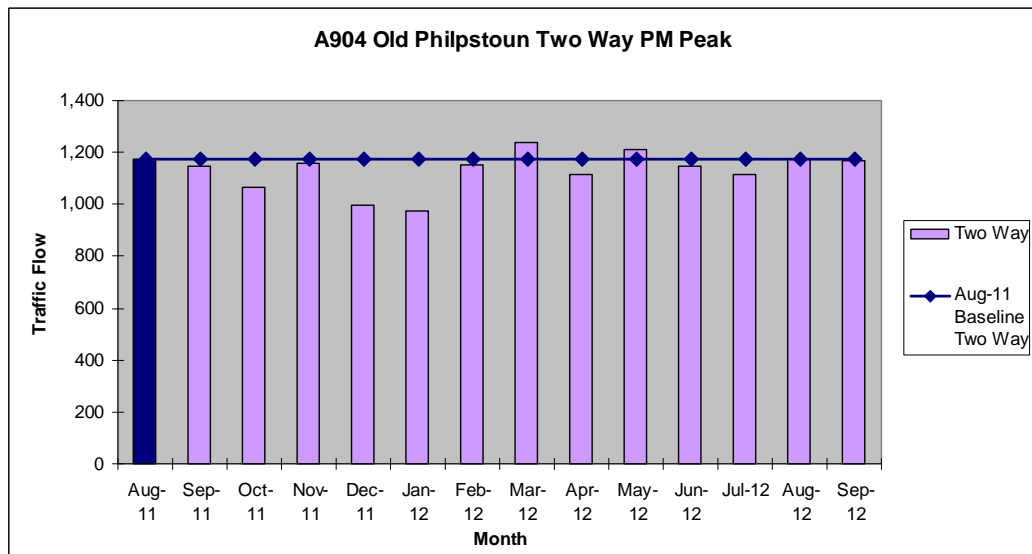


Figure 4-256 Monthly Two Way PM Peak Flows on the A904 Old Philpstoun

4.14.4 Monthly Average HGV Flows

Table 4-95 Site: JTC00608 Annual HGV Traffic Flows – August 2011 to September 2012

Counter	Location	Date	EB	WB	Two Way
JTC00608	A904 Old Philpstoun	Aug-11	29	30	58
		Sep-11	28	32	61
		Oct-11	29	29	58
		Nov-11	29	29	58
		Dec-11	20	23	43
		Jan-12	14	20	34
		Feb-12	28	32	60
		Mar-12	31	31	62
		Apr-12	28	30	58
		May-12	32	33	65
		Jun-12	32	32	64
		Jul-12	28	29	58
		Aug-12	28	30	58
		Sep-12	28	30	58
		Annual Average			27

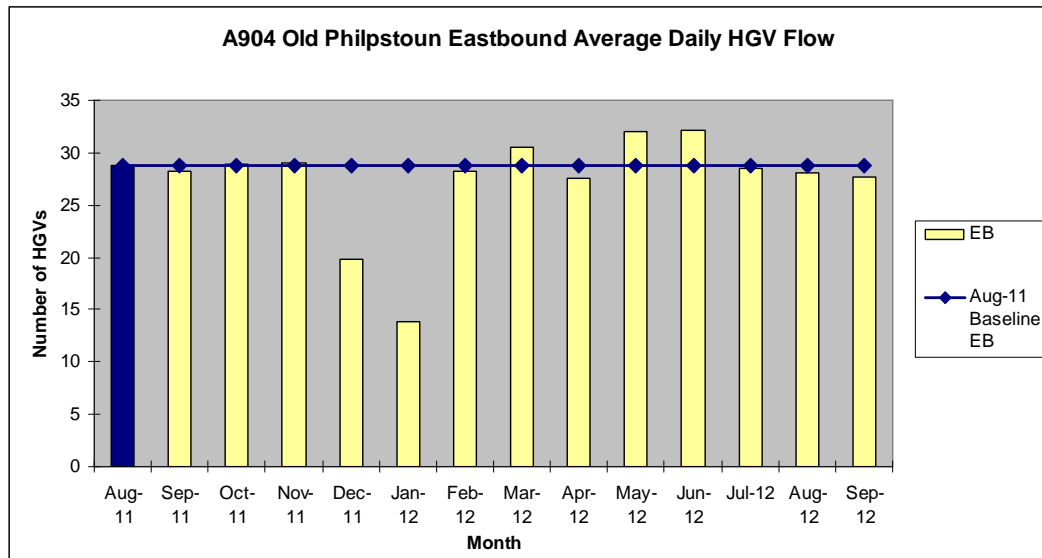


Figure 4-257 Monthly Eastbound HGV Flows on the A904 Old Philpstoun

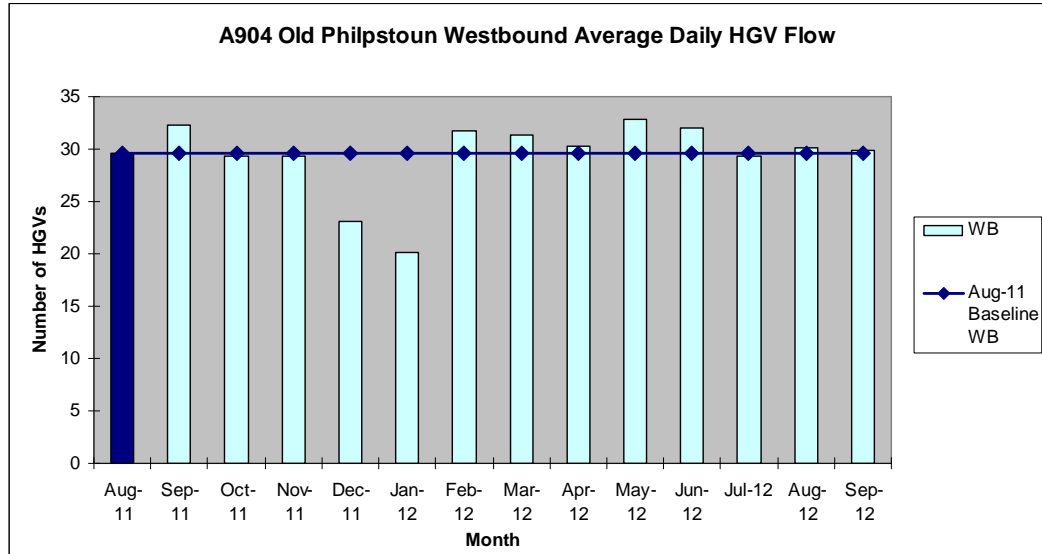


Figure 4-258 Monthly Westbound HGVS Flows on the A904 Old Philpstoun

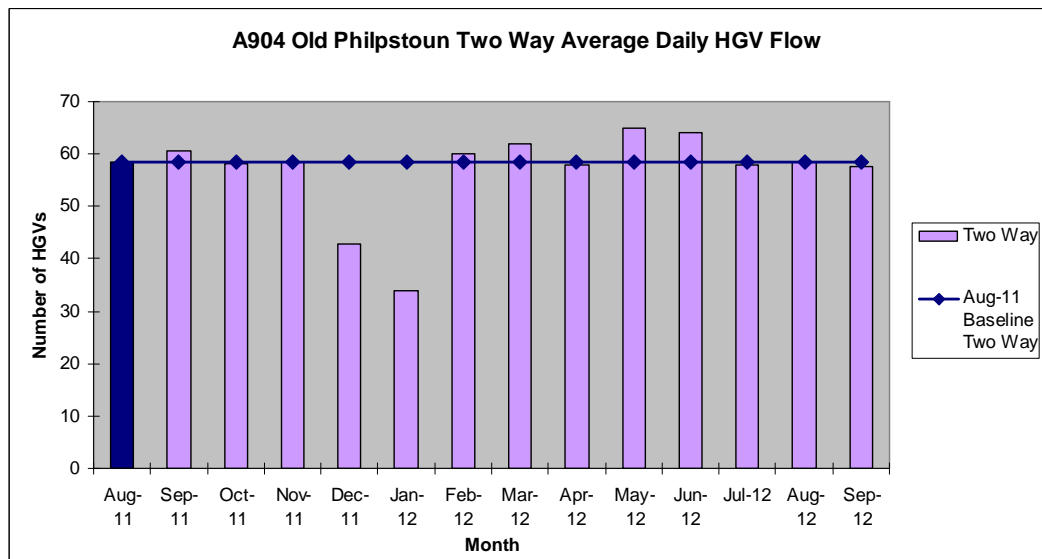


Figure 4-259 Monthly Two Way HGVS Flows on the A904 Old Philpstoun

4.14.5 Monthly Average AM Peak HGV Flows

Table 4-96 Site: JTC00608 AM Peak HGV Traffic Flows – August 2011 to September 2012

Counter	Location	Date	EB	WB	Two Way
JTC00608	A904 Old Philpstoun	Aug-11	8	4	12
		Sep-11	9	6	14
		Oct-11	9	4	13
		Nov-11	12	4	16
		Dec-11	6	2	8
		Jan-12	3	1	3
		Feb-12	10	4	14
		Mar-12	11	4	14
		Apr-12	7	5	12
		May-12	8	6	14
		Jun-12	8	4	13
		Jul-12	7	4	11
		Aug-12	6	4	11
		Sep-12	7	4	12
		Annual Average			8

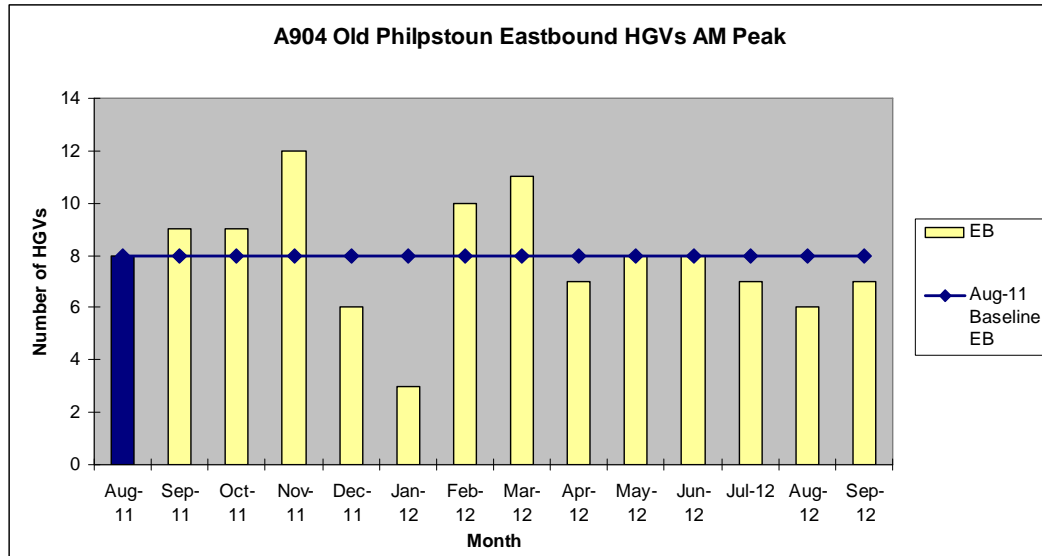


Figure 4-260 Monthly Eastbound AM Peak HGV Flows on the A904 Old Philpstoun

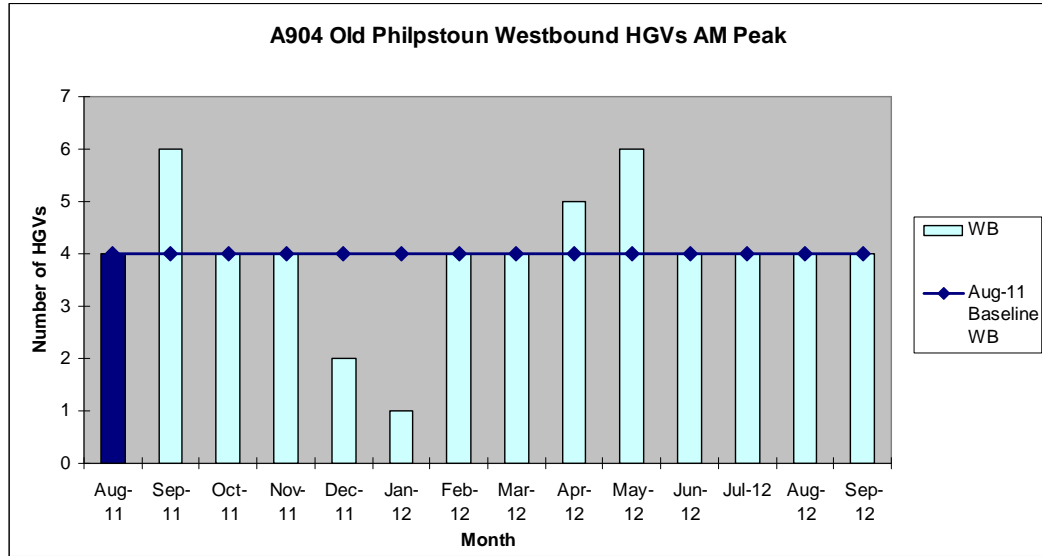


Figure 4-261 Monthly Westbound AM Peak HGV Flows on the A904 Old Philpstoun

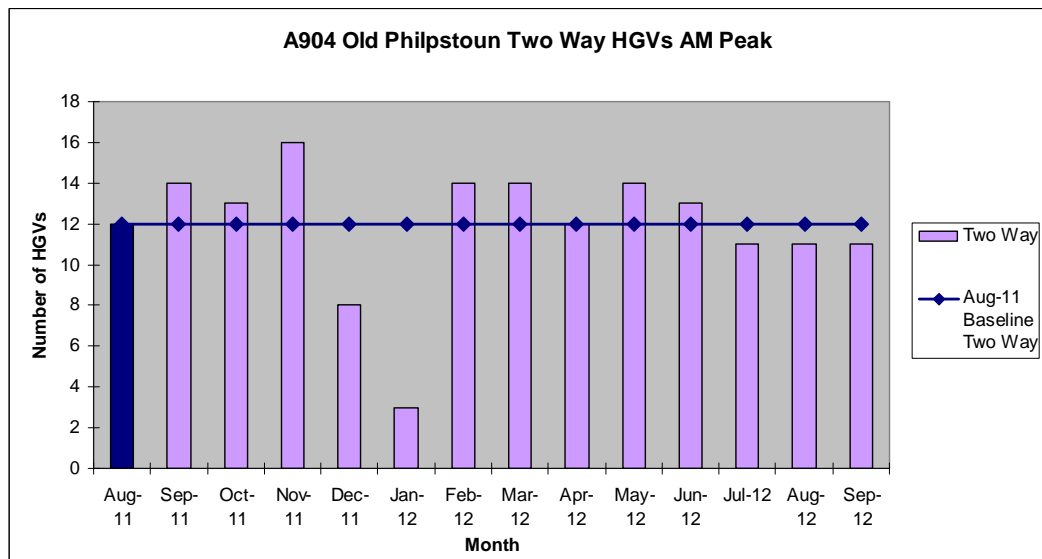


Figure 4-262 Monthly Two Way AM Peak HGV Flows on the A904 Old Philpstoun

4.14.6 Monthly Average PM Peak HGV Flows

Table 4-97 Site: JTC00608 PM Peak HGV Traffic Flows – August 2011 to September 2012

Counter	Location	Date	EB	WB	Two Way
JTC00608	A904 Old Philpstoun	Aug-11	2	5	7
		Sep-11	2	5	7
		Oct-11	2	5	7
		Nov-11	3	5	8
		Dec-11	3	4	7
		Jan-12	2	4	6
		Feb-12	3	6	9
		Mar-12	3	5	8
		Apr-12	1	6	7
		May-12	2	6	8
		Jun-12	2	6	8
		Jul-12	1	6	7
		Aug-12	1	6	8
		Sep-12	1	5	7
		Annual Average			2

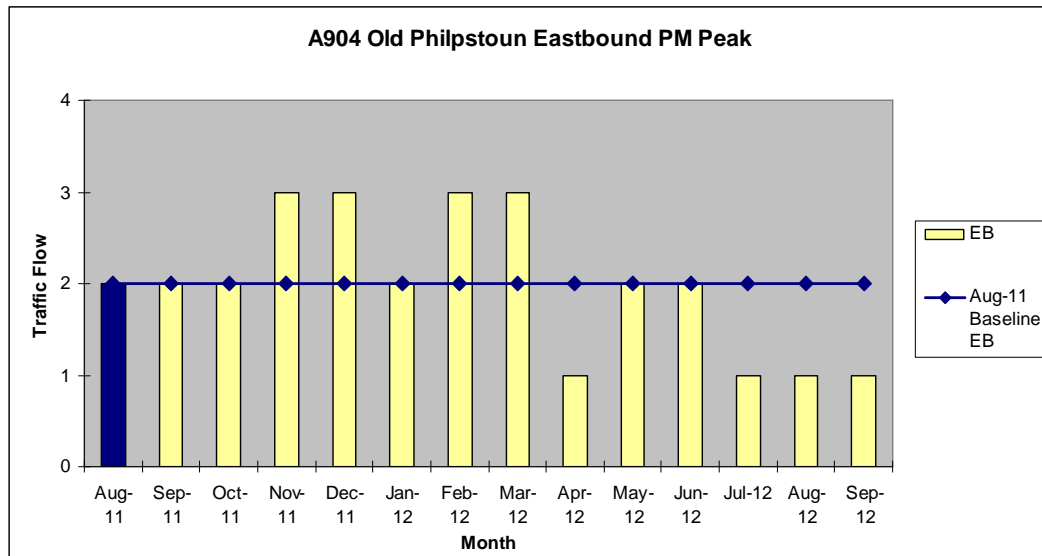


Figure 4-263 Monthly Eastbound PM HGV Peak Flows on the A904 Old Philpstoun

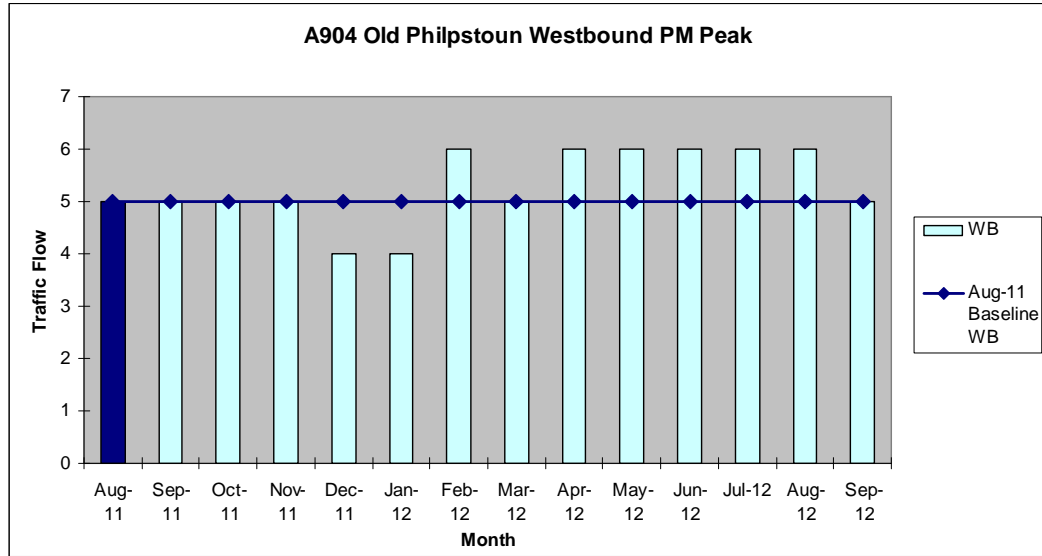


Figure 4-264 Monthly Westbound PM Peak HGV Flows on the A904 Old Philpstoun

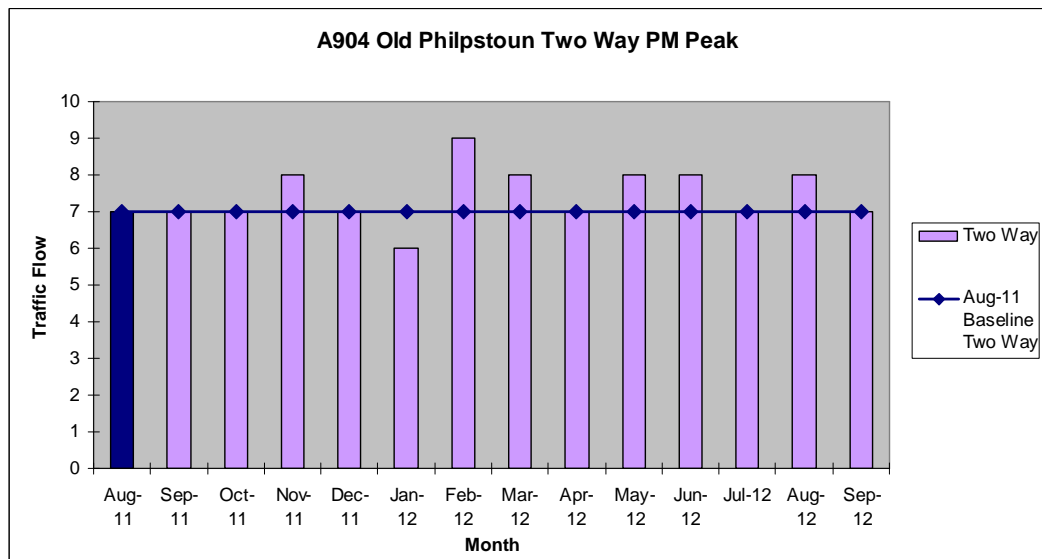


Figure 4-265 Monthly Two Way PM Peak HGV Flows on the A904 Old Philpstoun

4.14.7 Monthly Average All Vehicles Traffic Speeds

Table 4-98 Site: JTC00608 Average Monthly Traffic Speeds (KPH) (All Vehicles) – August 2011 to September 2012

Counter	Location	Date	EB	WB
JTC00608	A904 Old Philpstoun	Aug-11	76	78
		Sep-11	76	78
		Oct-11	76	77
		Nov-11	75	78
		Dec-11	58	60
		Jan-12	55	57
		Feb-12	74	77
		Mar-12	76	78
		Apr-12	76	78
		May-12	76	78
		Jun-12	75	77
		Jul-12	75	77
		Aug-12	75	77
Sep-12	75	78		

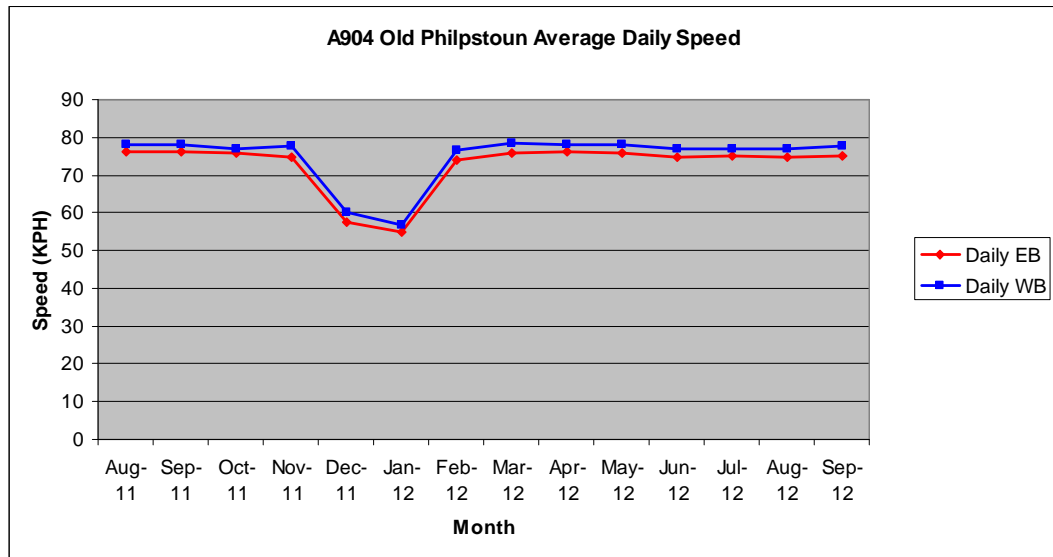


Figure 4-266 Average Monthly Traffic Speeds (KPH) on the A904 Old Philpstoun

4.15 Traffic Counter JTC08347 – A90 Echline Junction Northbound (Main Carriageway)

4.15.1 Monthly Average Traffic Flows

Table 3-99 Site: JTC08347 Annual Traffic Flows – August 2011 to September 2012

Counter	Location	Date	NB
JTC08347	A90 Echline Junction Northbound (Main Carriageway)	Aug-11	27,732
		Sep-11	26,384
		Oct-11	24,626
		Nov-11	24,339
		Dec-11	21,612
		Jan-12	19,377
		Feb-12	23,416
		Mar-12	23,619
		Apr-12	23,713
		May-12	24,563
		Jun-12	25,312
		Jul-12	25,507
		Aug-12	26,040
		Sep-12	24,975
		Annual Average	24,183

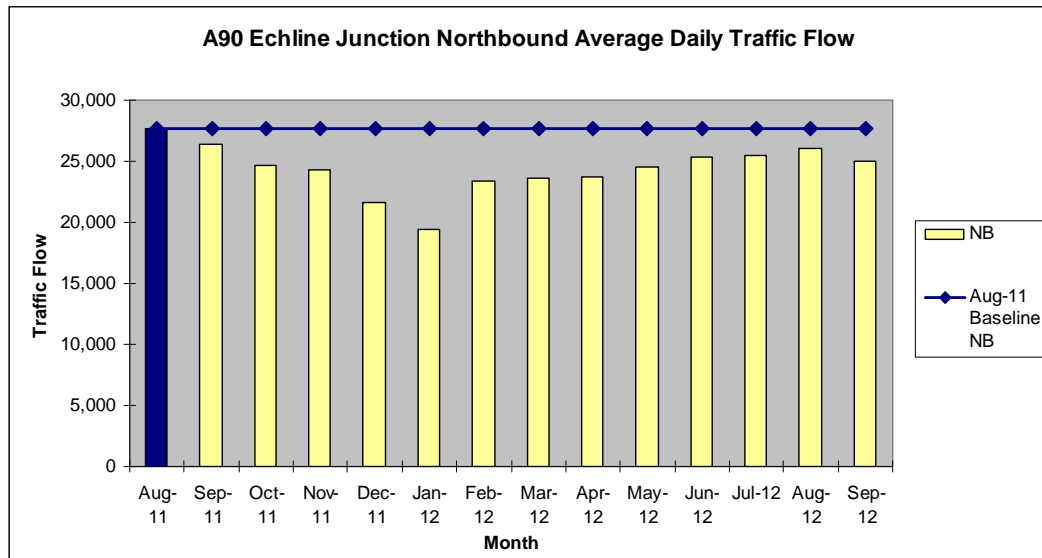


Figure 4-267 Monthly AADTs on the A90 Echline Junction Northbound (Main Carriageway)

4.15.2 Monthly Average AM Peak Traffic Flows

Table 4-100 Site: JTC08347 AM Peak Traffic Flows – August 2011 to September 2012

Counter	Location	Date	NB
JTC08347	A90 Echline Junction Northbound (Main Carriageway)	Aug-11	4,474
		Sep-11	4,504
		Oct-11	4,114
		Nov-11	4,215
		Dec-11	3,332
		Jan-12	3,425
		Feb-12	4,090
		Mar-12	4,100
		Apr-12	3,848
		May-12	4,287
		Jun-12	4,192
		Jul-12	4,052
		Aug-12	4,350
		Sep-12	4,119
		Annual Average	4,053

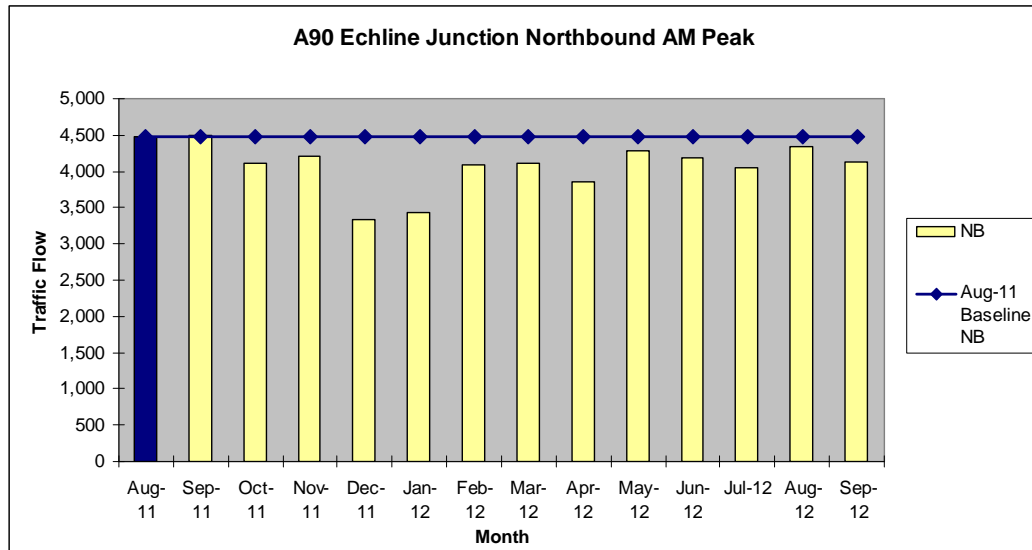


Figure 4-268 Monthly Northbound AM Peak Flows on the A90 Echline Junction Northbound (Main Carriageway)

4.15.3 Monthly Average PM Peak Traffic Flows

Table 4-101 Site: JTC08347 PM Peak Traffic Flows – August 2011 to September 2012

Counter	Location	Date	NB
JTC08347	A90 Echline Junction Northbound (Main Carriageway)	Aug-11	6,598
		Sep-11	6,327
		Oct-11	5,947
		Nov-11	6,016
		Dec-11	5,077
		Jan-12	4,772
		Feb-12	5,847
		Mar-12	5,808
		Apr-12	5,787
		May-12	5,837
		Jun-12	5,953
		Jul-12	6,063
		Aug-12	6,203
		Sep-12	6,083
		Annual Average	5,836

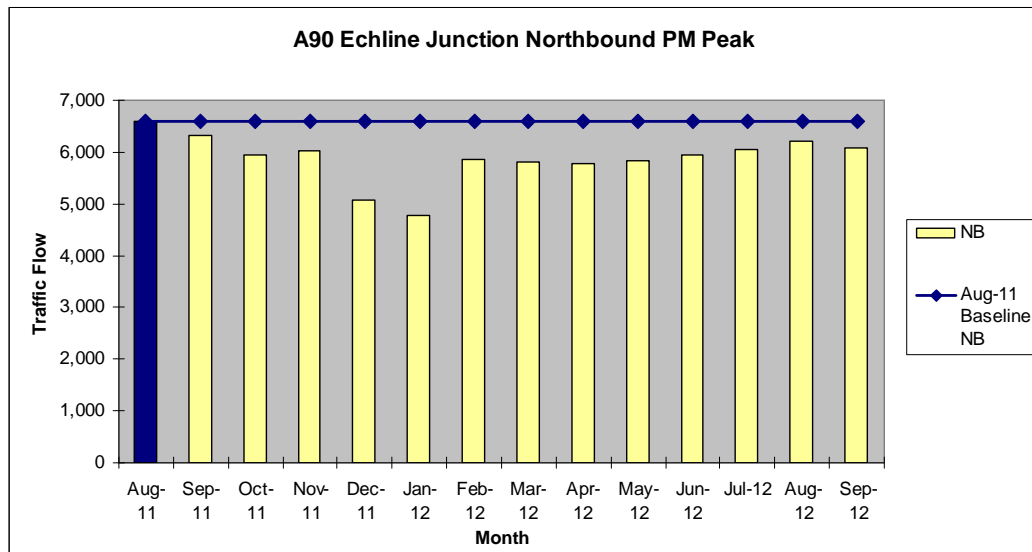


Figure 4-269 Monthly PM Peak Flows on the A90 Echline Junction Northbound (Main Carriageway)

4.15.4 Monthly Average HGV Flows

Table 4-102 Site: JTC08347 Annual HGV Traffic Flows – August 2011 to September 2012

Counter	Location	Date	NB
JTC08347	A90 Echline Junction Northbound (Main Carriageway)	Aug-11	1,275
		Sep-11	1,286
		Oct-11	1,196
		Nov-11	1,238
		Dec-11	1,003
		Jan-12	920
		Feb-12	1,165
		Mar-12	1,197
		Apr-12	1,151
		May-12	1,217
		Jun-12	1,172
		Jul-12	1,197
		Aug-12	1,208
		Sep-12	1,138
		Annual Average	1,168

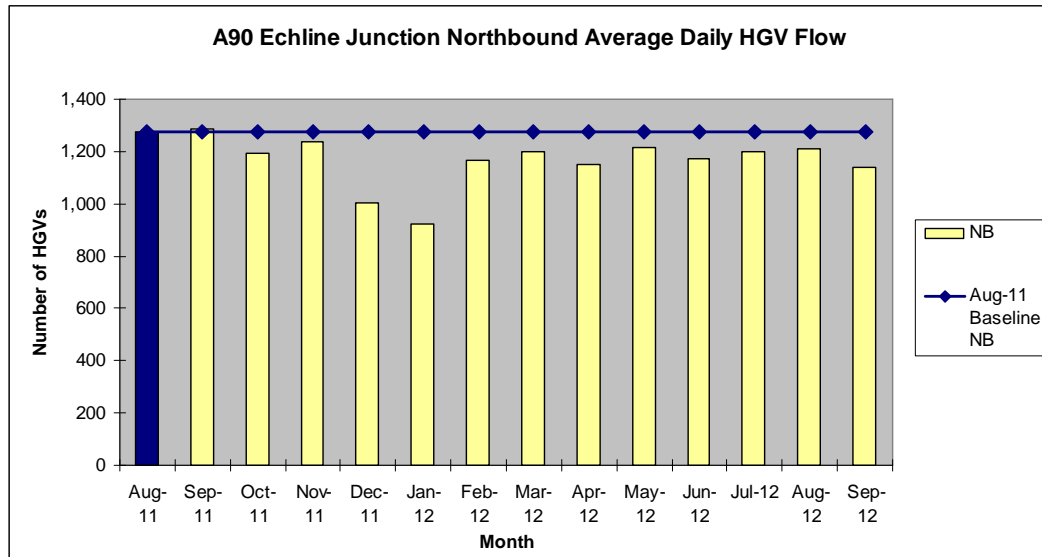


Figure 4-270 Monthly HGV Flows on the A90 Echline Junction Northbound (Main Carriageway)

4.15.5 Monthly Average AM Peak HGV Flows

Table 4-103 Site: JTC08347 AM Peak HGV Traffic Flows – August 2011 to September 2012

Counter	Location	Date	NB
JTC08347	A90 Echline Junction Northbound (Main Carriageway)	Aug-11	261
		Sep-11	272
		Oct-11	236
		Nov-11	254
		Dec-11	201
		Jan-12	195
		Feb-12	242
		Mar-12	256
		Apr-12	234
		May-12	257
		Jun-12	246
		Jul-12	250
		Aug-12	253
		Sep-12	235

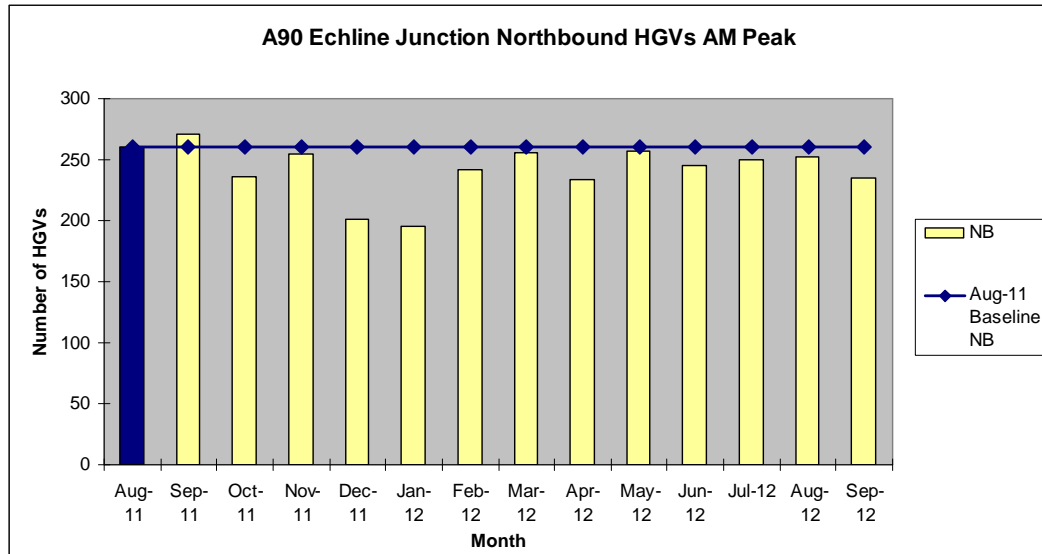


Figure 4-271 Monthly AM Peak HGV Flows on the A90 Echline Junction Northbound (Main Carriageway)

4.15.6 Monthly Average PM Peak HGV Flows

Table 4-104 Site: JTC08347 PM Peak HGV Traffic Flows – August 2011 to September 2012

Counter	Location	Date	NB
JTC08347	A90 Echline Junction Northbound (Main Carriageway)	Aug-11	171
		Sep-11	184
		Oct-11	166
		Nov-11	159
		Dec-11	125
		Jan-12	122
		Feb-12	166
		Mar-12	168
		Apr-12	164
		May-12	165
		Jun-12	153
		Jul-12	160
		Aug-12	154
		Sep-12	162
		Annual Average	159

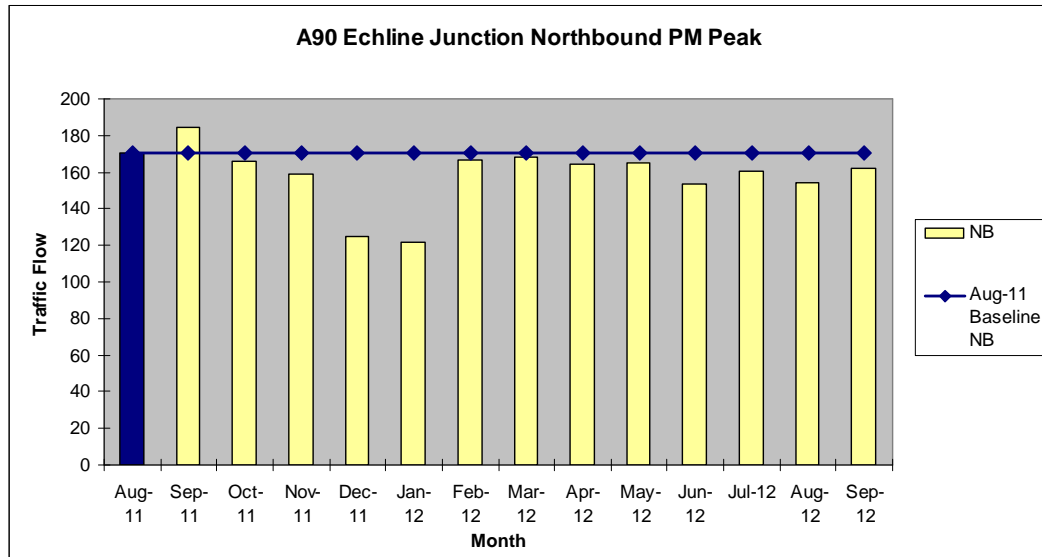


Figure 4-272 Monthly Northbound PM HGV Peak Flows on the A90 Echline Junction Northbound (Main Carriageway)

4.15.7 Monthly Average All Vehicles Traffic Speeds

Table 4-105 Site: JTC08347 Average Monthly Traffic Speeds (KPH) (All Vehicles) – August 2011 to September 2012

Counter	Location	Date	NB
JTC08347	A90 Echline Junction Northbound (Main Carriageway)	Aug-11	73
		Sep-11	75
		Oct-11	72
		Nov-11	75
		Dec-11	74
		Jan-12	76
		Feb-12	76
		Mar-12	75
		Apr-12	74
		May-12	73
		Jun-12	74
		Jul-12	72
		Aug-12	70
Sep-12	74		

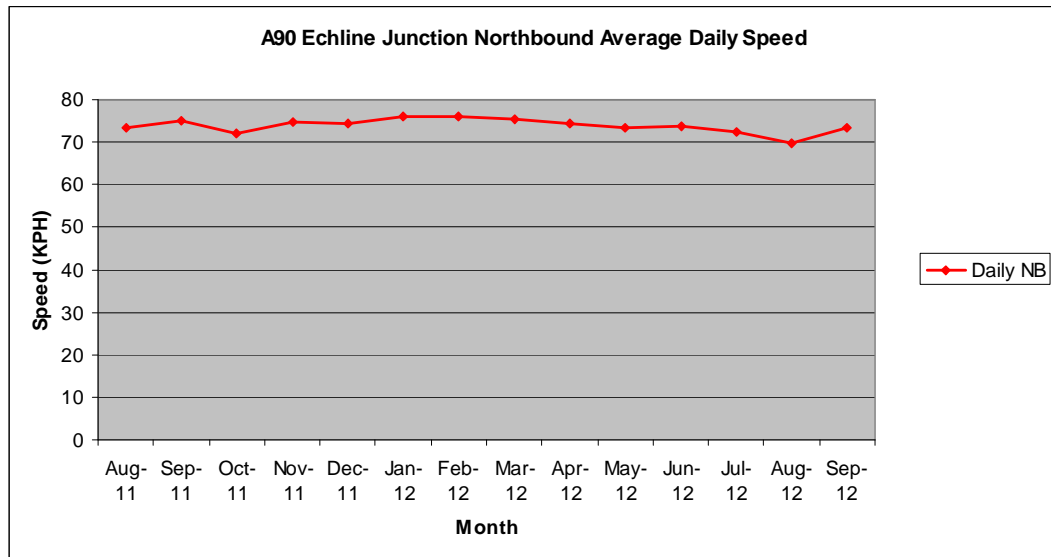


Figure 4-273 Average Monthly Traffic Speeds (KPH) on the A90 Echline Junction Northbound (Main Carriageway)

4.16 Traffic Counter JTC08348 – A90 Echline Junction Southbound (Main Carriageway)

4.16.1 Monthly Average Traffic Flows

Table 3-106 Site: JTC08348 Annual Traffic Flows – August 2011 to September 2012

Counter	Location	Date	SB
JTC08348	A90 Echline Junction Southbound (Main Carriageway)	Aug-11	No Data
		Sep-11	30,230
		Oct-11	28,079
		Nov-11	27,665
		Dec-11	24,002
		Jan-12	24,150
		Feb-12	26,291
		Mar-12	26,698
		Apr-12	26,607
		May-12	27,616
		Jun-12	27,990
		Jul-12	28,062
		Aug-12	29,634
		Sep-12	28,083
	Annual Average	27,035	

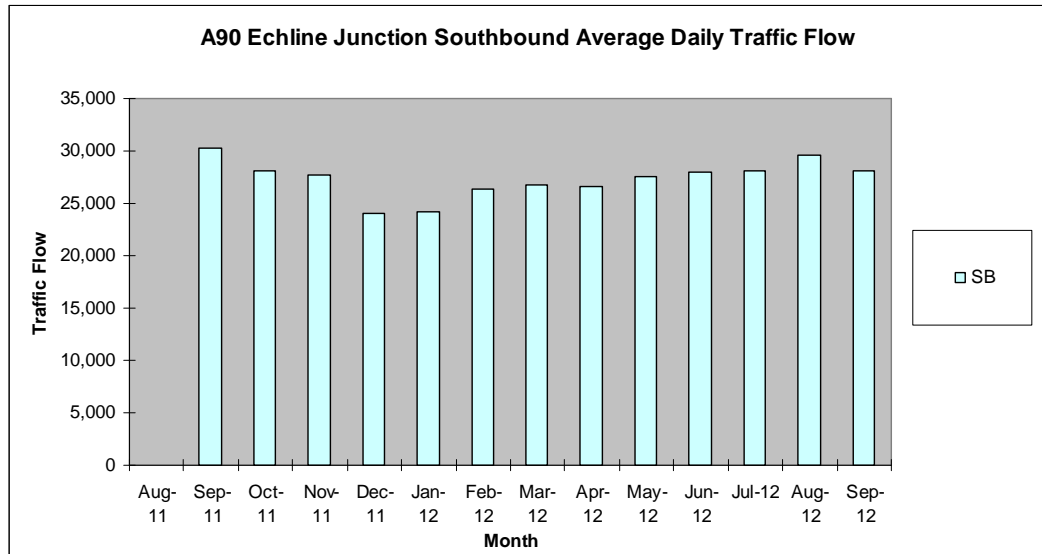


Figure 4-274 Monthly AADTs on the A90 Echline Junction Southbound (Main Carriageway)

4.16.2 Monthly Average AM Peak Traffic Flows

Table 4-107 Site: JTC08348 AM Peak Traffic Flows – August 2011 to September 2012

Counter	Location	Date	SB
JTC08348	A90 Echline Junction Southbound (Main Carriageway)	Aug-11	No Data
		Sep-11	6,409
		Oct-11	5,870
		Nov-11	6,154
		Dec-11	4,877
		Jan-12	5,223
		Feb-12	5,797
		Mar-12	5,897
		Apr-12	5,411
		May-12	5,929
		Jun-12	5,664
		Jul-12	5,560
		Aug-12	5,976
		Sep-12	5,706
		Annual Average	5,708

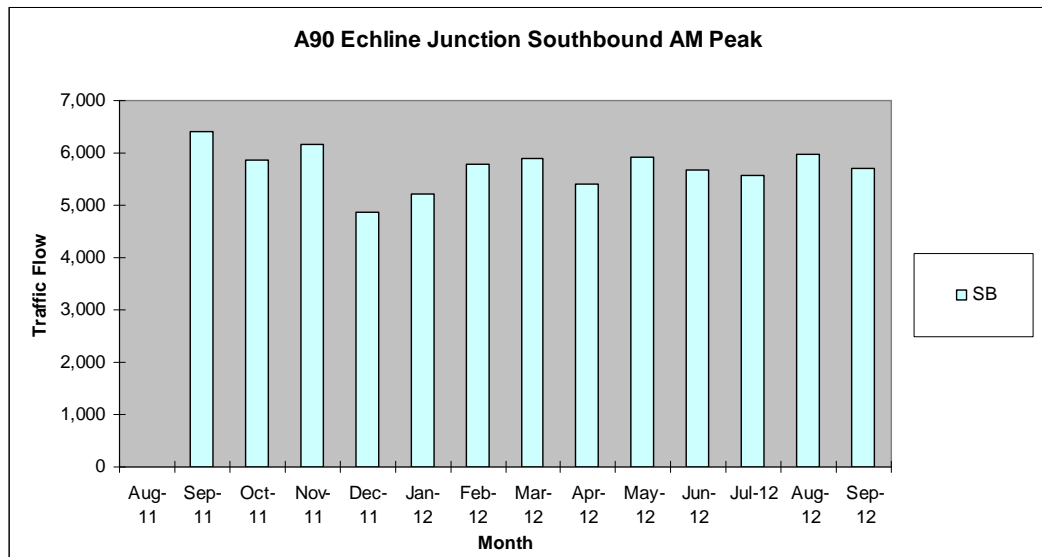


Figure 4-275 Monthly Southbound AM Peak Flows on the A90 Echline Junction Southbound (Main Carriageway)

4.16.3 Monthly Average PM Peak Traffic Flows

Table 4-108 Site: JTC08348 PM Peak Traffic Flows – August 2011 to September 2012

Counter	Location	Date	SB
JTC08348	A90 Echline Junction Southbound (Main Carriageway)	Aug-11	No Data
		Sep-11	6,358
		Oct-11	5,870
		Nov-11	5,690
		Dec-11	4,550
		Jan-12	5,031
		Feb-12	5,430
		Mar-12	5,655
		Apr-12	5,541
		May-12	5,861
		Jun-12	5,745
		Jul-12	5,680
		Aug-12	6,264
		Sep-12	5,954
		Annual Average	5,583

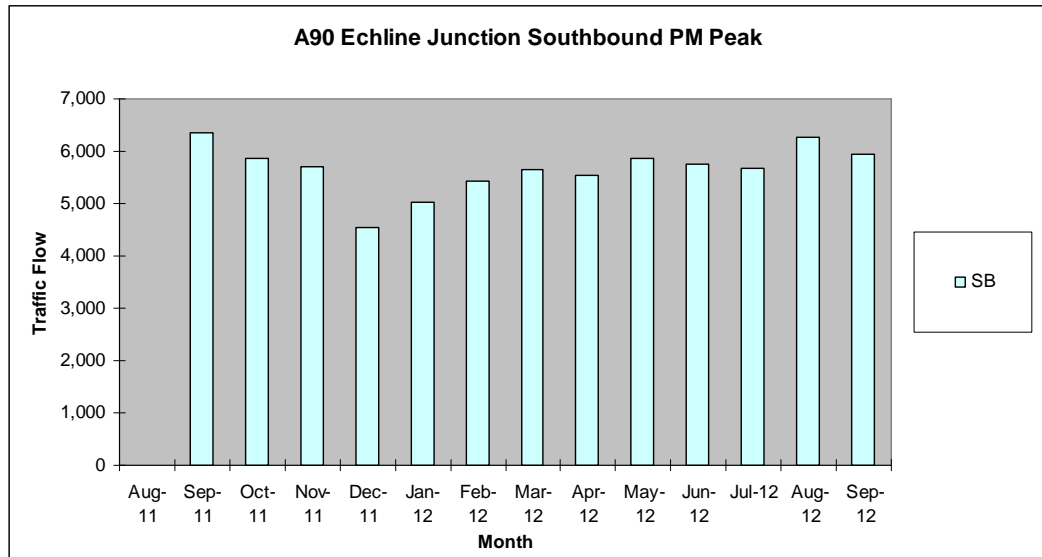


Figure 4-276 Monthly PM Peak Flows on the A90 Echline Junction Southbound (Main Carriageway)

4.16.4 Monthly Average HGV Flows

Table 4-109 Site: JTC08348 Annual HGV Traffic Flows – August 2011 to September 2012

Counter	Location	Date	SB
JTC08348	A90 Echline Junction Southbound (Main Carriageway)	Aug-11	No Data
		Sep-11	1,394
		Oct-11	1,275
		Nov-11	1,331
		Dec-11	1,098
		Jan-12	1,128
		Feb-12	1,276
		Mar-12	1,286
		Apr-12	1,235
		May-12	1,337
		Jun-12	1,305
		Jul-12	1,316
		Aug-12	1,354
		Sep-12	1,260
		Annual Average	1,271

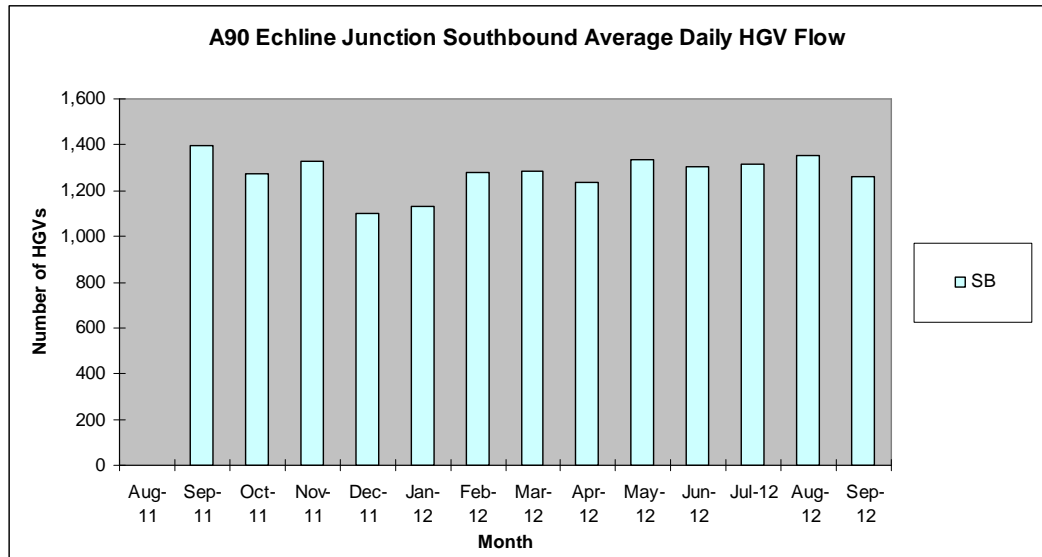


Figure 4-277 Monthly HGV Flows on the A90 Echline Junction Southbound (Main Carriageway)

4.16.5 Monthly Average AM Peak HGV Flows

Table 4-110 Site: JTC08348 AM Peak HGV Traffic Flows – August 2011 to September 2012

Counter	Location	Date	SB
JTC08348	A90 Echline Junction Southbound (Main Carriageway)	Aug-11	No Data
		Sep-11	230
		Oct-11	194
		Nov-11	207
		Dec-11	178
		Jan-12	171
		Feb-12	197
		Mar-12	204
		Apr-12	196
		May-12	214
		Jun-12	213
		Jul-12	212
		Aug-12	221
		Sep-12	209
		Annual Average	201

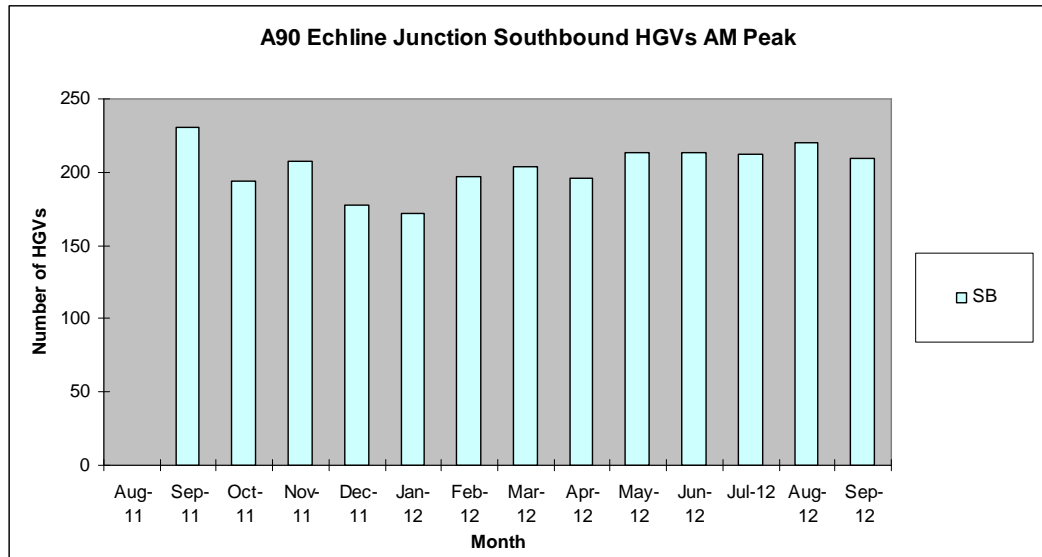


Figure 4-278 Monthly AM Peak HGV Flows on the A90 Echline Junction Southbound (Main Carriageway)

4.16.6 Monthly Average PM Peak HGV Flows

Table 4-111 Site: JTC08348 PM Peak HGV Traffic Flows – August 2011 to September 2012

Counter	Location	Date	SB
JTC08348	A90 Echline Junction Southbound (Main Carriageway)	Aug-11	No Data
		Sep-11	211
		Oct-11	196
		Nov-11	196
		Dec-11	158
		Jan-12	172
		Feb-12	189
		Mar-12	196
		Apr-12	193
		May-12	204
		Jun-12	200
		Jul-12	201
		Aug-12	212
		Sep-12	200
		Annual Average	192

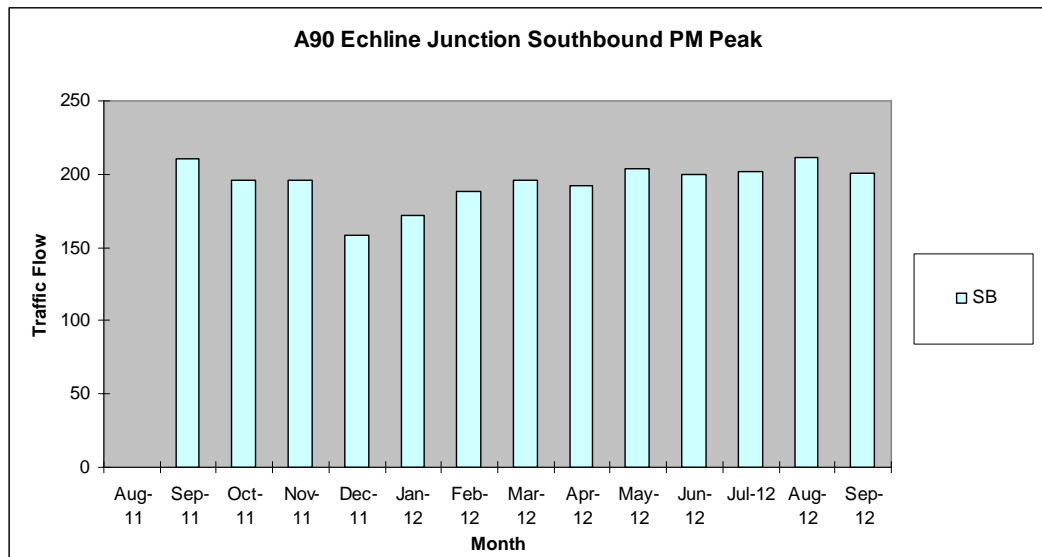


Figure 4-279 Monthly PM HGV Peak Flows on the A90 Echline Junction Southbound (Main Carriageway)

4.16.7 Monthly Average All Vehicles Traffic Speeds

Table 4-112 Site: JTC08348 Average Monthly Traffic Speeds (KPH) (All Vehicles) – August 2011 to September 2012

Counter	Location	Date	SB
JTC08348	A90 Echline Junction Southbound (Main Carriageway)	Aug-11	No Data
		Sep-11	88
		Oct-11	87
		Nov-11	86
		Dec-11	86
		Jan-12	87
		Feb-12	88
		Mar-12	88
		Apr-12	88
		May-12	88
		Jun-12	88
		Jul-12	90
		Aug-12	90
Sep-12	90		

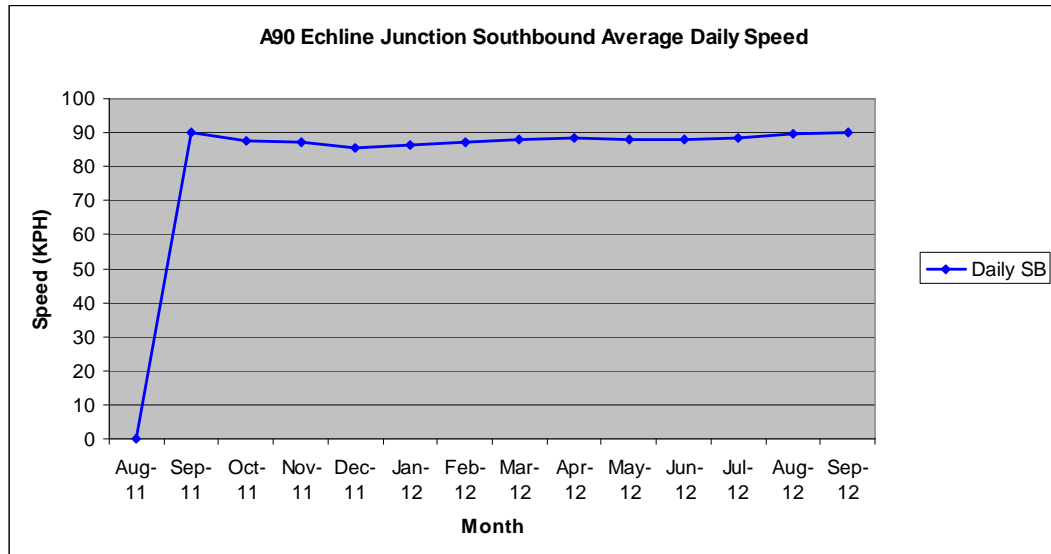


Figure 4-280 Average Monthly Traffic Speeds (KPH) on the A90 Echline Junction Southbound (Main Carriageway)

4.17 Traffic Counter JTC58347 – A90 Echline Junction Northbound On-Ramp

4.17.1 Monthly Average Traffic Flows

Table 3-113 Site: JTC58347 Annual Traffic Flows – August 2011 to September 2012

Counter	Location	Date	NB
JTC58347	A90 Echline Junction Northbound On-Ramp	Aug-11	8,012
		Sep-11	7,678
		Oct-11	7,207
		Nov-11	7,300
		Dec-11	6,410
		Jan-12	6,011
		Feb-12	7,374
		Mar-12	7,639
		Apr-12	7,435
		May-12	7,957
		Jun-12	7,911
		Jul-12	7,695
		Aug-12	8,211
		Sep-12	7,932
		Annual Average	7,386

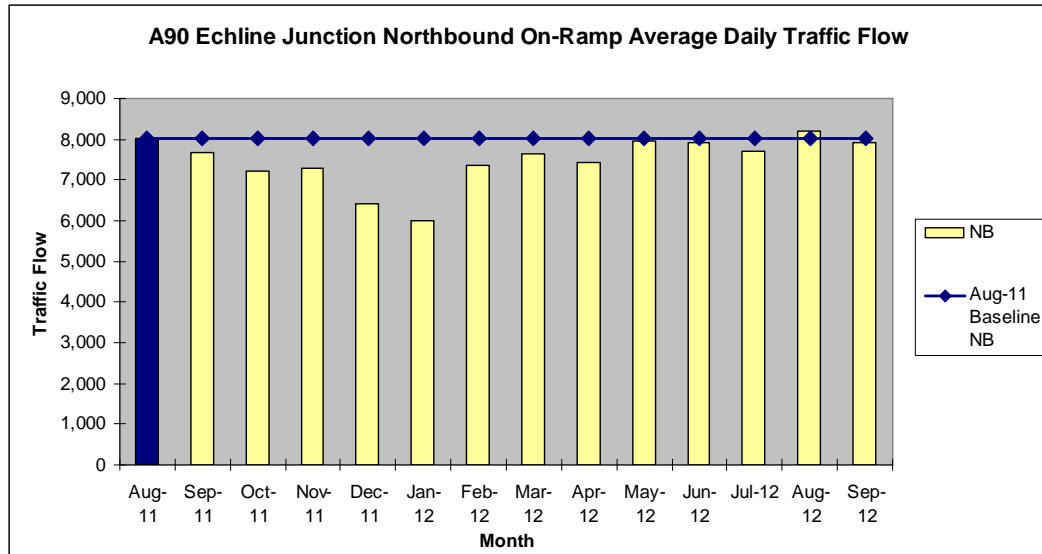


Figure 4-281 Monthly AADTs on the A90 Echline Junction Northbound On-Ramp

4.17.2 Monthly Average AM Peak Traffic Flows

Table 4-114 Site: JTC58347 AM Peak Traffic Flows – August 2011 to September 2012

Counter	Location	Date	NB
JTC58347	A90 Echline Junction Northbound On-Ramp	Aug-11	1,531
		Sep-11	1,597
		Oct-11	1,425
		Nov-11	1,542
		Dec-11	1,227
		Jan-12	1,297
		Feb-12	1,548
		Mar-12	1,601
		Apr-12	1,444
		May-12	1,628
		Jun-12	1,523
		Jul-12	1,416
		Aug-12	1,616
		Sep-12	1,561
		Annual Average	1,482

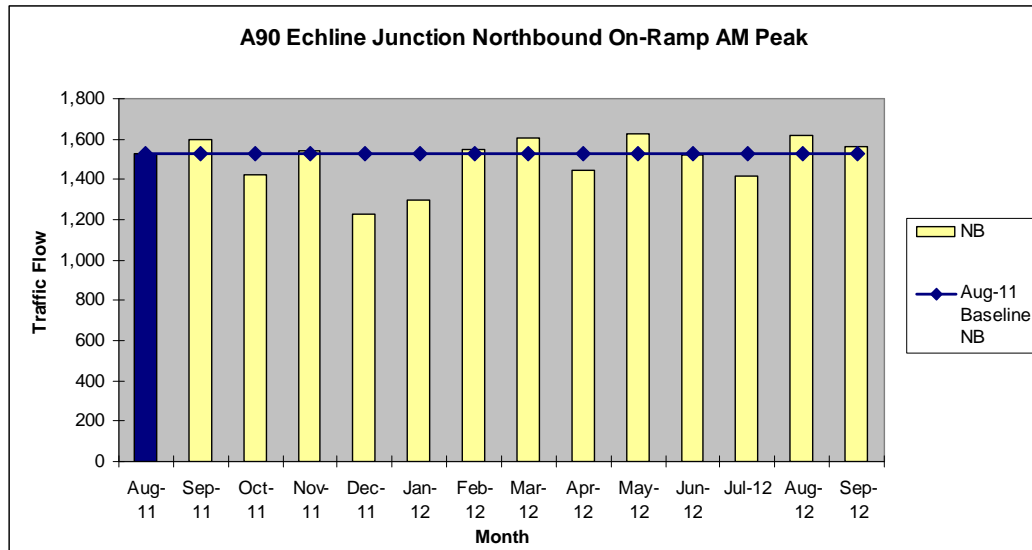


Figure 4-282 Monthly Northbound AM Peak Flows on the A90 Echline Junction Northbound On-Ramp

4.17.3 Monthly Average PM Peak Traffic Flows

Table 4-115 Site: JTC58347 PM Peak Traffic Flows – August 2011 to September 2012

Counter	Location	Date	NB
JTC58347	A90 Echline Junction Northbound On-Ramp	Aug-11	2,020
		Sep-11	1,875
		Oct-11	1,765
		Nov-11	1,765
		Dec-11	1,444
		Jan-12	1,409
		Feb-12	1,769
		Mar-12	1,795
		Apr-12	1,777
		May-12	1,855
		Jun-12	1,886
		Jul-12	1,801
		Aug-12	1,976
		Sep-12	1,911
		Annual Average	1,763

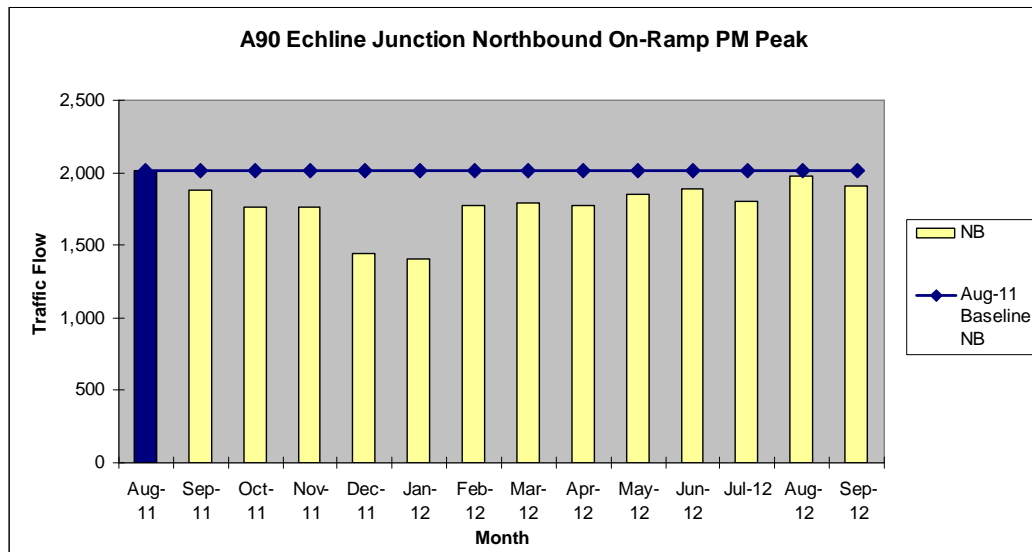


Figure 4-283 Monthly PM Peak Flows on the A90 Echline Junction Northbound On-Ramp

4.17.4 Monthly Average HGV Flows

Table 4-116 Site: JTC58347 Annual HGV Traffic Flows – August 2011 to September 2012

Counter	Location	Date	NB
JTC58347	A90 Echline Junction Northbound On-Ramp	Aug-11	313
		Sep-11	300
		Oct-11	288
		Nov-11	278
		Dec-11	230
		Jan-12	216
		Feb-12	281
		Mar-12	293
		Apr-12	287
		May-12	310
		Jun-12	294
		Jul-12	284
		Aug-12	302
		Sep-12	291
		Annual Average	281

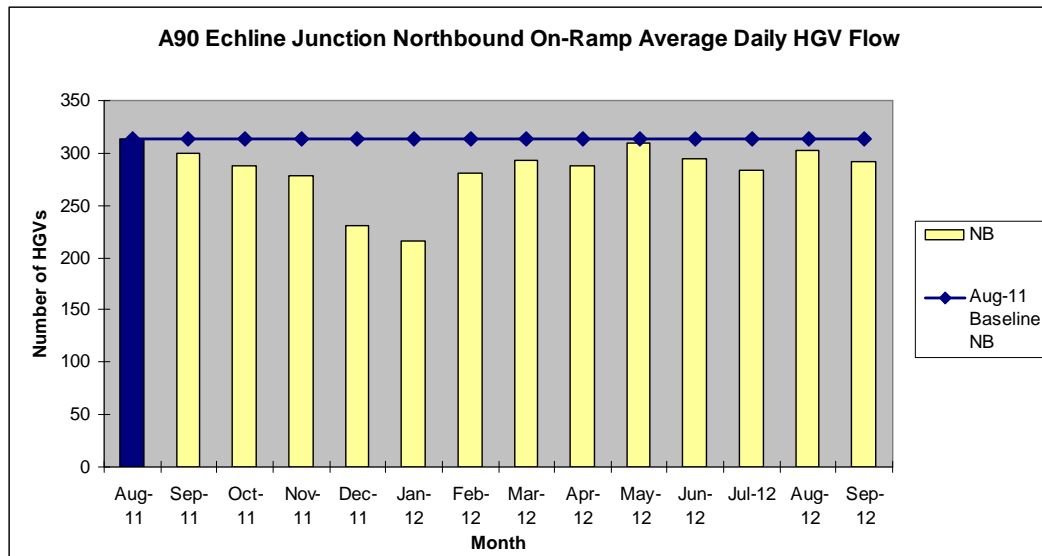


Figure 4-284 Monthly HGV Flows on the A90 Echline Junction Northbound On-Ramp

4.17.5 Monthly Average AM Peak HGV Flows

Table 4-117 Site: JTC58347 AM Peak HGV Traffic Flows – August 2011 to September 2012

Counter	Location	Date	NB
JTC58347	A90 Echline Junction Northbound On-Ramp	Aug-11	62
		Sep-11	61
		Oct-11	59
		Nov-11	55
		Dec-11	45
		Jan-12	45
		Feb-12	57
		Mar-12	61
		Apr-12	56
		May-12	62
		Jun-12	54
		Jul-12	54
		Aug-12	58
		Sep-12	58
		Annual Average	56

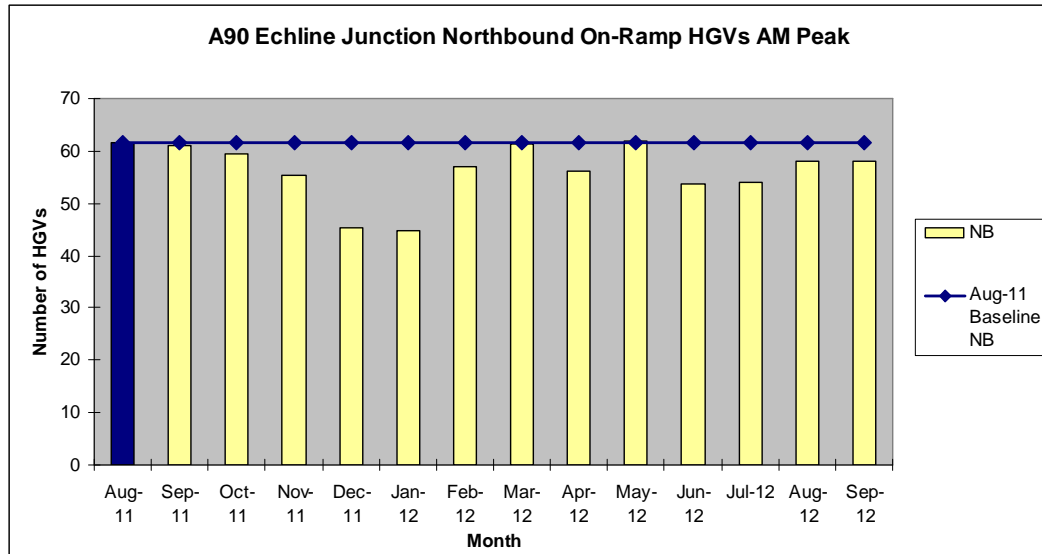


Figure 4-285 Monthly AM Peak HGV Flows on the A90 Echline Junction Northbound On-Ramp

4.17.6 Monthly Average PM Peak HGV Flows

Table 4-118 Site: JTC58347 PM Peak HGV Traffic Flows – August 2011 to September 2012

Counter	Location	Date	NB
JTC58347	A90 Echline Junction Northbound On-Ramp	Aug-11	56
		Sep-11	52
		Oct-11	45
		Nov-11	43
		Dec-11	33
		Jan-12	32
		Feb-12	43
		Mar-12	44
		Apr-12	45
		May-12	49
		Jun-12	56
		Jul-12	49
		Aug-12	54
		Sep-12	48
		Annual Average	46

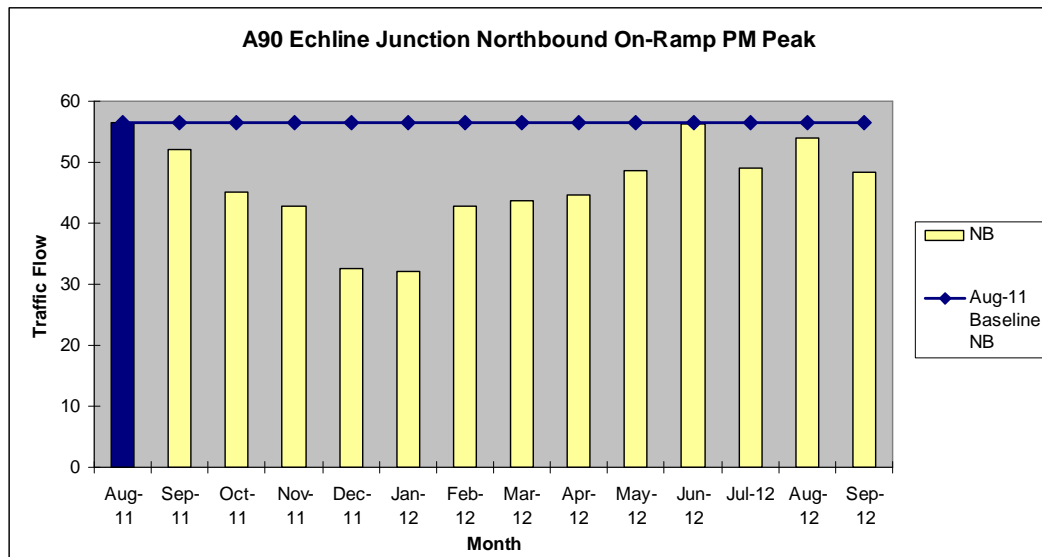


Figure 4-286 Monthly PM HGV Peak Flows on the A90 Echline Junction Northbound On-Ramp

4.17.7 Monthly Average All Vehicles Traffic Speeds

Table 4-119 Site: JTC58347 Average Monthly Traffic Speeds (KPH) (All Vehicles) – August 2011 to September 2012

Counter	Location	Date	NB
JTC58347	A90 Echline Junction Northbound On-Ramp	Aug-11	51
		Sep-11	51
		Oct-11	51
		Nov-11	51
		Dec-11	50
		Jan-12	51
		Feb-12	51
		Mar-12	51
		Apr-12	51
		May-12	50
		Jun-12	51
		Jul-12	51
		Aug-12	50
Sep-12	51		

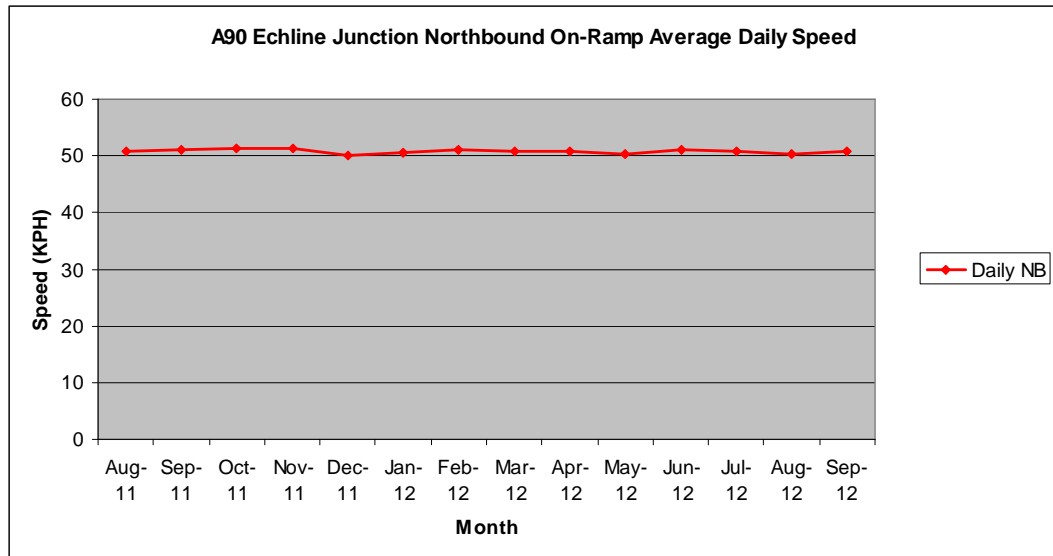


Figure 4-287 Average Monthly Traffic Speeds (KPH) on the A90 Echline Junction Northbound On-Ramp

4.18 Traffic Counter JTC58348 – A90 Echline Junction Southbound Off-Ramp

4.18.1 Monthly Average Traffic Flows

Table 3-120 Site: JTC58348 Annual Traffic Flows – August 2011 to September 2012

Counter	Location	Date	SB
JTC58348	A90 Echline Junction Southbound Off-Ramp	Aug-11	8,063
		Sep-11	7,739
		Oct-11	7,009
		Nov-11	7,517
		Dec-11	6,438
		Jan-12	6,835
		Feb-12	7,446
		Mar-12	7,665
		Apr-12	7,452
		May-12	8,039
		Jun-12	8,059
		Jul-12	7,833
		Aug-12	8,569
		Sep-12	8,068
		Annual Average	7,508

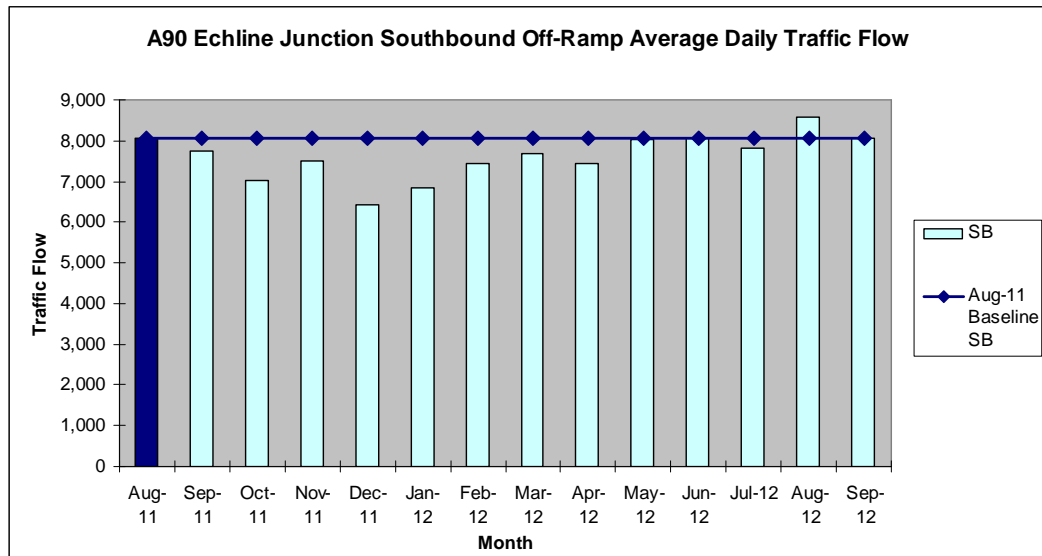


Figure 4-288 Monthly Two Way Daily Traffic Flows on the A90 Echline Junction Southbound Off-Ramp

4.18.2 Monthly Average AM Peak Traffic Flows

Table 4-121 Site: JTC58348 AM Peak Traffic Flows – August 2011 to September 2012

Counter	Location	Date	SB
JTC58348	A90 Echline Junction Southbound Off-Ramp	Aug-11	1,463
		Sep-11	1,514
		Oct-11	1,365
		Nov-11	1,640
		Dec-11	1,281
		Jan-12	1,416
		Feb-12	1,525
		Mar-12	1,541
		Apr-12	1,391
		May-12	1,594
		Jun-12	1,593
		Jul-12	1,385
		Aug-12	1,560
		Sep-12	1,519
		Annual Average	1,476

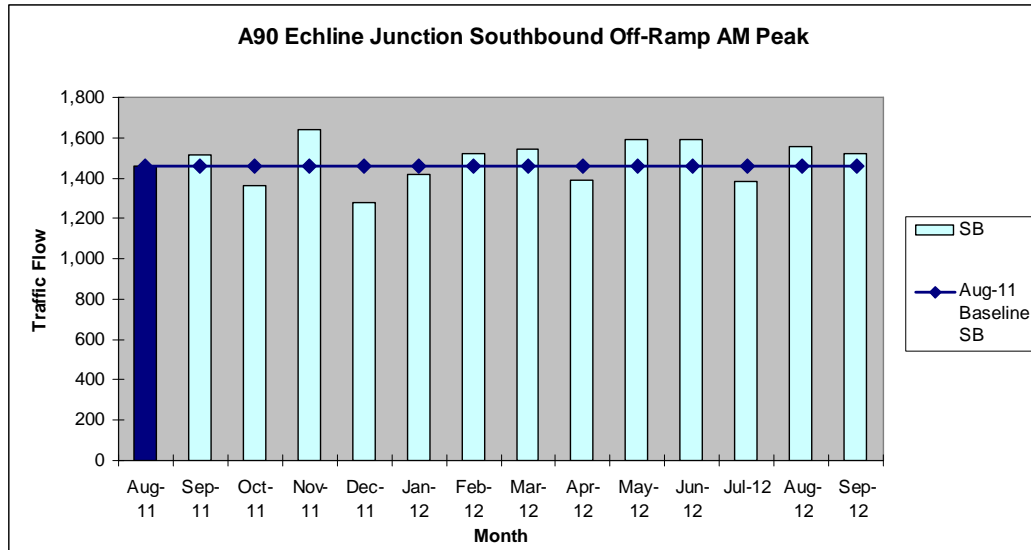


Figure 4-289 Monthly Southbound AM Peak Flows on the A90 Echline Junction Southbound Off-Ramp

4.18.3 Monthly Average PM Peak Traffic Flows

Table 4-122 Site: JTC58348 PM Peak Traffic Flows – August 2011 to September 2012

Counter	Location	Date	SB
JTC58348	A90 Echline Junction Southbound Off-Ramp	Aug-11	2,033
		Sep-11	1,959
		Oct-11	1,745
		Nov-11	1,872
		Dec-11	1,430
		Jan-12	1,693
		Feb-12	1,856
		Mar-12	1,920
		Apr-12	1,855
		May-12	2,026
		Jun-12	1,916
		Jul-12	1,900
		Aug-12	2,183
		Sep-12	2,031
		Annual Average	1,850

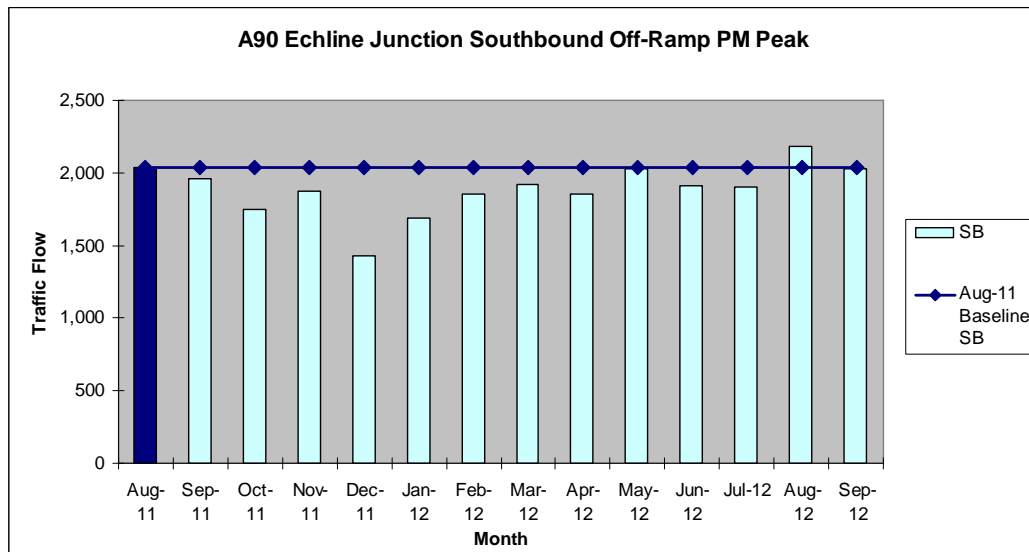


Figure 4-290 Monthly PM Peak Flows on the A90 Echline Junction Southbound Off-Ramp

4.18.4 Monthly Average HGV Flows

Table 4-123 Site: JTC58348 Annual HGV Traffic Flows – August 2011 to September 2012

Counter	Location	Date	SB
JTC58348	A90 Echline Junction Southbound Off-Ramp	Aug-11	310
		Sep-11	295
		Oct-11	275
		Nov-11	292
		Dec-11	228
		Jan-12	244
		Feb-12	287
		Mar-12	299
		Apr-12	290
		May-12	313
		Jun-12	298
		Jul-12	288
		Aug-12	317
		Sep-12	301
		Annual Average	

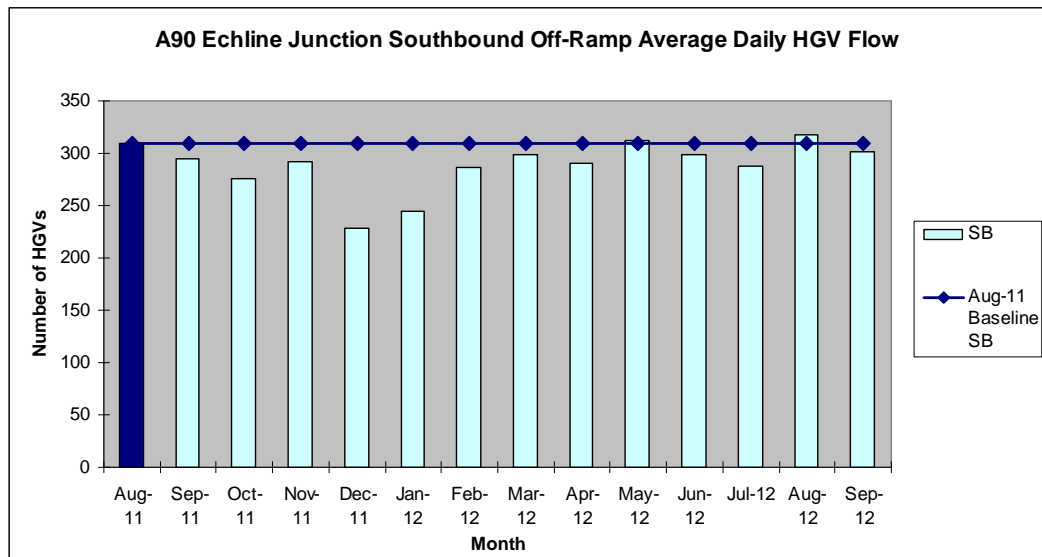


Figure 4-291 Monthly HGV Flows on the A90 Echline Junction Southbound Off-Ramp

4.18.5 Monthly Average AM Peak HGV Flows

Table 4-124 Site: JTC58348 AM Peak HGV Traffic Flows – August 2011 to September 2012

Counter	Location	Date	SB
JTC58348	A90 Echline Junction Southbound Off-Ramp	Aug-11	60
		Sep-11	58
		Oct-11	53
		Nov-11	55
		Dec-11	47
		Jan-12	47
		Feb-12	53
		Mar-12	56
		Apr-12	53
		May-12	59
		Jun-12	60
		Jul-12	55
		Aug-12	59
		Sep-12	59
		Annual Average	55

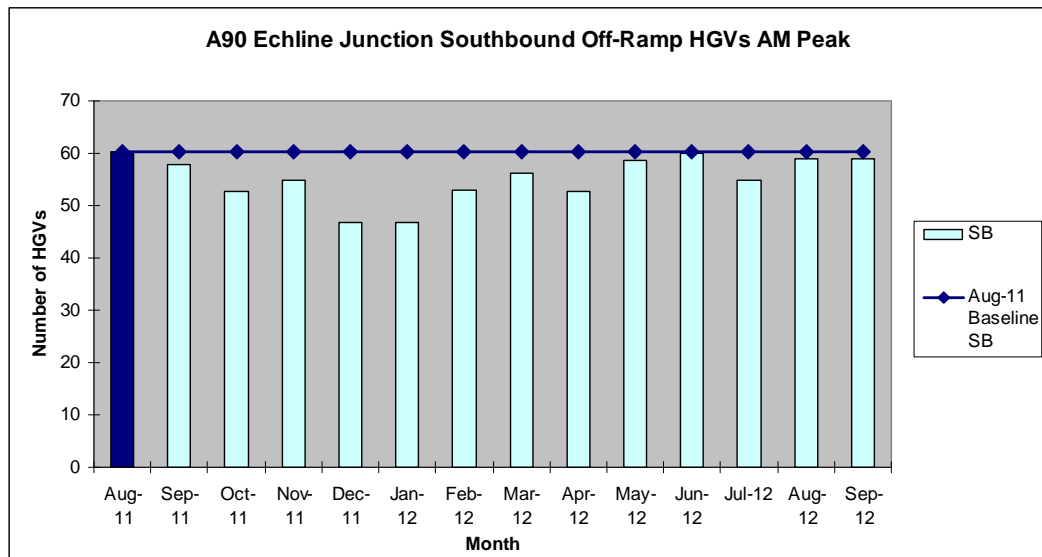


Figure 4-292 Monthly AM Peak HGV Flows on the A90 Echline Junction Southbound Off-Ramp

4.18.6 Monthly Average PM Peak HGV Flows

Table 4-125 Site: JTC58348 PM Peak HGV Traffic Flows – August 2011 to September 2012

Counter	Location	Date	SB
JTC58348	A90 Echline Junction Southbound Off-Ramp	Aug-11	52
		Sep-11	49
		Oct-11	46
		Nov-11	49
		Dec-11	34
		Jan-12	40
		Feb-12	45
		Mar-12	49
		Apr-12	44
		May-12	51
		Jun-12	47
		Jul-12	48
		Aug-12	55
		Sep-12	52
		Annual Average	46

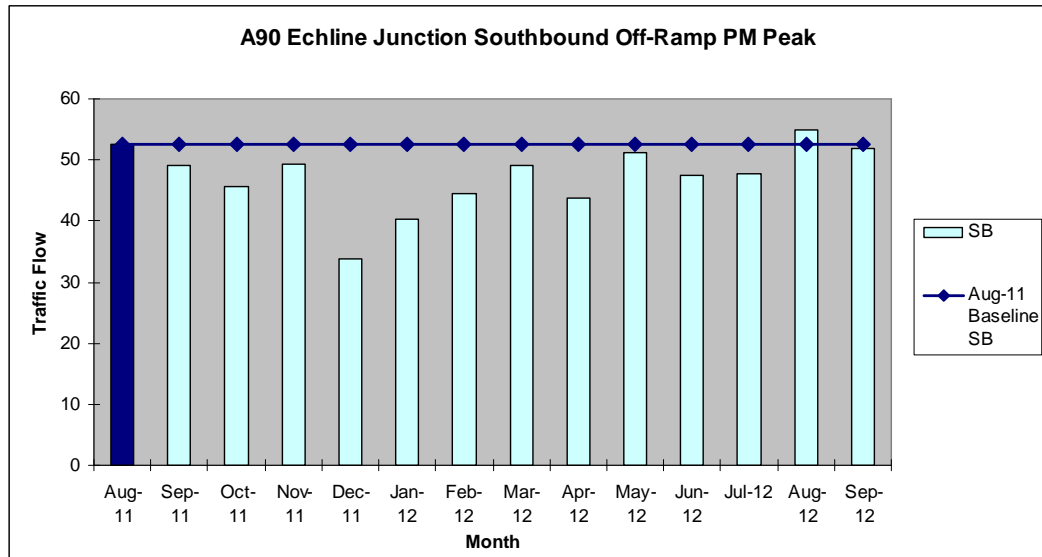


Figure 4-293 Monthly PM HGV Peak Flows on the A90 Echline Junction Southbound Off-Ramp

4.18.7 Monthly Average All Vehicles Traffic Speeds

Table 4-126 Site: JTC58348 Average Monthly Traffic Speeds (KPH) (All Vehicles) – August 2011 to September 2012

Counter	Location	Date	SB
JTC58348	A90 Echline Junction Southbound Off-Ramp	Aug-11	57
		Sep-11	57
		Oct-11	56
		Nov-11	56
		Dec-11	55
		Jan-12	56
		Feb-12	56
		Mar-12	57
		Apr-12	57
		May-12	56
		Jun-12	56
		Jul-12	56
		Aug-12	55
Sep-12	56		

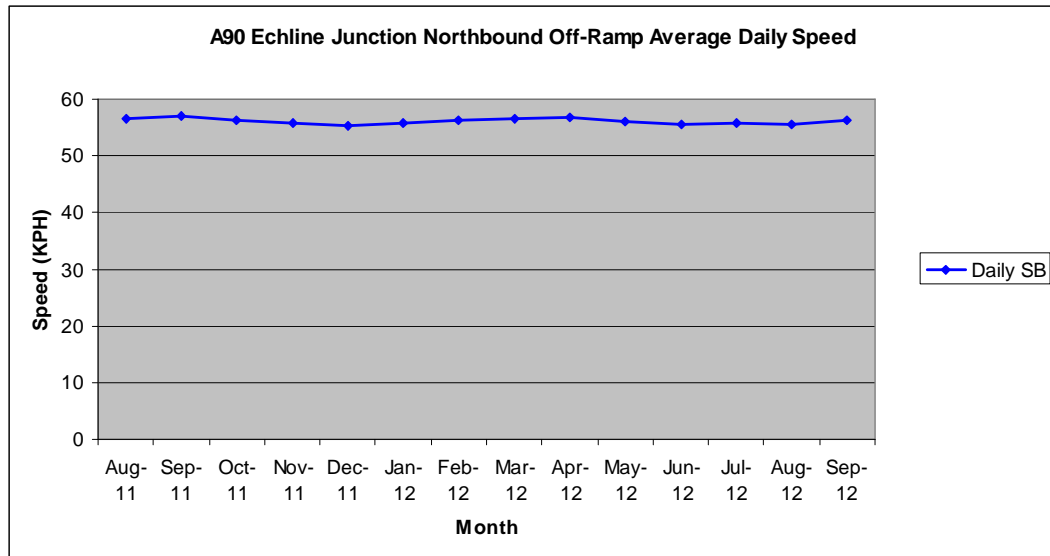


Figure 4-294 Average Monthly Traffic Speeds (KPH) on the A90 Echline Junction Southbound Off-Ramp

4.19 Traffic Counter NTC00802 – A90 Northbound (West of Barnton)

4.19.1 Monthly Average Traffic Flows

Table 3-127 Site: NTC00802 Annual Traffic Flows – August 2011 to September 2012

Counter	Location	Date	NB
NTC00802	A90 Northbound (West of Barnton)	Aug-11	No Data
		Sep-11	No Data
		Oct-11	No Data
		Nov-11	28,713
		Dec-11	27,187
		Jan-12	No Data
		Feb-12	No Data
		Mar-12	29,289
		Apr-12	19,208
		May-12	20,305
		Jun-12	29,899
		Jul-12	No Data
		Aug-12	21,410
		Sep-12	20,024

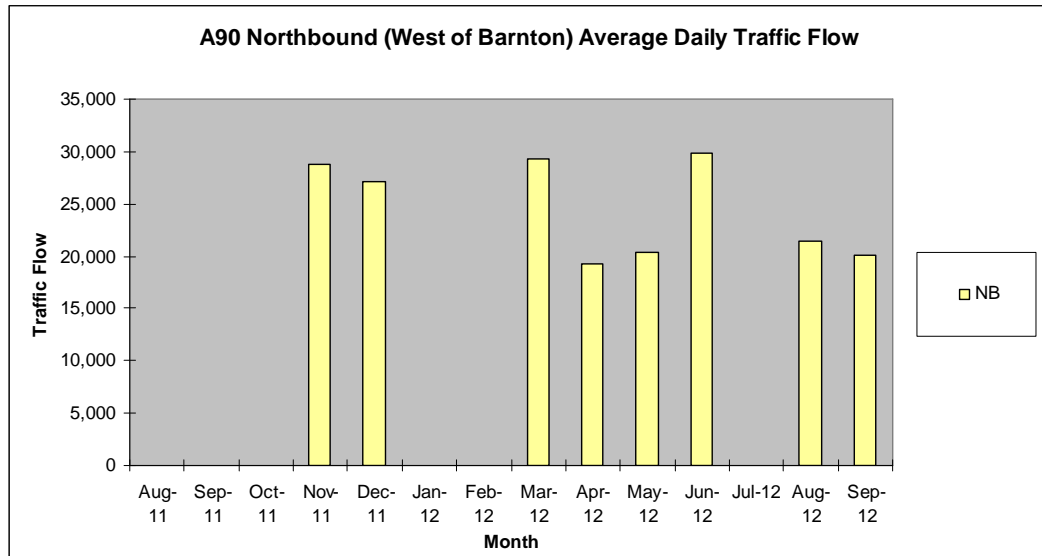


Figure 4-295 Monthly AADTs on the A90 Northbound (West of Barnton)

4.19.2 Monthly Average AM Peak Traffic Flows

Table 4-128 Site: NTC00802 AM Peak Traffic Flows – August 2011 to September 2012

Counter	Location	Date	NB
NTC00802	A90 Northbound (West of Barnton)	Aug-11	No Data
		Sep-11	No Data
		Oct-11	No Data
		Nov-11	4,242
		Dec-11	3,647
		Jan-12	No Data
		Feb-12	No Data
		Mar-12	4,428
		Apr-12	2,974
		May-12	3,393
		Jun-12	4,448
		Jul-12	No Data
		Aug-12	3,426
		Sep-12	3,230
		Annual Average	3,855

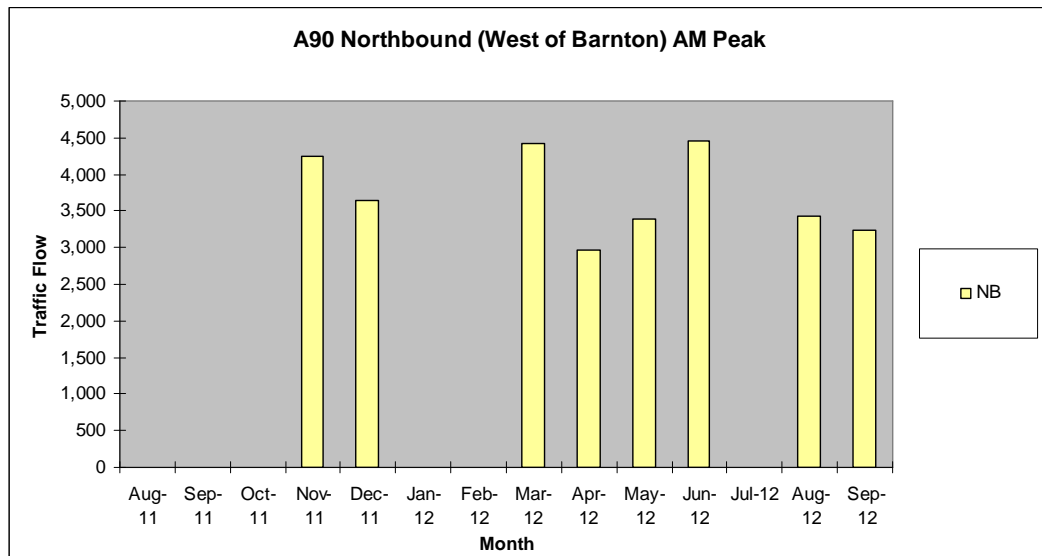


Figure 4-296 Monthly Northbound AM Peak Flows on the A90 Northbound (West of Barnton)

4.19.3 Monthly Average PM Peak Traffic Flows

Table 4-129 Site: NTC00802 PM Peak Traffic Flows – August 2011 to September 2012

Counter	Location	Date	NB
NTC00802	A90 Northbound (West of Barnton)	Aug-11	No Data
		Sep-11	No Data
		Oct-11	No Data
		Nov-11	6,522
		Dec-11	5,644
		Jan-12	No Data
		Feb-12	No Data
		Mar-12	6,631
		Apr-12	5,260
		May-12	5,467
		Jun-12	6,522
		Jul-12	No Data
		Aug-12	5,706
		Sep-12	5,409
		Annual Average	6,008

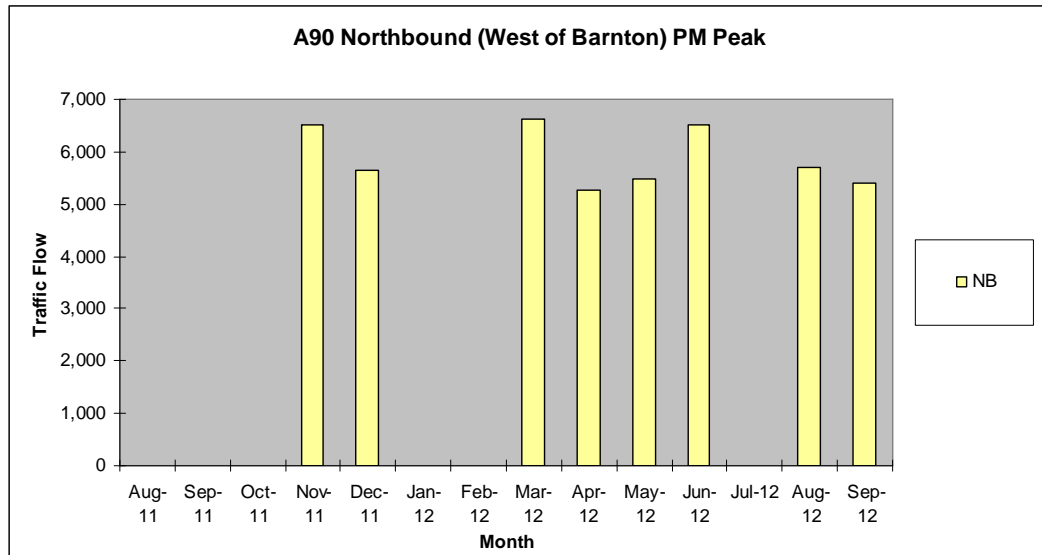


Figure 4-297 Monthly PM Peak Flows on the A90 Northbound (West of Barnton)

4.19.4 Monthly Average HGV Flows

Table 4-130 Site: NTC00802 Annual HGV Traffic Flows – August 2011 to September 2012

Counter	Location	Date	NB
NTC00802	A90 Northbound (West of Barnton)	Aug-11	No Data
		Sep-11	No Data
		Oct-11	No Data
		Nov-11	418
		Dec-11	371
		Jan-12	No Data
		Feb-12	No Data
		Mar-12	462
		Apr-12	446
		May-12	478
		Jun-12	485
		Jul-12	No Data
		Aug-12	517
		Sep-12	465

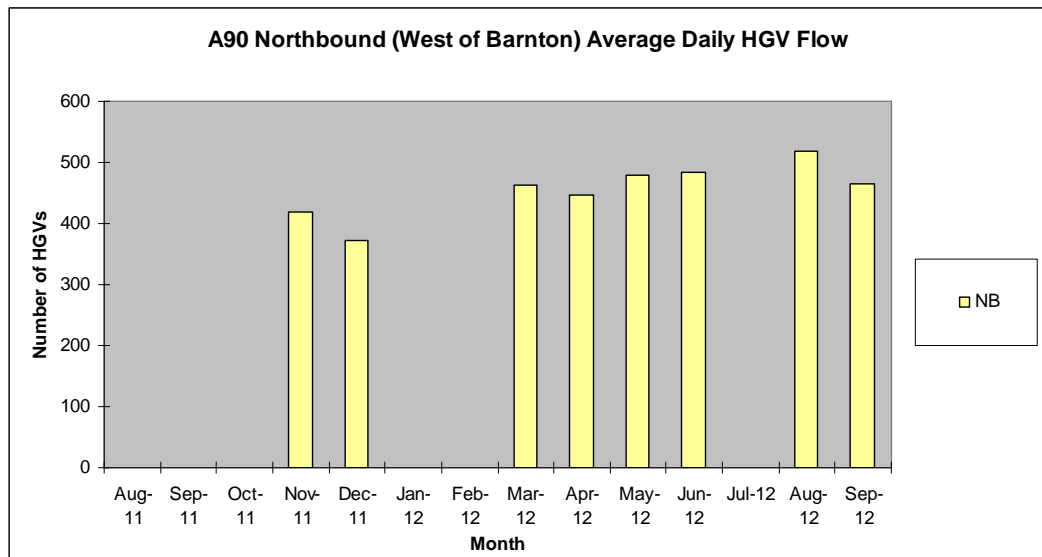


Figure 4-298 Monthly Eastbound HGV Flows on the A90 Northbound (West of Barnton)

4.19.5 Monthly Average AM Peak HGV Flows

Table 4-131 Site: NTC00802 AM Peak HGV Traffic Flows – August 2011 to September 2012

Counter	Location	Date	NB
NTC00802	A90 Northbound (West of Barnton)	Aug-11	No Data
		Sep-11	No Data
		Oct-11	No Data
		Nov-11	38
		Dec-11	32
		Jan-12	No Data
		Feb-12	No Data
		Mar-12	39
		Apr-12	36
		May-12	45
		Jun-12	44
		Jul-12	No Data
		Aug-12	43
		Sep-12	40
		Annual Average	39

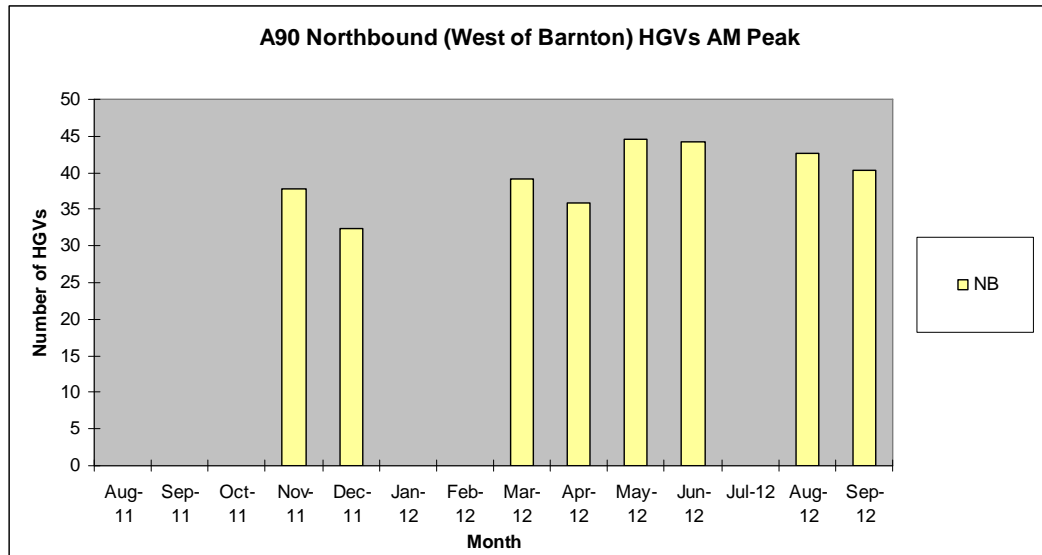


Figure 4-299 Monthly Eastbound AM Peak HGV Flows on the A90 Northbound (West of Barnton)

4.19.6 Monthly Average PM Peak HGV Flows

Table 4-132 Site: NTC00802 PM Peak HGV Traffic Flows – August 2011 to September 2012

Counter	Location	Date	NB
NTC00802	A90 Northbound (West of Barnton)	Aug-11	No Data
		Sep-11	No Data
		Oct-11	No Data
		Nov-11	23
		Dec-11	20
		Jan-12	No Data
		Feb-12	No Data
		Mar-12	22
		Apr-12	22
		May-12	23
		Jun-12	24
		Jul-12	No Data
		Aug-12	29
		Sep-12	23
		Annual Average	23

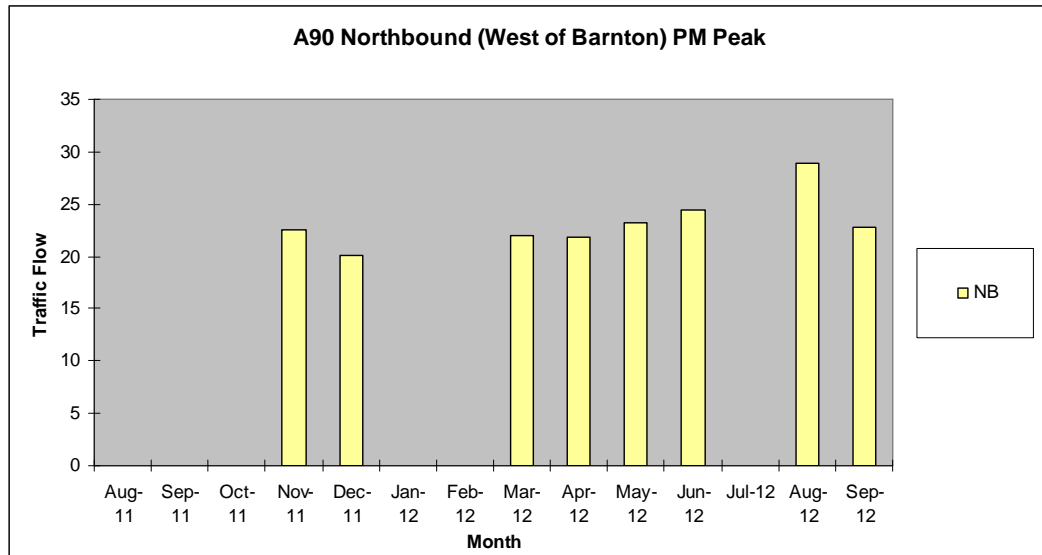


Figure 4-300 Monthly Eastbound PM HGV Peak Flows on the A90 Northbound (West of Barnton)

4.19.7 Monthly Average All Vehicles Traffic Speeds

Table 4-133 Site: NTC00802 Average Monthly Traffic Speeds (KPH) (All Vehicles) – August 2011 to September 2012

Counter	Location	Date	NB
NTC00802	A90 Northbound (West of Barnton)	Aug-11	No Data
		Sep-11	No Data
		Oct-11	No Data
		Nov-11	71
		Dec-11	71
		Jan-12	No Data
		Feb-12	No Data
		Mar-12	72
		Apr-12	72
		May-12	72
		Jun-12	72
		Jul-12	No Data
		Aug-12	71
		Sep-12	72

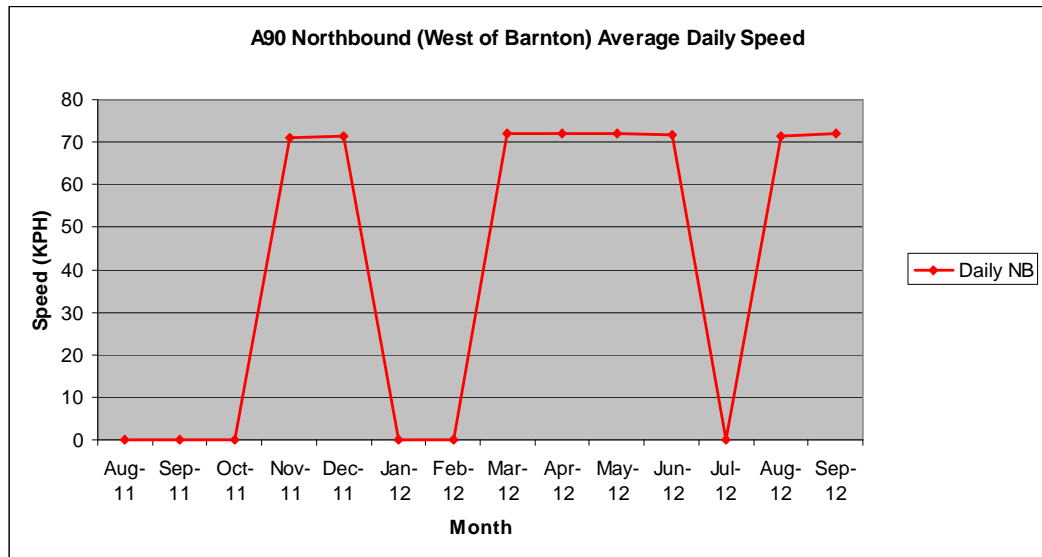


Figure 4-301 Average Monthly Traffic Speeds (KPH) on the A90 Northbound (West of Barnton)

4.20 Traffic Counter NTC00803 – A90 Southbound (West of Barnton)

4.20.1 Monthly Average Traffic Flows

Table 3-134 Site: NTC00803 Annual Traffic Flows – August 2011 to September 2012

Counter	Location	Date	SB
NTC00803	A90 Southbound (West of Barnton)	Aug-11	No Data
		Sep-11	No Data
		Oct-11	No Data
		Nov-11	17,566
		Dec-11	16,526
		Jan-12	No Data
		Feb-12	No Data
		Mar-12	27,732
		Apr-12	17,717
		May-12	18,634
		Jun-12	28,135
		Jul-12	No Data
		Aug-12	19,651
		Sep-12	18,419

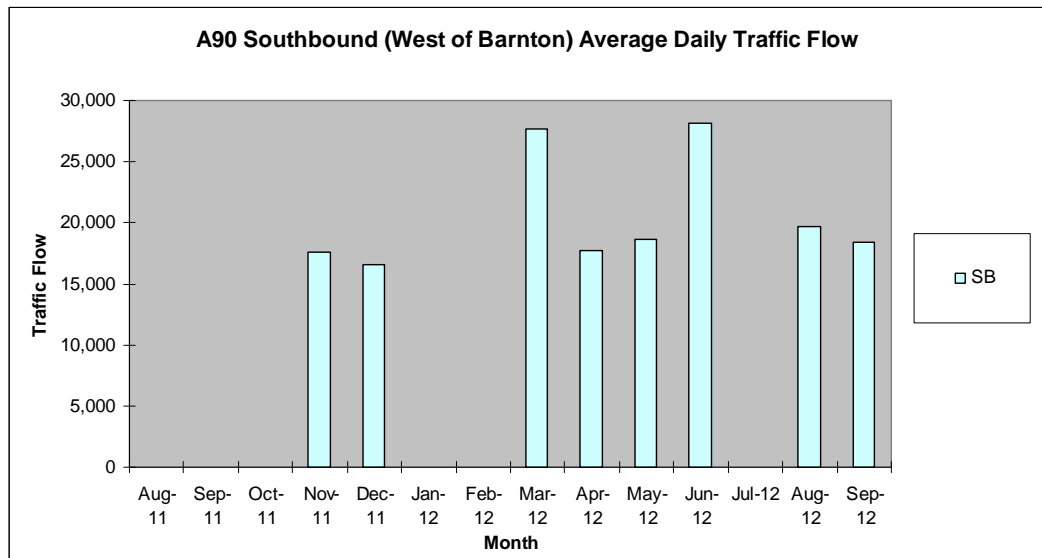


Figure 4-302 Monthly AADTs on the A90 Southbound (West of Barnton)

4.20.2 Monthly Average AM Peak Traffic Flows

Table 4-135 Site: NTC00803 AM Peak Traffic Flows – August 2011 to September 2012

Counter	Location	Date	SB
NTC00803	A90 Southbound (West of Barnton)	Aug-11	No Data
		Sep-11	No Data
		Oct-11	No Data
		Nov-11	4,353
		Dec-11	3,632
		Jan-12	No Data
		Feb-12	No Data
		Mar-12	5,625
		Apr-12	3,918
		May-12	4,348
		Jun-12	5,211
		Jul-12	No Data
		Aug-12	4,260
		Sep-12	4,053
		Annual Average	4,515

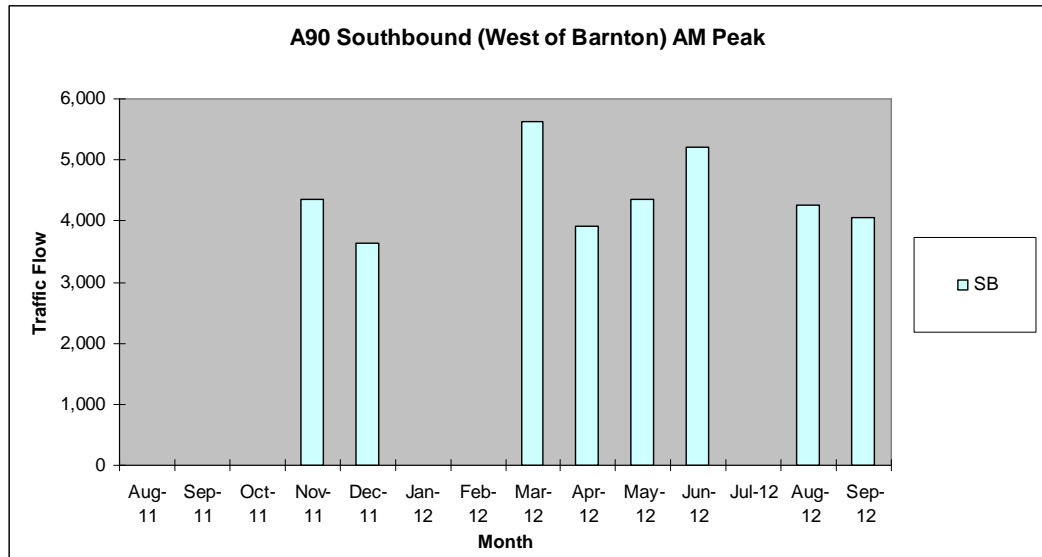


Figure 4-303 Monthly Southbound AM Peak Flows on the A90 Southbound (West of Barnton)

4.20.3 Monthly Average PM Peak Traffic Flows

Table 4-136 Site: NTC00803 PM Peak Traffic Flows – August 2011 to September 2012

Counter	Location	Date	SB
NTC00803	A90 Southbound (West of Barnton)	Aug-11	No Data
		Sep-11	No Data
		Oct-11	No Data
		Nov-11	3,763
		Dec-11	3,319
		Jan-12	No Data
		Feb-12	No Data
		Mar-12	5,259
		Apr-12	3,929
		May-12	4,211
		Jun-12	5,306
		Jul-12	No Data
		Aug-12	4,512
		Sep-12	4,178
		Annual Average	4,298

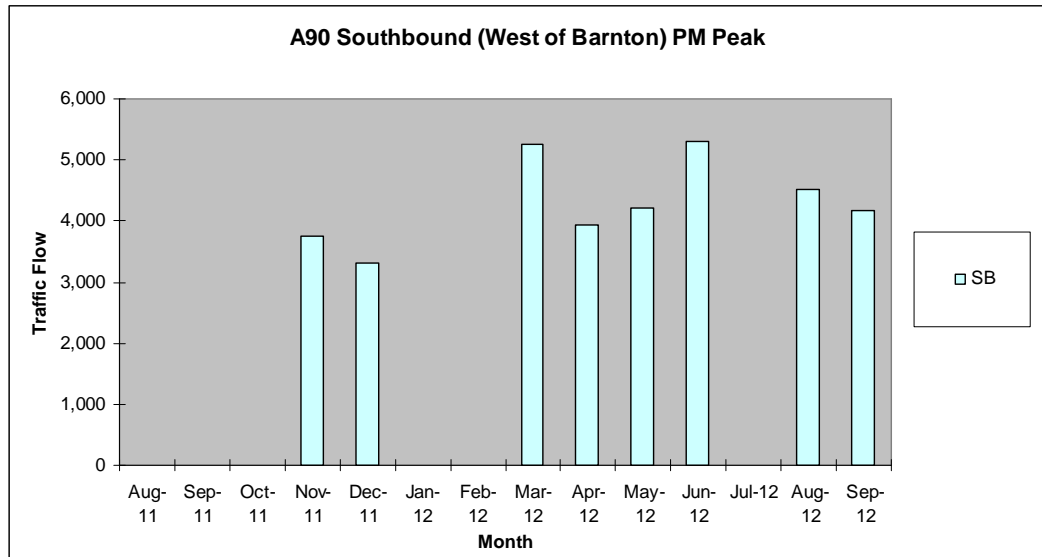


Figure 4-304 Monthly PM Peak Flows on the A90 Southbound (West of Barnton)

4.20.4 Monthly Average HGV Flows

Table 4-137 Site: NTC00803 Annual HGV Traffic Flows – August 2011 to September 2012

Counter	Location	Date	SB
NTC00803	A90 Southbound (West of Barnton)	Aug-11	No Data
		Sep-11	No Data
		Oct-11	No Data
		Nov-11	331
		Dec-11	301
		Jan-12	No Data
		Feb-12	No Data
		Mar-12	356
		Apr-12	347
		May-12	375
		Jun-12	393
		Jul-12	No Data
		Aug-12	424
		Sep-12	376

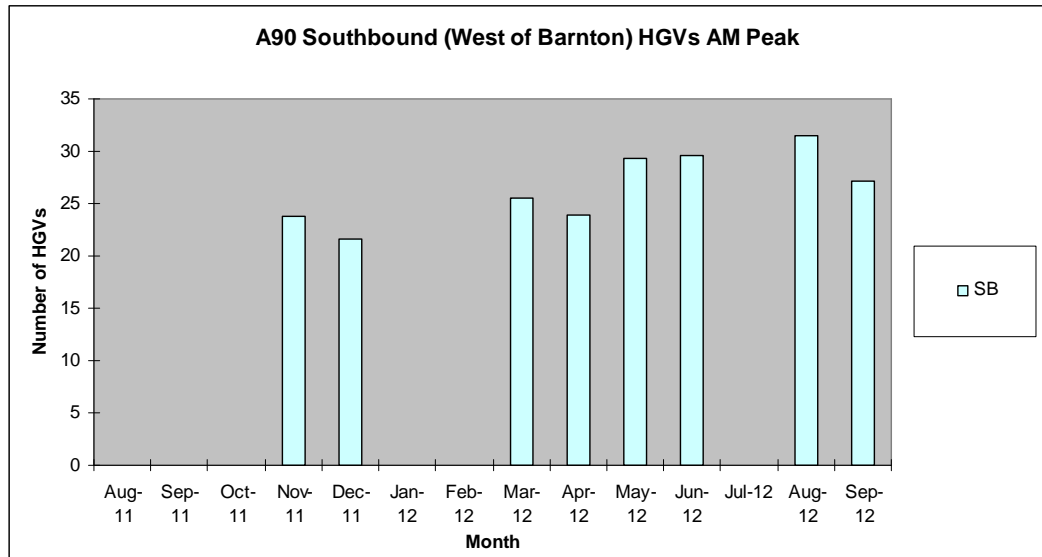


Figure 4-305 Monthly Southbound HGV Flows on the A90 Southbound (West of Barnton)

4.20.5 Monthly Average AM Peak HGV Flows

Table 4-138 Site: NTC00803 AM Peak HGV Traffic Flows – August 2011 to September 2012

Counter	Location	Date	SB
NTC00803	A90 Southbound (West of Barnton)	Aug-11	No Data
		Sep-11	No Data
		Oct-11	No Data
		Nov-11	24
		Dec-11	22
		Jan-12	No Data
		Feb-12	No Data
		Mar-12	26
		Apr-12	24
		May-12	29
		Jun-12	30
		Jul-12	No Data
		Aug-12	31
		Sep-12	27

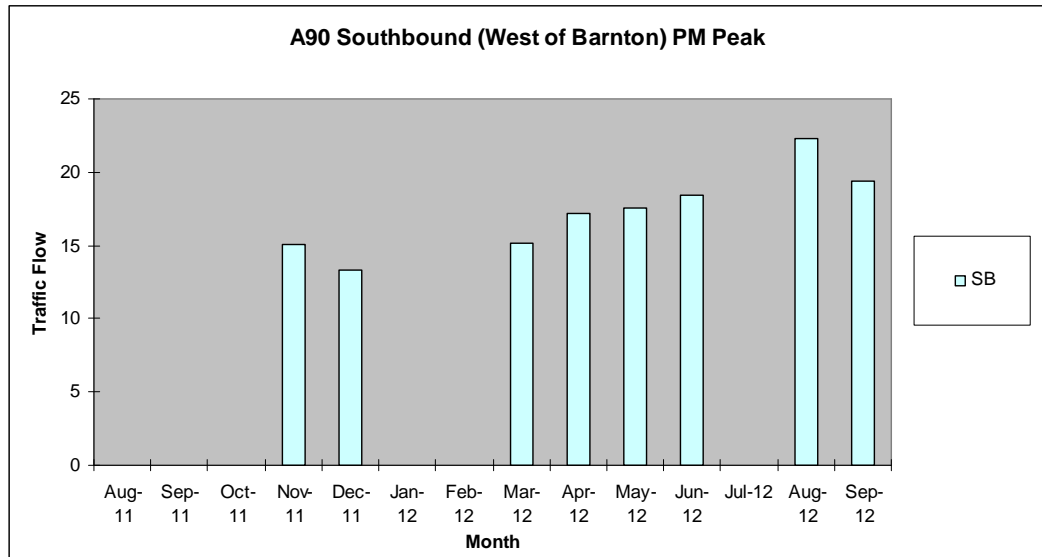


Figure 4-306 Monthly Southbound AM Peak HGV Flows on the A90 Southbound (West of Barnton)

4.20.6 Monthly Average PM Peak HGV Flows

Table 4-139 Site: NTC00803 PM Peak HGV Traffic Flows – August 2011 to September 2012

Counter	Location	Date	SB
NTC00803	A90 Southbound (West of Barnton)	Aug-11	No Data
		Sep-11	No Data
		Oct-11	No Data
		Nov-11	15
		Dec-11	13
		Jan-12	No Data
		Feb-12	No Data
		Mar-12	15
		Apr-12	17
		May-12	18
		Jun-12	18
		Jul-12	No Data
		Aug-12	22
		Sep-12	19
		Annual Average	16

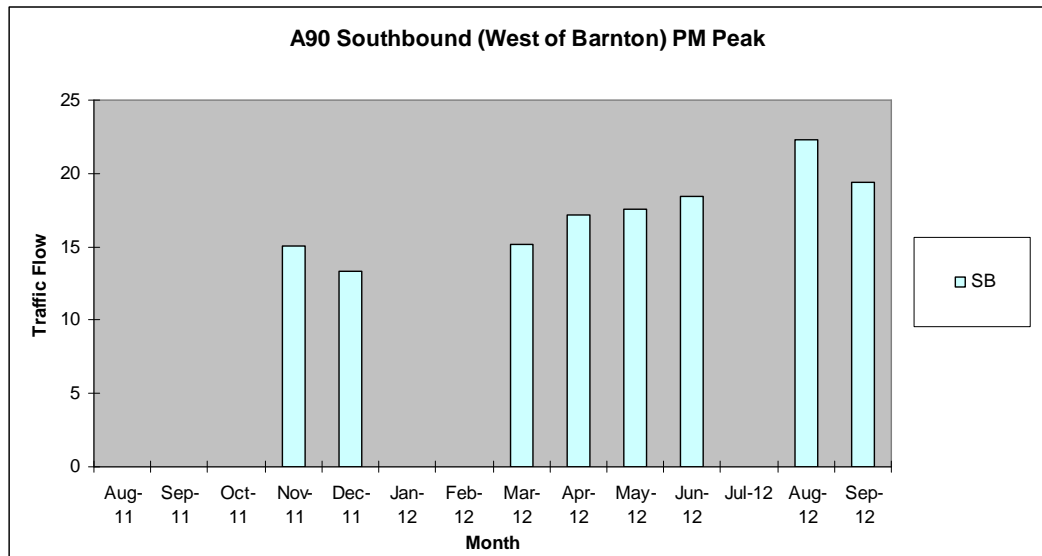


Figure 4-307 Monthly Southbound PM HGV Peak Flows on the A90 Southbound (West of Barnton)

4.20.7 Monthly Average All Vehicles Traffic Speeds

Table 4-140 Site: NTC00803 Average Monthly Traffic Speeds (KPH) (All Vehicles) – August 2011 to September 2012

Counter	Location	Date	SB
NTC00803	A90 Southbound (West of Barnton)	Aug-11	No Data
		Sep-11	No Data
		Oct-11	No Data
		Nov-11	63
		Dec-11	63
		Jan-12	No Data
		Feb-12	No Data
		Mar-12	64
		Apr-12	64
		May-12	64
		Jun-12	No Data
		Jul-12	64
		Aug-12	64
		Sep-12	64

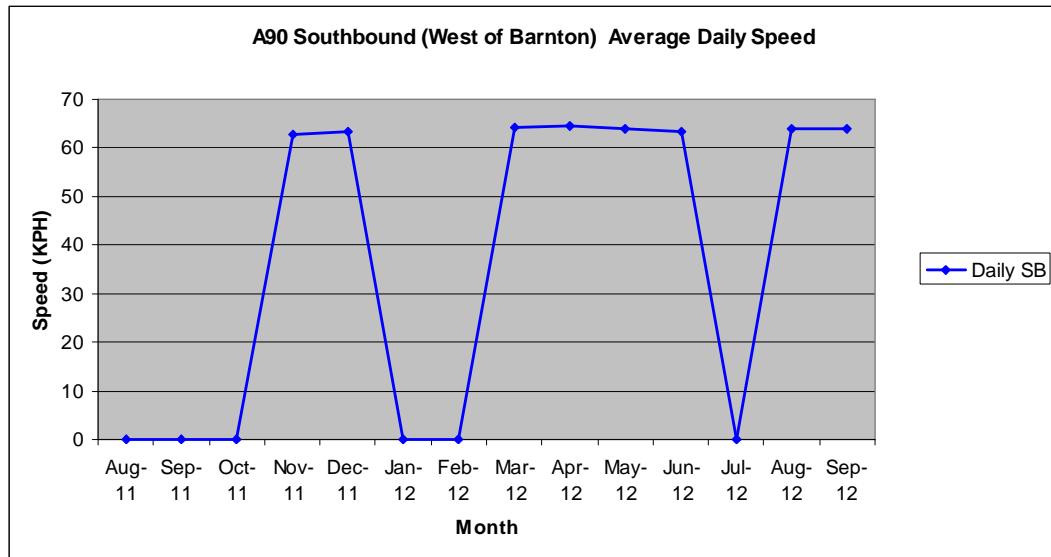


Figure 4-308 Average Monthly Traffic Speeds (KPH) on the A90 Southbound (West of Barnton)

4.21 Traffic Counter NTCNT010 – A8 West of A720 City Bypass (Gogar)

4.21.1 Monthly Average Traffic Flows

Table 3-141 Site: NTCNT010 Annual Traffic Flows – August 2011 to September 2012

Counter	Location	Date	EB	WB	Two Way
NTCNT010	A8 West of A720 City Bypass (Gogar)	Aug-11	21,732	21,080	42,812
		Sep-11	23,474	22,555	46,029
		Oct-11	22,251	21,043	43,294
		Nov-11	22,374	20,690	43,064
		Dec-11	No Data	No Data	No Data
		Jan-12	No Data	No Data	No Data
		Feb-12	No Data	No Data	No Data
		Mar-12	21,901	20,524	42,425
		Apr-12	21,059	20,040	41,099
		May-12	22,474	21,237	43,711
		Jun-12	21,792	21,205	42,997
		Jul-12	21,486	20,674	42,160
		Aug-12	22,569	21,542	44,111
		Sep-12	22,167	21,166	43,333
			Annual Average		22,060

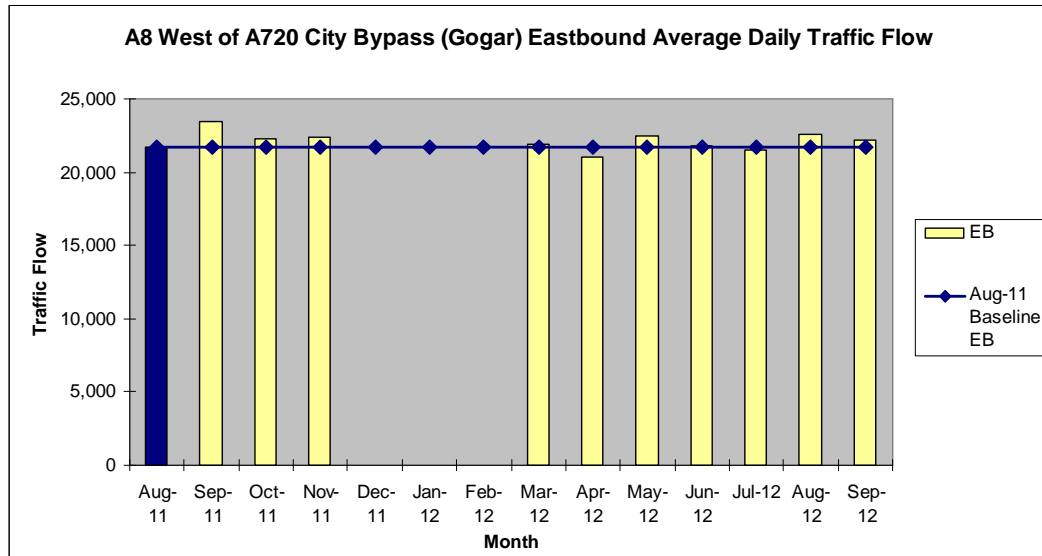


Figure 4-309 Monthly Eastbound AADTs on the A8 West of A720 City Bypass (Gogar)

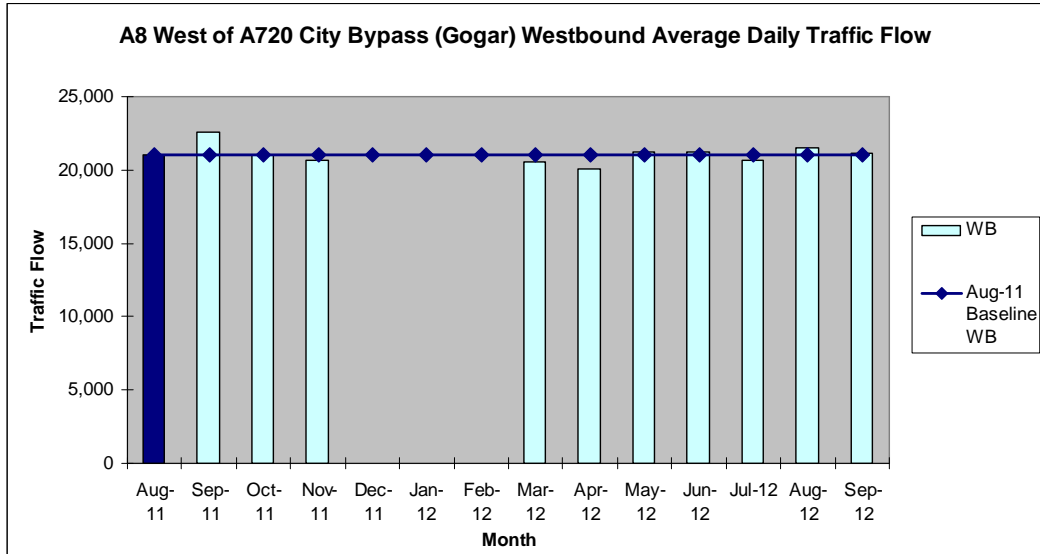


Figure 4-310 Monthly Westbound AADTs on the A8 West of A720 City Bypass (Gogar)

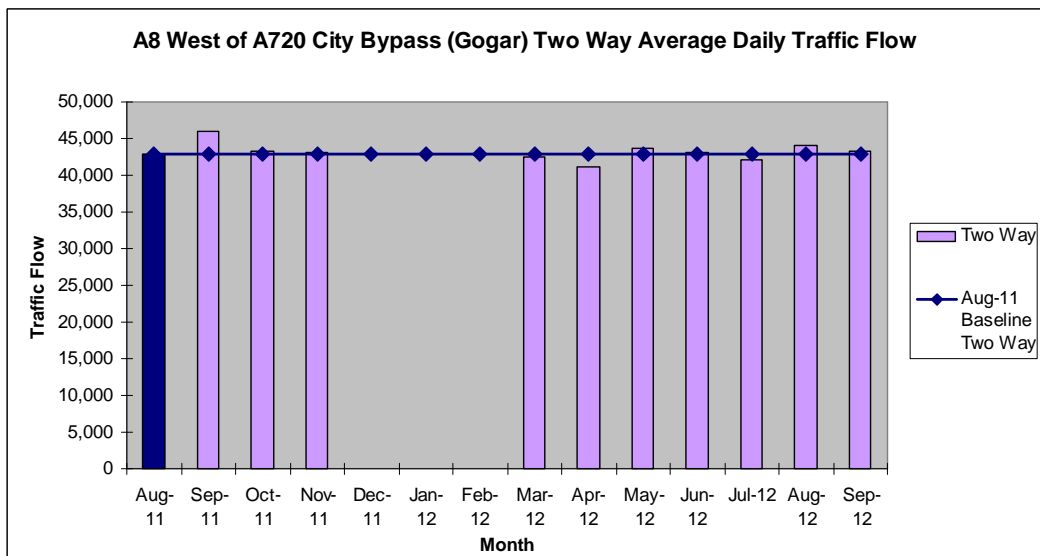


Figure 4-311 Monthly Two Way Daily Traffic Flows on the A8 West of A720 City Bypass (Gogar)

4.21.2 Monthly Average AM Peak Traffic Flows

Table 4-142 Site: NTCNT010 AM Peak Traffic Flows – August 2011 to September 2012

Counter	Location	Date	EB	WB	Two Way
NTCNT010	A8 West of A720 City Bypass (Gogar)	Aug-11	4,708	3,509	8,217
		Sep-11	5,381	3,879	9,260
		Oct-11	5,381	3,879	9,260
		Nov-11	5,547	3,724	9,270
		Dec-11	No Data	No Data	No Data
		Jan-12	No Data	No Data	No Data
		Feb-12	No Data	No Data	No Data
		Mar-12	5,425	3,783	9,208
		Apr-12	4,926	3,520	8,446
		May-12	5,478	3,893	9,371
		Jun-12	4,868	4,009	8,878
		Jul-12	4,908	3,596	8,504
		Aug-12	5,244	3,741	8,985
		Sep-12	5,113	3,684	8,797
		Annual Average	5,180	3,755	8,935

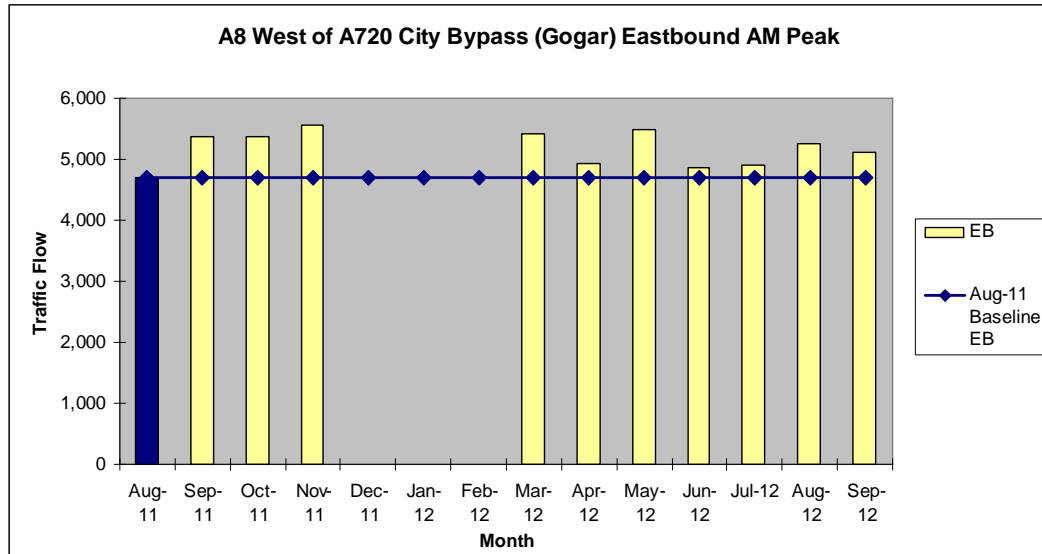


Figure 4-312 Monthly Eastbound AM Peak Flows on the A8 West of A720 City Bypass (Gogar)

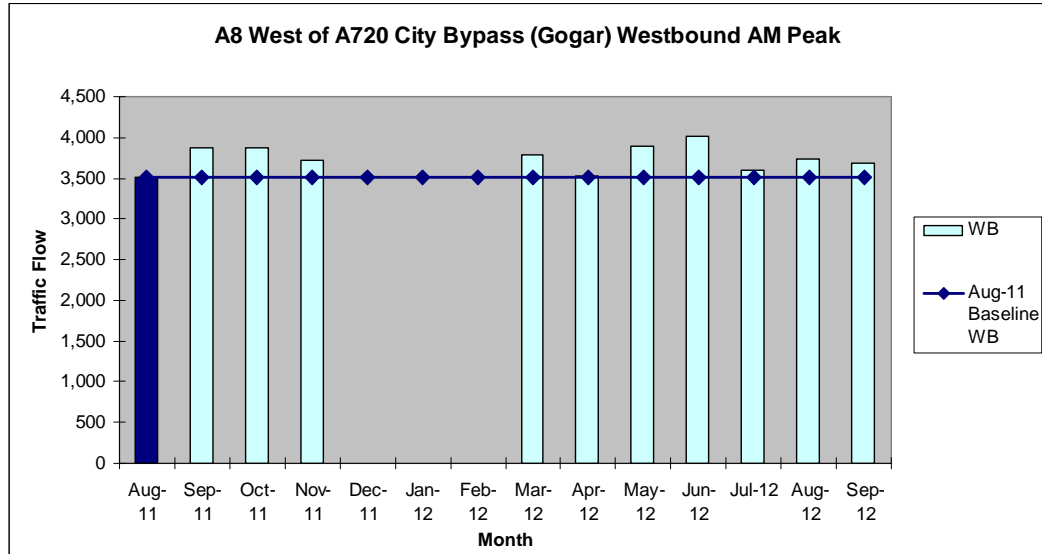


Figure 4-313 Monthly Westbound AM Peak Flows on the A8 West of A720 City Bypass (Gogar)

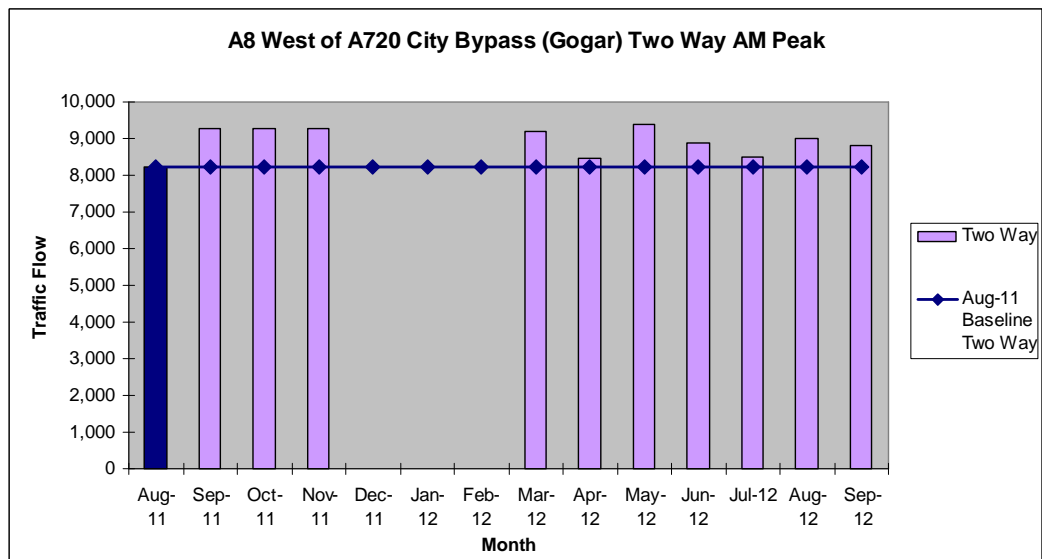


Figure 4-314 Monthly Two Way AM Peak Flows on the A8 West of A720 City Bypass (Gogar)

4.21.3 Monthly Average PM Peak Traffic Flows

Table 4-143 Site: NTCNT010 PM Peak Traffic Flows – August 2011 to September 2012

Counter	Location	Date	EB	WB	Two Way
NTCNT010	A8 West of A720 City Bypass (Gogar)	Aug-11	4,578	4,468	9,045
		Sep-11	5,051	4,754	9,805
		Oct-11	5,051	4,754	9,805
		Nov-11	4,881	4,535	9,415
		Dec-11	No Data	No Data	No Data
		Jan-12	No Data	No Data	No Data
		Feb-12	No Data	No Data	No Data
		Mar-12	4,662	4,455	9,117
		Apr-12	4,488	4,395	8,883
		May-12	4,747	4,554	9,301
		Jun-12	4,632	4,272	8,904
		Jul-12	4,413	4,409	8,823
		Aug-12	4,682	4,543	9,225
		Sep-12	4,498	4,427	8,925
		Annual Average	4,722	4,511	9,233

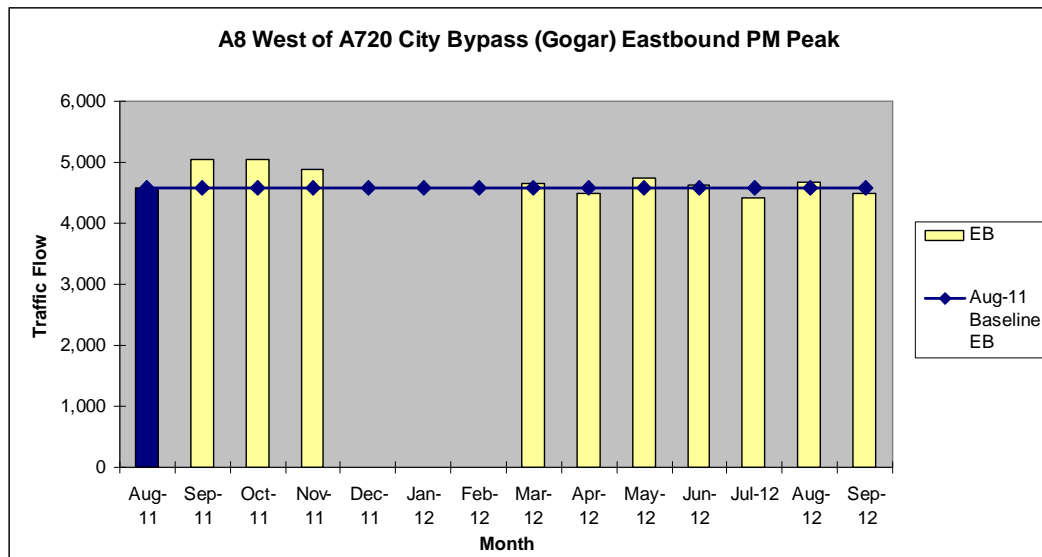


Figure 4-315 Monthly Eastbound PM Peak Flows on the A8 West of A720 City Bypass (Gogar)

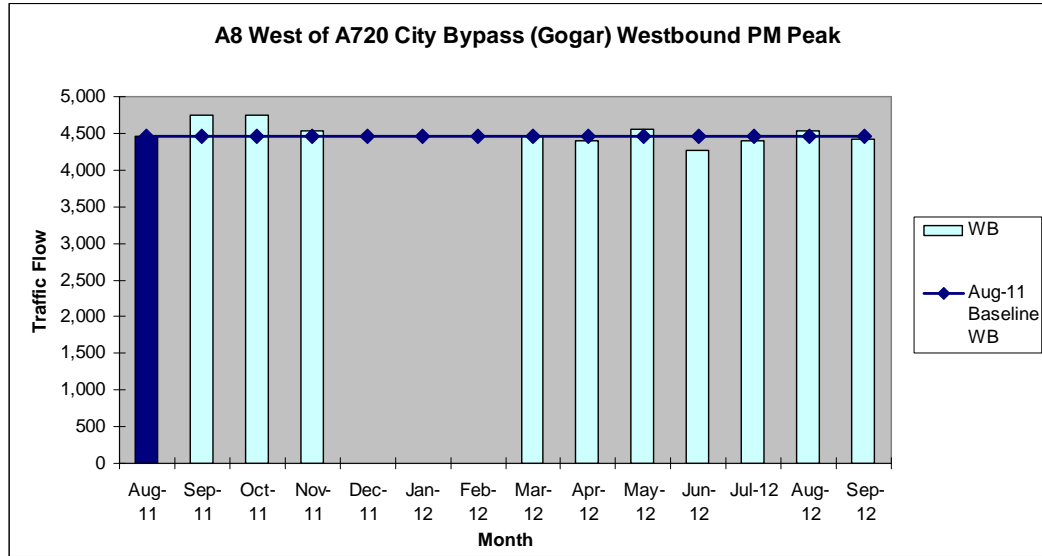


Figure 4-316 Monthly Westbound PM Peak Flows on the A8 West of A720 City Bypass (Gogar)

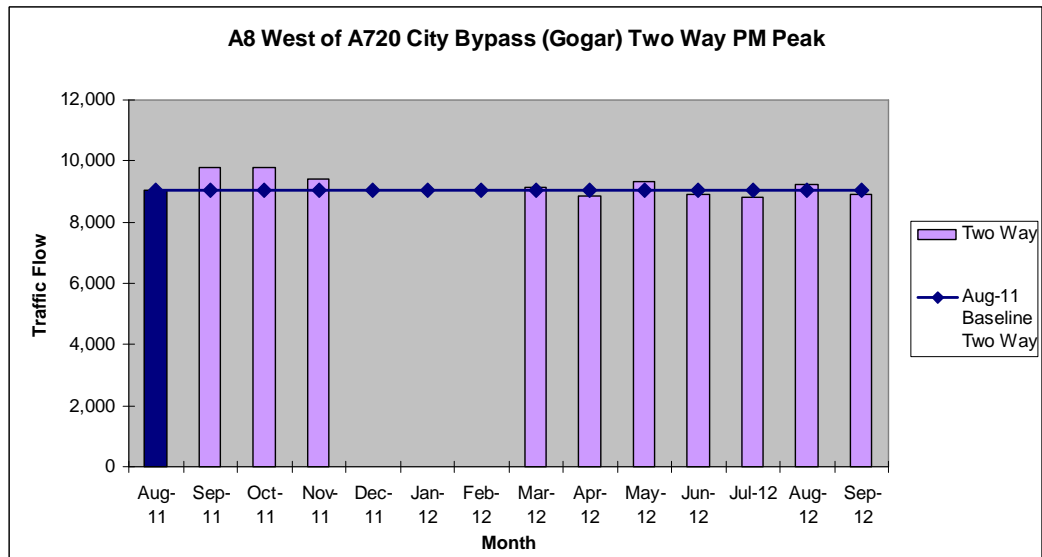


Figure 4-317 Monthly Two Way PM Peak Flows on the A8 West of A720 City Bypass (Gogar)

4.21.4 Monthly Average HGV Flows

Table 4-144 Site: NTCNT010 Annual HGV Traffic Flows – August 2011 to September 2012

Counter	Location	Date	EB	WB	Two Way
NTCNT010	A8 West of A720 City Bypass (Gogar)	Aug-11	780	6,379	7,159
		Sep-11	766	6,179	6,945
		Oct-11	707	5,753	6,460
		Nov-11	707	5,654	6,361
		Dec-11	No Data	No Data	No Data
		Jan-12	No Data	No Data	No Data
		Feb-12	No Data	No Data	No Data
		Mar-12	695	6,020	6,715
		Apr-12	700	6,094	6,794
		May-12	741	6,407	7,148
		Jun-12	780	6,349	7,128
		Jul-12	737	6,223	6,961
		Aug-12	763	6,539	7,301
		Sep-12	717	6,152	6,868
			Annual Average		735

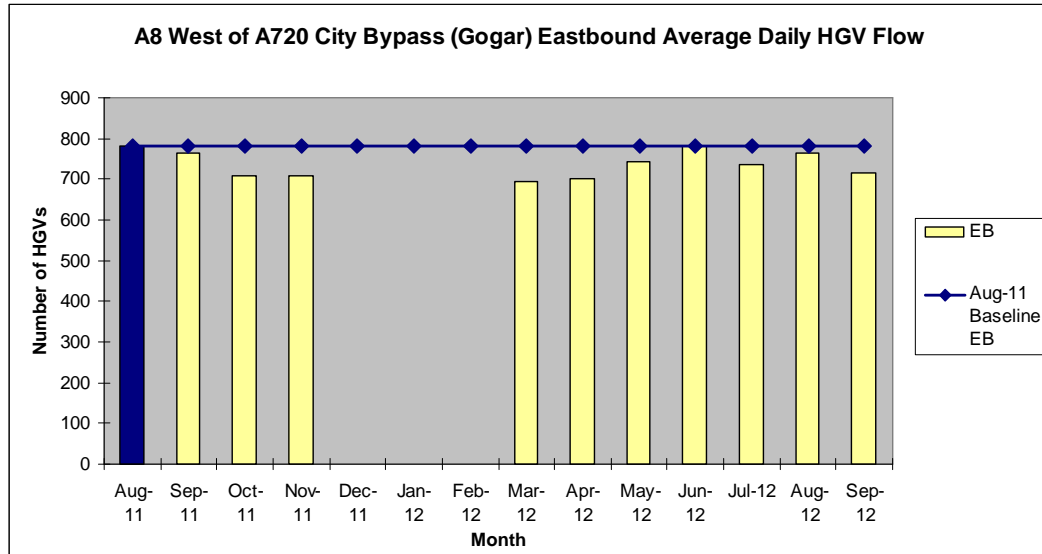


Figure 4-318 Monthly Eastbound HGV Flows on the A8 West of A720 City Bypass (Gogar)

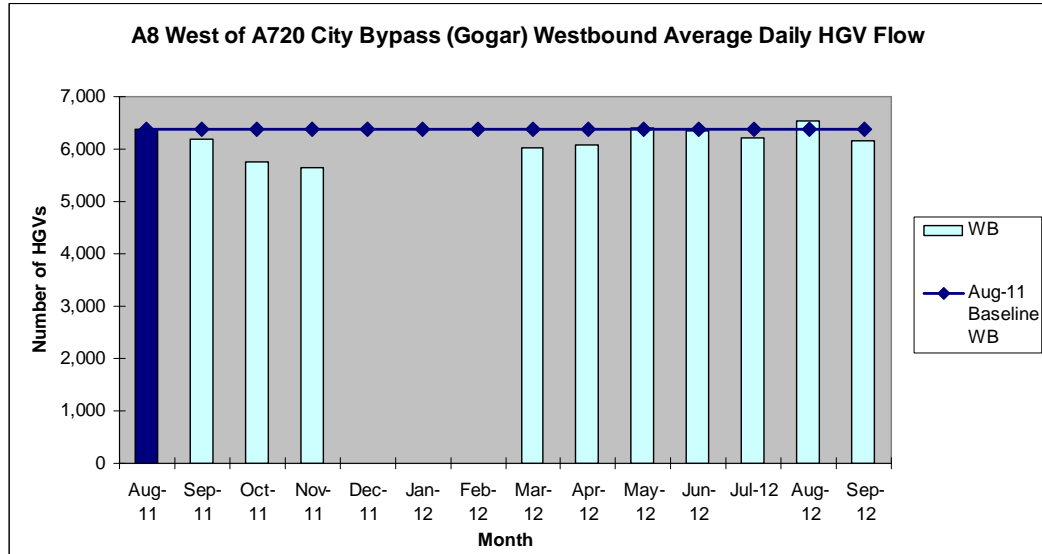


Figure 4-319 Monthly Westbound HGVS Flows on the A8 West of A720 City Bypass (Gogar)

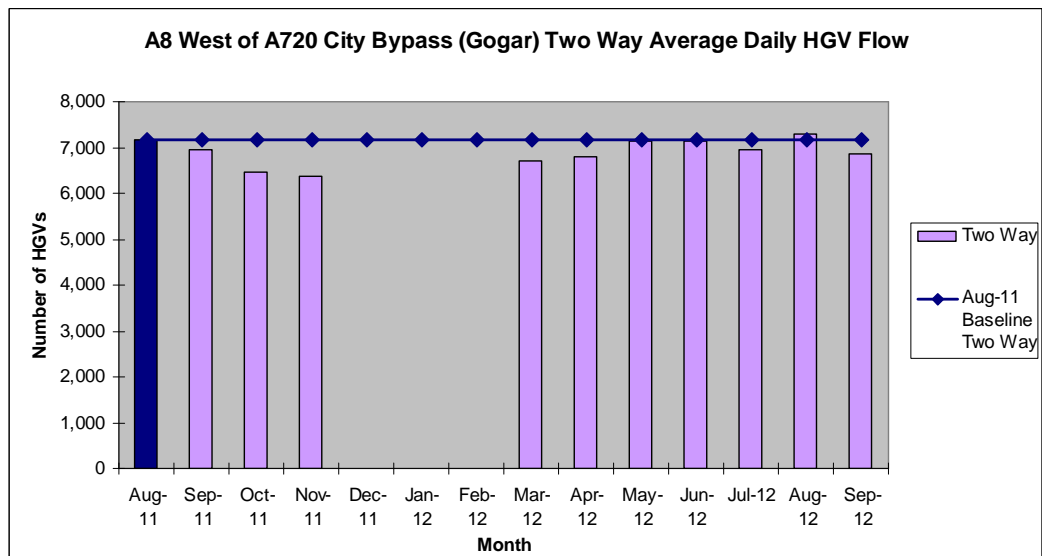


Figure 4-320 Monthly Two Way HGVS Flows on the A8 West of A720 City Bypass (Gogar)

4.21.5 Monthly Average AM Peak HGV Flows

Table 4-145 Site: NTCNT010 AM Peak HGV Traffic Flows – August 2011 to September 2012

Counter	Location	Date	EB	WB	Two Way
NTCNT010	A8 West of A720 City Bypass (Gogar)	Aug-11	52	350	402
		Sep-11	51	359	410
		Oct-11	49	329	377
		Nov-11	48	334	382
		Dec-11	No Data	No Data	No Data
		Jan-12	No Data	No Data	No Data
		Feb-12	No Data	No Data	No Data
		Mar-12	45	347	392
		Apr-12	45	326	371
		May-12	52	367	419
		Jun-12	53	351	403
		Jul-12	50	329	379
		Aug-12	51	353	405
		Sep-12	46	350	397
		Annual Average	49	344	393

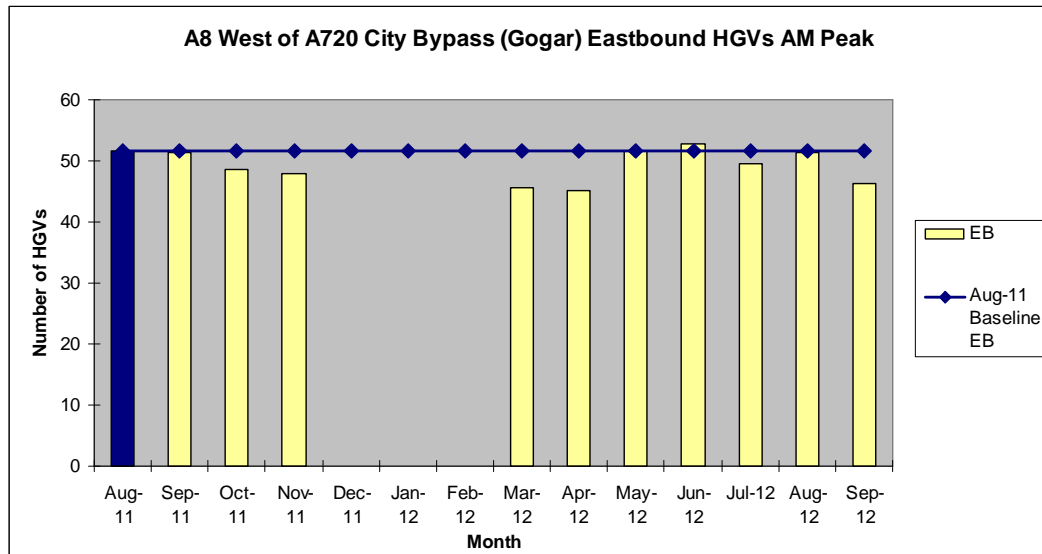


Figure 4-321 Monthly Eastbound AM Peak HGV Flows on the A8 West of A720 City Bypass (Gogar)

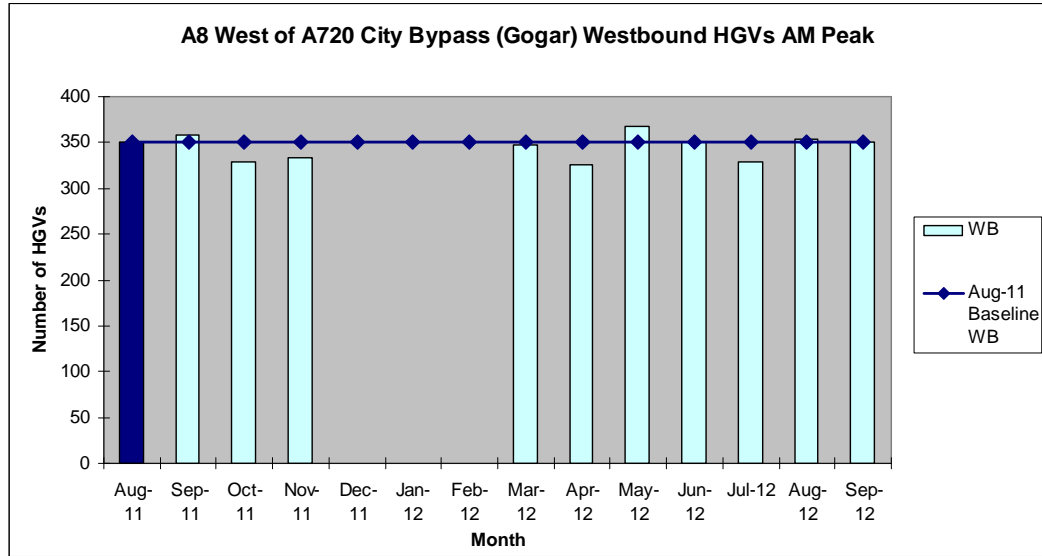


Figure 4-322 Monthly Westbound AM Peak HGV Flows on the A8 West of A720 City Bypass (Gogar)

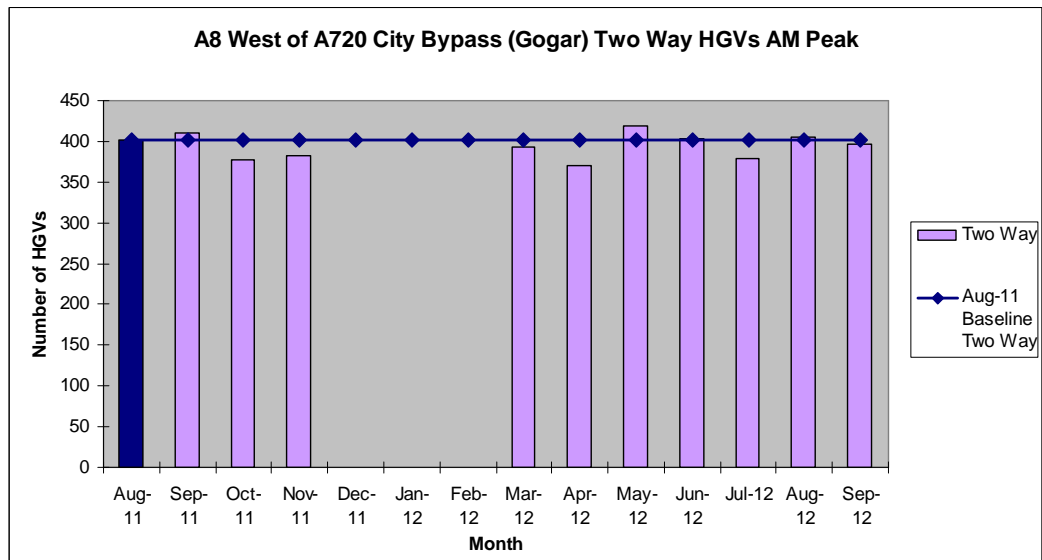


Figure 4-323 Monthly Two Way AM Peak HGV Flows on the A8 West of A720 City Bypass (Gogar)

4.21.6 Monthly Average PM Peak HGV Flows

Table 4-146 Site: NTCNT010 PM Peak HGV Traffic Flows – August 2011 to September 2012

Counter	Location	Date	EB	WB	Two Way
NTCNT010	A8 West of A720 City Bypass (Gogar)	Aug-11	42	382	424
		Sep-11	41	363	404
		Oct-11	38	335	373
		Nov-11	41	332	372
		Dec-11	No Data	No Data	No Data
		Jan-12	No Data	No Data	No Data
		Feb-12	No Data	No Data	No Data
		Mar-12	36	342	379
		Apr-12	38	370	409
		May-12	42	386	428
		Jun-12	43	374	417
		Jul-12	37	383	420
		Aug-12	39	404	444
		Sep-12	37	360	397
		Annual Average			40

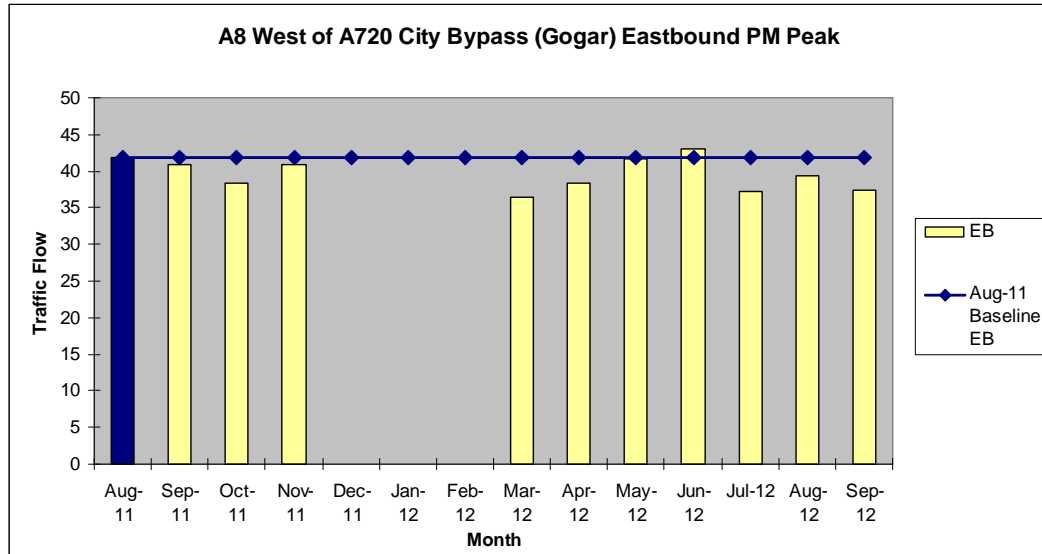


Figure 4-324 Monthly Eastbound PM HGV Peak Flows on the A8 West of A720 City Bypass (Gogar)

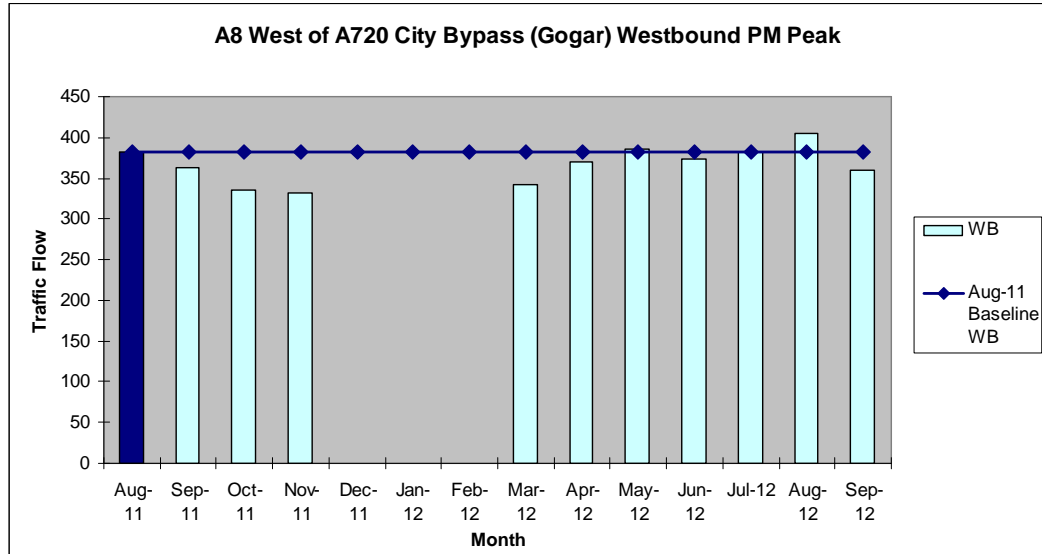


Figure 4-325 Monthly Westbound PM Peak HG V Flows on the A8 West of A720 City Bypass (Gogar)

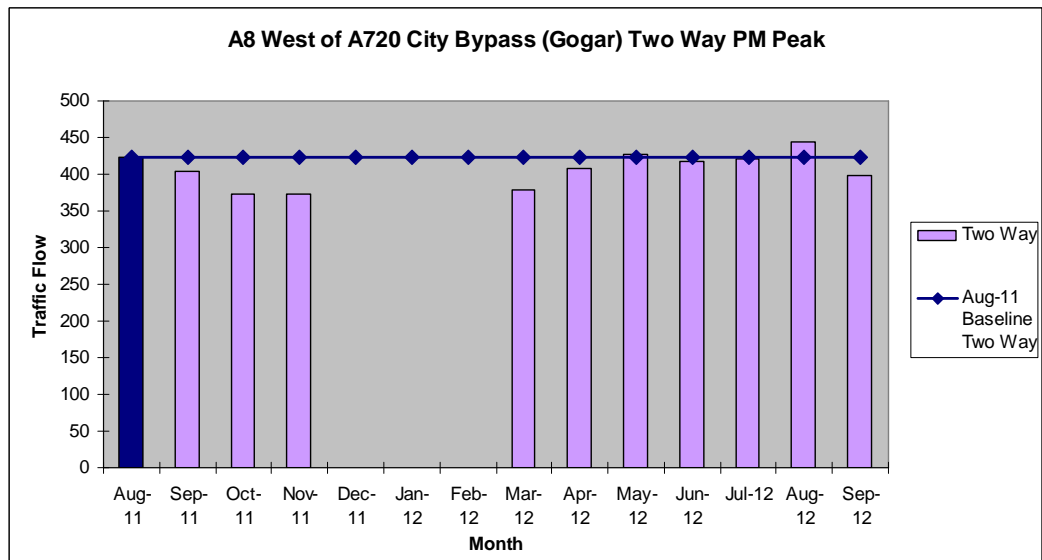


Figure 4-326 Monthly Two Way PM Peak HG V Flows on the A8 West of A720 City Bypass (Gogar)

4.21.7 Monthly Average All Vehicles Traffic Speeds

Table 4-147 Site: NTCNT010 Average Monthly Traffic Speeds (KPH) (All Vehicles) – August 2011 to September 2012

Counter	Location	Date	EB	WB
NTCNT010	A8 West of A720 City Bypass (Gogar)	Aug-11	69	95
		Sep-11	69	95
		Oct-11	69	95
		Nov-11	67	95
		Dec-11	No Data	No Data
		Jan-12	No Data	No Data
		Feb-12	No Data	No Data
		Mar-12	68	97
		Apr-12	68	99
		May-12	69	99
		Jun-12	68	96
		Jul-12	70	98
		Aug-12	69	98
Sep-12	69	97		

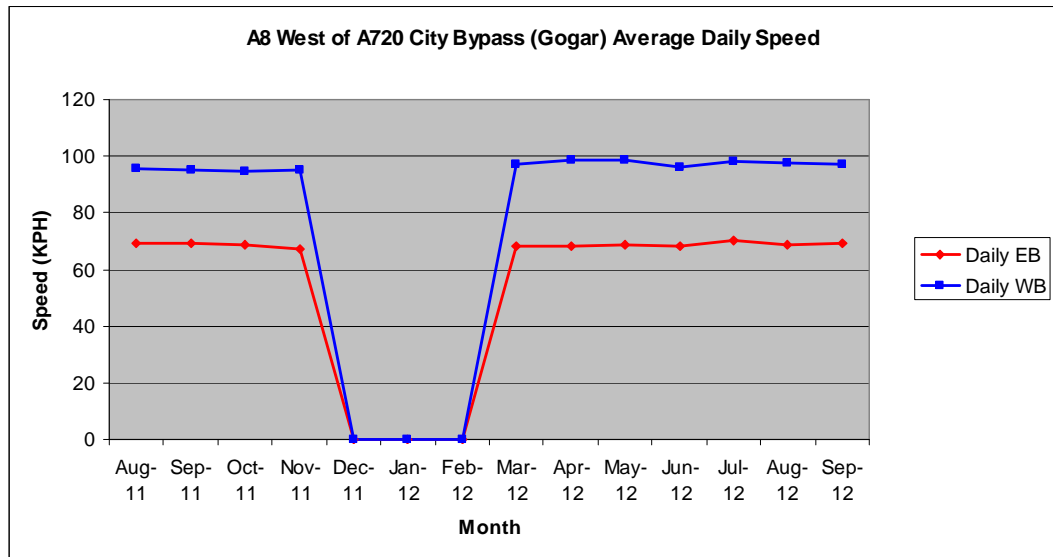


Figure 4-327 Average Monthly Traffic Speeds (KPH) on the A8 West of A720 City Bypass (Gogar)

5 B-Road Automatic Traffic Counter Data

5.1 Traffic Counter JTC00396 – B9080 (East of Winchburgh)

5.1.1 Monthly Average Traffic Flows

Table 3-1 Site: JTC00396 Annual Traffic Flows – August 2011 to September 2012

Counter	Location	Date	EB	WB	Two Way
JTC00396	B9080 (East of Winchburgh)	Aug-11	1,712	1,729	3,441
		Sep-11	1,667	1,660	3,327
		Oct-11	1,610	1,592	3,202
		Nov-11	1,729	1,703	3,432
		Dec-11	1,510	1,519	3,028
		Jan-12	1,584	1,559	3,143
		Feb-12	1,649	1,602	3,251
		Mar-12	1,749	1,718	3,467
		Apr-12	1,635	1,607	3,242
		May-12	1,803	1,745	3,548
		Jun-12	1,853	1,778	3,631
		Jul-12	1,677	1,646	3,323
		Aug-12	1,795	1,750	3,545
		Sep-12	1,714	1,649	3,363
		Annual Average	1,681	1,655	3,336

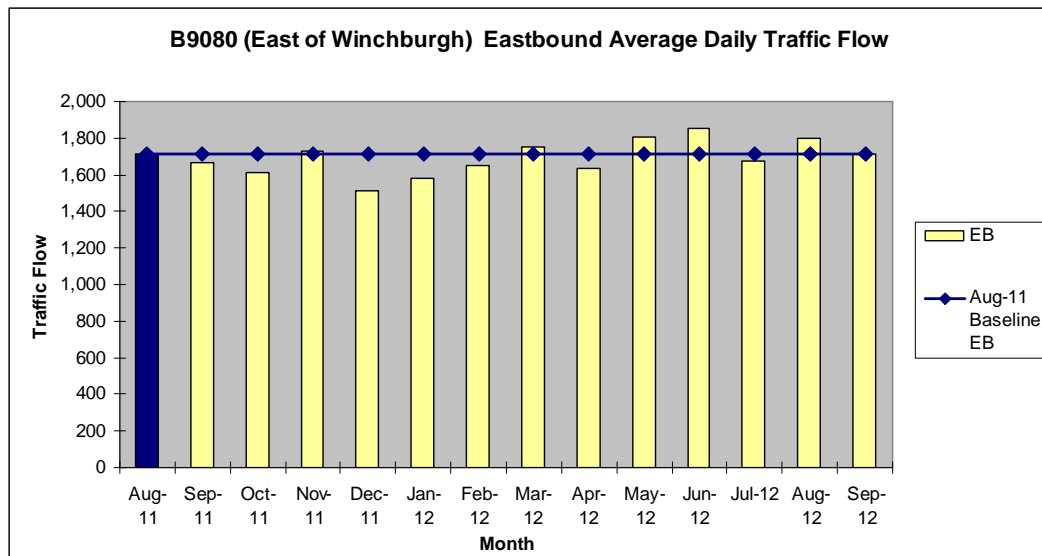


Figure 5-1 Monthly Eastbound AADTs on the B9080 (East of Winchburgh)

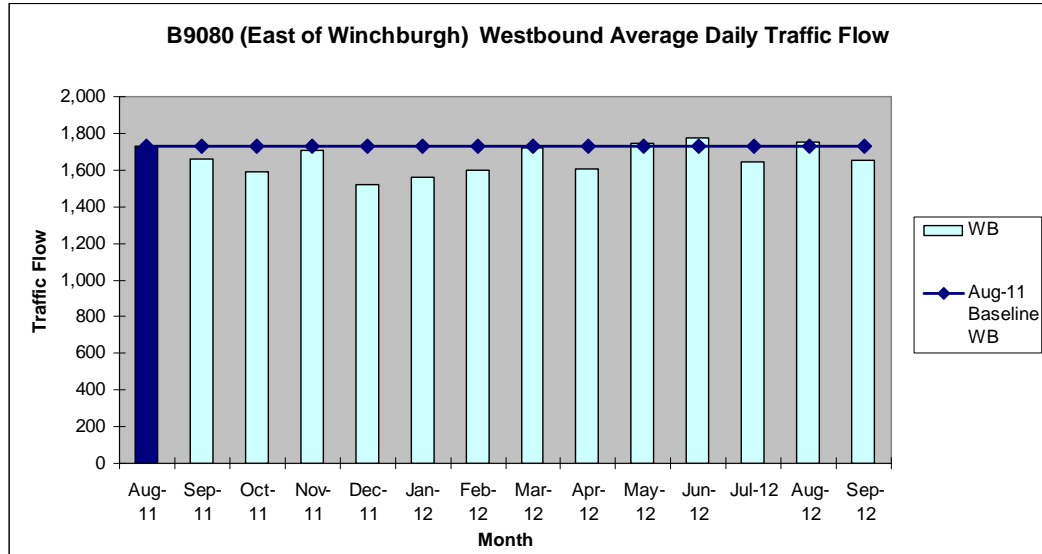


Figure 5-2 Monthly Westbound AADTs on the B9080 (East of Winchburgh)

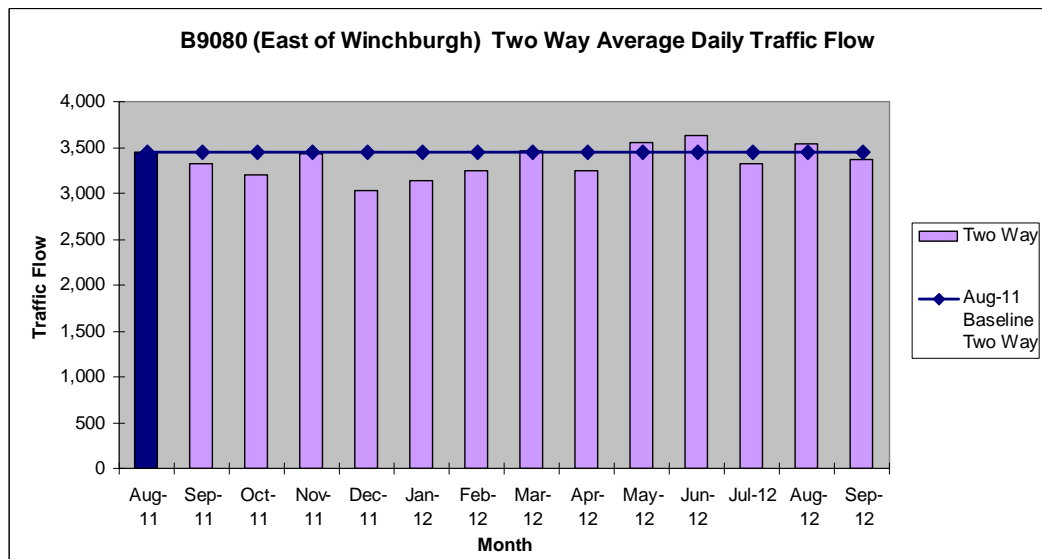


Figure 5-3 Monthly Two Way Daily Traffic Flows on the B9080 (East of Winchburgh)

5.1.2 Monthly Average AM Peak Traffic Flows

Table 5-2 Site: JTC00396 AM Peak Traffic Flows – August 2011 to September 2012

Counter	Location	Date	AM	PM	Two Way
JTC00396	B9080 (East of Winchburgh)	Aug-11	450	208	658
		Sep-11	438	211	649
		Oct-11	433	193	626
		Nov-11	518	227	745
		Dec-11	398	178	575
		Jan-12	440	196	636
		Feb-12	468	208	677
		Mar-12	493	237	730
		Apr-12	440	198	638
		May-12	502	231	733
		Jun-12	489	238	727
		Jul-12	415	202	617
		Aug-12	479	218	697
		Sep-12	459	214	674
		Annual Average			457

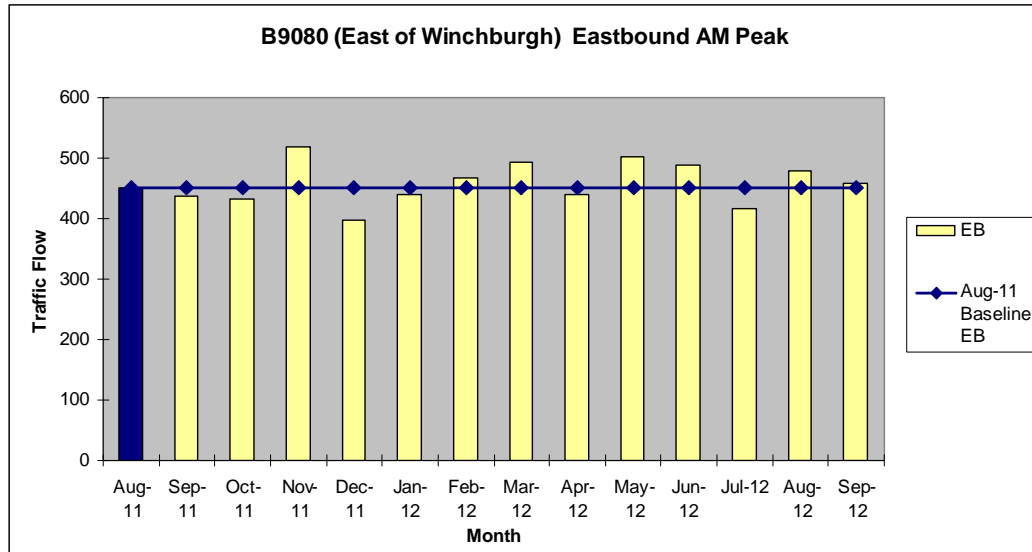


Figure 5-4 Monthly Eastbound AM Peak Flows on the B9080 (East of Winchburgh)

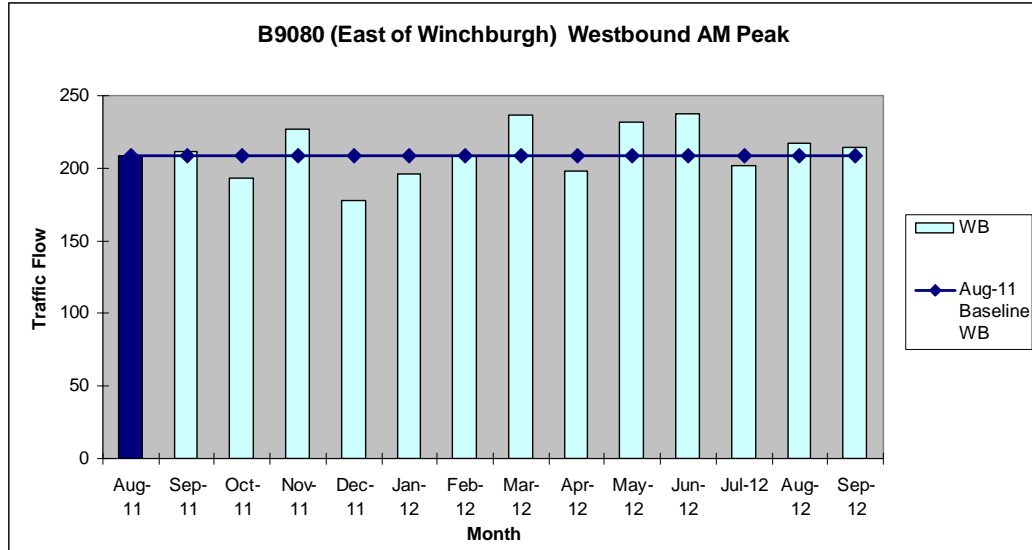


Figure 5-5 Monthly Westbound AM Peak Flows on the B9080 (East of Winchburgh)

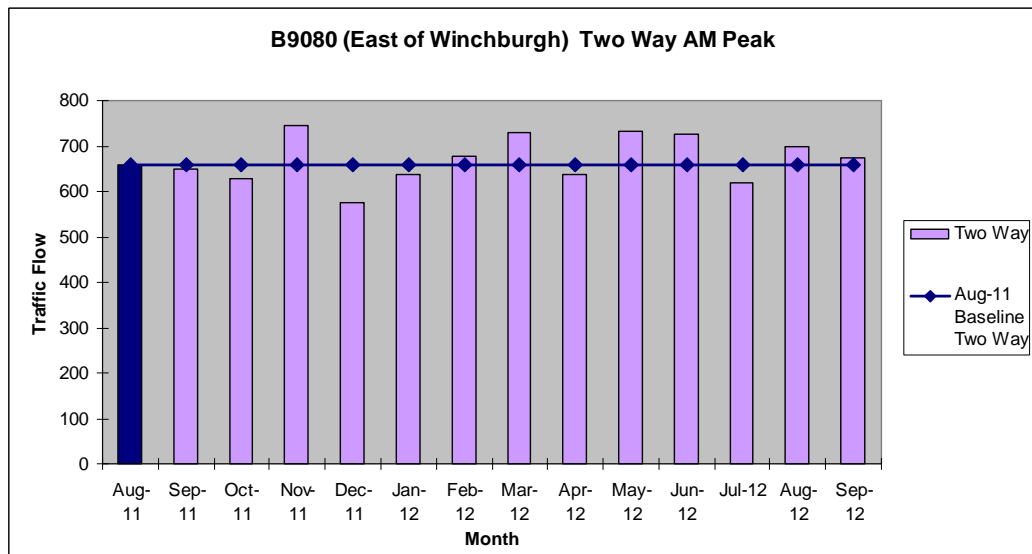


Figure 5-6 Monthly Two Way AM Peak Flows on the B9080 (East of Winchburgh)

5.1.3 Monthly Average PM Peak Traffic Flows

Table 5-3 Site: JTC00396 PM Peak Traffic Flows – August 2011 to September 2012

Counter	Location	Date	EB	WB	Two Way
JTC00396	B9080 (East of Winchburgh)	Aug-11	346	522	868
		Sep-11	346	493	839
		Oct-11	327	472	799
		Nov-11	338	513	851
		Dec-11	274	395	669
		Jan-12	300	449	749
		Feb-12	323	473	796
		Mar-12	354	489	843
		Apr-12	328	453	781
		May-12	379	508	887
		Jun-12	397	500	897
		Jul-12	341	449	790
		Aug-12	361	490	851
		Sep-12	348	452	800
		Annual Average			338

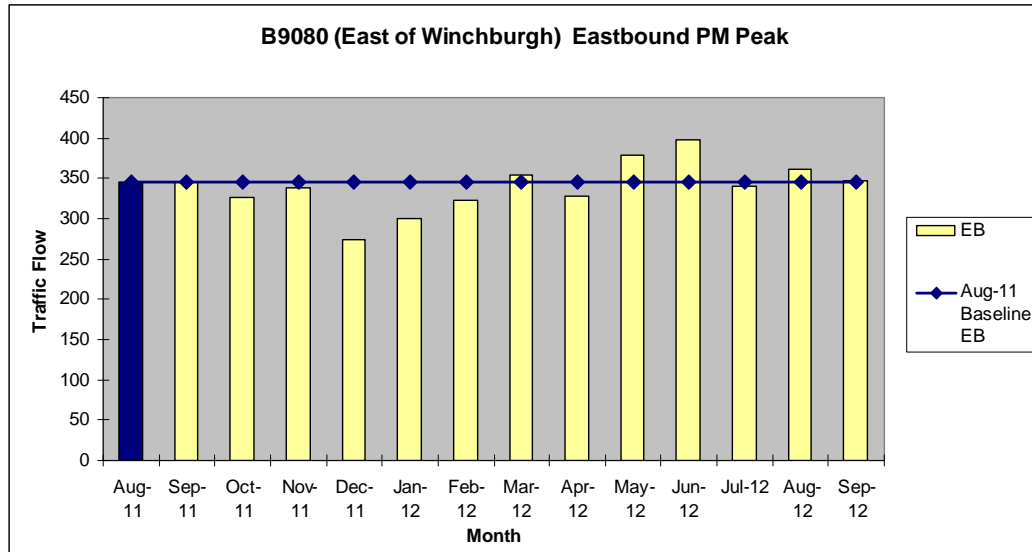


Figure 5-7 Monthly Eastbound PM Peak Flows on the B9080 (East of Winchburgh)

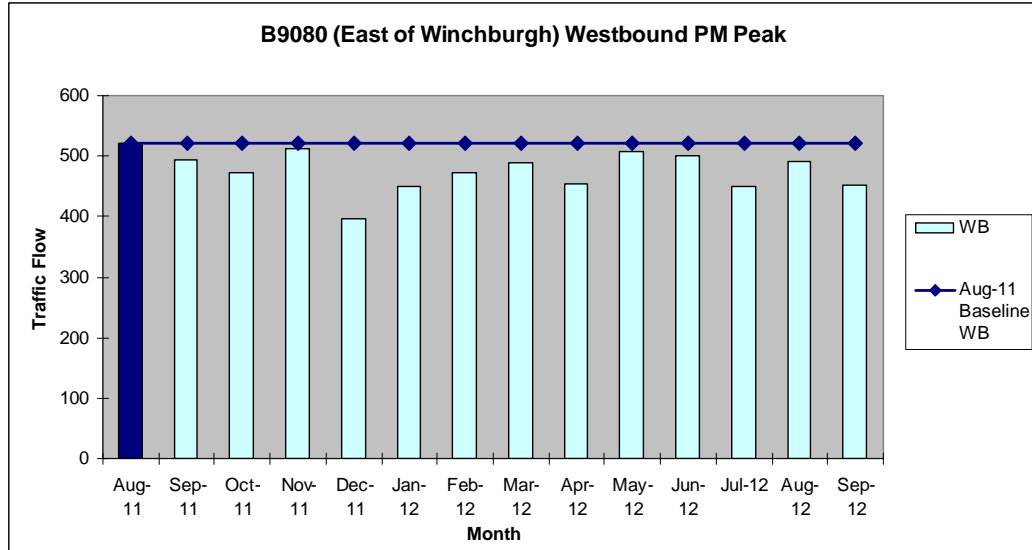


Figure 5-8 Monthly Westbound PM Peak Flows on the B9080 (East of Winchburgh)

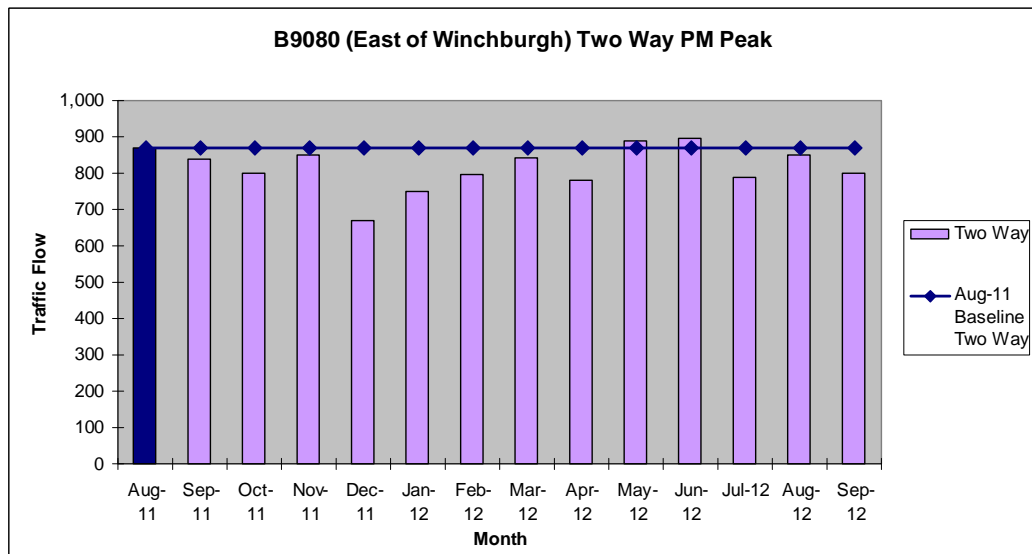


Figure 5-9 Monthly Two Way PM Peak Flows on the B9080 (East of Winchburgh)

5.1.4 Monthly Average HGV Flows

Table 5-4 Site: JTC00396 Annual HGV Traffic Flows – August 2011 to September 2012

Counter	Location	Date	EB	WB	Two Way
JTC00396	B9080 (East of Winchburgh)	Aug-11	63	64	127
		Sep-11	68	64	132
		Oct-11	64	57	122
		Nov-11	69	62	131
		Dec-11	62	59	122
		Jan-12	63	59	122
		Feb-12	69	65	134
		Mar-12	71	69	140
		Apr-12	68	70	138
		May-12	75	73	148
		Jun-12	76	72	149
		Jul-12	65	62	127
		Aug-12	64	64	129
		Sep-12	73	72	145
		Annual Average			68

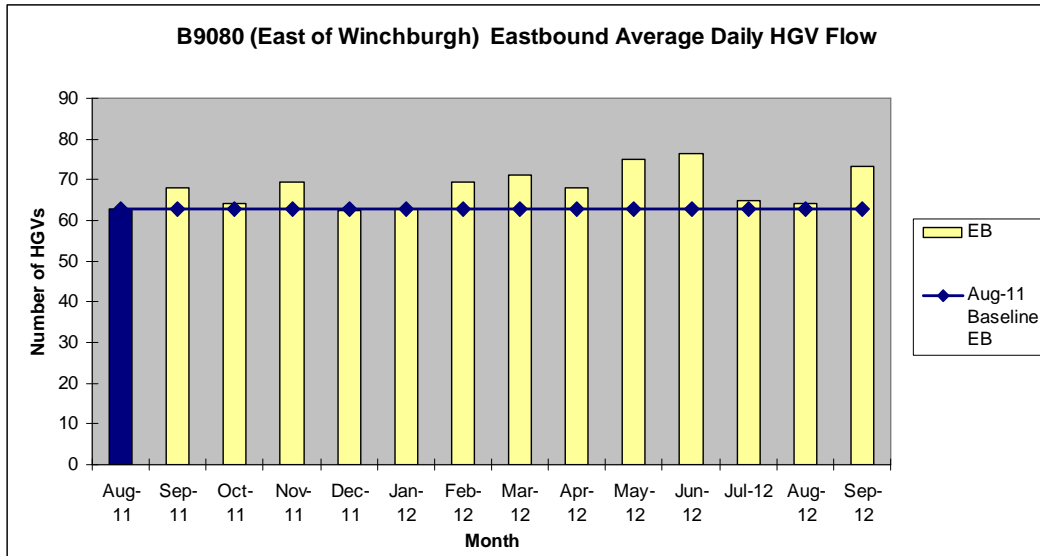


Figure 5-10 Monthly Eastbound HGV Flows on the B9080 (East of Winchburgh)

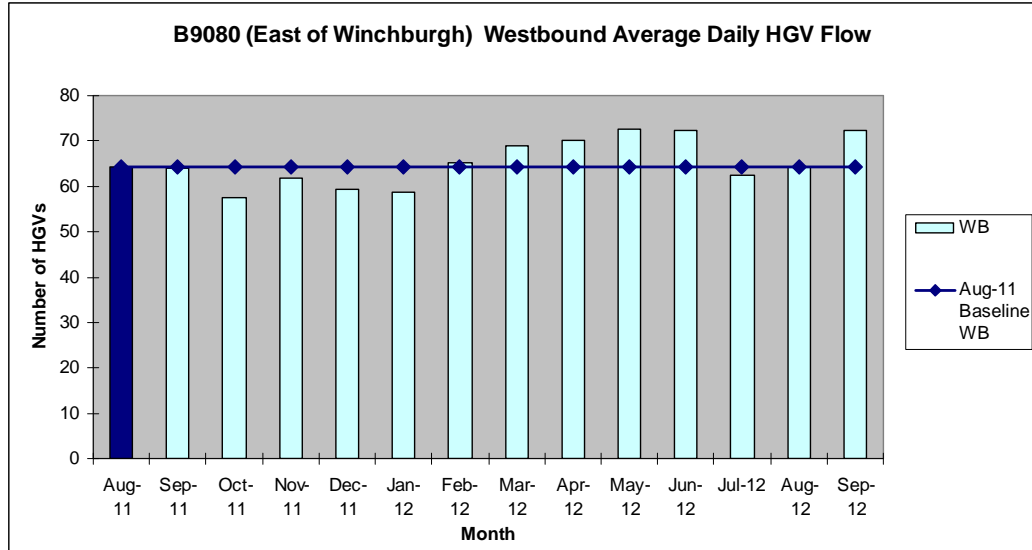


Figure 5-11 Monthly Westbound HGVS Flows on the B9080 (East of Winchburgh)

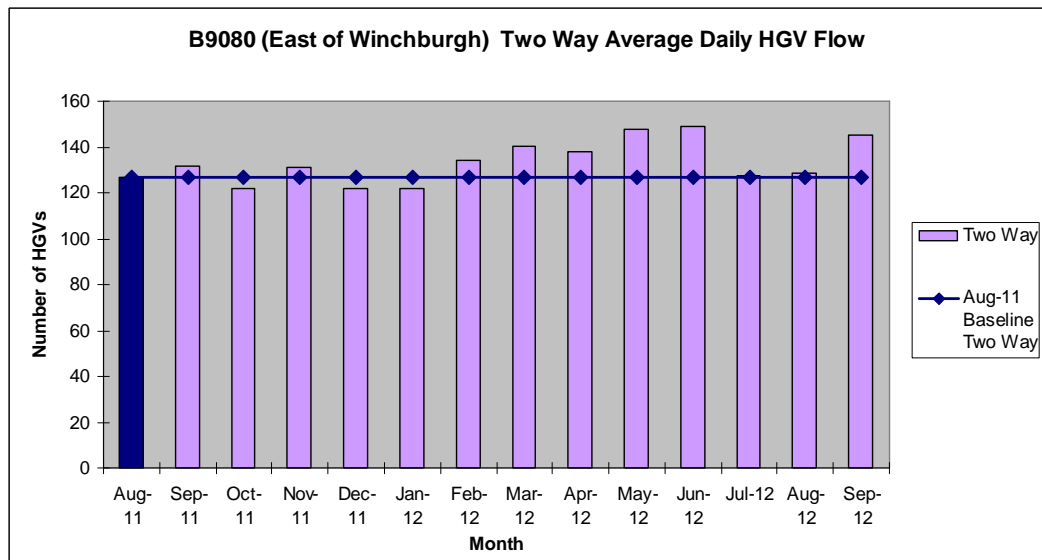


Figure 5-12 Monthly Two Way HGVS Flows on the B9080 (East of Winchburgh)

5.1.5 Monthly Average AM Peak HGV Flows

Table 5-5 Site: JTC00396 AM Peak HGV Traffic Flows – August 2011 to September 2012

Counter	Location	Date	EB	WB	Two Way
JTC00396	B9080 (East of Winchburgh)	Aug-11	15	12	27
		Sep-11	16	12	29
		Oct-11	16	10	26
		Nov-11	17	12	30
		Dec-11	15	11	26
		Jan-12	15	11	26
		Feb-12	16	12	28
		Mar-12	17	13	30
		Apr-12	17	13	29
		May-12	18	14	32
		Jun-12	17	14	30
		Jul-12	14	10	24
		Aug-12	15	11	26
		Sep-12	17	12	29
		Annual Average			16

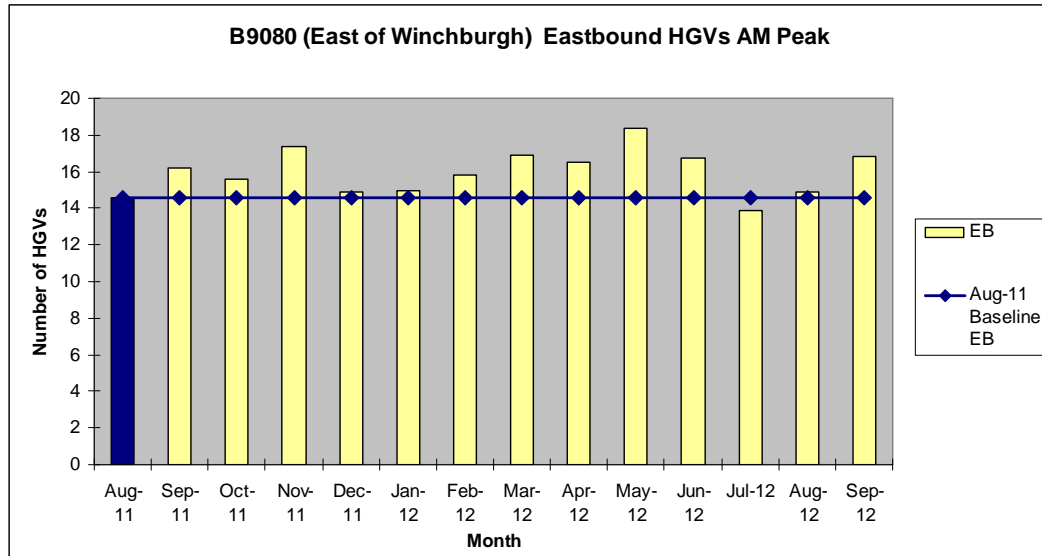


Figure 5-13 Monthly Eastbound AM Peak HGV Flows on the B9080 (East of Winchburgh)

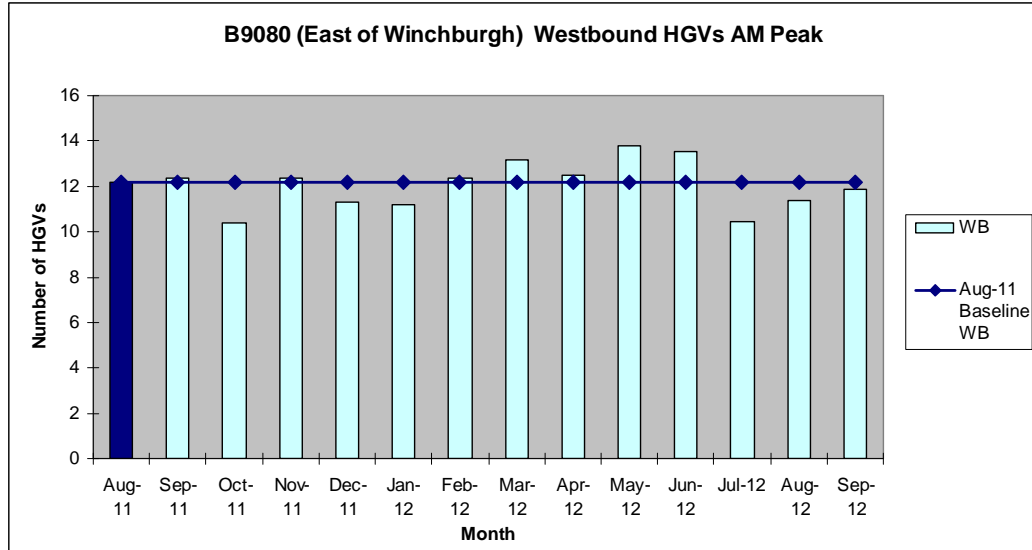


Figure 5-14 Monthly Westbound AM Peak HGV Flows on the B9080 (East of Winchburgh)

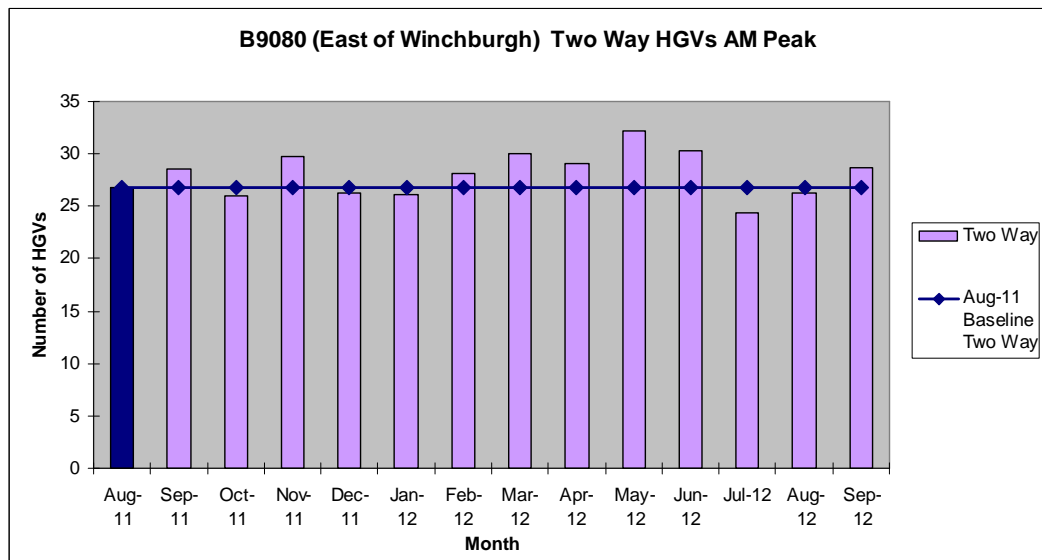


Figure 5-15 Monthly Two Way AM Peak HGV Flows on the B9080 (East of Winchburgh)

5.1.6 Monthly Average PM Peak HGV Flows

Table 5-6 Site: JTC00396 PM Peak HGV Traffic Flows – August 2011 to September 2012

Counter	Location	Date	EB	WB	Two Way
JTC00396	B9080 (East of Winchburgh)	Aug-11	14	14	28
		Sep-11	15	14	29
		Oct-11	13	13	27
		Nov-11	14	12	27
		Dec-11	13	12	25
		Jan-12	13	12	25
		Feb-12	14	14	28
		Mar-12	15	15	30
		Apr-12	14	15	29
		May-12	15	17	32
		Jun-12	16	16	32
		Jul-12	13	15	28
		Aug-12	13	14	27
		Sep-12	16	16	32
		Annual Average			14

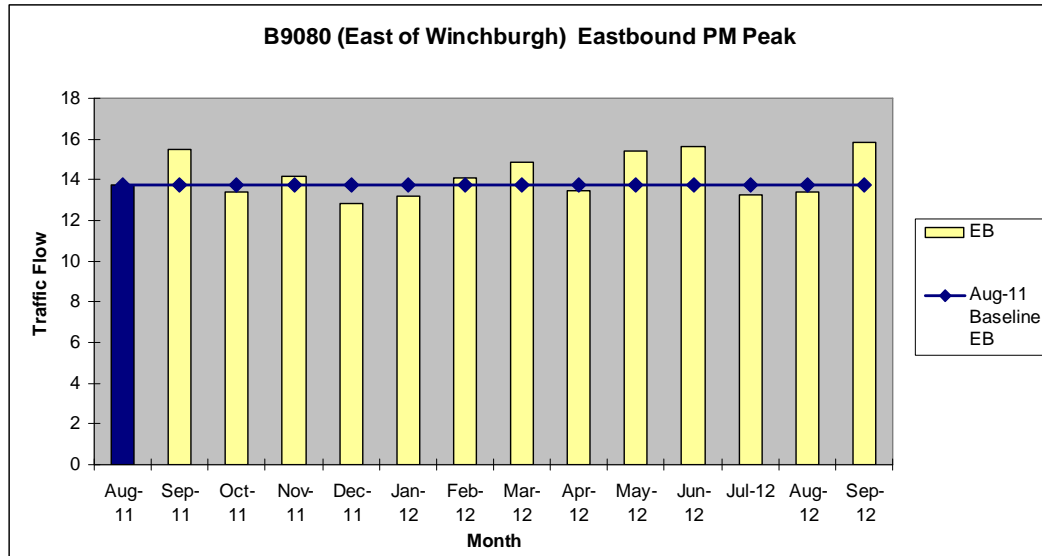


Figure 5-16 Monthly Eastbound PM HGV Peak Flows on the B9080 (East of Winchburgh)

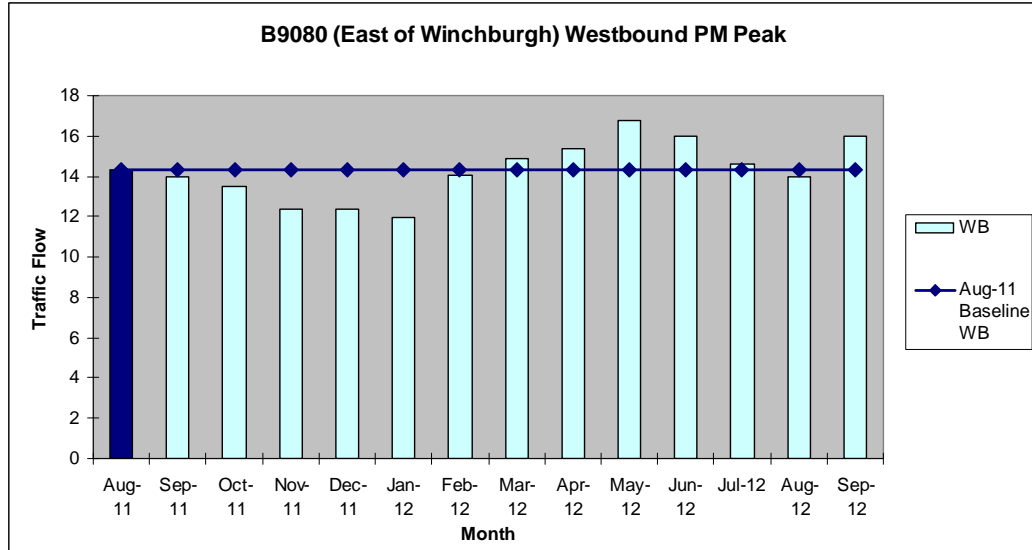


Figure 5-17 Monthly Westbound PM Peak HGV Flows on the B9080 (East of Winchburgh)

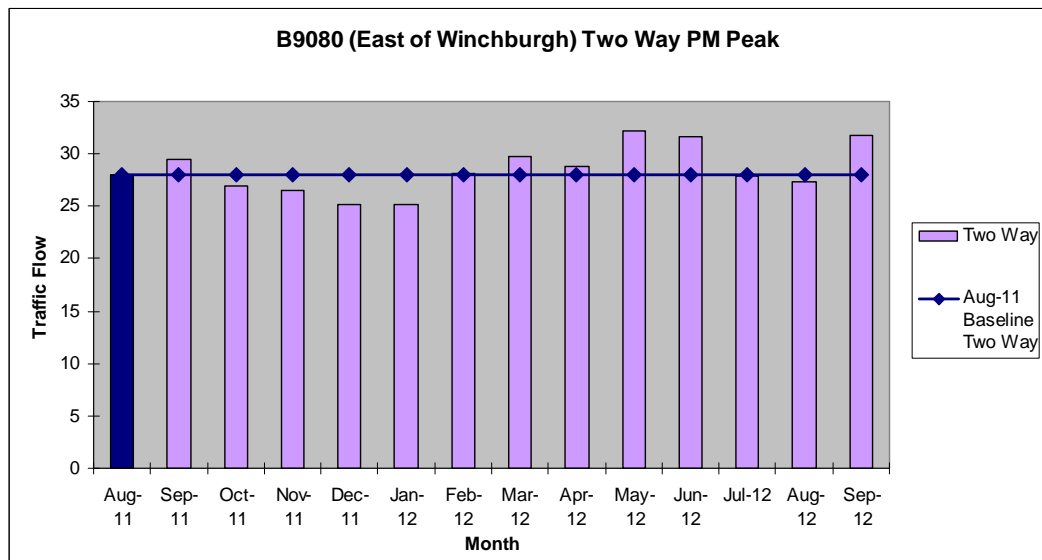


Figure 5-18 Monthly Two Way PM Peak HGV Flows on the B9080 (East of Winchburgh)

5.1.7 Monthly Average All Vehicles Traffic Speeds

Table 5-7 Site: JTC00396 Average Monthly Traffic Speeds (KPH) (All Vehicles) – August 2011 to September 2012

Counter	Location	Date	EB	WB
JTC00396	B9080 (East of Winchburgh)	Aug-11	66	69
		Sep-11	61	61
		Oct-11	62	62
		Nov-11	64	67
		Dec-11	64	65
		Jan-12	64	66
		Feb-12	64	66
		Mar-12	64	66
		Apr-12	65	67
		May-12	65	67
		Jun-12	65	67
		Jul-12	64	66
		Aug-12	65	67
Sep-12	64	66		

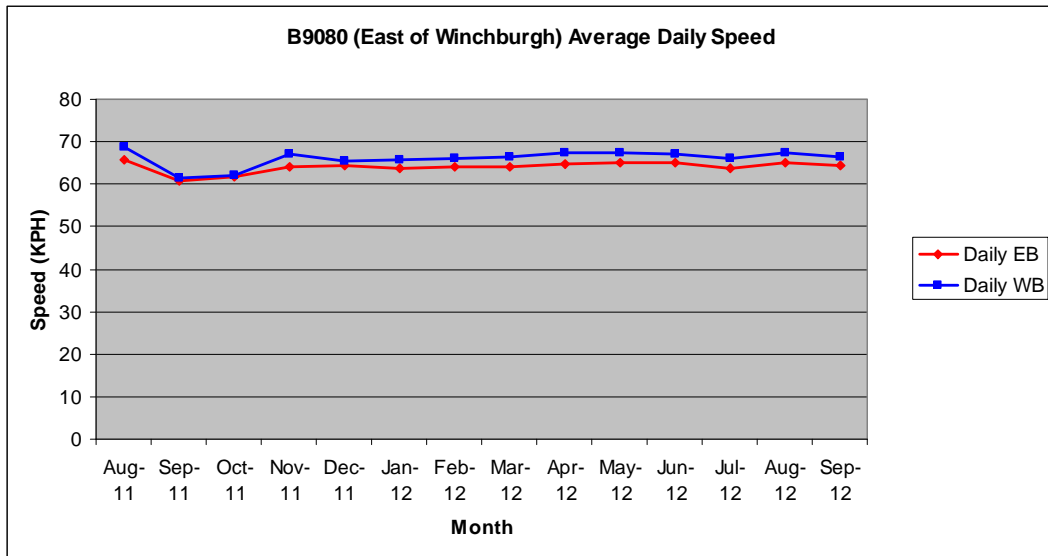


Figure 5-19 Average Monthly Traffic Speeds (KPH) on the B9080 (East of Winchburgh)

5.2 Traffic Counter JTC00575 – B924 Bo’ness Road (South Queensferry)

5.2.1 Monthly Average Traffic Flows

Table 3-8 Site: JTC00575 Annual Traffic Flows – August 2011 to September 2012

Counter	Location	Date	NB	SB	Two Way
JTC00575	B924 Bo’ness Road (South Queensferry)	Aug-11	2,614	2,784	5,399
		Sep-11	2,477	2,619	5,095
		Oct-11	2,473	2,448	4,921
		Nov-11	2,378	2,466	4,845
		Dec-11	2,097	2,231	4,328
		Jan-12	No Data	No Data	No Data
		Feb-12	1,979	2,037	4,016
		Mar-12	2,483	2,562	5,045
		Apr-12	2,404	2,492	4,896
		May-12	2,583	2,654	5,237
		Jun-12	2,531	2,561	5,092
		Jul-12	2,364	2,426	4,790
		Aug-12	2,557	2,659	5,216
		Sep-12	2,376	2,455	4,830
			Annual Average	2,399	2,480

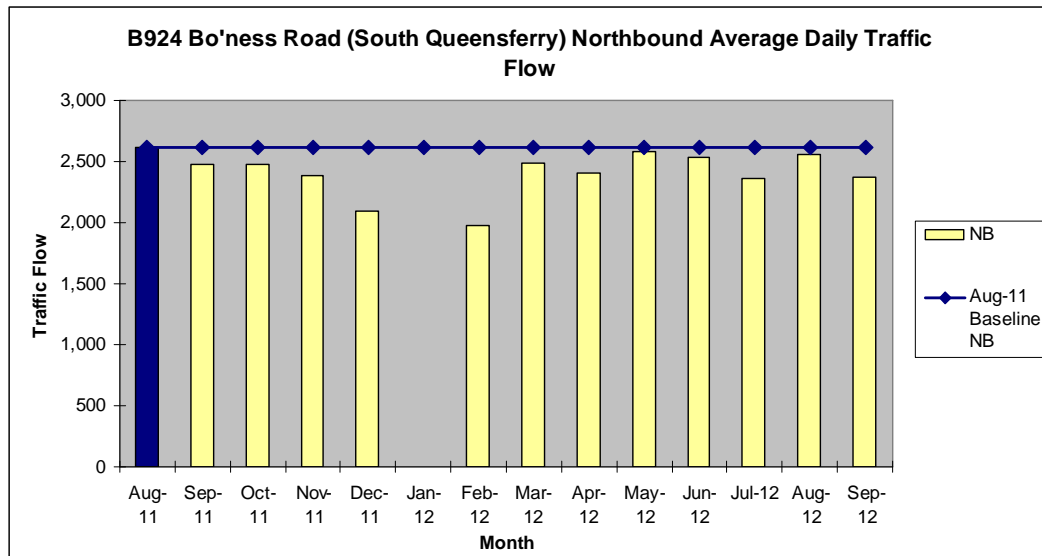


Figure 5-20 Monthly Eastbound AADTs on the B924 Bo’ness Road (South Queensferry)

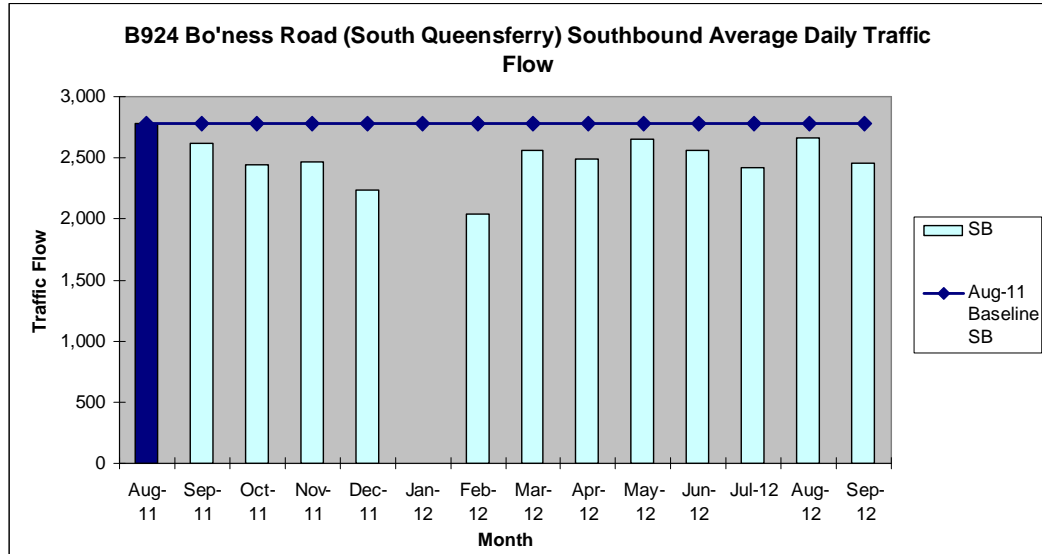


Figure 5-21 Monthly Westbound AADTs on the B924 Bo'ness Road (South Queensferry)

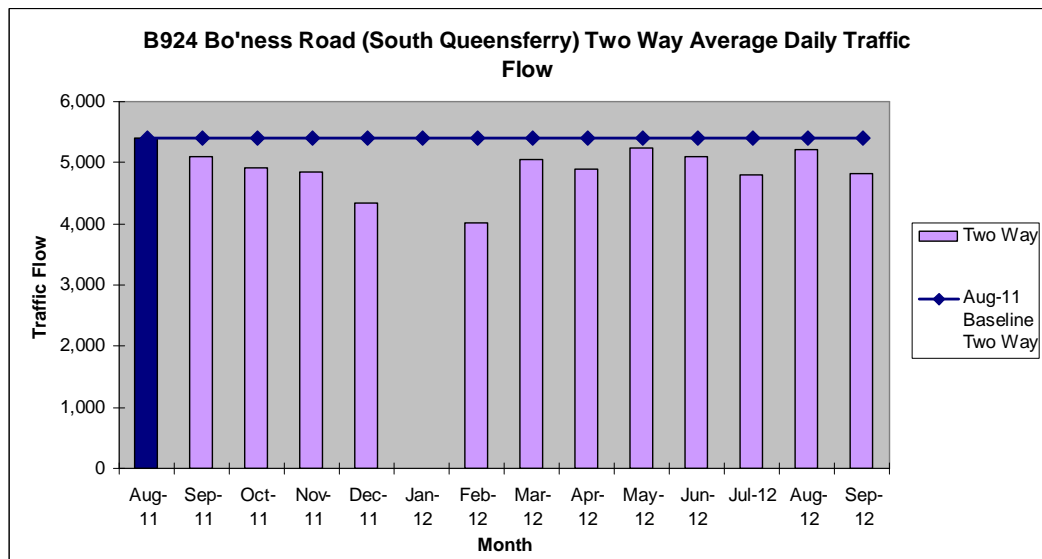


Figure 5-22 Monthly Two Way Daily Traffic Flows on the B924 Bo'ness Road (South Queensferry)

5.2.2 Monthly Average AM Peak Traffic Flows

Table 5-9 Site: JTC00575 AM Peak Traffic Flows – August 2011 to September 2012

Counter	Location	Date	NB	SB	Two Way
JTC00575	B924 Bo'ness Road (South Queensferry)	Aug-11	300	531	831
		Sep-11	296	532	828
		Oct-11	273	483	756
		Nov-11	211	436	647
		Dec-11	166	346	512
		Jan-12	No Data	No Data	No Data
		Feb-12	196	369	566
		Mar-12	289	507	796
		Apr-12	312	480	792
		May-12	352	498	850
		Jun-12	342	475	817
		Jul-12	298	452	750
		Aug-12	352	491	843
		Sep-12	318	466	784
	Annual Average		276	464	740

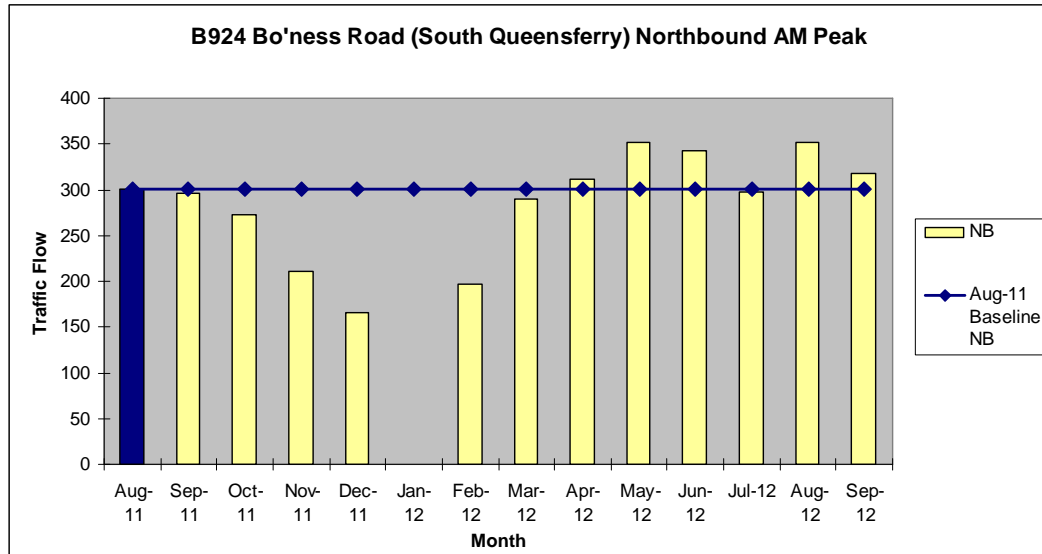


Figure 5-23 Monthly Northbound AM Peak Flows on the B924 Bo'ness Road (South Queensferry)

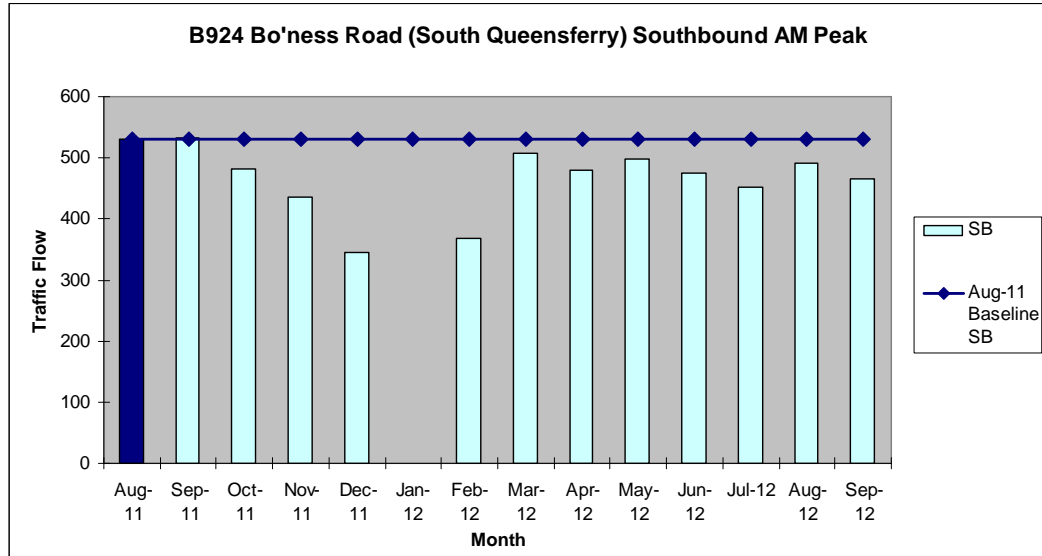


Figure 5-24 Monthly Southbound AM Peak Flows on the B924 Bo'ness Road (South Queensferry)

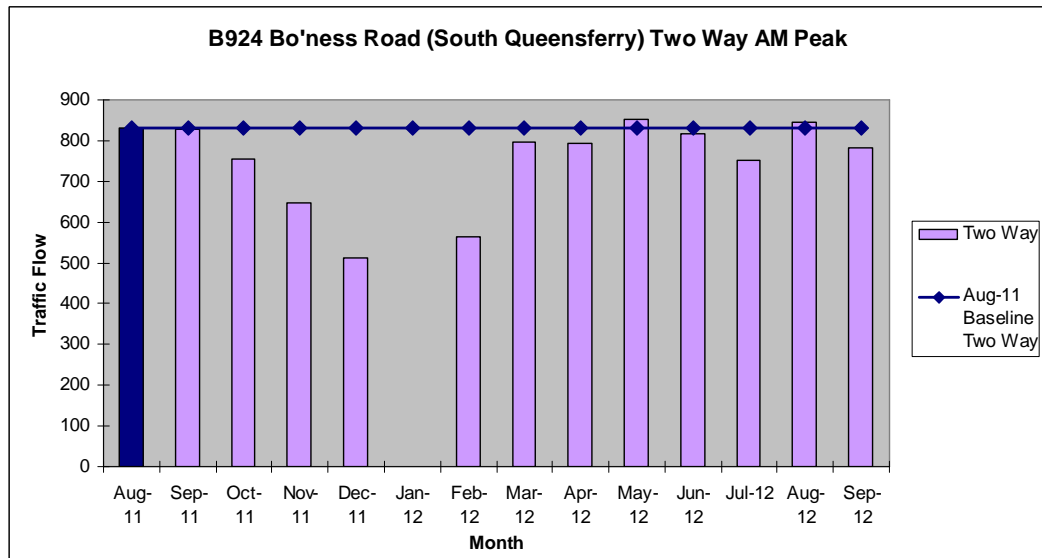


Figure 5-25 Monthly Two Way AM Peak Flows on the B924 Bo'ness Road (South Queensferry)

5.2.3 Monthly Average PM Peak Traffic Flows

Table 5-10 Site: JTC00575 PM Peak Traffic Flows – August 2011 to September 2012

Counter	Location	Date	NB	SB	Two Way
JTC00575	B924 Bo'ness Road (South Queensferry)	Aug-11	635	555	1,190
		Sep-11	627	520	1,147
		Oct-11	641	465	1,106
		Nov-11	593	492	1,085
		Dec-11	507	415	922
		Jan-12	No Data	No Data	No Data
		Feb-12	519	398	917
		Mar-12	631	491	1,122
		Apr-12	571	447	1,017
		May-12	618	494	1,112
		Jun-12	603	464	1,067
		Jul-12	561	435	996
		Aug-12	591	484	1,075
		Sep-12	559	444	1,003
			Annual Average		591

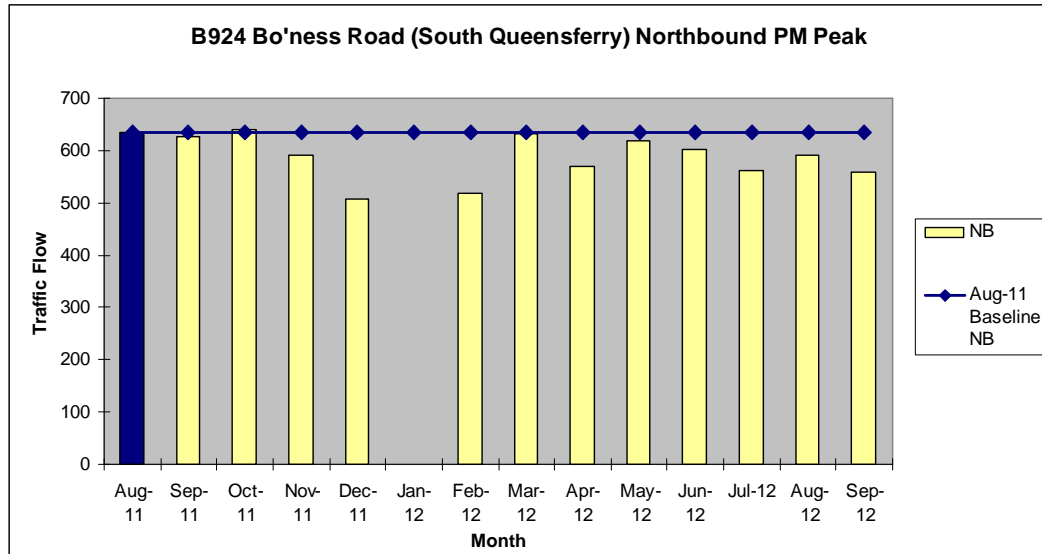


Figure 5-26 Monthly Northbound PM Peak Flows on the B924 Bo'ness Road (South Queensferry)

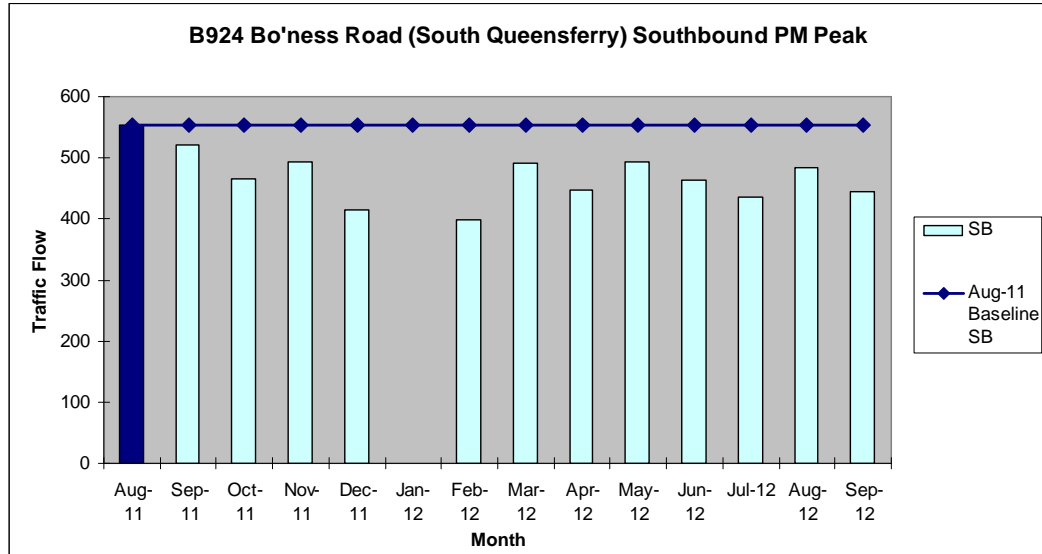


Figure 5-27 Monthly Southbound PM Peak Flows on the B924 Bo'ness Road (South Queensferry)

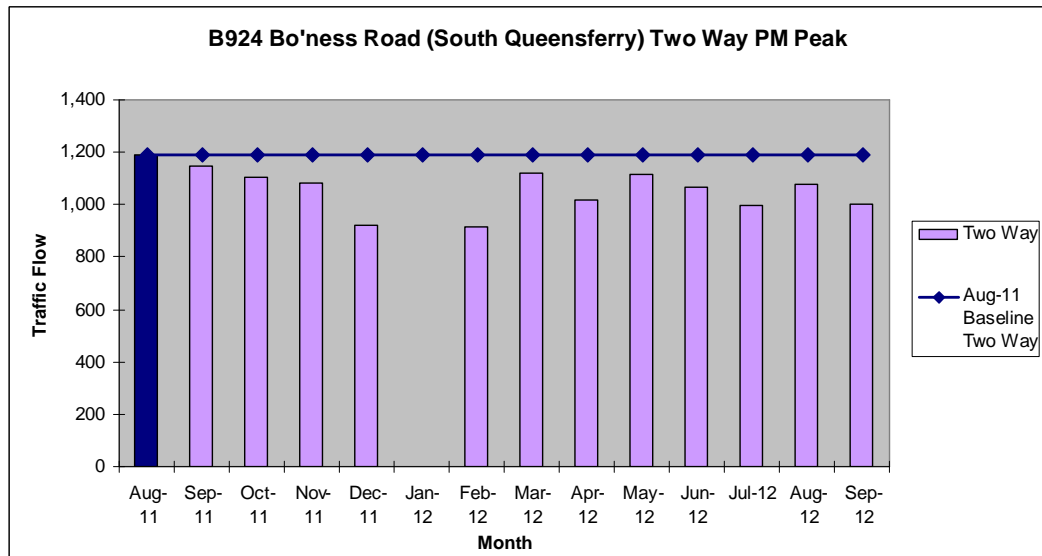


Figure 5-28 Monthly Two Way PM Peak Flows on the B924 Bo'ness Road (South Queensferry)

5.2.4 Monthly Average HGV Flows

Table 5-11 Site: JTC00575 Annual HGV Traffic Flows – August 2011 to September 2012

Counter	Location	Date	NB	SB	Two Way
JTC00575	B924 Bo'ness Road (South Queensferry)	Aug-11	75	60	136
		Sep-11	75	60	135
		Oct-11	72	59	131
		Nov-11	68	60	129
		Dec-11	62	55	117
		Jan-12	No Data	No Data	No Data
		Feb-12	60	59	119
		Mar-12	73	65	138
		Apr-12	74	53	127
		May-12	75	56	130
		Jun-12	77	58	135
		Jul-12	76	46	122
		Aug-12	77	49	126
		Sep-12	72	49	70
		Annual Average	72	57	129

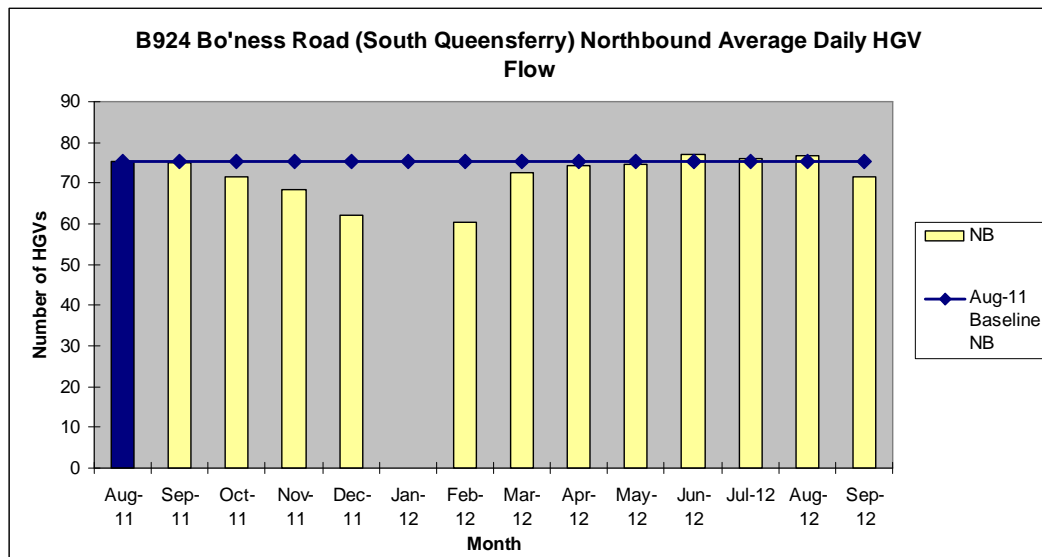


Figure 5-29 Monthly Northbound HGV Flows on the B924 Bo'ness Road (South Queensferry)

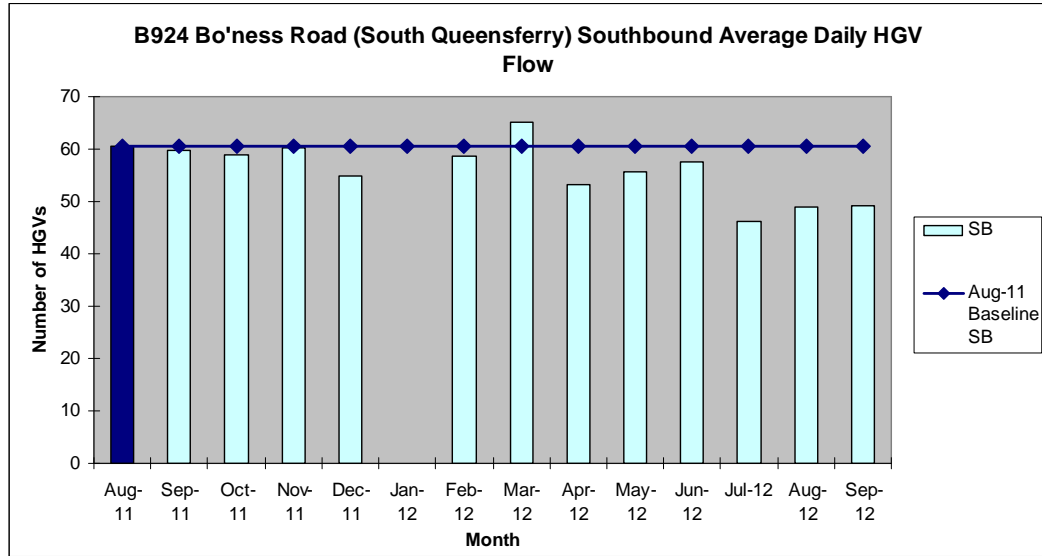


Figure 5-30 Monthly Southbound HGVS Flows on the B924 Bo'ness Road (South Queensferry)

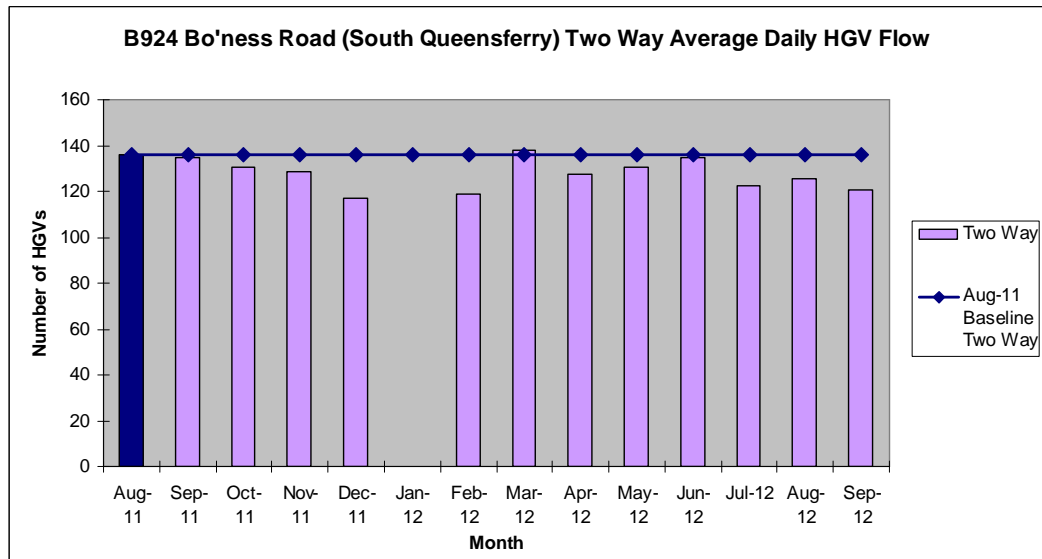


Figure 5-31 Monthly Two Way HGVS Flows on the B924 Bo'ness Road (South Queensferry)

5.2.5 Monthly Average AM Peak HGV Flows

Table 5-12 Site: JTC00575 AM Peak HGV Traffic Flows – August 2011 to September 2012

Counter	Location	Date	NB	SB	Two Way
JTC00575	B924 Bo'ness Road (South Queensferry)	Aug-11	14	10	24
		Sep-11	13	10	23
		Oct-11	13	9	22
		Nov-11	10	6	15
		Dec-11	8	4	12
		Jan-12	No Data	No Data	No Data
		Feb-12	10	8	18
		Mar-12	13	11	25
		Apr-12	15	12	27
		May-12	15	13	28
		Jun-12	16	12	28
		Jul-12	16	10	25
		Aug-12	15	9	24
		Sep-12	15	10	25
		Annual Average	13	9	22

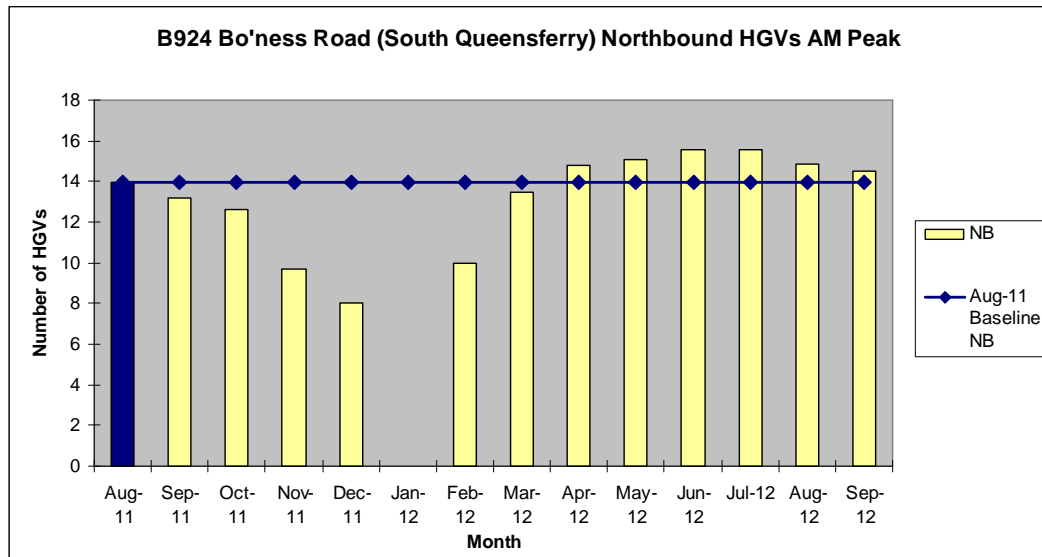


Figure 5-32 Monthly Northbound AM Peak HGV Flows on the B924 Bo'ness Road (South Queensferry)

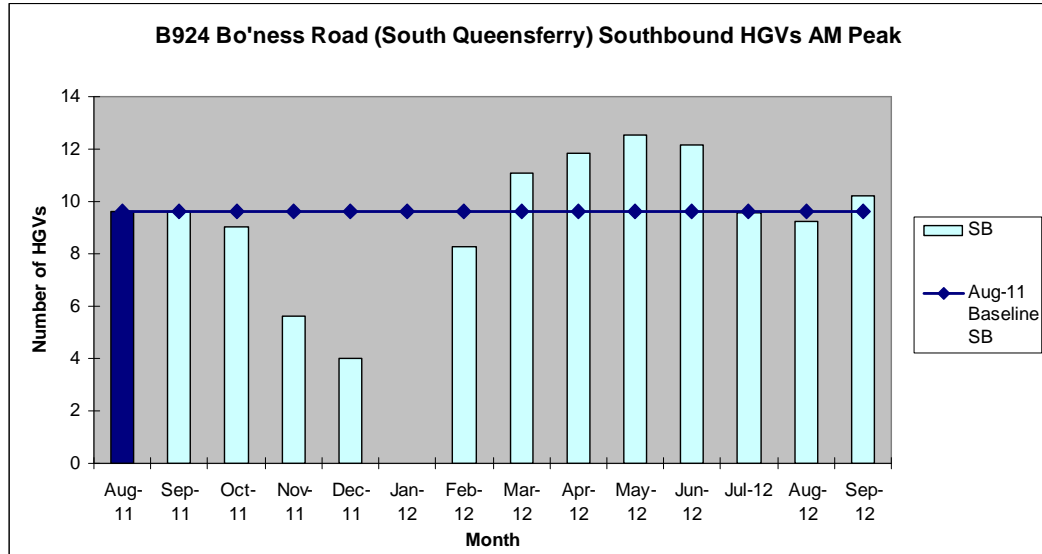


Figure 5-33 Monthly Southbound AM Peak HGV Flows on the B924 Bo'ness Road (South Queensferry)

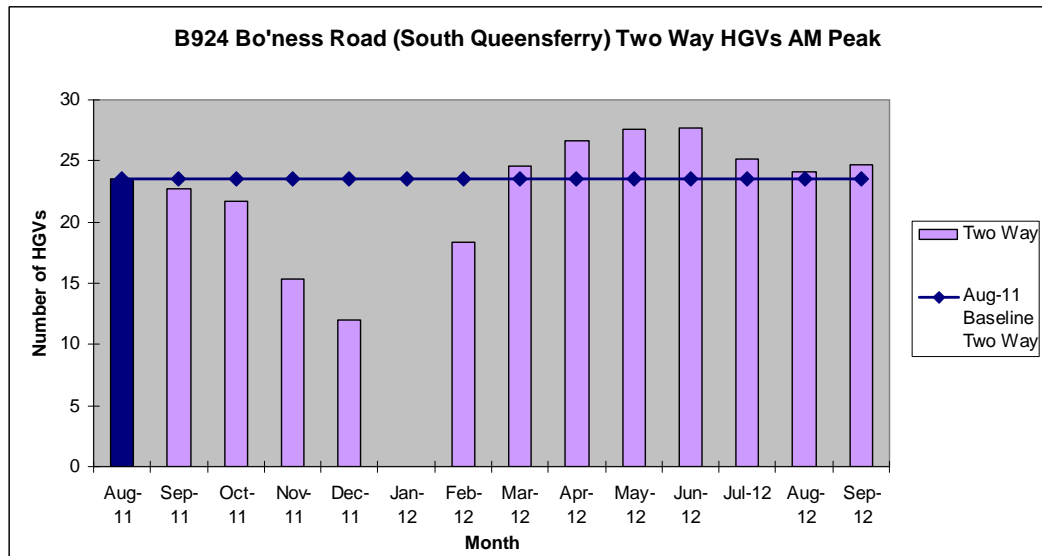


Figure 5-34 Monthly Two Way AM Peak HGV Flows on the B924 Bo'ness Road (South Queensferry)

5.2.6 Monthly Average PM Peak HGV Flows

Table 5-13 Site: JTC00575 PM Peak HGV Traffic Flows – August 2011 to September 2012

Counter	Location	Date	NB	SB	Two Way
JTC00575	B924 Bo'ness Road (South Queensferry)	Aug-11	15	12	27
		Sep-11	15	12	27
		Oct-11	14	12	26
		Nov-11	14	12	27
		Dec-11	13	11	24
		Jan-12	No Data	No Data	No Data
		Feb-12	12	12	25
		Mar-12	14	13	27
		Apr-12	13	10	23
		May-12	14	10	24
		Jun-12	14	11	25
		Jul-12	14	10	24
		Aug-12	14	10	25
		Sep-12	13	10	23
		Annual Average	14	11	25

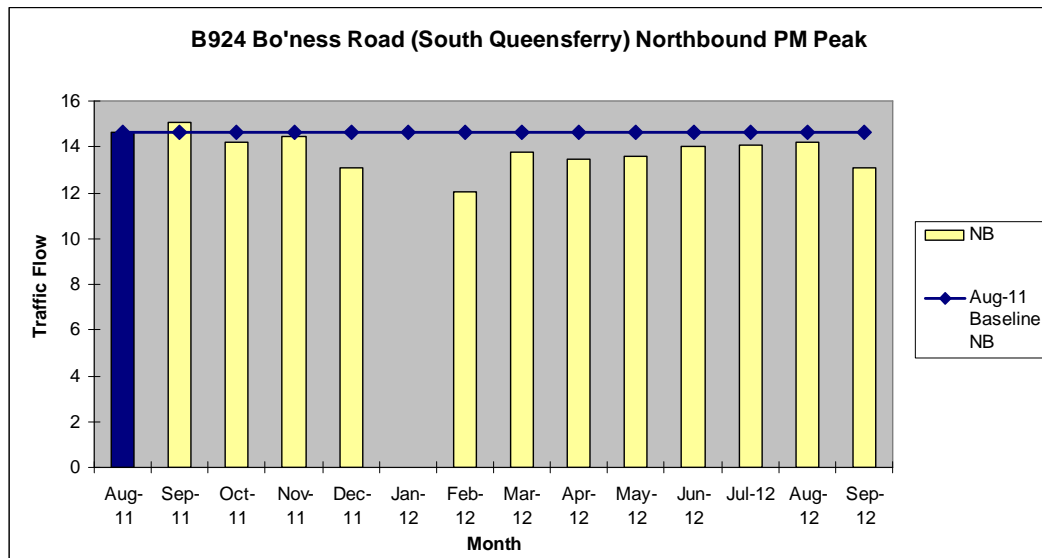


Figure 5-35 Monthly Northbound PM HGV Peak Flows on the B924 Bo'ness Road (South Queensferry)

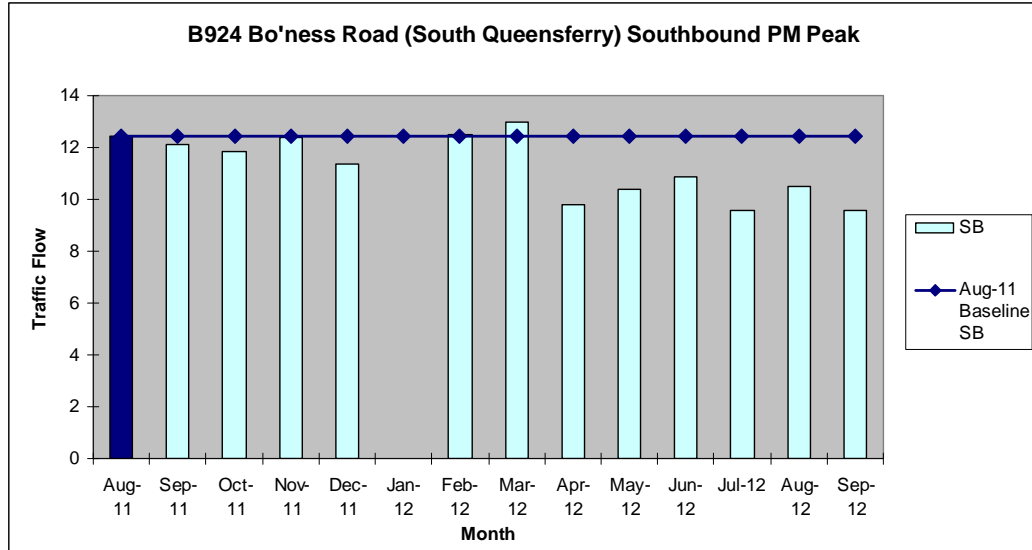


Figure 5-36 Monthly Southbound PM Peak HGVS Flows on the B924 Bo'ness Road (South Queensferry)

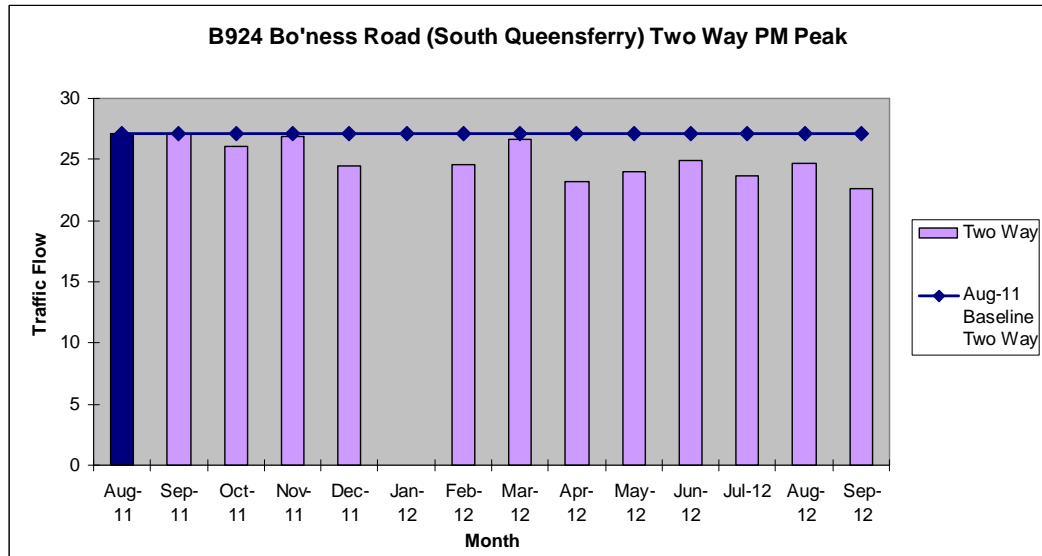


Figure 5-37 Monthly Two Way PM Peak HGVS Flows on the B924 Bo'ness Road (South Queensferry)

5.2.7 Monthly Average All Vehicles Traffic Speeds

Table 5-14 Site: JTC00575 Average Monthly Traffic Speeds (KPH) (All Vehicles) – August 2011 to September 2012

Counter	Location	Date	NB	SB
JTC00575	B924 Bo'ness Road (South Queensferry)	Aug-11	55	56
		Sep-11	55	56
		Oct-11	54	55
		Nov-11	53	55
		Dec-11	42	43
		Jan-12	0	0
		Feb-12	48	50
		Mar-12	53	56
		Apr-12	53	56
		May-12	53	56
		Jun-12	53	56
		Jul-12	53	55
		Aug-12	53	54
Sep-12	53	54		

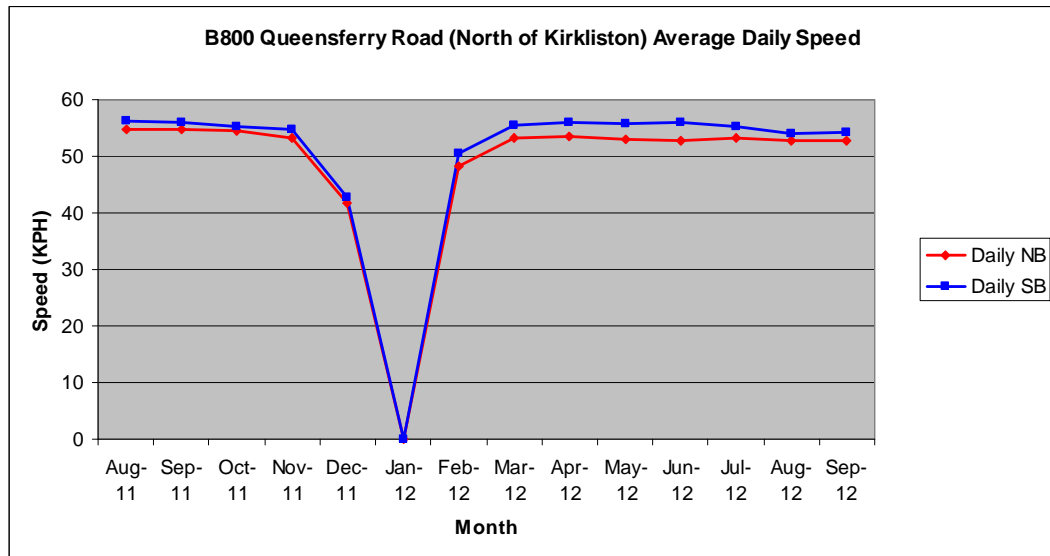


Figure 5-38 Average Monthly Traffic Speeds (KPH) on the B924 Bo'ness Road (South Queensferry)

5.3 Traffic Counter JTC00577 – B800 Queensferry Road (North of Kirkliston)

5.3.1 Monthly Average Traffic Flows

Table 3-15 Site: JTC00577 Annual Traffic Flows – August 2011 to September 2012

Counter	Location	Date	EB	WB	Two Way
JTC00577	B800 Queensferry Road (North of Kirkliston)	Aug-11	3,189	3,494	6,683
		Sep-11	3,203	3,495	6,697
		Oct-11	3,175	3,322	6,497
		Nov-11	3,398	3,636	7,034
		Dec-11	3,098	3,319	6,417
		Jan-12	3,119	3,346	6,465
		Feb-12	3,470	3,708	7,178
		Mar-12	3,694	3,938	7,631
		Apr-12	3,555	3,795	7,351
		May-12	3,774	4,092	7,866
		Jun-12	3,815	4,122	7,937
		Jul-12	3,438	3,813	7,251
		Aug-12	3,765	4,191	7,956
		Sep-12	3,624	4,003	7,627
		Annual Average			3,411

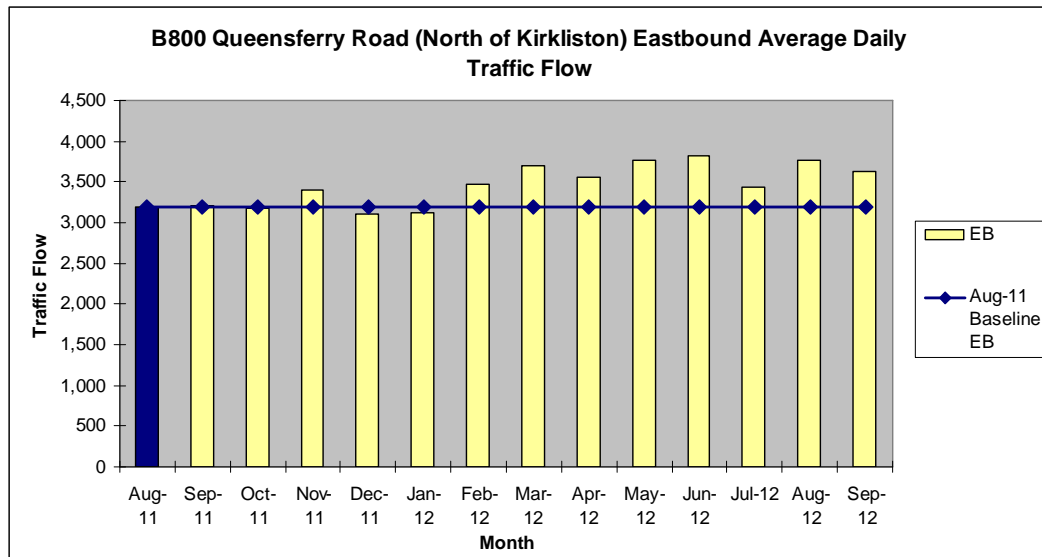


Figure 5-39 Monthly Eastbound AADTs on the B800 Queensferry Road (North of Kirkliston)

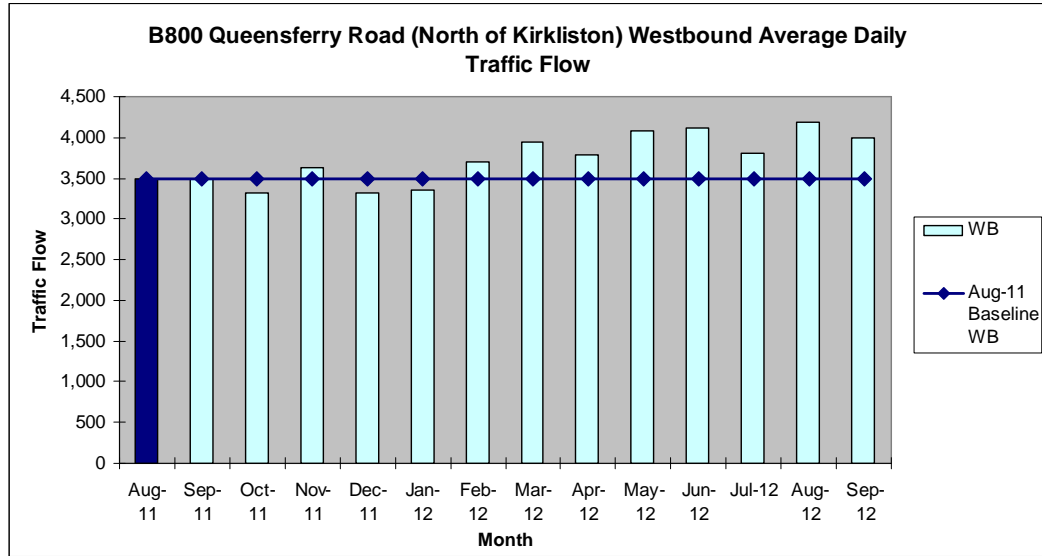


Figure 5-40 Monthly Westbound AADTs on the B800 Queensferry Road (North of Kirkliston)

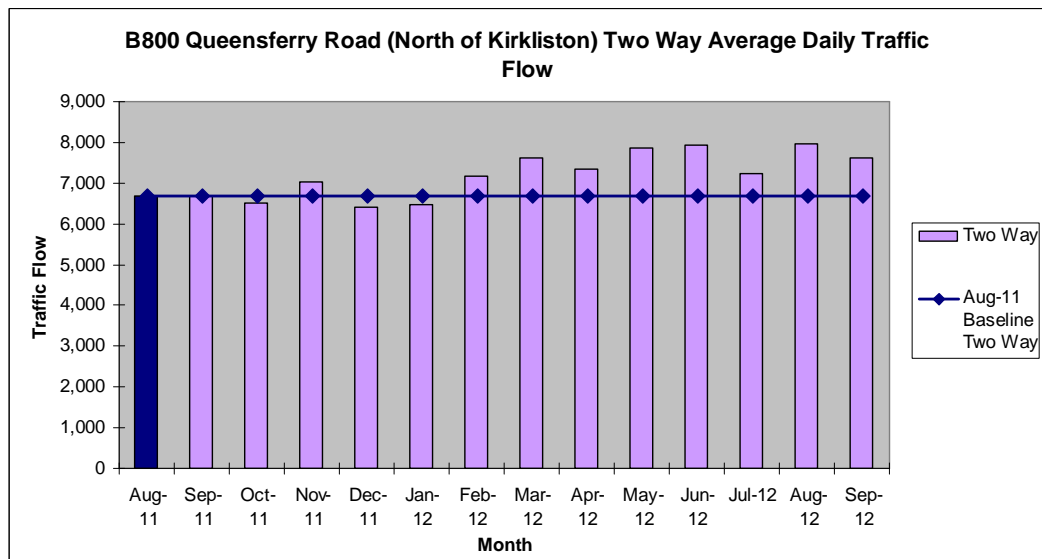


Figure 5-41 Monthly Two Way Daily Traffic Flows on the B800 Queensferry Road (North of Kirkliston)

5.3.2 Monthly Average AM Peak Traffic Flows

Table 5-16 Site: JTC00577 AM Peak Traffic Flows – August 2011 to September 2012

Counter	Location	Date	NB	SB	Two Way
JTC00577	B800 Queensferry Road (North of Kirkliston)	Aug-11	414	771	1,185
		Sep-11	459	839	1,298
		Oct-11	408	772	1,179
		Nov-11	377	801	1,178
		Dec-11	311	637	949
		Jan-12	346	695	1,041
		Feb-12	379	744	1,123
		Mar-12	445	803	1,248
		Apr-12	471	786	1,257
		May-12	531	891	1,421
		Jun-12	507	882	1,389
		Jul-12	448	739	1,187
		Aug-12	534	831	1,364
		Sep-12	529	797	1,325
		Annual Average			425

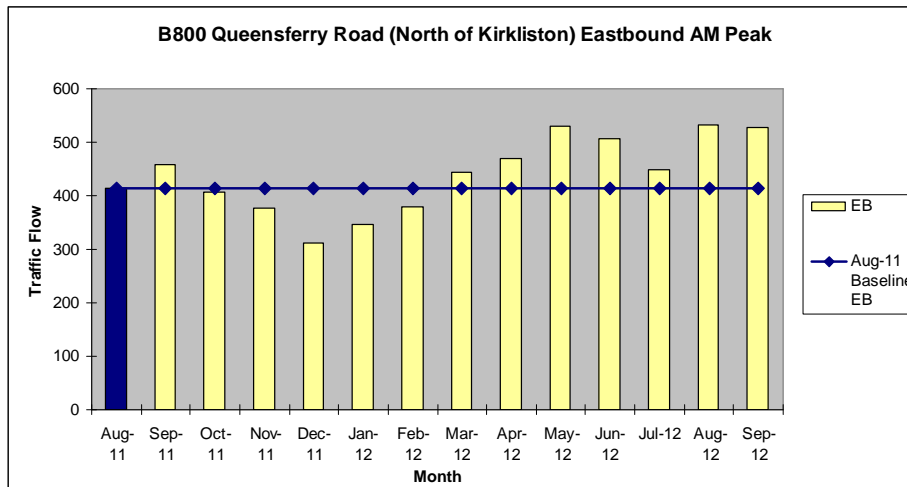


Figure 5-42 Monthly Northbound AM Peak Flows on the B800 Queensferry Road (North of Kirkliston)

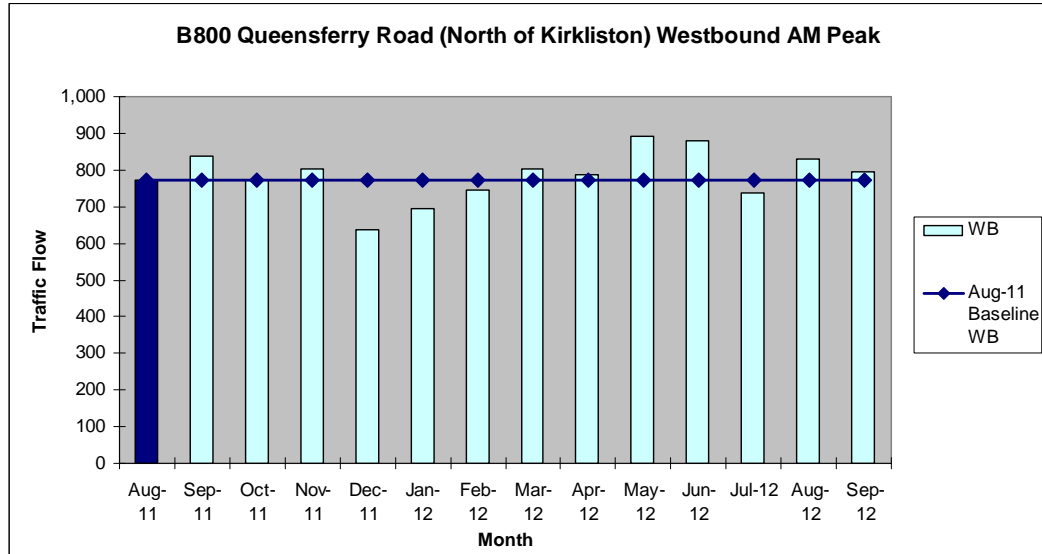


Figure 5-43 Monthly Southbound AM Peak Flows on the B800 Queensferry Road (North of Kirkliston)

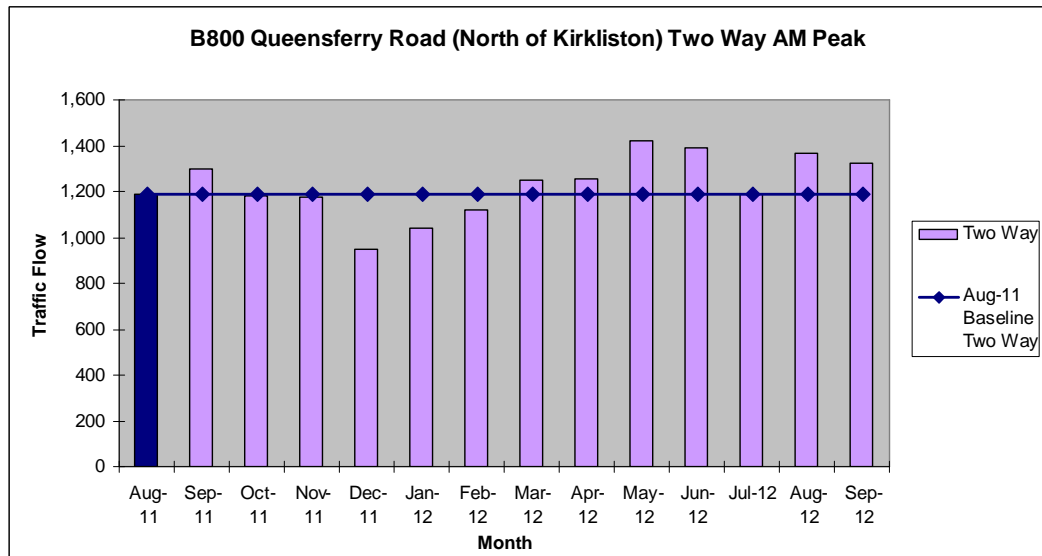


Figure 5-44 Monthly Two Way AM Peak Flows on the B800 Queensferry Road (North of Kirkliston)

5.3.3 Monthly Average PM Peak Traffic Flows

Table 5-17 Site: JTC00577 PM Peak Traffic Flows – August 2011 to September 2012

Counter	Location	Date	EB	WB	Two Way
JTC00577	B800 Queensferry Road (North of Kirkliston)	Aug-11	988	740	1,728
		Sep-11	968	740	1,708
		Oct-11	971	706	1,677
		Nov-11	1,030	806	1,836
		Dec-11	873	710	1,583
		Jan-12	896	732	1,628
		Feb-12	1,004	825	1,829
		Mar-12	1,036	868	1,904
		Apr-12	1,001	820	1,821
		May-12	1,031	878	1,910
		Jun-12	1,062	840	1,902
		Jul-12	941	814	1,755
		Aug-12	1,023	945	1,968
		Sep-12	974	889	1,863
		Annual Average			984

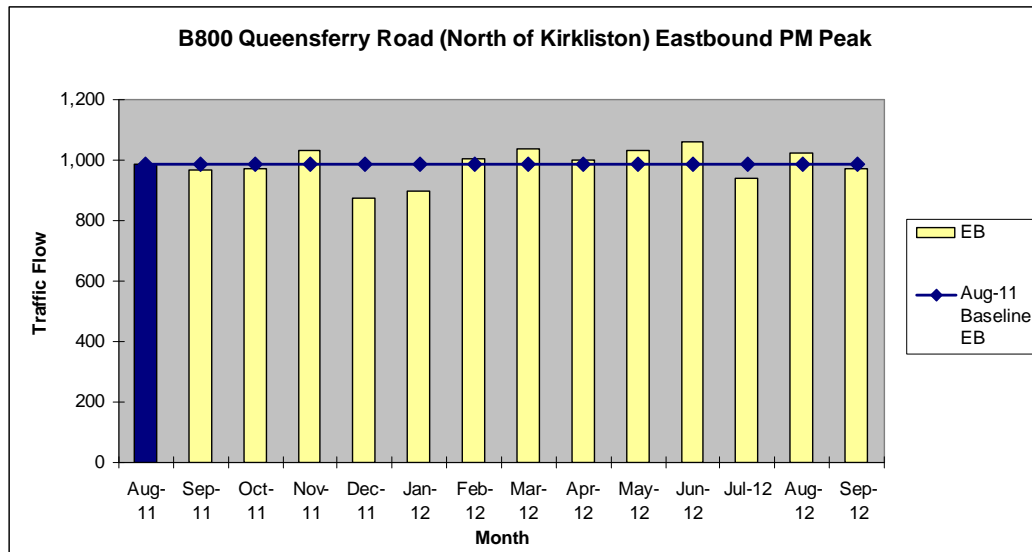


Figure 5-45 Monthly Eastbound PM Peak Flows on the B800 Queensferry Road (North of Kirkliston)

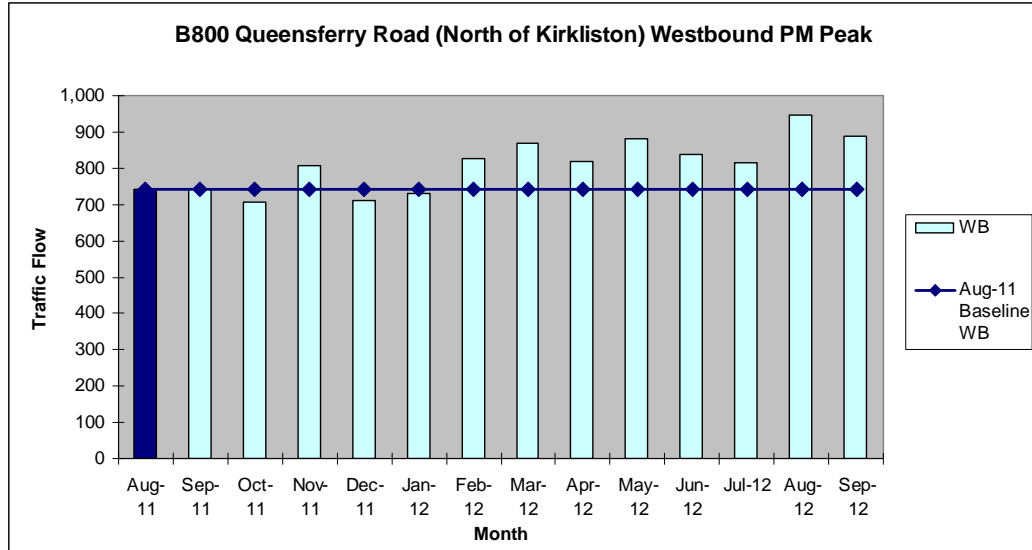


Figure 5-46 Monthly Westbound PM Peak Flows on the B800 Queensferry Road (North of Kirkliston)

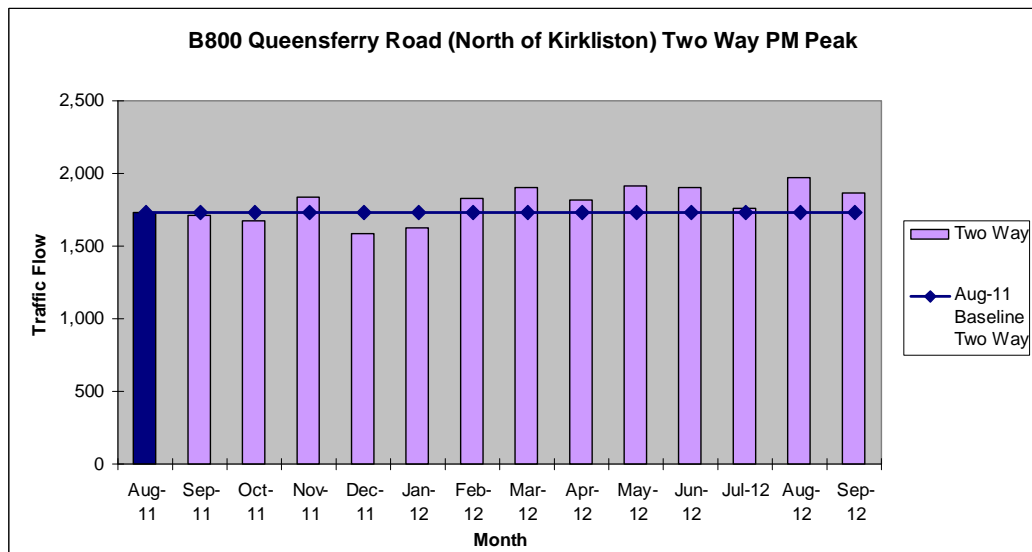


Figure 5-47 Monthly Two Way PM Peak Flows on the B800 Queensferry Road (North of Kirkliston)

5.3.4 Monthly Average HGV Flows

Table 5-18 Site: JTC00577 Annual HGV Traffic Flows – August 2011 to September 2012

Counter	Location	Date	EB	WB	Two Way
JTC00577	B800 Queensferry Road (North of Kirkliston)	Aug-11	31	38	69
		Sep-11	36	40	76
		Oct-11	31	37	68
		Nov-11	34	42	76
		Dec-11	29	38	67
		Jan-12	43	48	92
		Feb-12	82	85	167
		Mar-12	89	92	180
		Apr-12	81	85	166
		May-12	87	91	178
		Jun-12	85	91	176
		Jul-12	75	81	156
		Aug-12	81	91	171
		Sep-12	83	91	174
		Annual Average			59

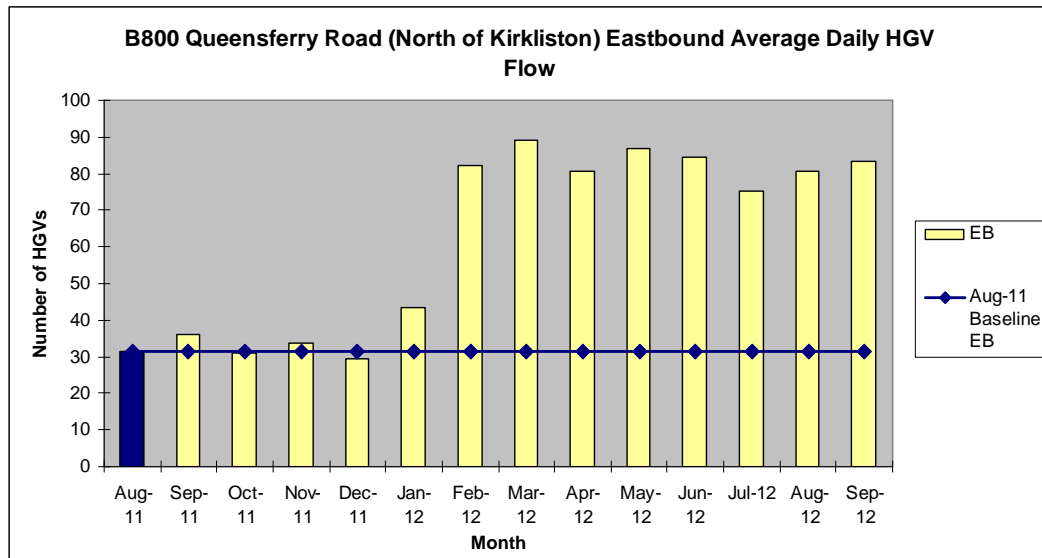


Figure 5-48 Monthly Eastbound HGV Flows on the B800 Queensferry Road (North of Kirkliston)

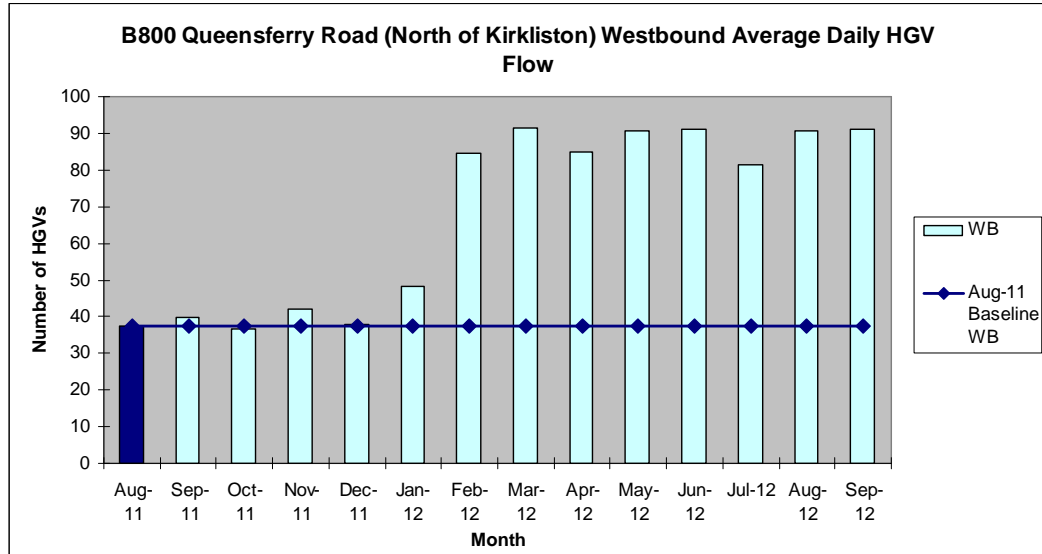


Figure 5-49 Monthly Westbound HGVS Flows on the B800 Queensferry Road (North of Kirkliston)

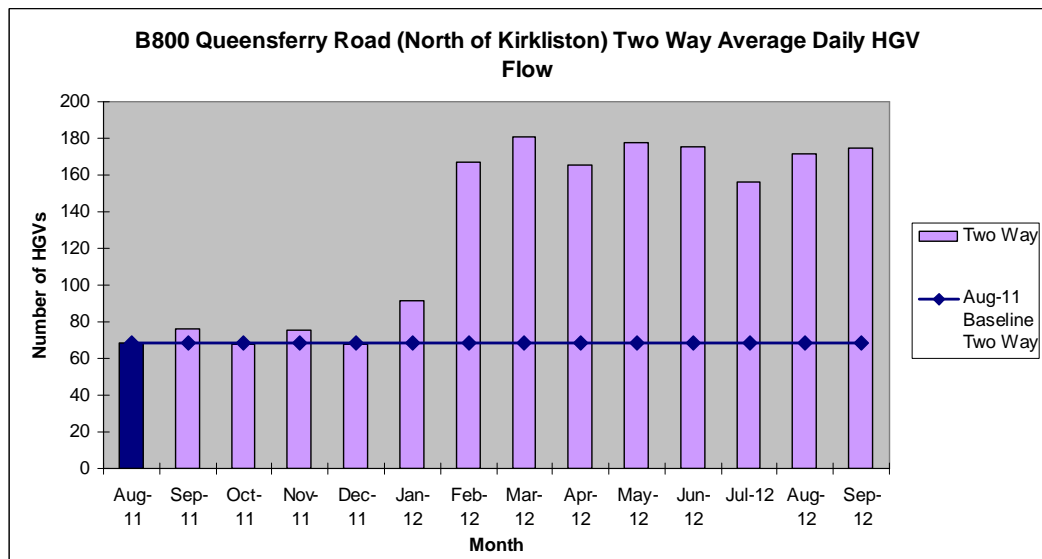


Figure 5-50 Monthly Two Way HGVS Flows on the B800 Queensferry Road (North of Kirkliston)

5.3.5 Monthly Average AM Peak HGV Flows

Table 5-19 Site: JTC00577 AM Peak HGV Traffic Flows – August 2011 to September 2012

Counter	Location	Date	EB	WB	Two Way
JTC00577	B800 Queensferry Road (North of Kirkliston)	Aug-11	9	8	17
		Sep-11	12	10	22
		Oct-11	9	8	17
		Nov-11	10	7	16
		Dec-11	8	5	13
		Jan-12	10	7	17
		Feb-12	15	12	27
		Mar-12	18	13	31
		Apr-12	16	15	31
		May-12	18	16	34
		Jun-12	19	17	35
		Jul-12	12	13	25
		Aug-12	16	15	31
		Sep-12	18	16	34
		Annual Average			13

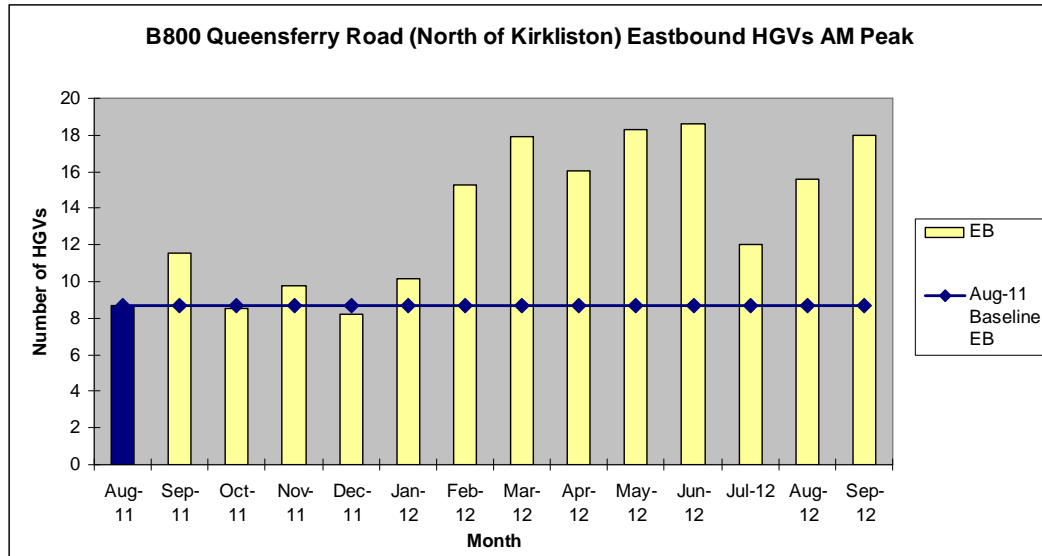


Figure 5-51 Monthly Eastbound AM Peak HGV Flows on the B800 Queensferry Road (North of Kirkliston)

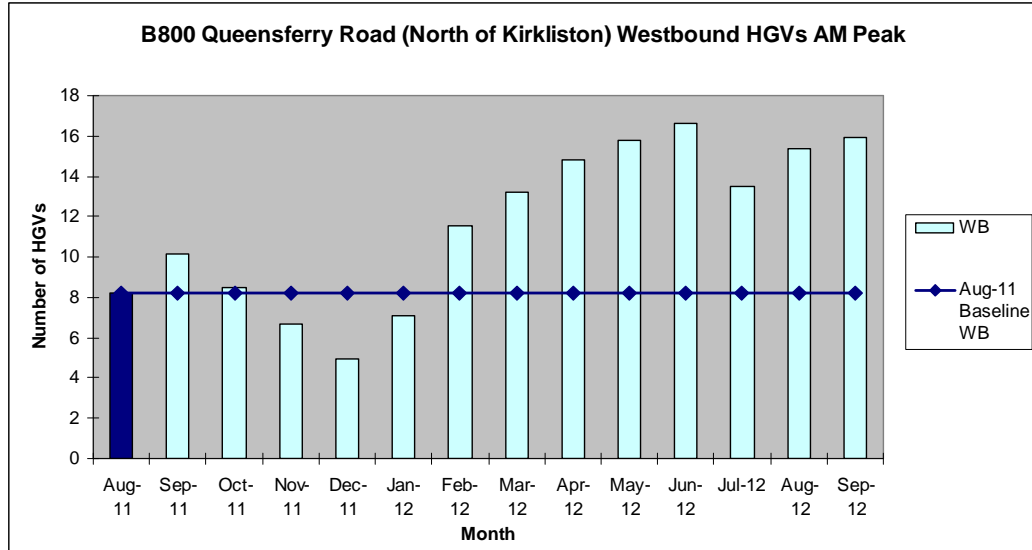


Figure 5-52 Monthly Westbound AM Peak HGV Flows on the B800 Queensferry Road (North of Kirkliston)

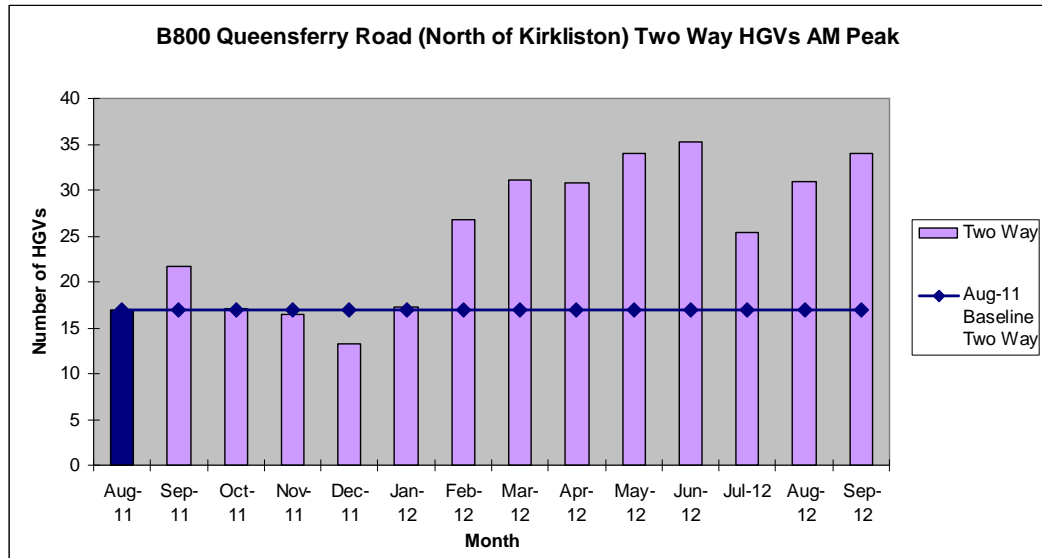


Figure 5-53 Monthly Two Way AM Peak HGV Flows on the B800 Queensferry Road (North of Kirkliston)

5.3.6 Monthly Average PM Peak HGV Flows

Table 5-20 Site: JTC00577 PM Peak HGV Traffic Flows – August 2011 to September 2012

Counter	Location	Date	EB	WB	Two Way
JTC00577	B800 Queensferry Road (North of Kirkliston)	Aug-11	6	9	15
		Sep-11	6	10	16
		Oct-11	6	8	14
		Nov-11	6	12	19
		Dec-11	6	10	16
		Jan-12	8	12	20
		Feb-12	15	19	34
		Mar-12	15	20	35
		Apr-12	13	16	30
		May-12	14	19	32
		Jun-12	14	18	32
		Jul-12	13	15	28
		Aug-12	13	18	31
		Sep-12	13	17	26
		Annual Average			10

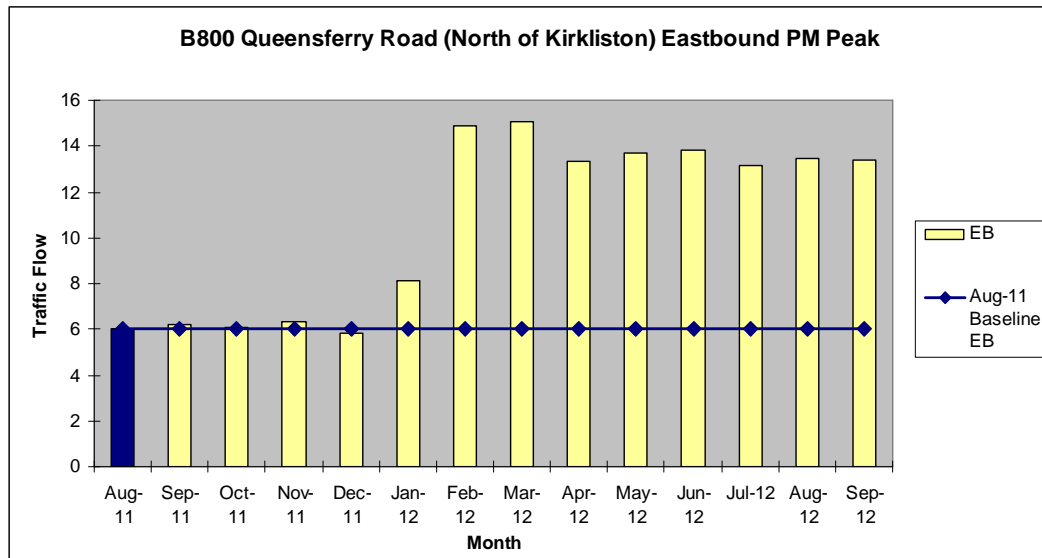


Figure 5-54 Monthly Eastbound PM HGV Peak Flows on the B800 Queensferry Road (North of Kirkliston)

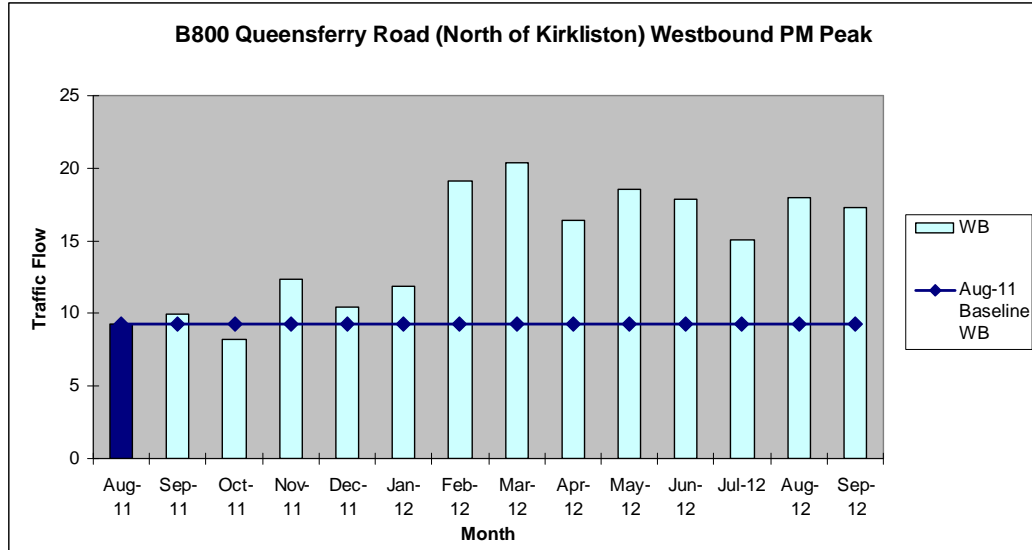


Figure 5-55 Monthly Westbound PM Peak HGV Flows on the B800 Queensferry Road (North of Kirkliston)

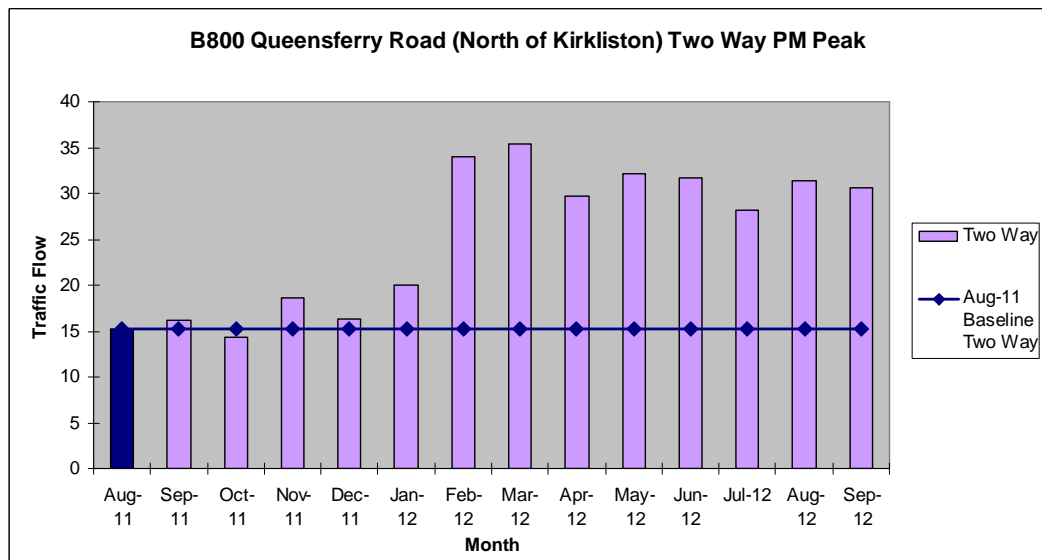


Figure 5-56 Monthly Two Way PM Peak HGV Flows on the B800 Queensferry Road (North of Kirkliston)

5.3.7 Monthly Average All Vehicles Traffic Speeds

Table 5-21 Site: JTC00577 Average Monthly Traffic Speeds (KPH) (All Vehicles) – August 2011 to September 2012

Counter	Location	Date	EB	WB
JTC00577	B800 Queensferry Road (North of Kirkliston)	Aug-11	77	79
		Sep-11	78	79
		Oct-11	77	78
		Nov-11	77	78
		Dec-11	77	78
		Jan-12	77	78
		Feb-12	77	78
		Mar-12	76	77
		Apr-12	76	77
		May-12	76	76
		Jun-12	75	76
		Jul-12	75	76
		Aug-12	75	75
Sep-12	75	76		

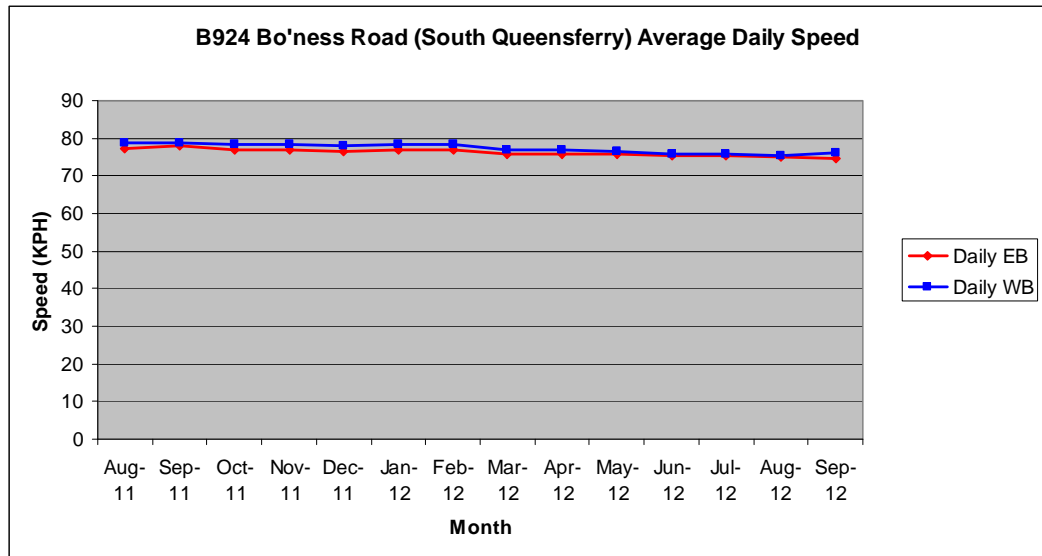


Figure 5-57 Average Monthly Traffic Speeds (KPH) on the B800 Queensferry Road (North of Kirkliston)

5.4 Traffic Counter JTC00581 – B981 Chapel Place (Inverkeithing)

5.4.1 Monthly Average Traffic Flows

Table 3-22 Site: JTC00581 Annual Traffic Flows – August 2011 to September 2012

Counter	Location	Date	NB	SB	Two Way
JTC00581	B981 Chapel Place (Inverkeithing)	Aug-11	5,249	5,411	10,661
		Sep-11	4,958	5,591	10,549
		Oct-11	5,058	5,812	10,869
		Nov-11	5,208	5,900	11,108
		Dec-11	4,159	4,646	8,805
		Jan-12	No Data	No Data	No Data
		Feb-12	5,174	5,826	11,000
		Mar-12	5,291	6,007	11,298
		Apr-12	5,262	6,781	12,042
		May-12	5,336	6,243	11,579
		Jun-12	5,234	5,979	11,213
		Jul-12	4,994	5,587	10,581
		Aug-12	5,306	6,016	11,322
		Sep-12	5,022	5,634	10,655
			Annual Average		5,084

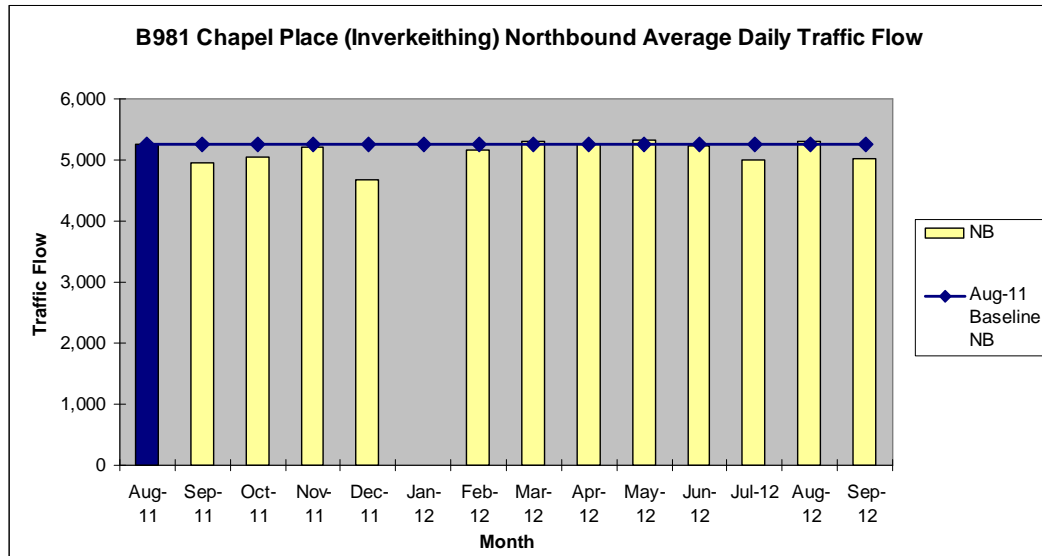


Figure 5-58 Monthly Northbound AADTs on the B981 Chapel Place (Inverkeithing)

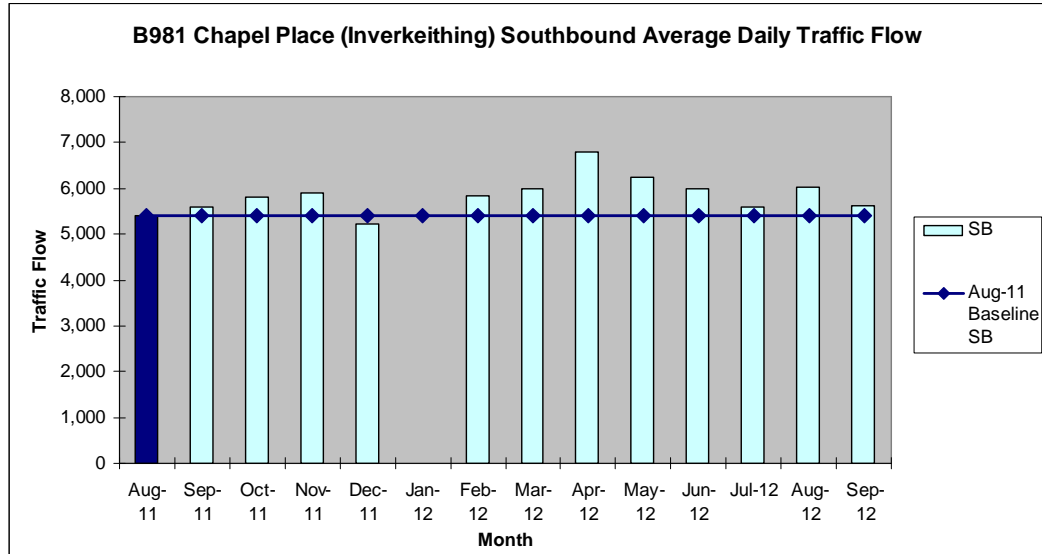


Figure 5-59 Monthly Southbound AADTs on the B981 Chapel Place (Inverkeithing)

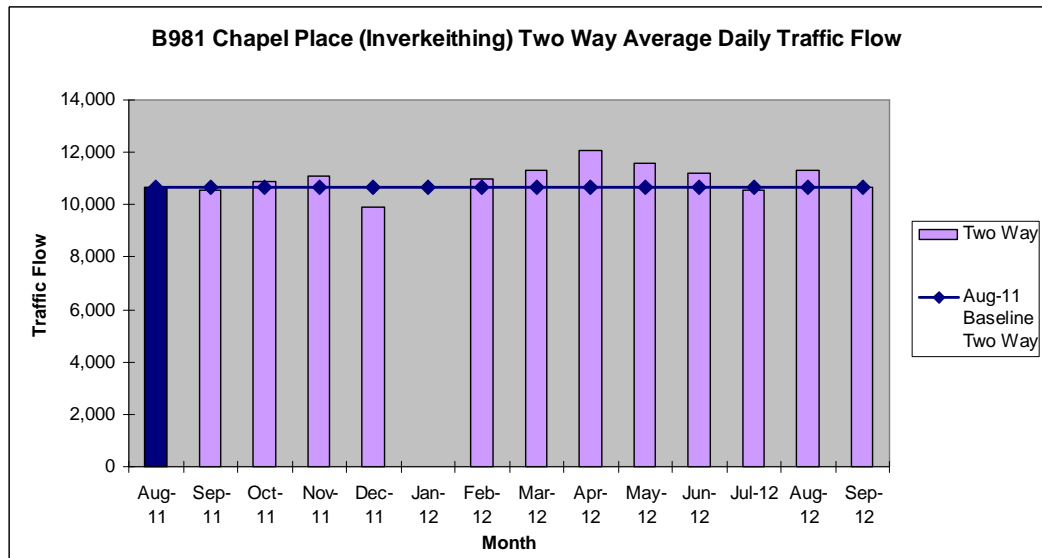


Figure 5-60 Monthly Two Way Daily Traffic Flows on the B981 Chapel Place (Inverkeithing)

5.4.2 Monthly Average AM Peak Traffic Flows

Table 5-23 Site: JTC00581 AM Peak Traffic Flows – August 2011 to September 2012

Counter	Location	Date	NB	SB	Two Way
JTC00581	B981 Chapel Place (Inverkeithing)	Aug-11	766	1,032	1,798
		Sep-11	770	1,224	1,993
		Oct-11	715	1,159	1,874
		Nov-11	629	1,176	1,805
		Dec-11	374	614	988
		Jan-12	No Data	No Data	No Data
		Feb-12	619	1,123	1,742
		Mar-12	673	1,178	1,850
		Apr-12	750	1,398	2,147
		May-12	792	1,318	2,111
		Jun-12	747	1,202	1,950
		Jul-12	676	1,041	1,717
		Aug-12	748	1,196	1,944
		Sep-12	752	1,134	1,886
	Annual Average		683	1,133	1,816

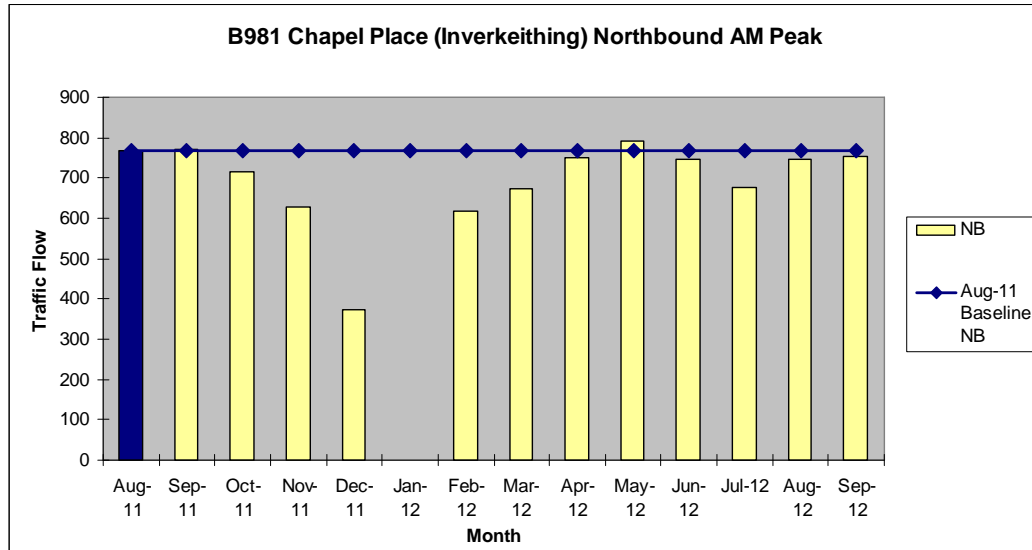


Figure 5-61 Monthly Northbound AM Peak Flows on the B981 Chapel Place (Inverkeithing)

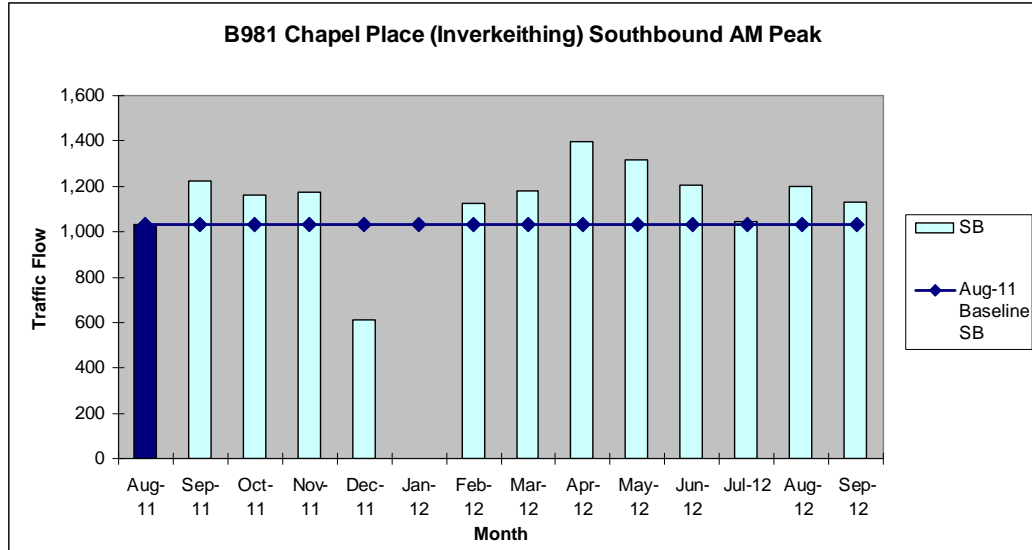


Figure 5-62 Monthly Southbound AM Peak Flows on the B981 Chapel Place (Inverkeithing)

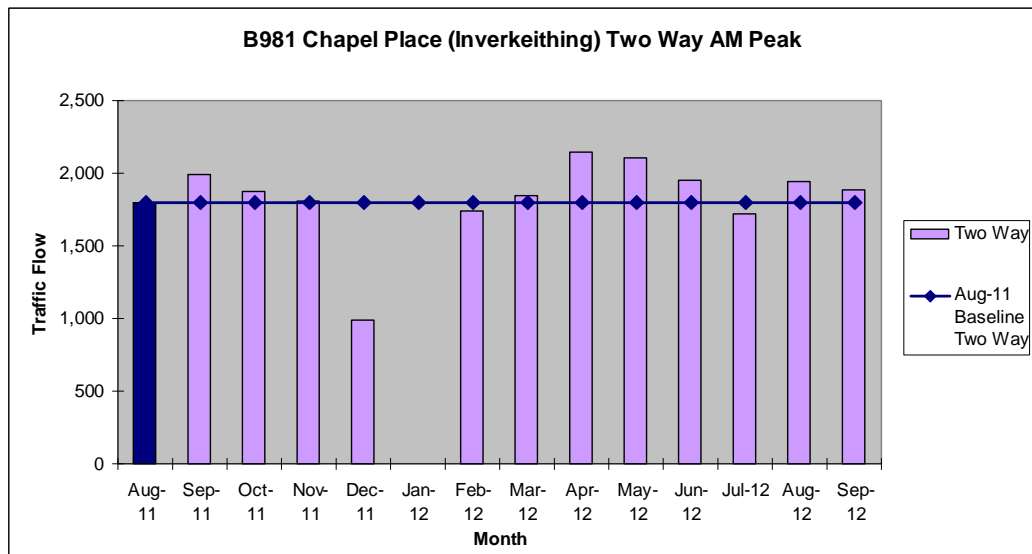


Figure 5-63 Monthly Two Way AM Peak Flows on the B981 Chapel Place (Inverkeithing)

5.4.3 Monthly Average PM Peak Traffic Flows

Table 5-24 Site: JTC00581 PM Peak Traffic Flows – August 2011 to September 2012

Counter	Location	Date	NB	SB	Two Way
JTC00581	B981 Chapel Place (Inverkeithing)	Aug-11	1,332	1,196	2,528
		Sep-11	1,305	1,239	2,544
		Oct-11	1,328	1,277	2,604
		Nov-11	1,285	1,265	2,550
		Dec-11	979	1,006	1,986
		Jan-12	No Data	No Data	No Data
		Feb-12	1,297	1,262	2,559
		Mar-12	1,320	1,296	2,616
		Apr-12	1,363	1,431	2,794
		May-12	1,361	1,349	2,711
		Jun-12	1,318	1,257	2,575
		Jul-12	1,294	1,211	2,505
		Aug-12	1,325	1,292	2,617
		Sep-12	1,289	1,249	2,538
	Annual Average		1,289	1,254	2,543

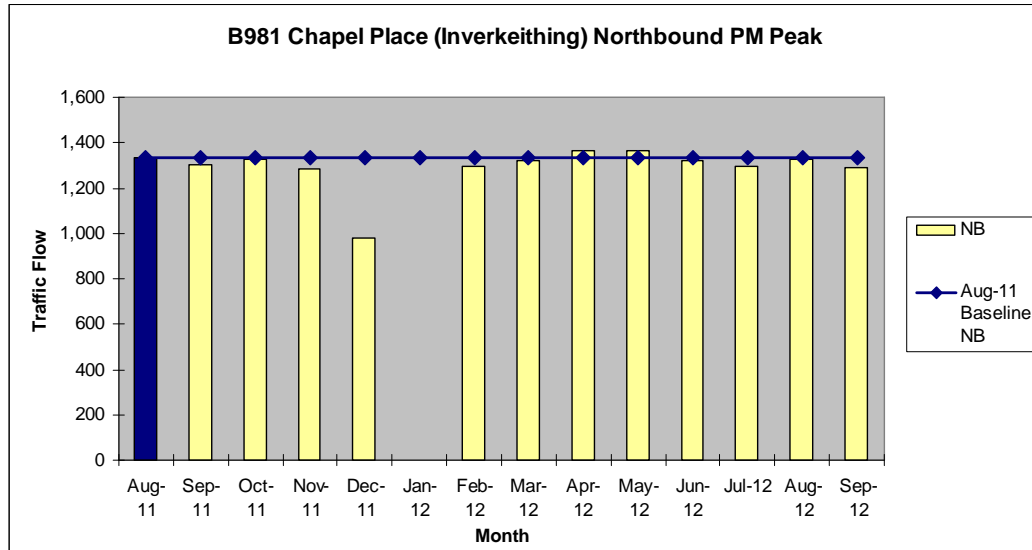


Figure 5-64 Monthly Northbound PM Peak Flows on the B981 Chapel Place (Inverkeithing)

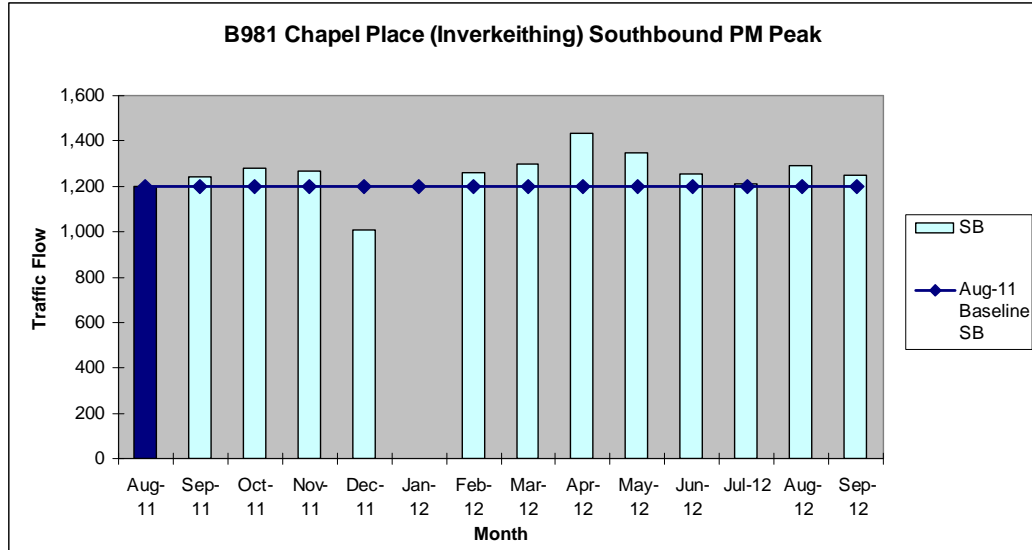


Figure 5-65 Monthly Southbound PM Peak Flows on the B981 Chapel Place (Inverkeithing)

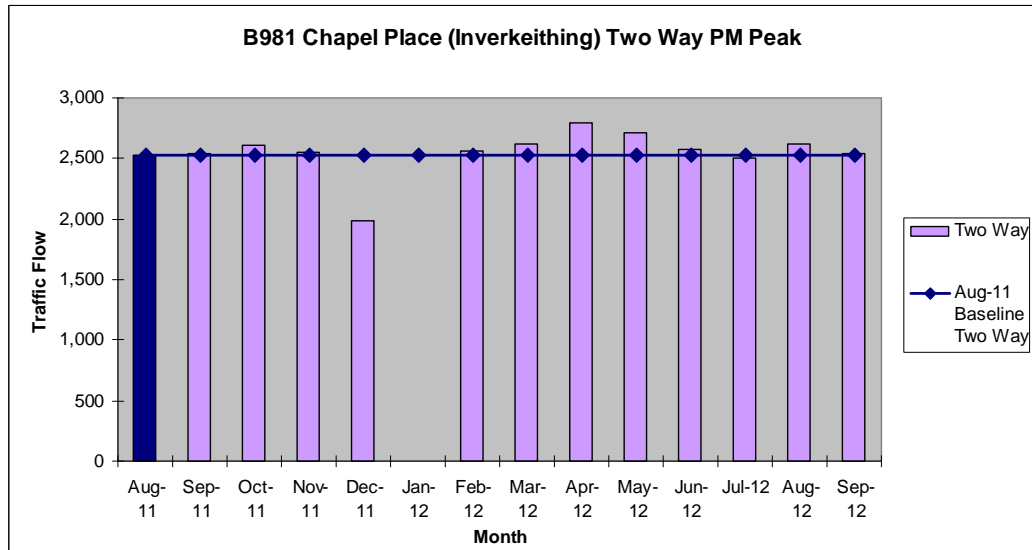


Figure 5-66 Monthly Two Way PM Peak Flows on the B981 Chapel Place (Inverkeithing)

5.4.4 Monthly Average HGV Flows

Table 5-25 Site: JTC00581 Annual HGV Traffic Flows – August 2011 to September 2012

Counter	Location	Date	NB	SB	Two Way
JTC00581	B981 Chapel Place (Inverkeithing)	Aug-11	79	71	149
		Sep-11	82	74	156
		Oct-11	85	73	158
		Nov-11	90	78	167
		Dec-11	65	57	121
		Jan-12	No Data	No Data	No Data
		Feb-12	85	75	159
		Mar-12	87	76	164
		Apr-12	86	80	166
		May-12	89	77	166
		Jun-12	88	77	166
		Jul-12	79	68	147
		Aug-12	94	81	175
		Sep-12	83	75	158
	Annual Average		83	73	156

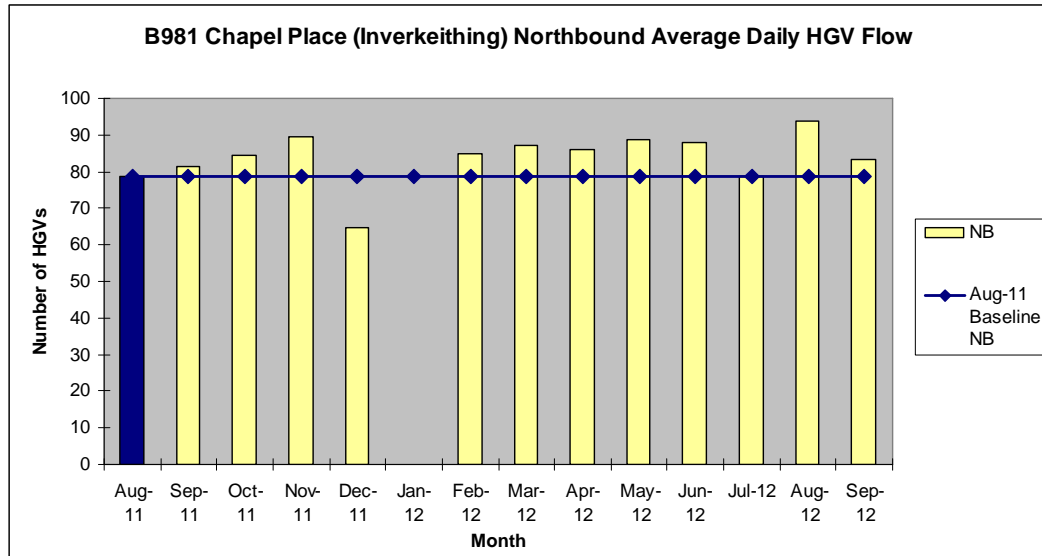


Figure 5-67 Monthly Northbound HGV Flows on the B981 Chapel Place (Inverkeithing)

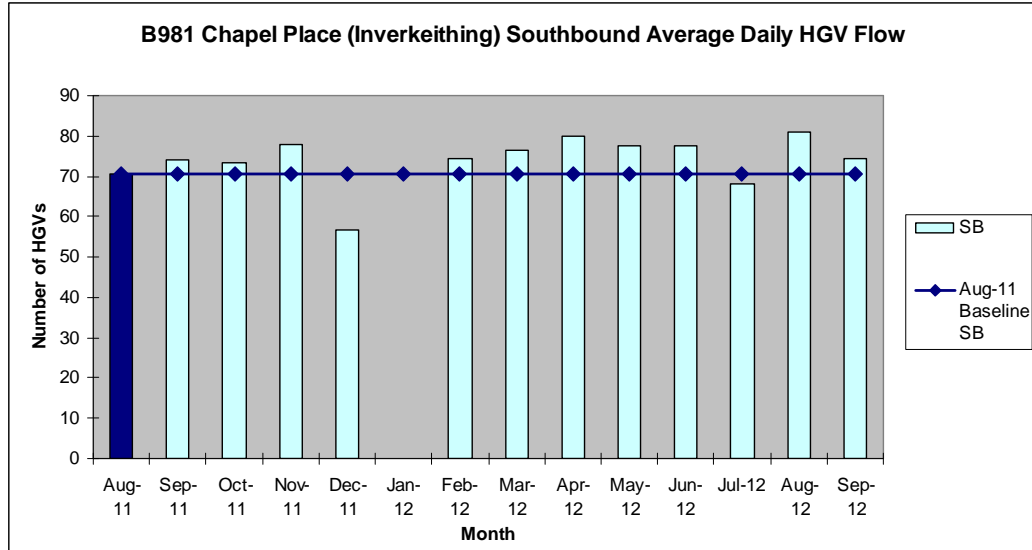


Figure 5-68 Monthly Southbound HGVS Flows on the B981 Chapel Place (Inverkeithing)

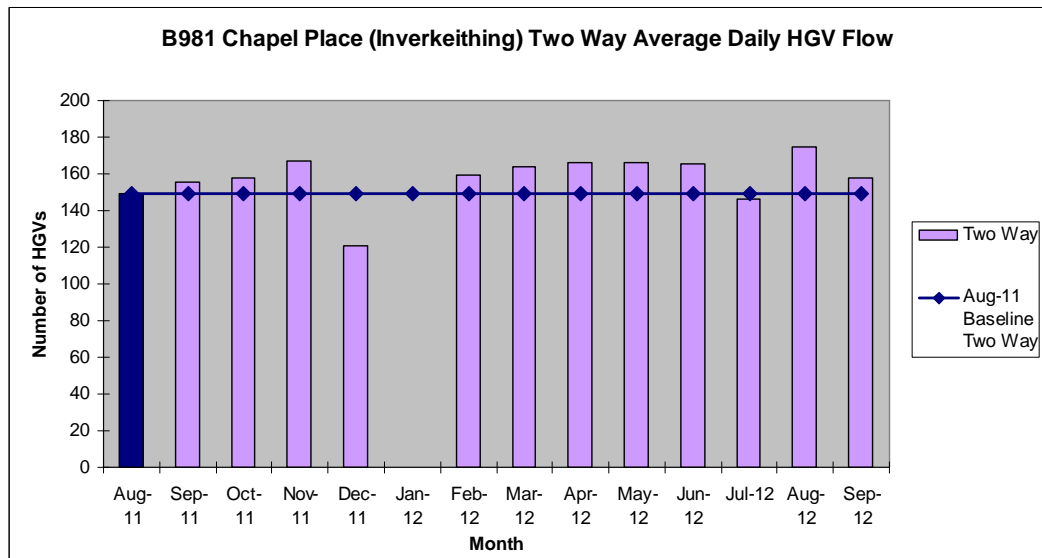


Figure 5-69 Monthly Two Way HGVS Flows on the B981 Chapel Place (Inverkeithing)

5.4.5 Monthly Average AM Peak HGV Flows

Table 5-26 Site: JTC00581 AM Peak HGV Traffic Flows – August 2011 to September 2012

Counter	Location	Date	NB	SB	Two Way
JTC00581	B981 Chapel Place (Inverkeithing)	Aug-11	14	15	29
		Sep-11	17	17	34
		Oct-11	16	16	32
		Nov-11	14	17	31
		Dec-11	11	12	23
		Jan-12	No Data	No Data	No Data
		Feb-12	13	16	29
		Mar-12	14	16	30
		Apr-12	17	19	35
		May-12	17	17	34
		Jun-12	17	17	35
		Jul-12	15	15	31
		Aug-12	17	17	33
		Sep-12	17	16	33
	Annual Average		15	16	31

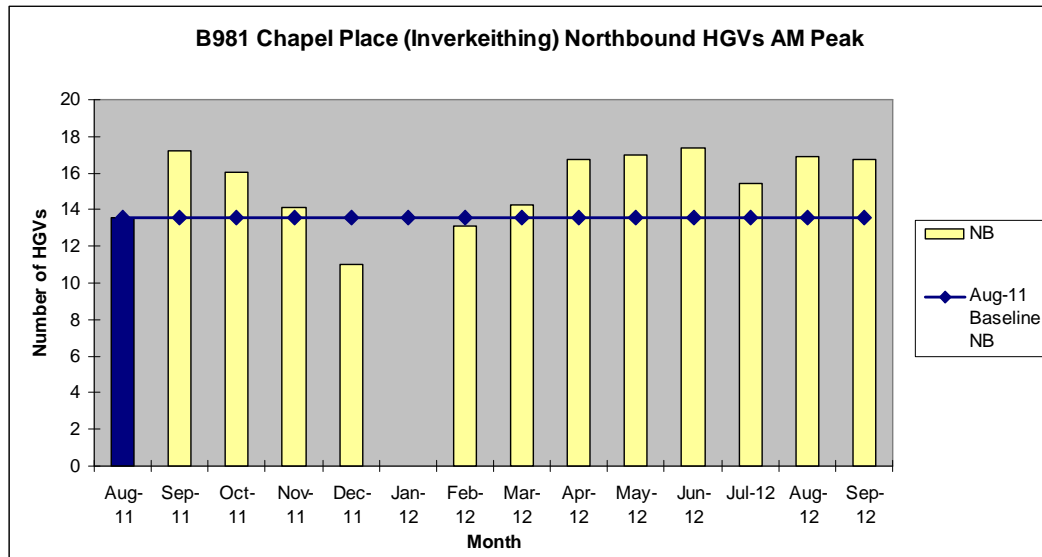


Figure 5-70 Monthly Northbound AM Peak HGV Flows on the B981 Chapel Place (Inverkeithing)

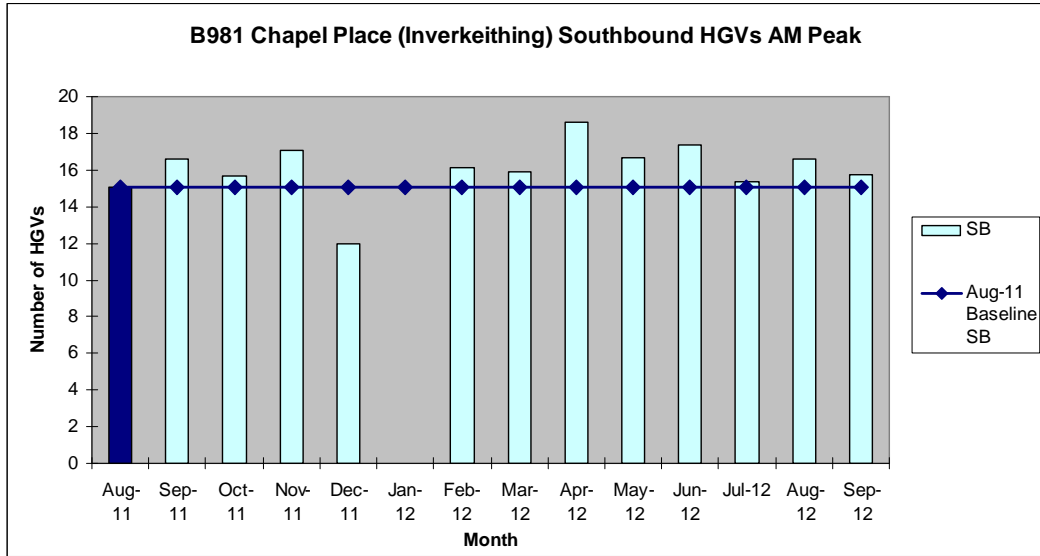


Figure 5-71 Monthly Southbound AM Peak HGV Flows on the B981 Chapel Place (Inverkeithing)

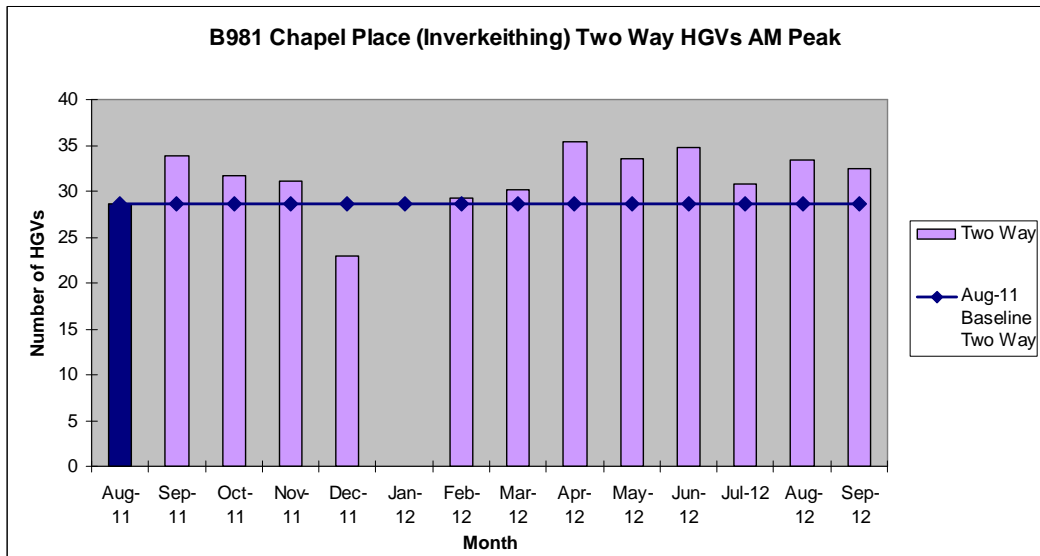


Figure 5-72 Monthly Two Way AM Peak HGV Flows on the B981 Chapel Place (Inverkeithing)

5.4.6 Monthly Average PM Peak HGV Flows

Table 5-27 Site: JTC00581 PM Peak HGV Traffic Flows – August 2011 to September 2012

Counter	Location	Date	NB	SB	Two Way
JTC00581	B981 Chapel Place (Inverkeithing)	Aug-11	19	14	33
		Sep-11	22	14	36
		Oct-11	23	15	38
		Nov-11	24	17	41
		Dec-11	15	13	28
		Jan-12	No Data	No Data	No Data
		Feb-12	22	17	39
		Mar-12	24	16	40
		Apr-12	24	13	37
		May-12	26	14	40
		Jun-12	22	13	35
		Jul-12	20	12	32
		Aug-12	25	16	41
		Sep-12	21	13	34
		Annual Average		22	14

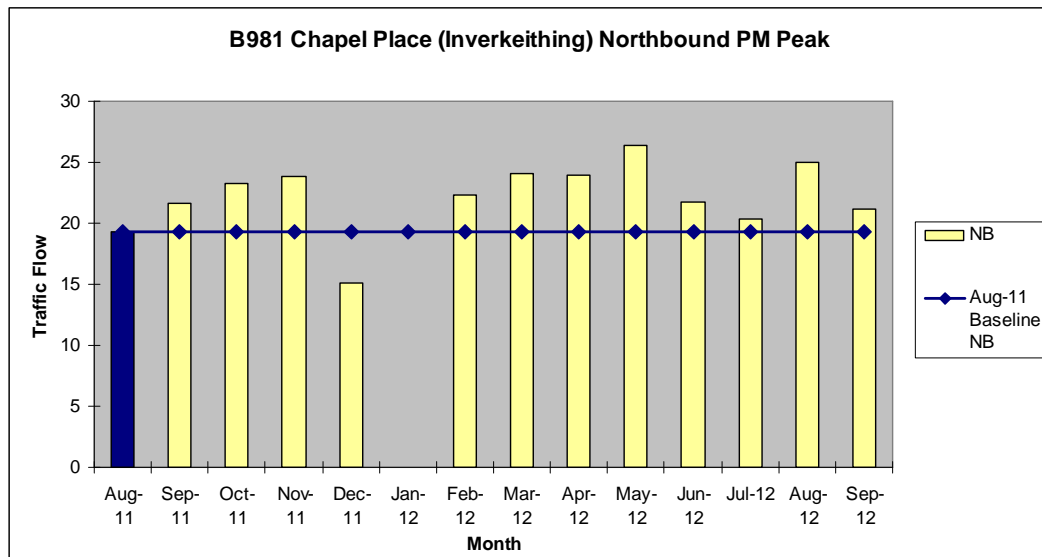


Figure 5-73 Monthly Northbound PM HGV Peak Flows on the B981 Chapel Place (Inverkeithing)

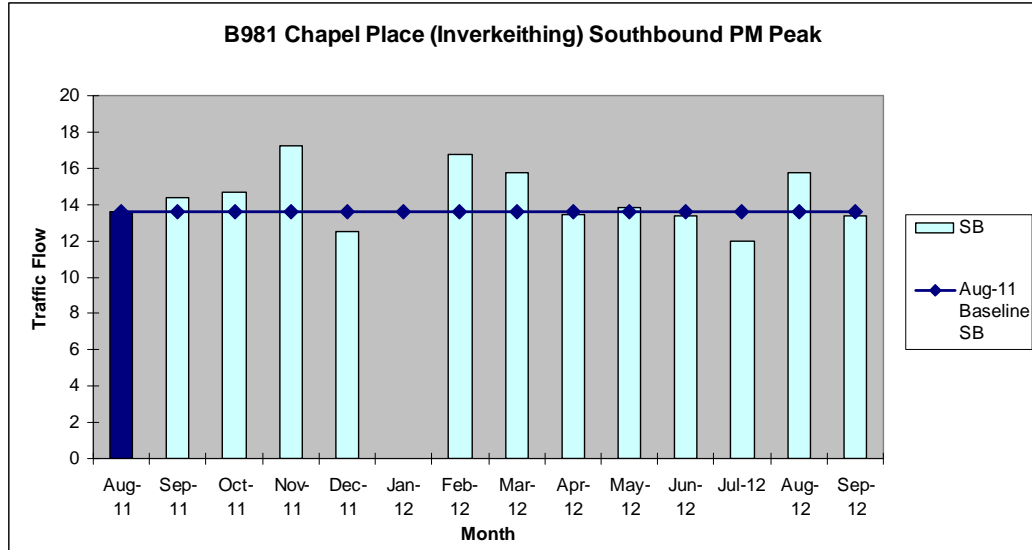


Figure 5-74 Monthly Southbound PM Peak HGV Flows on the B981 Chapel Place (Inverkeithing)

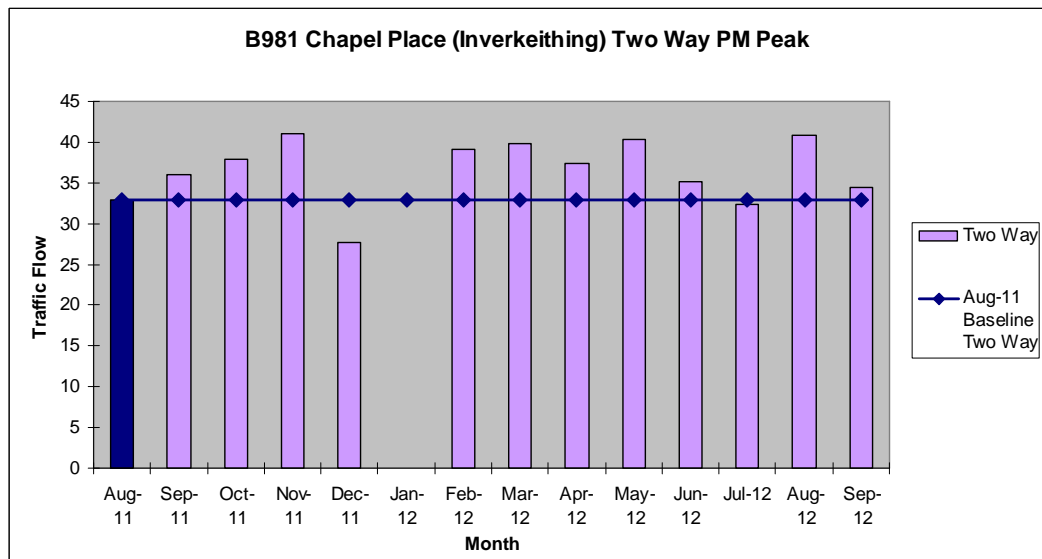


Figure 5-75 Monthly Two Way PM Peak HGV Flows on the B981 Chapel Place (Inverkeithing)

5.4.7 Monthly Average All Vehicles Traffic Speeds

Table 5-28 Site: JTC00581 Average Monthly Traffic Speeds (KPH) (All Vehicles) – August 2011 to September 2012

Counter	Location	Date	NB	SB
JTC00581	B981 Chapel Place (Inverkeithing)	Aug-11	45	45
		Sep-11	45	45
		Oct-11	44	44
		Nov-11	44	44
		Dec-11	39	39
		Jan-12	No Data	No Data
		Feb-12	44	44
		Mar-12	44	45
		Apr-12	44	45
		May-12	44	45
		Jun-12	44	45
		Jul-12	45	45
		Aug-12	44	44
Sep-12	45	45		

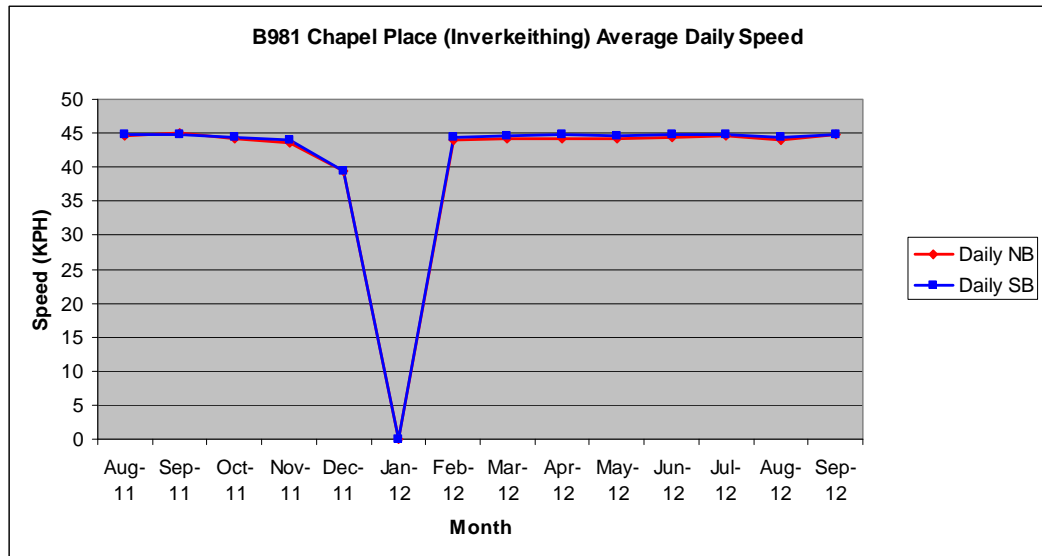


Figure 5-76 Average Monthly Traffic Speeds (KPH) on the B981 Chapel Place (Inverkeithing)

5.5 Traffic Counter JTC00582 – B916 Aberdour Road (Dunfermline)

5.5.1 Monthly Average Traffic Flows

Table 3-29 Site: JTC00582 Annual Traffic Flows – August 2011 to September 2012

Counter	Location	Date	EB	WB	Two Way
JTC00582	B916 Aberdour Road (Dunfermline)	Aug-11	3,446	3,904	7,349
		Sep-11	4,169	4,293	8,462
		Oct-11	4,288	4,405	8,694
		Nov-11	4,504	4,725	9,228
		Dec-11	4,205	4,486	8,691
		Jan-12	3,497	3,669	7,165
		Feb-12	4,434	4,691	9,125
		Mar-12	4,625	4,894	9,518
		Apr-12	4,520	4,851	9,371
		May-12	4,689	5,022	9,711
		Jun-12	4,568	4,863	9,431
		Jul-12	4,349	4,522	8,871
		Aug-12	4,570	4,775	9,345
		Sep-12	4,422	4,640	9,062
		Annual Average			4,274

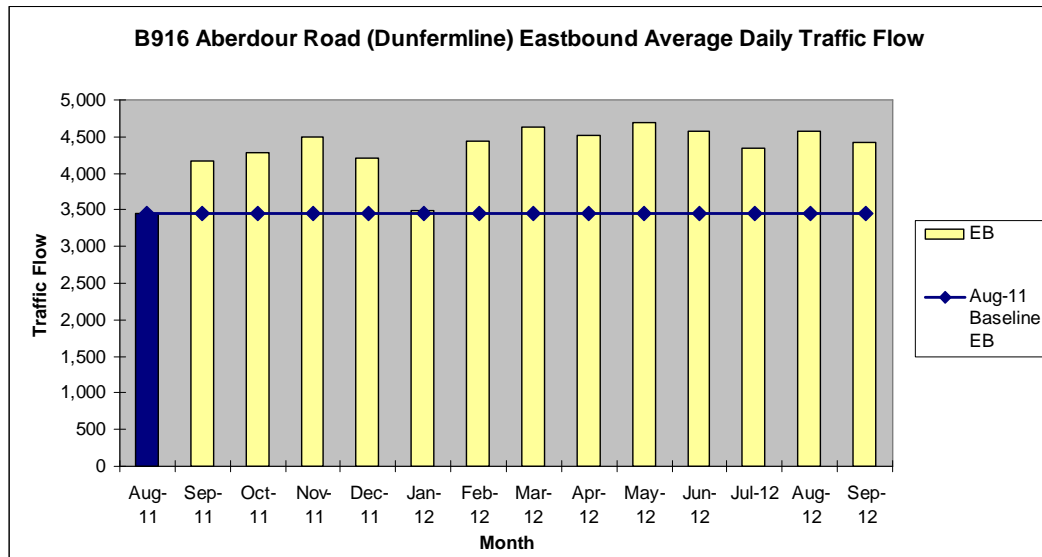


Figure 5-77 Monthly Eastbound AADTs on the B916 Aberdour Road (Dunfermline)

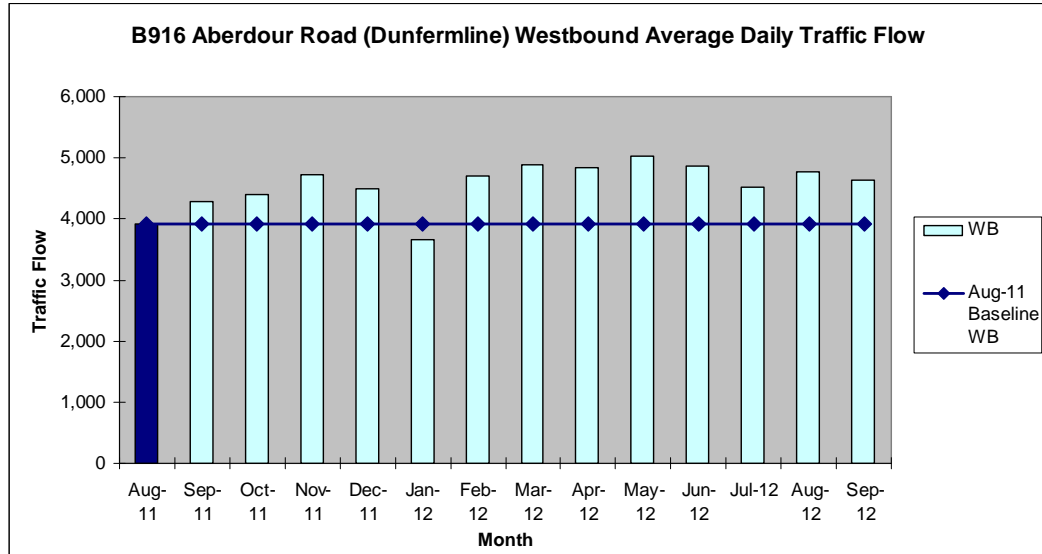


Figure 5-78 Monthly Westbound AADTs on the B916 Aberdour Road (Dunfermline)

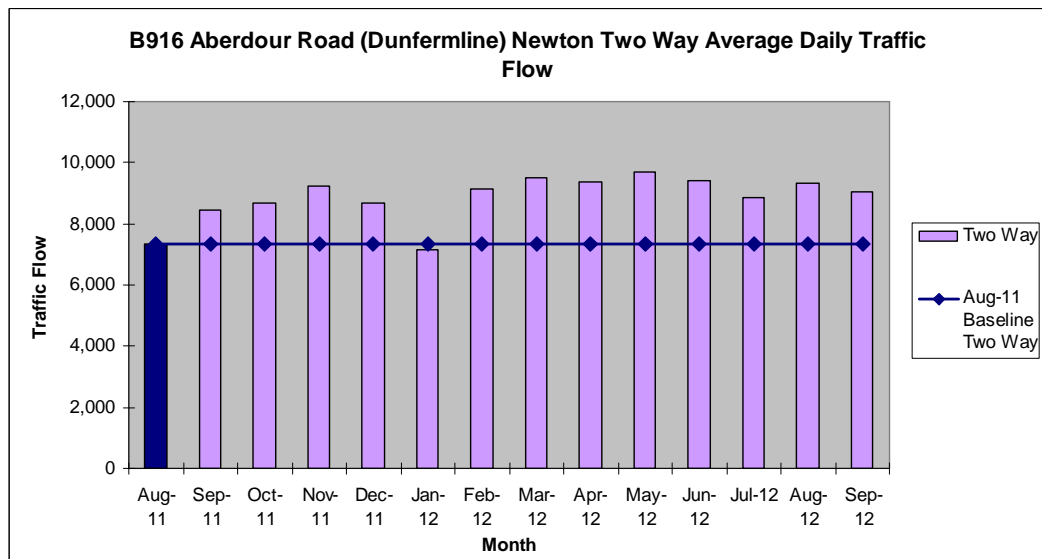


Figure 5-79 Monthly Two Way Daily Traffic Flows on the B916 Aberdour Road (Dunfermline)

5.5.2 Monthly Average AM Peak Traffic Flows

Table 5-30 Site: JTC00582 AM Peak Traffic Flows – August 2011 to September 2012

Counter	Location	Date	EB	WB	Two Way
JTC00582	B916 Aberdour Road (Dunfermline)	Aug-11	524	637	1,162
		Sep-11	759	744	1,502
		Oct-11	720	696	1,416
		Nov-11	703	641	1,344
		Dec-11	556	539	1,095
		Jan-12	461	395	857
		Feb-12	690	632	1,322
		Mar-12	731	704	1,435
		Apr-12	741	781	1,522
		May-12	818	864	1,682
		Jun-12	766	800	1,566
		Jul-12	715	659	1,375
		Aug-12	794	772	1,566
		Sep-12	785	786	1,571
	Annual Average		682	674	1,356

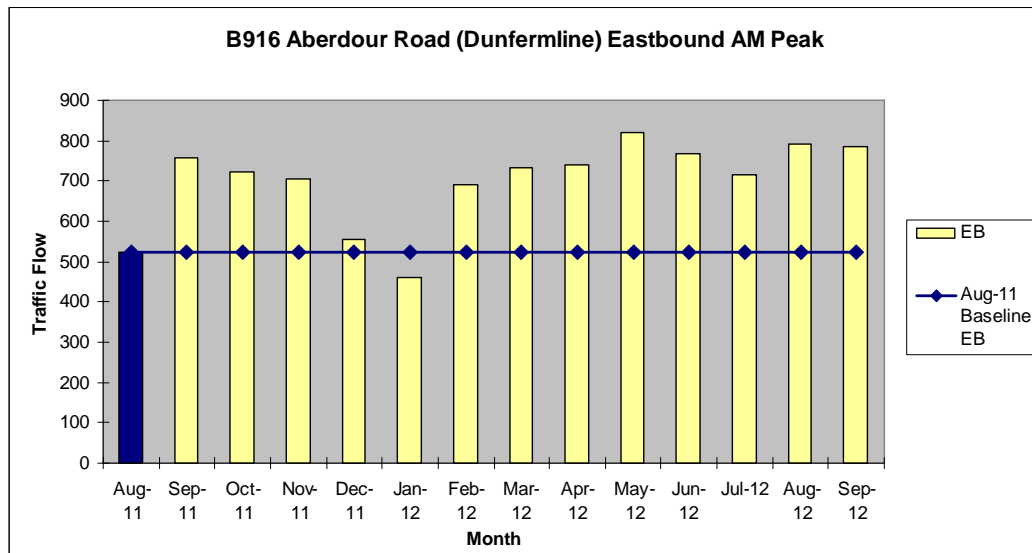


Figure 5-80 Monthly Eastbound AM Peak Flows on the B916 Aberdour Road (Dunfermline)

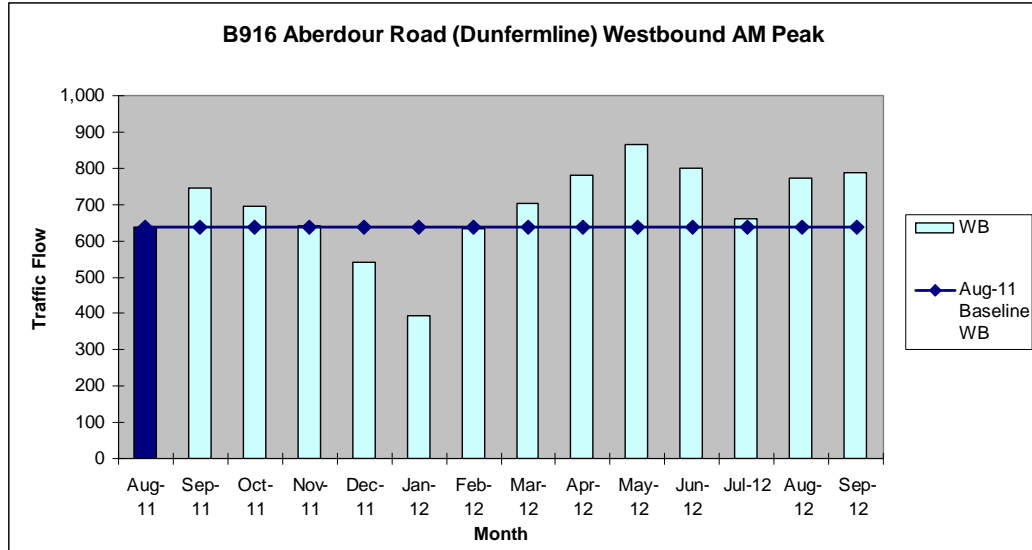


Figure 5-81 Monthly Westbound AM Peak Flows on the B916 Aberdour Road (Dunfermline)

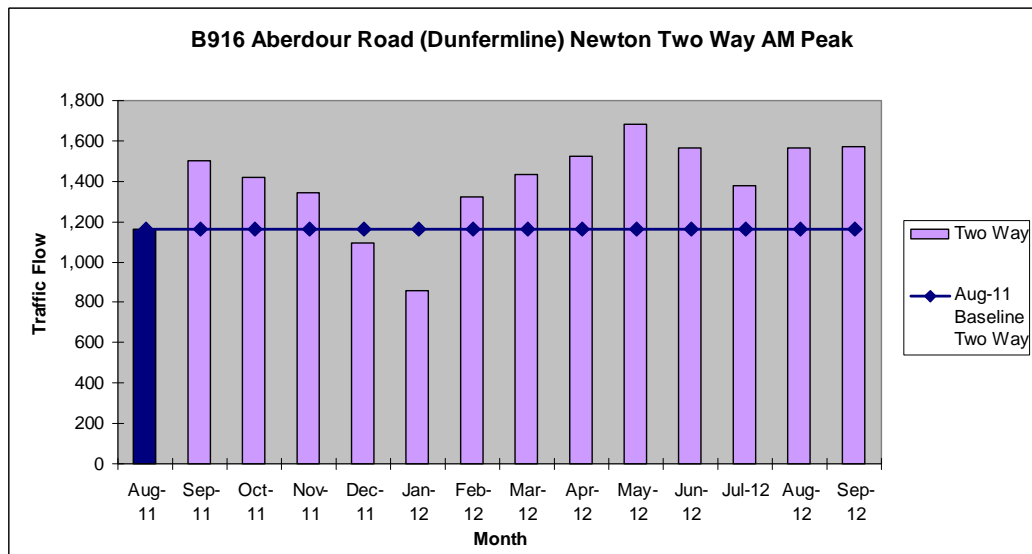


Figure 5-82 Monthly Two Way AM Peak Flows on the B916 Aberdour Road (Dunfermline)

5.5.3 Monthly Average PM Peak Traffic Flows

Table 5-31 Site: JTC00582 PM Peak Traffic Flows – August 2011 to September 2012

Counter	Location	Date	EB	WB	Two Way
JTC00582	B916 Aberdour Road (Dunfermline)	Aug-11	799	996	1,794
		Sep-11	945	1,169	2,115
		Oct-11	965	1,181	2,146
		Nov-11	1,048	1,219	2,268
		Dec-11	946	1,104	2,050
		Jan-12	876	991	1,867
		Feb-12	1,023	1,227	2,251
		Mar-12	1,057	1,273	2,330
		Apr-12	961	1,276	2,237
		May-12	974	1,319	2,293
		Jun-12	957	1,245	2,202
		Jul-12	919	1,200	2,119
		Aug-12	972	1,278	2,251
		Sep-12	948	1,234	2,182
		Annual Average			956

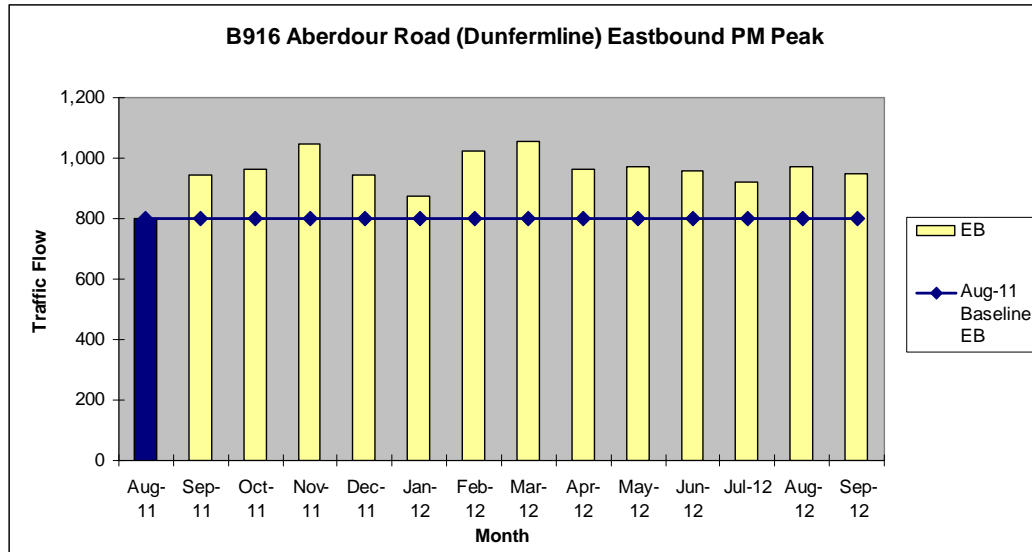


Figure 5-83 Monthly Eastbound PM Peak Flows on the B916 Aberdour Road (Dunfermline)

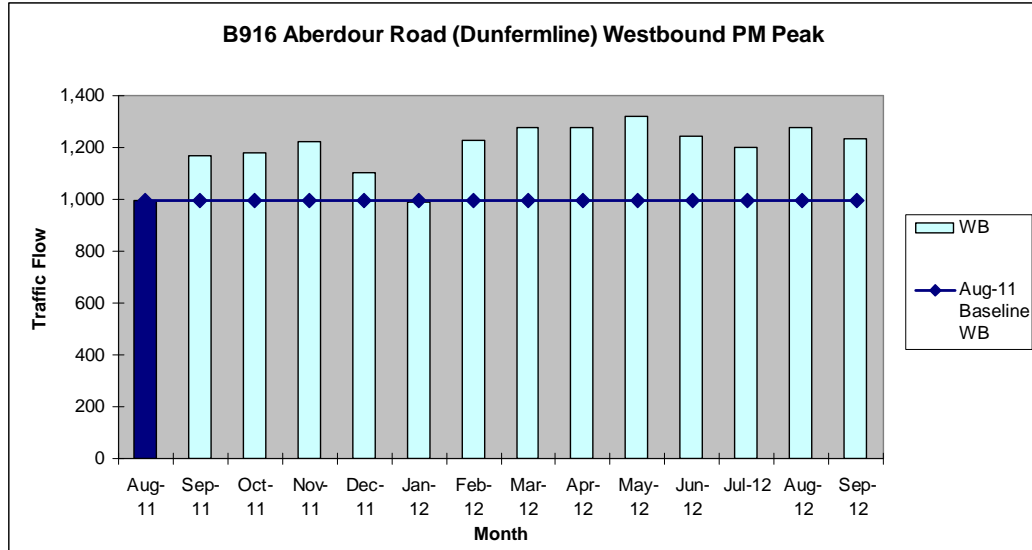


Figure 5-84 Monthly Westbound PM Peak Flows on the B916 Aberdour Road (Dunfermline)

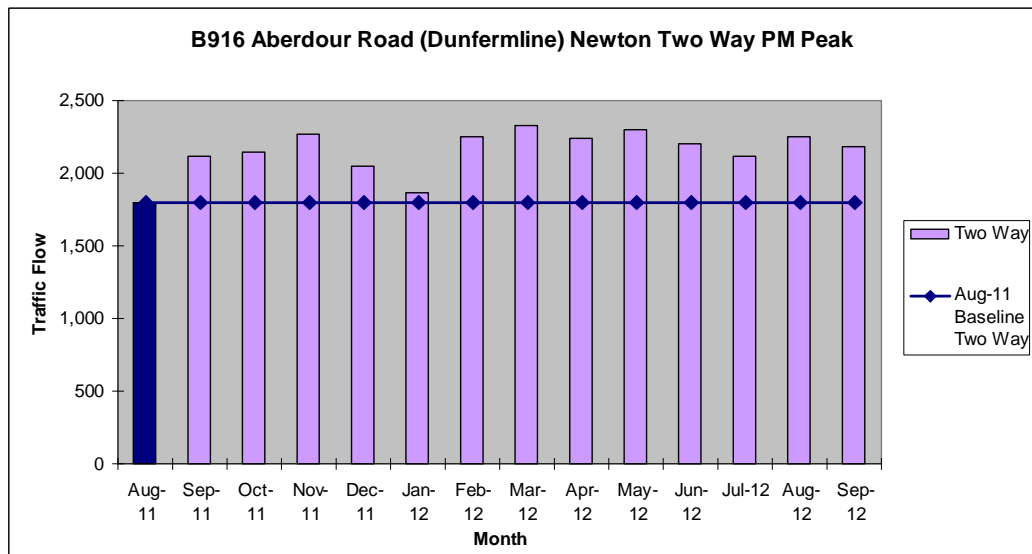


Figure 5-85 Monthly Two Way PM Peak Flows on the B916 Aberdour Road (Dunfermline)

5.5.4 Monthly Average HGV Flows

Table 5-32 Site: JTC00582 Annual HGV Traffic Flows – August 2011 to September 2012

Counter	Location	Date	EB	WB	Two Way
JTC00582	B916 Aberdour Road (Dunfermline)	Aug-11	50	51	101
		Sep-11	19	18	37
		Oct-11	23	21	43
		Nov-11	22	18	41
		Dec-11	22	19	41
		Jan-12	15	13	28
		Feb-12	22	19	41
		Mar-12	21	19	40
		Apr-12	23	20	43
		May-12	26	21	47
		Jun-12	23	21	44
		Jul-12	22	19	41
		Aug-12	21	18	39
		Sep-12	21	18	39
				Annual Average	24

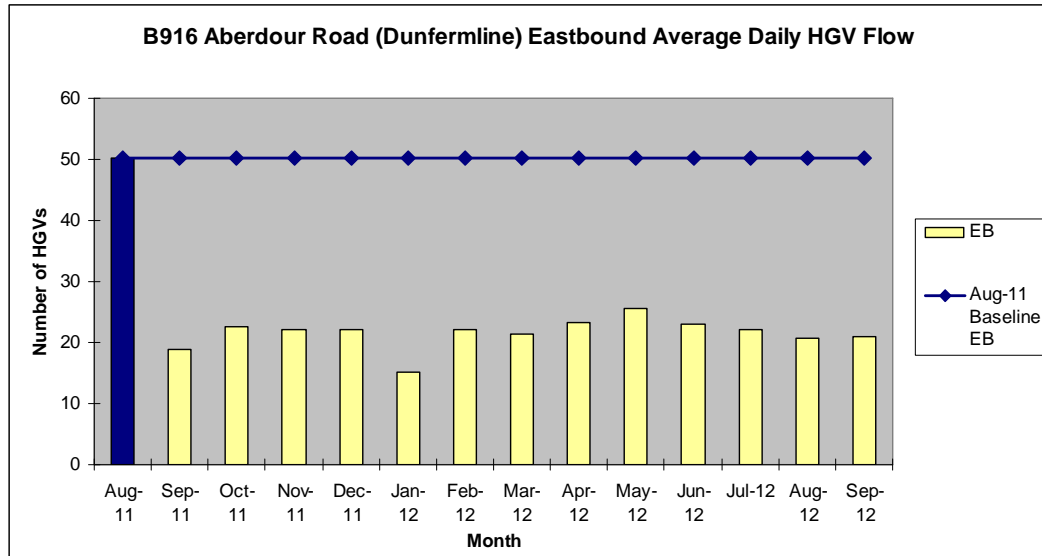


Figure 5-86 Monthly Eastbound HGV Flows on the B916 Aberdour Road (Dunfermline)

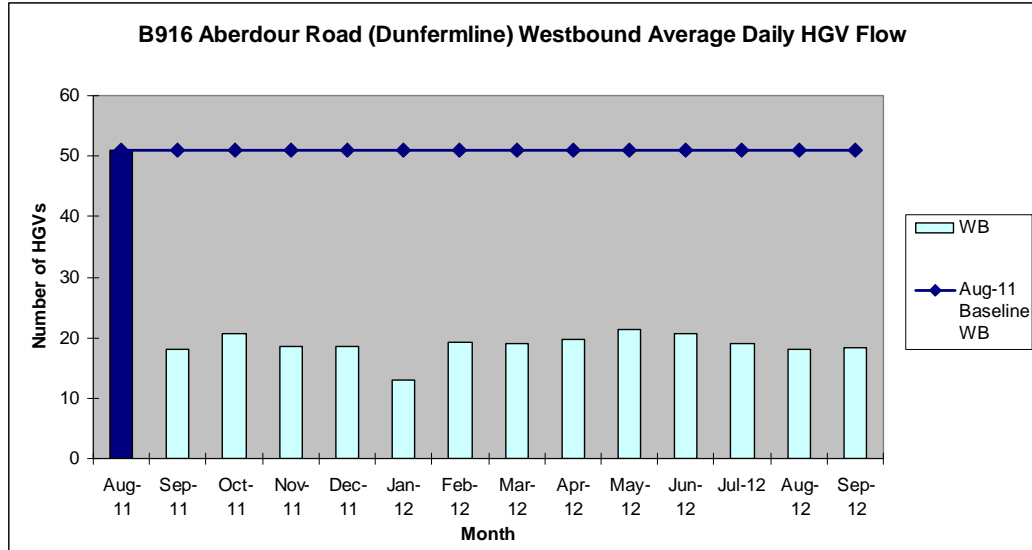


Figure 5-87 Monthly Westbound HGVS Flows on the B916 Aberdour Road (Dunfermline)

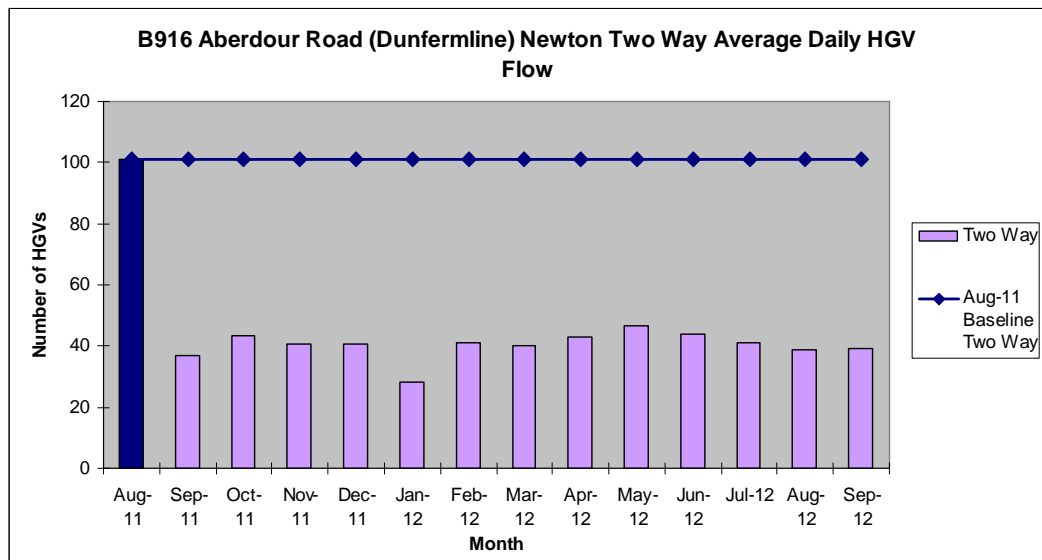


Figure 5-88 Monthly Two Way HGVS Flows on the B916 Aberdour Road (Dunfermline)

5.5.5 Monthly Average AM Peak HGV Flows

Table 5-33 Site: JTC00582 AM Peak HGV Traffic Flows – August 2011 to September 2012

Counter	Location	Date	EB	WB	Two Way
JTC00582	B916 Aberdour Road (Dunfermline)	Aug-11	11	14	25
		Sep-11	2	3	6
		Oct-11	4	4	7
		Nov-11	3	2	5
		Dec-11	4	2	6
		Jan-12	3	2	5
		Feb-12	4	3	6
		Mar-12	3	3	6
		Apr-12	4	4	8
		May-12	4	4	8
		Jun-12	4	4	8
		Jul-12	4	4	8
		Aug-12	4	4	7
		Sep-12	4	4	8
		Annual Average			4

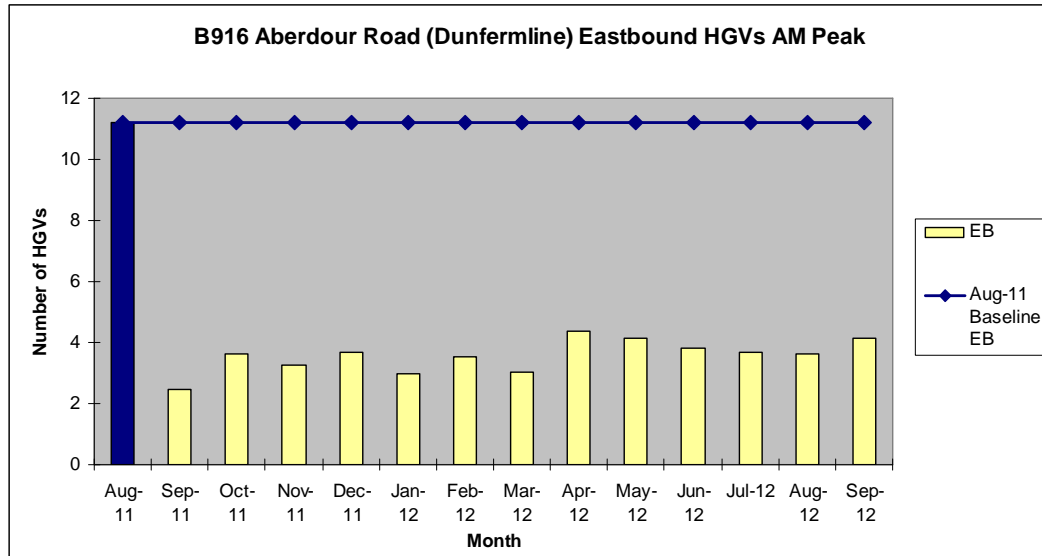


Figure 5-89 Monthly Eastbound AM Peak HGV Flows on the B916 Aberdour Road (Dunfermline)

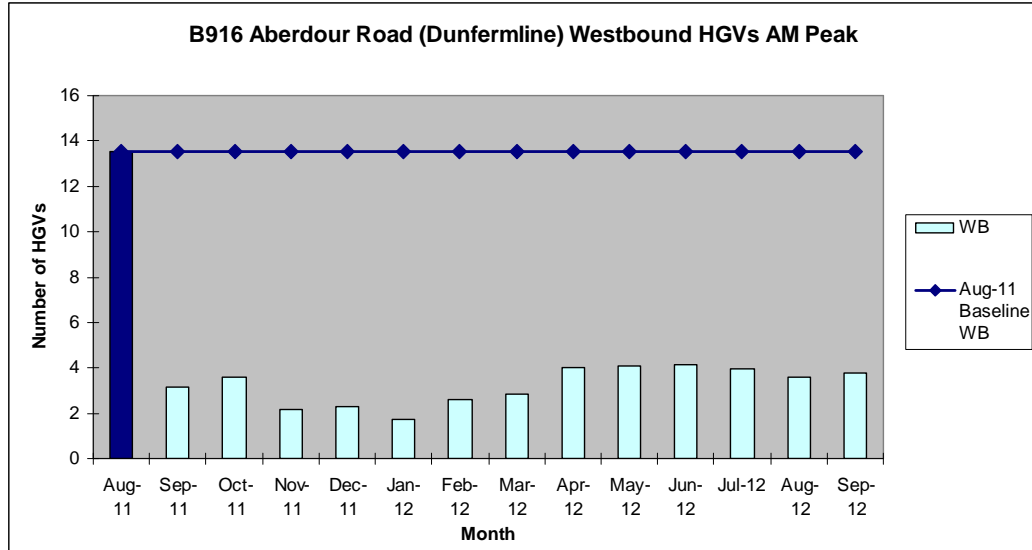


Figure 5-90 Monthly Westbound AM Peak HGVS Flows on the B916 Aberdour Road (Dunfermline)

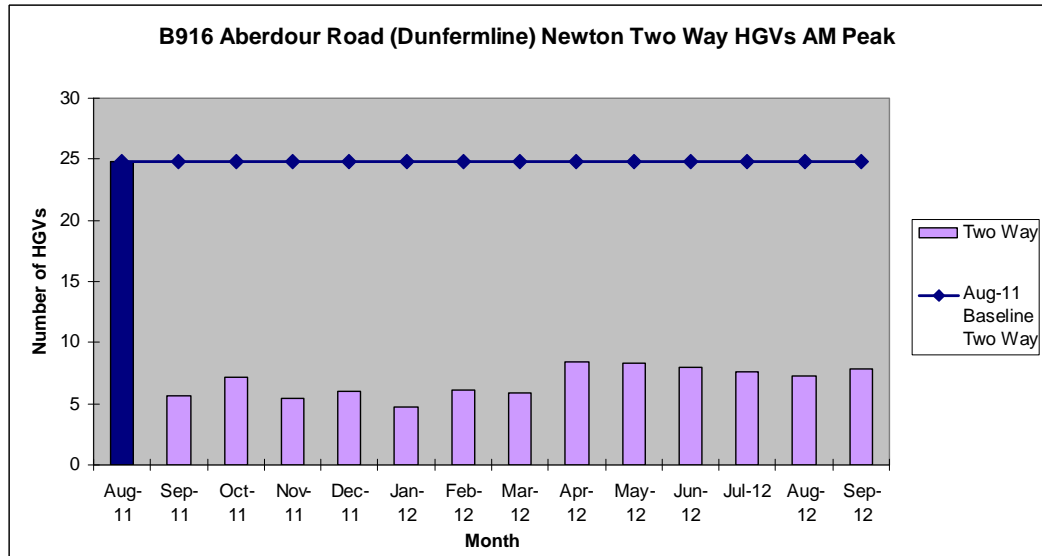


Figure 5-91 Monthly Two Way AM Peak HGVS Flows on the B916 Aberdour Road (Dunfermline)

5.5.6 Monthly Average PM Peak HGV Flows

Table 5-34 Site: JTC00582 PM Peak HGV Traffic Flows – August 2011 to September 2012

Counter	Location	Date	EB	WB	Two Way
JTC00582	B916 Aberdour Road (Dunfermline)	Aug-11	5	8	13
		Sep-11	3	4	7
		Oct-11	4	4	8
		Nov-11	4	3	7
		Dec-11	4	4	8
		Jan-12	3	3	6
		Feb-12	4	3	7
		Mar-12	4	3	7
		Apr-12	4	4	8
		May-12	4	4	9
		Jun-12	4	5	8
		Jul-12	4	3	7
		Aug-12	3	3	6
		Sep-12	3	4	7
		Annual Average			4

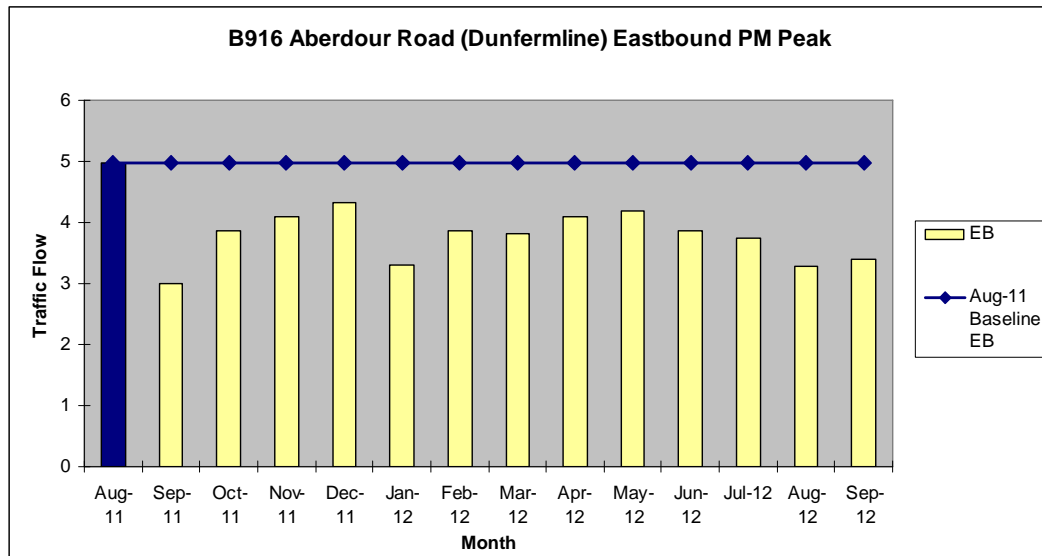


Figure 5-92 Monthly Eastbound PM HGV Peak Flows on the B916 Aberdour Road (Dunfermline)

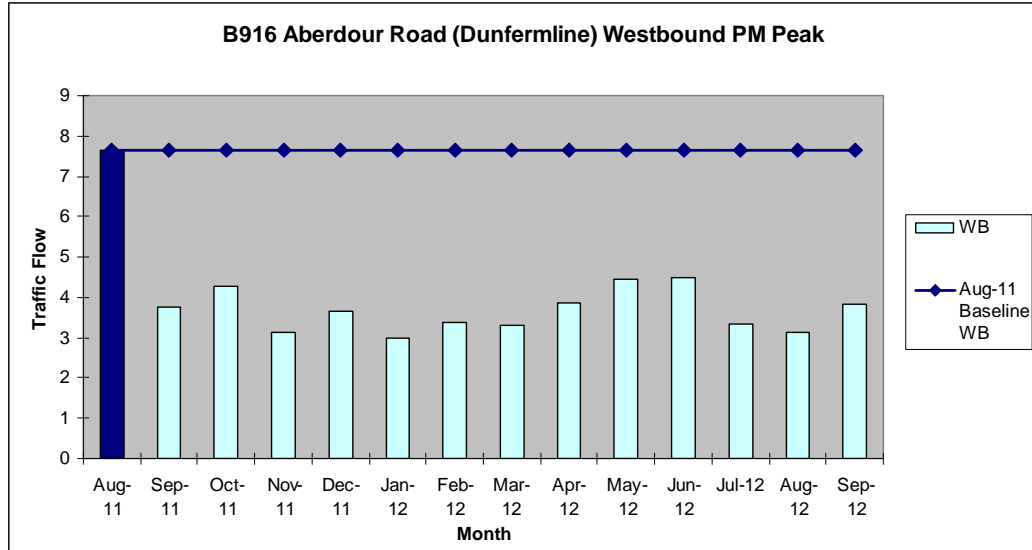


Figure 5-93 Monthly Westbound PM Peak HGV Flows on the B916 Aberdour Road (Dunfermline)

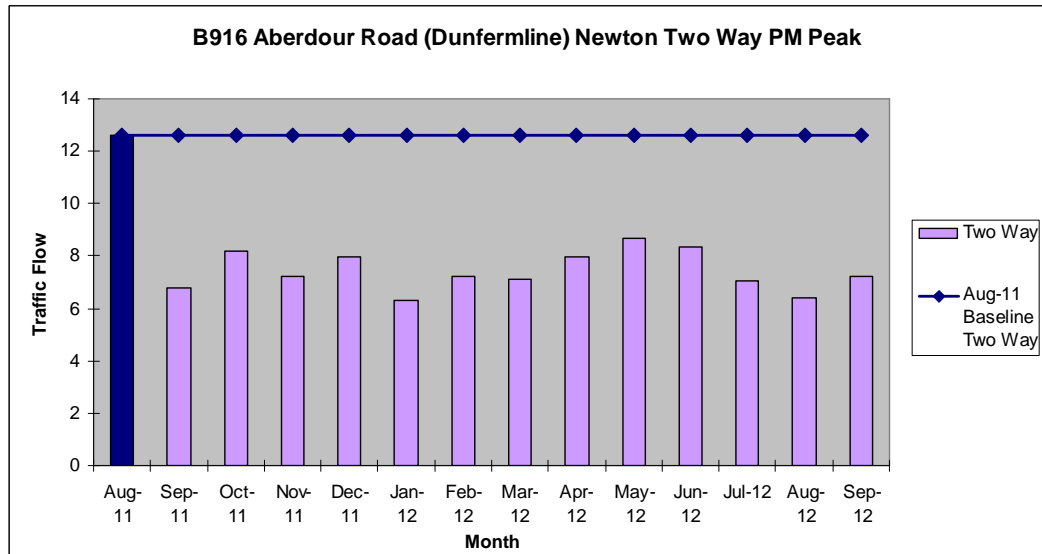


Figure 5-94 Monthly Two Way PM Peak HGV Flows on the B916 Aberdour Road (Dunfermline)

5.5.7 Monthly Average All Vehicles Traffic Speeds

Table 5-35 Site: JTC00582 Average Monthly Traffic Speeds (KPH) (All Vehicles) – August 2011 to September 2012

Counter	Location	Date	EB	WB
JTC00582	B916 Aberdour Road (Dunfermline)	Aug-11	59	60
		Sep-11	64	64
		Oct-11	64	64
		Nov-11	64	63
		Dec-11	63	62
		Jan-12	63	61
		Feb-12	64	63
		Mar-12	64	63
		Apr-12	64	64
		May-12	64	65
		Jun-12	65	65
		Jul-12	64	63
		Aug-12	63	63
Sep-12	63	62		

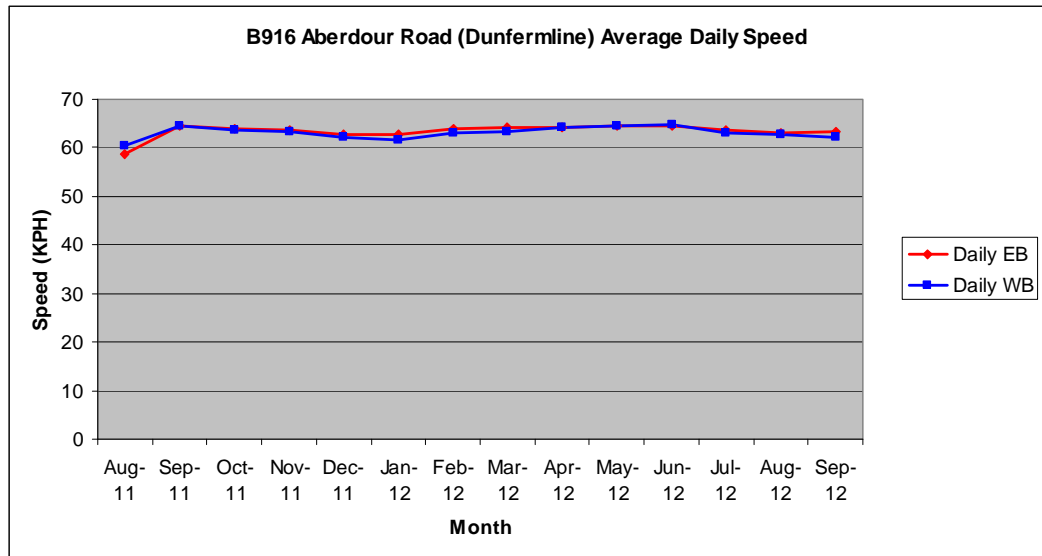


Figure 5-95 Average Monthly Traffic Speeds (KPH) on the B916 Aberdour Road (Dunfermline)

5.6 Traffic Counter JTC00583 – B981 Inverkeithing Road (Crossgates)

5.6.1 Monthly Average Traffic Flows

Table 3-36 Site: JTC00583 Annual Traffic Flows – August 2011 to September 2012

Counter	Location	Date	NB	SB	Two Way
JTC00583	B981 Inverkeithing Road (Crossgates)	Aug-11	2,339	2,629	4,968
		Sep-11	2,706	3,026	5,732
		Oct-11	3,232	3,667	6,900
		Nov-11	3,392	3,859	7,251
		Dec-11	2,994	3,336	6,330
		Jan-12	2,879	3,351	6,229
		Feb-12	3,330	3,813	7,143
		Mar-12	2,579	2,997	5,576
		Apr-12	3,272	3,913	7,185
		May-12	3,495	4,132	7,627
		Jun-12	3,462	4,004	7,466
		Jul-12	3,181	3,683	6,864
		Aug-12	2,903	3,464	6,367
		Sep-12	No Data	No Data	No Data
Annual Average			3,072	3,534	6,606

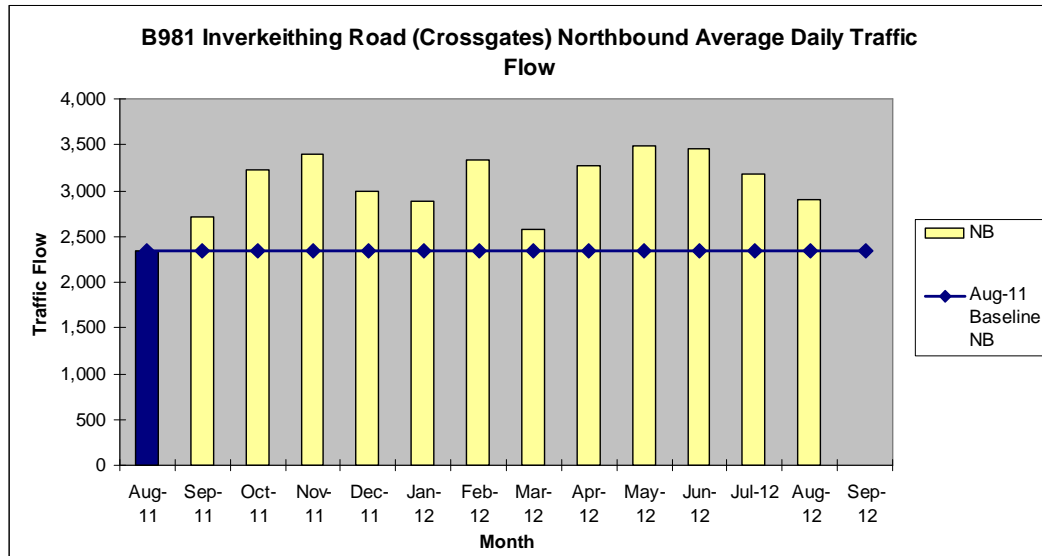


Figure 5-96 Monthly Northbound AADTs on the B981 Inverkeithing Road (Crossgates)

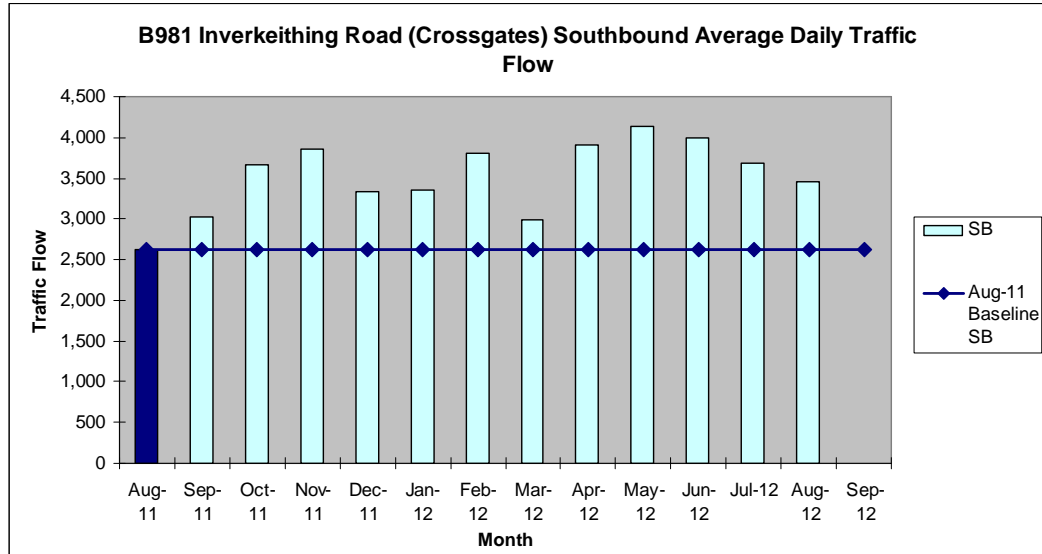


Figure 5-97 Monthly Southbound AADTs on the B981 Inverkeithing Road (Crossgates)

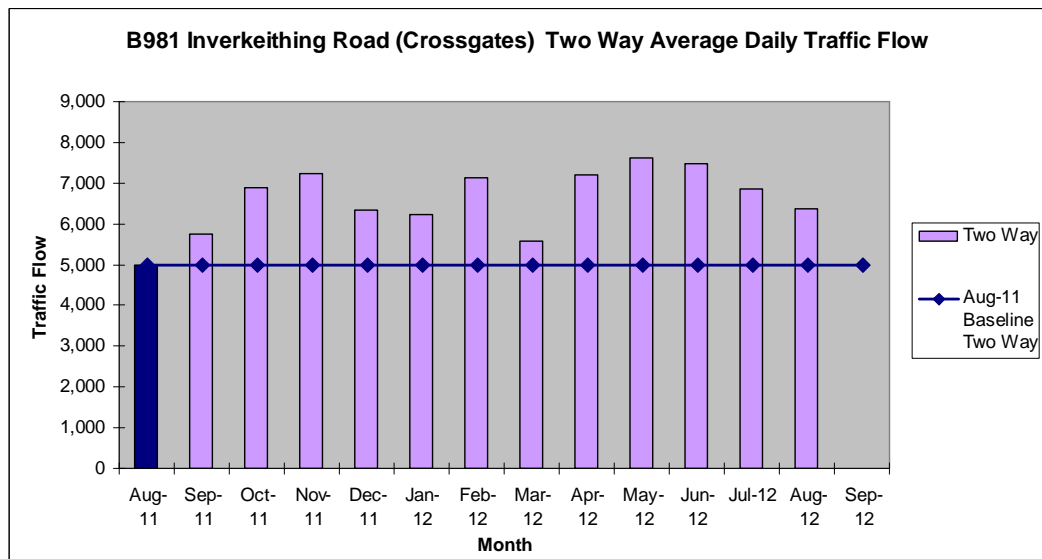


Figure 5-98 Monthly Two Way Daily Traffic Flows on the B981 Inverkeithing Road (Crossgates)

5.6.2 Monthly Average AM Peak Traffic Flows

Table 5-37 Site: JTC00583 AM Peak Traffic Flows – August 2011 to September 2012

Counter	Location	Date	NB	SB	Two Way
JTC00583	B981 Inverkeithing Road (Crossgates)	Aug-11	332	597	929
		Sep-11	421	741	1,162
		Oct-11	460	860	1,320
		Nov-11	441	990	1,432
		Dec-11	340	719	1,059
		Jan-12	345	836	1,181
		Feb-12	417	970	1,387
		Mar-12	403	793	1,196
		Apr-12	514	932	1,446
		May-12	553	1,024	1,577
		Jun-12	528	955	1,483
		Jul-12	446	831	1,277
		Aug-12	422	790	1,212
		Sep-12	No Data	No Data	No Data
Annual Average			433	854	1,287

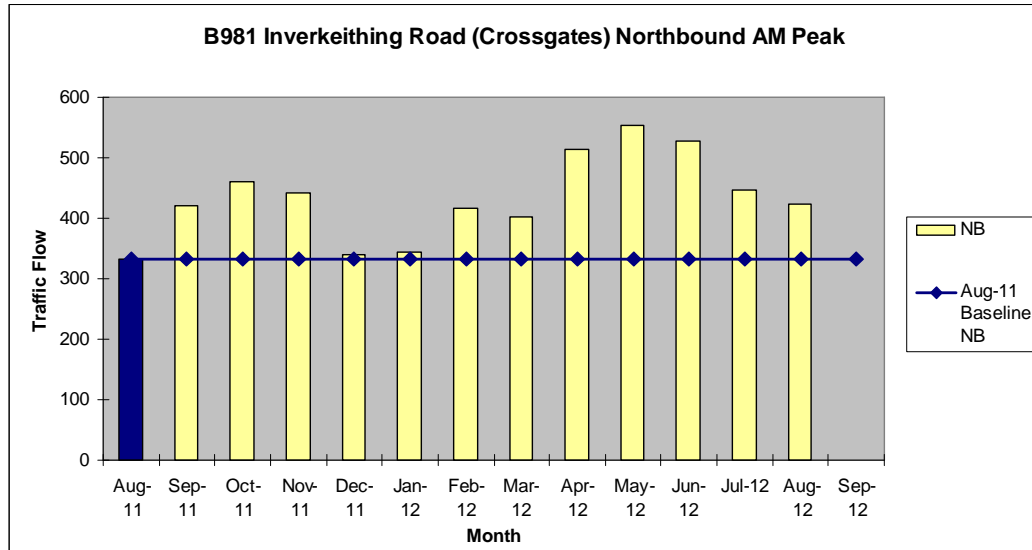


Figure 5-99 Monthly Northbound AM Peak Flows on the B981 Inverkeithing Road (Crossgates)

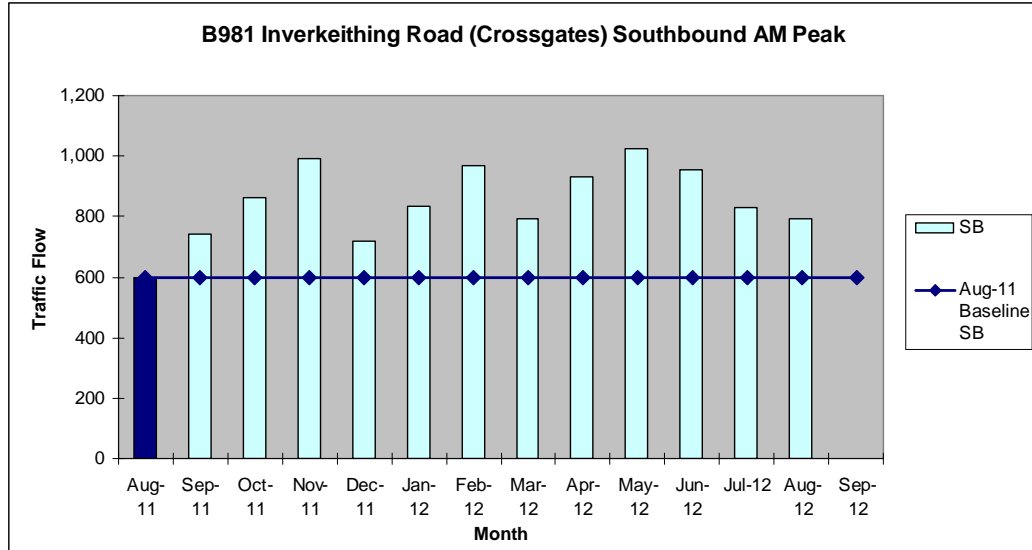


Figure 5-100 Monthly Southbound AM Peak Flows on the B981 Inverkeithing Road (Crossgates)

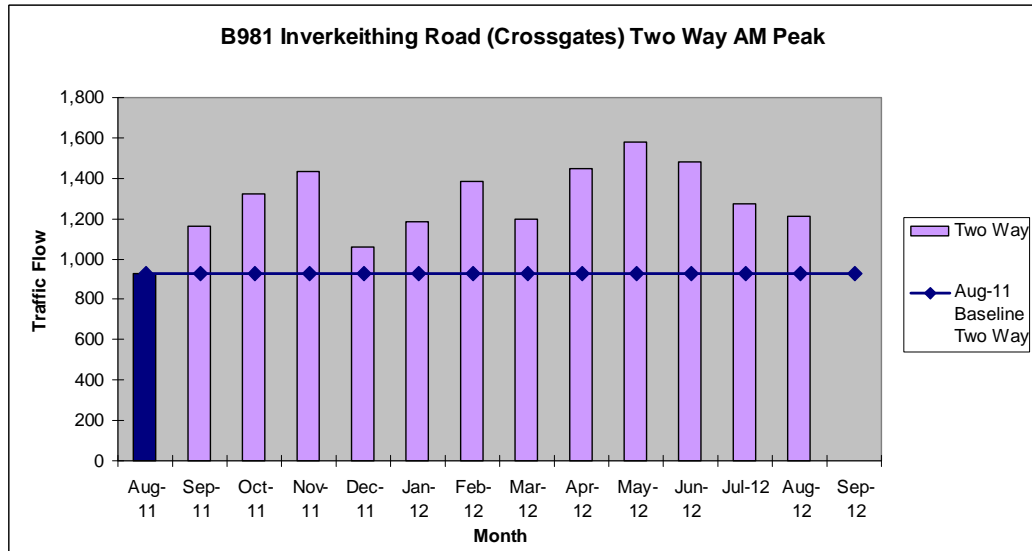


Figure 5-101 Monthly Two Way AM Peak Flows on the B981 Inverkeithing Road (Crossgates)

5.6.3 Monthly Average PM Peak Traffic Flows

Table 5-38 Site: JTC00583 PM Peak Traffic Flows – August 2011 to September 2012

Counter	Location	Date	EB	WB	Two Way
JTC00583	B981 Inverkeithing Road (Crossgates)	Aug-11	647	576	1,223
		Sep-11	761	668	1,428
		Oct-11	922	797	1,719
		Nov-11	954	868	1,822
		Dec-11	800	760	1,560
		Jan-12	811	743	1,554
		Feb-12	957	861	1,818
		Mar-12	629	595	1,224
		Apr-12	871	862	1,733
		May-12	932	890	1,821
		Jun-12	921	850	1,771
		Jul-12	847	779	1,626
		Aug-12	784	752	1,536
		Sep-12	No Data	No Data	No Data
		Annual Average	838	771	1,608

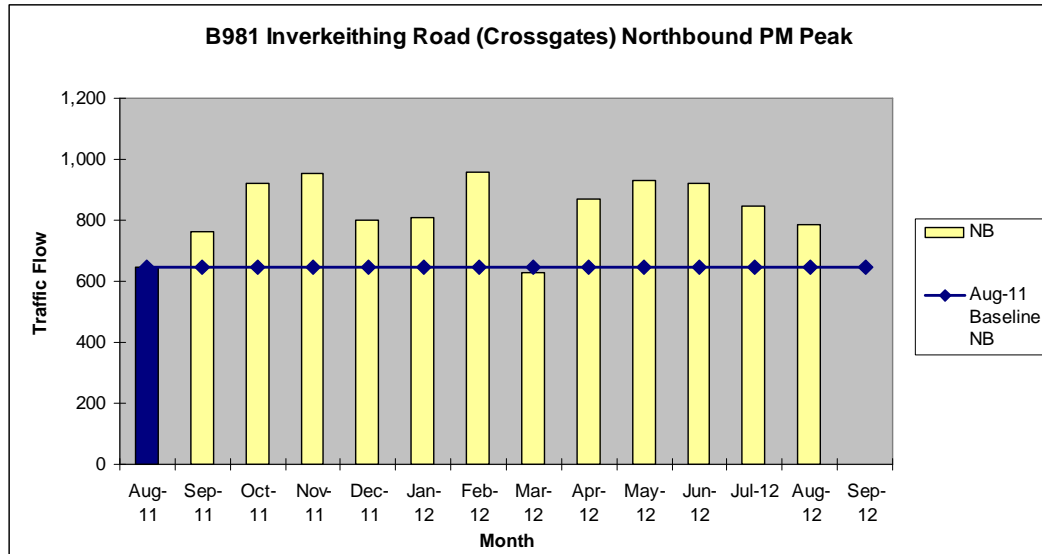


Figure 5-102 Monthly Eastbound PM Peak Flows on the B981 Inverkeithing Road (Crossgates)

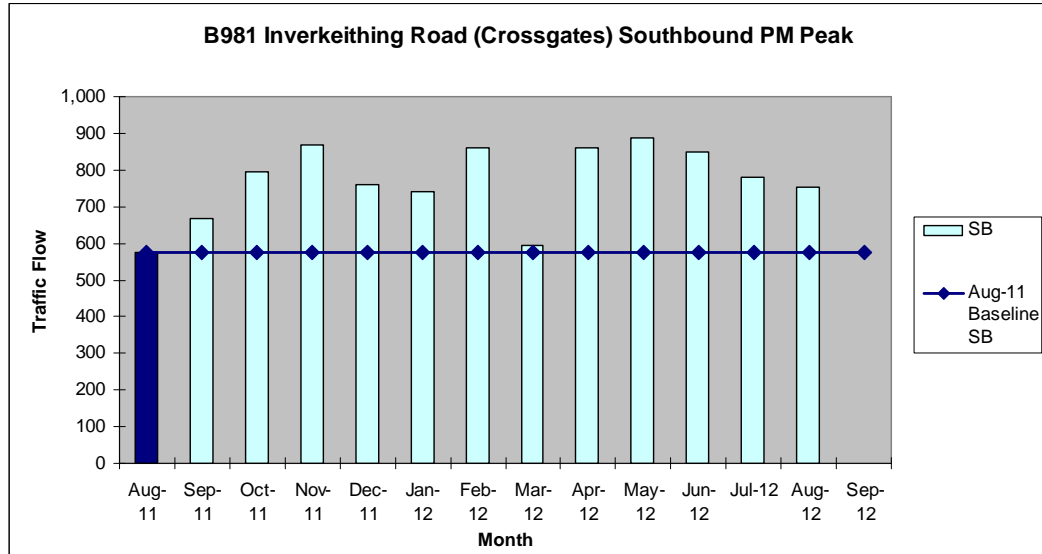


Figure 5-103 Monthly Westbound PM Peak Flows on the B981 Inverkeithing Road (Crossgates)

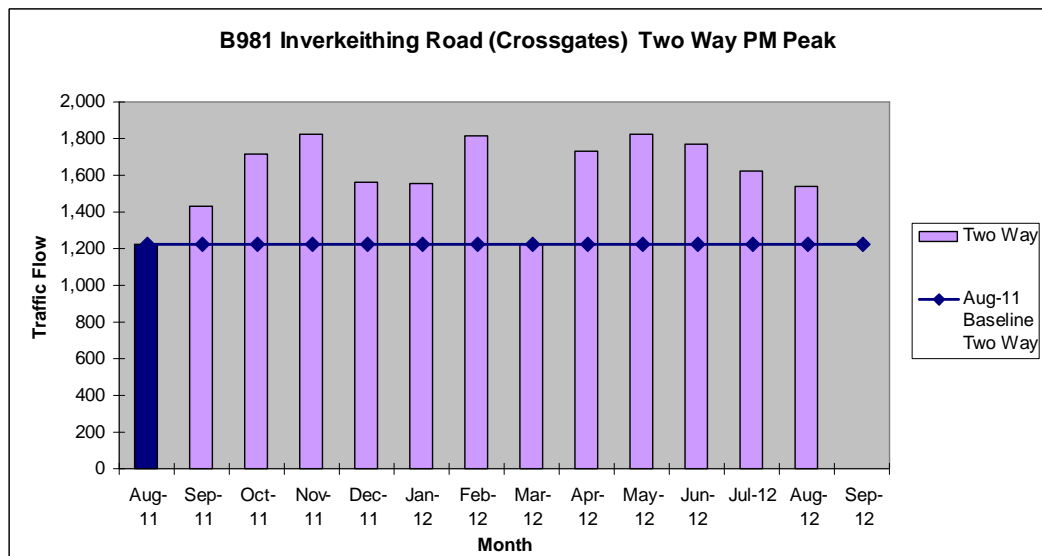


Figure 5-104 Monthly Two Way PM Peak Flows on the B981 Inverkeithing Road (Crossgates)

5.6.4 Monthly Average HGV Flows

Table 5-39 Site: JTC00583 Annual HGV Traffic Flows – August 2011 to September 2012

Counter	Location	Date	NB	SB	Two Way
JTC00583	B981 Inverkeithing Road (Crossgates)	Aug-11	9	5	14
		Sep-11	14	9	23
		Oct-11	18	11	29
		Nov-11	19	10	29
		Dec-11	15	7	22
		Jan-12	15	9	23
		Feb-12	21	13	34
		Mar-12	17	10	27
		Apr-12	24	17	41
		May-12	24	19	43
		Jun-12	25	20	44
		Jul-12	21	19	40
		Aug-12	19	17	36
		Sep-12	No Data	No Data	No Data
		Annual Average	18	12	31

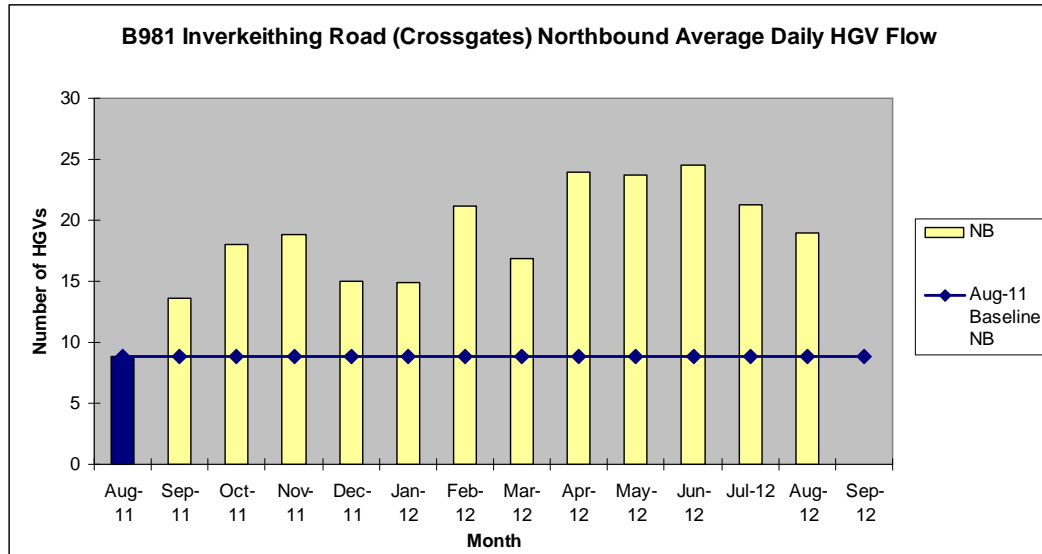


Figure 5-105 Monthly Northbound HGV Flows on the B981 Inverkeithing Road (Crossgates)

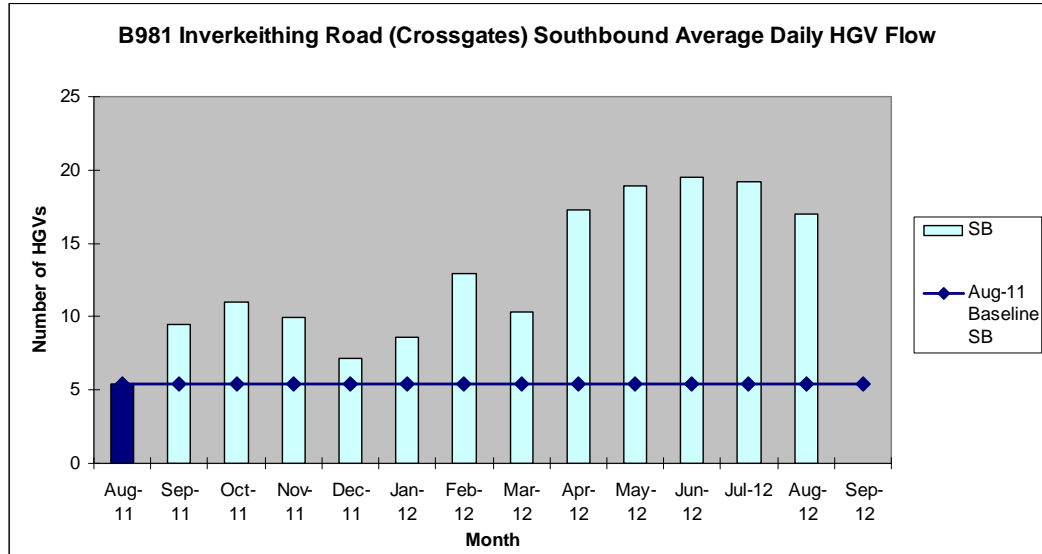


Figure 5-106 Monthly Southbound HGVS Flows on the B981 Inverkeithing Road (Crossgates)

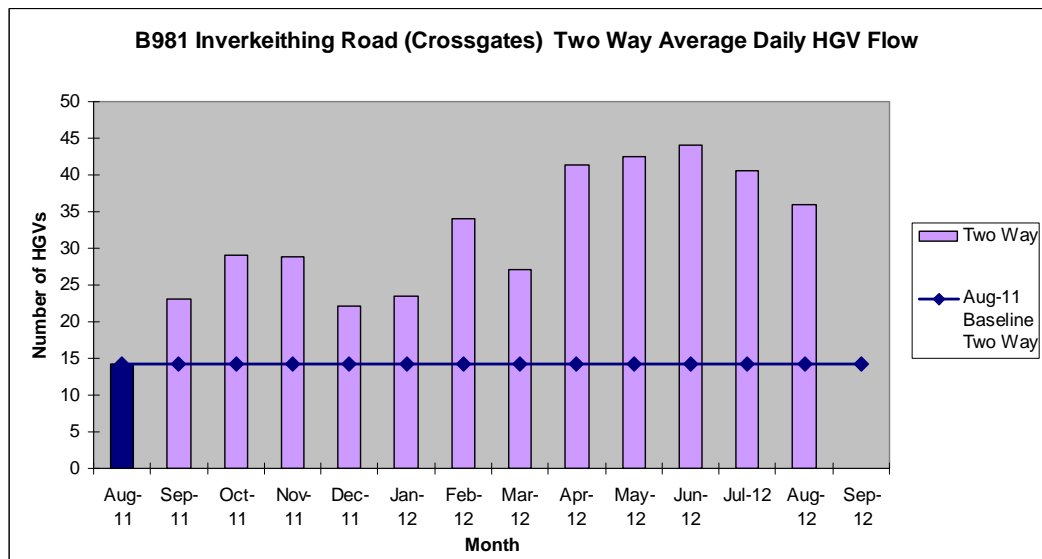


Figure 5-107 Monthly Two Way HGVS Flows on the B981 Inverkeithing Road (Crossgates)

5.6.5 Monthly Average AM Peak HGV Flows

Table 5-40 Site: JTC00583 AM Peak HGV Traffic Flows – August 2011 to September 2012

Counter	Location	Date	NB	SB	Two Way
JTC00583	B981 Inverkeithing Road (Crossgates)	Aug-11	1	1	2
		Sep-11	2	2	4
		Oct-11	3	3	6
		Nov-11	2	2	4
		Dec-11	2	1	3
		Jan-12	1	2	3
		Feb-12	2	2	5
		Mar-12	2	2	4
		Apr-12	5	5	9
		May-12	5	5	10
		Jun-12	4	5	9
		Jul-12	4	5	9
		Aug-12	3	4	8
		Sep-12	No Data	No Data	No Data
		Annual Average	3	3	6

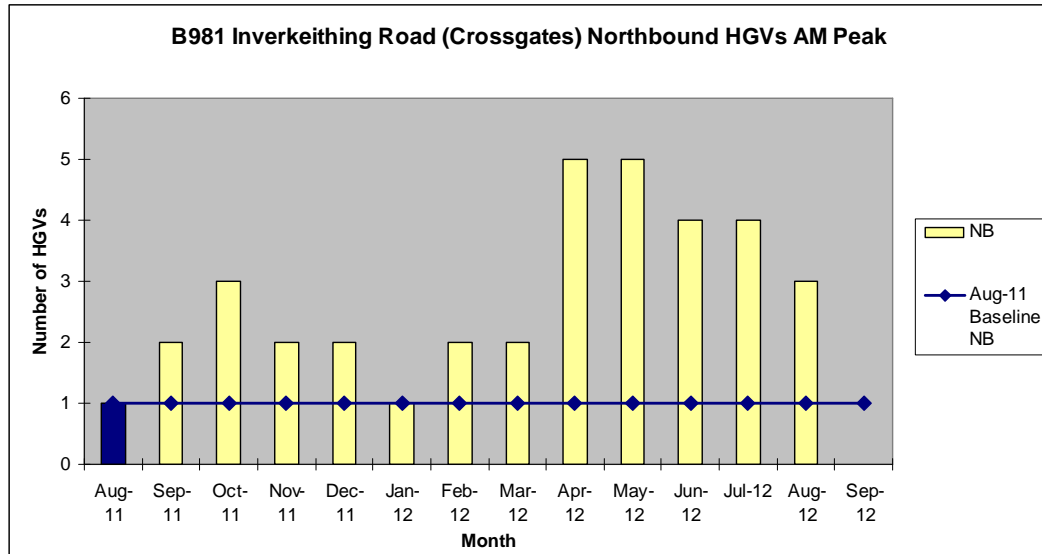


Figure 5-108 Monthly Northbound AM Peak HGV Flows on the B981 Inverkeithing Road (Crossgates)

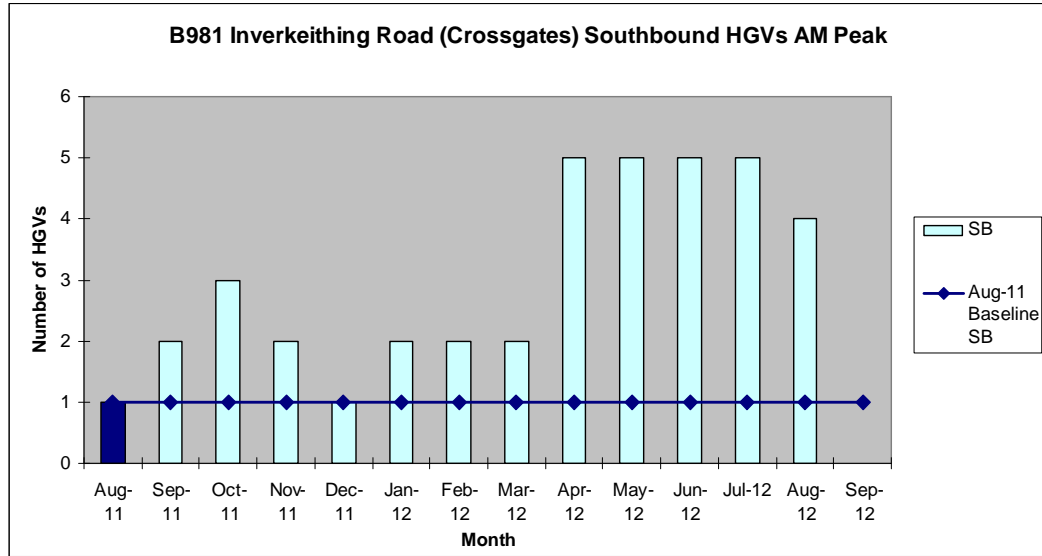


Figure 5-109 Monthly Northbound AM Peak HGV Flows on the B981 Inverkeithing Road (Crossgates)

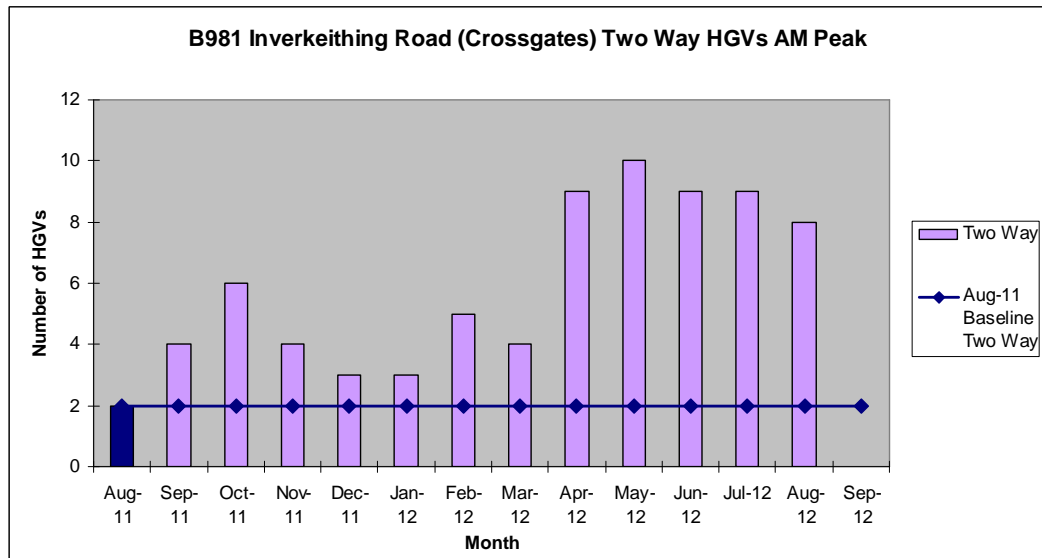


Figure 5-110 Monthly Two Way AM Peak HGV Flows on the B981 Inverkeithing Road (Crossgates)

5.6.6 Monthly Average PM Peak HGV Flows

Table 5-41 Site: JTC00583 PM Peak HGV Traffic Flows – August 2011 to September 2012

Counter	Location	Date	NB	SB	Two Way
JTC00583	B981 Inverkeithing Road (Crossgates)	Aug-11	1	1	2
		Sep-11	2	1	4
		Oct-11	3	1	4
		Nov-11	4	2	5
		Dec-11	3	1	4
		Jan-12	2	1	4
		Feb-12	3	2	5
		Mar-12	2	1	3
		Apr-12	5	2	7
		May-12	3	1	4
		Jun-12	3	2	4
		Jul-12	3	2	5
		Aug-12	2	1	3
		Sep-12	No Data	No Data	No Data
		Annual Average	3	1	4

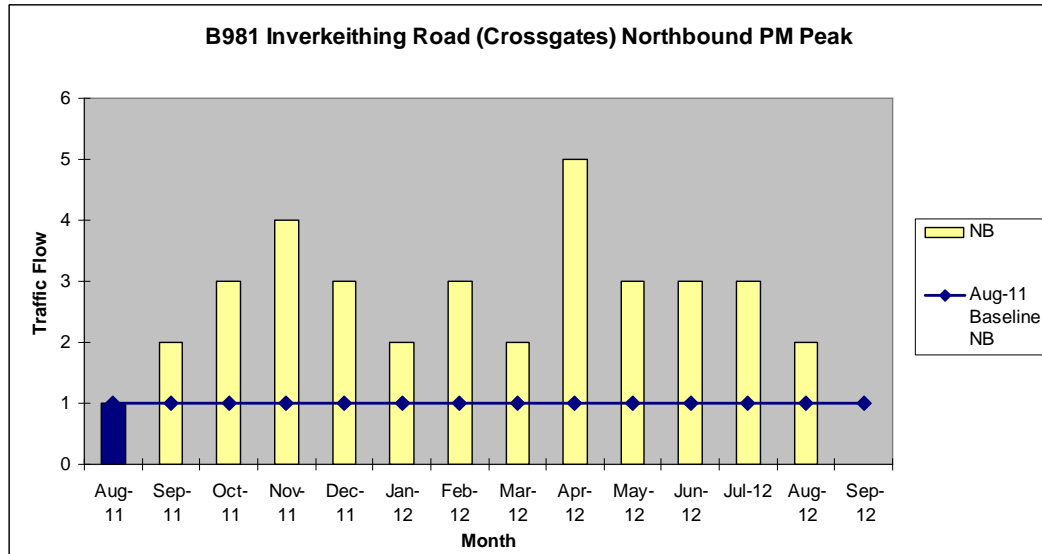


Figure 5-111 Monthly Northbound PM HGV Peak Flows on the B981 Inverkeithing Road (Crossgates)

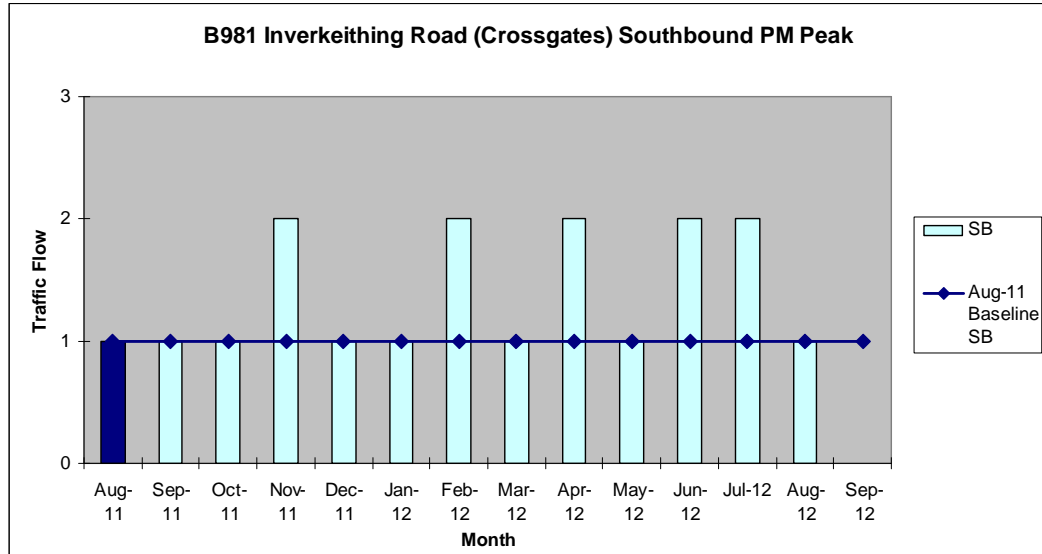


Figure 5-112 Monthly Southbound PM Peak HGV Flows on the B981 Inverkeithing Road (Crossgates)

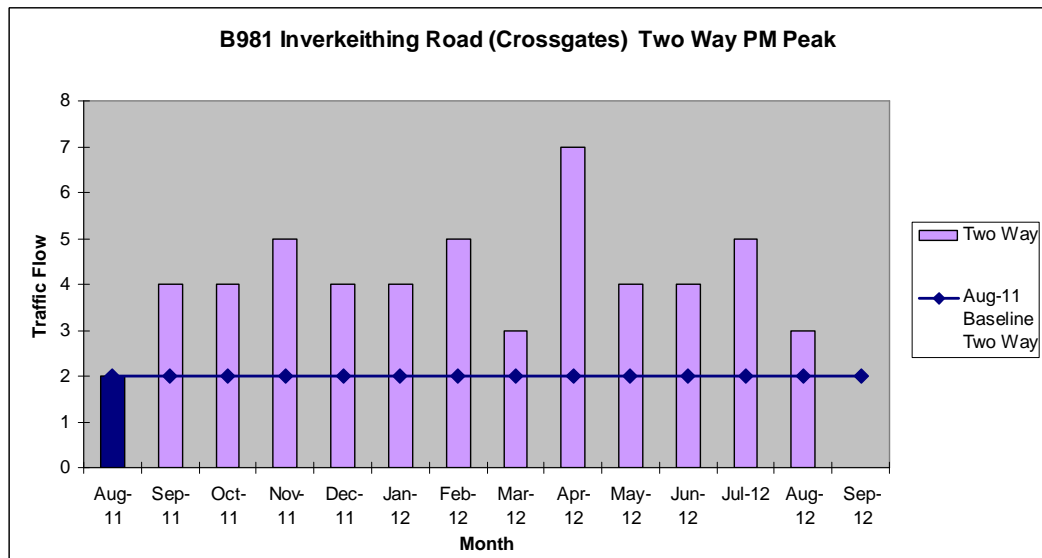


Figure 5-113 Monthly Two Way PM Peak HGV Flows on the B981 Inverkeithing Road (Crossgates)

5.6.7 Monthly Average All Vehicles Traffic Speeds

Table 5-42 Site: JTC00583 Average Monthly Traffic Speeds (KPH) (All Vehicles) – August 2011 to September 2012

Counter	Location	Date	NB	SB
JTC00583	B981 Inverkeithing Road (Crossgates)	Aug-11	61	68
		Sep-11	61	68
		Oct-11	62	68
		Nov-11	61	68
		Dec-11	61	67
		Jan-12	61	67
		Feb-12	62	67
		Mar-12	61	66
		Apr-12	61	66
		May-12	62	66
		Jun-12	63	68
		Jul-12	63	69
		Aug-12	62	67
		Sep-12	No Data	No Data

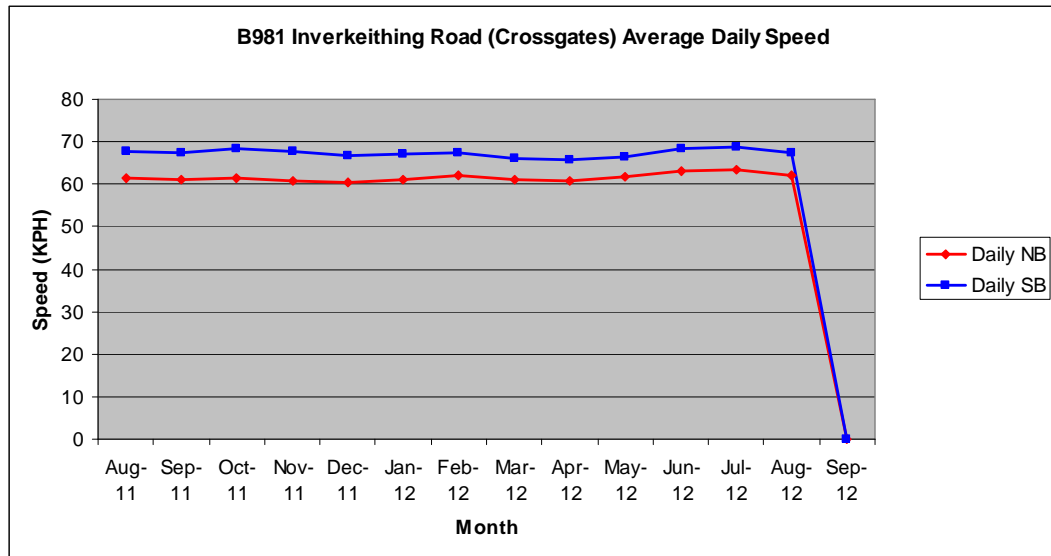


Figure 5-114 Average Monthly Traffic Speeds (KPH) on the B981 Inverkeithing Road (Crossgates)

5.7 Traffic Counter JTC00586 – B980 Castlandhill Road

5.7.1 Monthly Average Traffic Flows

Table 3-43 Site: JTC00586 Annual Traffic Flows – August 2011 to September 2012

Counter	Location	Date	NB	SB	Two Way
JTC00586	B980 Castlandhill Road	Aug-11	1,590	1,612	3,203
		Sep-11	1,358	1,494	2,852
		Oct-11	No Data	No Data	No Data
		Nov-11	No Data	No Data	No Data
		Dec-11	No Data	No Data	No Data
		Jan-12	No Data	No Data	No Data
		Feb-12	1,512	1,580	3,092
		Mar-12	1,713	1,785	3,498
		Apr-12	1,871	2,405	4,277
		May-12	1,816	2,038	3,854
		Jun-12	1,745	1,894	3,639
		Jul-12	1,702	1,779	3,481
		Aug-12	1,697	1,790	3,487
		Sep-12	1,424	1,551	2,975
		Annual Average	1,664	1,823	3,487

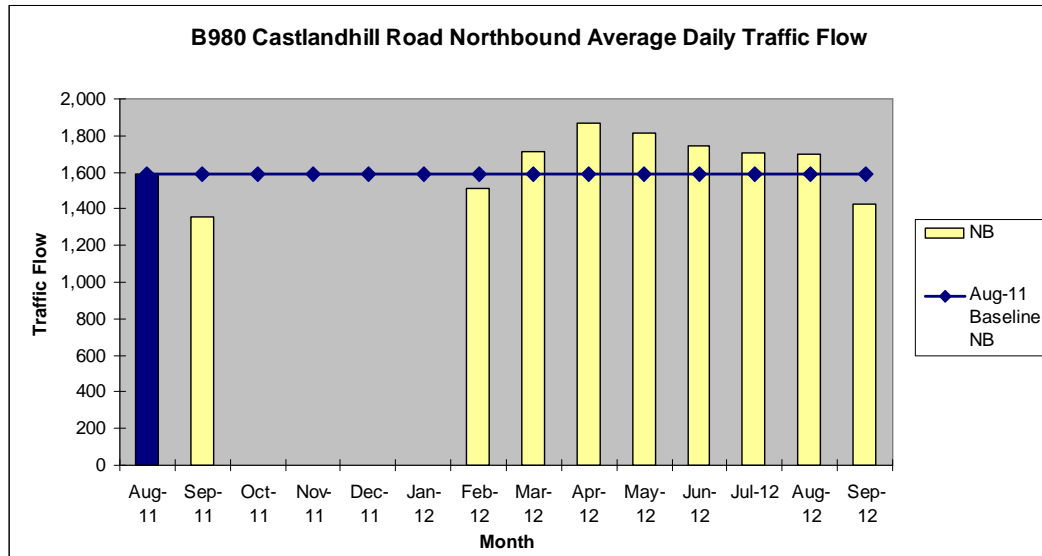


Figure 5-115 Monthly Northbound AADTs on the B980 Castlandhill Road

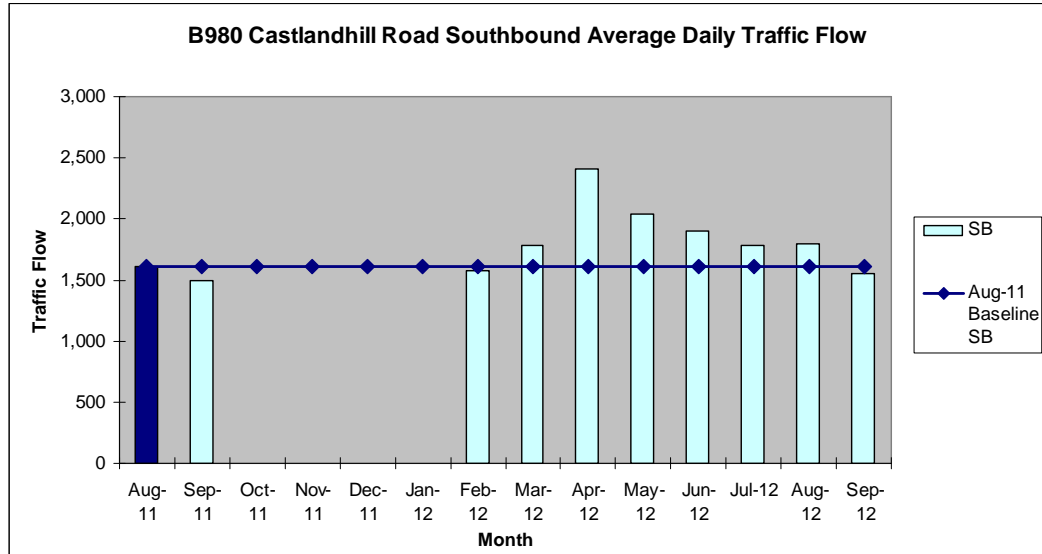


Figure 5-116 Monthly Southbound AADTs on the B980 Castlandhill Road

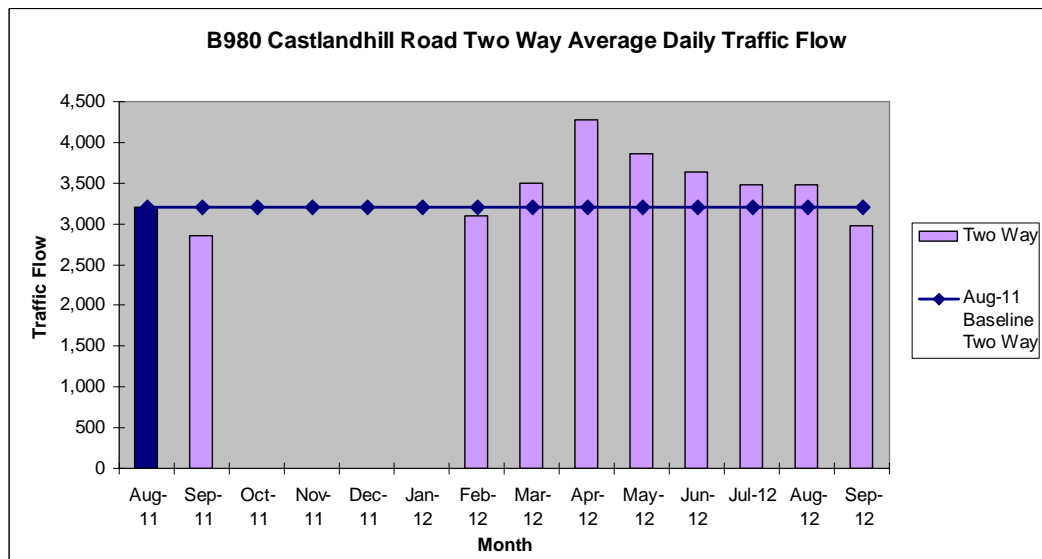


Figure 5-117 Monthly Two Way Daily Traffic Flows on the B980 Castlandhill Road

5.7.2 Monthly Average AM Peak Traffic Flows

Table 5-44 Site: JTC00586 AM Peak Traffic Flows – August 2011 to September 2012

Counter	Location	Date	NB	SB	Two Way
JTC00586	B980 Castlandhill Road	Aug-11	173	437	609
		Sep-11	147	464	611
		Oct-11	No Data	No Data	No Data
		Nov-11	No Data	No Data	No Data
		Dec-11	No Data	No Data	No Data
		Jan-12	No Data	No Data	No Data
		Feb-12	137	409	546
		Mar-12	203	528	730
		Apr-12	224	508	731
		May-12	213	421	634
		Jun-12	209	379	587
		Jul-12	187	349	536
		Aug-12	201	369	570
		Sep-12	184	327	511
		Annual Average	186	437	623

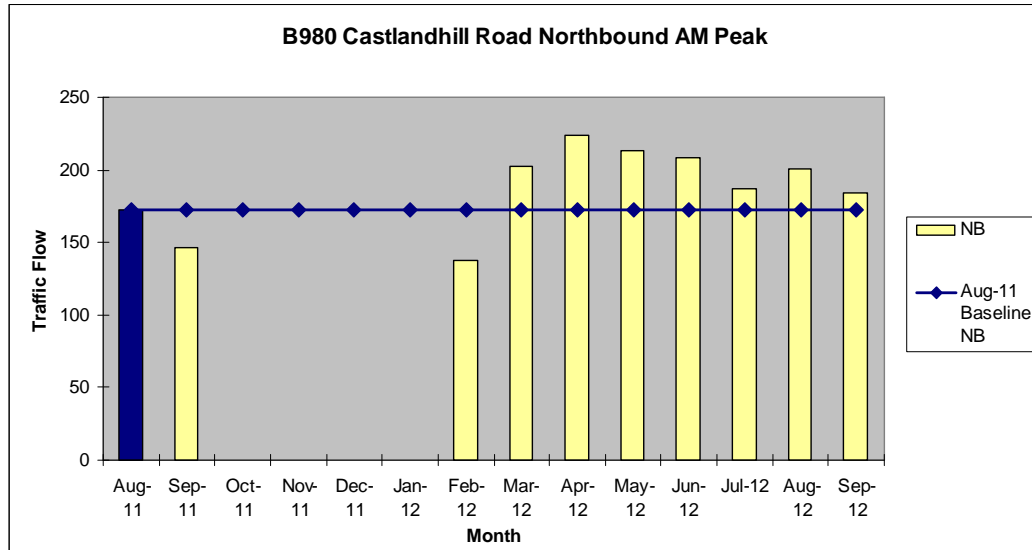


Figure 5-118 Monthly Northbound AM Peak Flows on the B980 Castlandhill Road

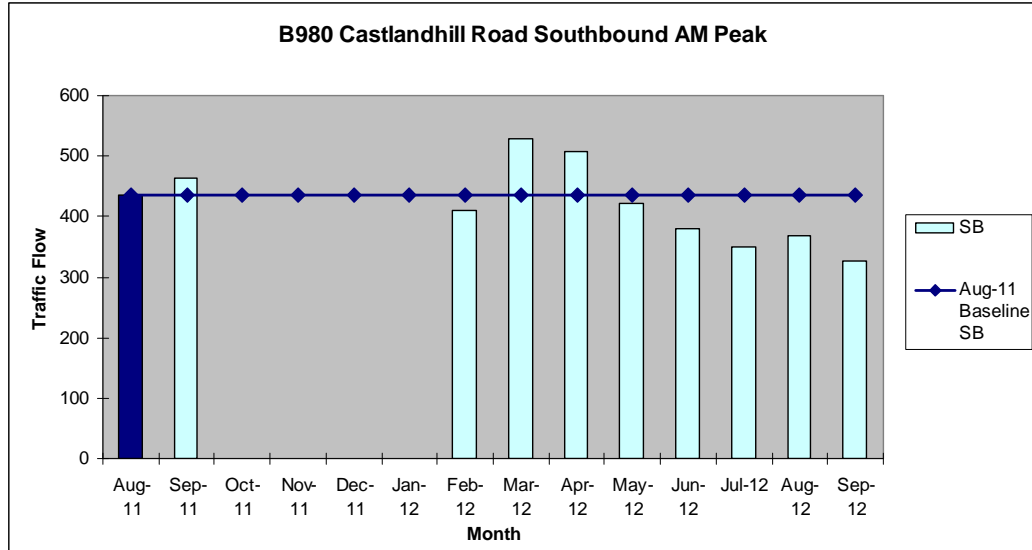


Figure 5-119 Monthly Southbound AM Peak Flows on the B980 Castlandhill Road

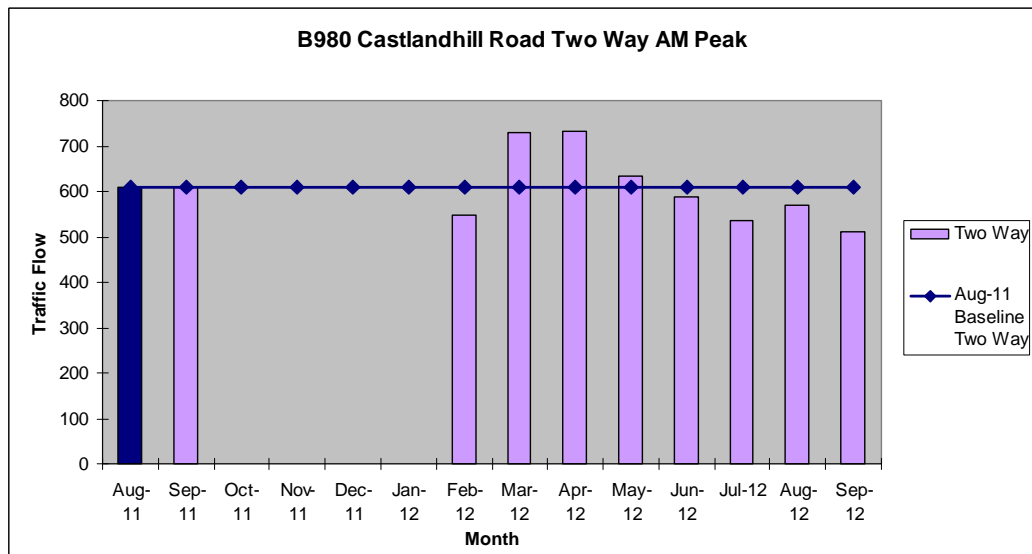


Figure 5-120 Monthly Two Way AM Peak Flows on the B980 Castlandhill Road

5.7.3 Monthly Average PM Peak Traffic Flows

Table 5-45 Site: JTC00586 PM Peak Traffic Flows – August 2011 to September 2012

Counter	Location	Date	NB	SB	Two Way
JTC00586	B980 Castlandhill Road	Aug-11	489	279	768
		Sep-11	411	251	662
		Oct-11	No Data	No Data	No Data
		Nov-11	No Data	No Data	No Data
		Dec-11	No Data	No Data	No Data
		Jan-12	No Data	No Data	No Data
		Feb-12	470	301	771
		Mar-12	519	272	791
		Apr-12	496	340	835
		May-12	482	293	775
		Jun-12	458	265	722
		Jul-12	469	260	729
		Aug-12	460	268	728
		Sep-12	375	226	601
			Annual Average		474

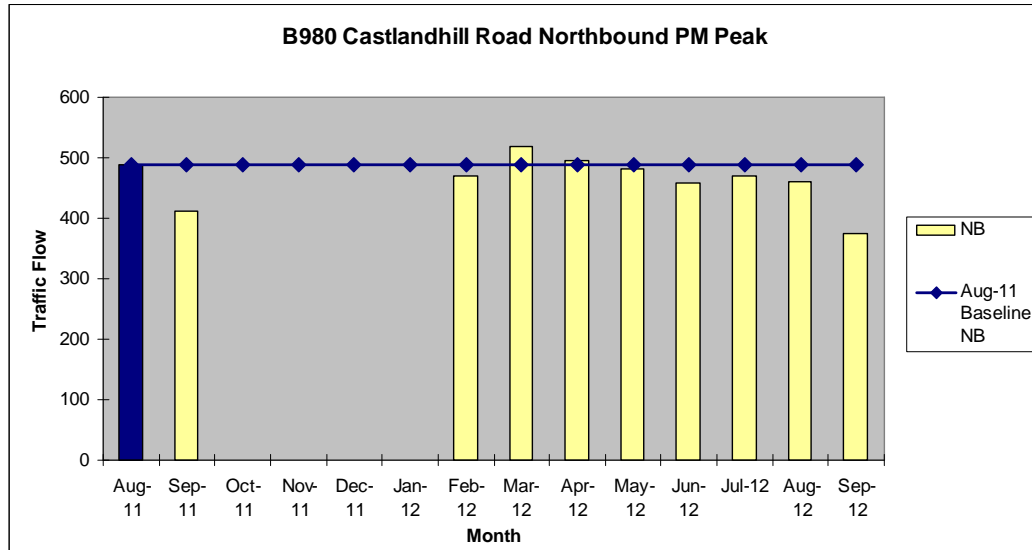


Figure 5-121 Monthly Northbound PM Peak Flows on the B980 Castlandhill Road

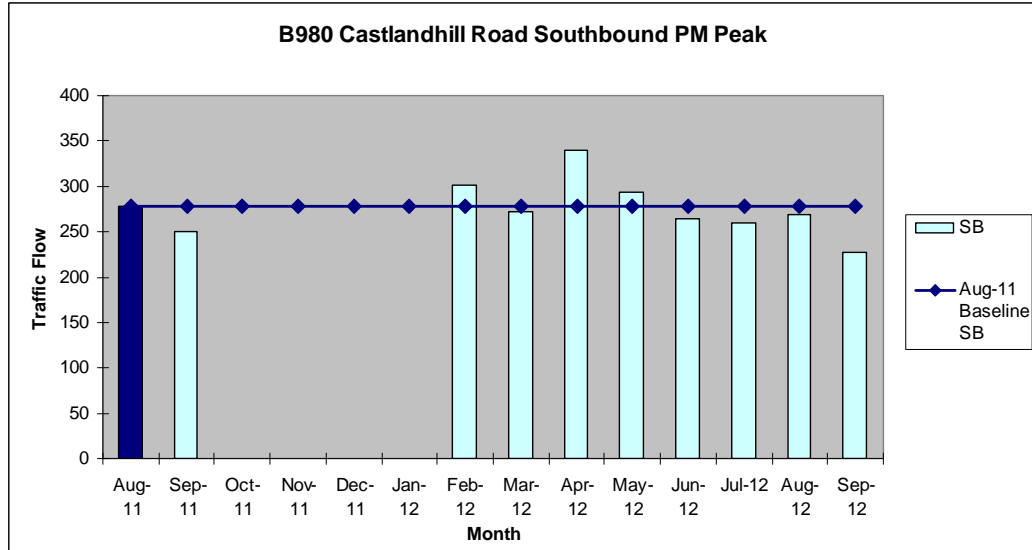


Figure 5-122 Monthly Southbound PM Peak Flows on the B980 Castlandhill Road

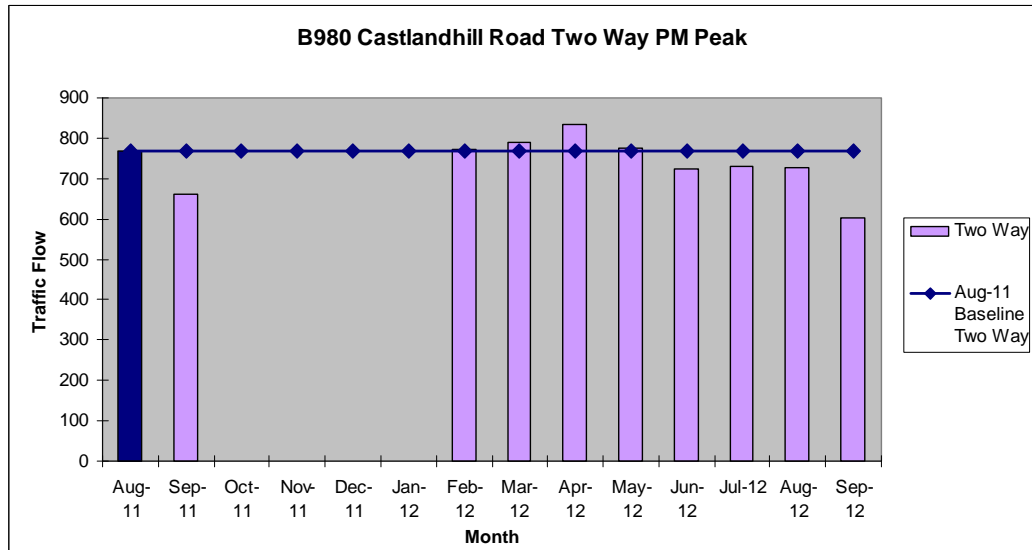


Figure 5-123 Monthly Two Way PM Peak Flows on the B980 Castlandhill Road

5.7.4 Monthly Average HGV Flows

Table 5-46 Site: JTC00586 Annual HGV Traffic Flows – August 2011 to September 2012

Counter	Location	Date	NB	SB	Two Way
JTC00586	B980 Castlandhill Road	Aug-11	73	56	129
		Sep-11	62	54	115
		Oct-11	No Data	No Data	No Data
		Nov-11	No Data	No Data	No Data
		Dec-11	No Data	No Data	No Data
		Jan-12	No Data	No Data	No Data
		Feb-12	No Data	No Data	No Data
		Mar-12	61	56	117
		Apr-12	62	61	123
		May-12	65	58	123
		Jun-12	63	58	121
		Jul-12	62	55	118
		Aug-12	67	59	126
		Sep-12	59	52	111
	Annual Average	64	57	121	

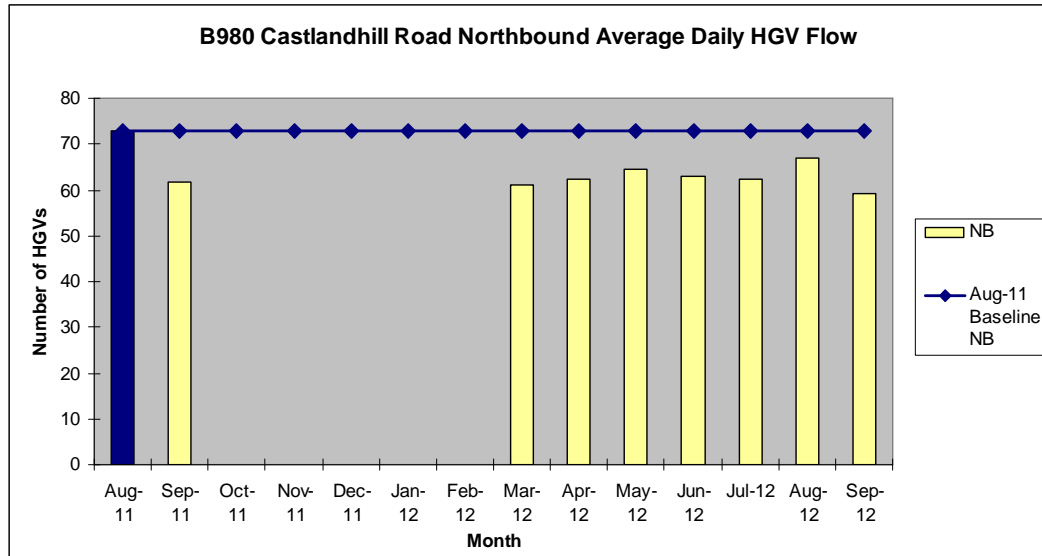


Figure 5-124 Monthly Northbound HGV Flows on the B980 Castlandhill Road

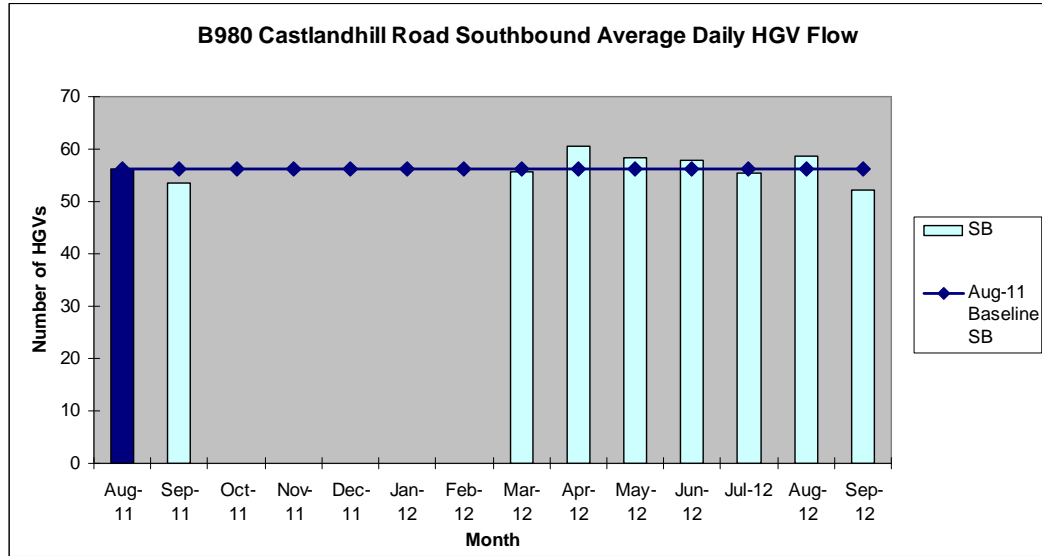


Figure 5-125 Monthly Southbound HGVS on the B980 Castlandhill Road

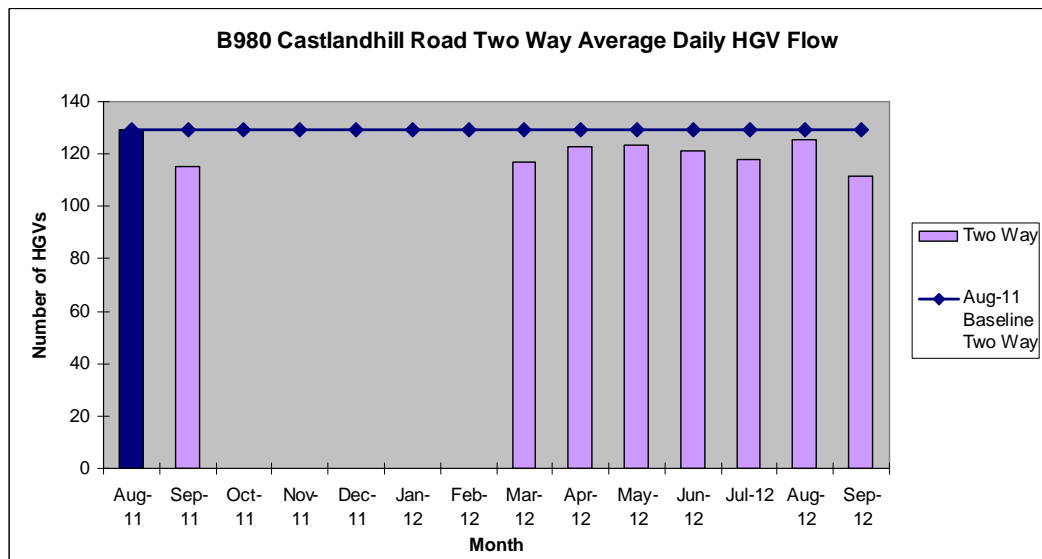


Figure 5-126 Monthly Two Way HGVS on the B980 Castlandhill Road

5.7.5 Monthly Average AM Peak HGV Flows

Table 5-47 Site: JTC00586 AM Peak HGV Traffic Flows – August 2011 to September 2012

Counter	Location	Date	NB	SB	Two Way
JTC00586	B980 Castlandhill Road	Aug-11	14	14	28
		Sep-11	11	14	24
		Oct-11	No Data	No Data	No Data
		Nov-11	No Data	No Data	No Data
		Dec-11	No Data	No Data	No Data
		Jan-12	No Data	No Data	No Data
		Feb-12	No Data	No Data	No Data
		Mar-12	12	14	26
		Apr-12	14	13	27
		May-12	15	13	28
		Jun-12	14	13	27
		Jul-12	14	12	26
		Aug-12	14	13	26
		Sep-12	13	12	25
		Annual Average	13	13	26

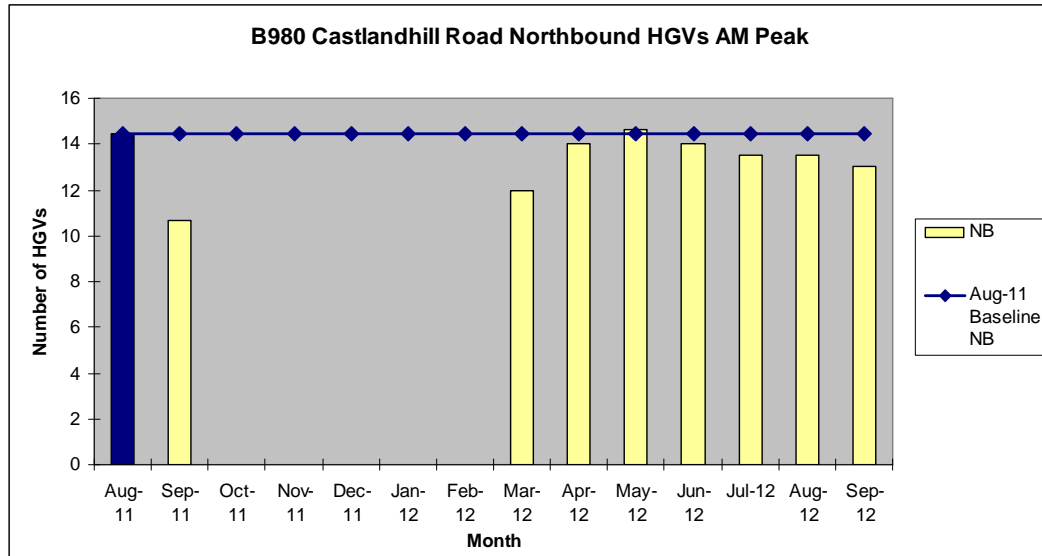


Figure 5-127 Monthly Northbound AM Peak HGV Flows on the B980 Castlandhill Road

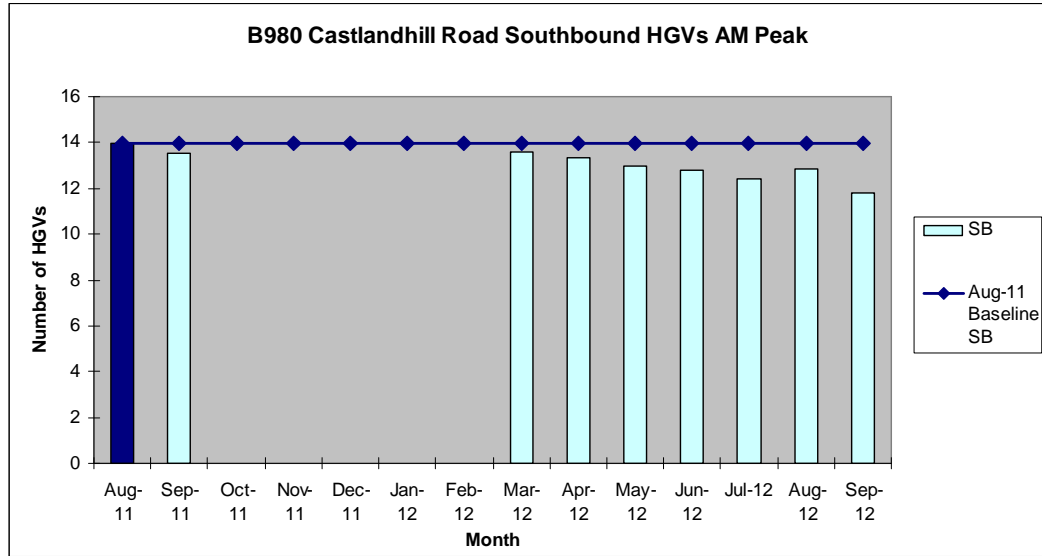


Figure 5-128 Monthly Southbound AM Peak HGV Flows on the B980 Castlandhill Road

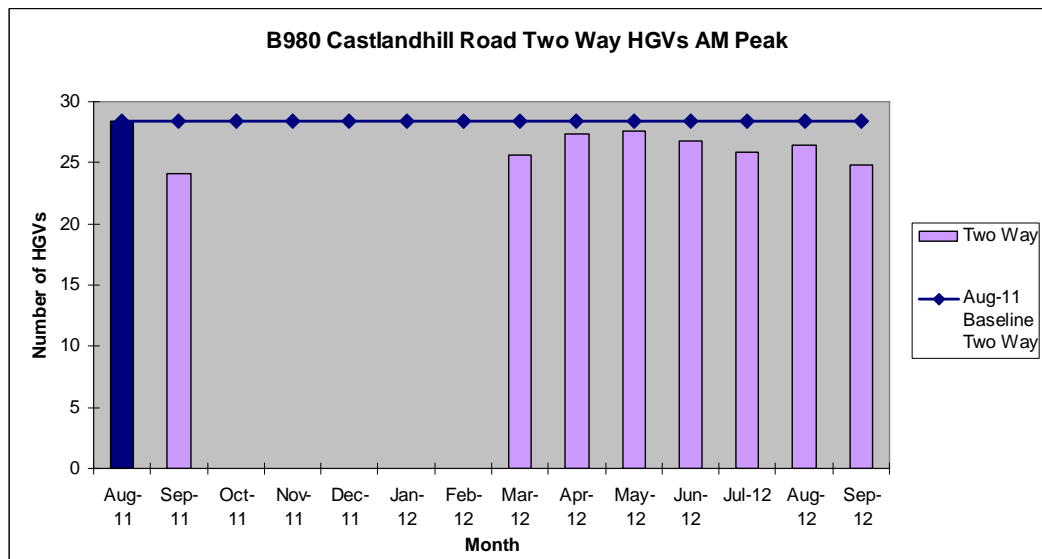


Figure 5-129 Monthly Two Way AM Peak HGV Flows on the B980 Castlandhill Road

5.7.6 Monthly Average PM Peak HGV Flows

Table 5-48 Site: JTC00586 PM Peak HGV Traffic Flows – August 2011 to September 2012

Counter	Location	Date	NB	SB	Two Way
JTC00586	A823 (M) M90 Junction 2 Southbound	Aug-11	19	13	32
		Sep-11	18	14	32
		Oct-11	No Data	No Data	No Data
		Nov-11	No Data	No Data	No Data
		Dec-11	No Data	No Data	No Data
		Jan-12	No Data	No Data	No Data
		Feb-12	No Data	No Data	No Data
		Mar-12	17	13	31
		Apr-12	13	9	23
		May-12	14	9	24
		Jun-12	14	9	24
		Jul-12	14	9	23
		Aug-12	15	10	25
		Sep-12	13	8	21
		Annual Average	16	11	27

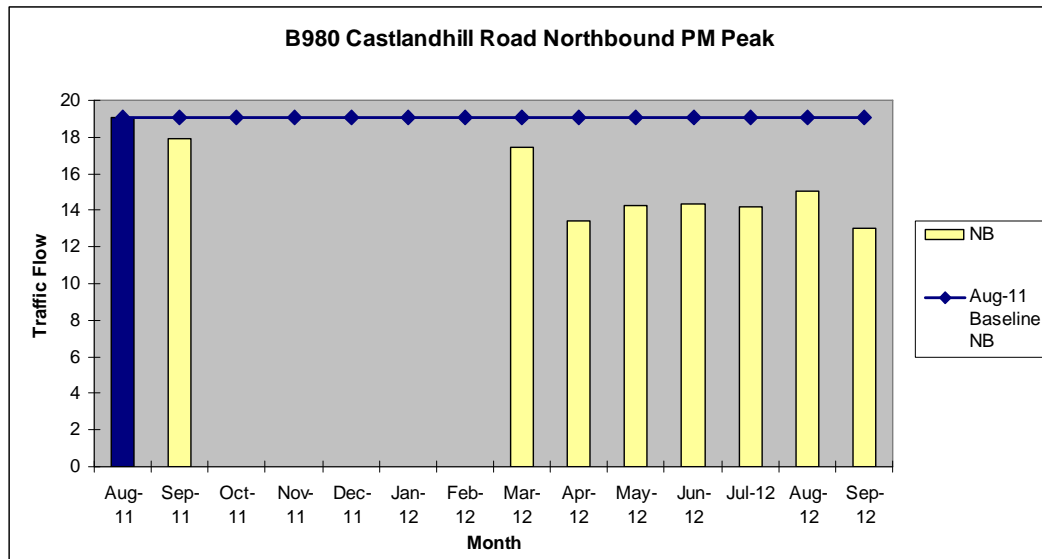


Figure 5-130 Monthly Northbound PM HGV Peak Flows on the B980 Castlandhill Road

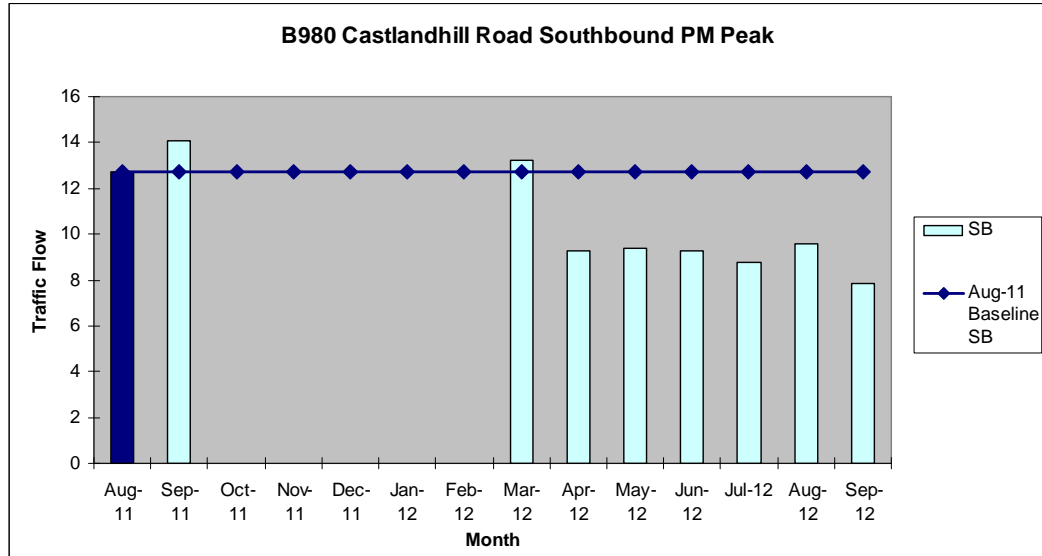


Figure 5-131 Monthly Southbound PM Peak HGV Flows on the B980 Castlandhill Road

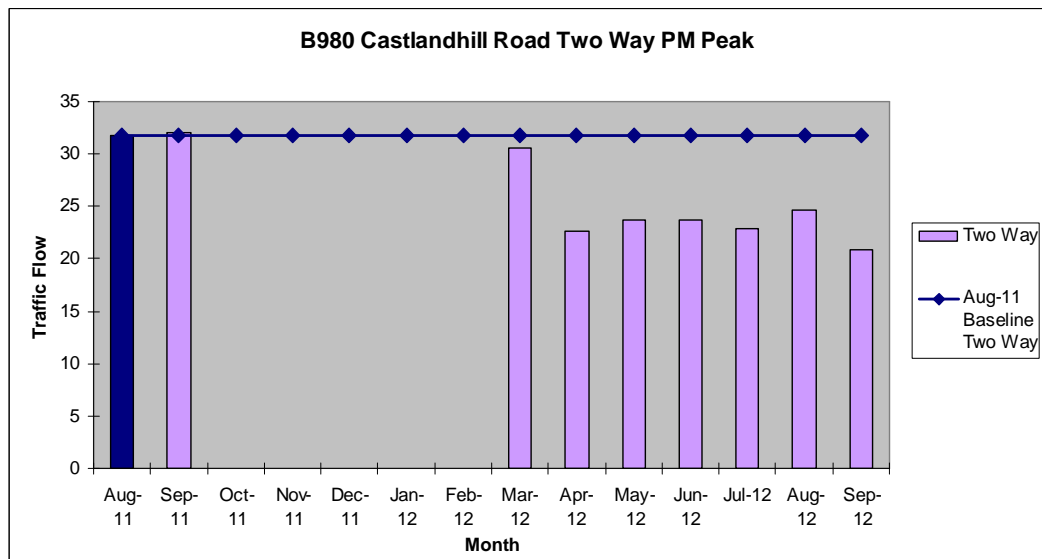


Figure 5-132 Monthly Two Way PM Peak HGV Flows on the B980 Castlandhill Road

5.7.7 Monthly Average All Vehicles Traffic Speeds

Table 5-49 Site: JTC00586 Average Monthly Traffic Speeds (KPH) (All Vehicles) – August 2011 to September 2012

Counter	Location	Date	NB	SB
JTC00586	B980 Castlandhill Road	Aug-11	71	69
		Sep-11	72	70
		Oct-11	No Data	No Data
		Nov-11	No Data	No Data
		Dec-11	No Data	No Data
		Jan-12	No Data	No Data
		Feb-12	No Data	No Data
		Mar-12	72	70
		Apr-12	72	69
		May-12	73	70
		Jun-12	72	70
		Jul-12	72	70
		Sep-12	69	69

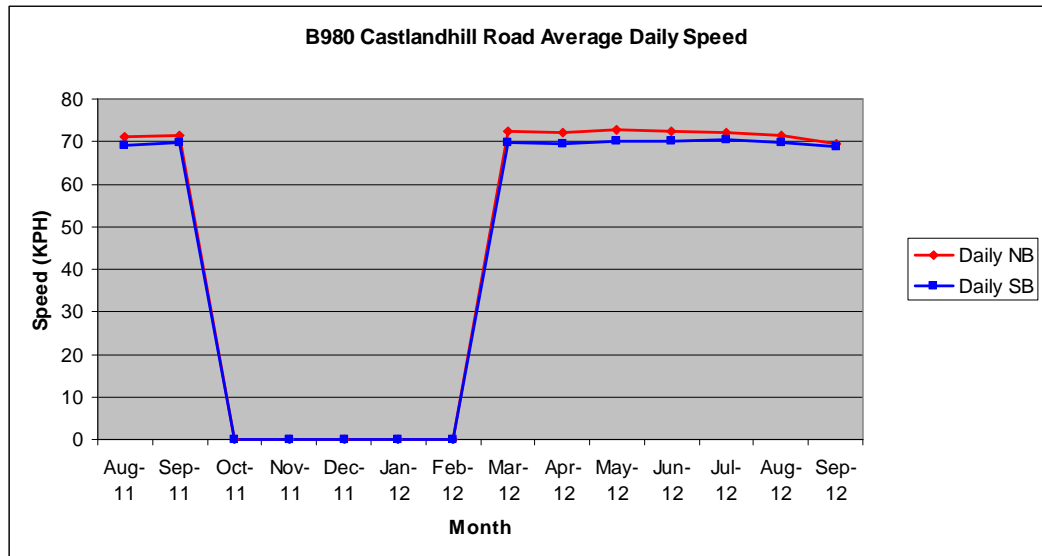


Figure 5-133 Average Monthly Traffic Speeds (KPH) on the B980 Castlandhill Road

5.8 Traffic Counter JTC00592 – B924 Hawes Brae (South Queensferry)

5.8.1 Monthly Average Traffic Flows

Table 3-50 Site: JTC00592 Annual Traffic Flows – August 2011 to September 2012

Counter	Location	Date	NB	SB	Two Way
JTC00592	B924 Hawes Brae (South Queensferry)	Aug-11	1,711	1,431	3,142
		Sep-11	1,656	1,377	3,033
		Oct-11	1,737	1,252	2,989
		Nov-11	No Data	No Data	No Data
		Dec-11	No Data	No Data	No Data
		Jan-12	No Data	No Data	No Data
		Feb-12	No Data	No Data	No Data
		Mar-12	No Data	No Data	No Data
		Apr-12	No Data	No Data	No Data
		May-12	No Data	No Data	No Data
		Jun-12	1,624	1,455	3,079
		Jul-12	1,456	1,287	2,743
		Aug-12	1,592	1,341	2,933
		Sep-12	1,544	1,316	2,860
		Annual Average	1,637	1,360	2,997

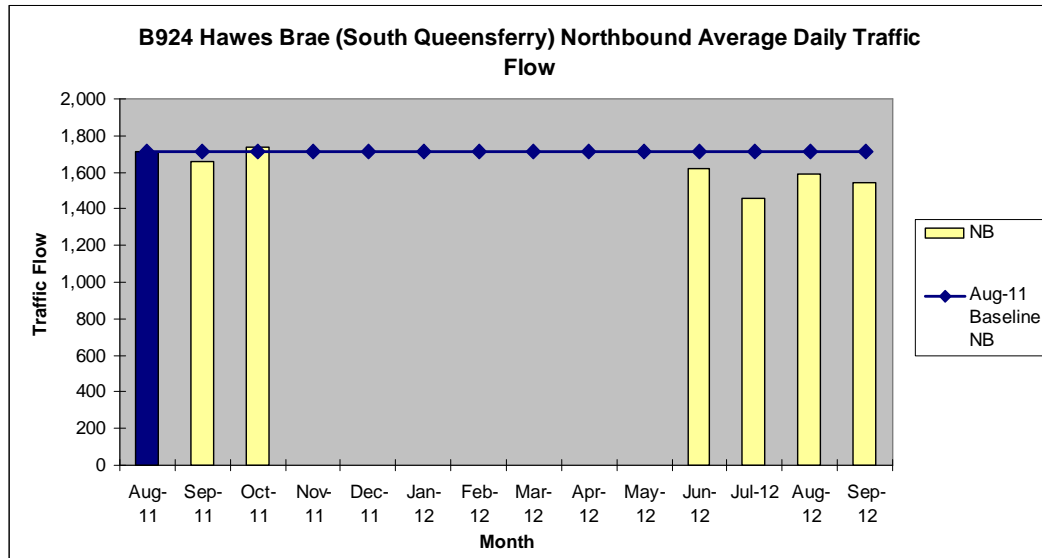


Figure 5-134 Monthly Northbound AADTs on the B924 Hawes Brae (South Queensferry)

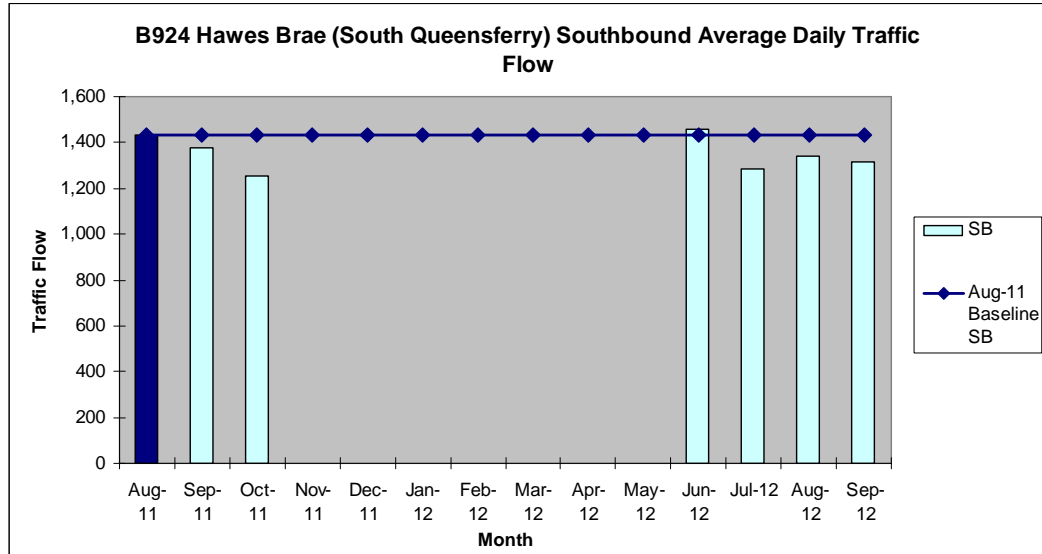


Figure 5-135 Monthly Southbound AADTs on the B924 Hawes Brae (South Queensferry)

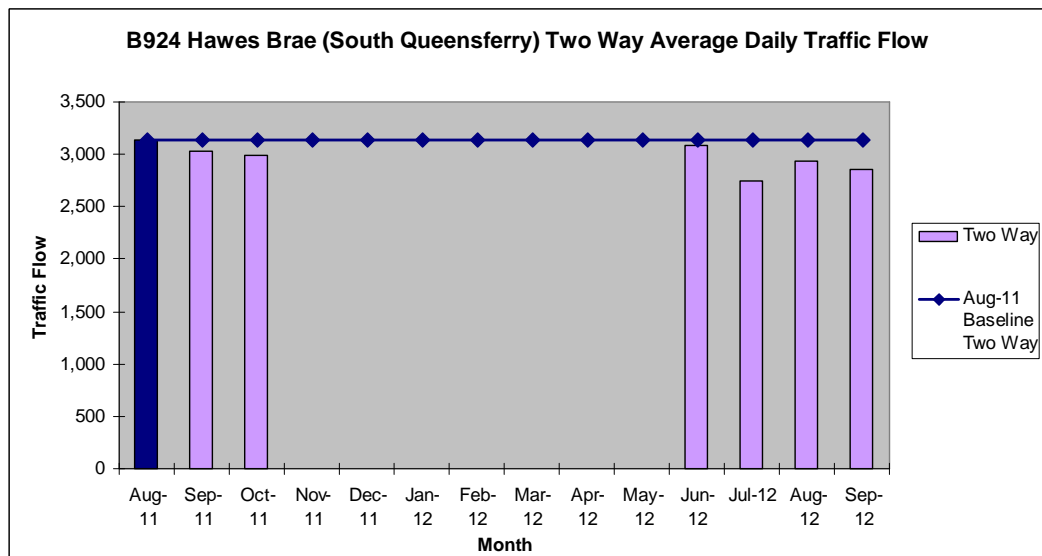


Figure 5-136 Monthly Two Way Daily Traffic Flows on the B924 Hawes Brae (South Queensferry)

5.8.2 Monthly Average AM Peak Traffic Flows

Table 5-51 Site: JTC00592 AM Peak Traffic Flows – August 2011 to September 2012

Counter	Location	Date	NB	SB	Two Way
JTC00592	B924 Hawes Brae (South Queensferry)	Aug-11	178	289	467
		Sep-11	185	313	498
		Oct-11	154	275	429
		Nov-11	No Data	No Data	No Data
		Dec-11	No Data	No Data	No Data
		Jan-12	No Data	No Data	No Data
		Feb-12	No Data	No Data	No Data
		Mar-12	No Data	No Data	No Data
		Apr-12	No Data	No Data	No Data
		May-12	No Data	No Data	No Data
		Jun-12	229	275	505
		Jul-12	197	242	439
		Aug-12	220	251	471
		Sep-12	213	242	455
		Annual Average			189

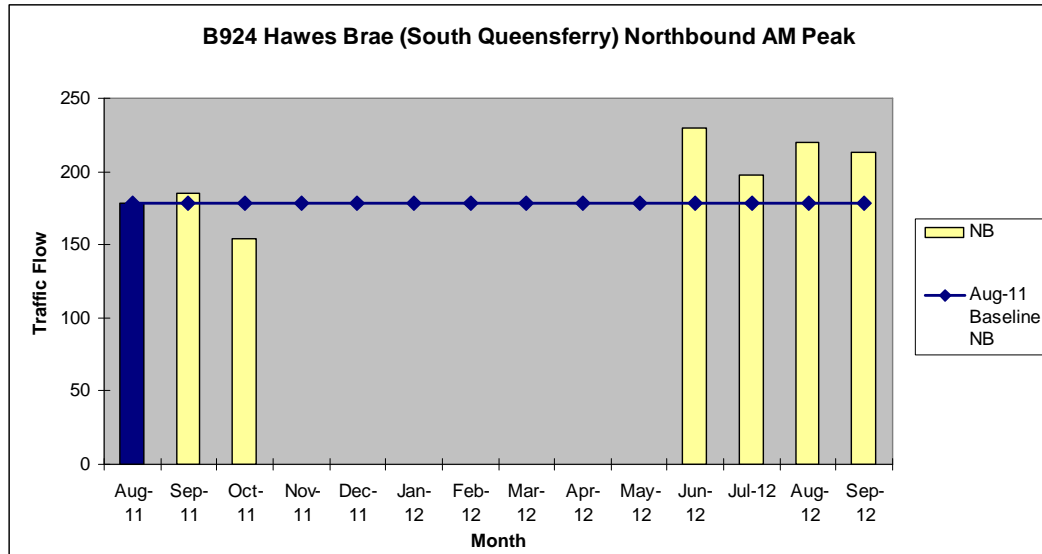


Figure 5-137 Monthly Northbound AM Peak Flows on the B924 Hawes Brae (South Queensferry)

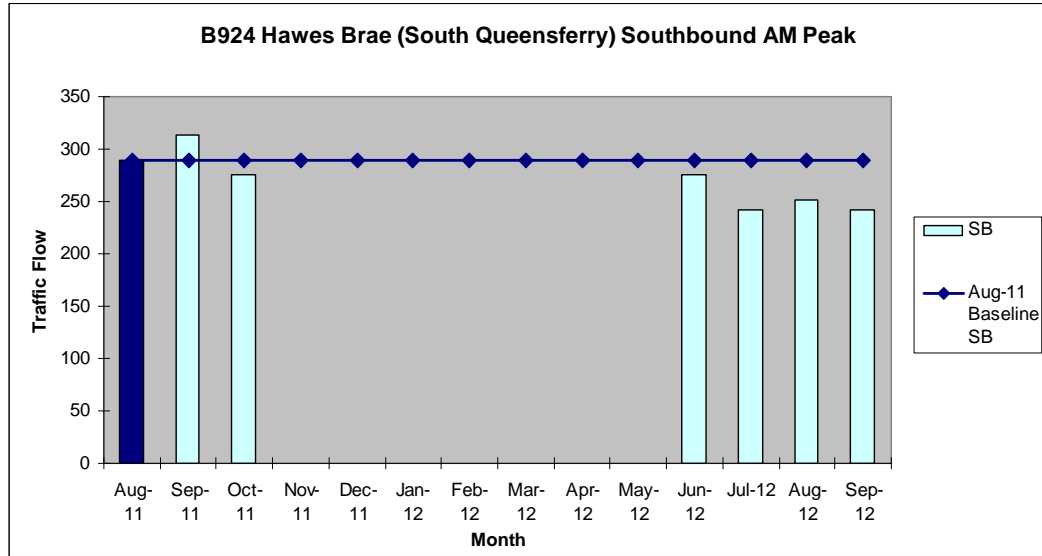


Figure 5-138 Monthly Southbound AM Peak Flows on the B924 Hawes Brae (South Queensferry)

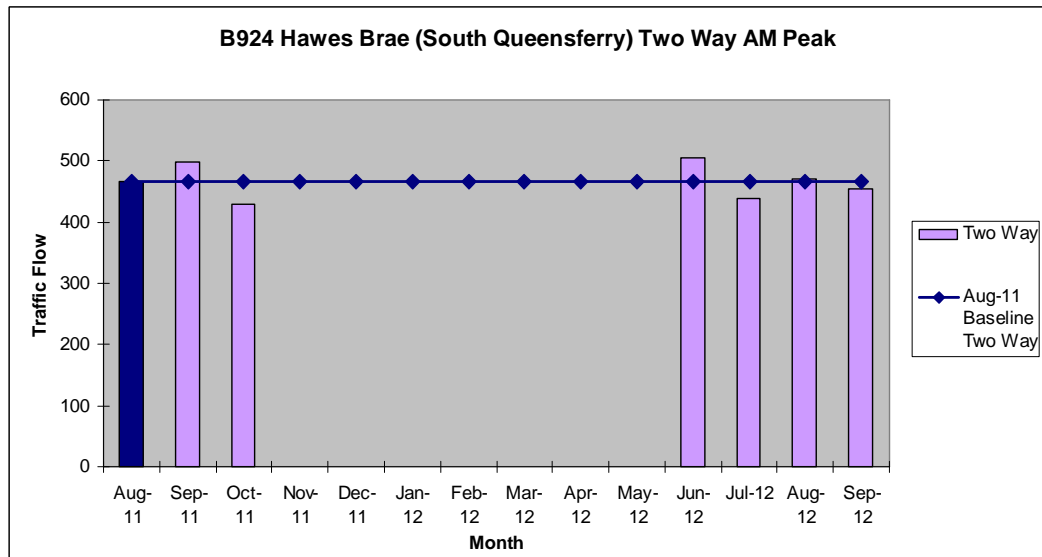


Figure 5-139 Monthly Two Way AM Peak Flows on the B924 Hawes Brae (South Queensferry)

5.8.3 Monthly Average PM Peak Traffic Flows

Table 5-52 Site: JTC00592 PM Peak Traffic Flows – August 2011 to September 2012

Counter	Location	Date	NB	SB	Two Way
JTC00592	B924 Hawes Brae (South Queensferry)	Aug-11	580	300	880
		Sep-11	560	297	857
		Oct-11	562	256	818
		Nov-11	No Data	No Data	no Data
		Dec-11	No Data	No Data	no Data
		Jan-12	No Data	No Data	no Data
		Feb-12	No Data	No Data	no Data
		Mar-12	No Data	No Data	no Data
		Apr-12	No Data	No Data	no Data
		May-12	No Data	No Data	no Data
		Jun-12	424	258	682
		Jul-12	377	228	606
		Aug-12	417	234	650
		Sep-12	391	229	620
			Annual Average		501

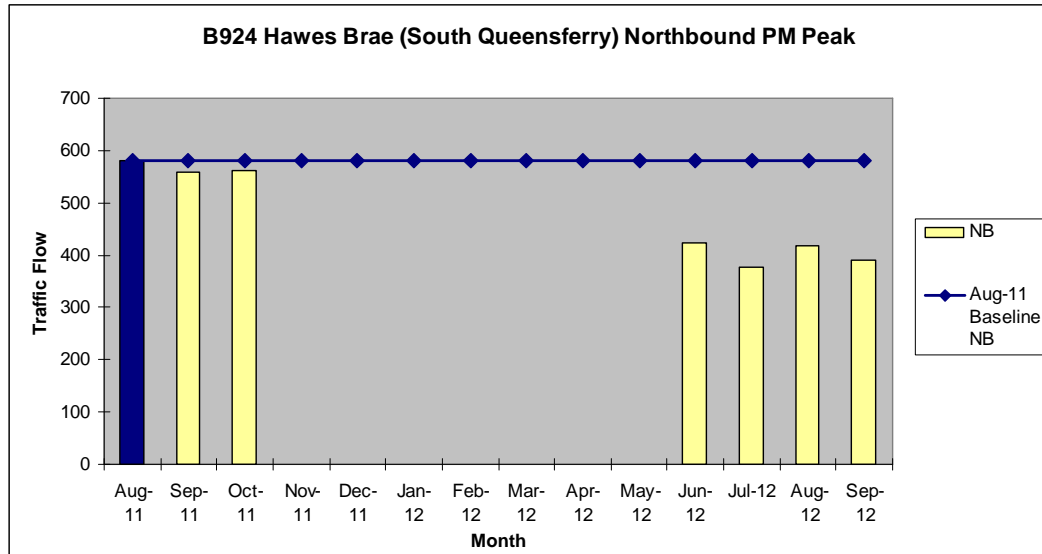


Figure 5-140 Monthly Northbound PM Peak Flows on the B924 Hawes Brae (South Queensferry)

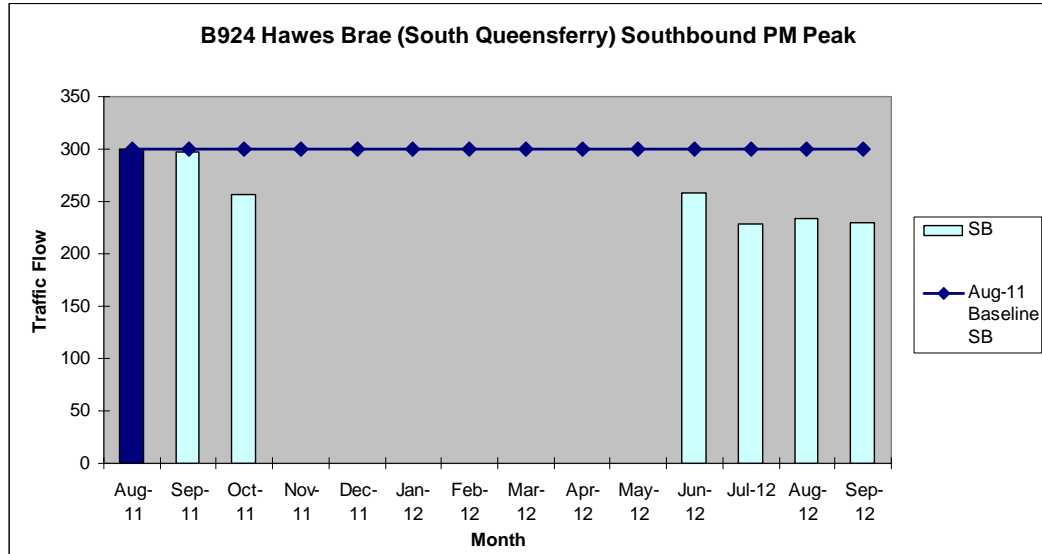


Figure 5-141 Monthly Southbound PM Peak Flows on the B924 Hawes Brae (South Queensferry)

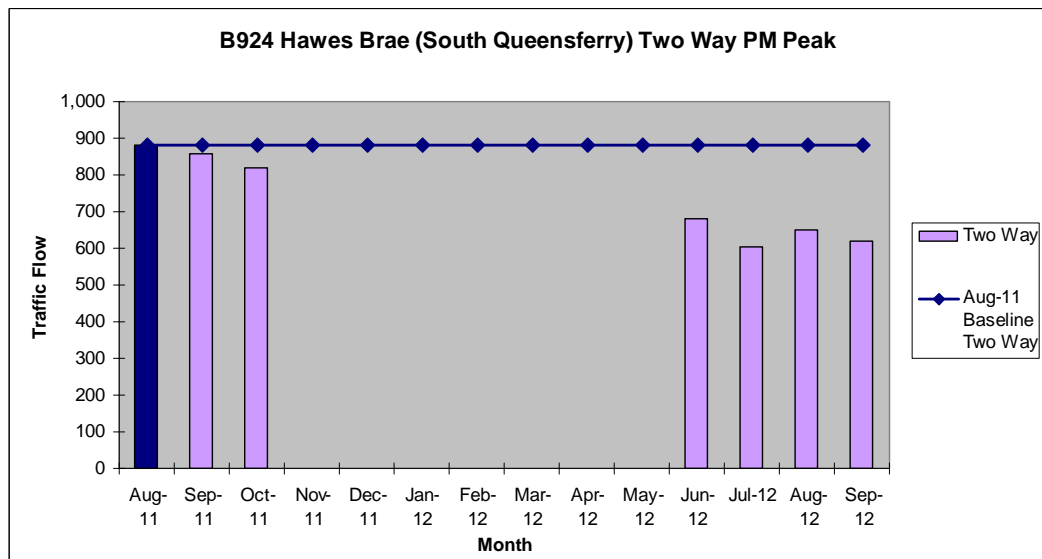


Figure 5-142 Monthly Two Way PM Peak Flows on the B924 Hawes Brae (South Queensferry)

5.8.4 Monthly Average HGV Flows

Table 5-53 Site: JTC00592 Annual HGV Traffic Flows – August 2011 to September 2012

Counter	Location	Date	NB	SB	Two Way
JTC00592	B924 Hawes Brae (South Queensferry)	Aug-11	22	25	48
		Sep-11	14	15	29
		Oct-11	12	7	19
		Nov-11	No Data	No Data	No Data
		Dec-11	No Data	No Data	No Data
		Jan-12	No Data	No Data	No Data
		Feb-12	No Data	No Data	No Data
		Mar-12	No Data	No Data	No Data
		Apr-12	No Data	No Data	No Data
		May-12	No Data	No Data	No Data
		Jun-12	No Data	No Data	No Data
		Jul-12	14	14	28
		Aug-12	15	18	33
		Sep-12	11	12	23
Annual Average			15	16	31

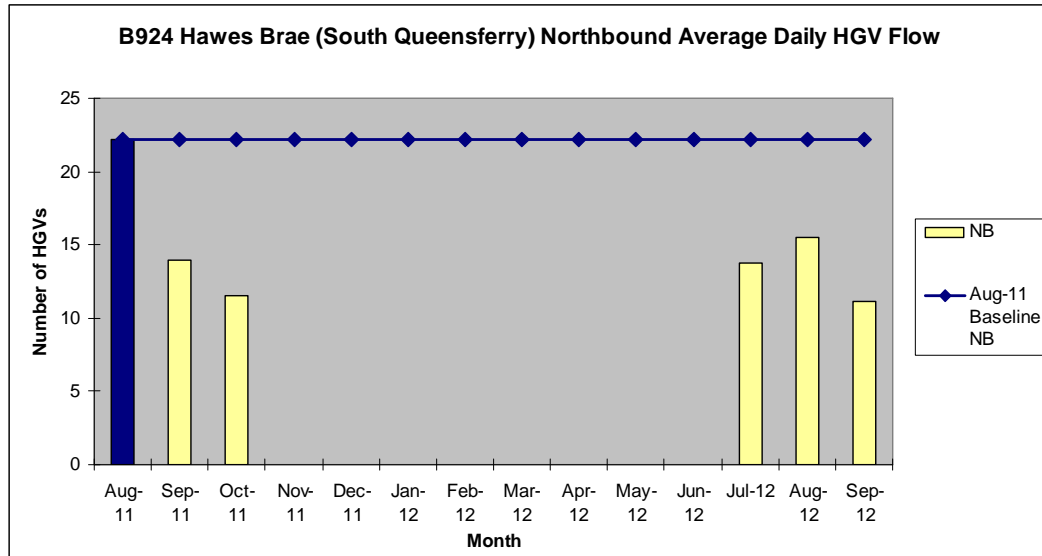


Figure 5-143 Monthly Northbound HGV Flows on the B924 Hawes Brae (South Queensferry)

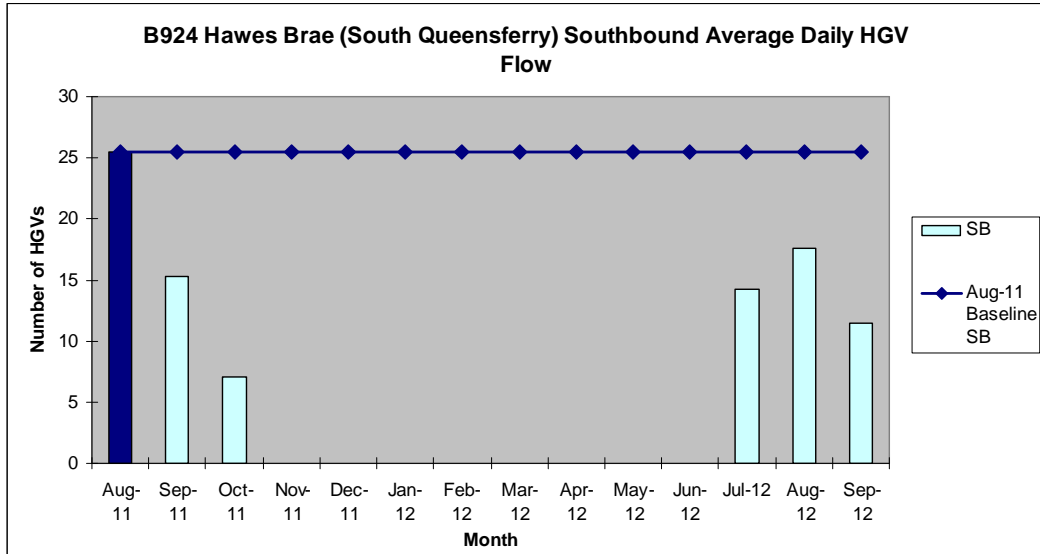


Figure 5-144 Monthly Southbound HGVS Flows on the B924 Hawes Brae (South Queensferry)

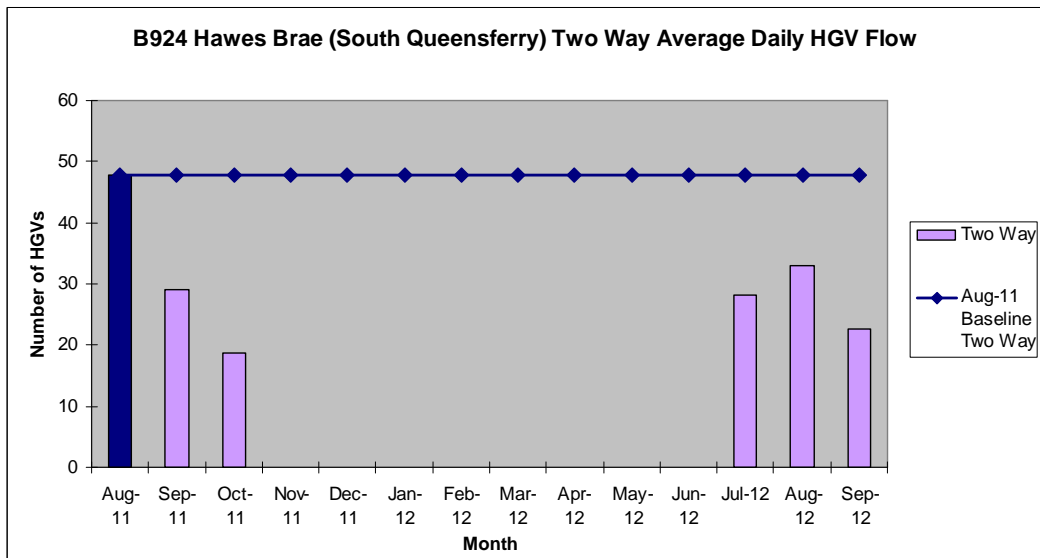


Figure 5-145 Monthly Two Way HGVS Flows on the B924 Hawes Brae (South Queensferry)

5.8.5 Monthly Average AM Peak HGV Flows

Table 5-54 Site: JTC00592 AM Peak HGV Traffic Flows – August 2011 to September 2012

Counter	Location	Date	NB	SB	Two Way
JTC00592	B924 Hawes Brae (South Queensferry)	Aug-11	5	6	10
		Sep-11	3	3	6
		Oct-11	2	1	2
		Nov-11	No Data	No Data	No Data
		Dec-11	No Data	No Data	No Data
		Jan-12	No Data	No Data	No Data
		Feb-12	No Data	No Data	No Data
		Mar-12	No Data	No Data	No Data
		Apr-12	No Data	No Data	No Data
		May-12	No Data	No Data	No Data
		Jun-12	No Data	No Data	No Data
		Jul-12	4	3	7
		Aug-12	4	4	7
		Sep-12	3	2	5
Annual Average			3	3	6

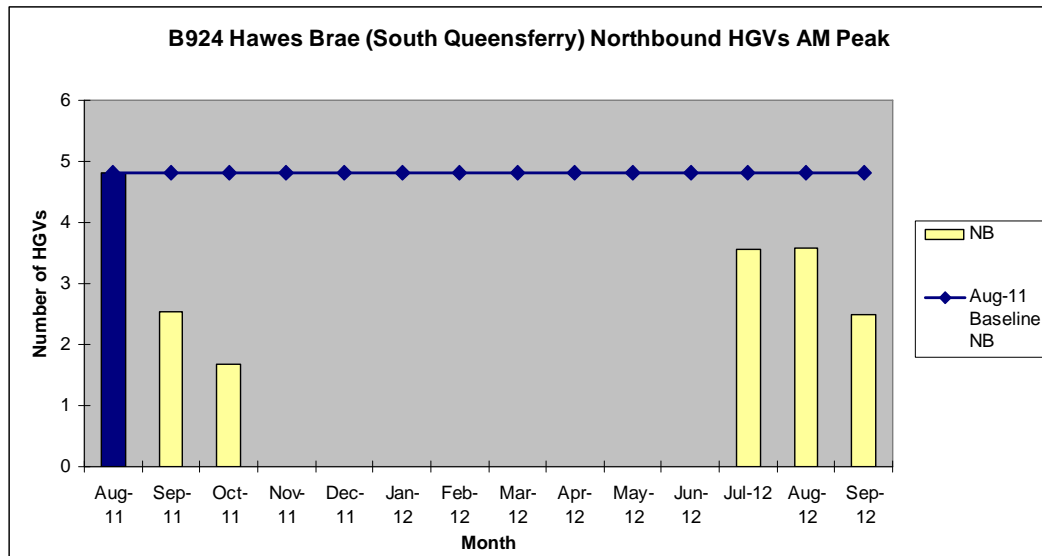


Figure 5-146 Monthly Northbound AM Peak HGV Flows on the B924 Hawes Brae (South Queensferry)

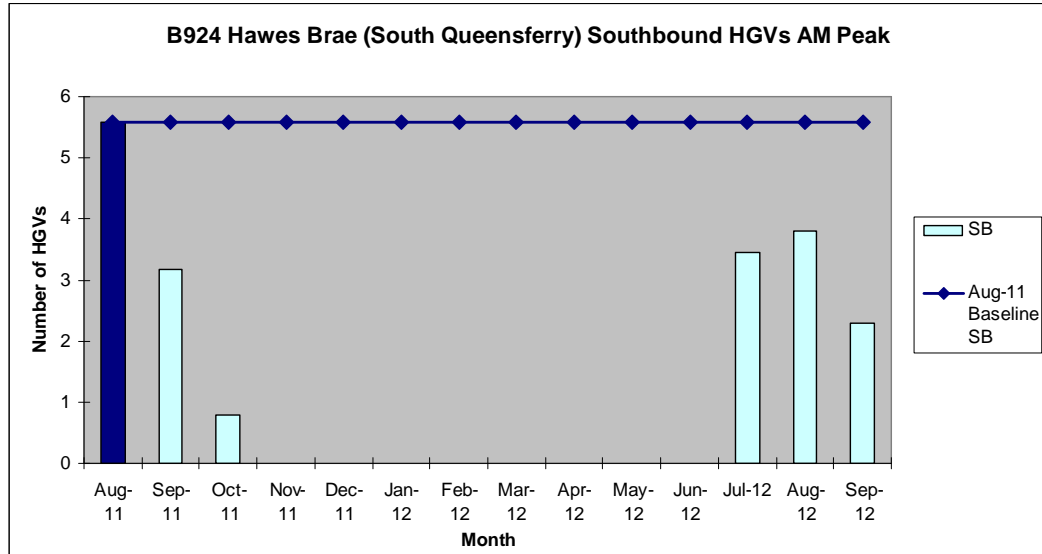


Figure 5-147 Monthly Westbound AM Peak HGV Flows on the B924 Hawes Brae (South Queensferry)

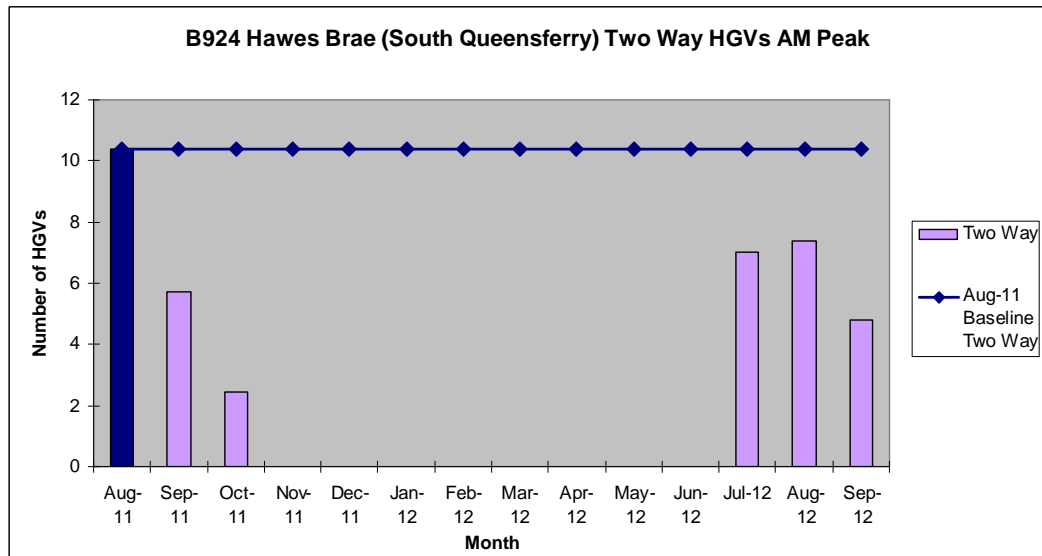


Figure 5-148 Monthly Two Way AM Peak HGV Flows on the B924 Hawes Brae (South Queensferry)

5.8.6 Monthly Average PM Peak HGV Flows

Table 5-55 Site: JTC00592 PM Peak HGV Traffic Flows – August 2011 to September 2012

Counter	Location	Date	NB	SB	Two Way
JTC00592	B924 Hawes Brae (South Queensferry)	Aug-11	7	7	13
		Sep-11	4	3	7
		Oct-11	3	0	3
		Nov-11	No Data	No Data	No Data
		Dec-11	No Data	No Data	No Data
		Jan-12	No Data	No Data	No Data
		Feb-12	No Data	No Data	No Data
		Mar-12	No Data	No Data	No Data
		Apr-12	No Data	No Data	No Data
		May-12	No Data	No Data	No Data
		Jun-12	No Data	No Data	No Data
		Jul-12	3	2	4
		Aug-12	3	2	5
		Sep-12	1	1	2
Annual Average			4	3	7

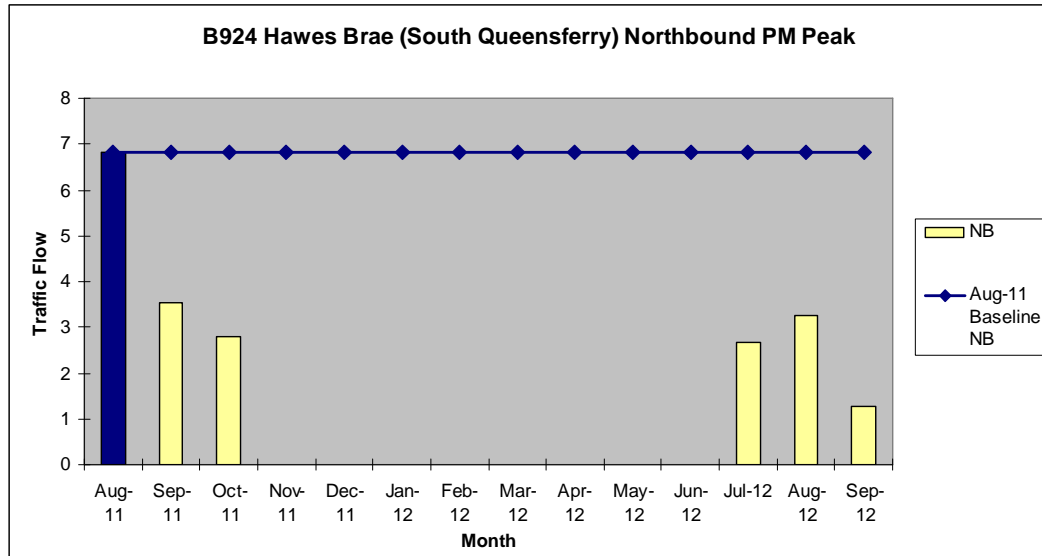


Figure 5-149 Monthly Northbound PM HGV Peak Flows on the B924 Hawes Brae (South Queensferry)

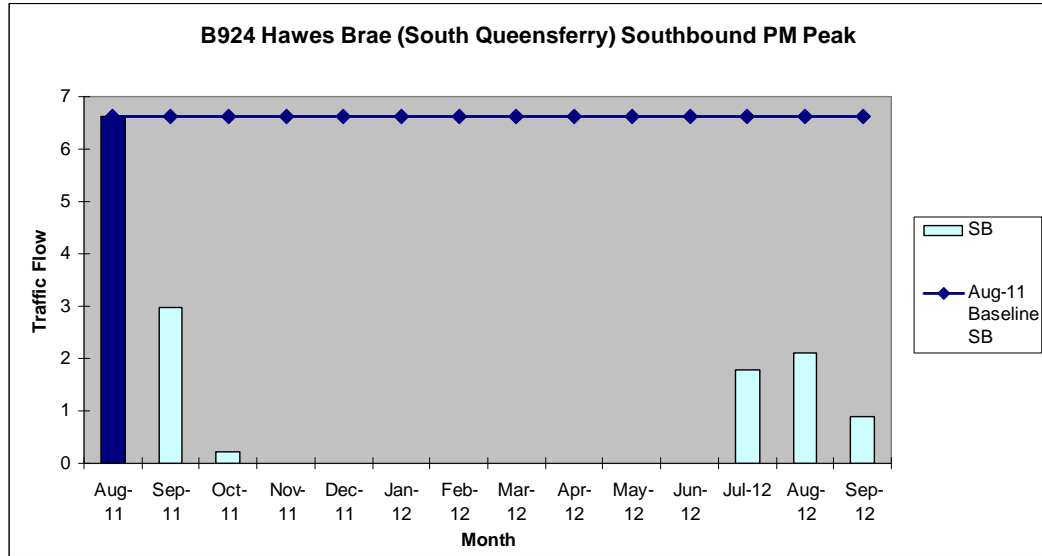


Figure 5-150 Monthly Southbound PM Peak HGV Flows on the B924 Hawes Brae (South Queensferry)

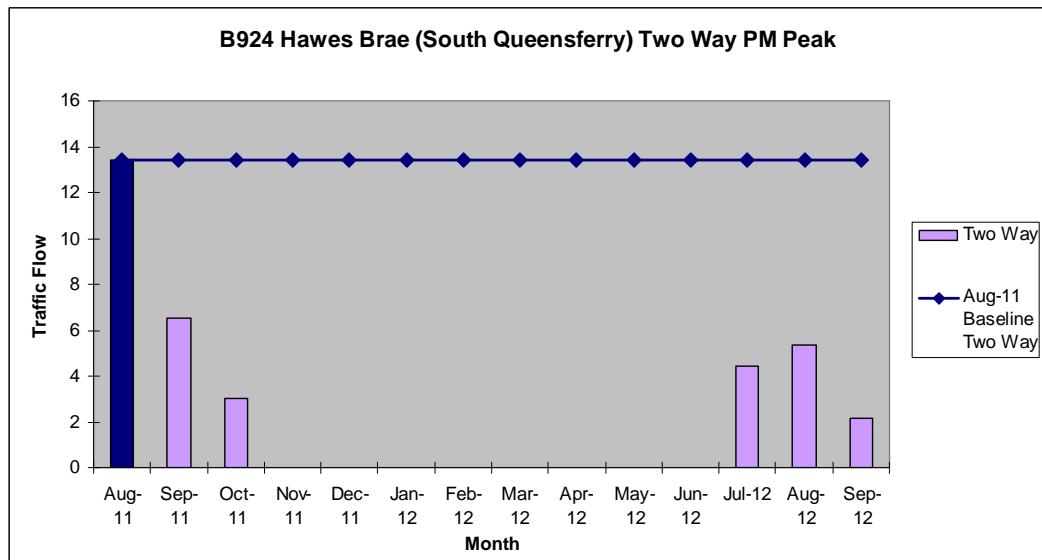


Figure 5-151 Monthly Two Way PM Peak HGV Flows on the B924 Hawes Brae (South Queensferry)

5.8.7 Monthly Average All Vehicles Traffic Speeds

Table 5-56 Site: JTC00592 Average Monthly Traffic Speeds (KPH) (All Vehicles) – August 2011 to September 2012

Counter	Location	Date	NB	SB
JTC00592	B924 Hawes Brae (South Queensferry)	Aug-11	74	68
		Sep-11	75	70
		Oct-11	74	70
		Nov-11	No Data	No Data
		Dec-11	No Data	No Data
		Jan-12	No Data	No Data
		Feb-12	No Data	No Data
		Mar-12	No Data	No Data
		Apr-12	No Data	No Data
		May-12	No Data	No Data
		Jun-12	No Data	No Data
		Jul-12	71	67
		Aug-12	70	66
Sep-12	70	66		

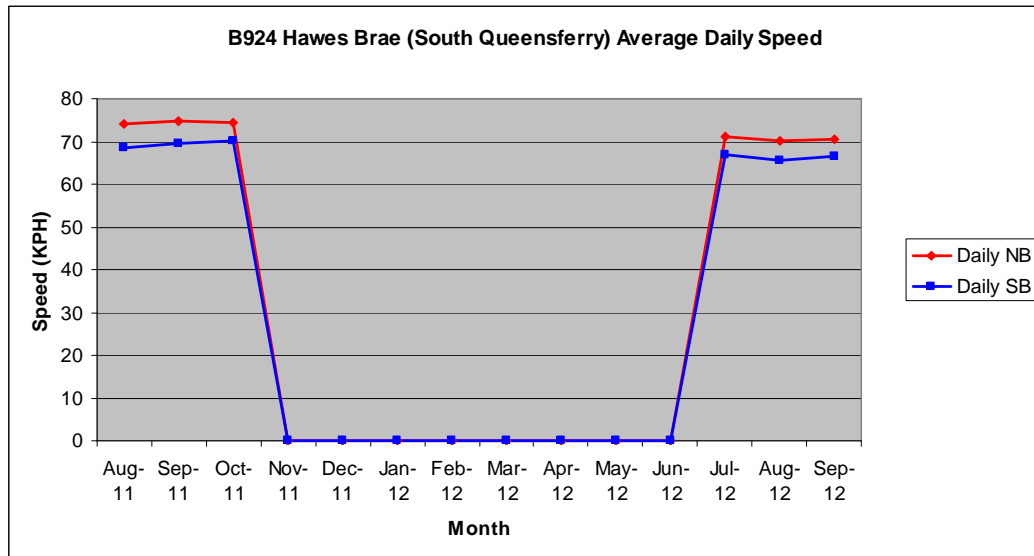


Figure 5-152 Average Monthly Traffic Speeds (KPH) on the B924 Hawes Brae (South Queensferry)

5.9 Traffic Counter JTC00594 – B981 Hope Street (Inverkeithing)

5.9.1 Monthly Average Traffic Flows

Table 3-57 Site: JTC00594 Annual Traffic Flows – August 2011 to September 2012

Counter	Location	Date	NB	SB	Two Way
JTC00594	B981 Hope Street (Inverkeithing)	Aug-11	2,477	2,393	4,870
		Sep-11	2,910	2,945	5,856
		Oct-11	3,065	3,318	6,383
		Nov-11	3,026	3,151	6,177
		Dec-11	2,858	2,951	5,809
		Jan-12	2,515	2,556	5,071
		Feb-12	2,913	3,069	5,982
		Mar-12	3,203	3,396	6,599
		Apr-12	2,832	3,322	6,154
		May-12	3,330	3,723	7,053
		Jun-12	No Data	No Data	No Data
		Jul-12	3,097	3,258	6,355
		Aug-12	2,913	3,242	6,155
		Sep-12	2,898	3,128	6,026
			Annual Average		2,930

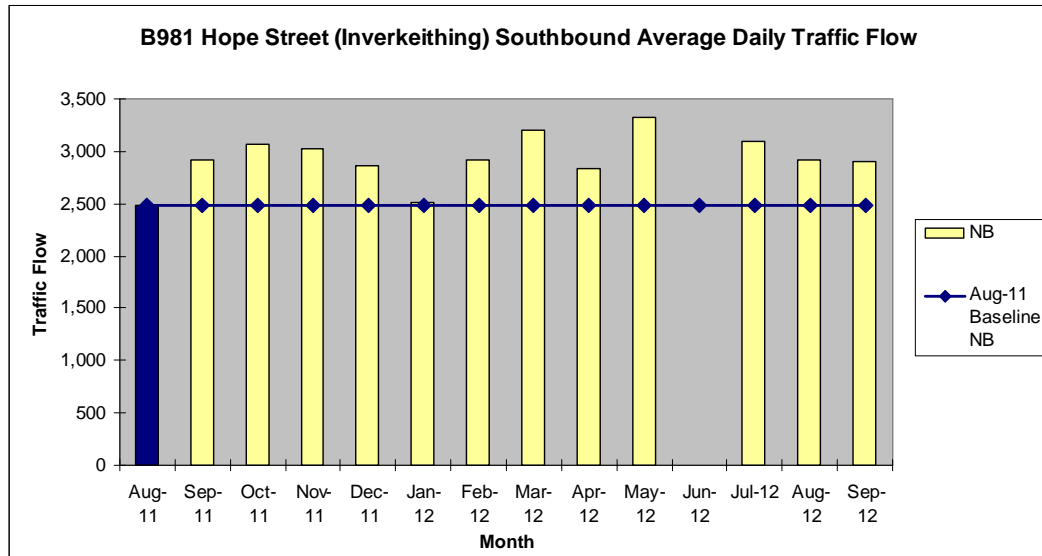


Figure 5-153 Monthly Northbound AADTs on the B981 Hope Street (Inverkeithing)

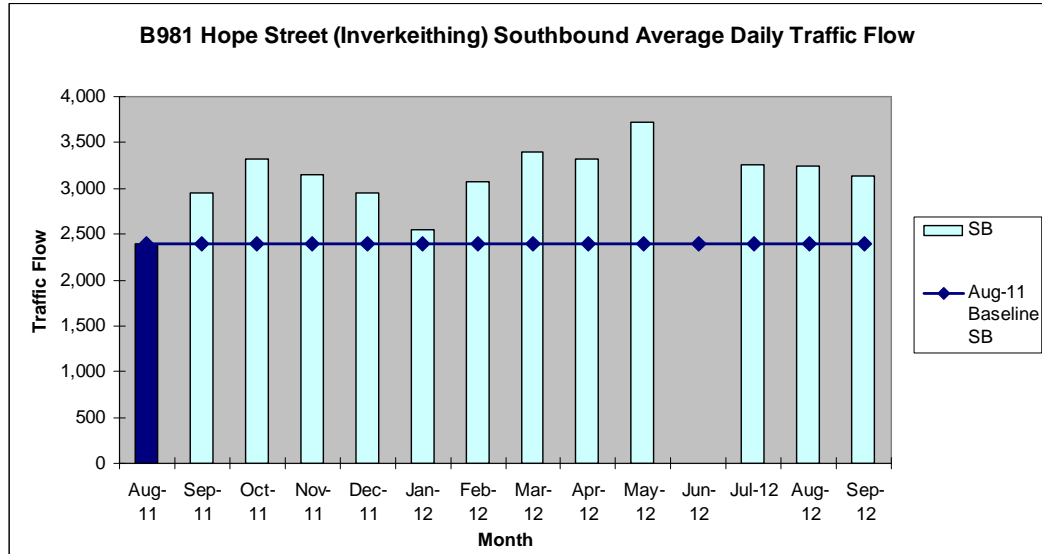


Figure 5-154 Monthly Southbound AADTs on the B981 Hope Street (Inverkeithing)

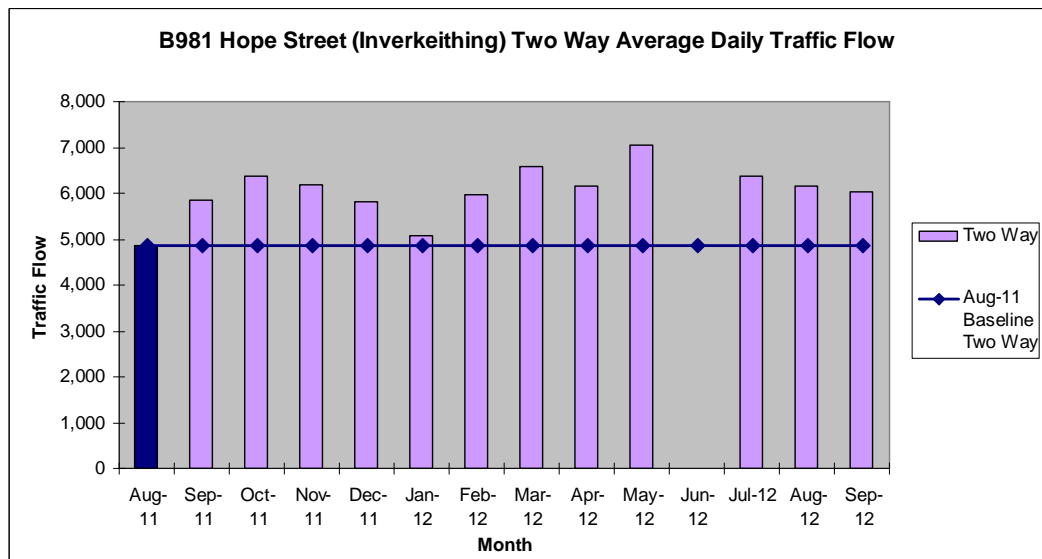


Figure 5-155 Monthly Two Way Daily Traffic Flows on the B981 Hope Street (Inverkeithing)

5.9.2 Monthly Average AM Peak Traffic Flows

Table 5-58 Site: JTC00594 AM Peak Traffic Flows – August 2011 to September 2012

Counter	Location	Date	NB	SB	Two Way
JTC00594	B981 Hope Street (Inverkeithing)	Aug-11	350	644	994
		Sep-11	395	780	1,175
		Oct-11	360	807	1,168
		Nov-11	367	847	1,214
		Dec-11	336	679	1,015
		Jan-12	290	600	890
		Feb-12	344	758	1,102
		Mar-12	400	849	1,249
		Apr-12	252	635	888
		May-12	386	909	1,295
		Jun-12	No Data	No Data	No Data
		Jul-12	318	720	1,038
		Aug-12	360	796	1,156
		Sep-12	363	756	1,120
	Annual Average		345	748	1,093

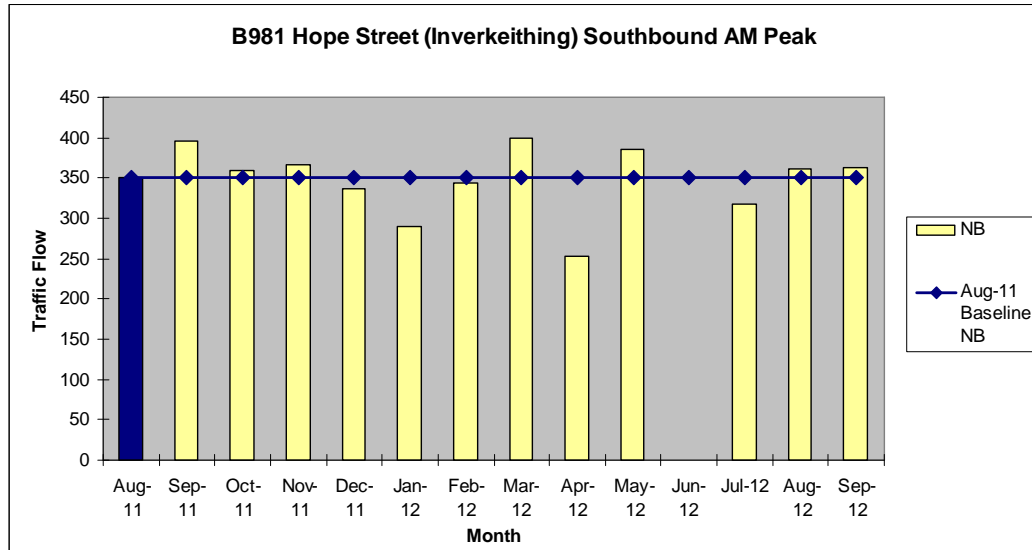


Figure 5-156 Monthly Eastbound AM Peak Flows on the B981 Hope Street (Inverkeithing)

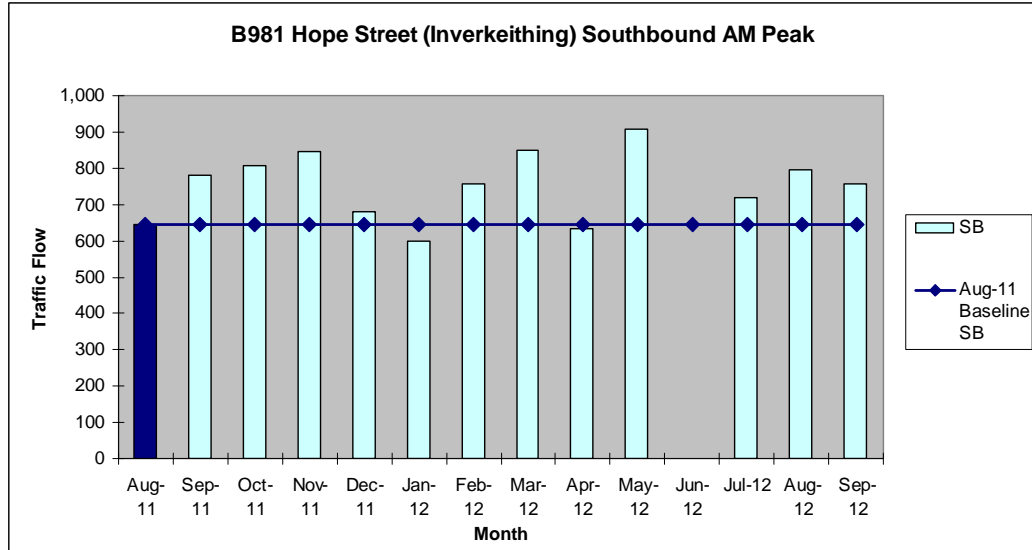


Figure 5-157 Monthly Westbound AM Peak Flows on the B981 Hope Street (Inverkeithing)

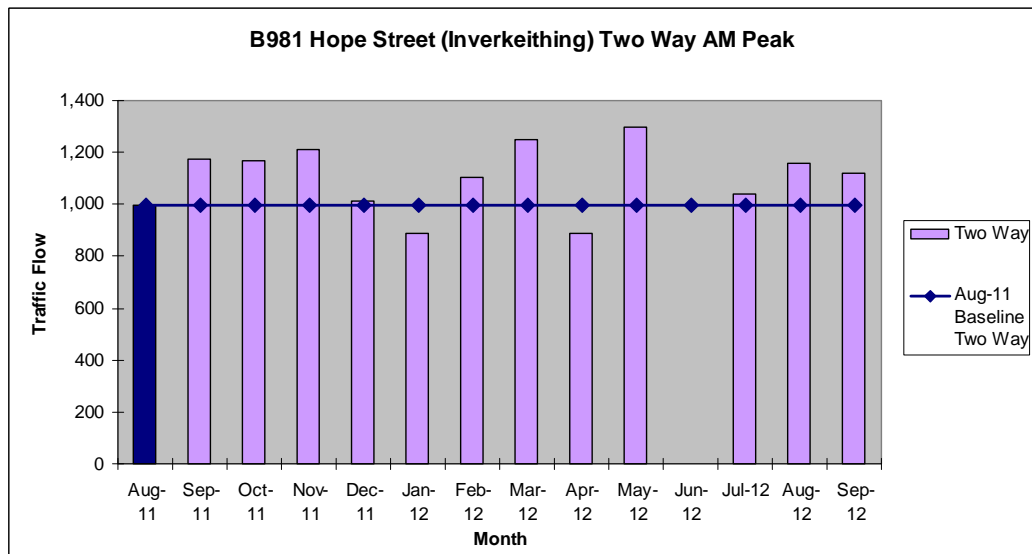


Figure 5-158 Monthly Two Way AM Peak Flows on the B981 Hope Street (Inverkeithing)

5.9.3 Monthly Average PM Peak Traffic Flows

Table 5-59 Site: JTC00594 PM Peak Traffic Flows – August 2011 to September 2012

Counter	Location	Date	NB	SB	Two Way
JTC00594	B981 Hope Street (Inverkeithing)	Aug-11	761	439	1,200
		Sep-11	860	544	1,404
		Oct-11	942	613	1,556
		Nov-11	987	534	1,521
		Dec-11	786	492	1,278
		Jan-12	713	429	1,141
		Feb-12	920	538	1,458
		Mar-12	973	604	1,577
		Apr-12	896	695	1,591
		May-12	1,004	684	1,688
		Jun-12	No Data	No Data	No Data
		Jul-12	968	618	1,586
		Aug-12	826	574	1,399
		Sep-12	846	574	1,420
	Annual Average		892	563	1,455

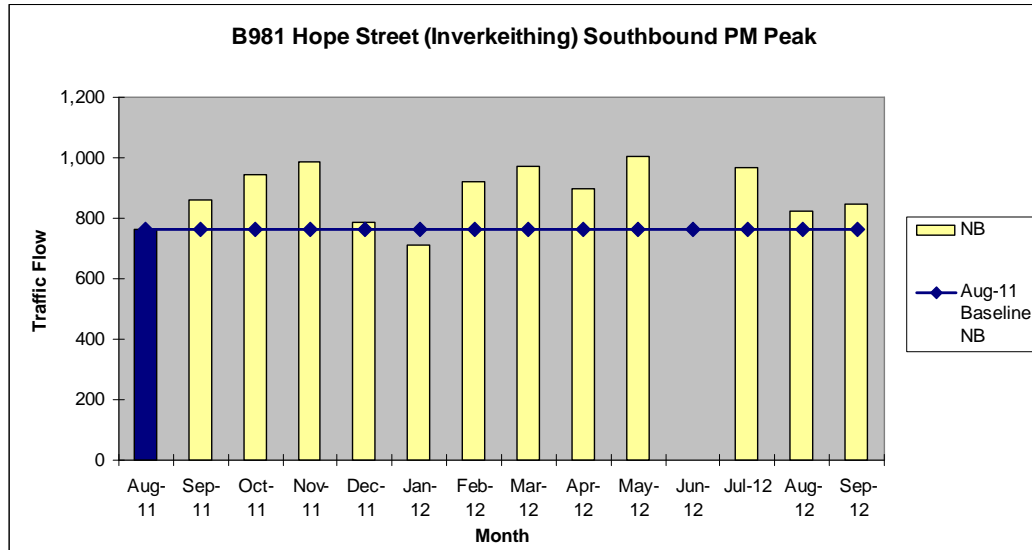


Figure 5-159 Monthly Northbound PM Peak Flows on the B981 Hope Street (Inverkeithing)

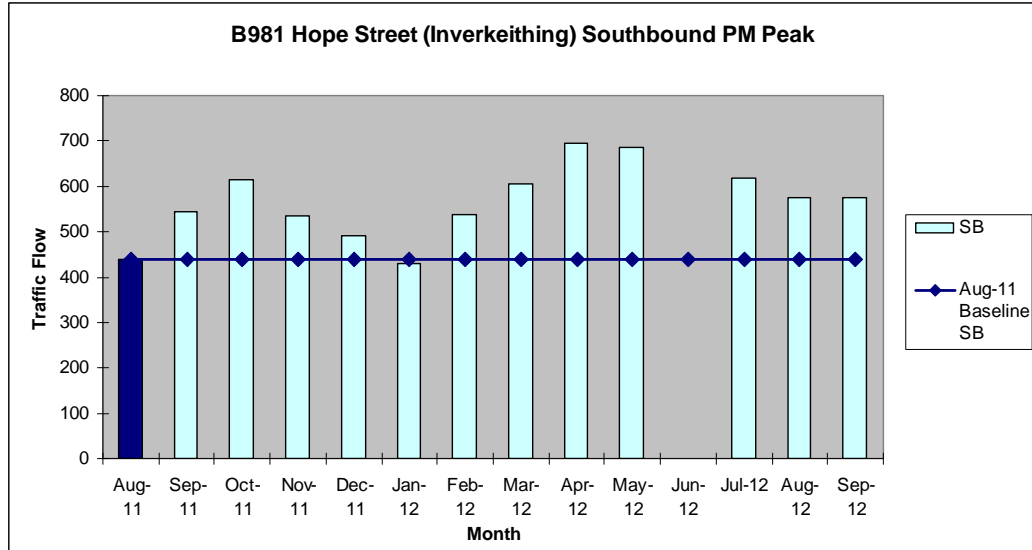


Figure 5-160 Monthly Southbound PM Peak Flows on the B981 Hope Street (Inverkeithing)

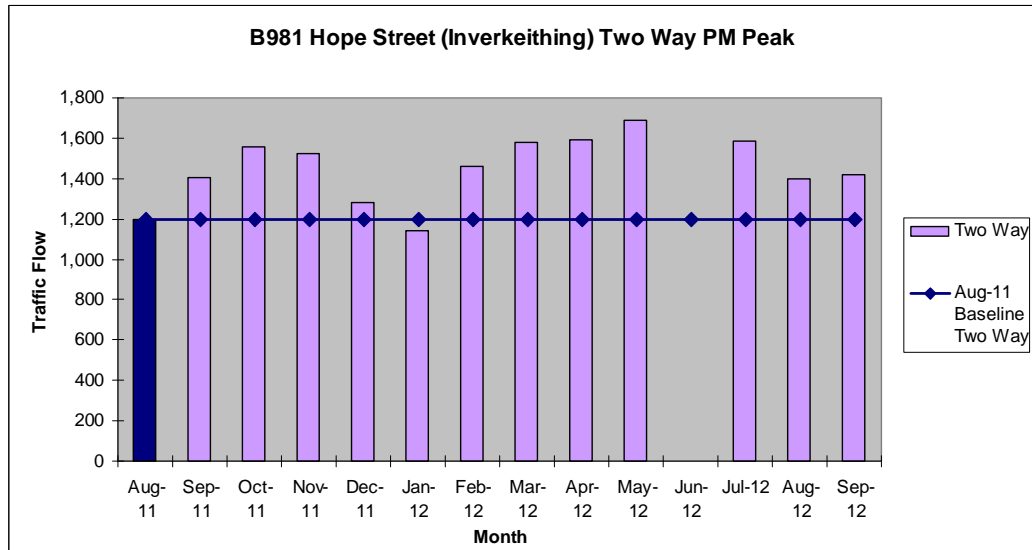


Figure 5-161 Monthly Two Way PM Peak Flows on the B981 Hope Street (Inverkeithing)

5.9.4 Monthly Average HGV Flows

Table 5-60 Site: JTC00594 Annual HGV Traffic Flows – August 2011 to September 2012

Counter	Location	Date	NB	SB	Two Way
JTC00594	B981 Hope Street (Inverkeithing)	Aug-11	67	52	119
		Sep-11	143	106	248
		Oct-11	149	110	259
		Nov-11	142	99	242
		Dec-11	137	72	209
		Jan-12	120	65	184
		Feb-12	144	101	246
		Mar-12	154	107	261
		Apr-12	126	91	217
		May-12	154	115	269
		Jun-12	No Data	No Data	No Data
		Jul-12	145	107	252
		Aug-12	142	110	252
		Sep-12	152	114	266
			Annual Average		122

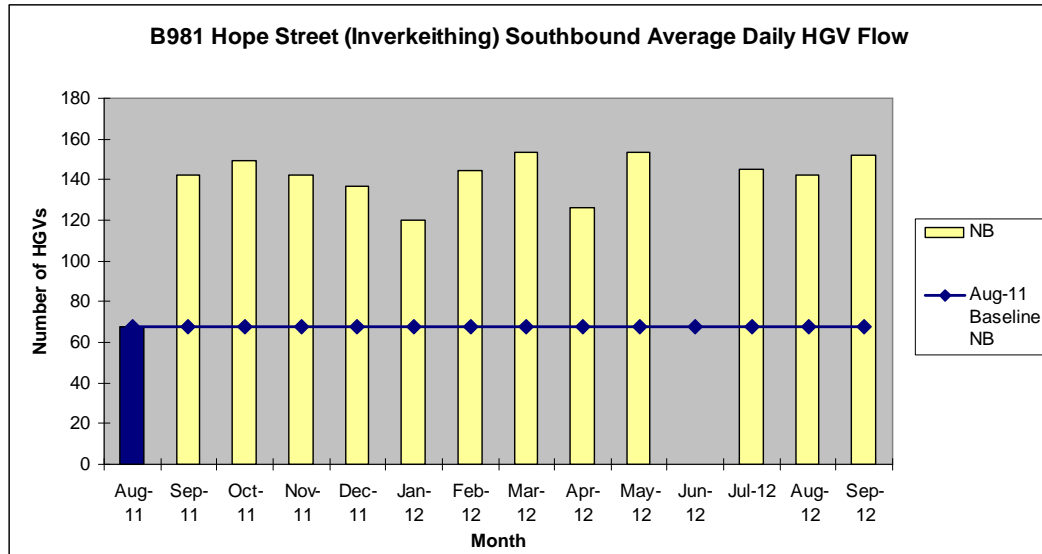


Figure 5-162 Monthly Southbound HGV Flows on the B981 Hope Street (Inverkeithing)

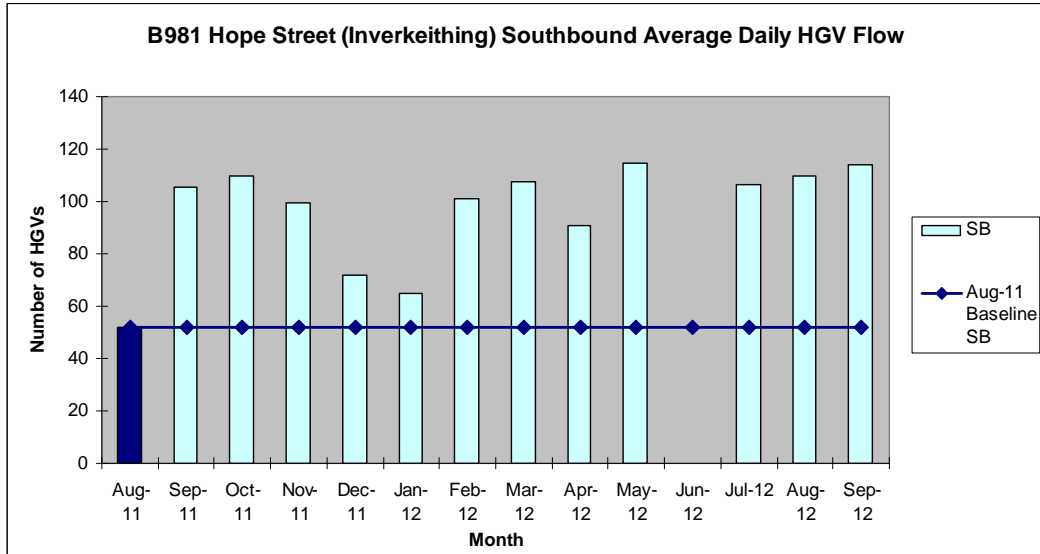


Figure 5-163 Monthly Northbound HGVS Flows on the B981 Hope Street (Inverkeithing)

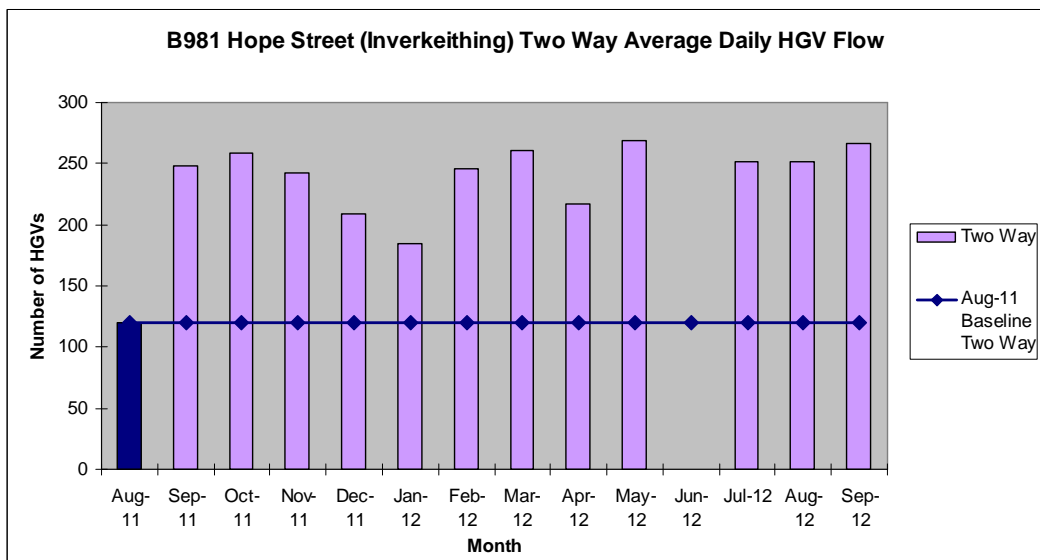


Figure 5-164 Monthly Two Way HGVS Flows on the B981 Hope Street (Inverkeithing)

5.9.5 Monthly Average AM Peak HGV Flows

Table 5-61 Site: JTC00594 AM Peak HGV Traffic Flows – August 2011 to September 2012

Counter	Location	Date	NB	SB	Two Way
JTC00594	B981 Hope Street (Inverkeithing)	Aug-11	12	10	22
		Sep-11	25	20	45
		Oct-11	25	23	48
		Nov-11	25	23	48
		Dec-11	23	15	37
		Jan-12	19	13	33
		Feb-12	23	21	43
		Mar-12	25	20	45
		Apr-12	20	18	38
		May-12	26	23	49
		Jun-12	No Data	No Data	No Data
		Jul-12	23	20	43
		Aug-12	25	22	47
		Sep-12	25	23	47
		Annual Average		22	19

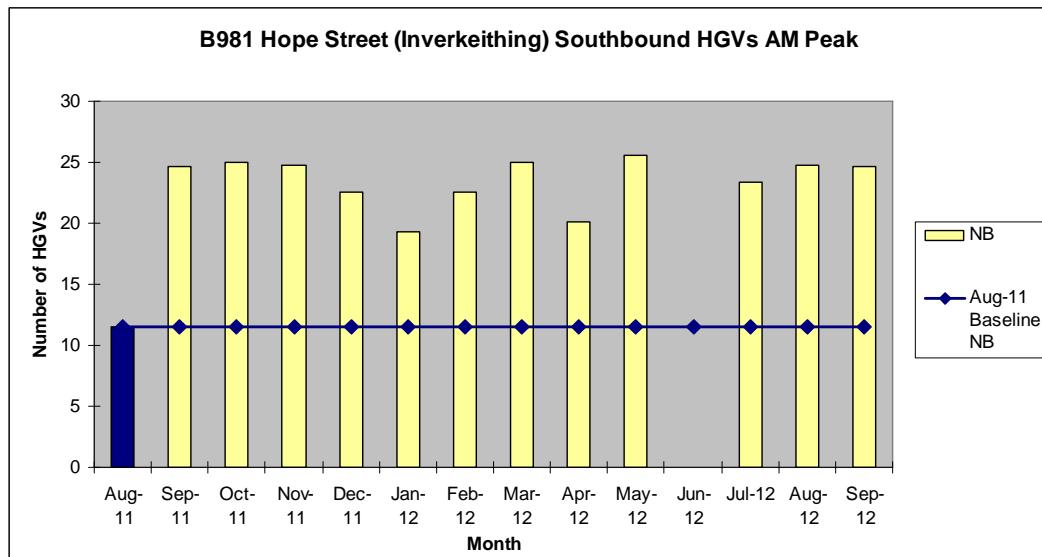


Figure 5-165 Monthly Northbound AM Peak HGV Flows on the B981 Hope Street (Inverkeithing)

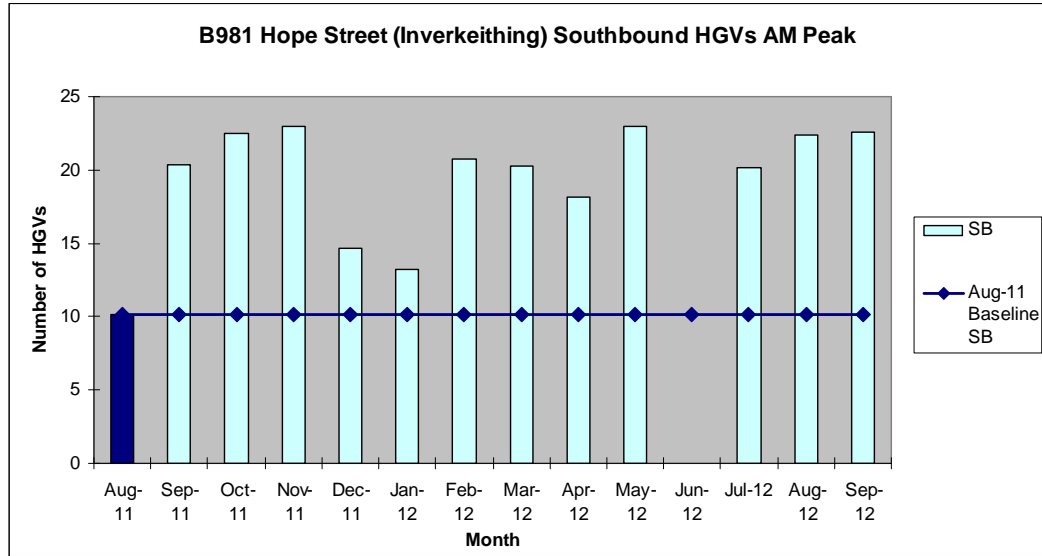


Figure 5-166 Monthly Southbound AM Peak HGV Flows on the B981 Hope Street (Inverkeithing)

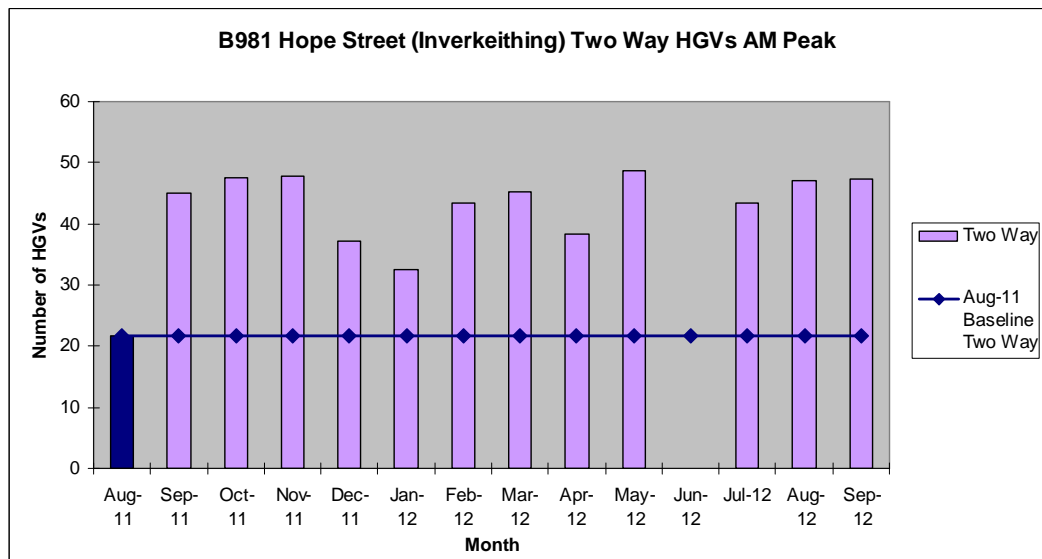


Figure 5-167 Monthly Two Way AM Peak HGV Flows on the B981 Hope Street (Inverkeithing)

5.9.6 Monthly Average PM Peak HGV Flows

Table 5-62 Site: JTC00594 PM Peak HGV Traffic Flows – August 2011 to September 2012

Counter	Location	Date	NB	SB	Two Way
JTC00594	B981 Hope Street (Inverkeithing)	Aug-11	15	10	25
		Sep-11	30	22	52
		Oct-11	32	22	53
		Nov-11	30	20	50
		Dec-11	29	15	44
		Jan-12	25	14	40
		Feb-12	31	20	51
		Mar-12	32	22	54
		Apr-12	27	18	44
		May-12	32	21	53
		Jun-12	No Data	No Data	No Data
		Jul-12	31	21	52
		Aug-12	28	20	48
		Sep-12	32	21	53
	Annual Average	28	19	47	

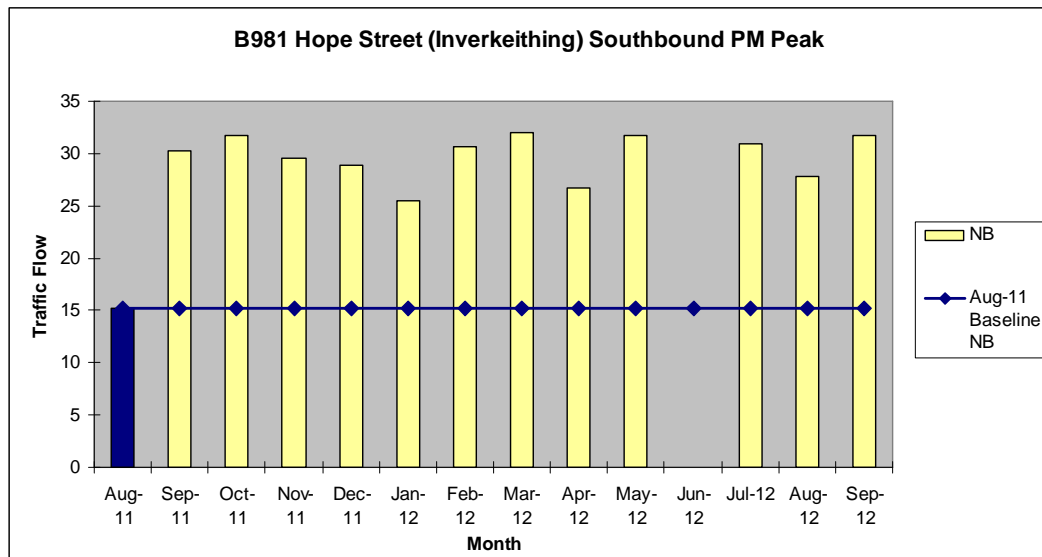


Figure 5-168 Monthly Northbound PM HGV Peak Flows on the B981 Hope Street (Inverkeithing)

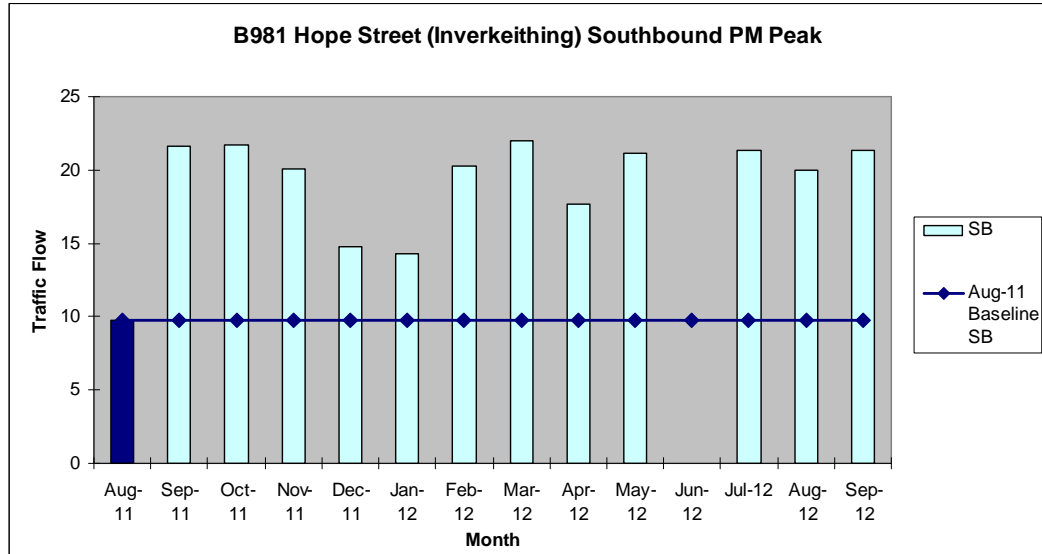


Figure 5-169 Monthly Southbound PM Peak HGV Flows on the B981 Hope Street (Inverkeithing)

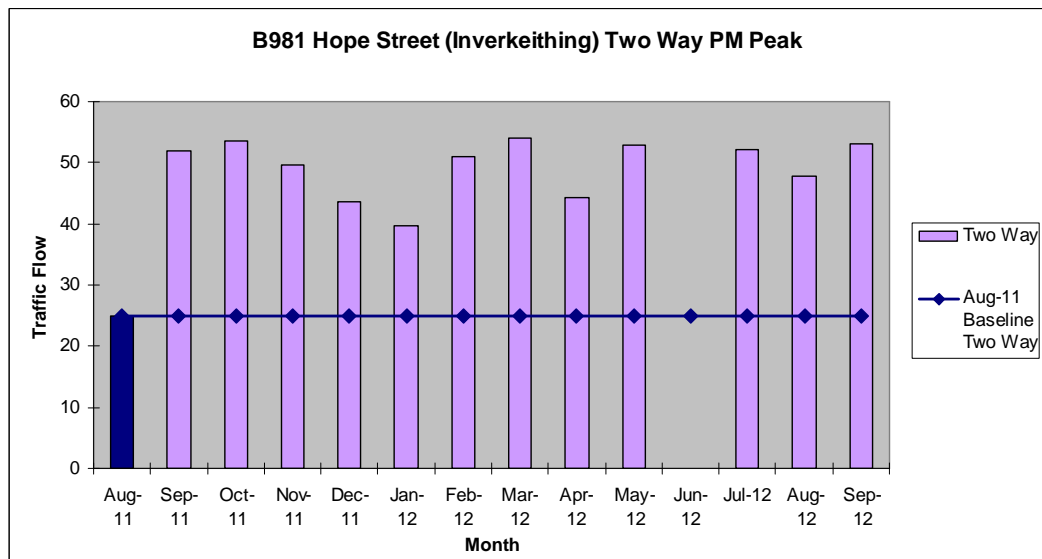


Figure 5-170 Monthly Two Way PM Peak HGV Flows on the B981 Hope Street (Inverkeithing)

5.9.7 Monthly Average All Vehicles Traffic Speeds

Table 5-63 Site: JTC00594 Average Monthly Traffic Speeds (KPH) (All Vehicles) – August 2011 to September 2012

Counter	Location	Date	NB	SB
JTC00594	B981 Hope Street (Inverkeithing)	Aug-11	38	37
		Sep-11	51	49
		Oct-11	50	49
		Nov-11	48	47
		Dec-11	50	49
		Jan-12	49	48
		Feb-12	49	48
		Mar-12	51	50
		Apr-12	48	48
		May-12	51	50
		Jun-12	No Data	No Data
		Jul-12	49	49
		Aug-12	50	50
		Sep-12	51	50

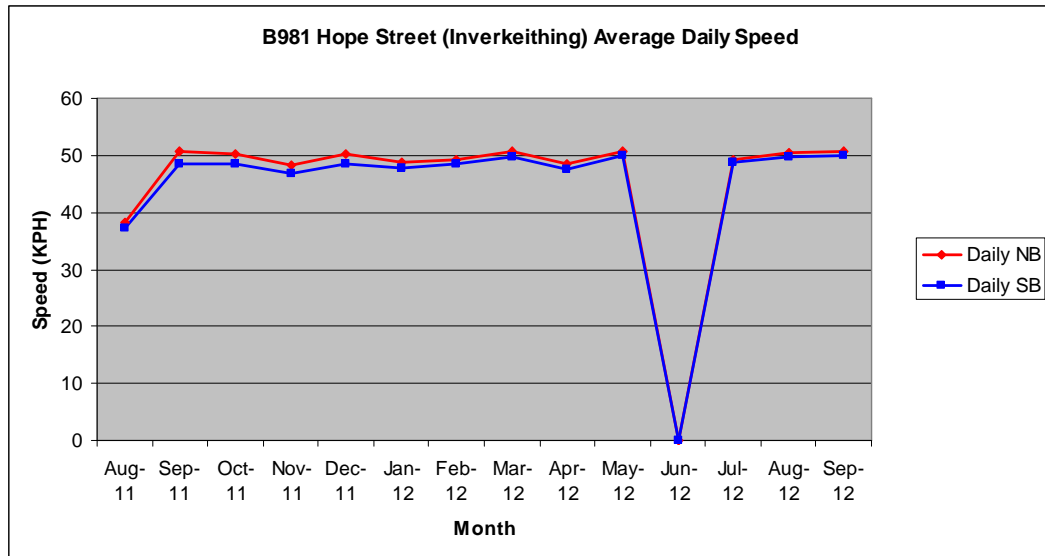


Figure 5-171 Average Monthly Traffic Speeds (KPH) on the B981 Hope Street (Inverkeithing)

5.10 Traffic Counter JTC00595 – B981 North Queensferry

5.10.1 Monthly Average Traffic Flows

Table 3-64 Site: JTC00595 Annual Traffic Flows – August 2011 to September 2012

Counter	Location	Date	NB	SB	Two Way
JTC00595	B981 North Queensferry	Aug-11	1,381	1,349	2,730
		Sep-11	1,183	1,137	2,320
		Oct-11	1,095	1,040	2,135
		Nov-11	1,027	977	2,003
		Dec-11	757	725	1,482
		Jan-12	674	692	1,366
		Feb-12	1,052	1,008	2,060
		Mar-12	1,084	1,019	2,103
		Apr-12	1,214	1,169	2,384
		May-12	1,152	1,109	2,262
		Jun-12	1,178	1,143	2,321
		Jul-12	1,224	1,195	2,419
		Aug-12	1,268	1,234	2,502
		Sep-12	1,089	1,060	2,149
				Annual Average	1,085

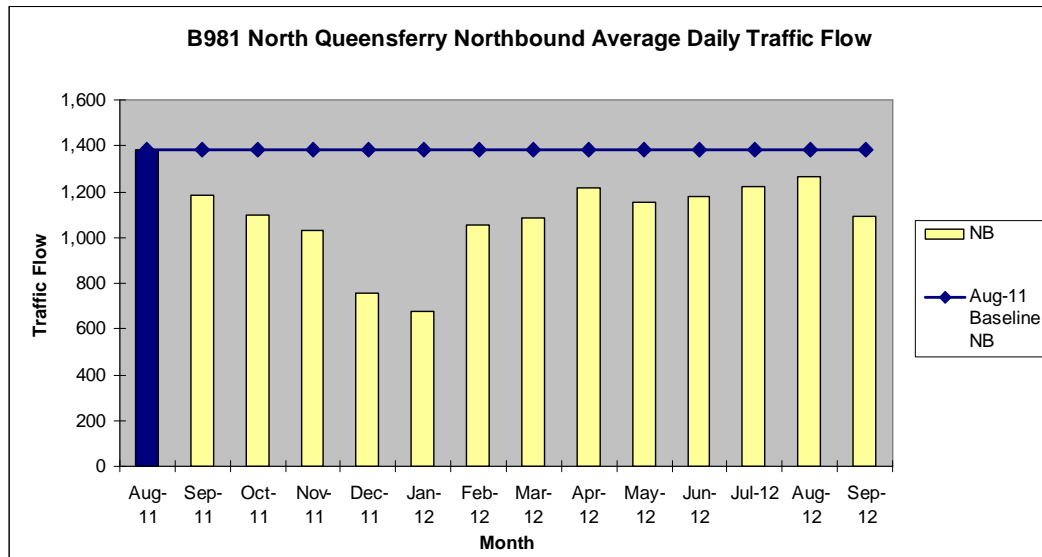


Figure 5-172 Monthly Northbound AADTs on the B981 North Queensferry

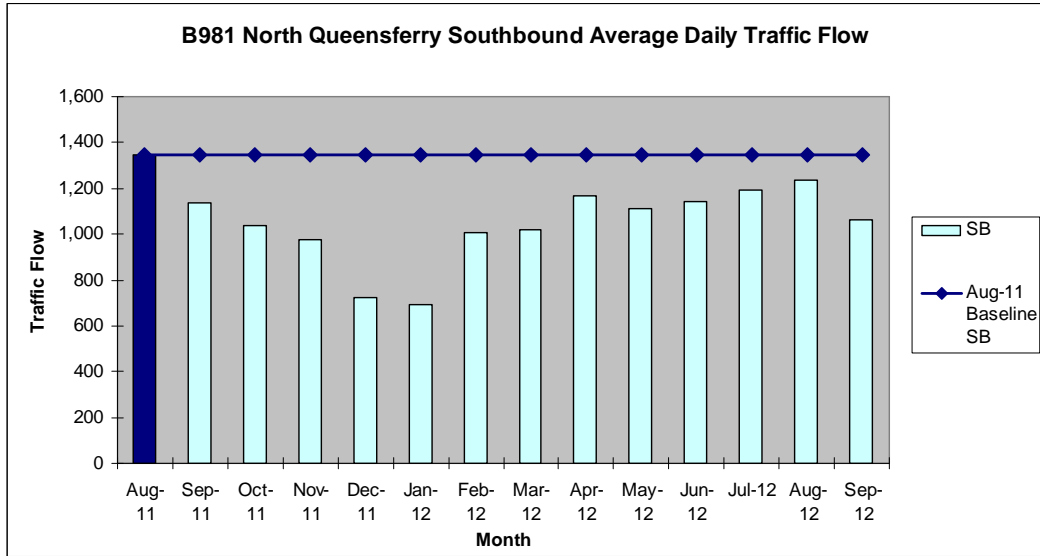


Figure 5-173 Monthly Southbound AADTs on the B981 North Queensferry

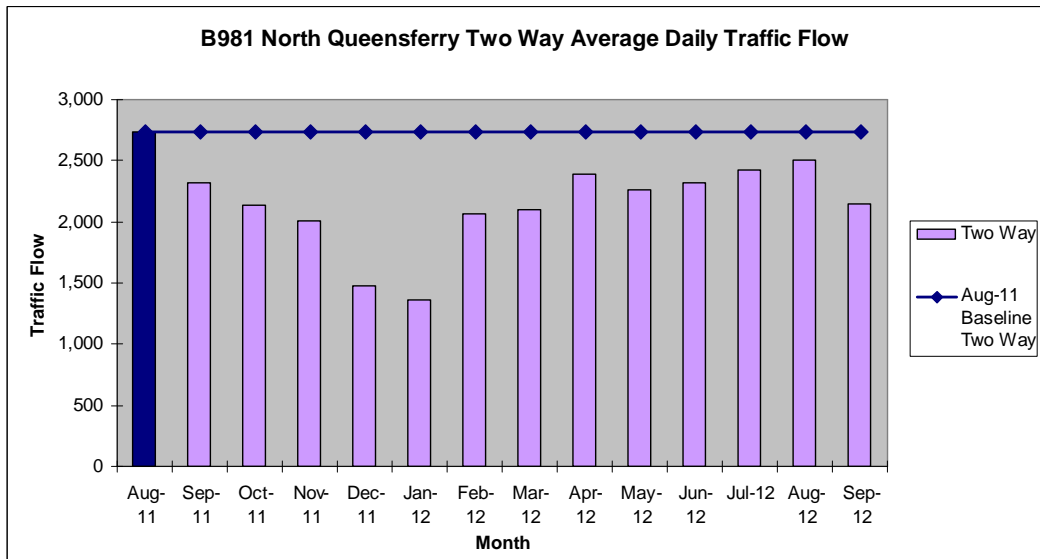


Figure 5-174 Monthly Two Way Daily Traffic Flows on the B981 North Queensferry

5.10.2 Monthly Average AM Peak Traffic Flows

Table 5-65 Site: JTC00595 AM Peak Traffic Flows – August 2011 to September 2012

Counter	Location	Date	NB	SB	Two Way
JTC00595	B981 North Queensferry	Aug-11	191	143	334
		Sep-11	204	130	334
		Oct-11	177	118	295
		Nov-11	167	99	266
		Dec-11	105	59	164
		Jan-12	15	9	24
		Feb-12	153	83	236
		Mar-12	167	99	266
		Apr-12	177	129	306
		May-12	200	138	338
		Jun-12	185	130	315
		Jul-12	159	114	273
		Aug-12	179	124	303
		Sep-12	173	113	286
		Annual Average			158

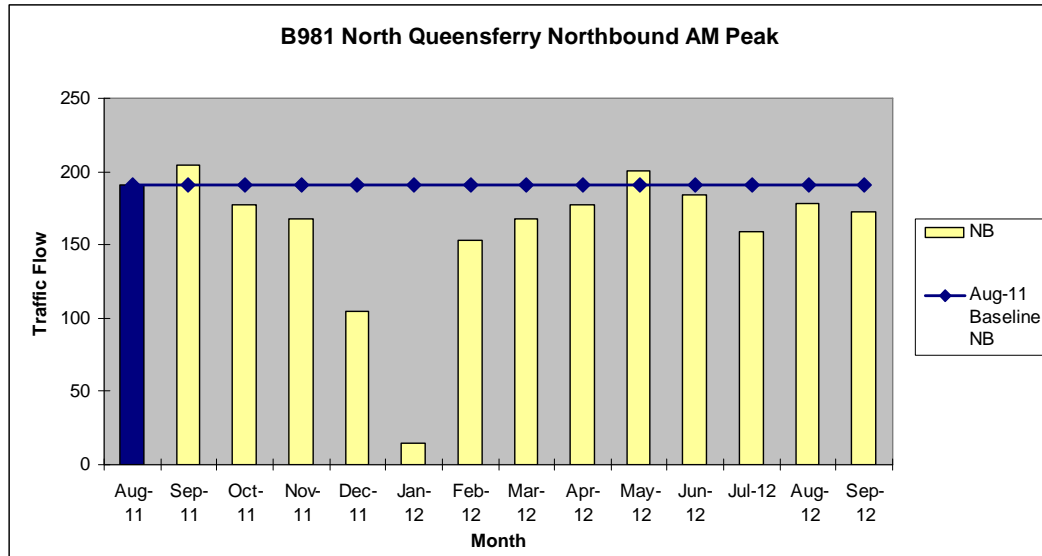


Figure 5-175 Monthly Northbound AM Peak Flows on the B981 North Queensferry

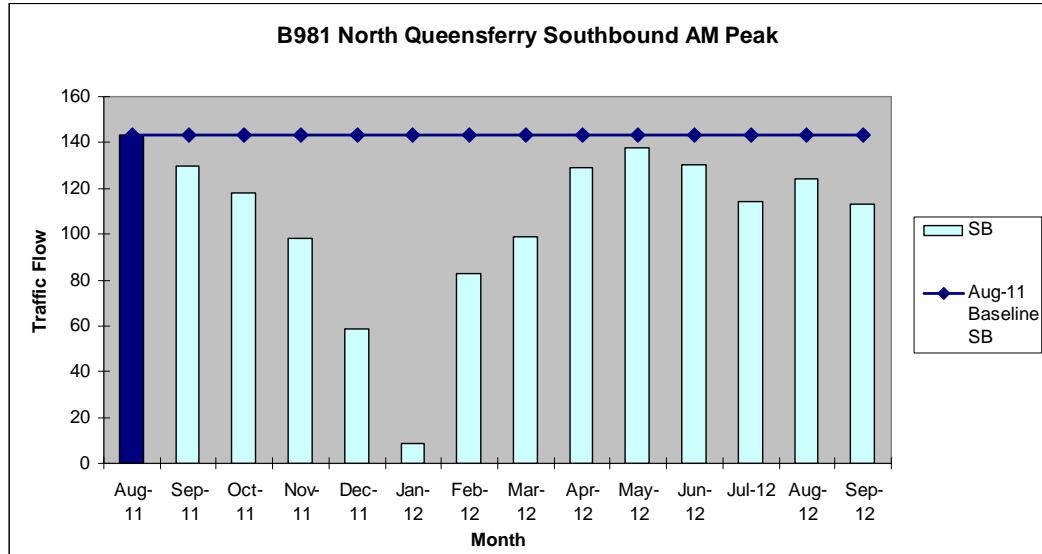


Figure 5-176 Monthly Southbound AM Peak Flows on the B981 North Queensferry

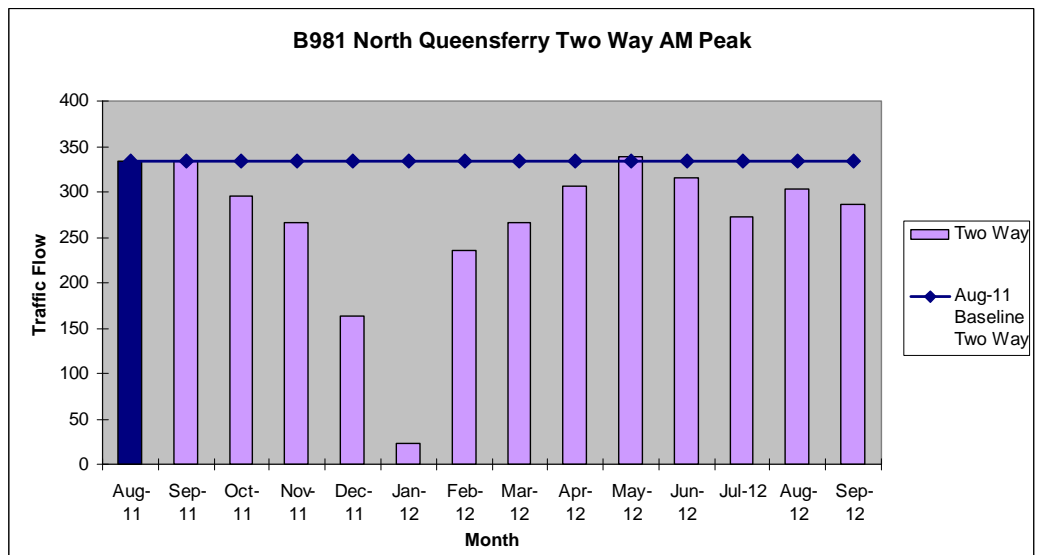


Figure 5-177 Monthly Two Way AM Peak Flows on the B981 North Queensferry

5.10.3 Monthly Average PM Peak Traffic Flows

Table 5-66 Site: JTC00595 PM Peak Traffic Flows – August 2011 to September 2012

Counter	Location	Date	NB	SB	Two Way
JTC00595	B981 North Queensferry	Aug-11	290	252	543
		Sep-11	242	236	478
		Oct-11	226	200	426
		Nov-11	240	207	447
		Dec-11	179	166	345
		Jan-12	220	183	403
		Feb-12	263	204	466
		Mar-12	256	217	473
		Apr-12	246	219	464
		May-12	232	241	473
		Jun-12	233	224	457
		Jul-12	242	218	461
		Aug-12	256	243	499
		Sep-12	217	222	439
		Annual Average			239

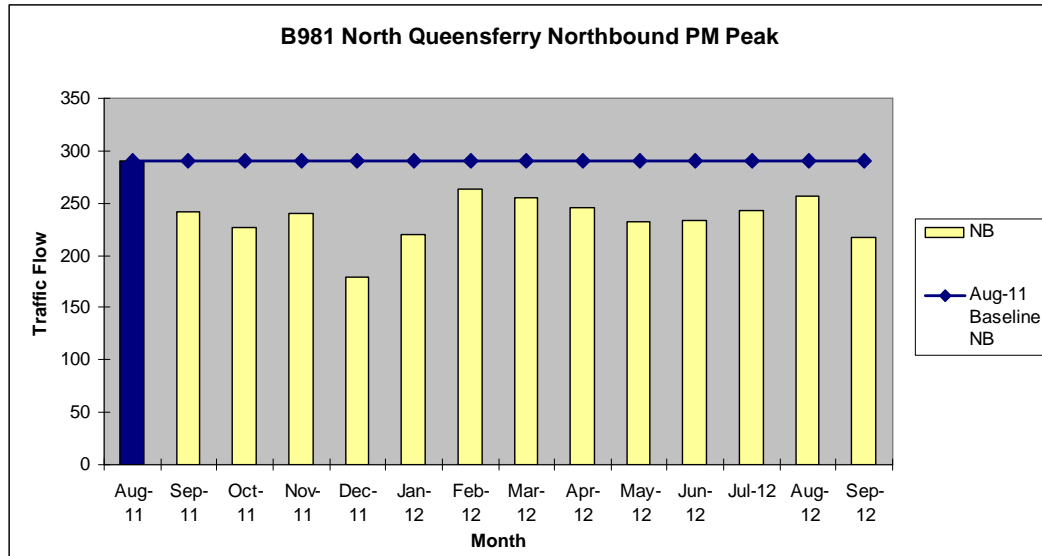


Figure 5-178 Monthly Northbound PM Peak Flows on the B981 North Queensferry

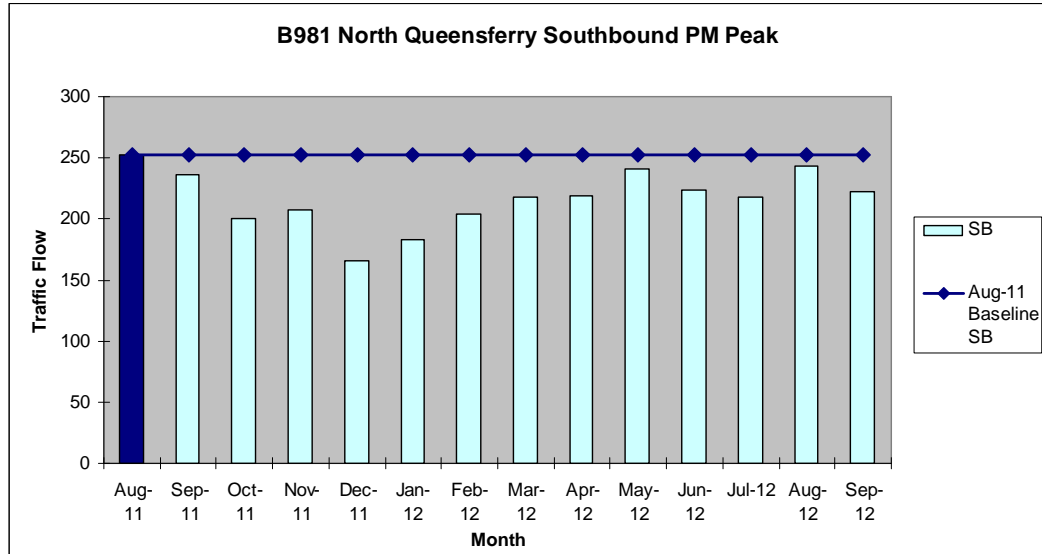


Figure 5-179 Monthly Southbound PM Peak Flows on the B981 North Queensferry

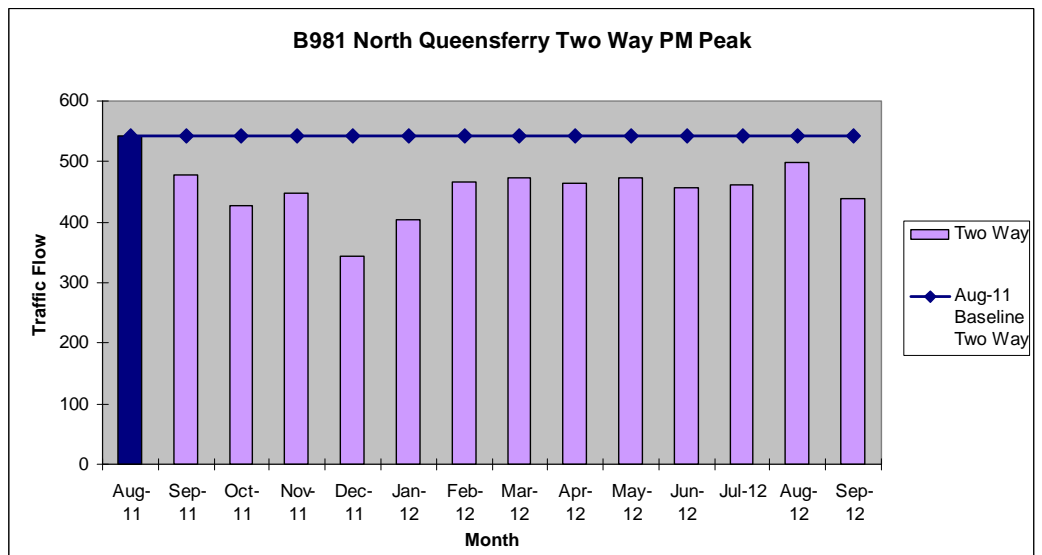


Figure 5-180 Monthly Two Way PM Peak Flows on the B981 North Queensferry

5.10.4 Monthly Average HGV Flows

Table 5-67 Site: JTC00595 Annual HGV Traffic Flows – August 2011 to September 2012

Counter	Location	Date	NB	SB	Two Way
JTC00595	B981 North Queensferry	Aug-11	11	19	30
		Sep-11	11	19	30
		Oct-11	12	16	27
		Nov-11	9	15	25
		Dec-11	9	12	21
		Jan-12	6	9	15
		Feb-12	7	15	22
		Mar-12	9	15	24
		Apr-12	9	16	25
		May-12	9	17	27
		Jun-12	9	19	28
		Jul-12	7	15	21
		Aug-12	7	17	25
		Sep-12	9	18	27
				Annual Average	9

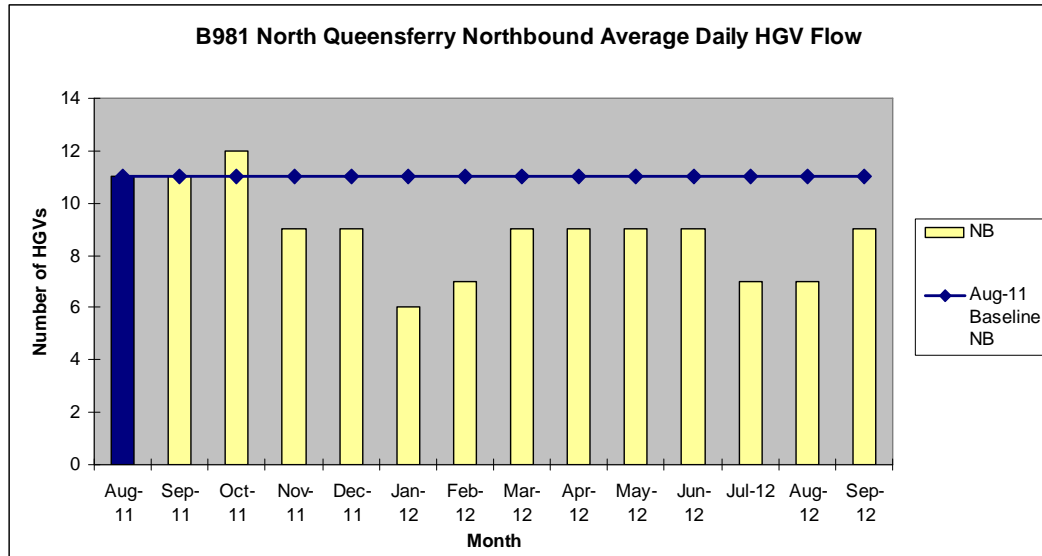


Figure 5-181 Monthly Northbound HGV Flows on the B981 North Queensferry

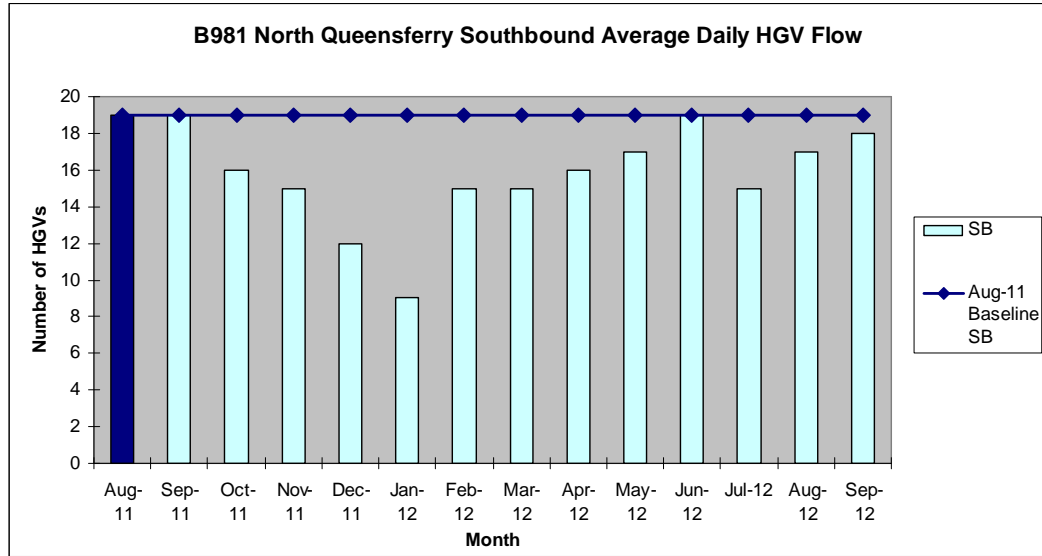


Figure 5-182 Monthly Southbound HGVS Flows on the B981 North Queensferry

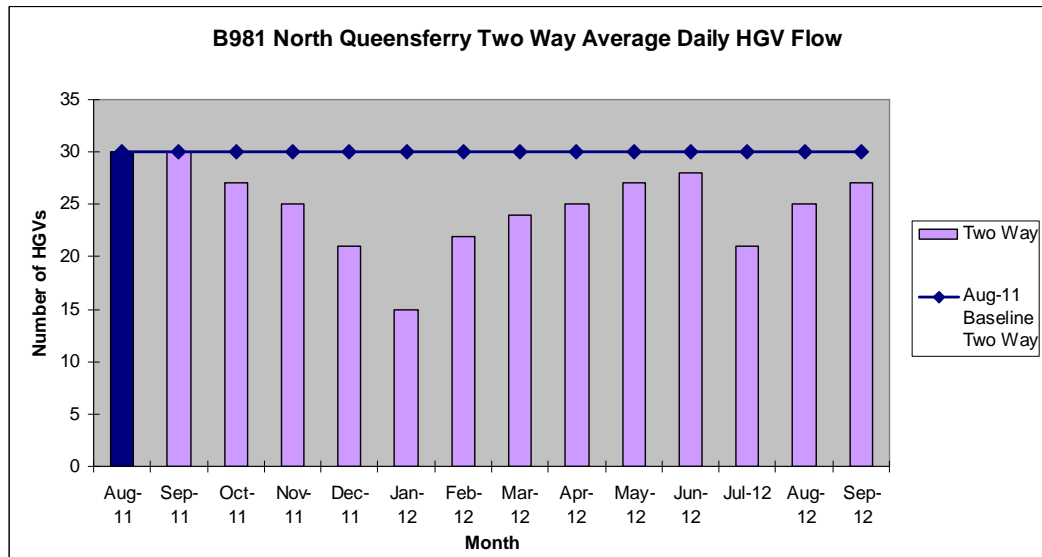


Figure 5-183 Monthly Two Way HGVS Flows on the B981 North Queensferry

5.10.5 Monthly Average AM Peak HGV Flows

Table 5-68 Site: JTC00595 AM Peak HGV Traffic Flows – August 2011 to September 2012

Counter	Location	Date	NB	SB	Two Way
JTC00595	B981 North Queensferry	Aug-11	2	3	6
		Sep-11	2	3	4
		Oct-11	1	2	3
		Nov-11	1	2	3
		Dec-11	1	2	3
		Jan-12	0	0	0
		Feb-12	0	2	2
		Mar-12	1	2	3
		Apr-12	1	2	3
		May-12	1	3	4
		Jun-12	1	3	4
		Jul-12	1	2	3
		Aug-12	1	3	3
		Sep-12	1	3	3
		Annual Average	1	2	3

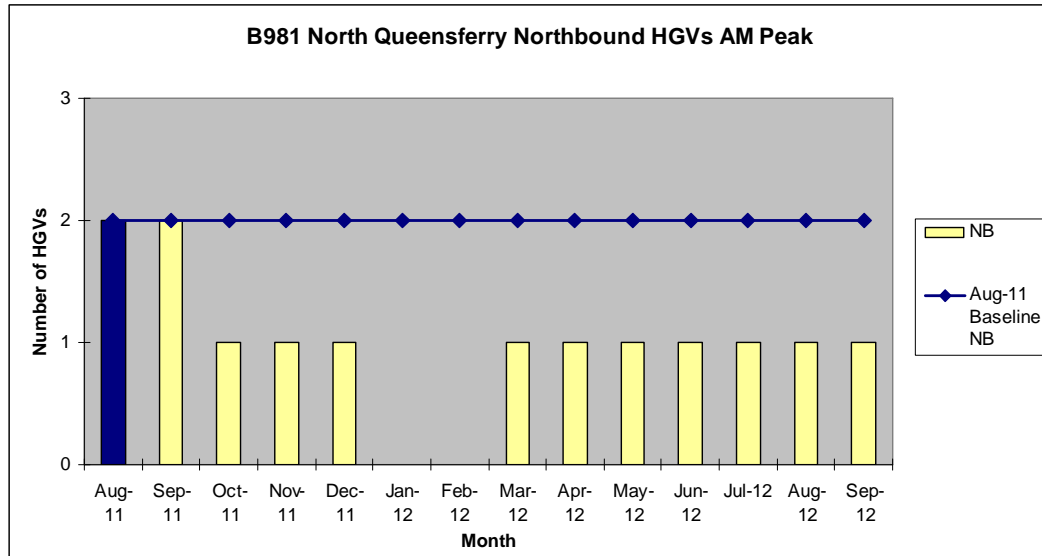


Figure 5-184 Monthly Northbound AM Peak HGV Flows on the B981 North Queensferry

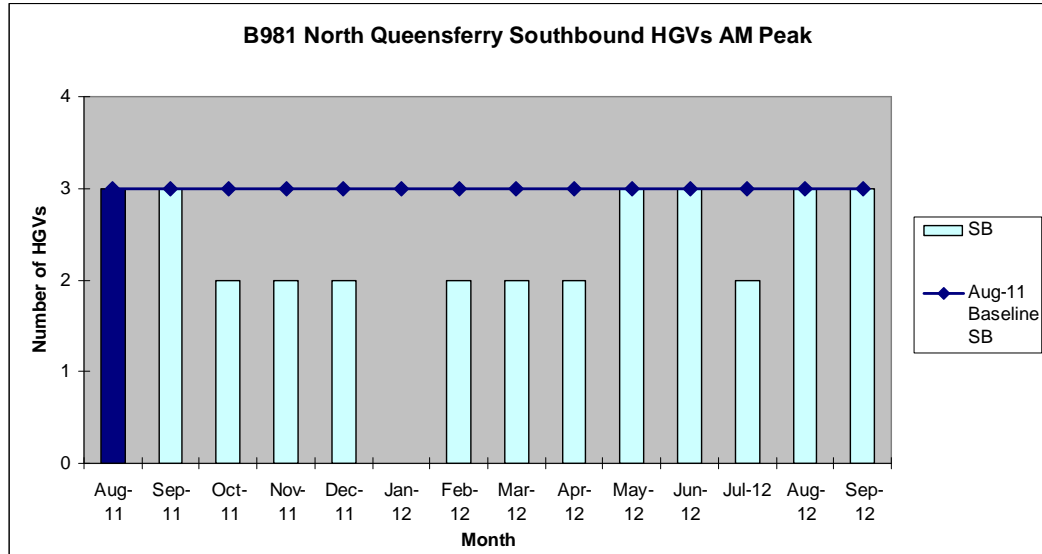


Figure 5-185 Monthly Southbound AM Peak HGV Flows on the B981 North Queensferry

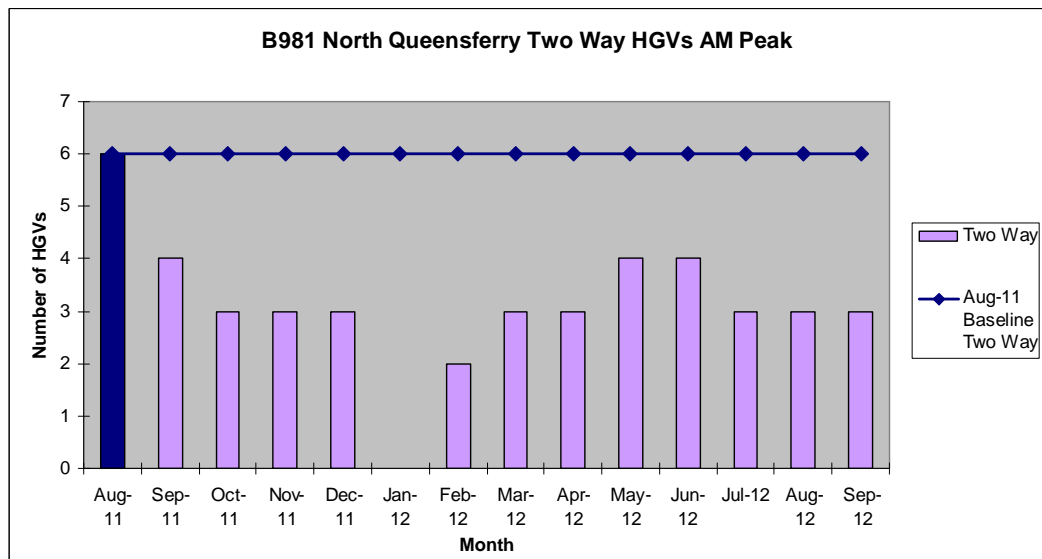


Figure 5-186 Monthly Two Way AM Peak HGV Flows on the B981 North Queensferry

5.10.6 Monthly Average PM Peak HGV Flows

Table 5-69 Site: JTC00595 PM Peak HGV Traffic Flows – August 2011 to September 2012

Counter	Location	Date	NB	SB	Two Way
JTC00595	B981 North Queensferry	Aug-11	2	5	7
		Sep-11	2	5	7
		Oct-11	3	4	6
		Nov-11	1	3	4
		Dec-11	2	2	4
		Jan-12	1	2	4
		Feb-12	1	3	4
		Mar-12	2	3	4
		Apr-12	2	4	5
		May-12	2	4	6
		Jun-12	2	5	7
		Jul-12	1	3	4
		Aug-12	1	4	6
		Sep-12	2	4	5
		Annual Average			2

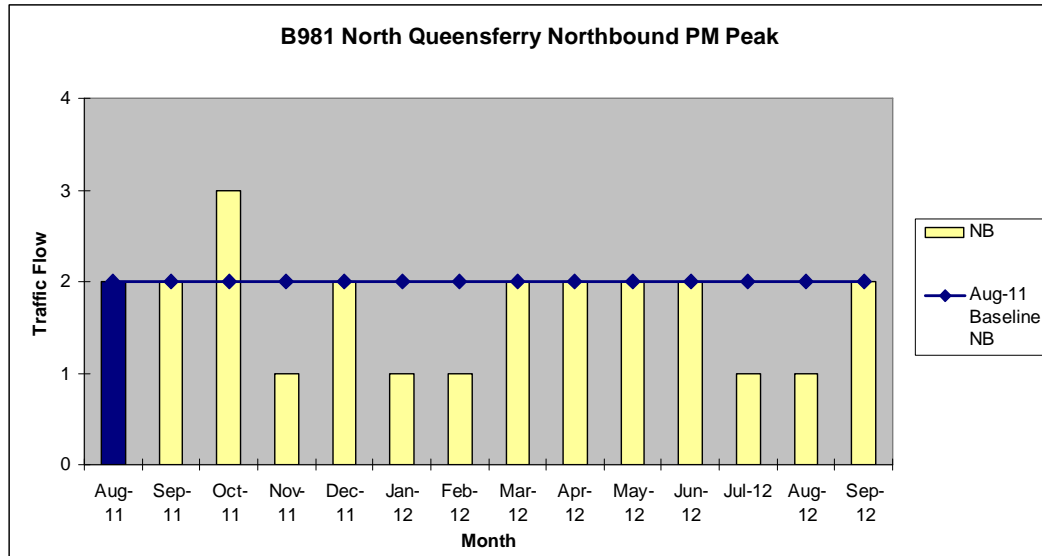


Figure 5-187 Monthly Northbound PM HGV Peak Flows on the B981 North Queensferry

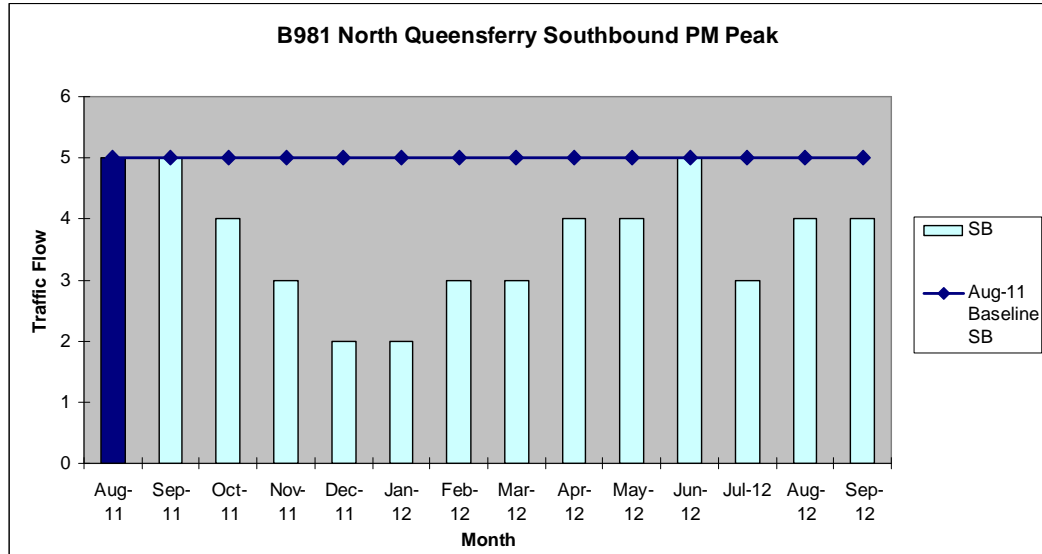


Figure 5-188 Monthly Southbound PM Peak HGV Flows on the B981 North Queensferry

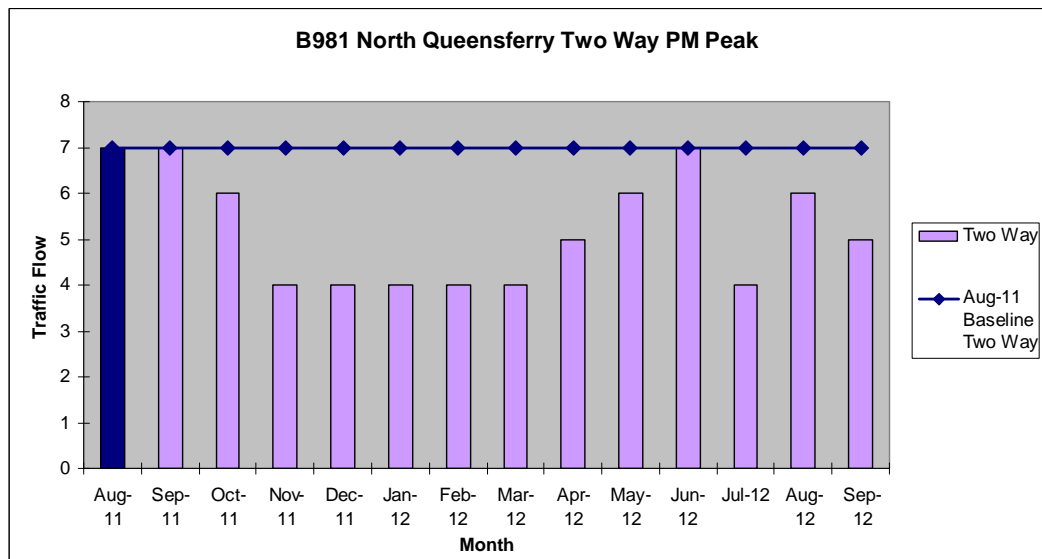


Figure 5-189 Monthly Two Way PM Peak HGV Flows on the B981 North Queensferry

5.10.7 Monthly Average All Vehicles Traffic Speeds

Table 5-70 Site: JTC00595 Average Monthly Traffic Speeds (KPH) (All Vehicles) – August 2011 to September 2012

Counter	Location	Date	NB	SB
JTC00595	B981 North Queensferry	Aug-11	44	43
		Sep-11	44	43
		Oct-11	45	43
		Nov-11	44	42
		Dec-11	40	38
		Jan-12	31	31
		Feb-12	44	42
		Mar-12	44	42
		Apr-12	43	43
		May-12	42	42
		Jun-12	42	43
		Jul-12	43	42
		Aug-12	41	41
Sep-12	42	42		

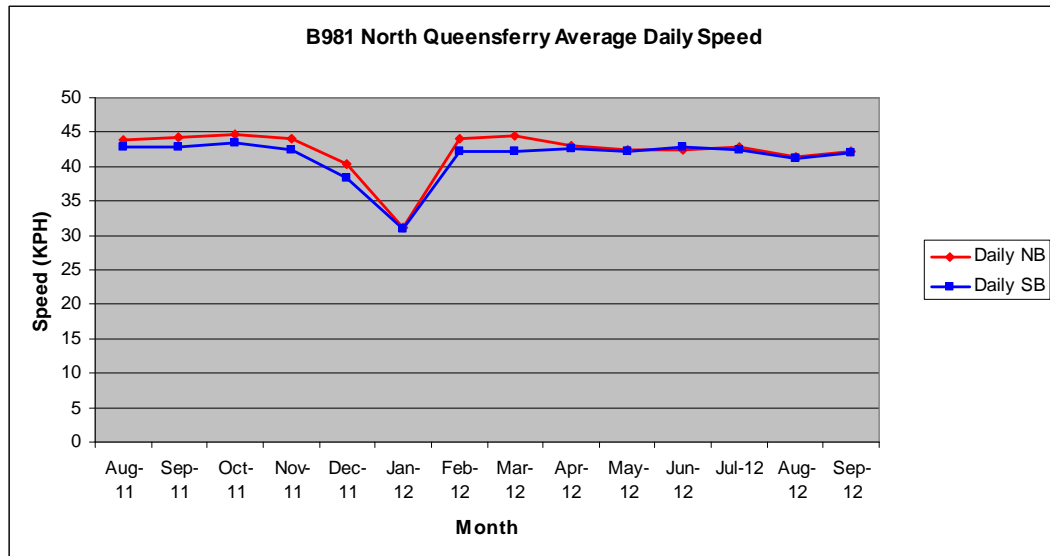


Figure 5-190 Average Monthly Traffic Speeds (KPH) on the B981 North Queensferry

5.11 Traffic Counter JTC00599 – B8046 Old Philstoun

5.11.1 Monthly Average Traffic Flows

Table 3-71 Site: JTC00599 Annual Traffic Flows – August 2011 to September 2012

Counter	Location	Date	NB	SB	Two Way
JTC00599	B8046 Old Philstoun	Aug-11	4,290	4,659	8,949
		Sep-11	4,035	4,523	8,558
		Oct-11	3,733	4,130	7,863
		Nov-11	3,764	4,318	8,082
		Dec-11	3,323	3,860	7,184
		Jan-12	2,820	3,266	6,086
		Feb-12	3,947	4,413	8,359
		Mar-12	4,134	4,592	8,726
		Apr-12	4,008	4,324	8,333
		May-12	4,319	4,754	9,073
		Jun-12	4,163	4,659	8,822
		Jul-12	3,186	2,851	6,037
		Aug-12	2,404	941	3,345
		Sep-12	3,865	4,269	8,135
		Annual Average			3,810

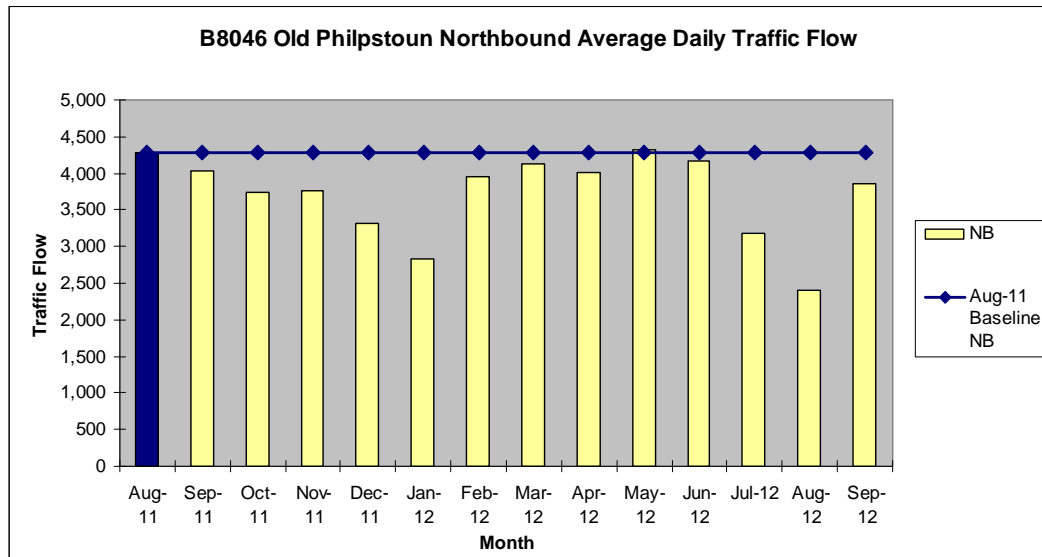


Figure 5-191 Monthly Northbound AADTs on the B8046 Old Philstoun

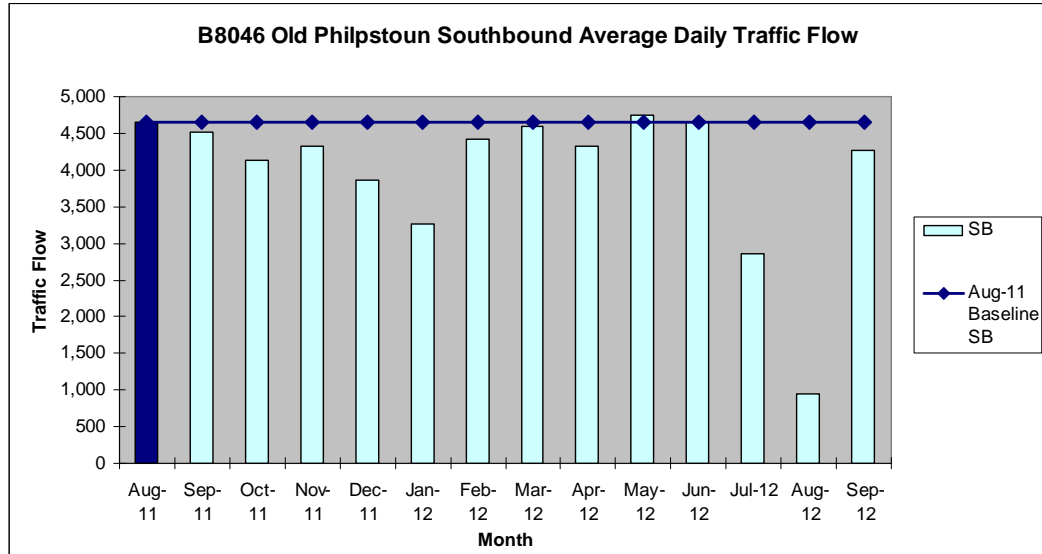


Figure 5-192 Monthly Southbound AADTs on the B8046 Old Philstoun

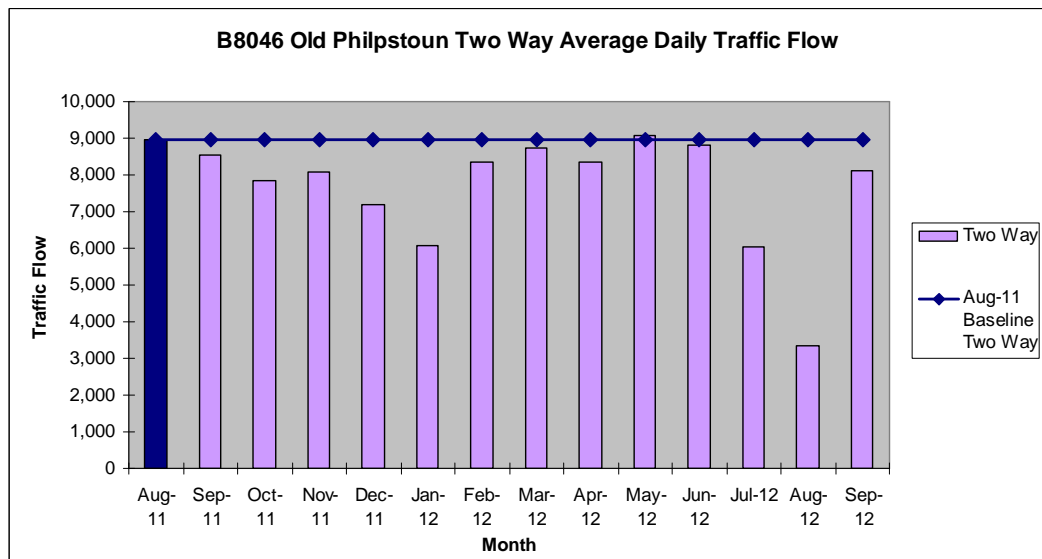


Figure 5-193 Monthly Two Way Daily Traffic Flows on the B8046 Old Philstoun

5.11.2 Monthly Average AM Peak Traffic Flows

Table 5-72 Site: JTC00599 AM Peak Traffic Flows – August 2011 to September 2012

Counter	Location	Date	NB	SB	Two Way
JTC00599	B8046 Old Philstoun	Aug-11	979	808	1,787
		Sep-11	936	842	1,779
		Oct-11	875	741	1,616
		Nov-11	820	738	1,559
		Dec-11	662	604	1,266
		Jan-12	491	484	975
		Feb-12	869	765	1,634
		Mar-12	908	802	1,711
		Apr-12	881	774	1,655
		May-12	972	891	1,864
		Jun-12	904	850	1,755
		Jul-12	708	516	1,224
		Aug-12	519	153	672
		Sep-12	783	770	1,553
		Annual Average			834

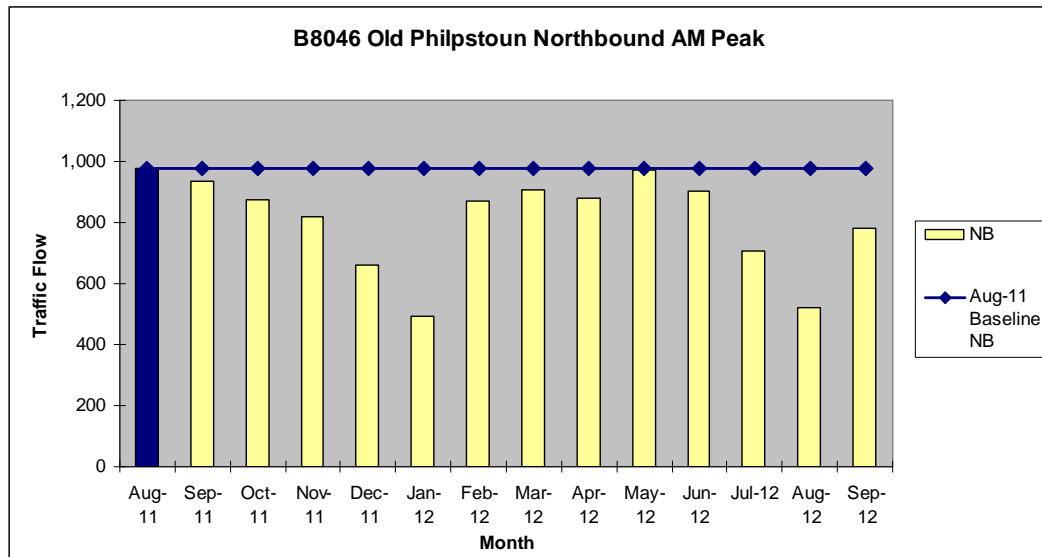


Figure 5-194 Monthly Northbound AM Peak Flows on the B8046 Old Philstoun

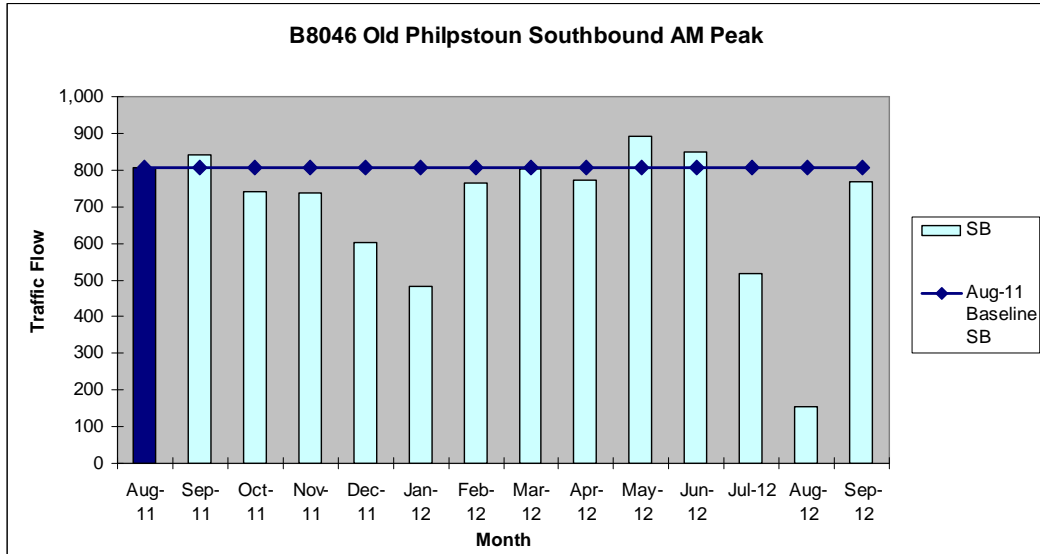


Figure 5-195 Monthly Southbound AM Peak Flows on the B8046 Old Philstoun

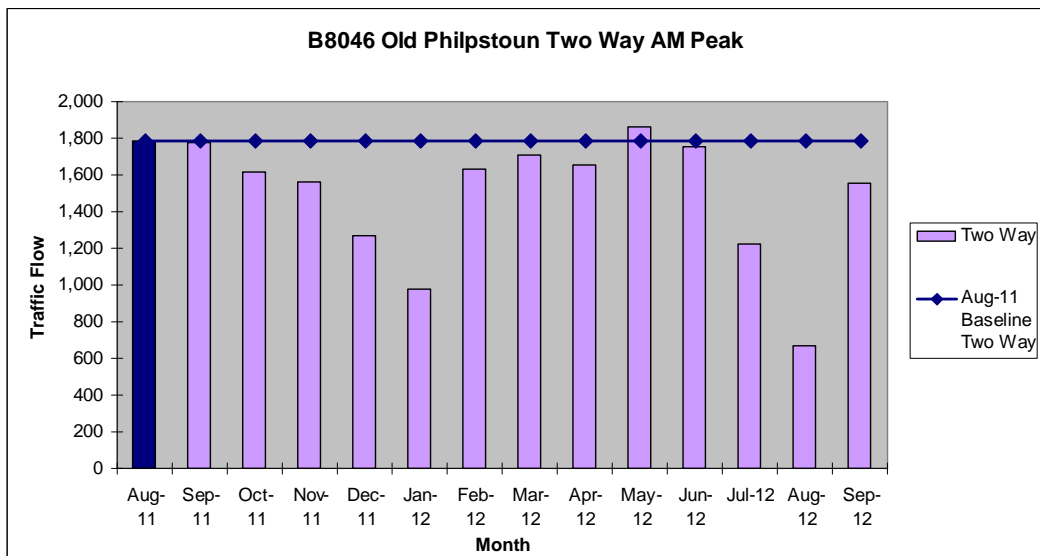


Figure 5-196 Monthly Two Way AM Peak Flows on the B8046 Old Philstoun

5.11.3 Monthly Average PM Peak Traffic Flows

Table 5-73 Site: JTC00599 PM Peak Traffic Flows – August 2011 to September 2012

Counter	Location	Date	NB	SB	Two Way
JTC00599	B8046 Old Philstoun	Aug-11	967	1,318	2,285
		Sep-11	921	1,275	2,196
		Oct-11	830	1,168	1,998
		Nov-11	853	1,254	2,107
		Dec-11	721	1,070	1,791
		Jan-12	684	995	1,678
		Feb-12	902	1,286	2,188
		Mar-12	949	1,320	2,270
		Apr-12	908	1,211	2,119
		May-12	960	1,348	2,307
		Jun-12	922	1,273	2,195
		Jul-12	703	748	1,451
		Aug-12	501	166	667
		Sep-12	890	1,199	2,089
		Annual Average			860

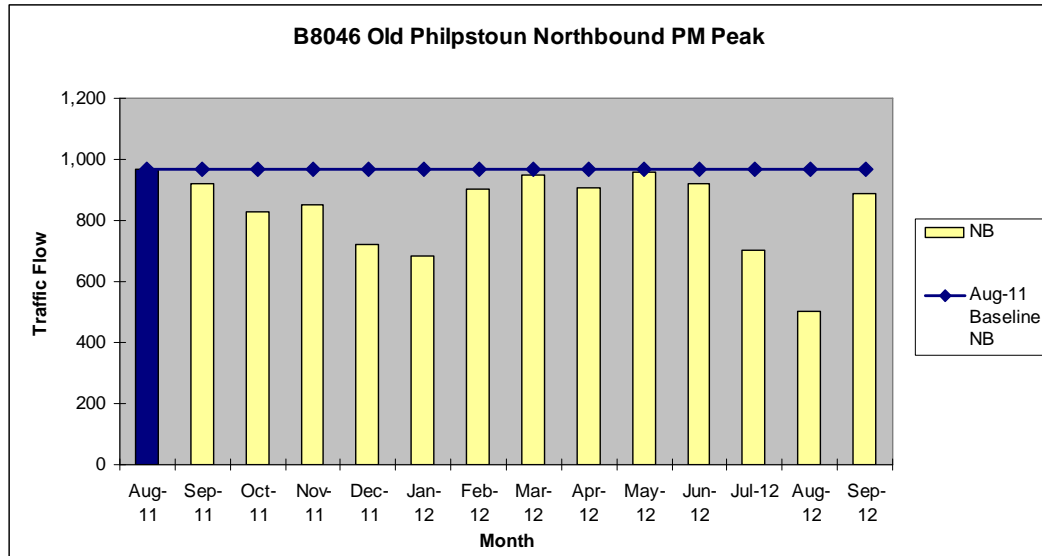


Figure 5-197 Monthly Northbound PM Peak Flows on the B8046 Old Philstoun

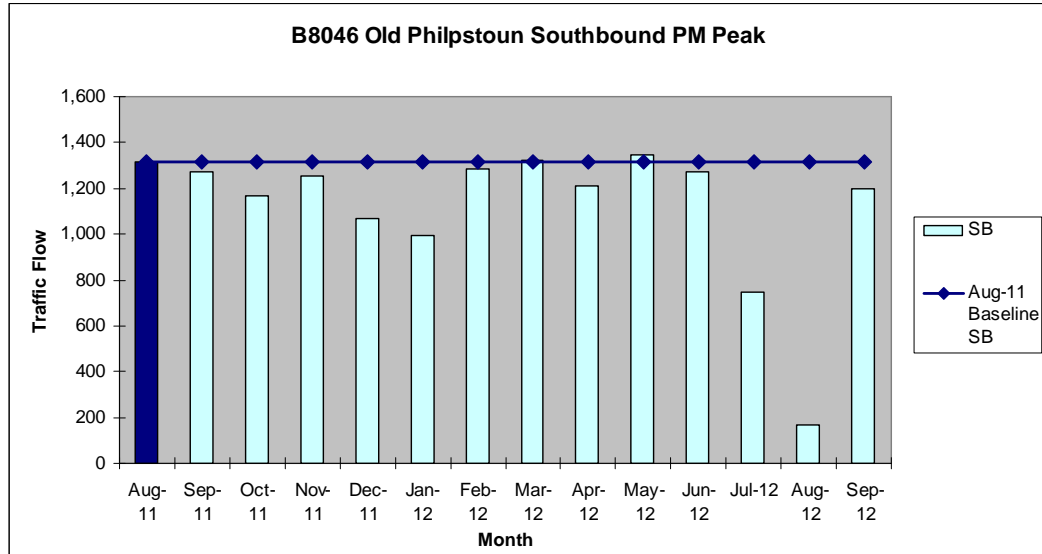


Figure 5-198 Monthly Southbound PM Peak Flows on the B8046 Old Philstoun

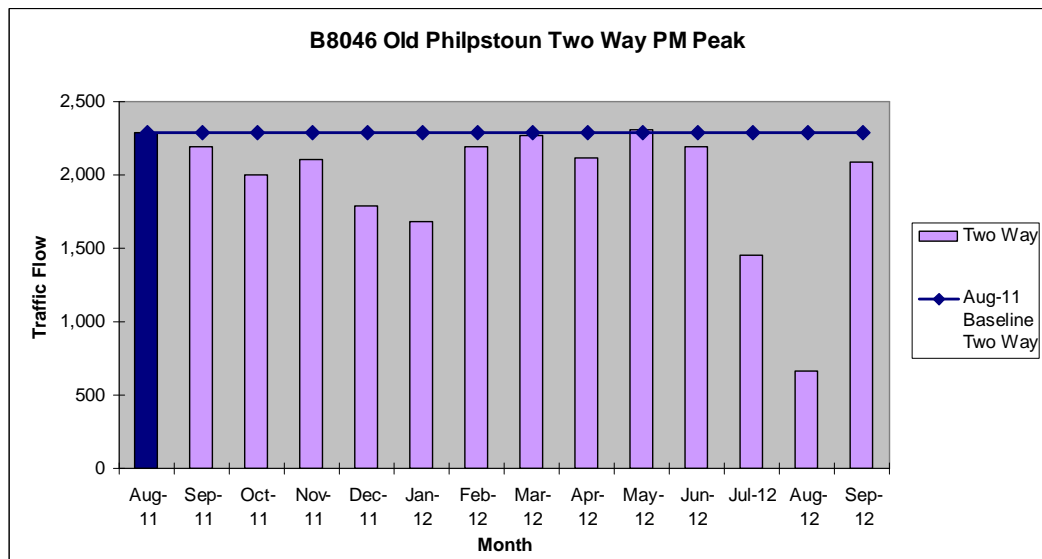


Figure 5-199 Monthly Two Way PM Peak Flows on the B8046 Old Philstoun

5.11.4 Monthly Average HGV Flows

Table 5-74 Site: JTC00599 Annual HGV Traffic Flows – August 2011 to September 2012

Counter	Location	Date	NB	SB	Two Way
JTC00599	B8046 Old Philstoun	Aug-11	176	182	358
		Sep-11	165	178	343
		Oct-11	152	164	316
		Nov-11	159	170	329
		Dec-11	124	136	260
		Jan-12	97	101	198
		Feb-12	151	161	312
		Mar-12	159	171	329
		Apr-12	159	168	327
		May-12	167	179	346
		Jun-12	158	166	324
		Jul-12	132	125	256
		Aug-12	76	86	163
		Sep-12	155	171	326
	Annual Average		150	158	308

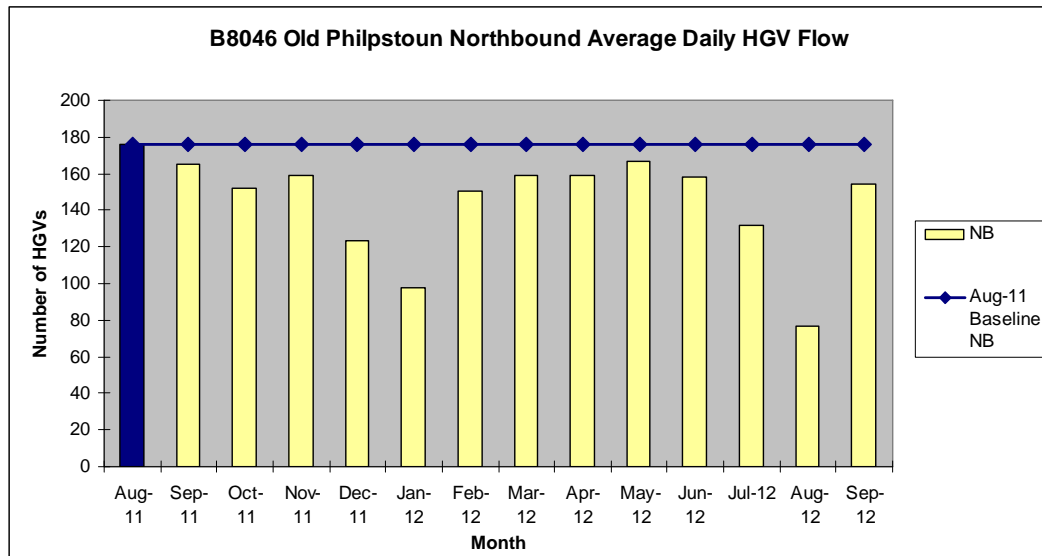


Figure 5-200 Monthly Southbound HGV Flows on the B8046 Old Philstoun

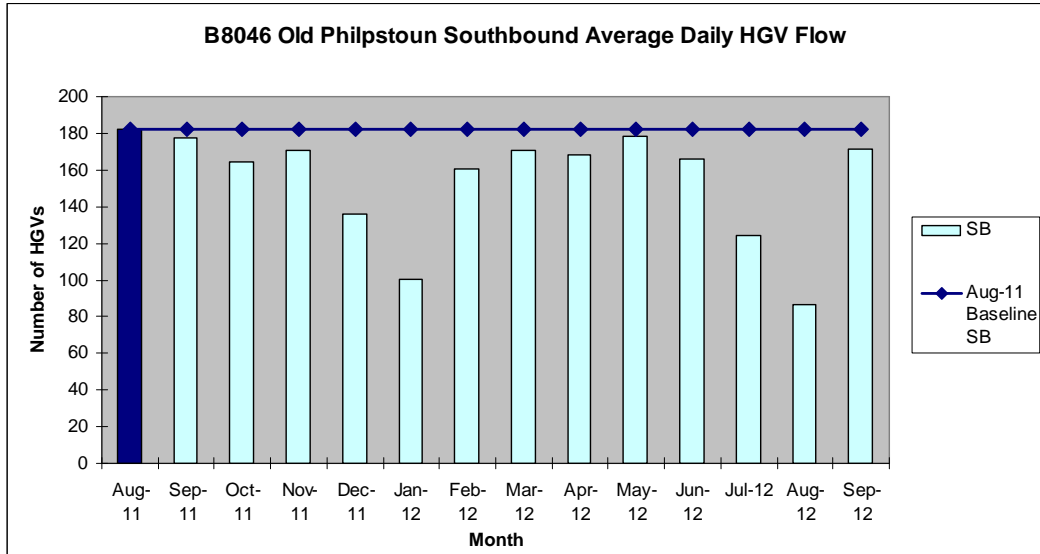


Figure 5-201 Monthly Northbound HGVS Flows on the B8046 Old Philstoun

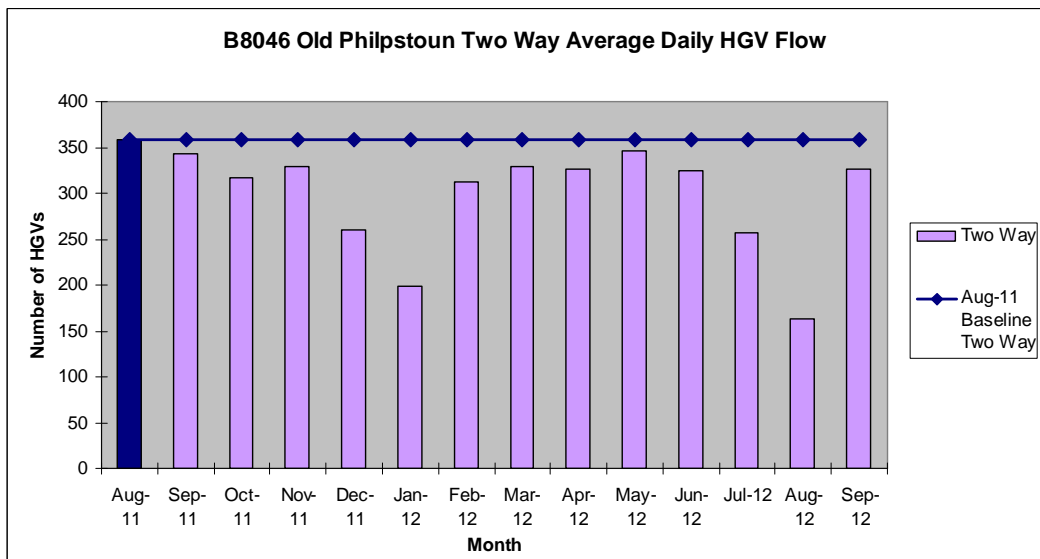


Figure 5-202 Monthly Two Way HGVS Flows on the B8046 Old Philstoun

5.11.5 Monthly Average AM Peak HGV Flows

Table 5-75 Site: JTC00599 AM Peak HGV Traffic Flows – August 2011 to September 2012

Counter	Location	Date	NB	SB	Two Way
JTC00599	B8046 Old Philstoun	Aug-11	41	34	75
		Sep-11	42	32	74
		Oct-11	39	28	67
		Nov-11	38	21	59
		Dec-11	29	18	48
		Jan-12	20	11	32
		Feb-12	35	20	56
		Mar-12	39	25	64
		Apr-12	38	30	68
		May-12	40	34	74
		Jun-12	36	33	69
		Jul-12	30	23	53
		Aug-12	21	12	34
		Sep-12	35	31	67
		Annual Average			36

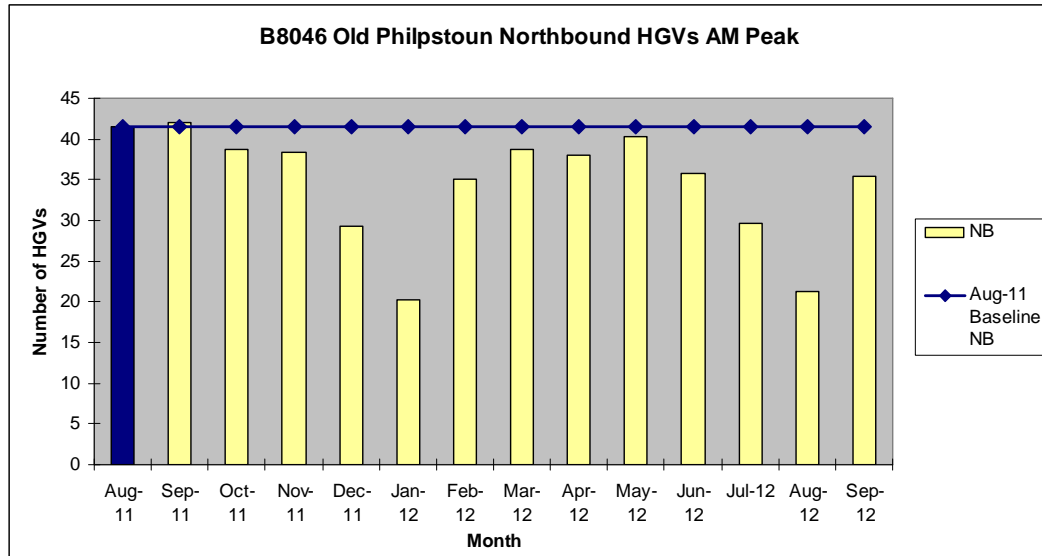


Figure 5-203 Monthly Northbound AM Peak HGV Flows on the B8046 Old Philstoun

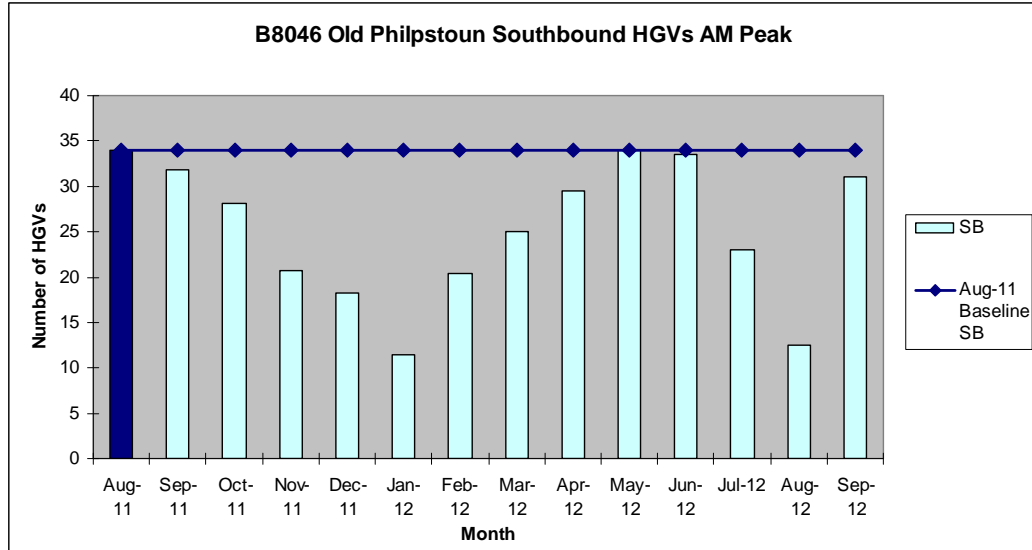


Figure 5-204 Monthly Southbound AM Peak HGV Flows on the B8046 Old Philstoun

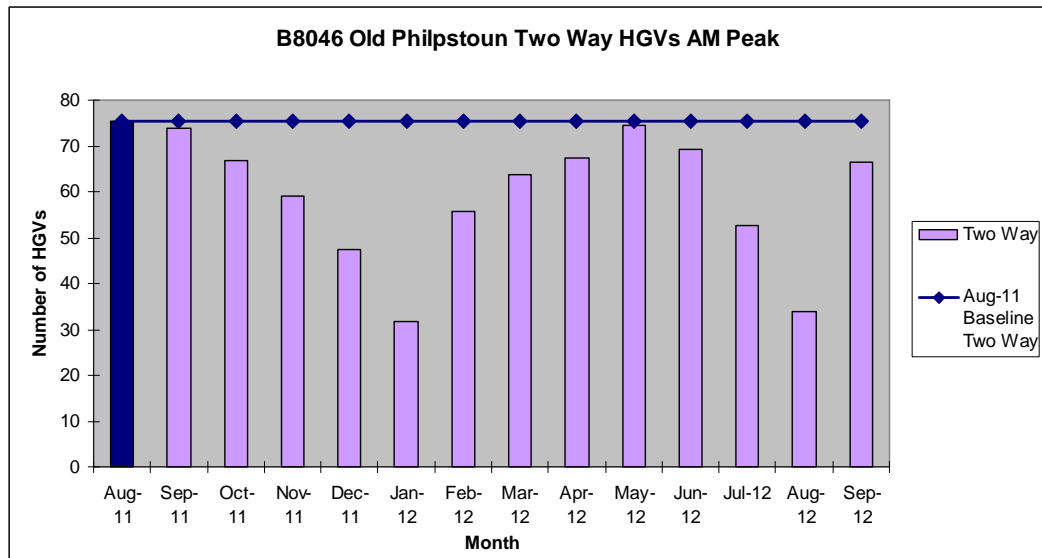


Figure 5-205 Monthly Two Way AM Peak HGV Flows on the B8046 Old Philstoun

5.11.6 Monthly Average PM Peak HGV Flows

Table 5-76 Site: JTC00599 PM Peak HGV Traffic Flows – August 2011 to September 2012

Counter	Location	Date	NB	SB	Two Way
JTC00599	B8046 Old Philstoun	Aug-11	22	30	52
		Sep-11	20	30	50
		Oct-11	16	28	45
		Nov-11	22	36	58
		Dec-11	16	27	43
		Jan-12	15	22	37
		Feb-12	21	32	53
		Mar-12	21	34	54
		Apr-12	19	24	43
		May-12	19	29	48
		Jun-12	19	27	46
		Jul-12	18	21	39
		Aug-12	15	10	25
		Sep-12	18	31	49
		Annual Average			19

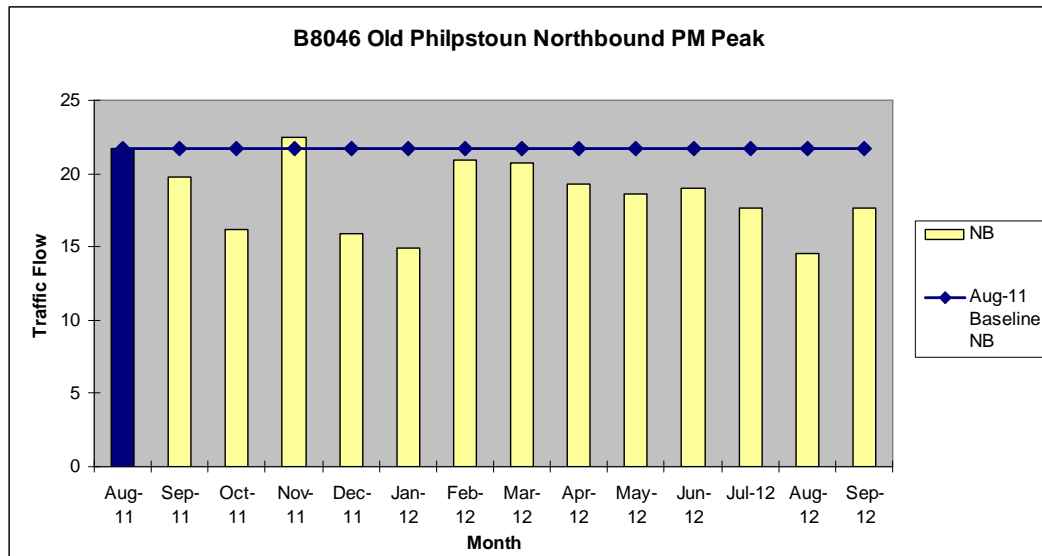


Figure 5-206 Monthly Northbound PM HGV Peak Flows on the B8046 Old Philstoun

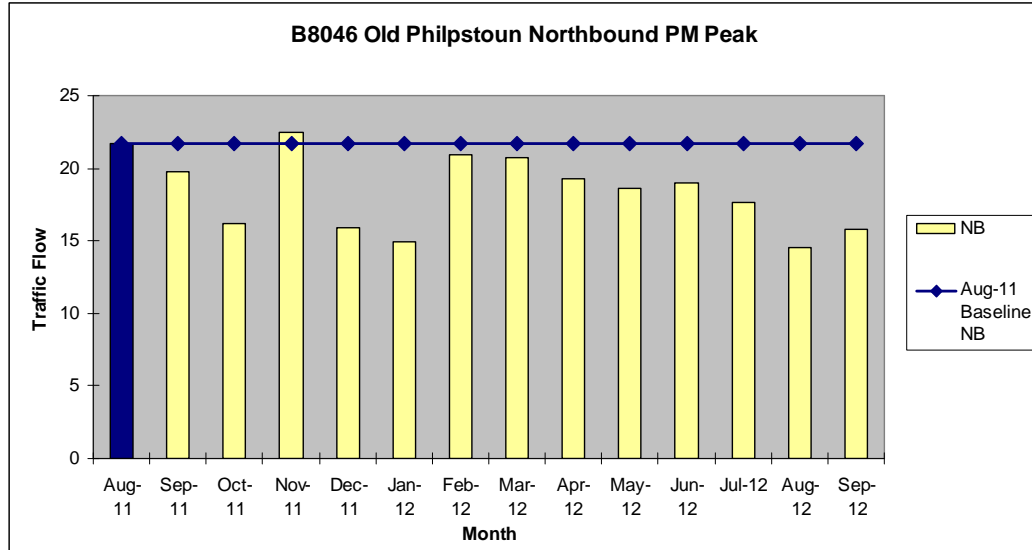


Figure 5-207 Monthly Southbound PM Peak HGV Flows on the B8046 Old Philstoun

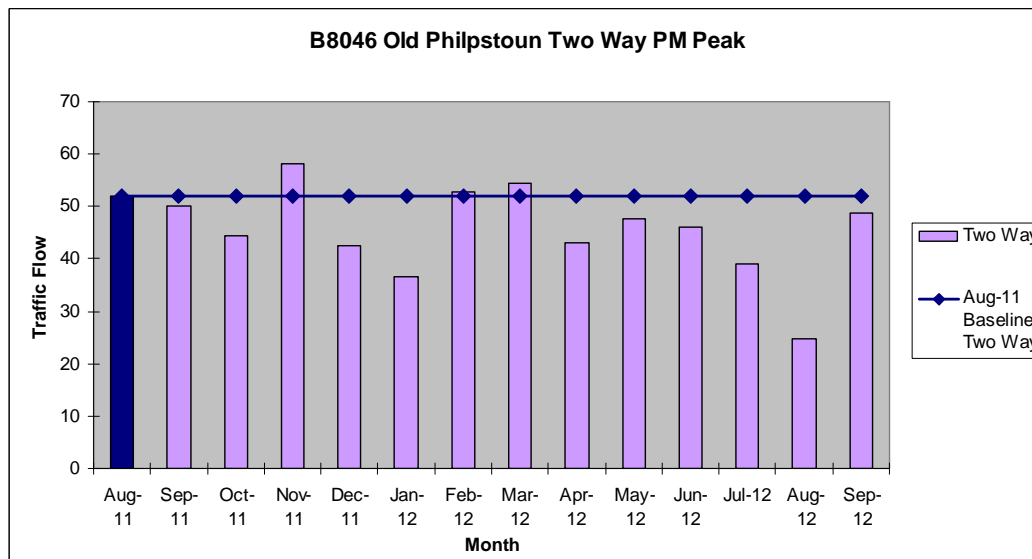


Figure 5-208 Monthly Two Way PM Peak HGV Flows on the B8046 Old Philstoun

5.11.7 Monthly Average All Vehicles Traffic Speeds

Table 5-77 Site: JTC00599 Average Monthly Traffic Speeds (KPH) (All Vehicles) – August 2011 to September 2012

Counter	Location	Date	NB	SB
JTC00599	B8046 Old Philstoun	Aug-11	40	52
		Sep-11	40	51
		Oct-11	40	52
		Nov-11	40	51
		Dec-11	40	51
		Jan-12	35	45
		Feb-12	40	51
		Mar-12	41	52
		Apr-12	41	52
		May-12	41	52
		Jun-12	41	52
		Jul-12	34	45
		Aug-12	16	37
Sep-12	40	50		

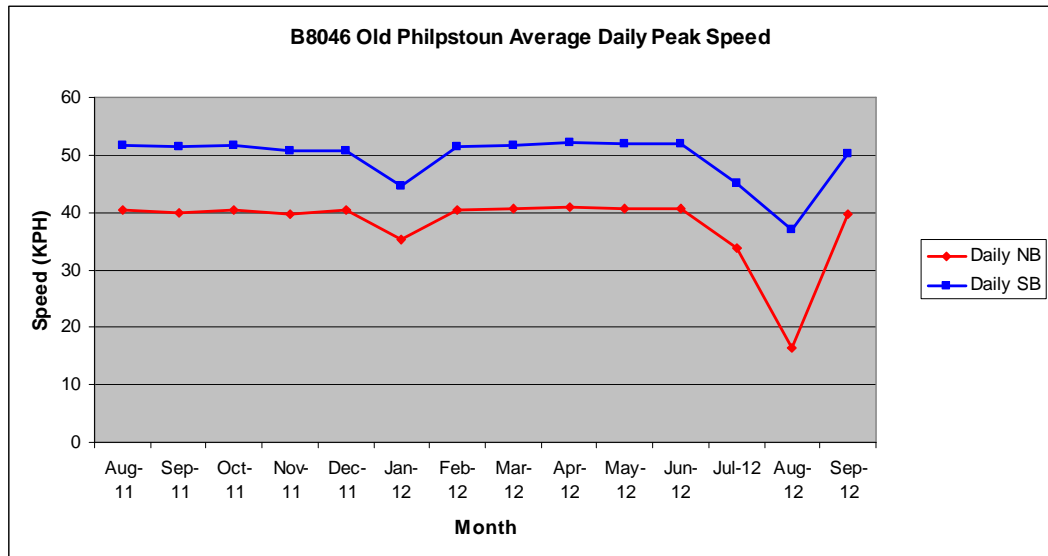


Figure 5-209 Average Monthly Traffic Speeds (KPH) on the B8046 Old Philstoun

5.12 Traffic Counter JTC00600 – B8020 South of A904 Junction

5.12.1 Monthly Average Traffic Flows

Table 3-78 Site: JTC00600 Annual Traffic Flows – August 2011 to September 2012

Counter	Location	Date	NB	SB	Two Way
JTC00600	B8020 South of A904 Junction	Aug-11	473	566	1,039
		Sep-11	500	583	1,083
		Oct-11	475	562	1,037
		Nov-11	467	576	1,042
		Dec-11	382	484	866
		Jan-12	No Data	No Data	No Data
		Feb-12	430	533	963
		Mar-12	No Data	No Data	No Data
		Apr-12	No Data	No Data	No Data
		May-12	No Data	No Data	No Data
		Jun-12	No Data	No Data	No Data
		Jul-12	558	649	1,207
		Aug-12	590	693	1,283
		Sep-12	557	645	1,202
			Annual Average		469

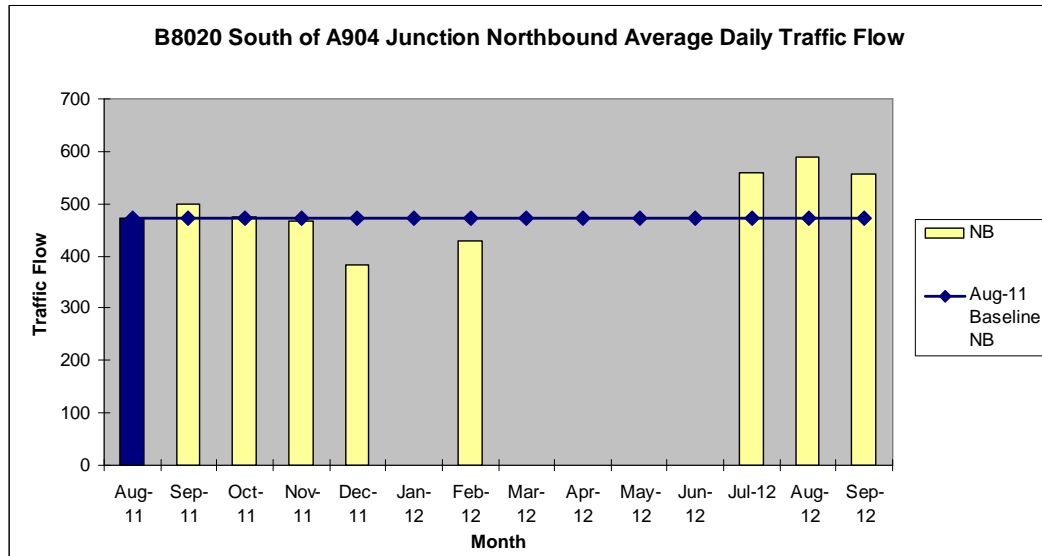


Figure 5-210 Monthly Northbound AADTs on the B8020 South of A904 Junction

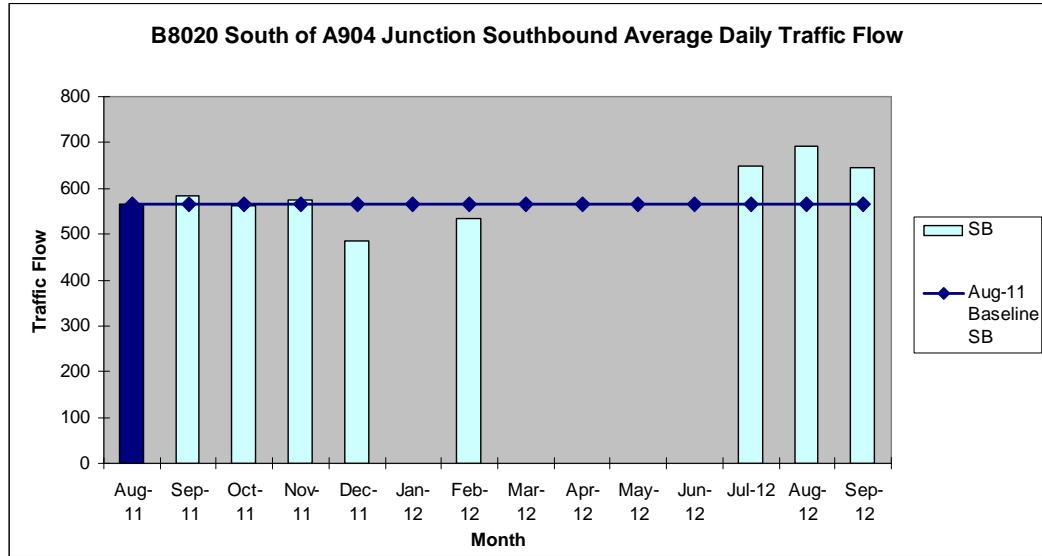


Figure 5-211 Monthly Southbound AADTs on the B8020 South of A904 Junction

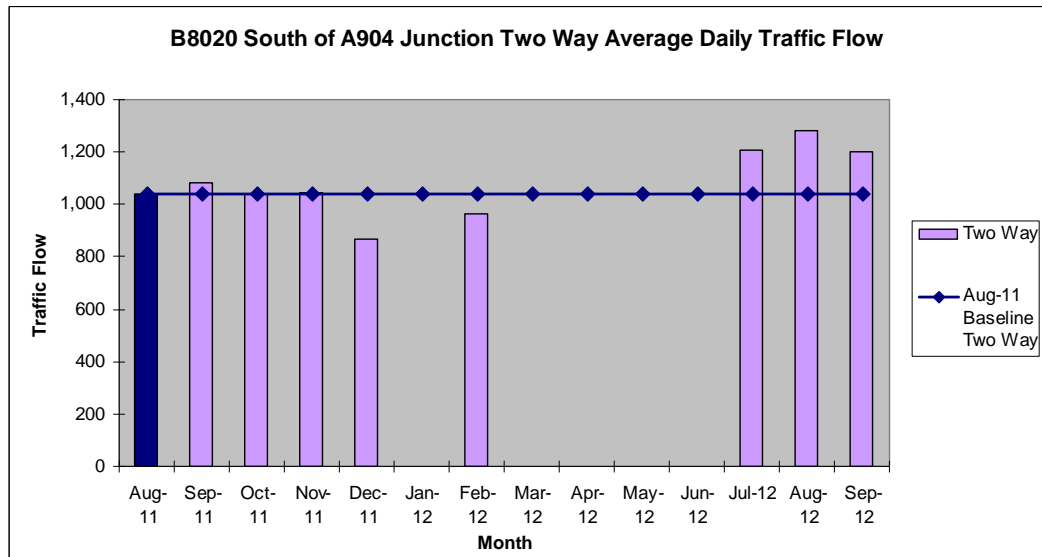


Figure 5-212 Monthly Two Way Daily Traffic Flows on the B8020 South of A904 Junction

5.12.2 Monthly Average AM Peak Traffic Flows

Table 5-79 Site: JTC00600 AM Peak Traffic Flows – August 2011 to September 2012

Counter	Location	Date	NB	SB	Two Way
JTC00600	B8020 South of A904 Junction	Aug-11	92	92	184
		Sep-11	107	108	215
		Oct-11	95	110	205
		Nov-11	83	101	184
		Dec-11	59	71	130
		Jan-12	No Data	No Data	No Data
		Feb-12	73	84	157
		Mar-12	No Data	No Data	No Data
		Apr-12	No Data	No Data	No Data
		May-12	No Data	No Data	No Data
		Jun-12	No Data	No Data	No Data
		Jul-12	104	109	213
		Aug-12	112	128	239
		Sep-12	106	126	232
		Annual Average			88

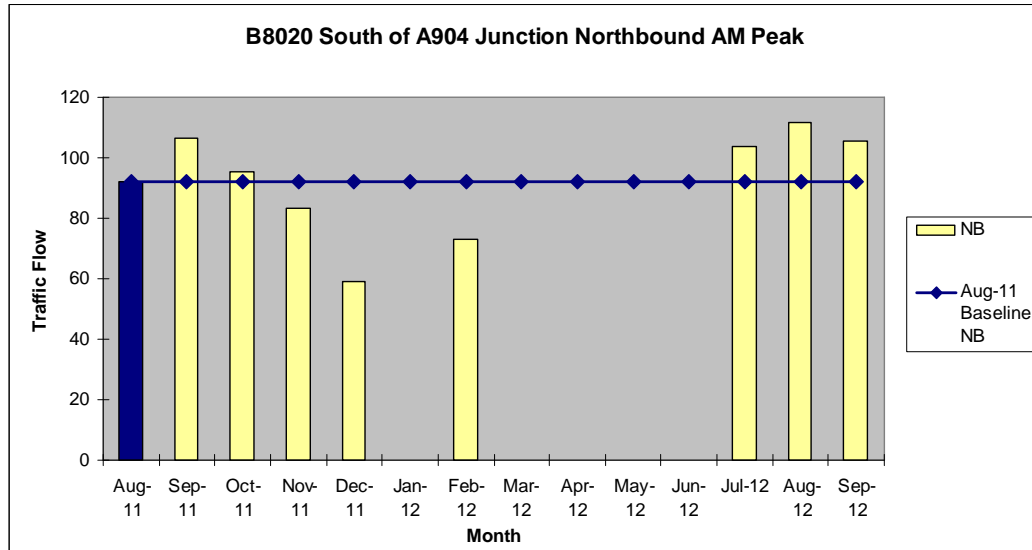


Figure 5-213 Monthly Eastbound AM Peak Flows on the B8020 South of A904 Junction

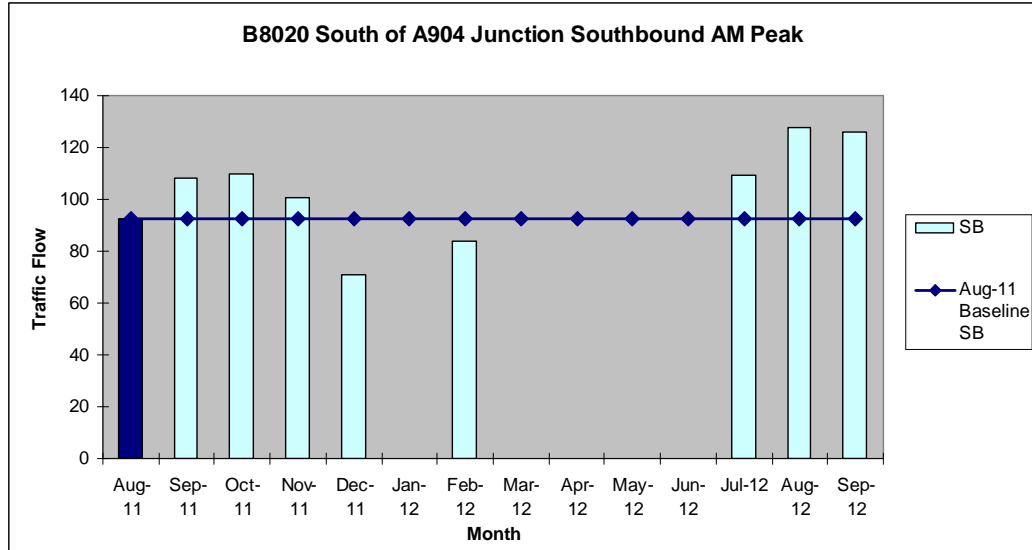


Figure 5-214 Monthly Westbound AM Peak Flows on the B8020 South of A904 Junction

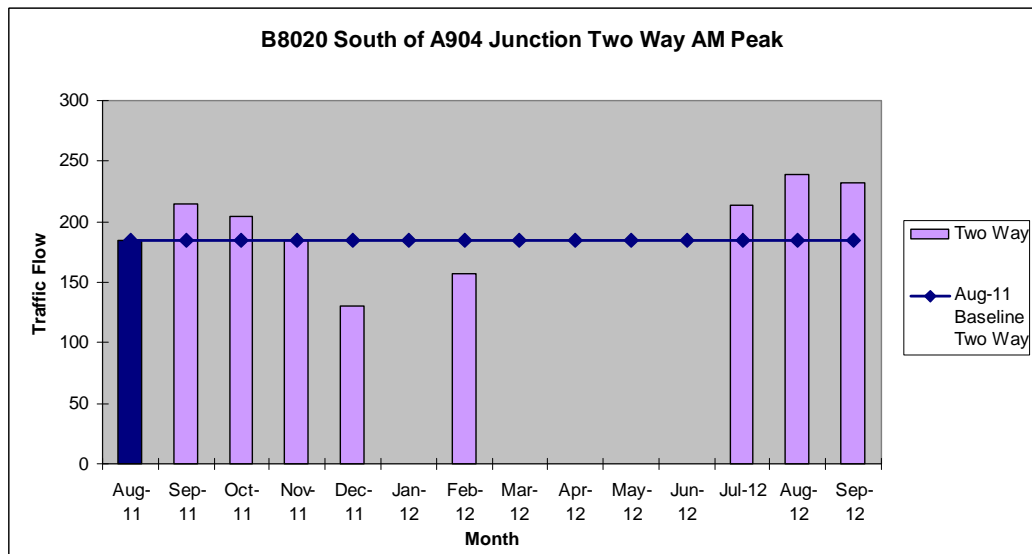


Figure 5-215 Monthly Two Way AM Peak Flows on the B8020 South of A904 Junction

5.12.3 Monthly Average PM Peak Traffic Flows

Table 5-80 Site: JTC00600 PM Peak Traffic Flows – August 2011 to September 2012

Counter	Location	Date	NB	SB	Two Way
JTC00600	B8020 South of A904 Junction	Aug-11	109	144	253
		Sep-11	125	158	282
		Oct-11	121	144	265
		Nov-11	118	152	270
		Dec-11	101	127	229
		Jan-12	No Data	No Data	No Data
		Feb-12	109	144	253
		Mar-12	No Data	No Data	No Data
		Apr-12	No Data	No Data	No Data
		May-12	No Data	No Data	No Data
		Jun-12	No Data	No Data	No Data
		Jul-12	126	146	272
		Aug-12	129	151	280
		Sep-12	128	139	267
		Annual Average			116

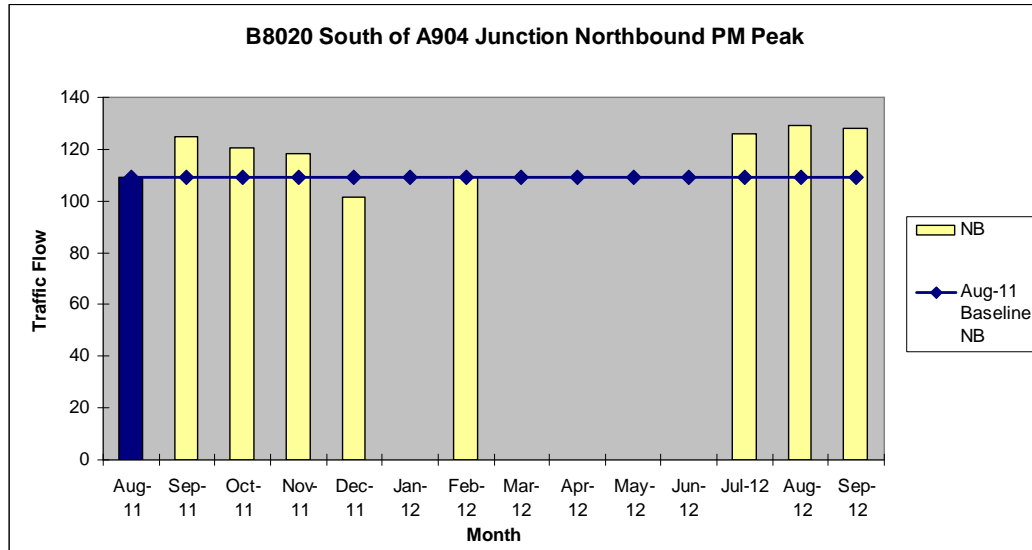


Figure 5-216 Monthly Eastbound PM Peak Flows on the B8020 South of A904 Junction

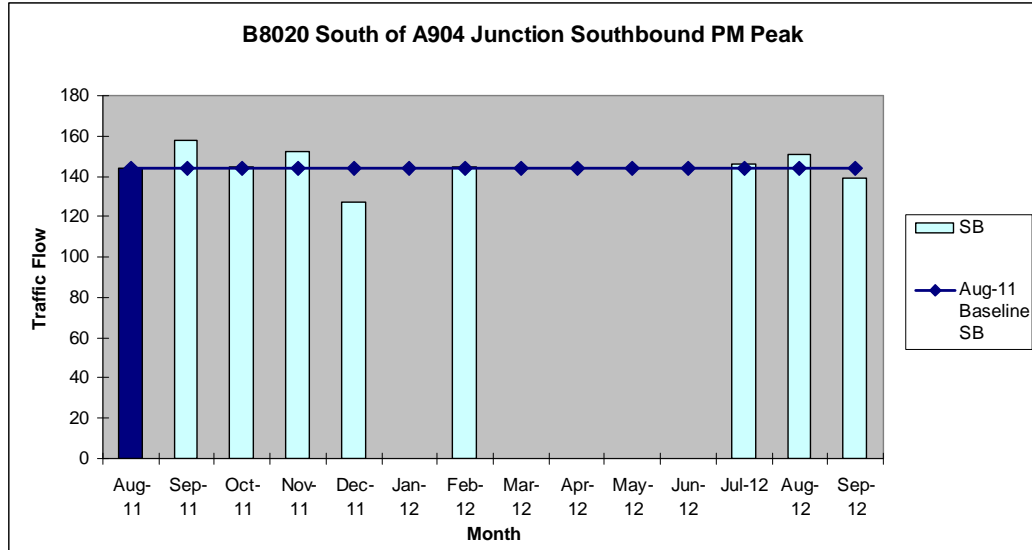


Figure 5-217 Monthly Westbound PM Peak Flows on the B8020 South of A904 Junction

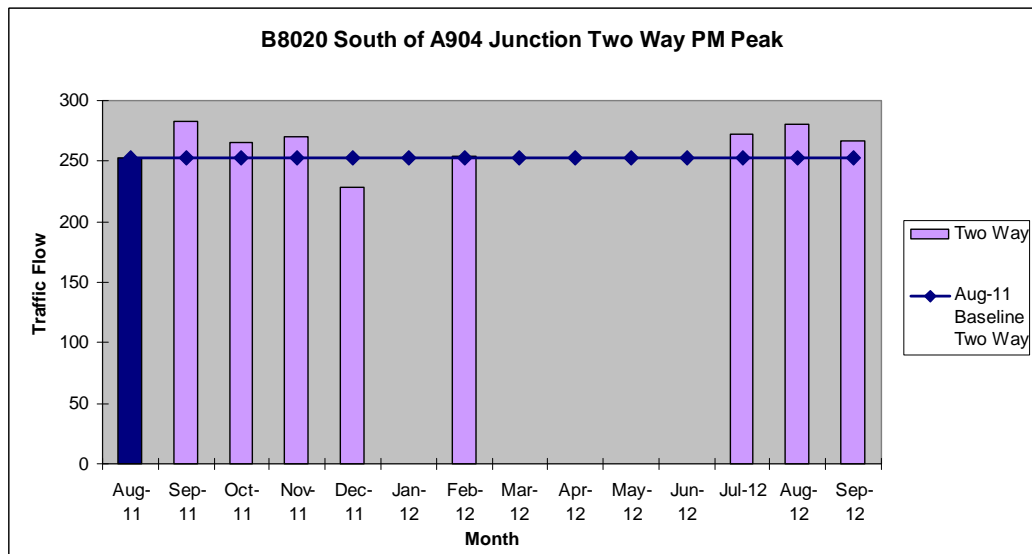


Figure 5-218 Monthly Two Way PM Peak Flows on the B8020 South of A904 Junction

5.12.4 Monthly Average HGV Flows

Table 5-81 Site: JTC00600 Annual HGV Traffic Flows – August 2011 to September 2012

Counter	Location	Date	NB	SB	Two Way
JTC00600	B8020 South of A904 Junction	Aug-11	0	0	0
		Sep-11	0	0	0
		Oct-11	0	0	0
		Nov-11	0	1	1
		Dec-11	1	2	3
		Jan-12	No Data	No Data	No Data
		Feb-12	0	0	1
		Mar-12	No Data	No Data	No Data
		Apr-12	No Data	No Data	No Data
		May-12	No Data	No Data	No Data
		Jun-12	No Data	No Data	No Data
		Jul-12	1	1	2
		Aug-12	1	1	1
		Sep-12	1	1	2
Annual Average			0	1	1

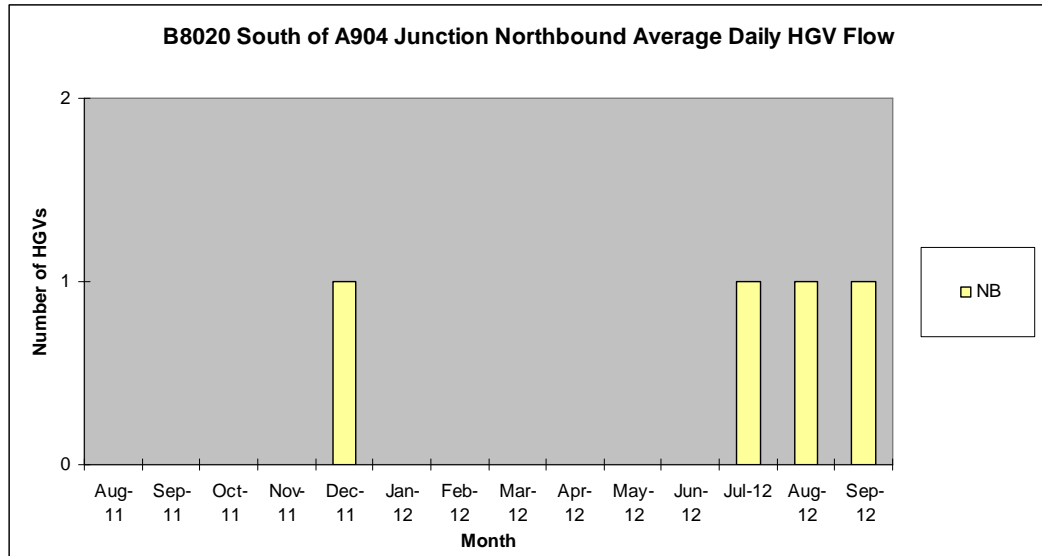


Figure 5-219 Monthly Northbound HGV Flows on the B8020 South of A904 Junction

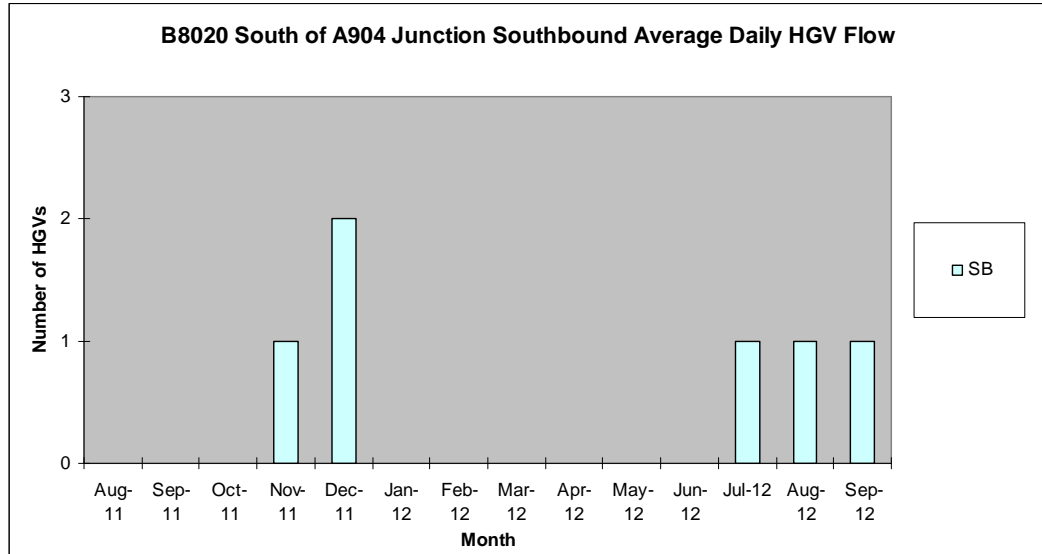


Figure 5-220 Monthly Southbound HGVS Flows on the B8020 South of A904 Junction

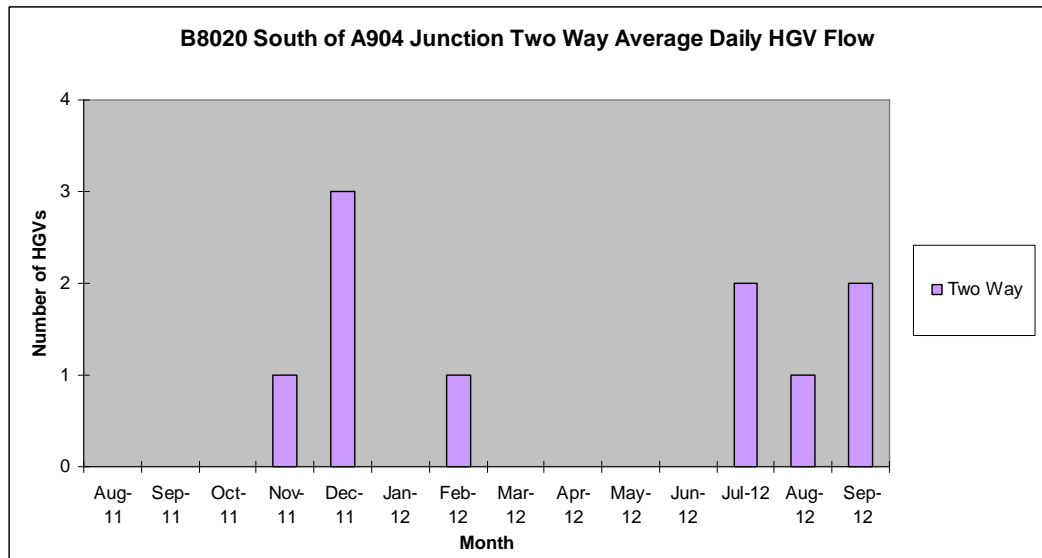


Figure 5-221 Monthly Two Way HGVS Flows on the B8020 South of A904 Junction

5.12.5 Monthly Average AM Peak HGV Flows

Table 5-82 Site: JTC00600 AM Peak HGV Traffic Flows – August 2011 to September 2012

Counter	Location	Date	NB	SB	Two Way
JTC00600	B8020 South of A904 Junction	Aug-11	0	0	0
		Sep-11	0	0	0
		Oct-11	0	0	0
		Nov-11	0	1	1
		Dec-11	0	1	1
		Jan-12	No Data	No Data	0
		Feb-12	0	0	0
		Mar-12	No Data	No Data	0
		Apr-12	No Data	No Data	0
		May-12	No Data	No Data	0
		Jun-12	No Data	No Data	0
		Jul-12	0	0	0
		Aug-12	0	0	0
		Sep-12	0	0	0
		Annual Average	0	0	0

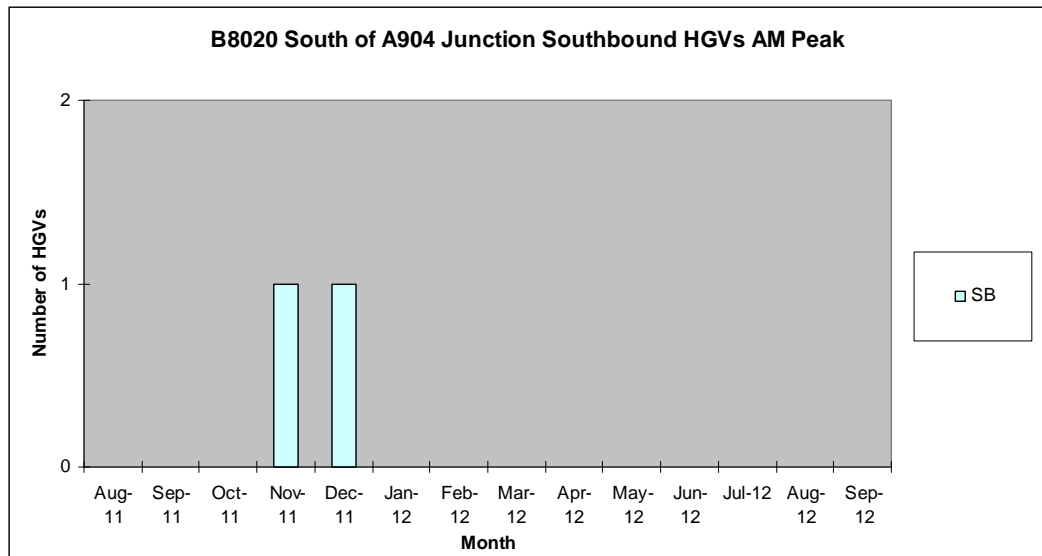


Figure 5-222 Monthly Southbound HGV AM Peak Flows on the B8020 South of A904 Junction

5.12.6 Monthly Average PM Peak HGV Flows

Table 5-83 Site: JTC00600 PM Peak HGV Traffic Flows – August 2011 to September 2012

Counter	Location	Date	NB	SB	Two Way
JTC00600	B8020 South of A904 Junction	Aug-11	0	0	0
		Sep-11	0	0	0
		Oct-11	0	0	0
		Nov-11	0	0	0
		Dec-11	0	0	0
		Jan-12	No Data	No Data	No Data
		Feb-12	0	0	0
		Mar-12	No Data	No Data	No Data
		Apr-12	No Data	No Data	No Data
		May-12	No Data	No Data	No Data
		Jun-12	No Data	No Data	No Data
		Jul-12	0	0	0
		Aug-12	0	0	0
		Sep-12	0	0	0
		Annual Average	0	0	0

5.12.7 Monthly Average All Vehicles Traffic Speeds

Table 5-84 Site: JTC00600 Average Monthly Traffic Speeds (KPH) (All Vehicles) – August 2011 to September 2012

Counter	Location	Date	NB	SB
JTC00600	B8020 South of A904 Junction	Aug-11	37	39
		Sep-11	38	39
		Oct-11	38	38
		Nov-11	37	38
		Dec-11	34	35
		Jan-12	No Data	No Data
		Feb-12	36	37
		Mar-12	No Data	No Data
		Apr-12	No Data	No Data
		May-12	No Data	No Data
		Jun-12	No Data	No Data
		Jul-12	36	37
		Aug-12	38	38
		Sep-12	37	38

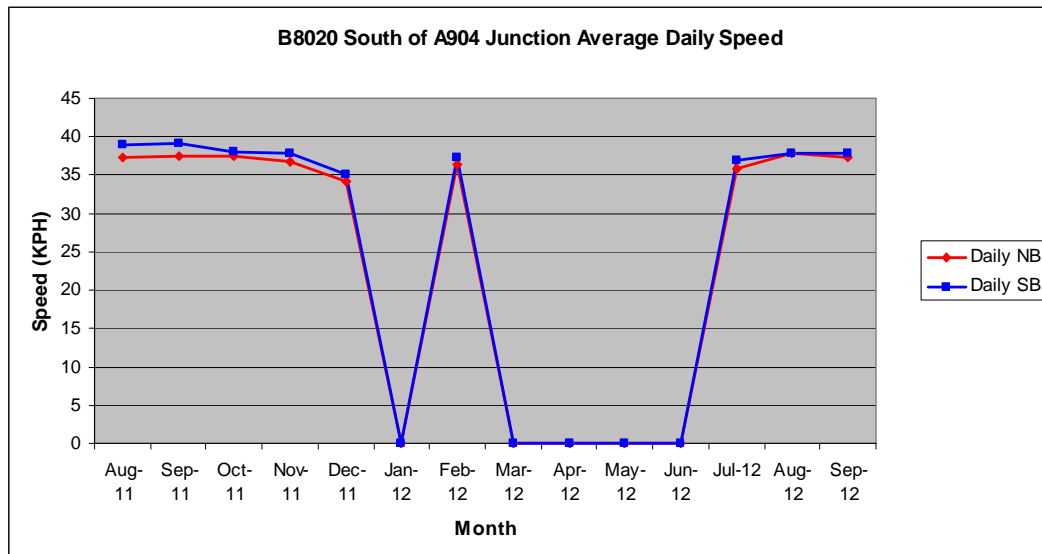


Figure 5-223 Average Monthly Traffic Speeds (KPH) on the B8020 South of A904 Junction

5.13 Traffic Counter JTC00601 – New Liston Road

5.13.1 Monthly Average Traffic Flows

Table 3-85 Site: JTC00601 Annual Traffic Flows – August 2011 to September 2012

Counter	Location	Date	EB	WB	Two Way
JTC00601	New Liston Road	Aug-11	4,339	4,131	8,470
		Sep-11	4,304	4,067	8,371
		Oct-11	4,090	3,771	7,862
		Nov-11	4,448	4,191	8,639
		Dec-11	3,757	3,446	7,203
		Jan-12	No Data	No Data	No Data
		Feb-12	No Data	No Data	No Data
		Mar-12	4,728	4,412	9,140
		Apr-12	4,528	4,197	8,725
		May-12	4,579	4,371	8,950
		Jun-12	4,446	4,523	8,969
		Jul-12	4,266	4,130	8,396
		Aug-12	5,198	5,218	10,415
		Sep-12	4,567	4,451	9,018
		Annual Average	4,349	4,124	8,472

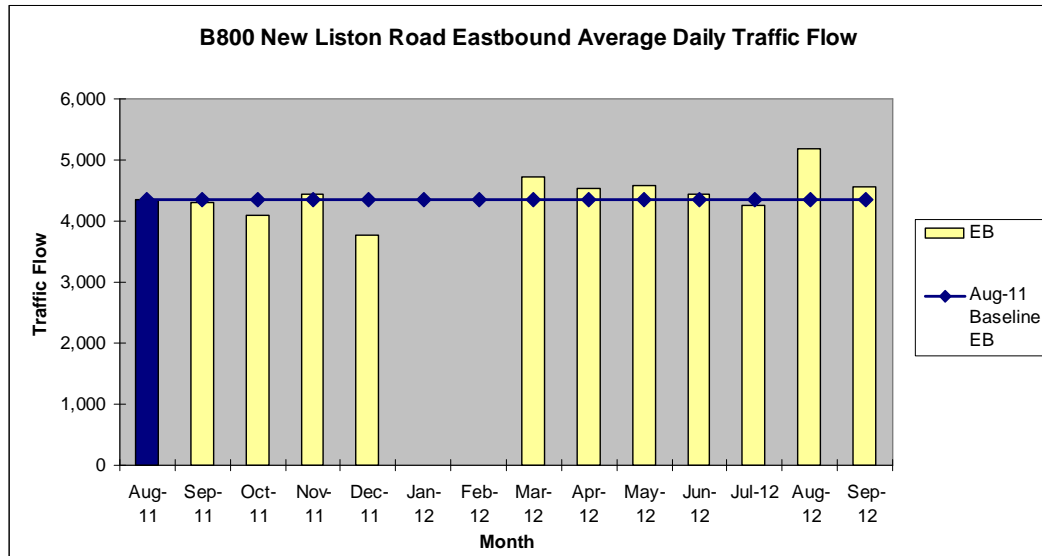


Figure 5-224 Monthly Eastbound AADTs on the New Liston Road

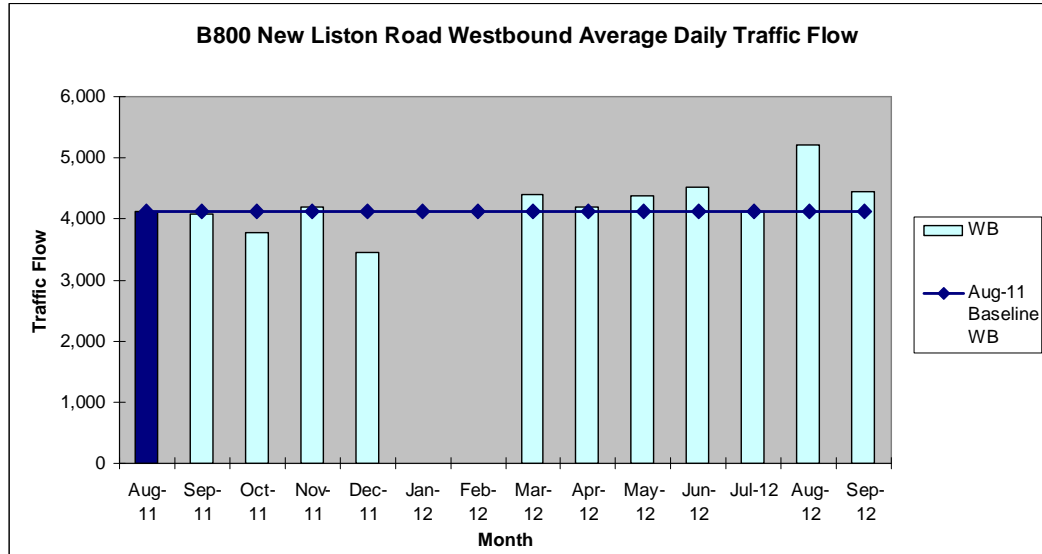


Figure 5-225 Monthly Westbound AADTs on the New Liston Road

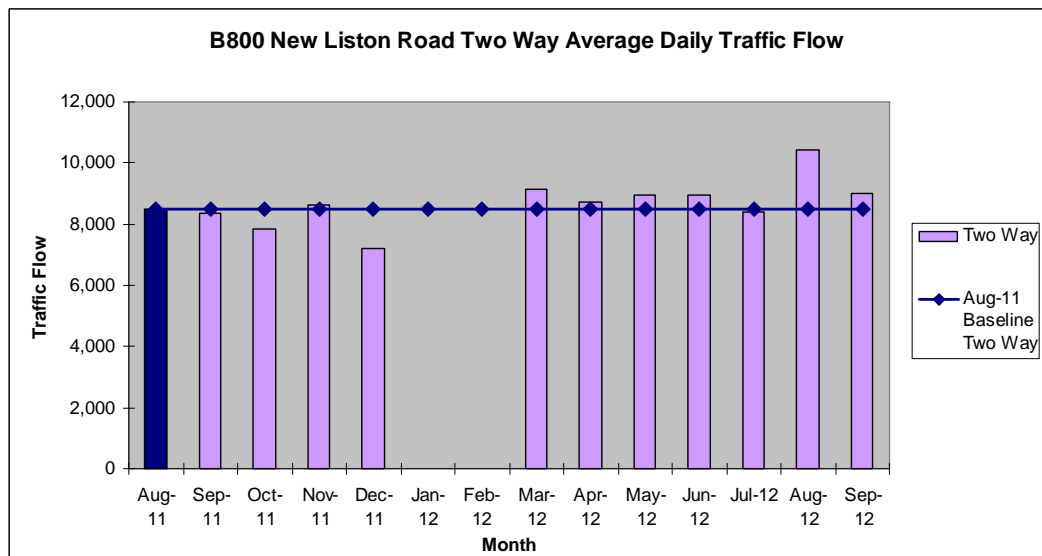


Figure 5-226 Monthly Two Way Daily Traffic Flows on the New Liston Road

5.13.2 Monthly Average AM Peak Traffic Flows

Table 5-86 Site: JTC00601 AM Peak Traffic Flows – August 2011 to September 2012

Counter	Location	Date	EB	WB	Two Way
JTC00601	New Liston Road	Aug-11	600	904	1,504
		Sep-11	647	947	1,594
		Oct-11	564	850	1,414
		Nov-11	532	901	1,434
		Dec-11	376	663	1,039
		Jan-12	No Data	No Data	No Data
		Feb-12	No Data	No Data	No Data
		Mar-12	685	1,007	1,692
		Apr-12	606	909	1,515
		May-12	717	1,045	1,762
		Jun-12	699	981	1,680
		Jul-12	573	837	1,410
		Aug-12	862	1,242	2,104
		Sep-12	690	973	1,663
			Annual Average	600	904

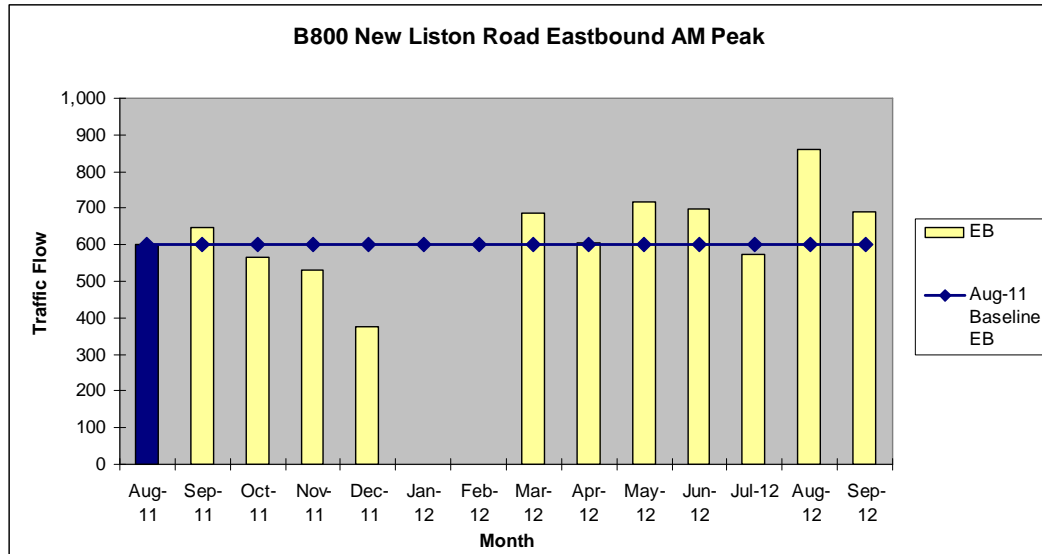


Figure 5-227 Monthly Eastbound AM Peak Flows on the New Liston Road

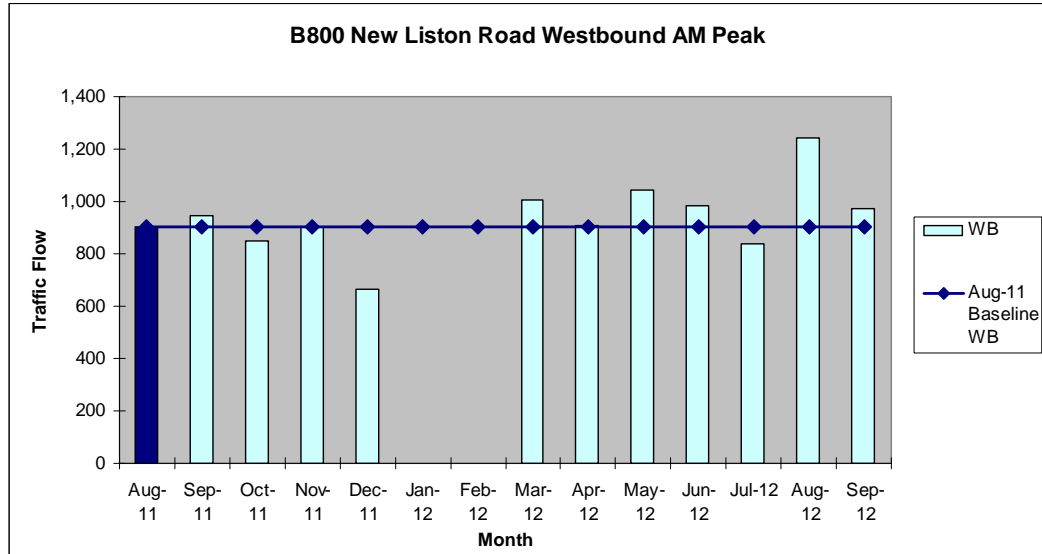


Figure 5-228 Monthly Westbound AM Peak Flows on the New Liston Road

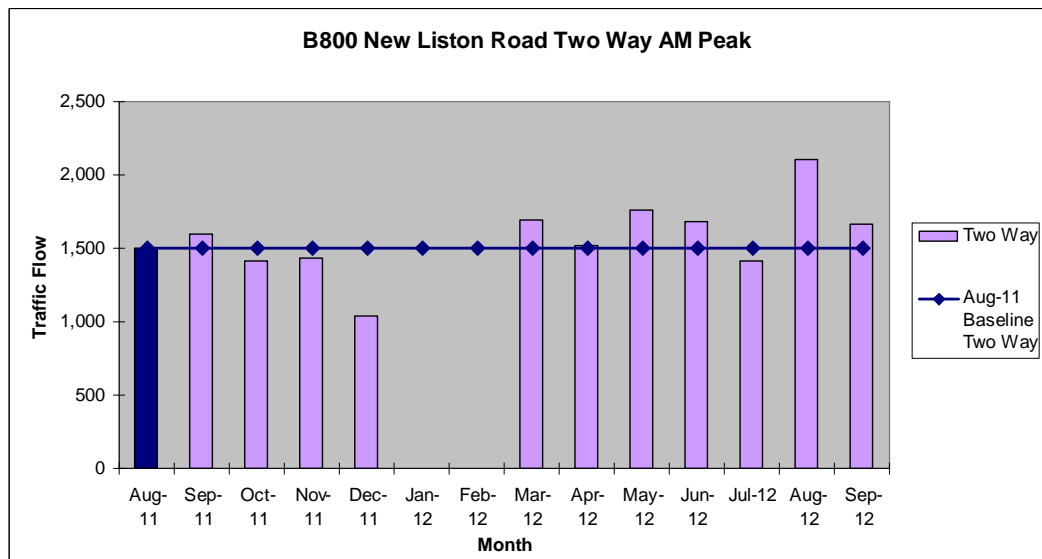


Figure 5-229 Monthly Two Way AM Peak Flows on the New Liston Road

5.13.3 Monthly Average PM Peak Traffic Flows

Table 5-87 Site: JTC00601 PM Peak Traffic Flows – August 2011 to September 2012

Counter	Location	Date	EB	WB	Two Way
JTC00601	New Liston Road	Aug-11	1,311	935	2,246
		Sep-11	1,269	923	2,192
		Oct-11	1,202	863	2,064
		Nov-11	1,337	1,005	2,342
		Dec-11	1,093	795	1,888
		Jan-12	No Data	No Data	No Data
		Feb-12	No Data	No Data	No Data
		Mar-12	1,300	974	2,274
		Apr-12	1,270	925	2,195
		May-12	1,221	952	2,173
		Jun-12	1,150	1,044	2,194
		Jul-12	1,163	880	2,043
		Aug-12	1,447	1,202	2,650
		Sep-12	1,210	1,011	2,221
			Annual Average	1,232	929

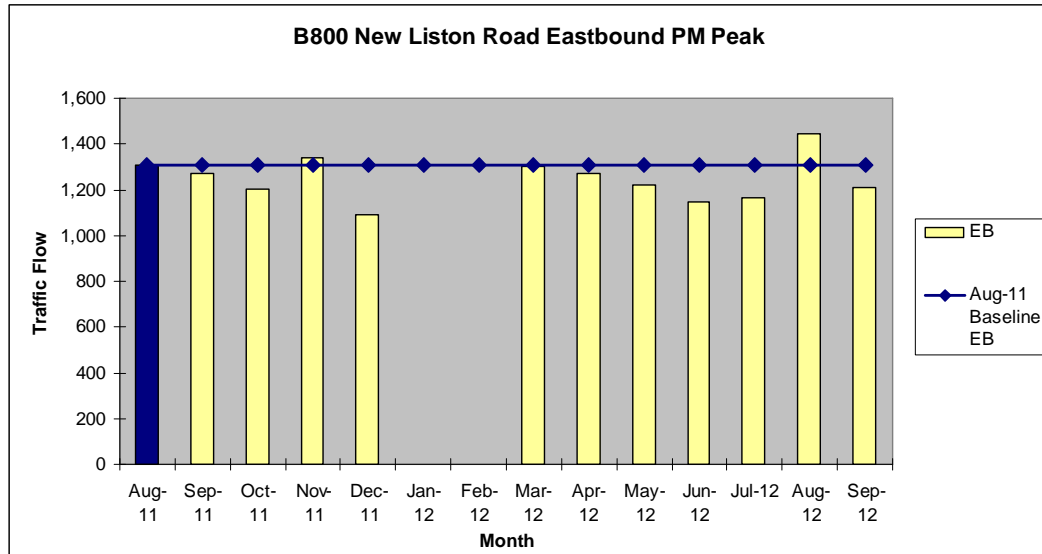


Figure 5-230 Monthly Eastbound PM Peak Flows on the New Liston Road

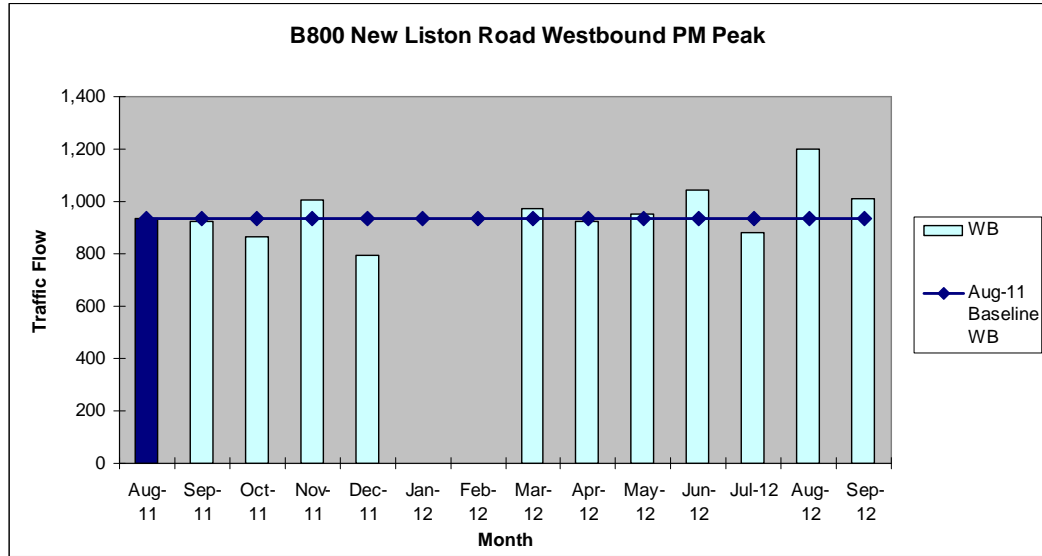


Figure 5-231 Monthly Westbound PM Peak Flows on the New Liston Road

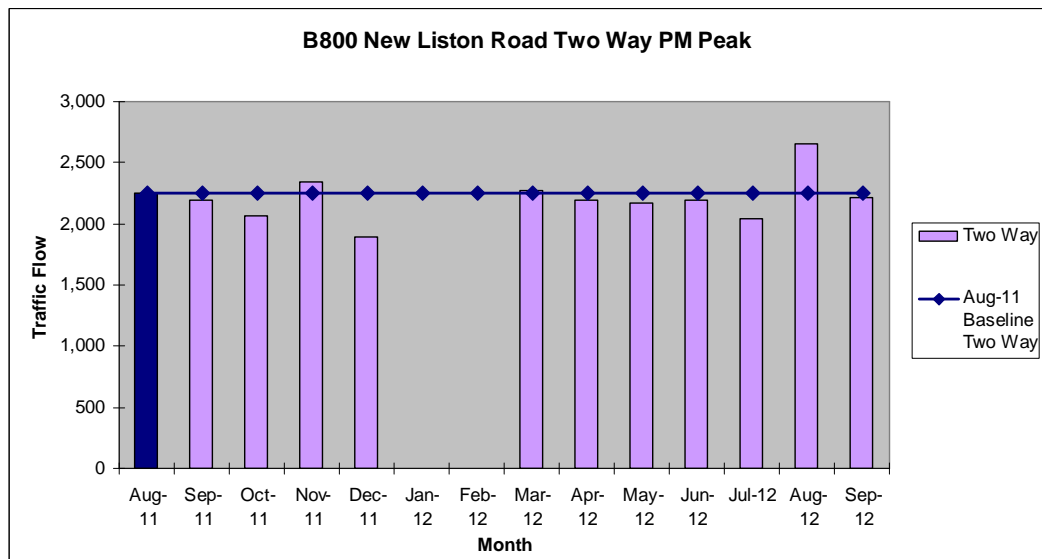


Figure 5-232 Monthly Two Way PM Peak Flows on the New Liston Road

5.13.4 Monthly Average HGV Flows

Table 5-88 Site: JTC00601 Annual HGV Traffic Flows – August 2011 to September 2012

Counter	Location	Date	EB	WB	Two Way
JTC00601	New Liston Road	Aug-11	63	66	130
		Sep-11	71	71	142
		Oct-11	62	28	90
		Nov-11	60	66	126
		Dec-11	48	52	100
		Jan-12	No Data	No Data	No Data
		Feb-12	No Data	No Data	No Data
		Mar-12	104	106	210
		Apr-12	99	101	200
		May-12	99	101	199
		Jun-12	99	102	201
		Jul-12	95	96	191
		Aug-12	132	131	263
		Sep-12	109	108	218
		Annual Average	80	82	162

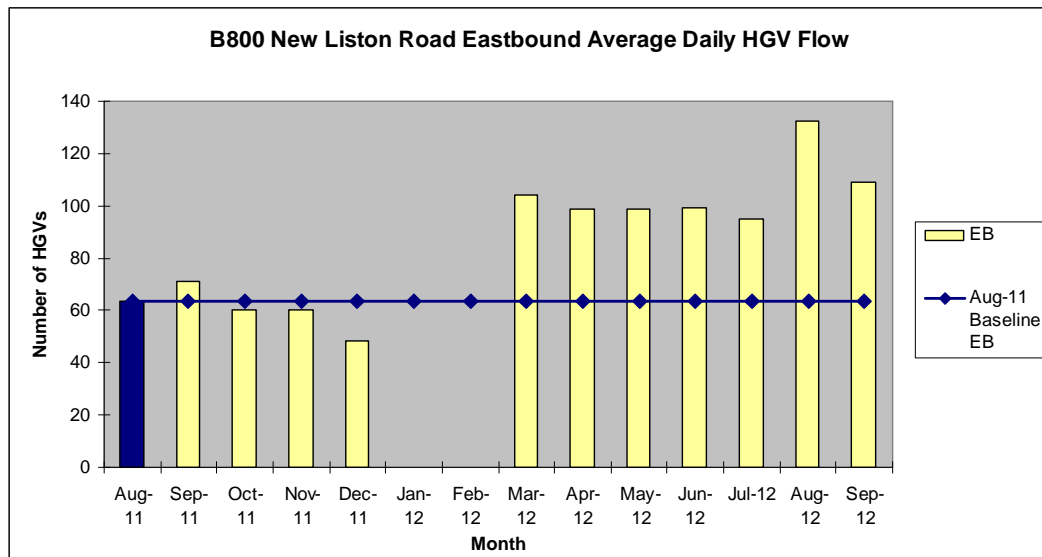


Figure 5-233 Monthly Eastbound HGV Flows on the New Liston Road

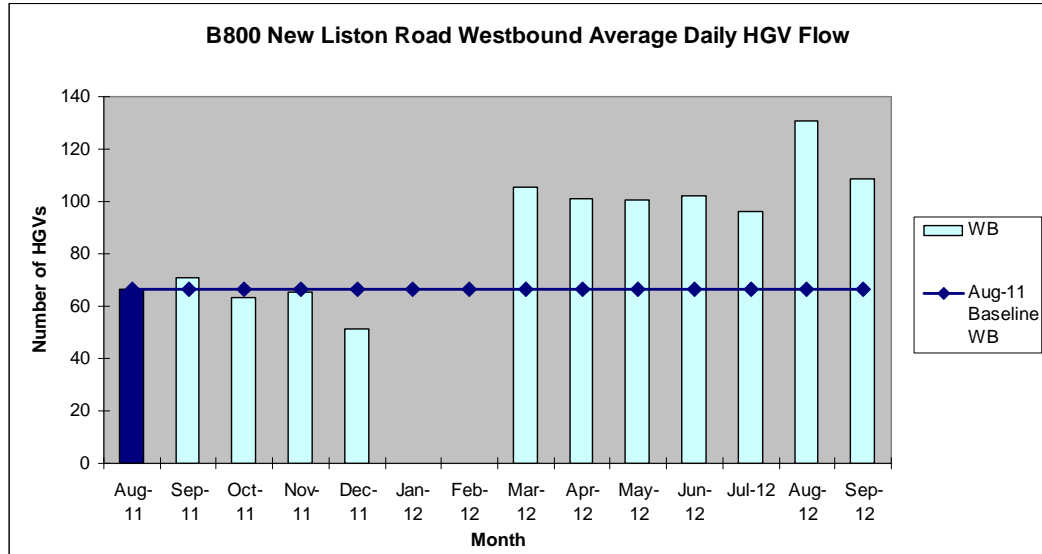


Figure 5-234 Monthly Westbound HGVS on the New Liston Road

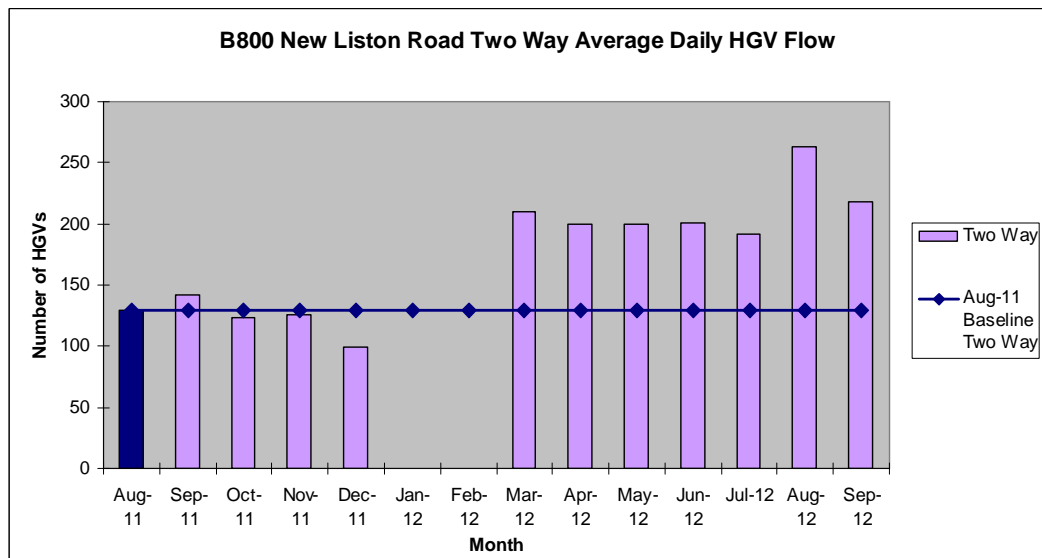


Figure 5-235 Monthly Two Way HGVS on the New Liston Road

5.13.5 Monthly Average AM Peak HGV Flows

Table 5-89 Site: JTC00601 AM Peak HGV Traffic Flows – August 2011 to September 2012

Counter	Location	Date	EB	WB	Two Way
JTC00601	New Liston Road	Aug-11	12	13	26
		Sep-11	13	14	28
		Oct-11	15	12	27
		Nov-11	7	13	20
		Dec-11	5	9	14
		Jan-12	No Data	No Data	No Data
		Feb-12	No Data	No Data	No Data
		Mar-12	16	20	36
		Apr-12	15	19	34
		May-12	17	21	38
		Jun-12	17	20	37
		Jul-12	14	19	33
		Aug-12	25	24	49
		Sep-12	19	21	41
		Annual Average	13	16	29

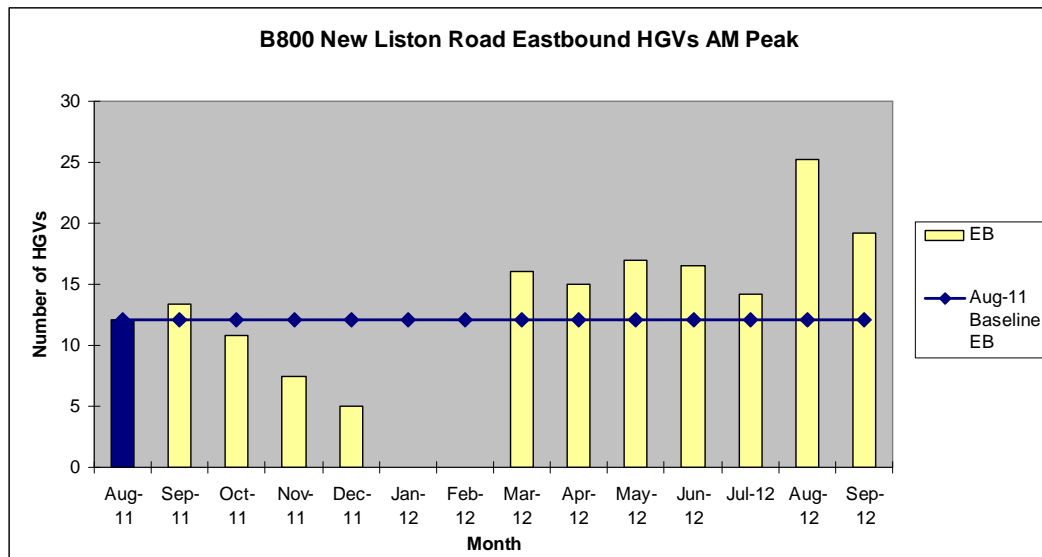


Figure 5-236 Monthly Eastbound AM Peak HGV Flows on the New Liston Road

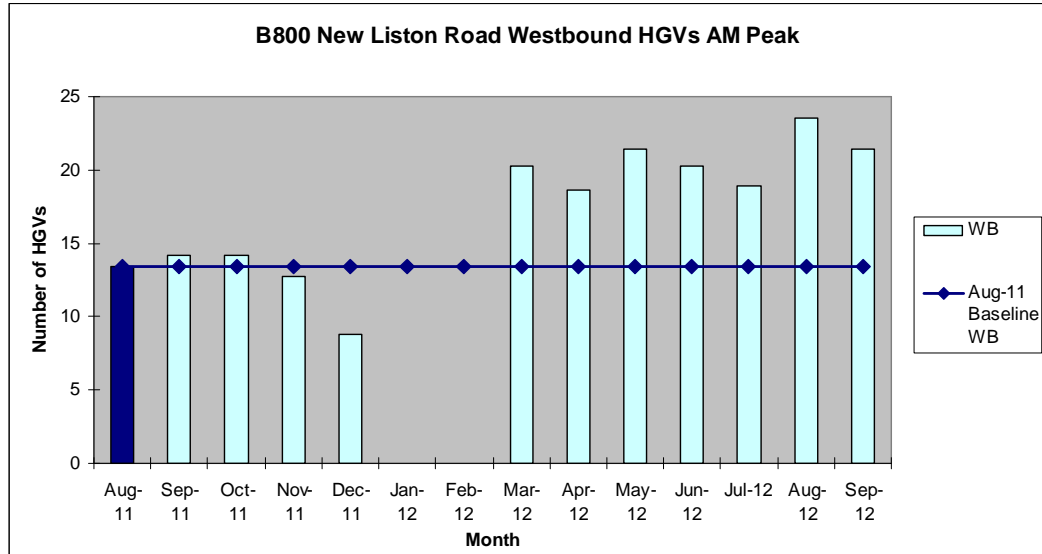


Figure 5-237 Monthly Westbound AM Peak HGV Flows on the New Liston Road

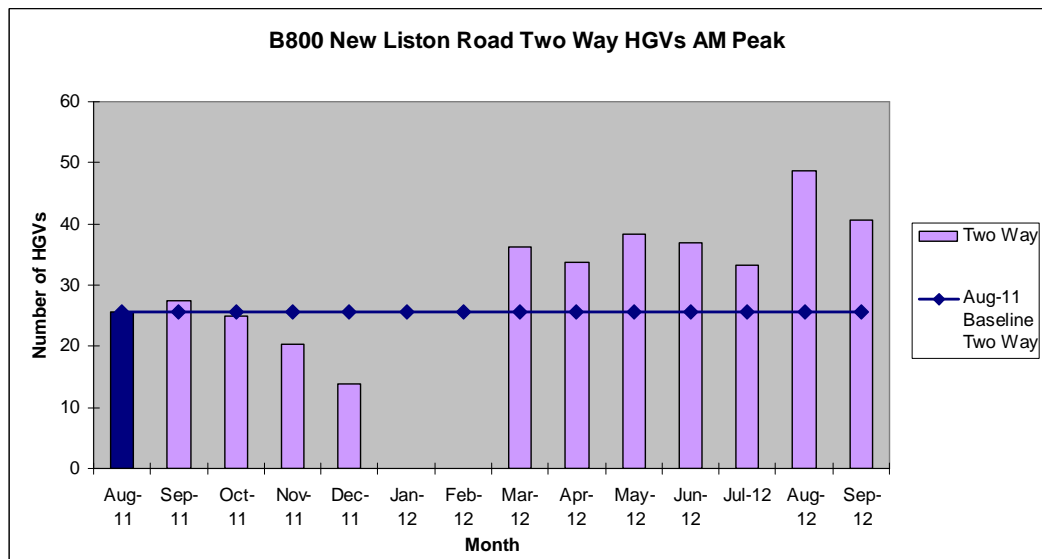


Figure 5-238 Monthly Two Way AM Peak HGV Flows on the New Liston Road

5.13.6 Monthly Average PM Peak HG V Flows

Table 5-90 Site: JTC00601 PM Peak HG V Traffic Flows – August 2011 to September 2012

Counter	Location	Date	EB	WB	Two Way
JTC00601	New Liston Road	Aug-11	16	14	29
		Sep-11	16	15	31
		Oct-11	15	12	27
		Nov-11	13	14	27
		Dec-11	12	11	23
		Jan-12	No Data	No Data	No Data
		Feb-12	No Data	No Data	No Data
		Mar-12	21	18	39
		Apr-12	20	18	38
		May-12	19	17	36
		Jun-12	19	18	37
		Jul-12	19	16	34
		Aug-12	27	24	51
		Sep-12	21	18	39
			Annual Average	17	15

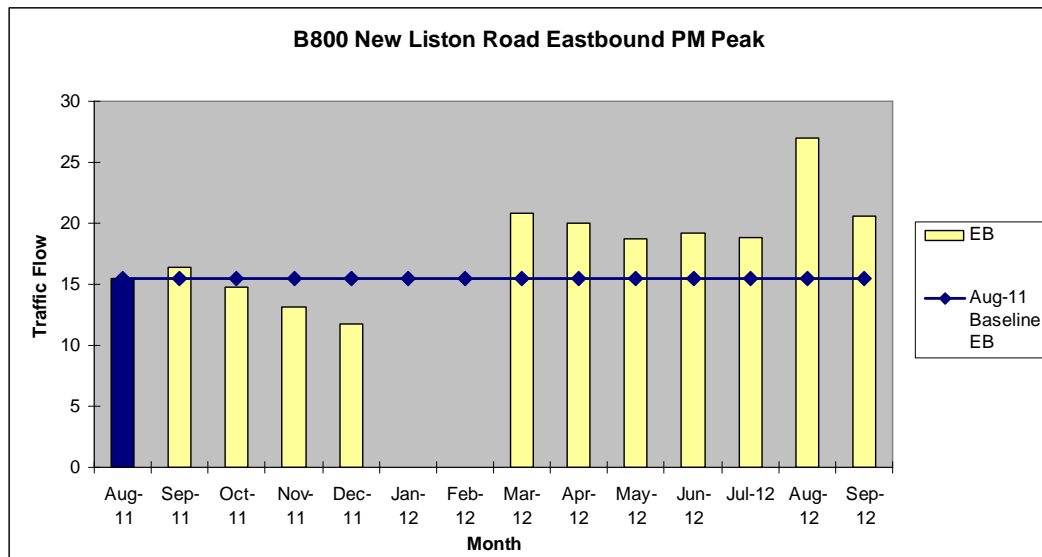


Figure 5-239 Monthly Eastbound PM HG V Peak Flows on the New Liston Road

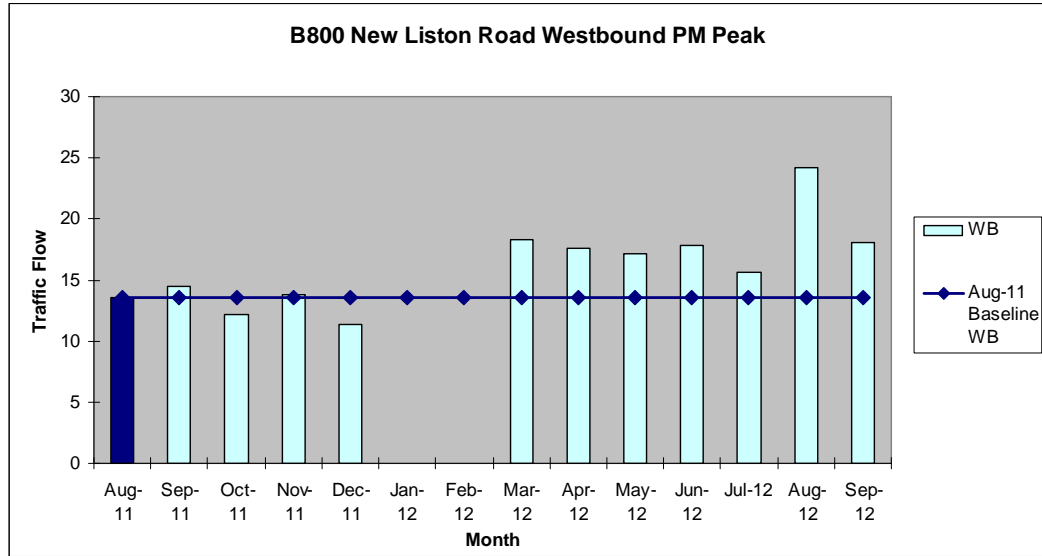


Figure 5-240 Monthly Westbound PM Peak HGV Flows on the New Liston Road

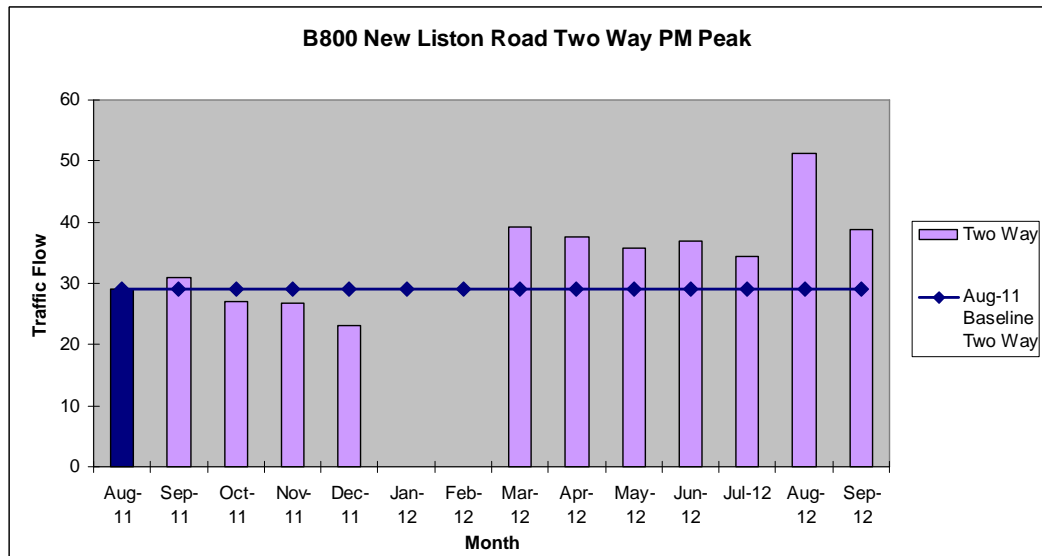


Figure 5-241 Monthly Two Way PM Peak HGV Flows on the New Liston Road

5.13.7 Monthly Average All Vehicles Traffic Speeds

Table 5-91 Site: JTC00601 Average Monthly Traffic Speeds (KPH) (All Vehicles) – August 2011 to September 2012

Counter	Location	Date	EB	WB
JTC00601	New Liston Road	Aug-11	69	66
		Sep-11	69	66
		Oct-11	69	66
		Nov-11	67	65
		Dec-11	64	61
		Jan-12	No Data	No Data
		Feb-12	No Data	No Data
		Mar-12	65	63
		Apr-12	65	63
		May-12	64	63
		Jun-12	64	62
		Jul-12	64	62
		Aug-12	63	61
Sep-12	63	61		

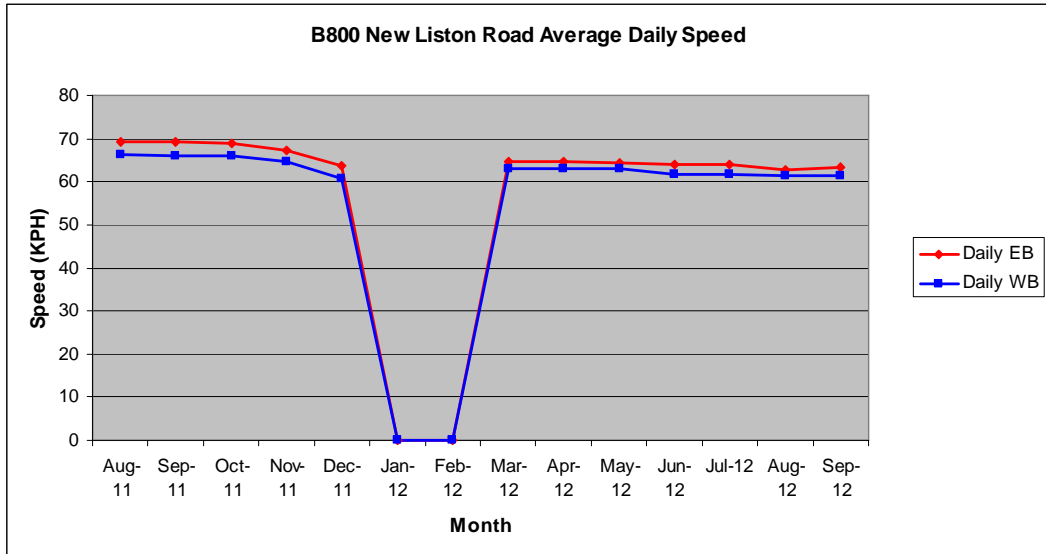


Figure 5-242 Average Monthly Traffic Speeds (KPH) on the New Liston Road

5.14 Traffic Counter JTC00603 – B907 Kirkliston Road (South Queensferry)

5.14.1 Monthly Average Traffic Flows

Table 3-92 Site: JTC00603 Annual Traffic Flows – August 2011 to September 2012

Counter	Location	Date	NB	SB	Two Way
JTC00603	B907 Kirkliston Road (South Queensferry)	Aug-11	4,479	4,575	9,053
		Sep-11	4,317	4,449	8,766
		Oct-11	4,574	4,079	8,653
		Nov-11	4,379	4,150	8,529
		Dec-11	3,055	3,022	6,077
		Jan-12	No Data	No Data	No Data
		Feb-12	4,034	4,011	8,046
		Mar-12	4,333	4,369	8,702
		Apr-12	4,007	4,022	8,029
		May-12	4,386	4,413	8,799
		Jun-12	4,361	4,278	8,639
		Jul-12	4,114	4,270	8,384
		Aug-12	4,286	4,330	8,616
		Sep-12	4,331	4,429	8,760
		Annual Average	4,185	4,149	8,334

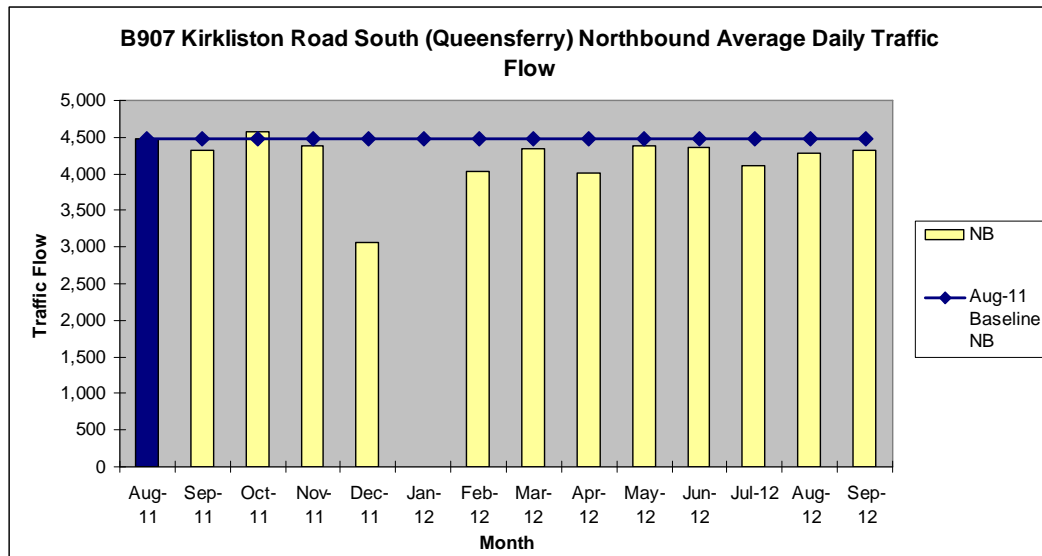


Figure 5-243 Monthly Northbound AADTs on the B907 Kirkliston Road (South Queensferry)

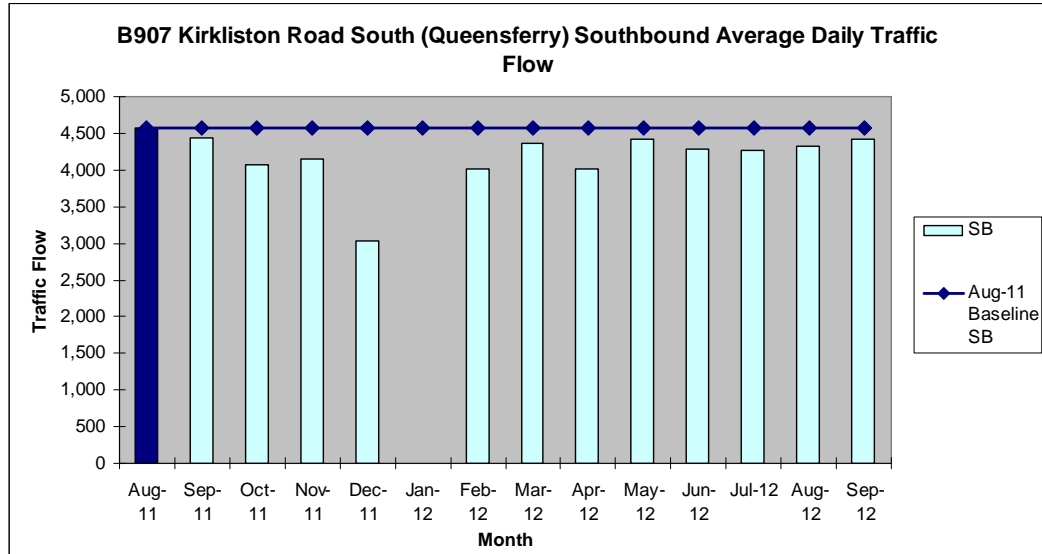


Figure 5-244 Monthly Southbound AADTs on the B907 Kirkliston Road (South Queensferry)

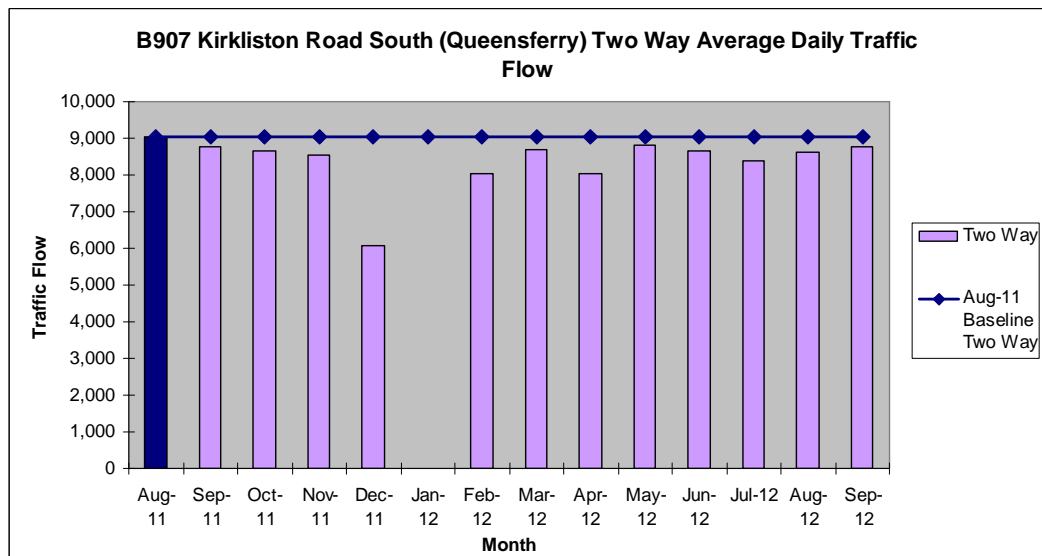


Figure 5-245 Monthly Two Way Daily Traffic Flows on the B907 Kirkliston Road (South Queensferry)

5.14.2 Monthly Average AM Peak Traffic Flows

Table 5-93 Site: JTC00603 AM Peak Traffic Flows – August 2011 to September 2012

Counter	Location	Date	NB	SB	Two Way
JTC00603	B907 Kirkliston Road (South Queensferry)	Aug-11	627	619	1,247
		Sep-11	654	644	1,297
		Oct-11	651	574	1,225
		Nov-11	490	495	986
		Dec-11	228	239	468
		Jan-12	No Data	No Data	No Data
		Feb-12	396	462	859
		Mar-12	468	522	989
		Apr-12	553	549	1,102
		May-12	633	601	1,234
		Jun-12	640	600	1,241
		Jul-12	507	525	1,032
		Aug-12	536	558	1,094
		Sep-12	616	628	1,244
	Annual Average		532	530	1,062

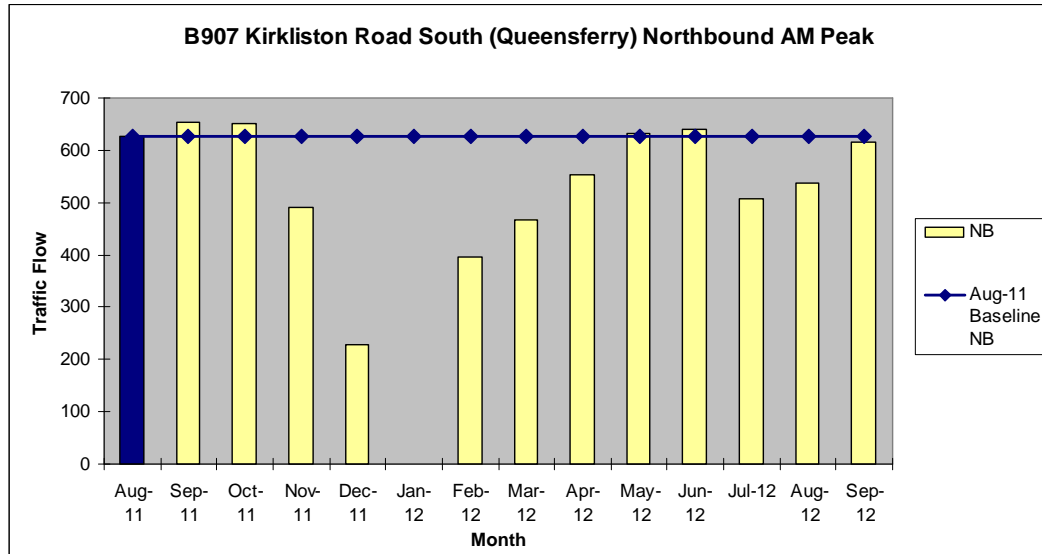


Figure 5-246 Monthly Northbound AM Peak Flows on the B907 Kirkliston Road (South Queensferry)

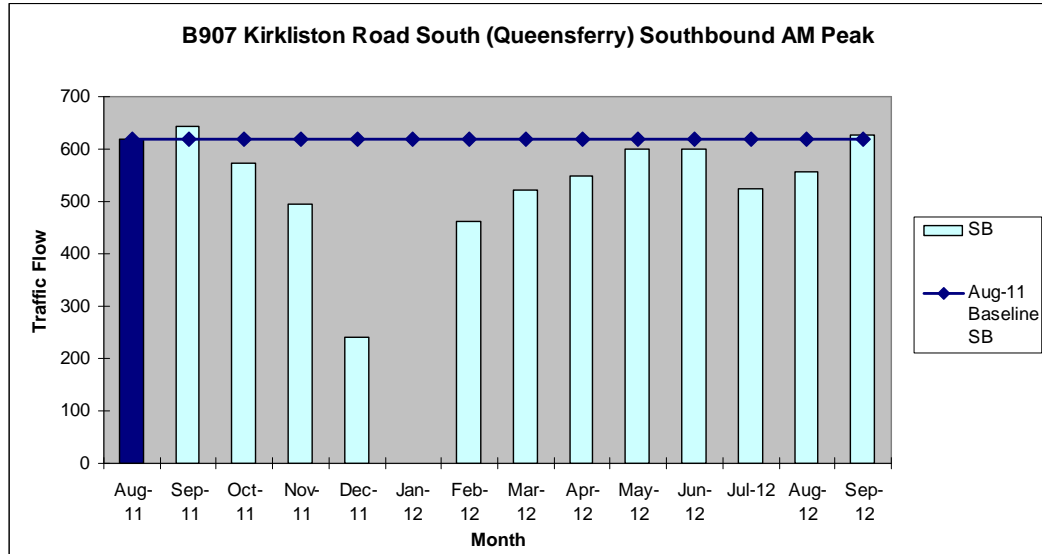


Figure 5-247 Monthly Southbound AM Peak Flows on the B907 Kirkliston Road (South Queensferry)

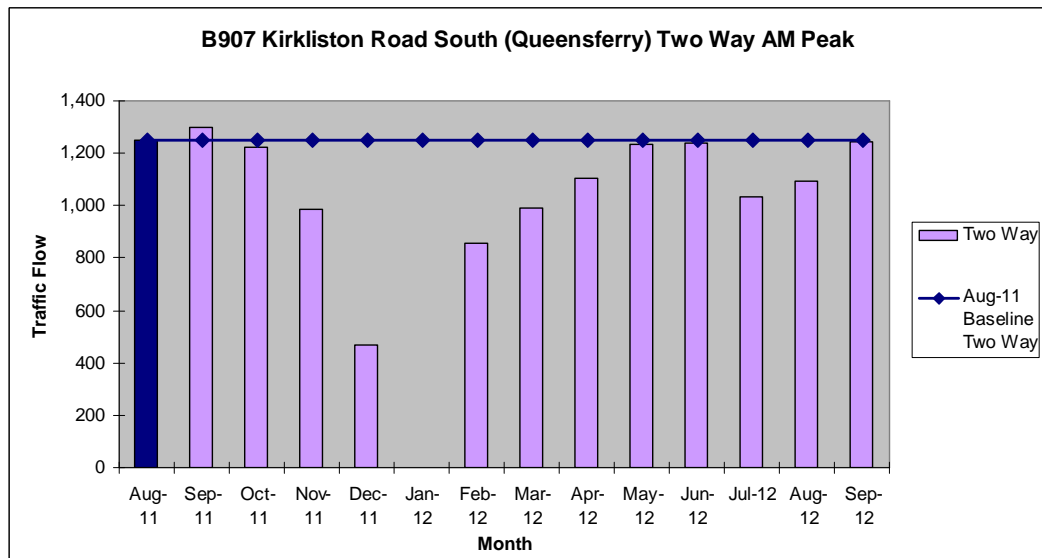


Figure 5-248 Monthly Two Way AM Peak Flows on the B907 Kirkliston Road (South Queensferry)

5.14.3 Monthly Average PM Peak Traffic Flows

Table 5-94 Site: JTC00603 PM Peak Traffic Flows – August 2011 to September 2012

Counter	Location	Date	NB	SB	Two Way
JTC00603	B907 Kirkliston Road (South Queensferry)	Aug-11	1,074	1,158	2,232
		Sep-11	1,034	1,150	2,184
		Oct-11	1,080	1,010	2,090
		Nov-11	1,013	1,063	2,076
		Dec-11	757	828	1,585
		Jan-12	No Data	No Data	No Data
		Feb-12	952	1,041	1,993
		Mar-12	1,033	1,113	2,146
		Apr-12	958	998	1,956
		May-12	1,070	1,089	2,158
		Jun-12	1,006	1,080	2,087
		Jul-12	1,027	1,104	2,131
		Aug-12	1,067	1,105	2,172
		Sep-12	1,029	1,122	2,152
			Annual Average	1,000	1,058

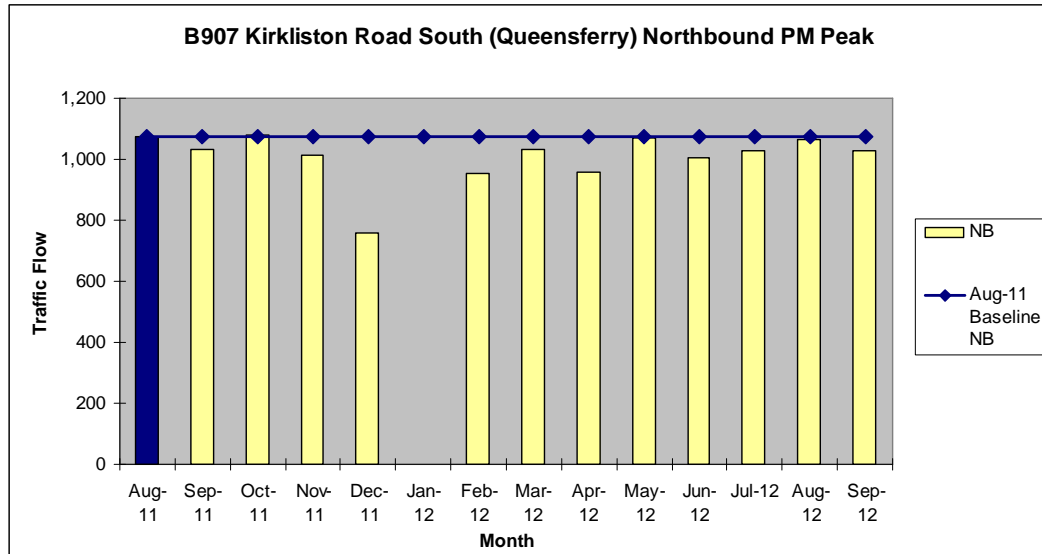


Figure 5-249 Monthly Northbound PM Peak Flows on the B907 Kirkliston Road (South Queensferry)

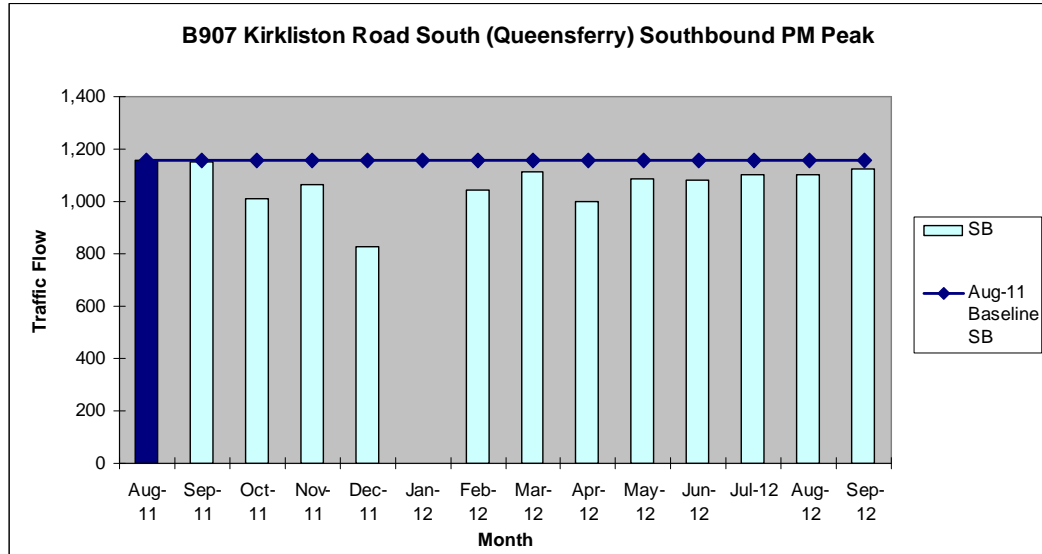


Figure 5-250 Monthly Southbound PM Peak Flows on the B907 Kirkliston Road (South Queensferry)

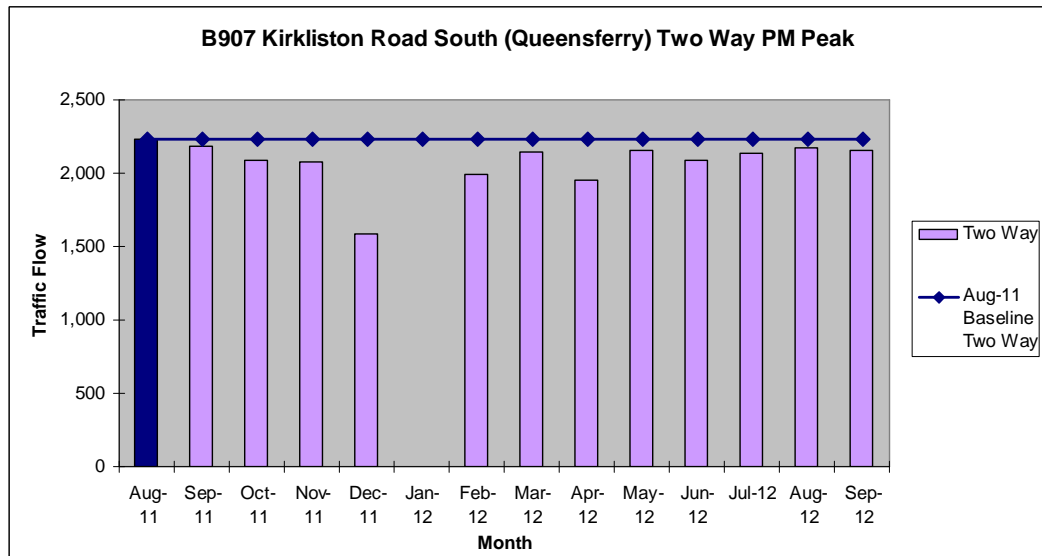


Figure 5-251 Monthly Two Way PM Peak Flows on the B907 Kirkliston Road (South Queensferry)

5.14.4 Monthly Average HGV Flows

Table 5-95 Site: JTC00603 Annual HGV Traffic Flows – August 2011 to September 2012

Counter	Location	Date	NB	SB	Two Way
JTC00603	B907 Kirkliston Road (South Queensferry)	Aug-11	26	33	59
		Sep-11	18	29	47
		Oct-11	62	28	90
		Nov-11	43	28	71
		Dec-11	15	20	35
		Jan-12	No Data	No Data	No Data
		Feb-12	22	24	45
		Mar-12	23	28	51
		Apr-12	13	26	39
		May-12	18	30	48
		Jun-12	21	30	51
		Jul-12	14	30	44
		Aug-12	19	30	49
		Sep-12	17	27	45
			Annual Average	25	28

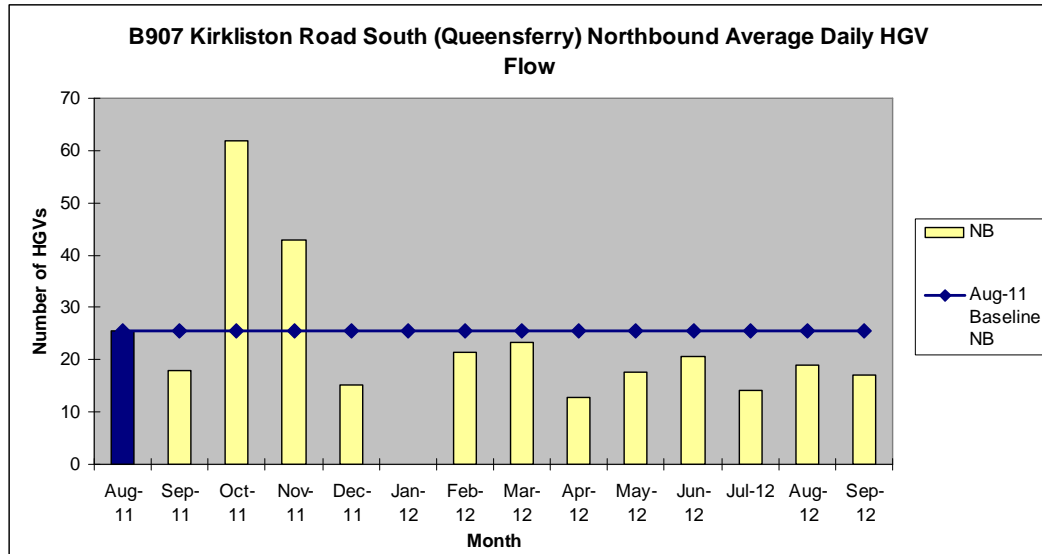


Figure 5-252 Monthly Eastbound HGV Flows on the B907 Kirkliston Road (South Queensferry)

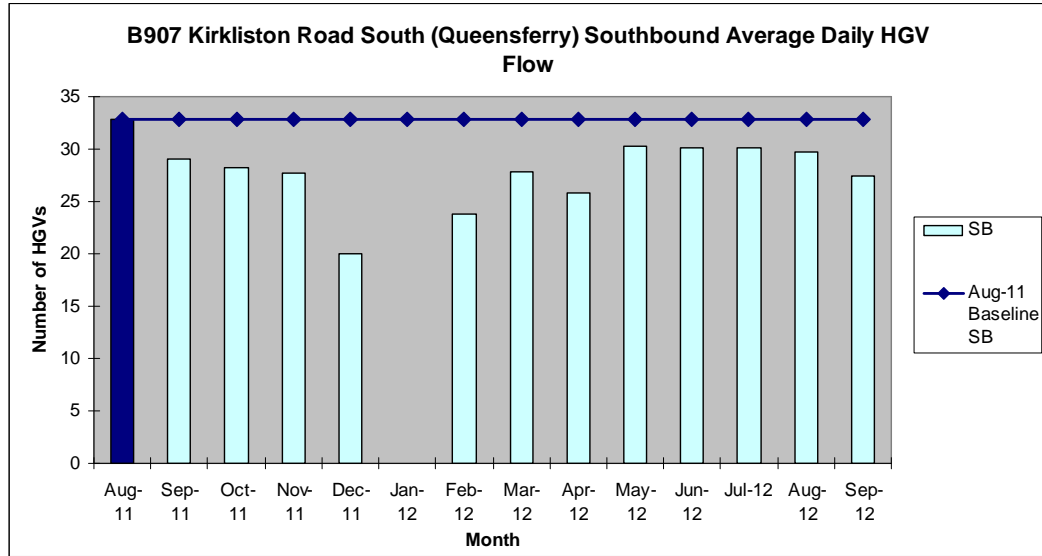


Figure 5-253 Monthly Westbound HGVS Flows on the B907 Kirkliston Road (South Queensferry)

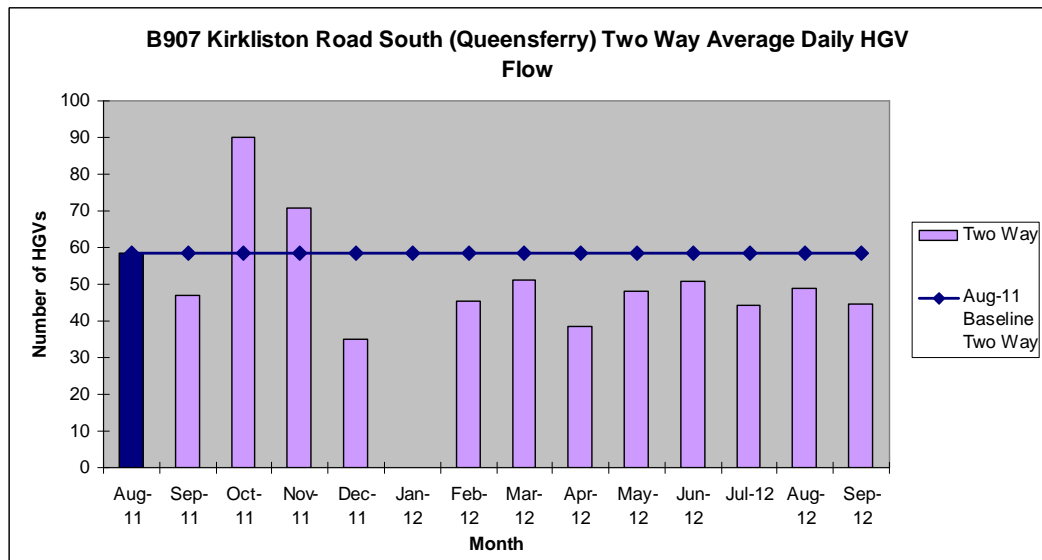


Figure 5-254 Monthly Two Way HGVS Flows on the B907 Kirkliston Road (South Queensferry)

5.14.5 Monthly Average AM Peak HGV Flows

Table 5-96 Site: JTC00603 AM Peak HGV Traffic Flows – August 2011 to September 2012

Counter	Location	Date	NB	SB	Two Way
JTC00603	B907 Kirkliston Road (South Queensferry)	Aug-11	7	6	14
		Sep-11	7	5	12
		Oct-11	11	5	16
		Nov-11	7	3	10
		Dec-11	3	2	5
		Jan-12	No Data	No Data	No Data
		Feb-12	5	3	8
		Mar-12	5	4	9
		Apr-12	4	4	8
		May-12	5	5	11
		Jun-12	7	6	12
		Jul-12	4	5	9
		Aug-12	4	5	9
		Sep-12	6	5	11
		Annual Average	6	4	10

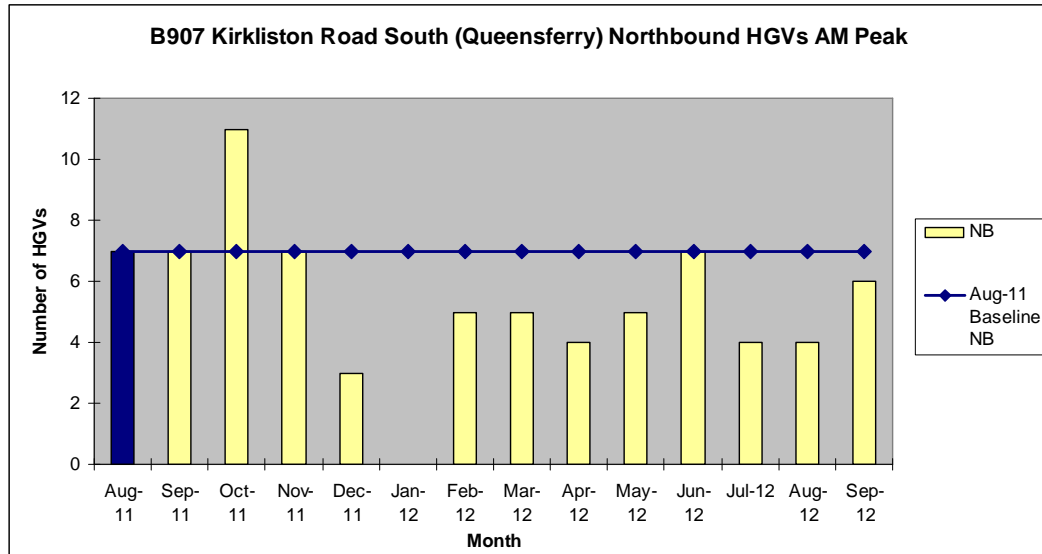


Figure 5-255 Monthly Eastbound AM Peak HGV Flows on the B907 Kirkliston Road (South Queensferry)

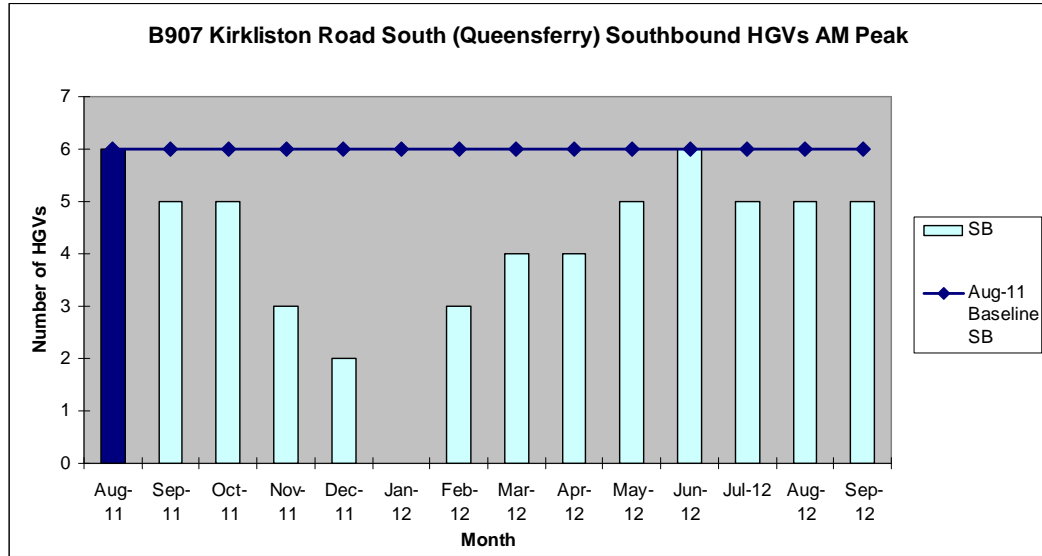


Figure 5-256 Monthly Westbound AM Peak HGV Flows on the B907 Kirkliston Road (South Queensferry)

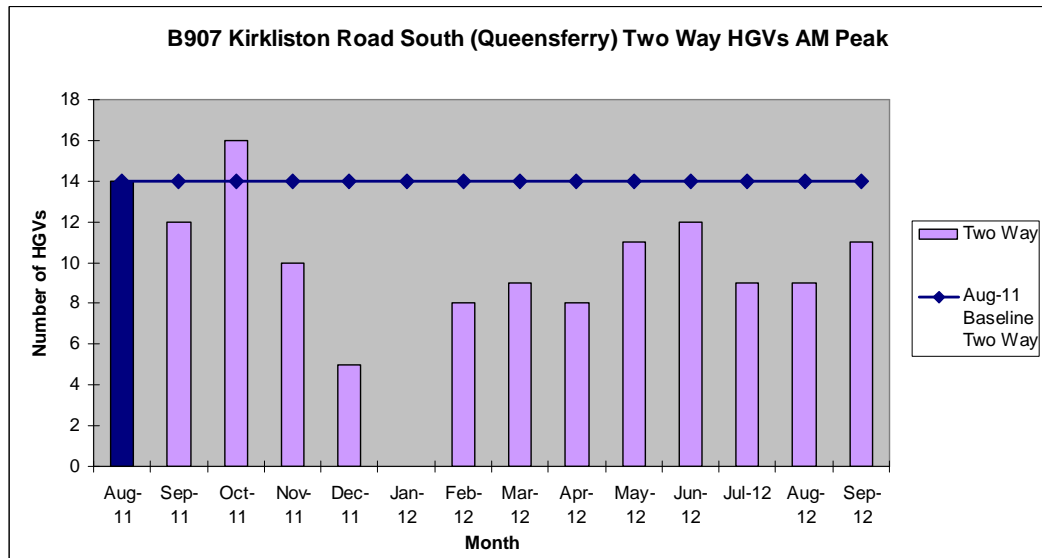


Figure 5-257 Monthly Two Way AM Peak HGV Flows on the B907 Kirkliston Road (South Queensferry)

5.14.6 Monthly Average PM Peak HGV Flows

Table 5-97 Site: JTC00603 PM Peak HGV Traffic Flows – August 2011 to September 2012

Counter	Location	Date	NB	SB	Two Way
JTC00603	B907 Kirkliston Road (South Queensferry)	Aug-11	5	8	13
		Sep-11	3	7	10
		Oct-11	11	6	18
		Nov-11	9	7	16
		Dec-11	3	6	9
		Jan-12	No Data	No Data	No Data
		Feb-12	5	7	11
		Mar-12	5	7	12
		Apr-12	2	6	9
		May-12	3	8	11
		Jun-12	4	8	12
		Jul-12	3	9	12
		Aug-12	5	9	13
		Sep-12	3	7	10
		Annual Average	5	7	12

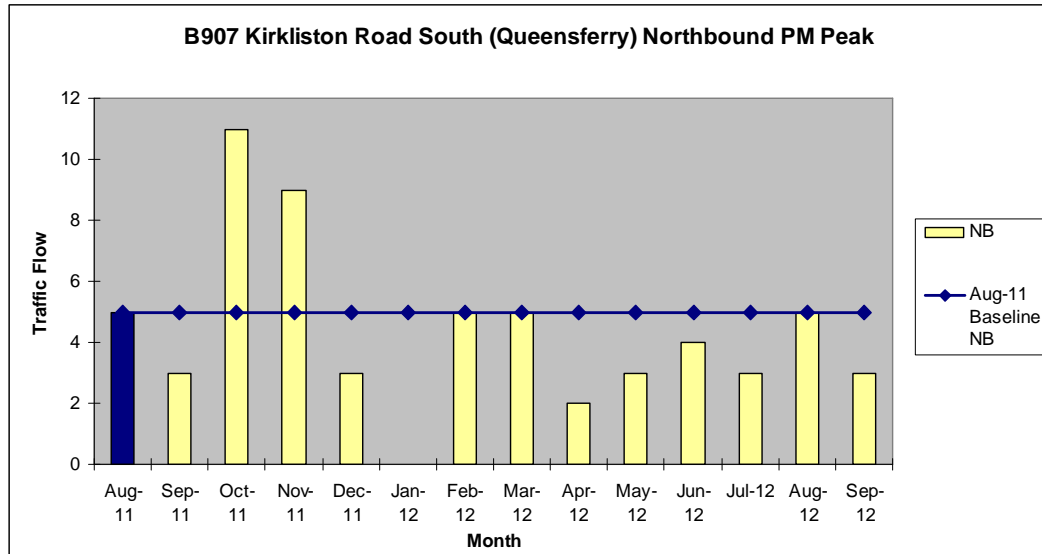


Figure 5-258 Monthly Eastbound PM HGV Peak Flows on the B907 Kirkliston Road (South Queensferry)

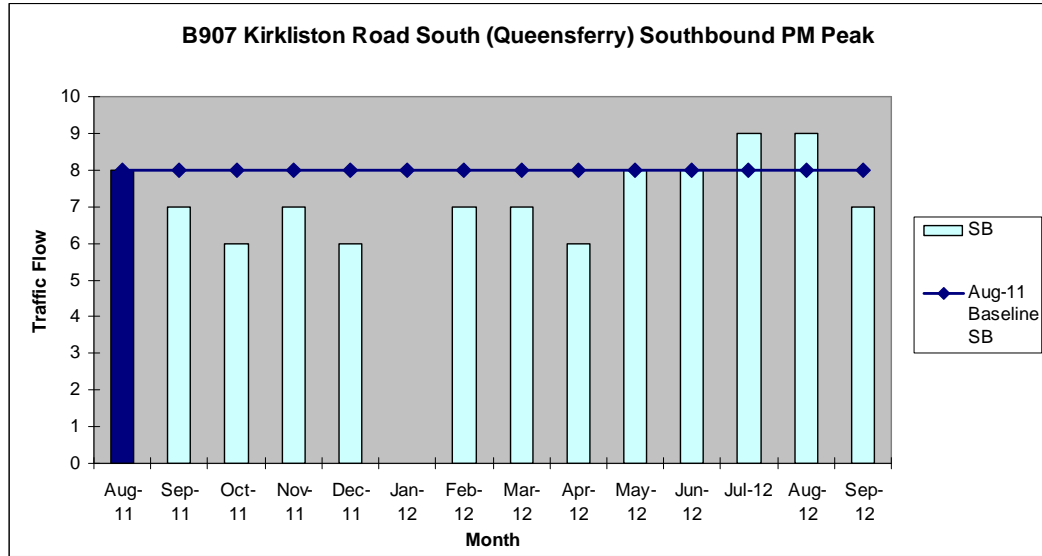


Figure 5-259 Monthly Westbound PM Peak HG V Flows on the B907 Kirkliston Road (South Queensferry)

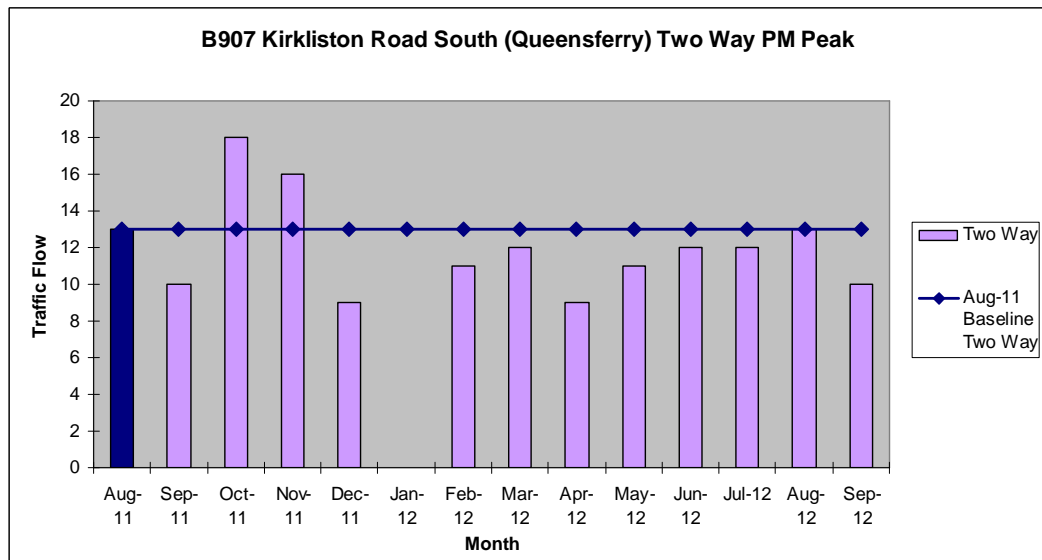


Figure 5-260 Monthly Two Way PM Peak HG V Flows on the B907 Kirkliston Road (South Queensferry)

5.14.7 Monthly Average All Vehicles Traffic Speeds

Table 5-98 Site: JTC00603 Average Monthly Traffic Speeds (KPH) (All Vehicles) – August 2011 to September 2012

Counter	Location	Date	NB	SB
JTC00603	B907 Kirkliston Road (South Queensferry)	Aug-11	45	45
		Sep-11	46	45
		Oct-11	45	45
		Nov-11	44	45
		Dec-11	33	34
		Jan-12	25	25
		Feb-12	45	45
		Mar-12	45	45
		Apr-12	45	46
		May-12	44	43
		Jun-12	45	45
		Jul-12	45	45
		Aug-12	43	43
Sep-12	45	45		

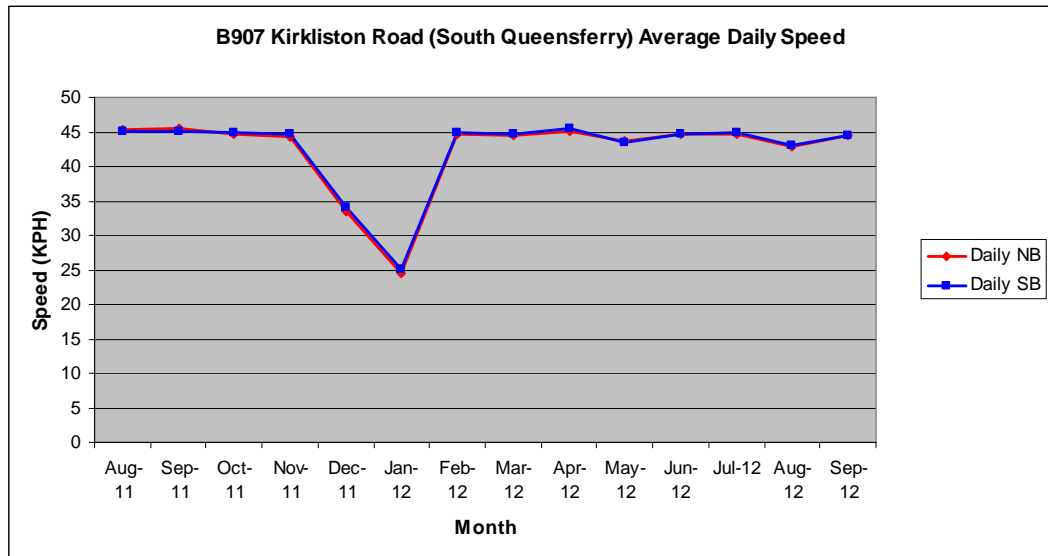


Figure 5-261 Average Monthly Traffic Speeds (KPH) on the B907 Kirkliston Road (South Queensferry)

6 Other Roads – Automatic Traffic Counter Data

6.1 Traffic Counter JTC00392 – Hillend Road (West of Inverkeithing)

6.1.1 Monthly Average Traffic Flows

Table 3-1 Site: JTC00392 Annual Traffic Flows – August 2011 to September 2012

Counter	Location	Date	EB	WB	Two Way
JTC00392	Hillend Road (West of Inverkeithing)	Aug-11	1,407	1,074	2,481
		Sep-11	1,459	1,172	2,631
		Oct-11	1,312	1,061	2,373
		Nov-11	1,540	1,258	2,798
		Dec-11	1,428	1,145	2,573
		Jan-12	1,514	1,244	2,758
		Feb-12	1,547	1,247	2,794
		Mar-12	1,600	1,290	2,890
		Apr-12	1,449	1,193	2,642
		May-12	1,606	1,286	2,892
		Jun-12	1,489	1,198	2,687
		Jul-12	1,222	982	2,205
		Aug-12	1,463	1,187	2,650
		Sep-12	1,525	1,262	2,787
Annual Average			1,464	1,179	2,644

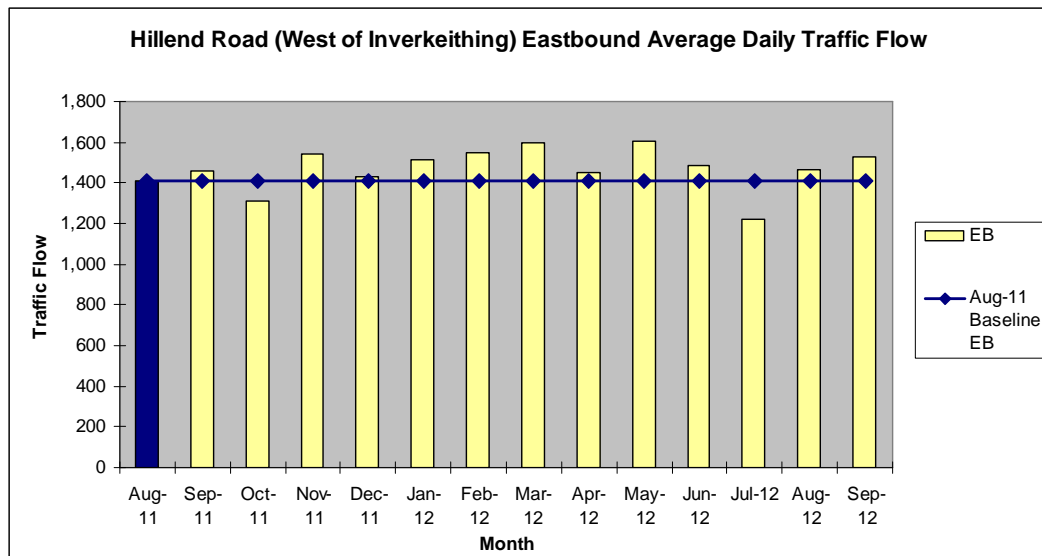


Figure 6-1 Monthly Eastbound AADTs on the Hillend Road (West of Inverkeithing)

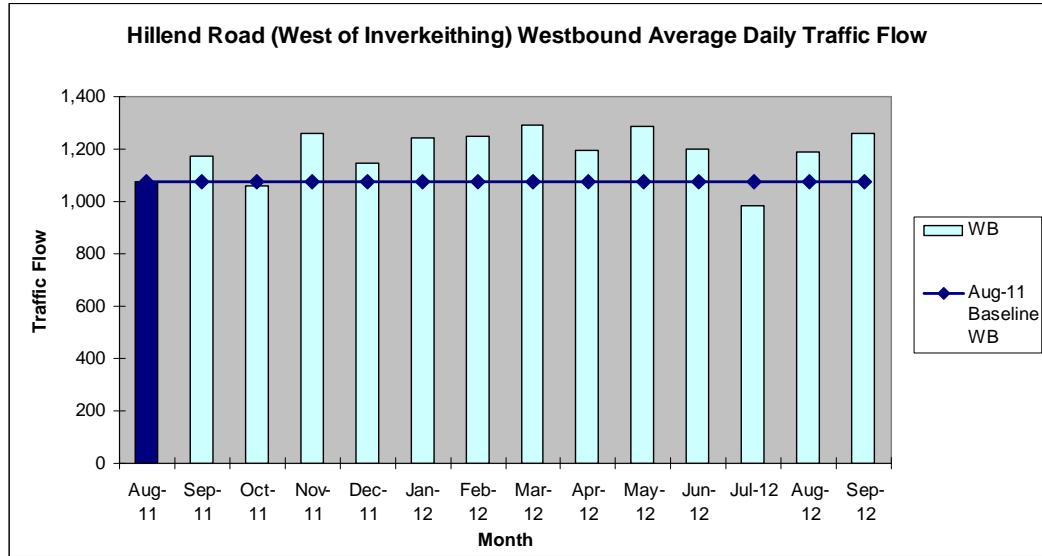


Figure 6-2 Monthly Westbound AADTs on the Hillend Road (West of Inverkeithing)

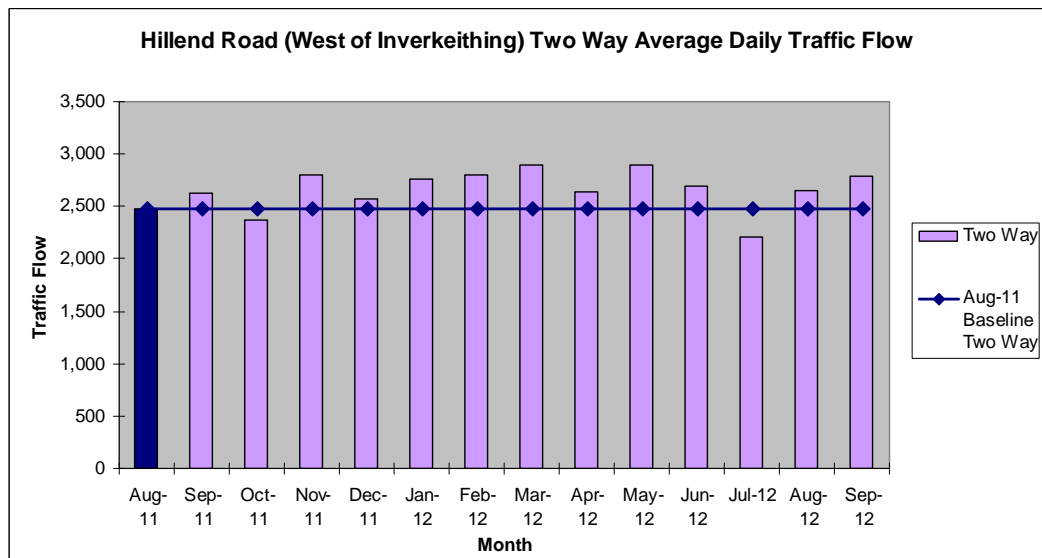


Figure 6-3 Monthly Two Way Daily Traffic Flows on the Hillend Road (West of Inverkeithing)

6.1.2 Monthly Average AM Peak Traffic Flows

Table 6-2 Site: JTC00392 AM Peak Traffic Flows – August 2011 to September 2012

Counter	Location	Date	EB	WB	Two Way
JTC00392	Hillend Road (West of Inverkeithing)	Aug-11	240	171	411
		Sep-11	290	218	508
		Oct-11	213	187	400
		Nov-11	294	273	567
		Dec-11	277	237	515
		Jan-12	281	277	558
		Feb-12	278	264	542
		Mar-12	305	265	570
		Apr-12	235	227	462
		May-12	286	257	543
		Jun-12	267	220	487
		Jul-12	168	154	323
		Aug-12	255	210	465
		Sep-12	297	243	540
		Annual Average			261

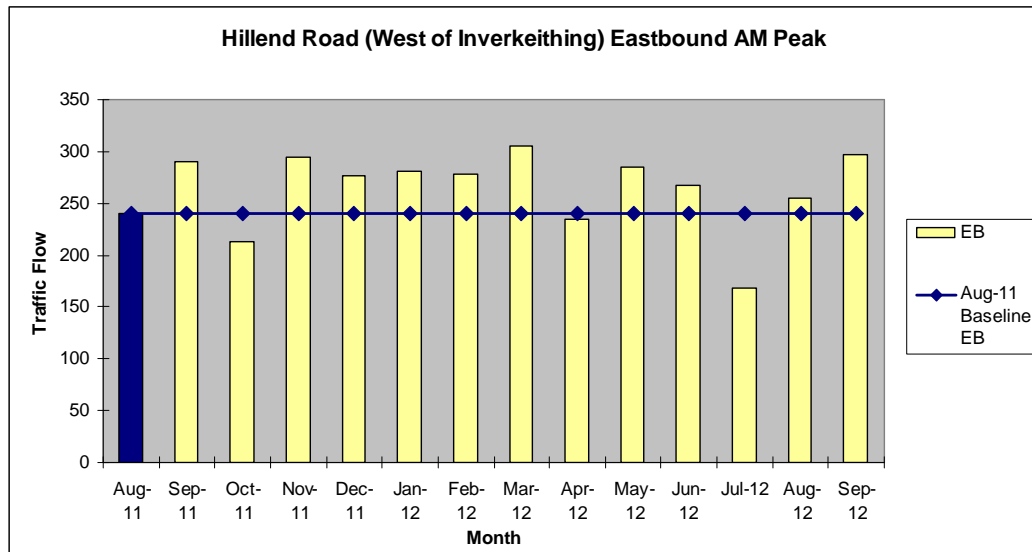


Figure 6-4 Monthly Eastbound AM Peak Flows on the Hillend Road (West of Inverkeithing)

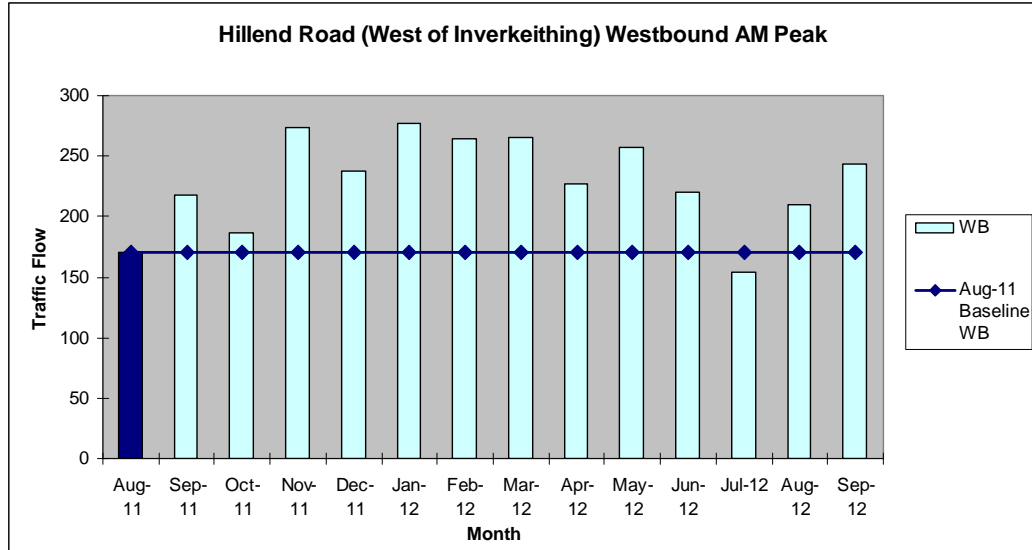


Figure 6-5 Monthly Westbound AM Peak Flows on the Hillend Road (West of Inverkeithing)

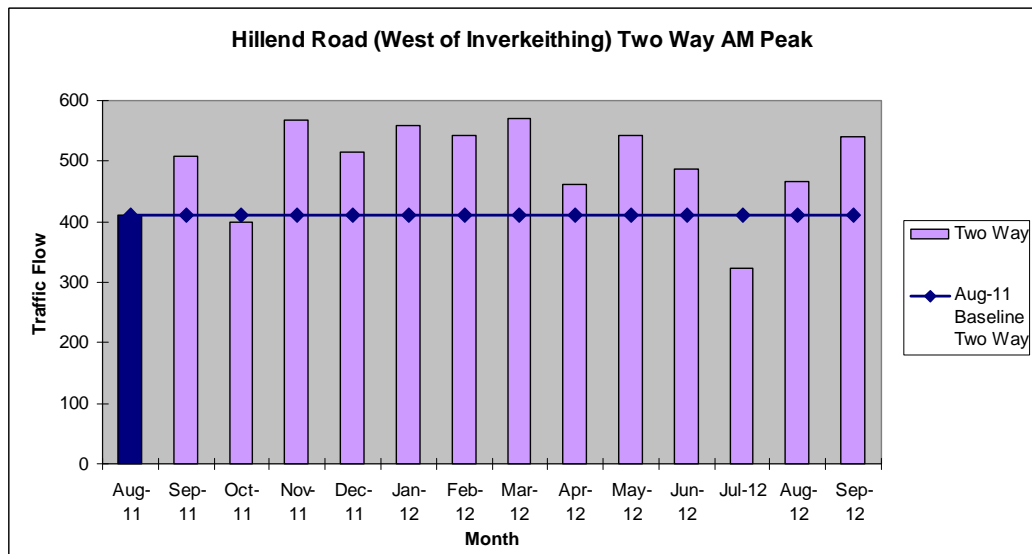


Figure 6-6 Monthly Two Way AM Peak Flows on the Hillend Road (West of Inverkeithing)

6.1.3 Monthly Average PM Peak Traffic Flows

Table 6-3 Site: JTC00392 PM Peak Traffic Flows – August 2011 to September 2012

Counter	Location	Date	EB	WB	Two Way
JTC00392	Hillend Road (West of Inverkeithing)	Aug-11	382	257	639
		Sep-11	406	283	689
		Oct-11	387	256	643
		Nov-11	450	284	734
		Dec-11	379	243	622
		Jan-12	438	271	708
		Feb-12	460	283	743
		Mar-12	463	296	759
		Apr-12	422	273	695
		May-12	475	305	779
		Jun-12	413	282	695
		Jul-12	361	239	600
		Aug-12	413	292	705
		Sep-12	430	304	735
		Annual Average			420

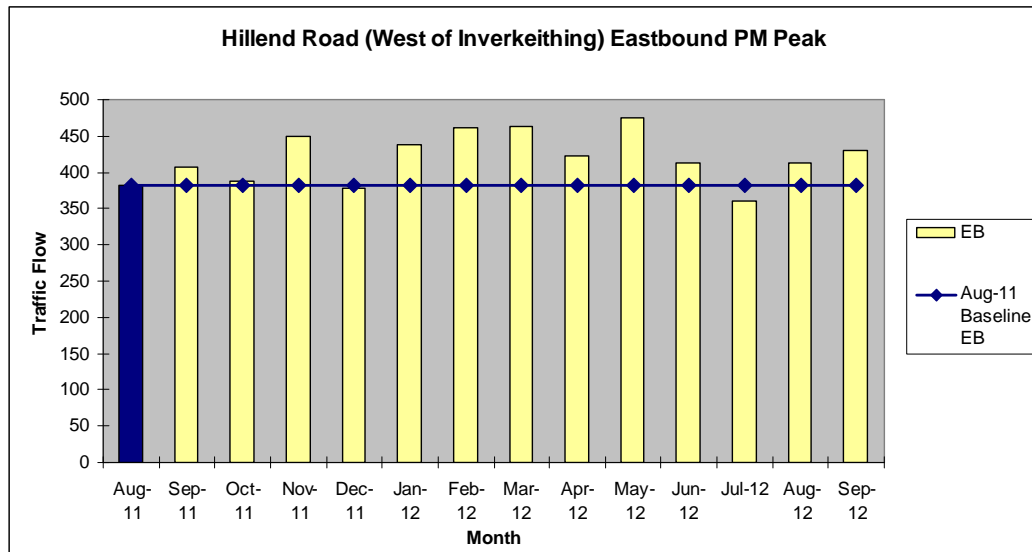


Figure 6-7 Monthly Eastbound PM Peak Flows on the Hillend Road (West of Inverkeithing)

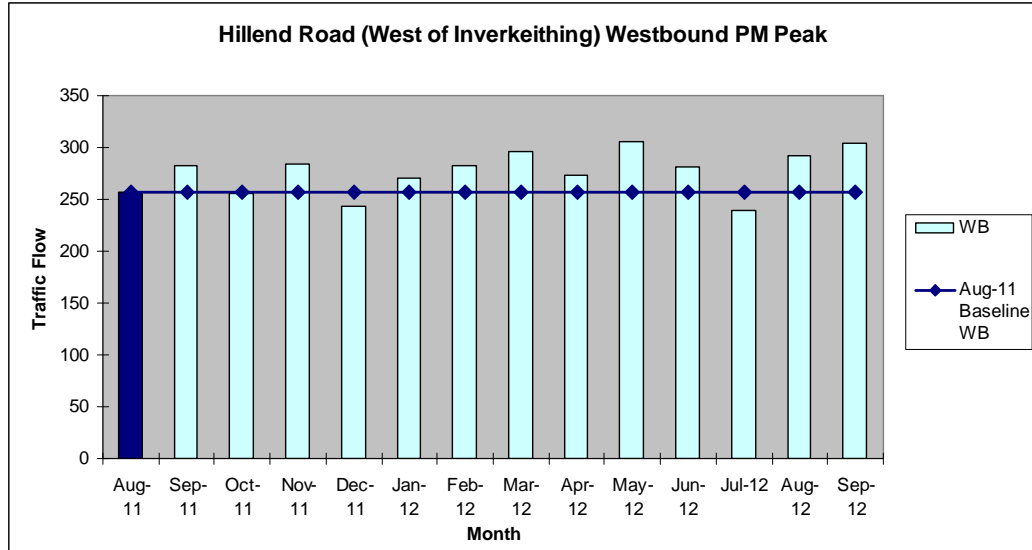


Figure 6-8 Monthly Westbound PM Peak Flows on the Hillend Road (West of Inverkeithing)

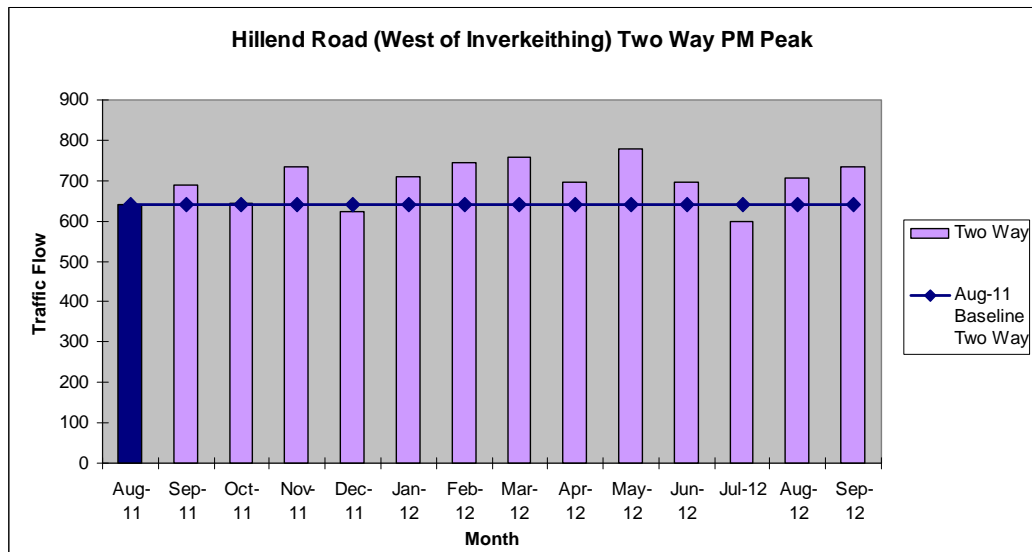


Figure 6-9 Monthly Two Way PM Peak Flows on the Hillend Road (West of Inverkeithing)

6.1.4 Monthly Average HGV Flows

Table 6-4 Site: JTC00392 Annual HGV Traffic Flows – August 2011 to September 2012

Counter	Location	Date	EB	WB	Two Way
JTC00392	Hillend Road (West of Inverkeithing)	Aug-11	34	48	82
		Sep-11	33	47	81
		Oct-11	33	47	80
		Nov-11	34	50	84
		Dec-11	30	45	74
		Jan-12	34	49	83
		Feb-12	36	52	87
		Mar-12	36	49	85
		Apr-12	35	46	81
		May-12	37	51	88
		Jun-12	36	49	85
		Jul-12	29	42	71
		Aug-12	24	43	67
		Sep-12	28	47	75
		Annual Average			34

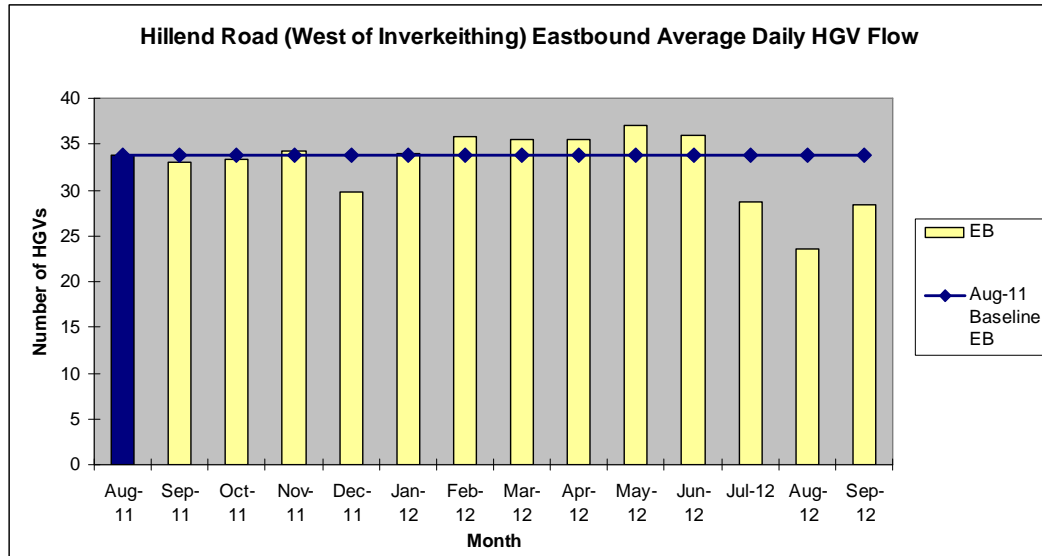


Figure 6-10 Monthly Eastbound HGV Flows on the Hillend Road (West of Inverkeithing)

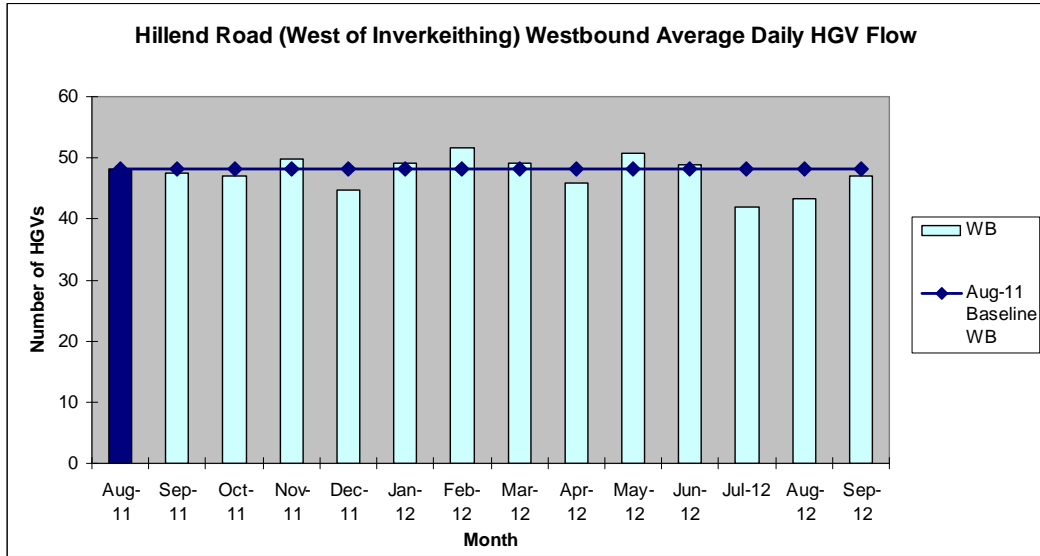


Figure 6-11 Monthly Westbound HGVS on the Hillend Road (West of Inverkeithing)

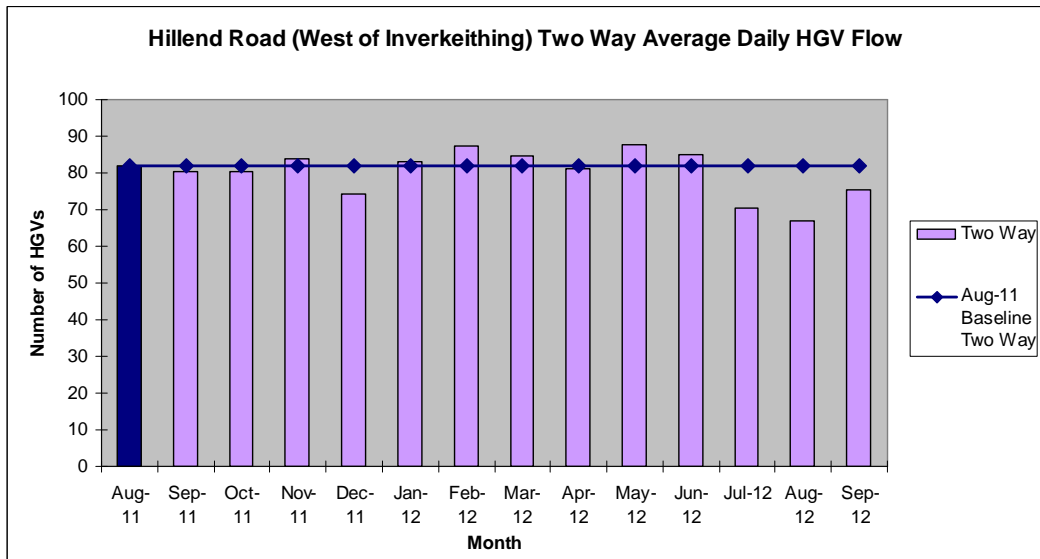


Figure 6-12 Monthly Two Way HGVS on the Hillend Road (West of Inverkeithing)

6.1.5 Monthly Average AM Peak HGV Flows

Table 6-5 Site: JTC00392 AM Peak HGV Traffic Flows – August 2011 to September 2012

Counter	Location	Date	EB	WB	Two Way
JTC00392	Hillend Road (West of Inverkeithing)	Aug-11	7	10	17
		Sep-11	7	11	18
		Oct-11	6	10	16
		Nov-11	7	12	19
		Dec-11	6	11	17
		Jan-12	7	12	19
		Feb-12	7	13	20
		Mar-12	7	12	19
		Apr-12	7	10	18
		May-12	8	12	20
		Jun-12	7	12	20
		Jul-12	6	9	14
		Aug-12	6	11	17
		Sep-12	6	12	18
		Annual Average			7

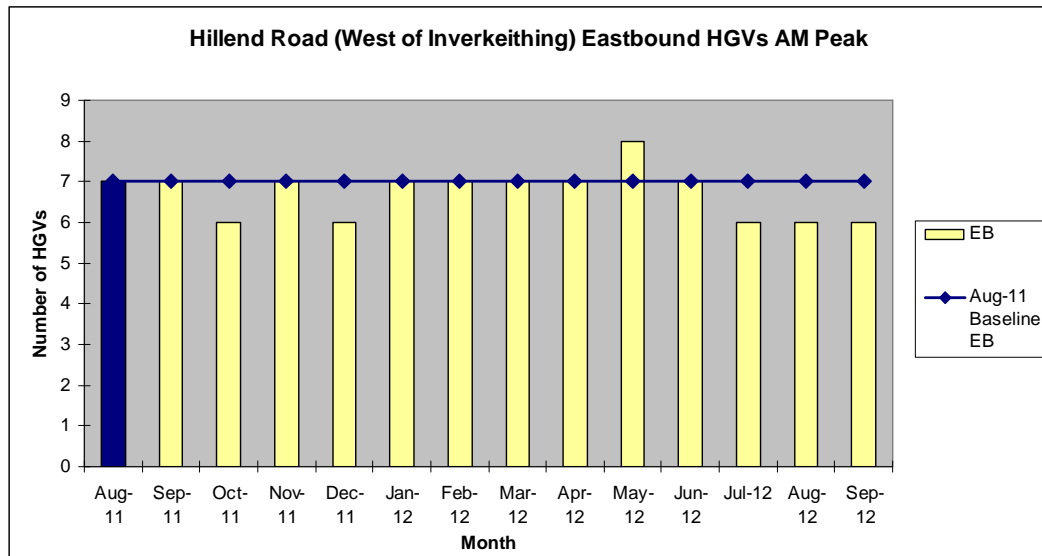


Figure 6-13 Monthly Eastbound AM Peak HGV Flows on the Hillend Road (West of Inverkeithing)

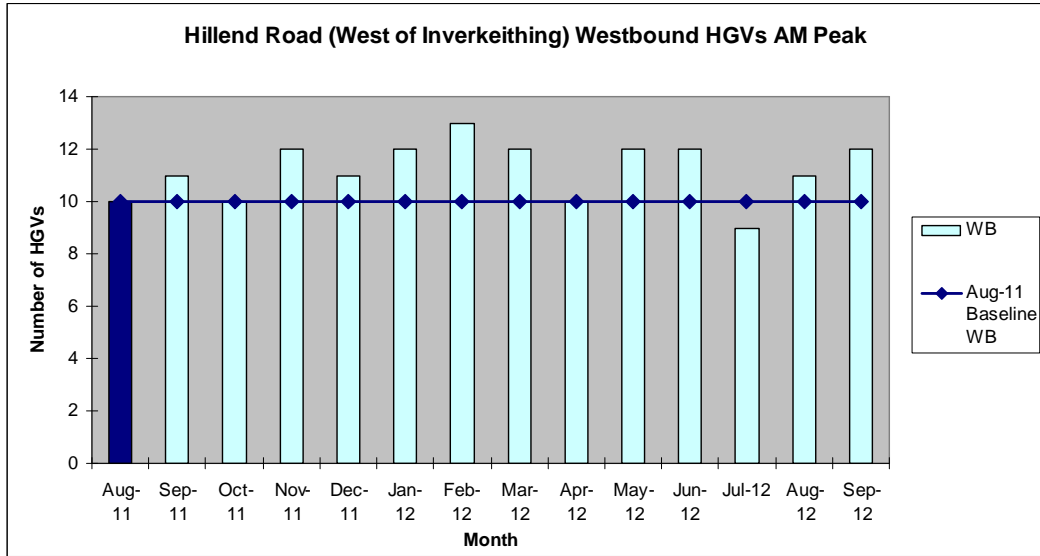


Figure 6-14 Monthly Westbound AM Peak HGV Flows on the Hillend Road (West of Inverkeithing)

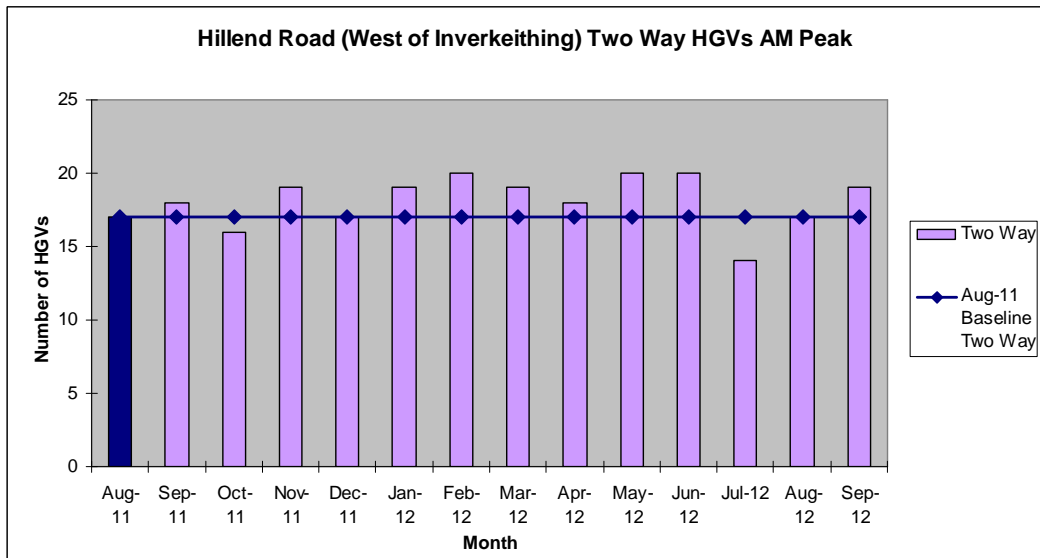


Figure 6-15 Monthly Two Way AM Peak HGV Flows on the Hillend Road (West of Inverkeithing)

6.1.6 Monthly Average PM Peak HGV Flows

Table 6-6 Site: JTC00392PM Peak HGV Traffic Flows – August 2011 to September 2012

Counter	Location	Date	EB	WB	Two Way
JTC00392	Hillend Road (West of Inverkeithing)	Aug-11	6	9	15
		Sep-11	6	8	14
		Oct-11	7	9	15
		Nov-11	7	9	16
		Dec-11	6	7	13
		Jan-12	6	8	14
		Feb-12	7	9	16
		Mar-12	7	9	15
		Apr-12	7	8	15
		May-12	7	8	15
		Jun-12	7	8	15
		Jul-12	5	7	12
		Aug-12	4	7	10
		Sep-12	5	8	13
		Annual Average			6

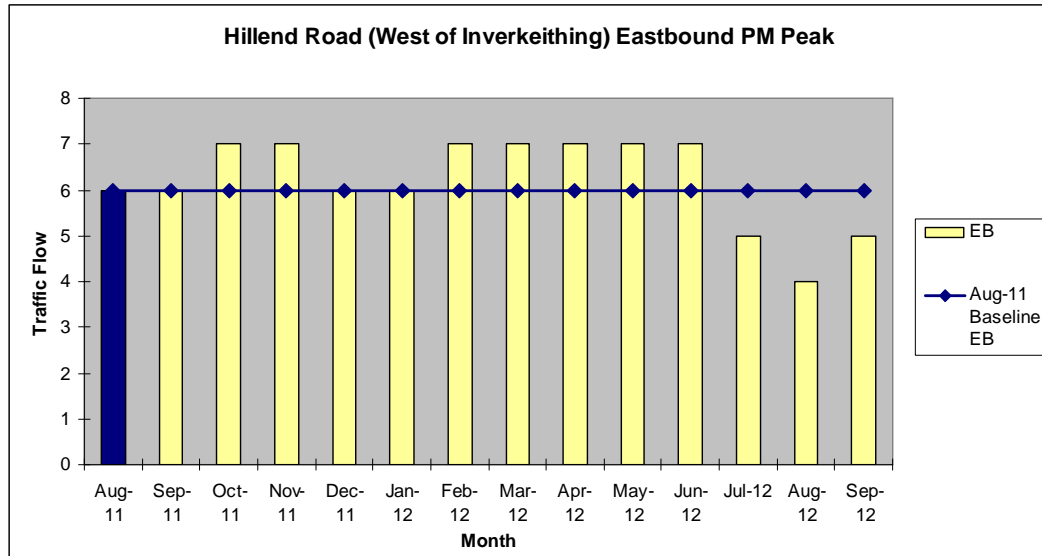


Figure 6-16 Monthly Eastbound PM HGV Peak Flows on the Hillend Road (West of Inverkeithing)

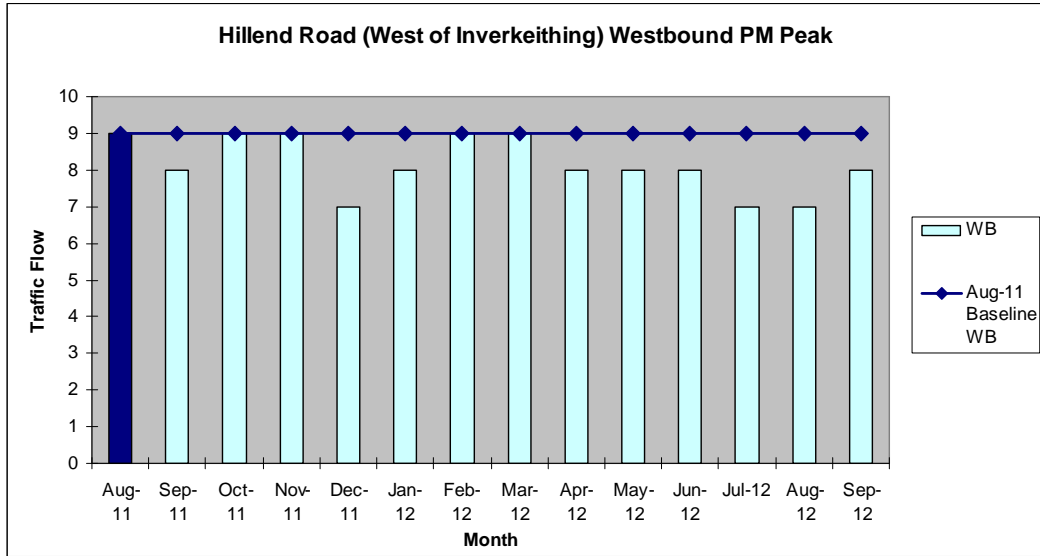


Figure 6-17 Monthly Westbound PM Peak HGV Flows on the Hillend Road (West of Inverkeithing)

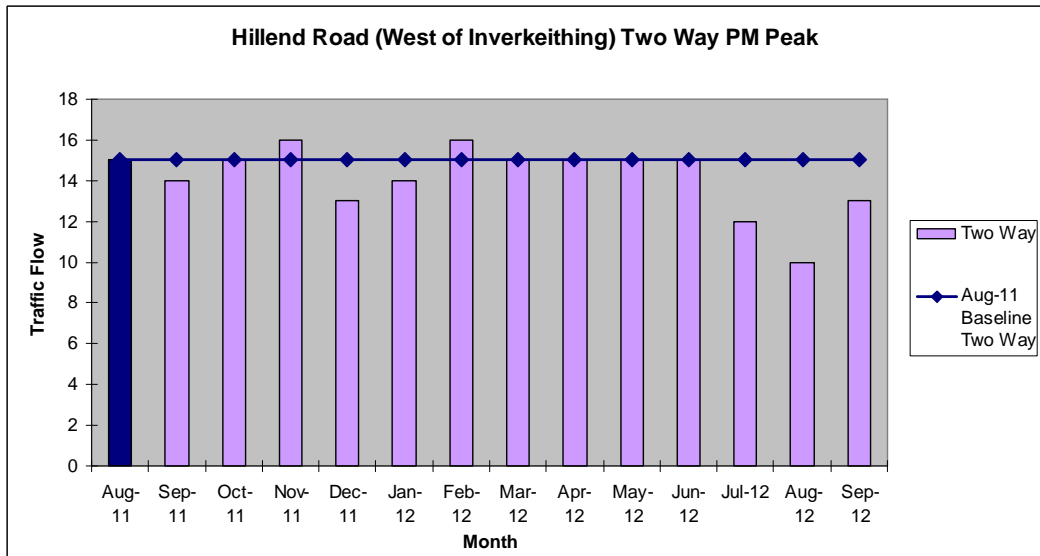


Figure 6-18 Monthly Two Way PM Peak HGV Flows on the Hillend Road (West of Inverkeithing)

6.1.7 Monthly Average All Vehicles Traffic Speeds

Table 6-7 Site: JTC00392 Average Monthly Traffic Speeds (KPH) (All Vehicles) – August 2011 to September 2012

Counter	Location	Date	EB	WB
JTC00392	Hillend Road (West of Inverkeithing)	Aug-11	46	51
		Sep-11	43	49
		Oct-11	46	50
		Nov-11	42	48
		Dec-11	44	48
		Jan-12	42	48
		Feb-12	43	48
		Mar-12	43	48
		Apr-12	46	50
		May-12	45	49
		Jun-12	45	50
		Jul-12	48	52
		Aug-12	45	50
Sep-12	44	49		

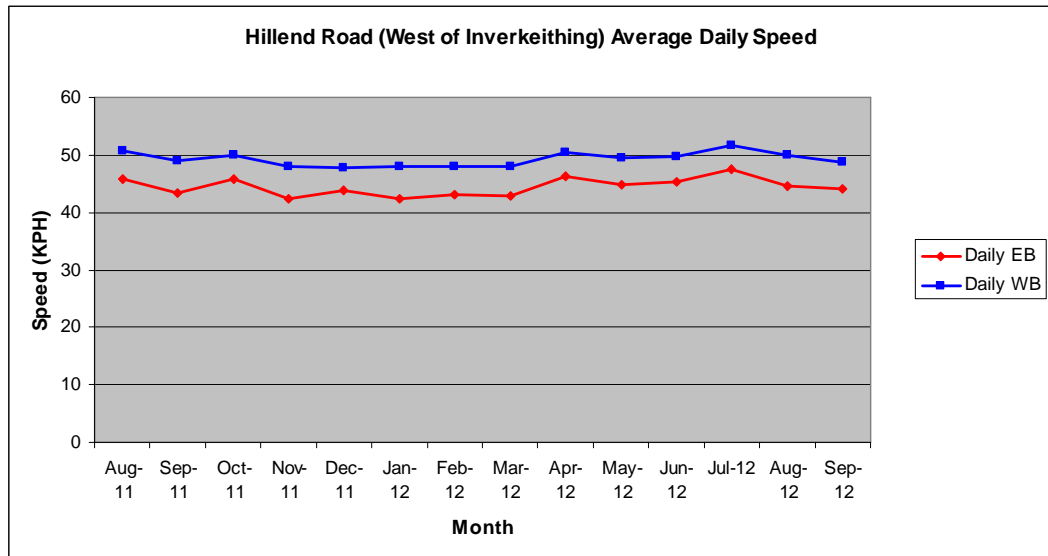


Figure 6-19 Average Monthly Traffic Speeds (KPH) on the Hillend Road (West of Inverkeithing)

6.2 Traffic Counter JTC00576 – Burnshot Road (West of Craigiehall)

6.2.1 Monthly Average Traffic Flows

Table 3-8 Site: JTC00576 Annual Traffic Flows – August 2011 to September 2012

Counter	Location	Date	EB	WB	Two Way
JTC00576	Burnshot Road (West of Craigiehall)	Aug-11	1,424	1,867	3,291
		Sep-11	1,458	1,838	3,296
		Oct-11	1,392	2,100	3,492
		Nov-11	1,542	2,145	3,687
		Dec-11	1,229	1,564	2,793
		Jan-12	1,299	1,585	2,884
		Feb-12	1,419	1,760	3,179
		Mar-12	1,484	1,857	3,342
		Apr-12	1,390	1,727	3,117
		May-12	1,588	1,921	3,509
		Jun-12	1,567	1,888	3,456
		Jul-12	1,364	1,689	3,053
		Aug-12	1,522	1,898	3,420
		Sep-12	1,465	1,805	3,270
			Annual Average		1,430

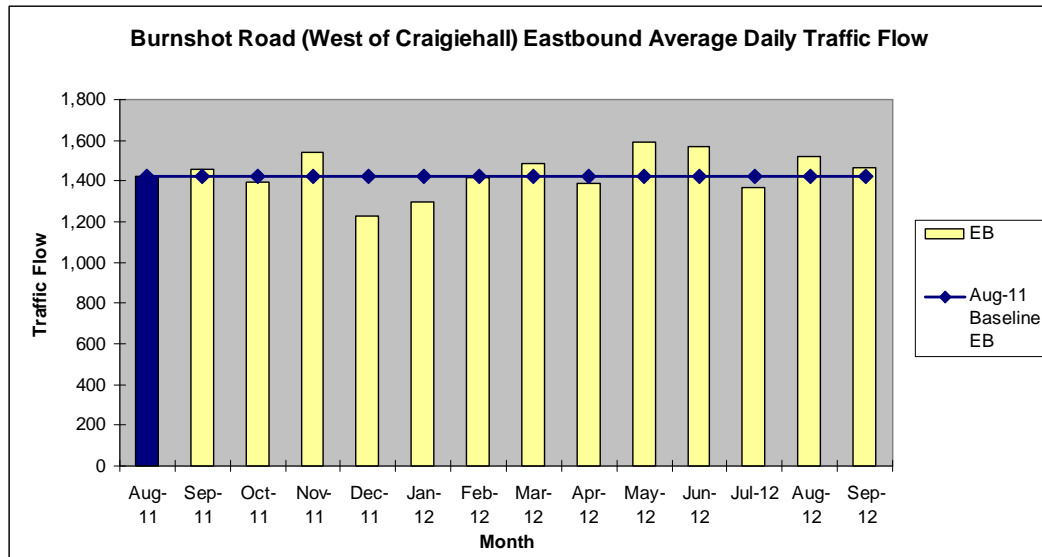


Figure 6-20 Monthly Eastbound AADTs on the Burnshot Road (West of Craigiehall)

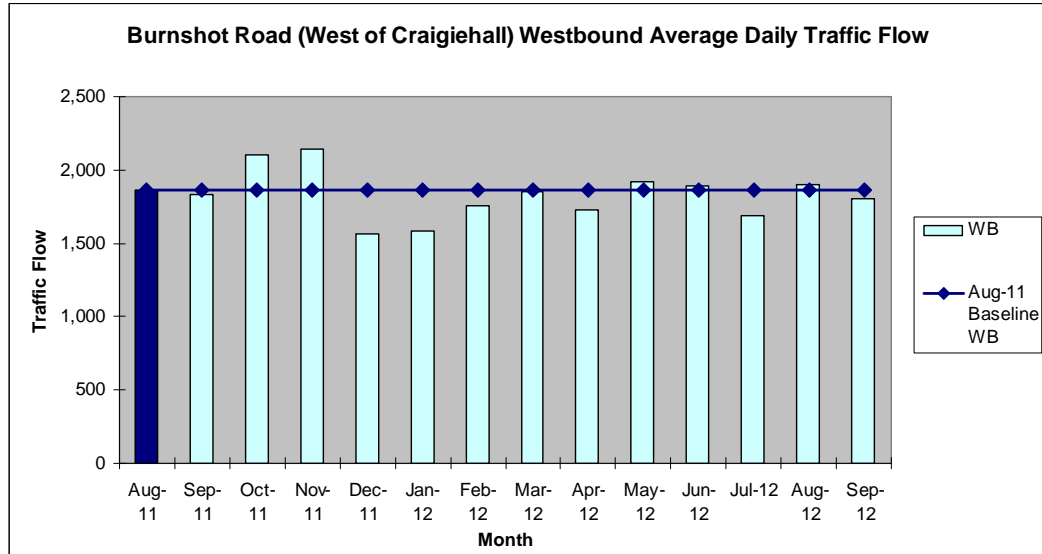


Figure 6-21 Monthly Westbound AADTs on the Burnshot Road (West of Craigiehall)

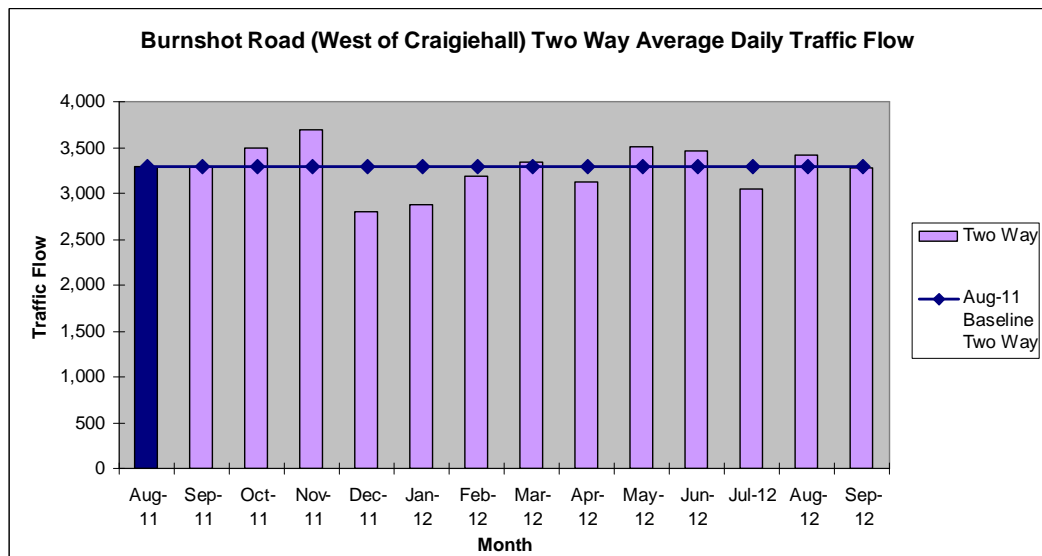


Figure 6-22 Monthly Two Way Daily Traffic Flows on the Burnshot Road (West of Craigiehall)

6.2.2 Monthly Average AM Peak Traffic Flows

Table 6-9 Site: JTC00576 AM Peak Traffic Flows – August 2011 to September 2012

Counter	Location	Date	EB	WB	Two Way
JTC00576	Burnshot Road (West of Craigiehall)	Aug-11	402	253	655
		Sep-11	453	280	733
		Oct-11	422	274	696
		Nov-11	455	256	711
		Dec-11	308	168	476
		Jan-12	374	201	575
		Feb-12	397	224	622
		Mar-12	425	255	680
		Apr-12	400	267	667
		May-12	493	301	794
		Jun-12	457	289	747
		Jul-12	354	235	588
		Aug-12	430	275	705
		Sep-12	442	278	720
		Annual Average			412

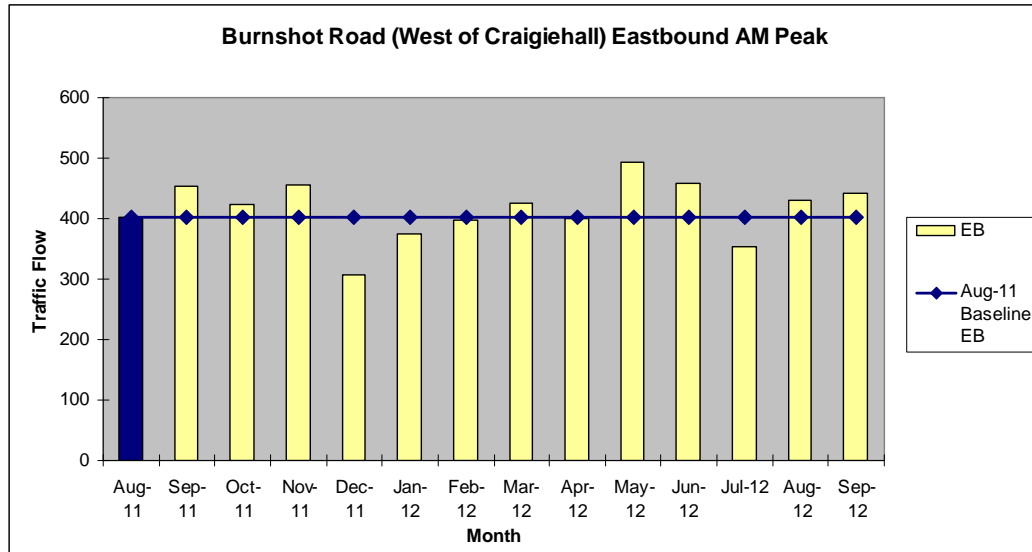


Figure 6-23 Monthly Eastbound AM Peak Flows on the Burnshot Road (West of Craigiehall)

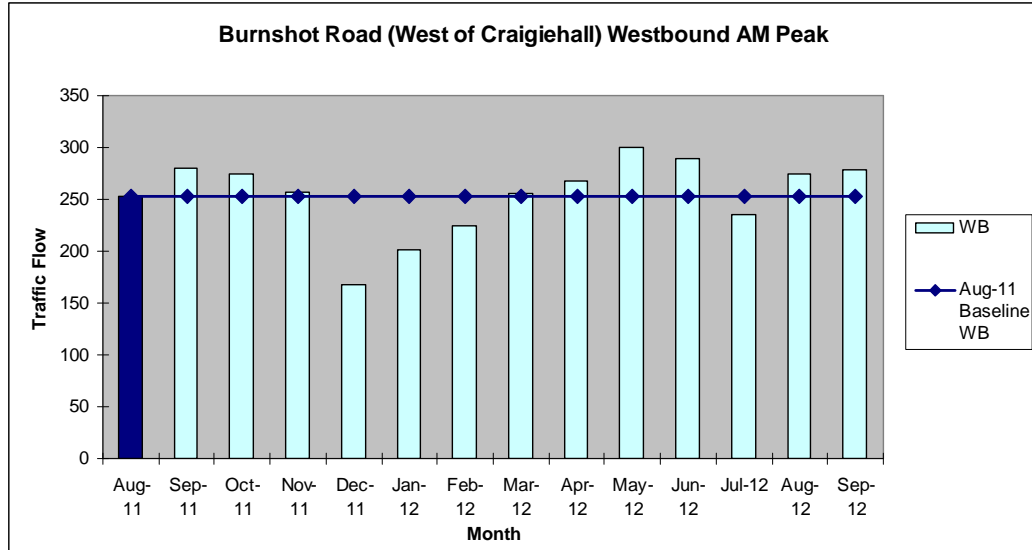


Figure 6-24 Monthly Westbound AM Peak Flows on the Burnshot Road (West of Craigiehall)

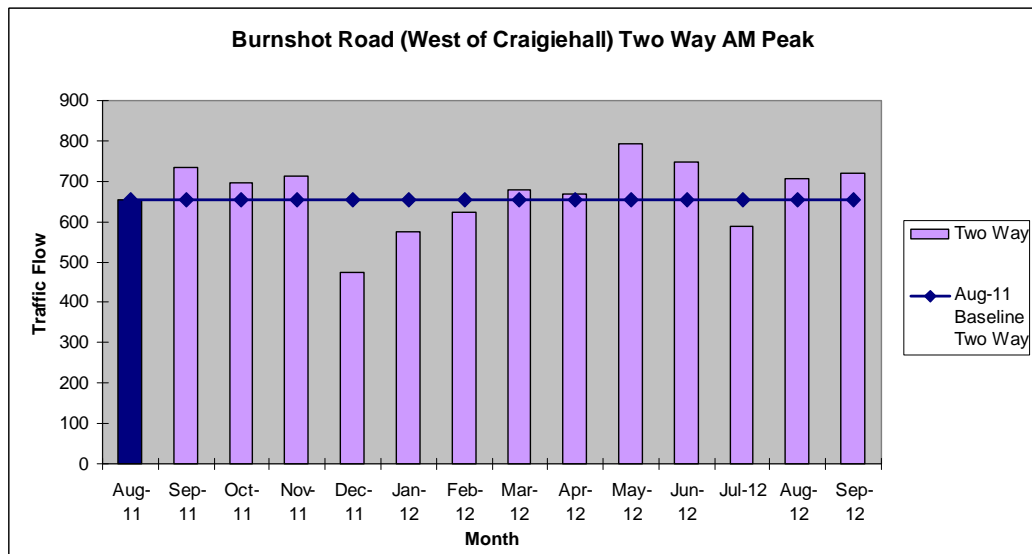


Figure 6-25 Monthly Two Way AM Peak Flows on the Burnshot Road (West of Craigiehall)

6.2.3 Monthly Average PM Peak Traffic Flows

Table 6-10 Site: JTC00576 PM Peak Traffic Flows – August 2011 to September 2012

Counter	Location	Date	EB	WB	Two Way
JTC00576	Burnshot Road (West of Craigiehall)	Aug-11	304	685	989
		Sep-11	307	660	966
		Oct-11	295	802	1,097
		Nov-11	306	803	1,110
		Dec-11	231	519	750
		Jan-12	246	556	802
		Feb-12	293	634	927
		Mar-12	316	644	960
		Apr-12	315	568	884
		May-12	376	664	1,040
		Jun-12	366	615	980
		Jul-12	324	547	872
		Aug-12	356	643	999
		Sep-12	330	612	942
		Annual Average			307

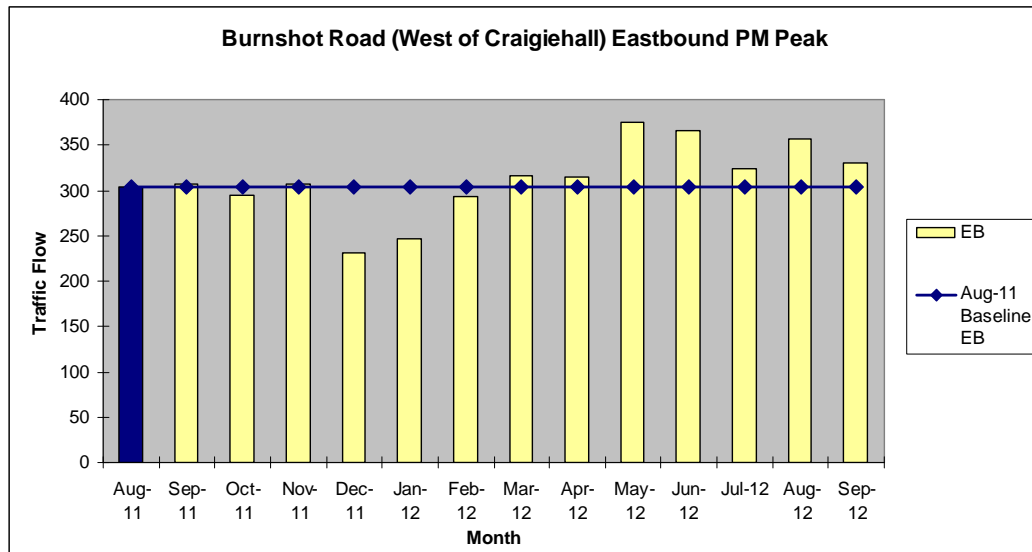


Figure 6-26 Monthly Eastbound PM Peak Flows on the Burnshot Road (West of Craigiehall)

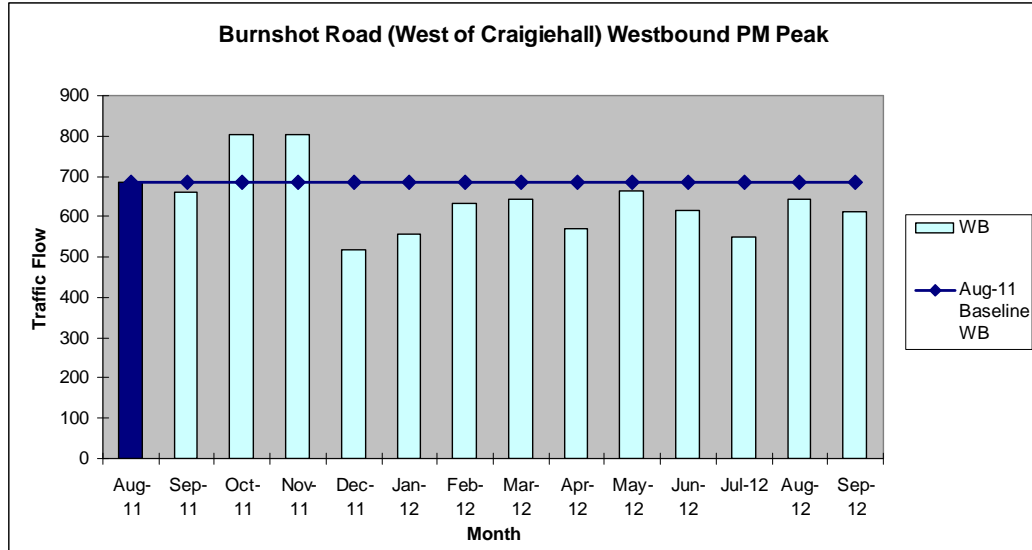


Figure 6-27 Monthly Westbound PM Peak Flows on the Burnshot Road (West of Craigiehall)

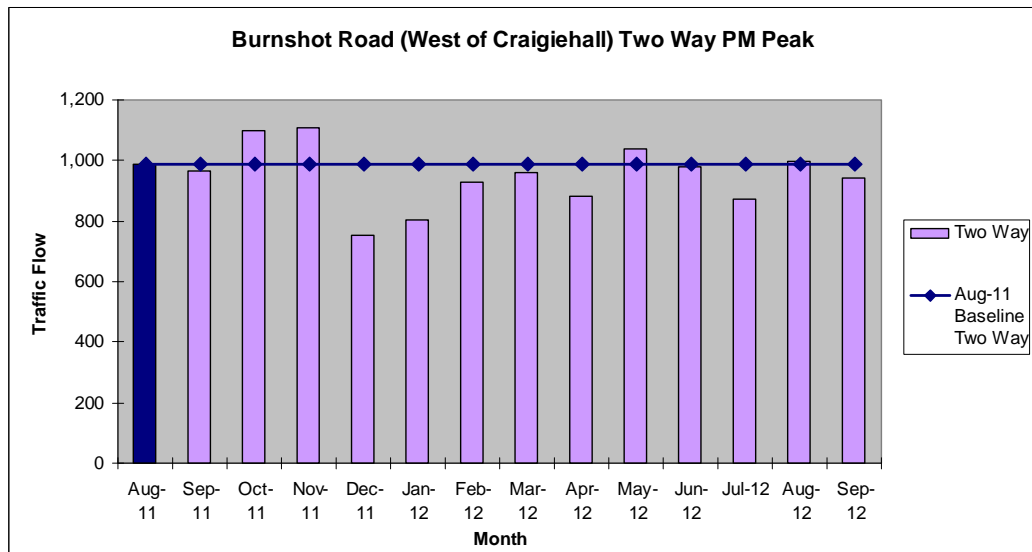


Figure 6-28 Monthly Two Way PM Peak Flows on the Burnshot Road (West of Craigiehall)

6.2.4 Monthly Average HGV Flows

Table 6-11 Site: JTC00576 Annual HGV Traffic Flows – August 2011 to September 2012

Counter	Location	Date	EB	WB	Two Way
JTC00576	Burnshot Road (West of Craigiehall)	Aug-11	6	7	13
		Sep-11	8	8	16
		Oct-11	11	11	22
		Nov-11	9	9	18
		Dec-11	7	7	14
		Jan-12	6	6	13
		Feb-12	6	6	12
		Mar-12	5	6	11
		Apr-12	7	8	15
		May-12	5	8	13
		Jun-12	4	6	10
		Jul-12	3	6	9
		Aug-12	6	8	14
		Sep-12	6	7	13
		Annual Average			7

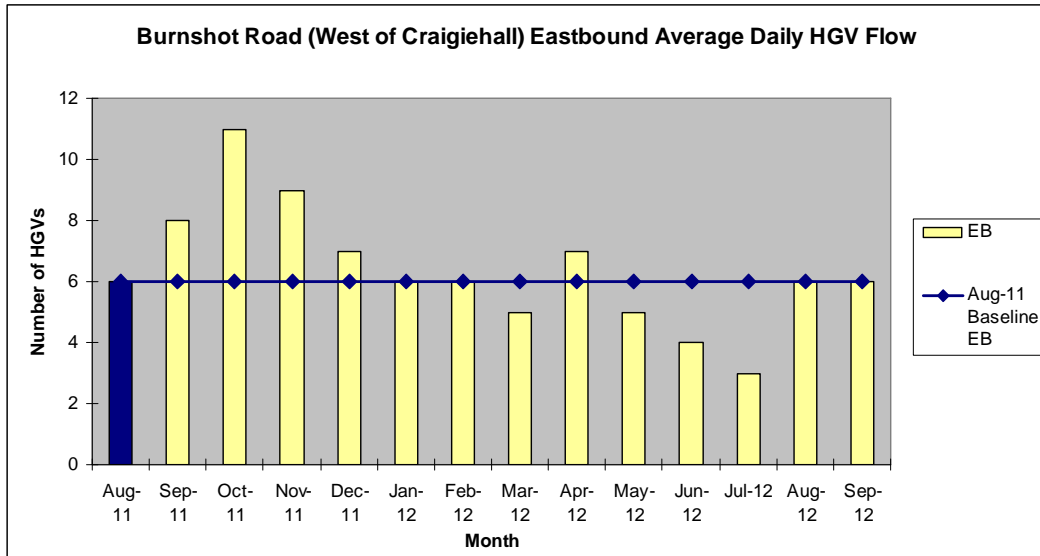


Figure 6-29 Monthly Eastbound HGV Flows on the Burnshot Road (West of Craigiehall)

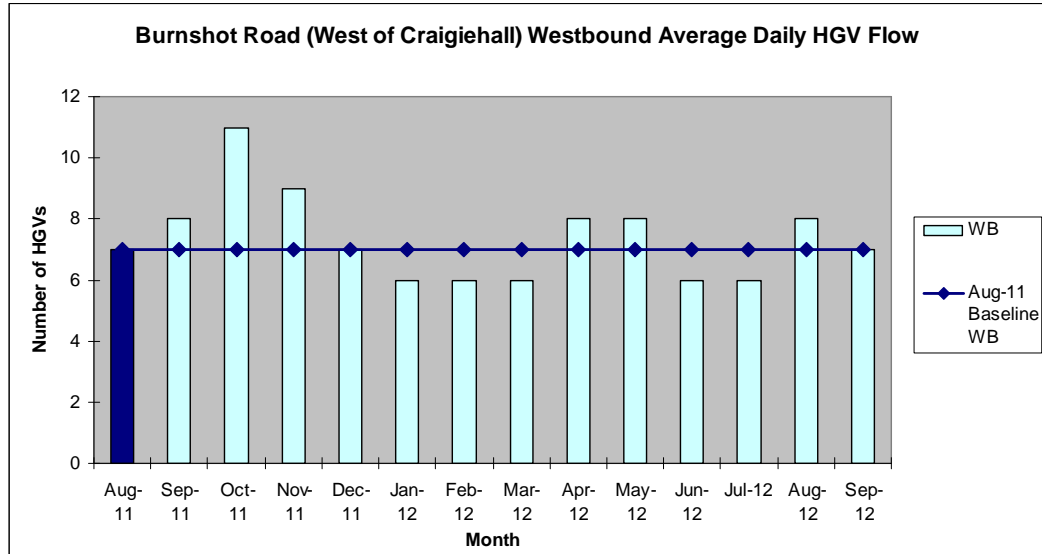


Figure 6-30 Monthly Westbound HGVS Flows on the Burnshot Road (West of Craigiehall)

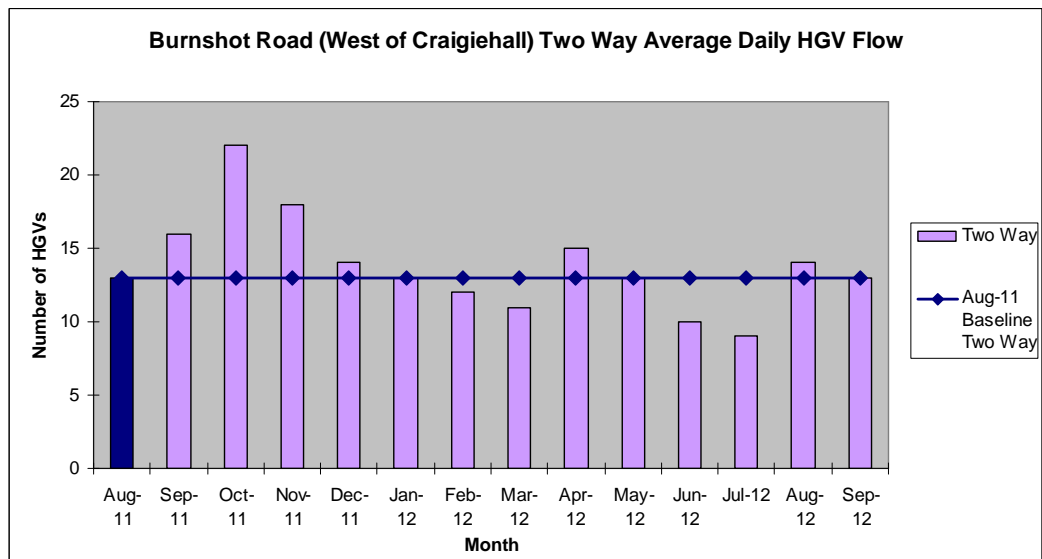


Figure 6-31 Monthly Two Way HGVS Flows on the Burnshot Road (West of Craigiehall)

6.2.5 Monthly Average AM Peak HGV Flows

Table 6-12 Site: JTC00576 AM Peak HGV Traffic Flows – August 2011 to September 2012

Counter	Location	Date	EB	WB	Two Way
JTC00576	Burnshot Road (West of Craigiehall)	Aug-11	2	1	4
		Sep-11	3	2	5
		Oct-11	3	2	5
		Nov-11	2	1	4
		Dec-11	2	1	3
		Jan-12	2	1	3
		Feb-12	2	1	2
		Mar-12	2	1	3
		Apr-12	2	2	4
		May-12	1	2	3
		Jun-12	1	1	2
		Jul-12	1	1	1
		Aug-12	2	2	4
		Sep-12	1	1	2
		Annual Average			2

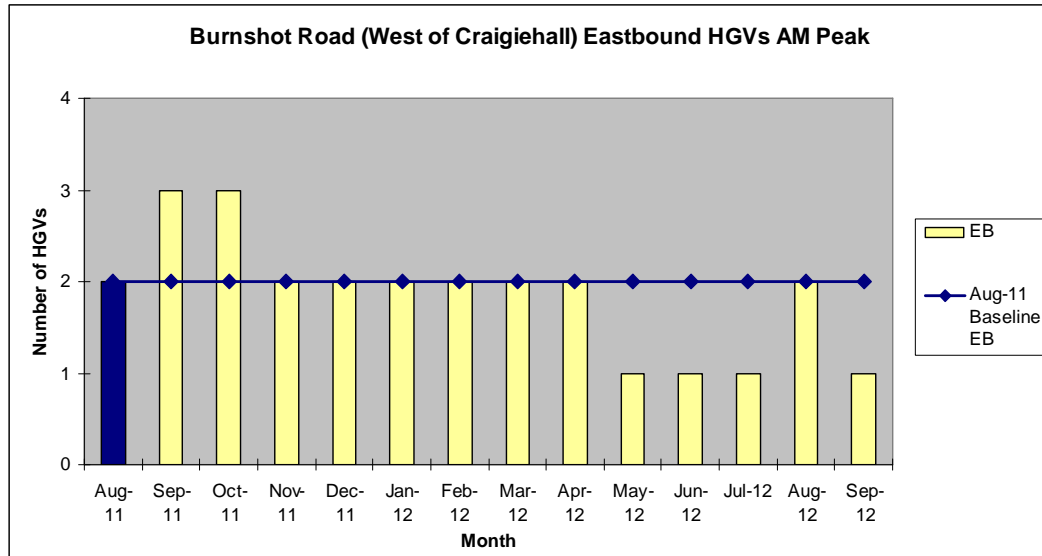


Figure 6-32 Monthly Eastbound AM Peak HGV Flows on the Burnshot Road (West of Craigiehall)

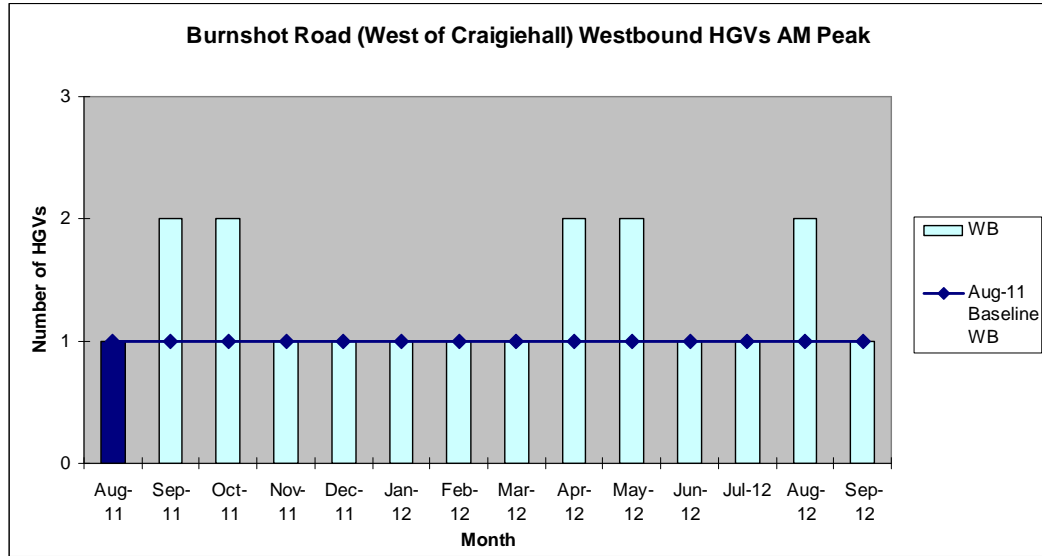


Figure 6-33 Monthly Westbound AM Peak HGV Flows on the Burnshot Road (West of Craigiehall)

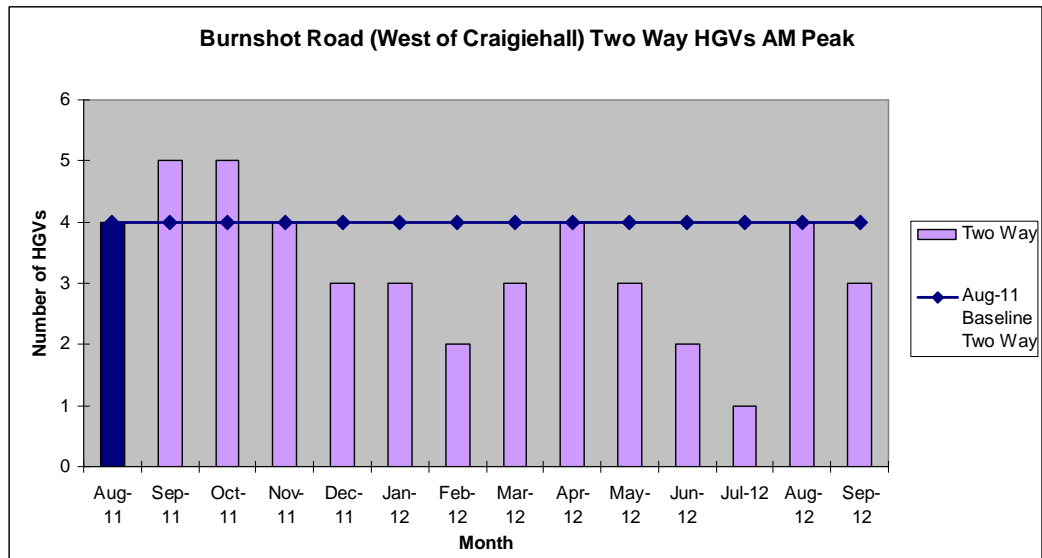


Figure 6-34 Monthly Two Way AM Peak HGV Flows on the Burnshot Road (West of Craigiehall)

6.2.6 Monthly Average PM Peak HGV Flows

Table 6-13 Site: JTC00576 PM Peak HGV Traffic Flows – August 2011 to September 2012

Counter	Location	Date	EB	WB	Two Way
JTC00576	Burnshot Road (West of Craigiehall)	Aug-11	0	1	2
		Sep-11	1	1	2
		Oct-11	2	2	4
		Nov-11	2	2	4
		Dec-11	1	2	3
		Jan-12	1	1	3
		Feb-12	1	1	2
		Mar-12	1	1	2
		Apr-12	1	1	3
		May-12	1	2	2
		Jun-12	0	1	2
		Jul-12	0	1	2
		Aug-12	1	1	2
		Sep-12	1	2	3
		Annual Average			1

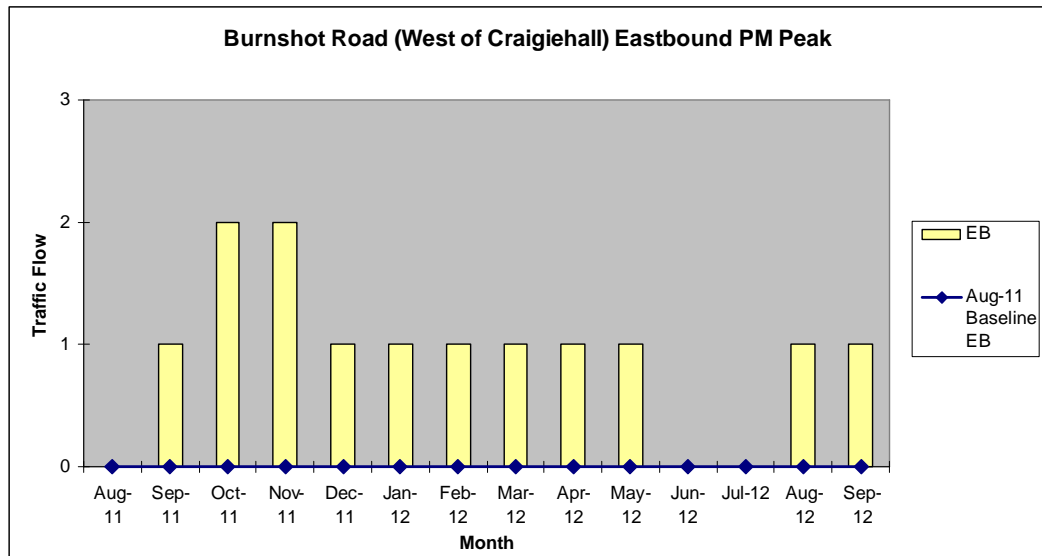


Figure 6-35 Monthly Eastbound PM HGV Peak Flows on the Burnshot Road (West of Craigiehall)

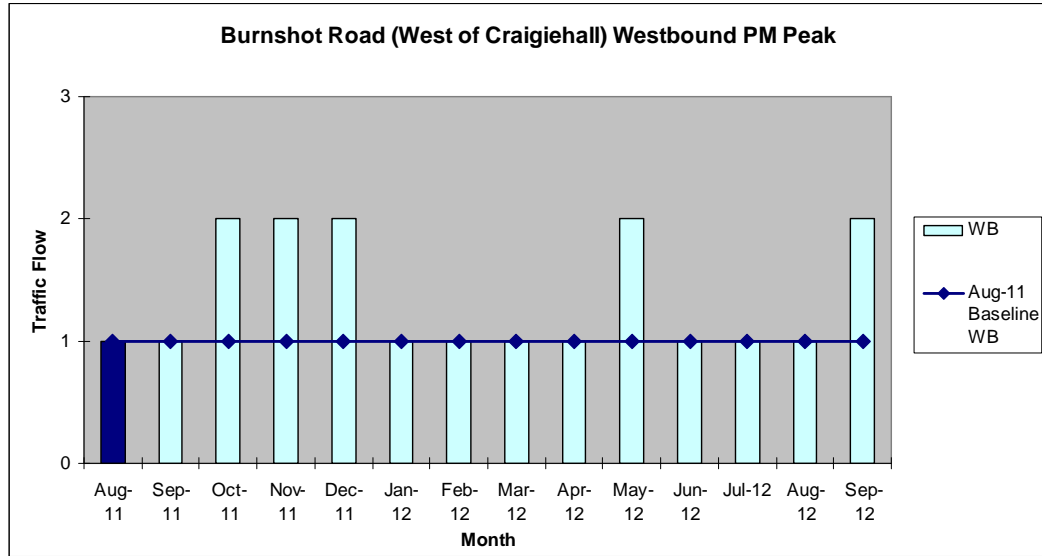


Figure 6-36 Monthly Westbound PM Peak HGV Flows on the Burnshot Road (West of Craighall)

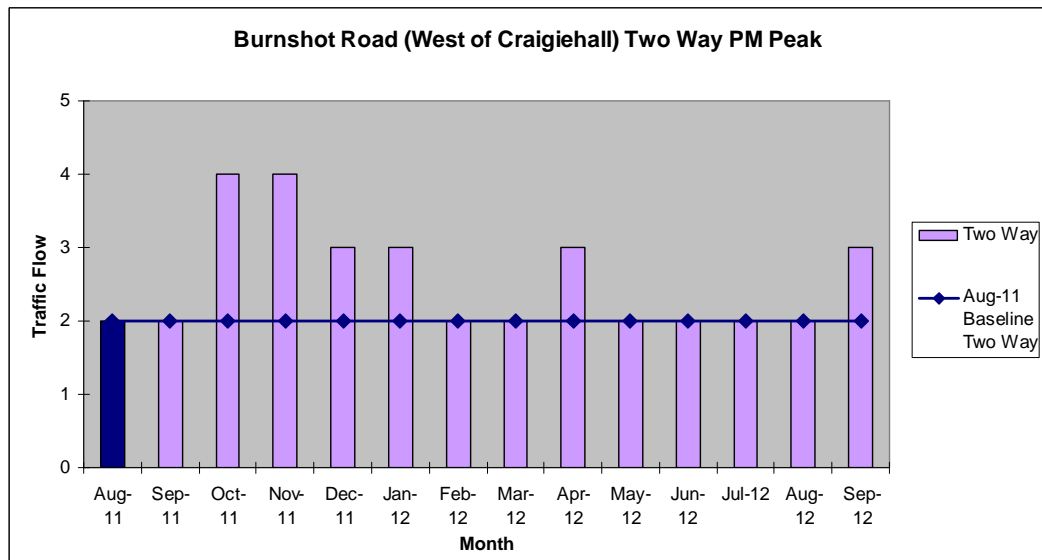


Figure 6-37 Monthly Two Way PM Peak HGV Flows on the Burnshot Road (West of Craighall)

6.2.7 Monthly Average All Vehicles Traffic Speeds

Table 6-14 Site: JTC00576 Average Monthly Traffic Speeds (KPH) (All Vehicles) – August 2011 to September 2012

Counter	Location	Date	EB	WB
JTC00576	Burnshot Road (West of Craighiehall)	Aug-11	82	85
		Sep-11	80	85
		Oct-11	81	84
		Nov-11	79	83
		Dec-11	79	81
		Jan-12	78	82
		Feb-12	78	83
		Mar-12	81	84
		Apr-12	80	85
		May-12	80	85
		Jun-12	80	85
		Jul-12	79	85
		Aug-12	79	85
Sep-12	78	84		

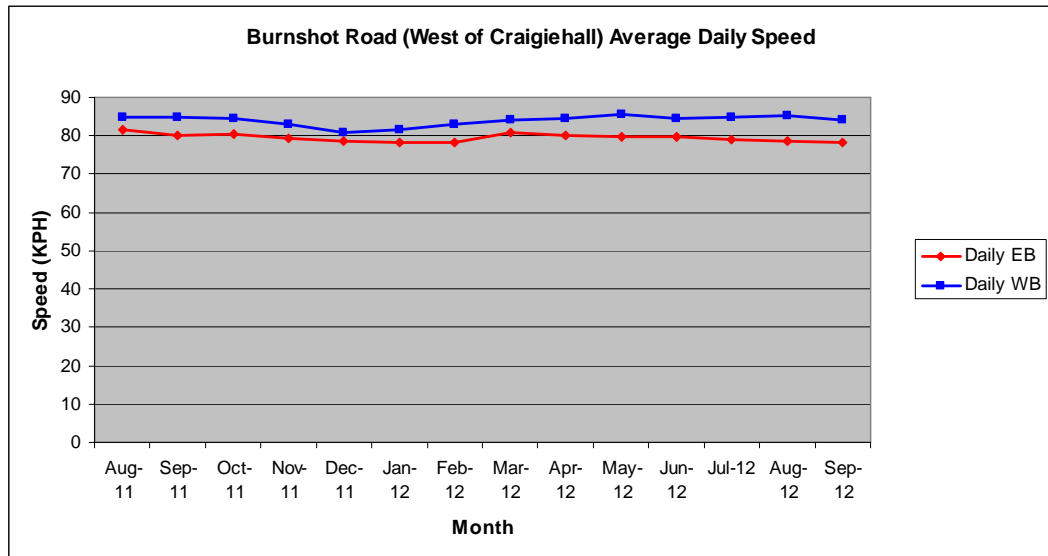


Figure 6-38 Average Monthly Traffic Speeds (KPH) on the Burnshot Road (West of Craighiehall)

6.3 Traffic Counter JTC00579 – Queensferry Road (Rosyth)

6.3.1 Monthly Average Traffic Flows

Table 3-15 Site: JTC00579 Annual Traffic Flows – August 2011 to September 2012

Counter	Location	Date	NB	SB	Two Way
JTC00579	Queensferry Road (Rosyth)	Aug-11	3,024	3,832	6,856
		Sep-11	3,009	3,414	6,423
		Oct-11	3,256	3,747	7,003
		Nov-11	3,425	3,927	7,353
		Dec-11	3,544	3,664	7,208
		Jan-12	3,070	3,352	6,421
		Feb-12	3,055	3,435	6,490
		Mar-12	3,012	3,436	6,447
		Apr-12	3,620	3,845	7,465
		May-12	3,639	4,341	7,979
		Jun-12	3,504	4,141	7,646
		Jul-12	3,411	3,974	7,385
		Aug-12	3,482	4,022	7,504
		Sep-12	3,283	3,686	6,968
		Annual Average			3,297

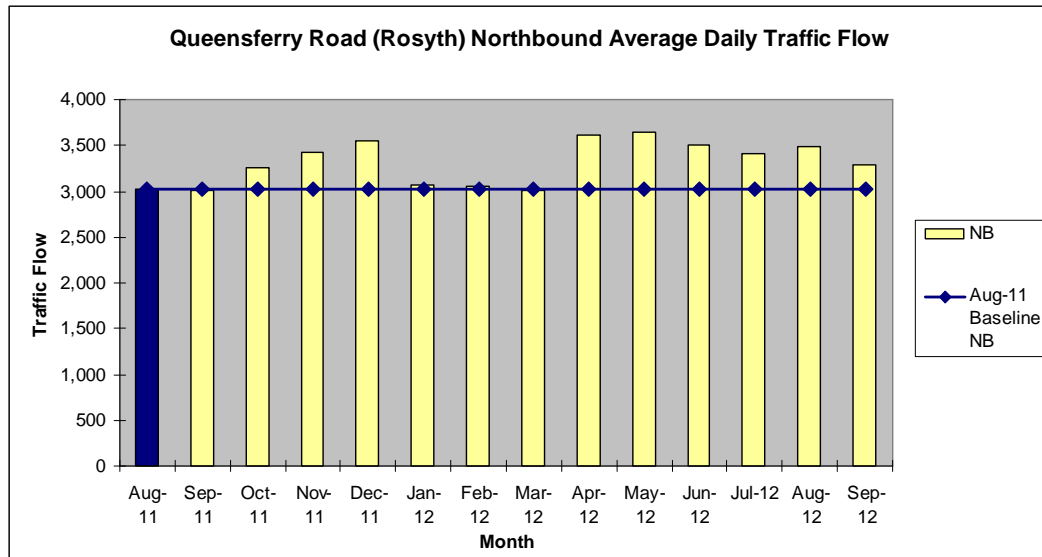


Figure 6-39 Monthly Northbound AADTs on the Queensferry Road (Rosyth)

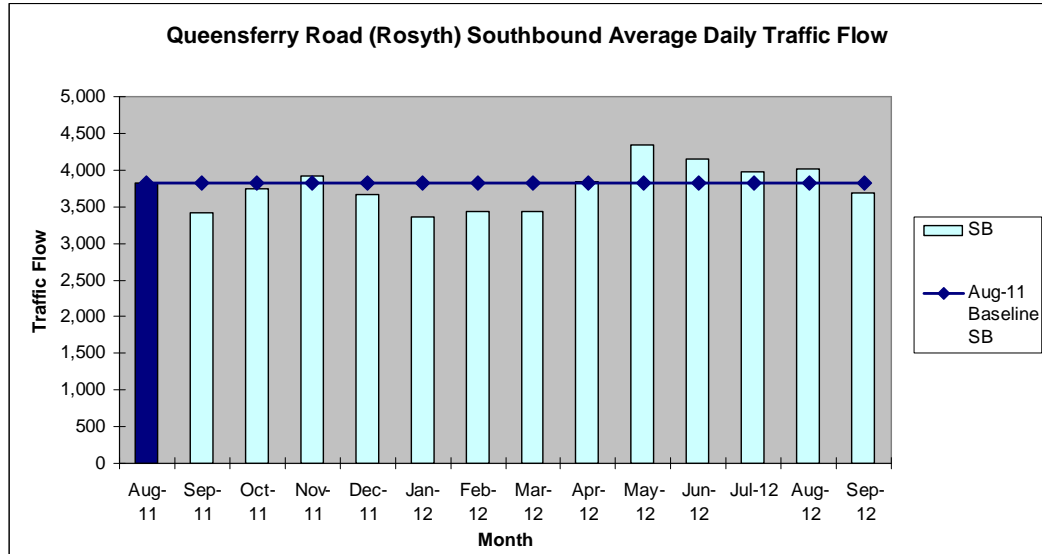


Figure 6-40 Monthly Southbound AADTs on the Queensferry Road (Rosyth)

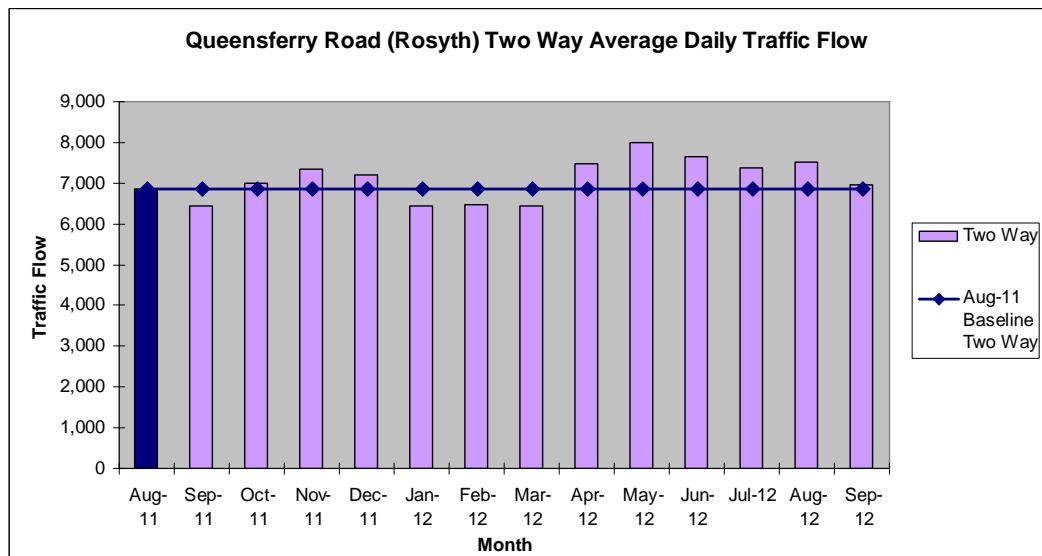


Figure 6-41 Monthly Two Way Daily Traffic Flows on the Queensferry Road (Rosyth)

6.3.2 Monthly Average AM Peak Traffic Flows

Table 6-16 Site: JTC00579 AM Peak Traffic Flows – August 2011 to September 2012

Counter	Location	Date	EB	WB	Two Way
JTC00579	Queensferry Road (Rosyth)	Aug-11	405	657	1,062
		Sep-11	435	632	1,068
		Oct-11	422	666	1,088
		Nov-11	346	697	1,043
		Dec-11	339	522	861
		Jan-12	287	573	860
		Feb-12	336	534	870
		Mar-12	300	540	840
		Apr-12	533	675	1,208
		May-12	526	795	1,321
		Jun-12	499	725	1,224
		Jul-12	443	652	1,095
		Aug-12	495	695	1,190
		Sep-12	483	640	1,124
		Annual Average			406

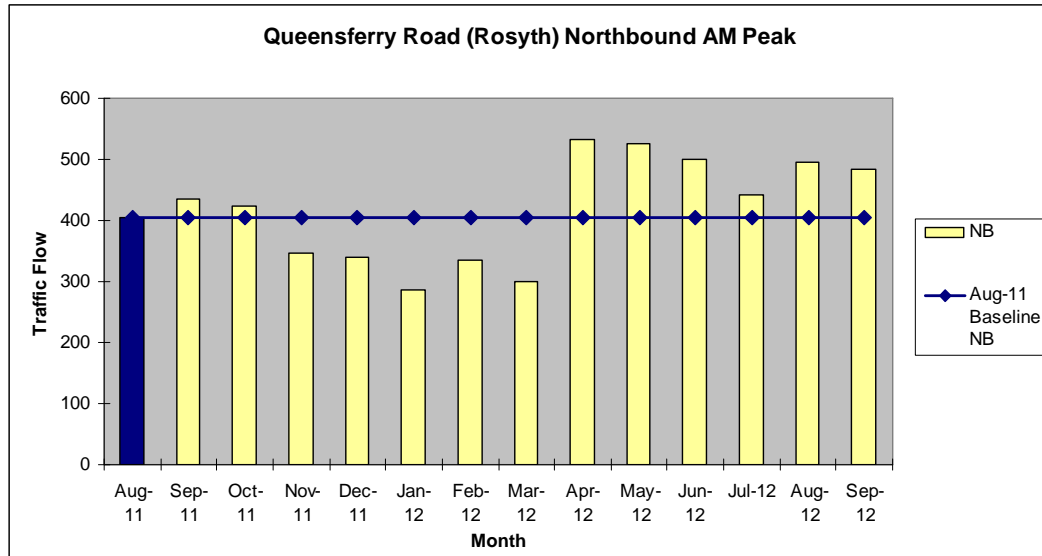


Figure 6-42 Monthly Eastbound AM Peak Flows on the Queensferry Road (Rosyth)

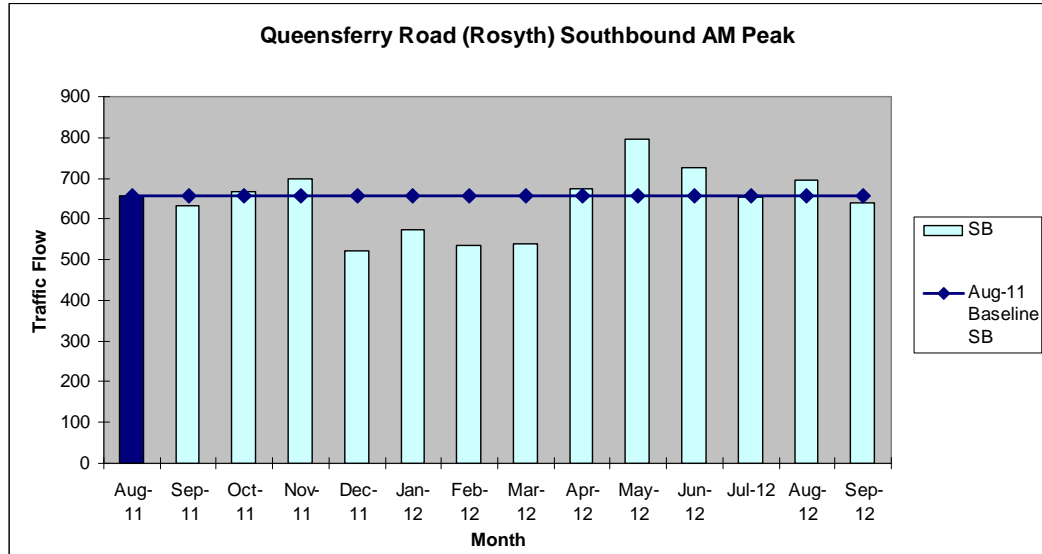


Figure 6-43 Monthly Westbound AM Peak Flows on the Queensferry Road (Rosyth)

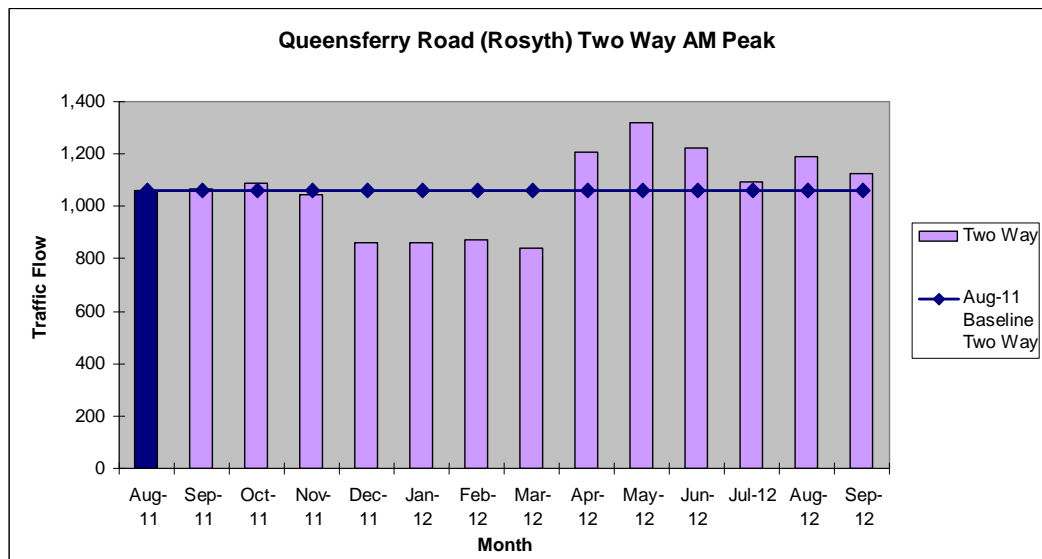


Figure 6-44 Monthly Two Way AM Peak Flows on the Queensferry Road (Rosyth)

6.3.3 Monthly Average PM Peak Traffic Flows

Table 6-17 Site: JTC00579 PM Peak Traffic Flows – August 2011 to September 2012

Counter	Location	Date	EB	WB	Two Way
JTC00579	Queensferry Road (Rosyth)	Aug-11	684	797	1,481
		Sep-11	702	705	1,408
		Oct-11	788	780	1,569
		Nov-11	838	833	1,671
		Dec-11	813	772	1,585
		Jan-12	708	674	1,383
		Feb-12	711	725	1,436
		Mar-12	710	717	1,426
		Apr-12	819	773	1,592
		May-12	830	865	1,695
		Jun-12	785	812	1,597
		Jul-12	790	805	1,594
		Aug-12	806	819	1,625
		Sep-12	741	762	1,503
		Annual Average			765

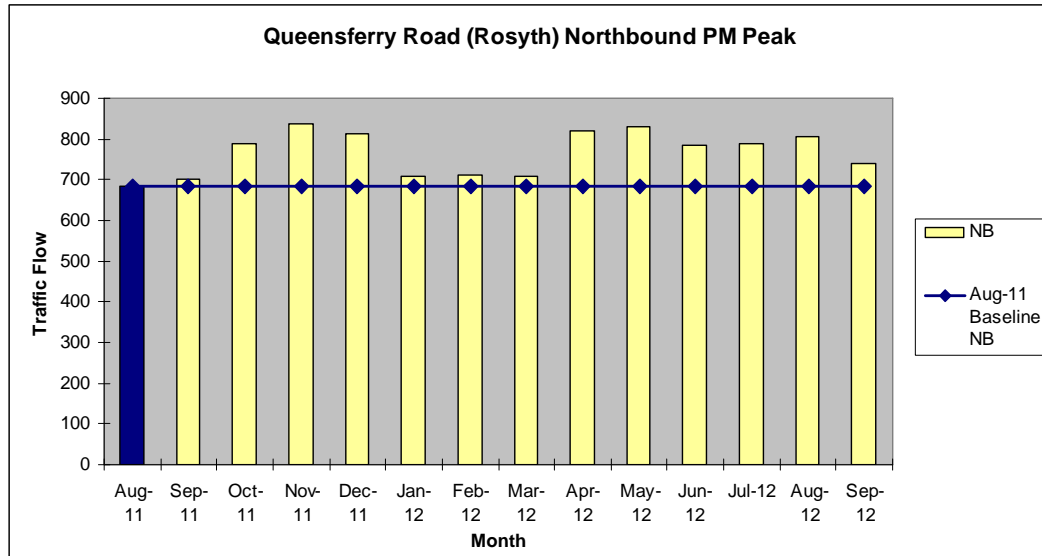


Figure 6-45 Monthly Eastbound PM Peak Flows on the Queensferry Road (Rosyth)

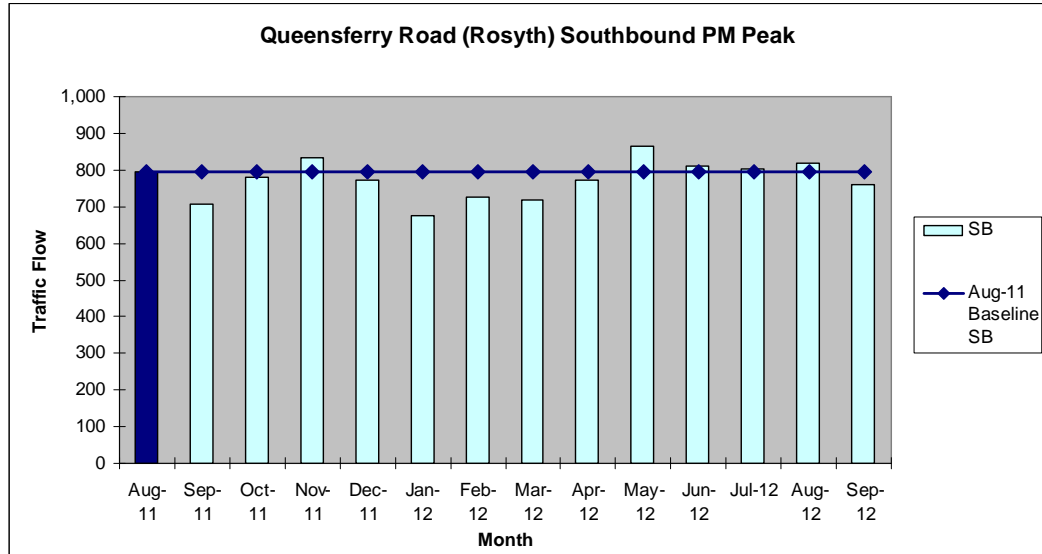


Figure 6-46 Monthly Westbound PM Peak Flows on the Queensferry Road (Rosyth)

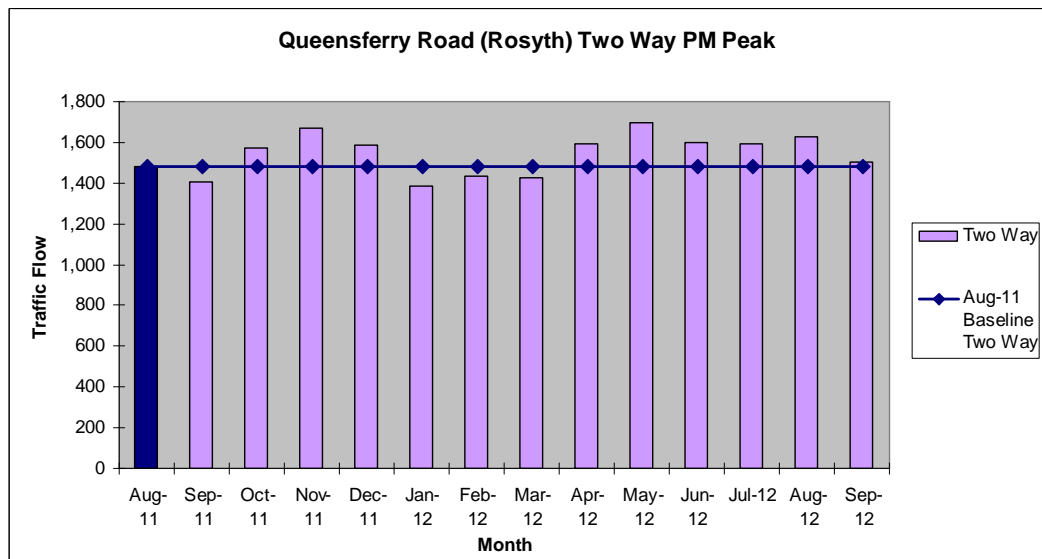


Figure 6-47 Monthly Two Way PM Peak Flows on the Queensferry Road (Rosyth)

6.3.4 Monthly Average HGV Flows

Table 6-18 Site: JTC00579 Annual HGV Traffic Flows – August 2011 to September 2012

Counter	Location	Date	EB	WB	Two Way
JTC00579	Queensferry Road (Rosyth)	Aug-11	172	185	356
		Sep-11	171	182	353
		Oct-11	168	181	349
		Nov-11	179	193	372
		Dec-11	167	176	343
		Jan-12	162	163	324
		Feb-12	168	183	351
		Mar-12	158	171	329
		Apr-12	167	179	347
		May-12	183	200	384
		Jun-12	177	193	370
		Jul-12	172	186	358
		Aug-12	182	193	375
		Sep-12	174	190	364
		Annual Average			170

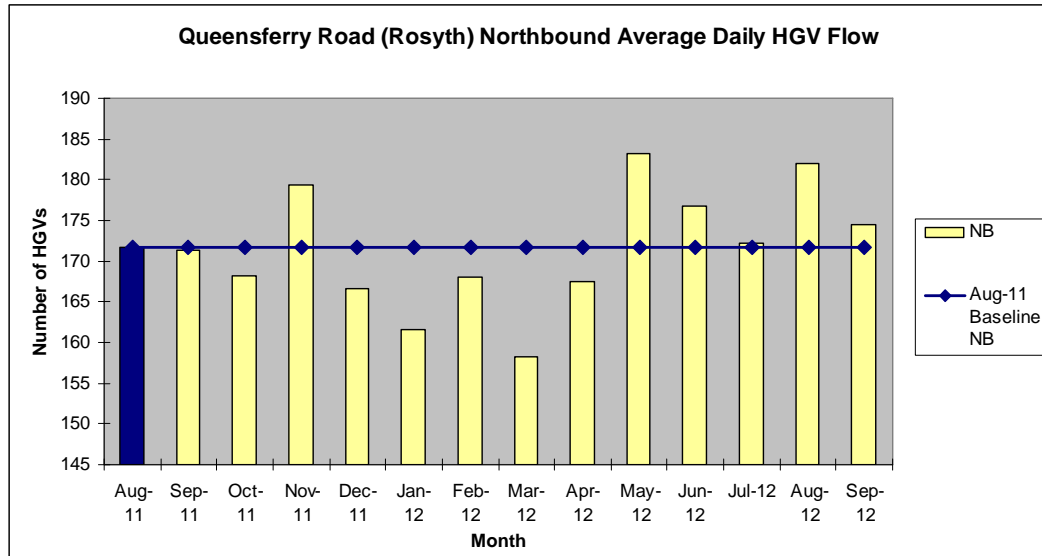


Figure 6-48 Monthly Eastbound HGV Flows on the Queensferry Road (Rosyth)

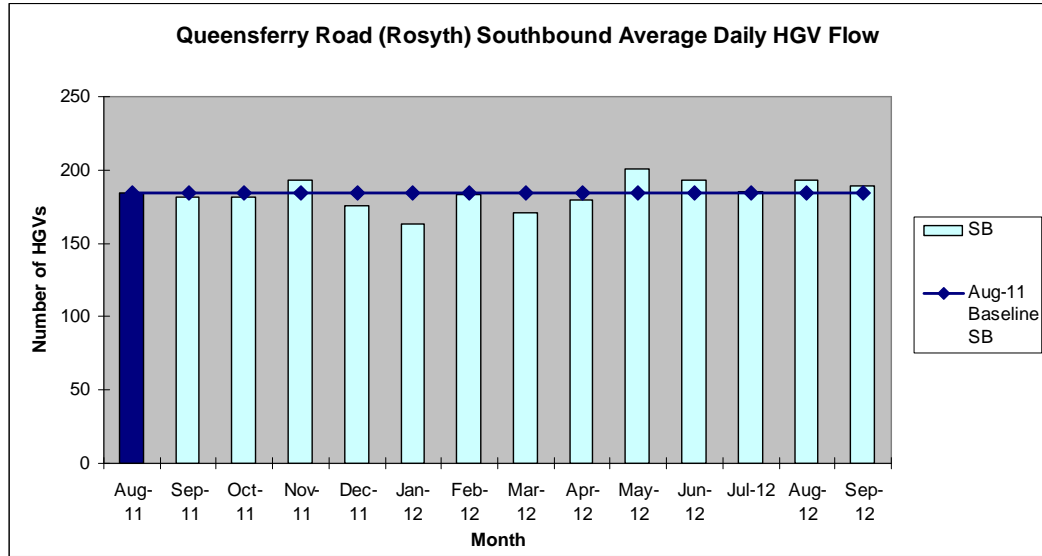


Figure 6-49 Monthly Westbound HGVS Flows on the Queensferry Road (Rosyth)

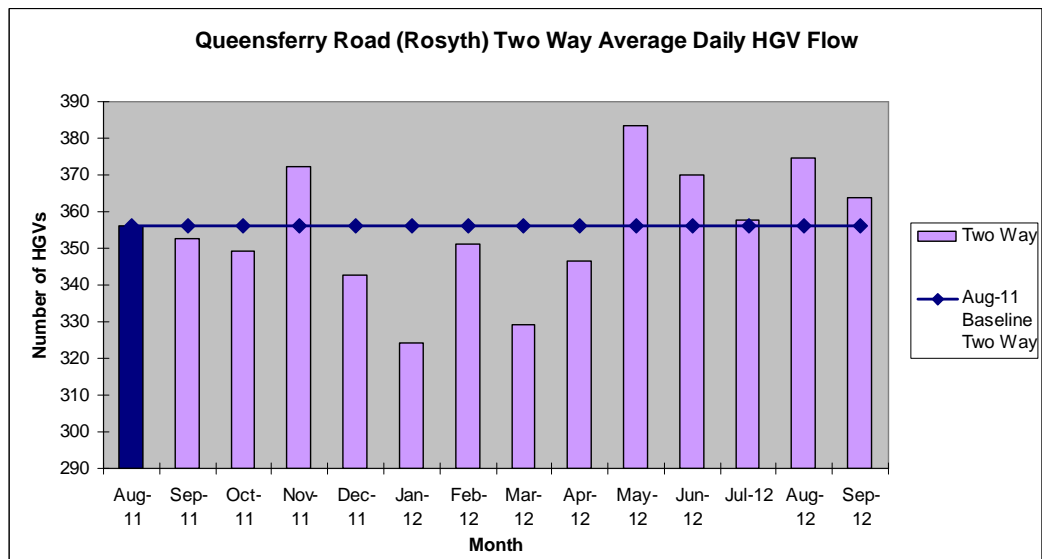


Figure 6-50 Monthly Two Way HGVS Flows on the Queensferry Road (Rosyth)

6.3.5 Monthly Average AM Peak HGV Flows

Table 6-19 Site: JTC00579 AM Peak HGV Traffic Flows – August 2011 to September 2012

Counter	Location	Date	EB	WB	Two Way
JTC00579	Queensferry Road (Rosyth)	Aug-11	31	39	70
		Sep-11	33	39	73
		Oct-11	30	38	69
		Nov-11	25	38	63
		Dec-11	21	33	55
		Jan-12	22	34	56
		Feb-12	25	34	59
		Mar-12	21	32	53
		Apr-12	31	37	67
		May-12	35	43	78
		Jun-12	34	41	75
		Jul-12	30	38	67
		Aug-12	34	40	74
		Sep-12	34	39	73
		Annual Average			28

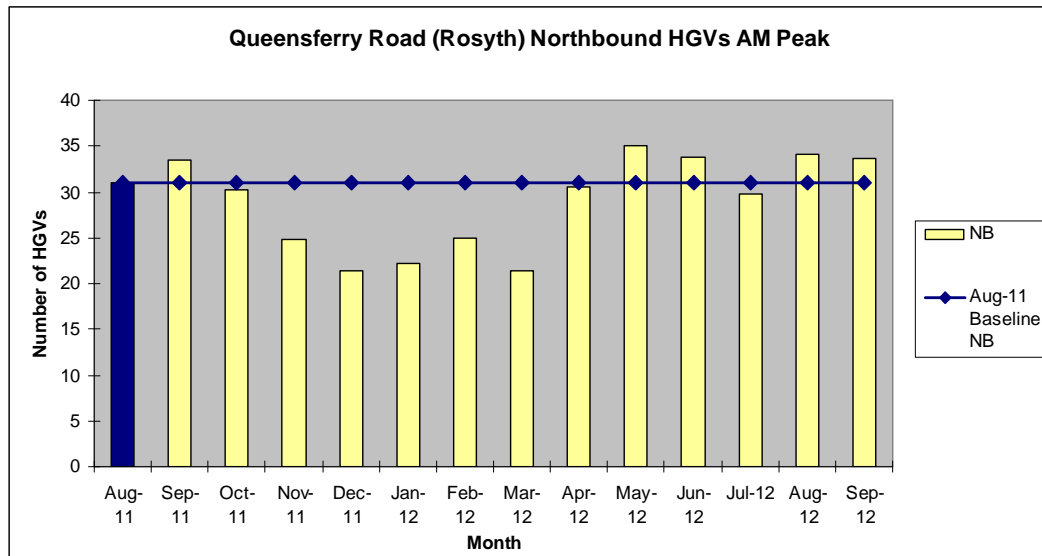


Figure 6-51 Monthly Eastbound AM Peak HGV Flows on the Queensferry Road (Rosyth)

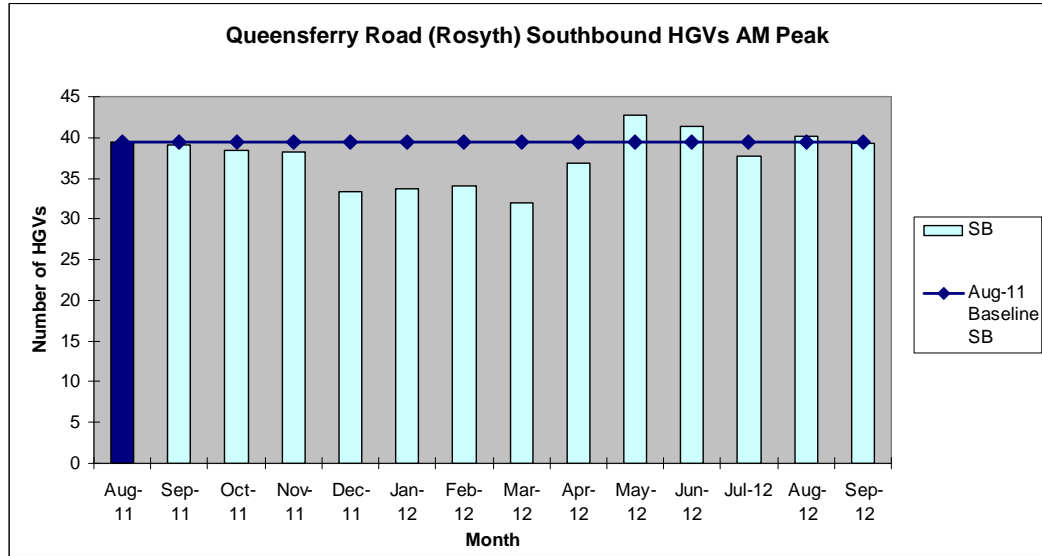


Figure 6-52 Monthly Westbound AM Peak HGV Flows on the Queensferry Road (Rosyth)

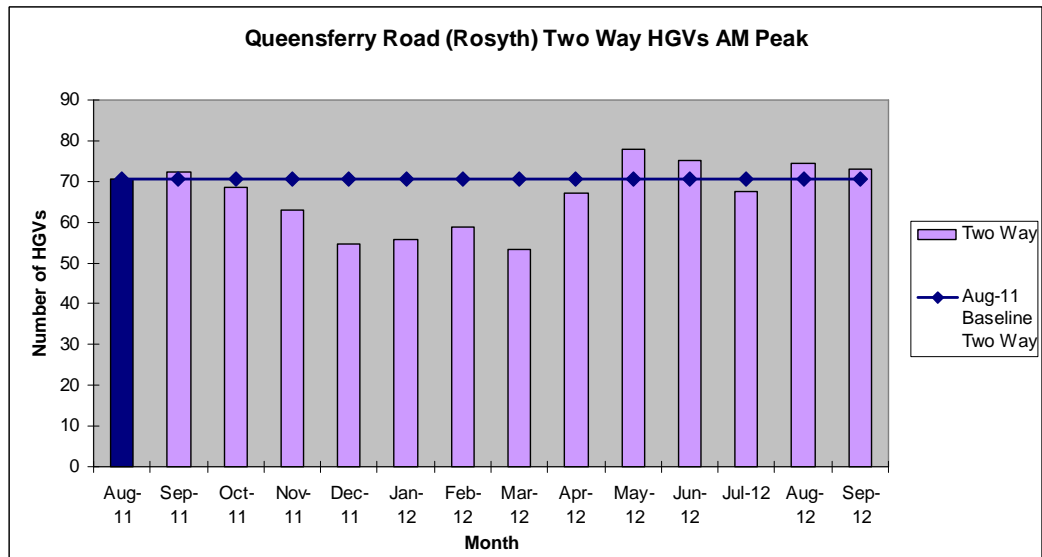


Figure 6-53 Monthly Two Way AM Peak HGV Flows on the Queensferry Road (Rosyth)

6.3.6 Monthly Average PM Peak HGV Flows

Table 6-20 Site: JTC00579 PM Peak HGV Traffic Flows – August 2011 to September 2012

Counter	Location	Date	EB	WB	Two Way
JTC00579	Queensferry Road (Rosyth)	Aug-11	41	37	78
		Sep-11	42	37	79
		Oct-11	40	36	76
		Nov-11	37	44	81
		Dec-11	37	40	77
		Jan-12	34	36	69
		Feb-12	37	42	78
		Mar-12	35	39	74
		Apr-12	40	36	76
		May-12	44	38	83
		Jun-12	41	36	78
		Jul-12	42	37	79
		Aug-12	44	38	81
		Sep-12	41	37	79
		Annual Average			39

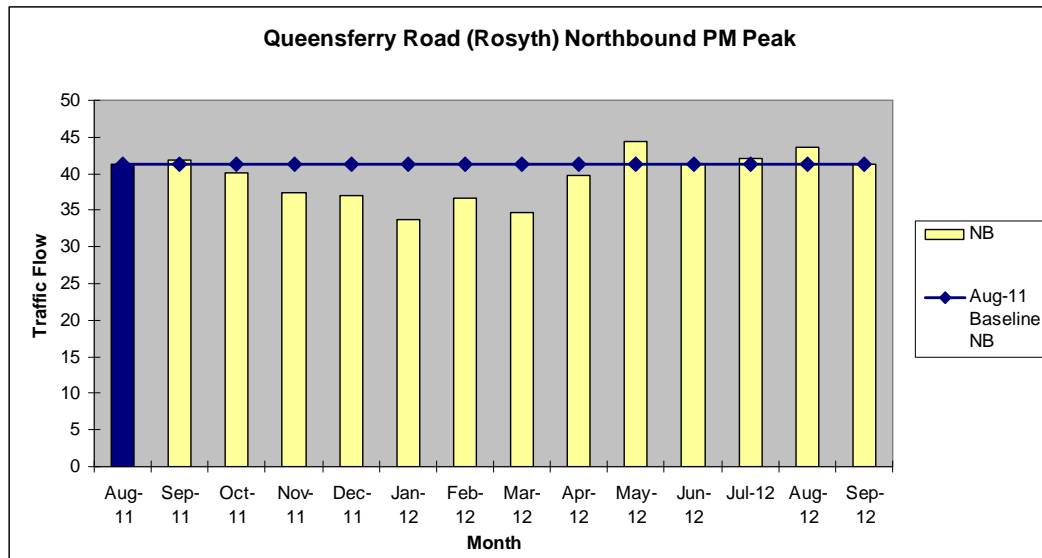


Figure 6-54 Monthly Eastbound PM HGV Peak Flows on the Queensferry Road (Rosyth)

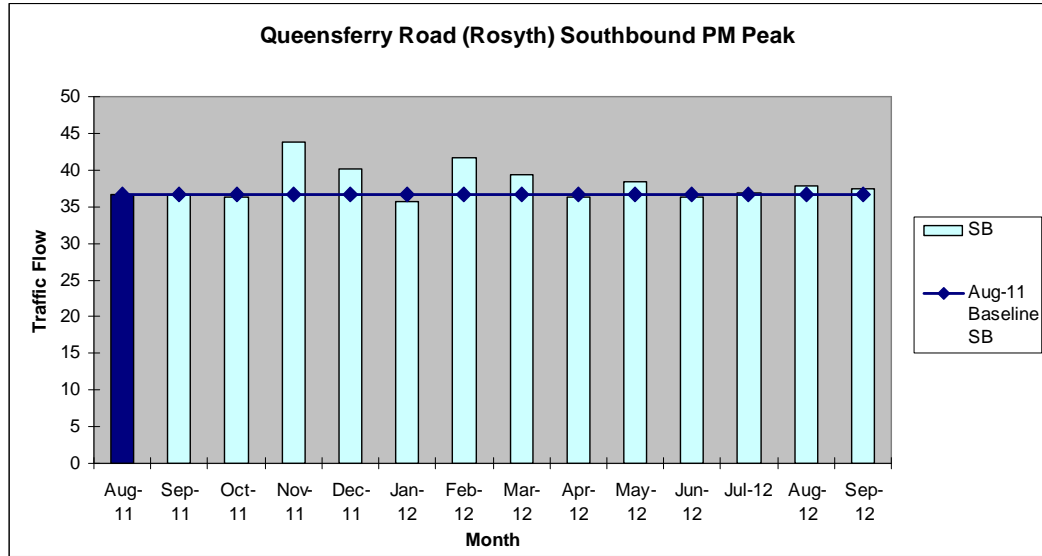


Figure 6-55 Monthly Westbound PM Peak HGV Flows on the Queensferry Road (Rosyth)

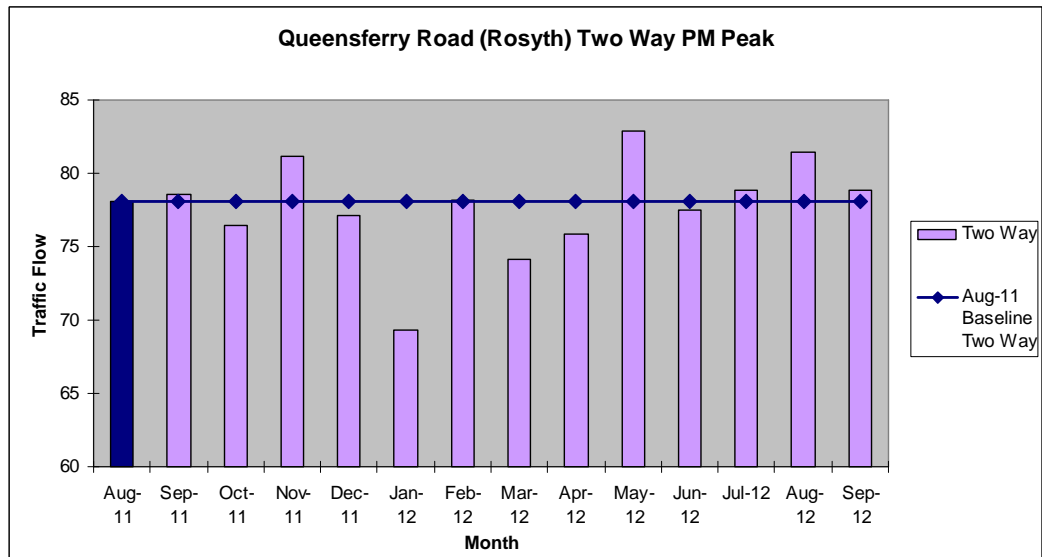


Figure 6-56 Monthly Two Way PM Peak HGV Flows on the Queensferry Road (Rosyth)

6.3.7 Monthly Average All Vehicles Traffic Speeds

Table 6-21 Site: JTC00579 Average Monthly Traffic Speeds (KPH) (All Vehicles) – August 2011 to September 2012

Counter	Location	Date	EB	WB
JTC00579	Queensferry Road (Rosyth)	Aug-11	33	38
		Sep-11	34	39
		Oct-11	33	39
		Nov-11	34	38
		Dec-11	34	38
		Jan-12	34	37
		Feb-12	31	33
		Mar-12	34	38
		Apr-12	36	39
		May-12	37	40
		Jun-12	36	40
		Jul-12	37	41
		Aug-12	37	41
Sep-12	37	41		

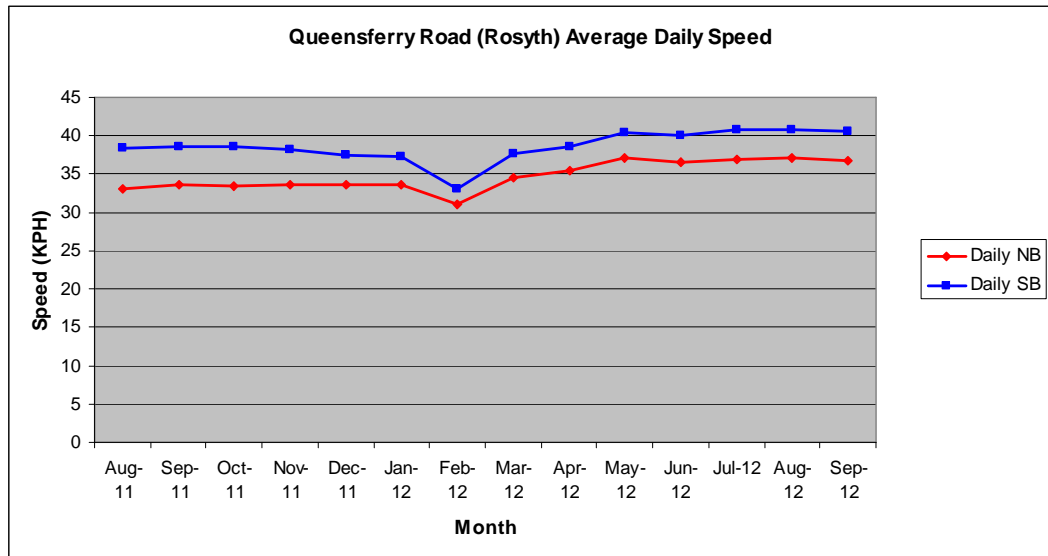


Figure 6-57 Average Monthly Traffic Speeds (KPH) on the Queensferry Road (Rosyth)

6.4 Traffic Counter JTC00580 – Castle Road (Rosyth)

6.4.1 Monthly Average Traffic Flows

Table 3-22 Site: JTC00580 Annual Traffic Flows – August 2011 to September 2012

Counter	Location	Date	NB	SB	Two Way
JTC00580	Castle Road (Rosyth)	Aug-11	7,114	3,103	10,217
		Sep-11	7,392	2,966	10,358
		Oct-11	6,996	2,825	9,821
		Nov-11	7,542	3,108	10,650
		Dec-11	6,736	2,730	9,467
		Jan-12	6,165	2,417	8,582
		Feb-12	7,448	2,986	10,434
		Mar-12	7,558	3,011	10,569
		Apr-12	6,977	2,833	9,810
		May-12	7,646	3,092	10,739
		Jun-12	7,252	2,951	10,203
		Jul-12	6,913	2,779	9,692
		Aug-12	7,618	3,079	10,698
		Sep-12	7,563	3,046	10,609
		Annual Average			7,145

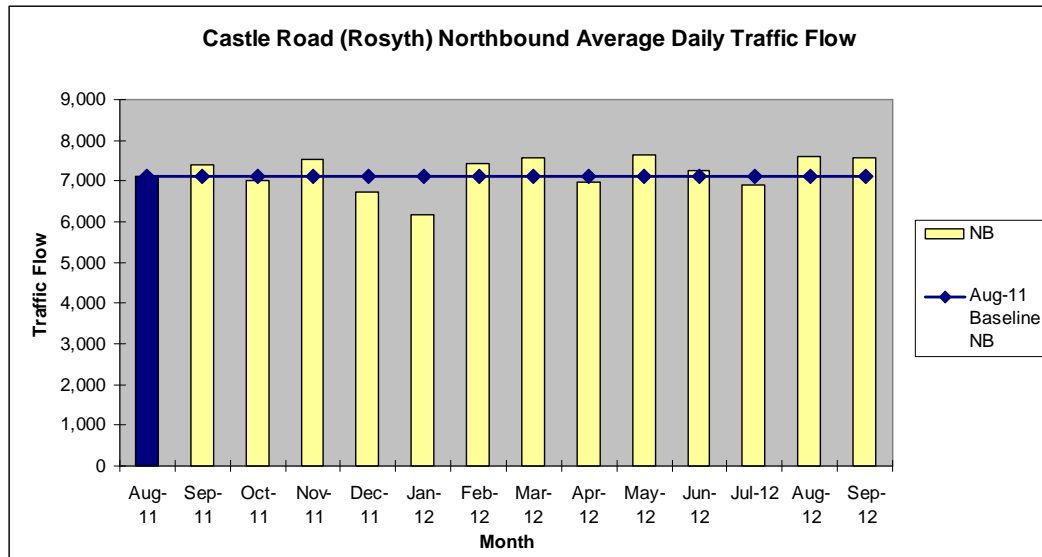


Figure 6-58 Monthly Eastbound AADTs on the Castle Road (Rosyth)

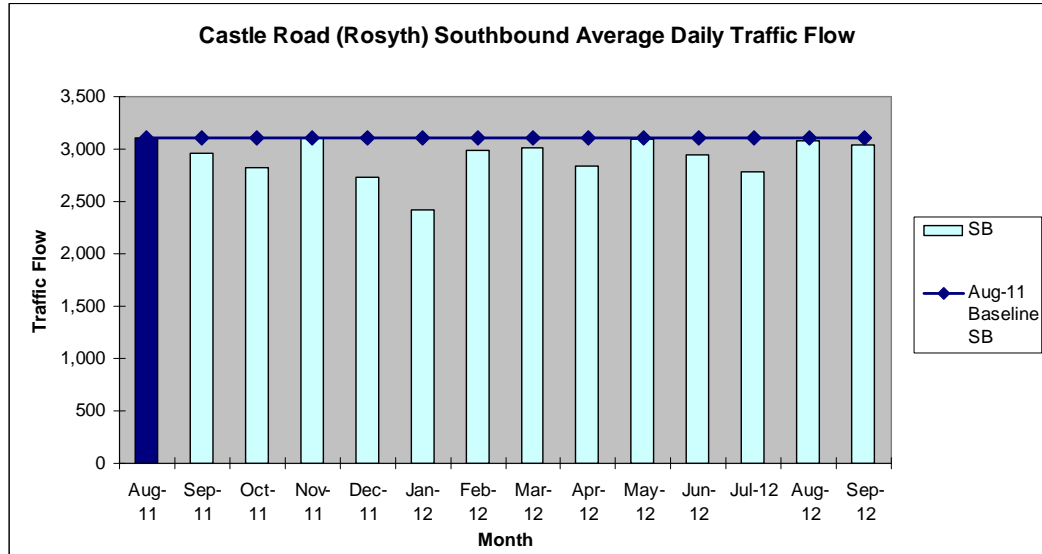


Figure 6-59 Monthly Westbound AADTs on the Castle Road (Rosyth)

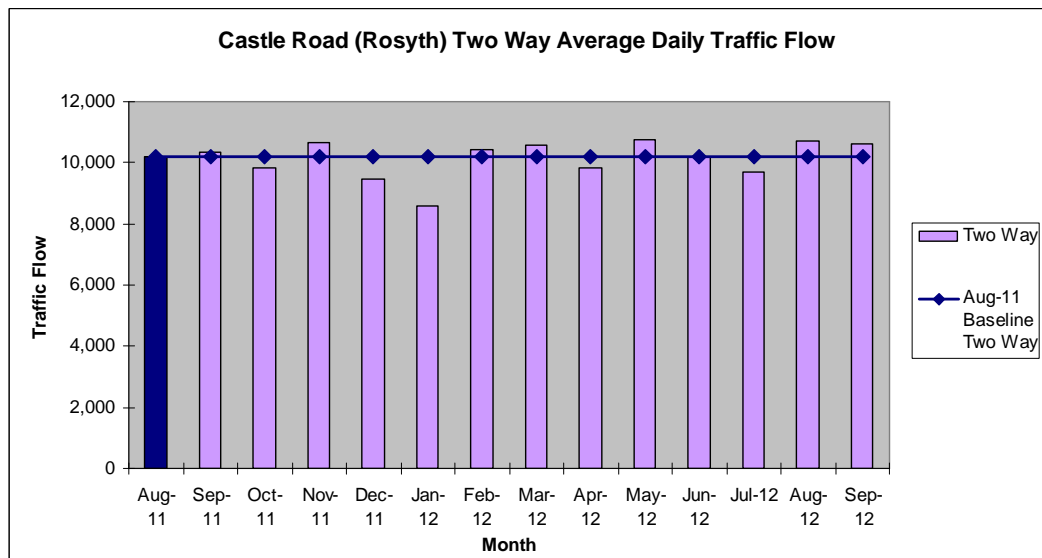


Figure 6-60 Monthly Two Way Daily Traffic Flows on the Castle Road (Rosyth)

6.4.2 Monthly Average AM Peak Traffic Flows

Table 6-23 Site: JTC00580 AM Peak Traffic Flows – August 2011 to September 2012

Counter	Location	Date	EB	WB	Two Way
JTC00580	Castle Road (Rosyth)	Aug-11	1,434	535	1,970
		Sep-11	1,561	531	2,091
		Oct-11	1,405	467	1,872
		Nov-11	1,620	447	2,066
		Dec-11	1,231	364	1,595
		Jan-12	1,263	338	1,601
		Feb-12	1,591	416	2,007
		Mar-12	1,561	452	2,012
		Apr-12	1,351	471	1,822
		May-12	1,565	533	2,098
		Jun-12	1,399	499	1,899
		Jul-12	1,244	427	1,670
		Aug-12	1,479	507	1,986
		Sep-12	1,506	518	2,024
		Annual Average			1,435

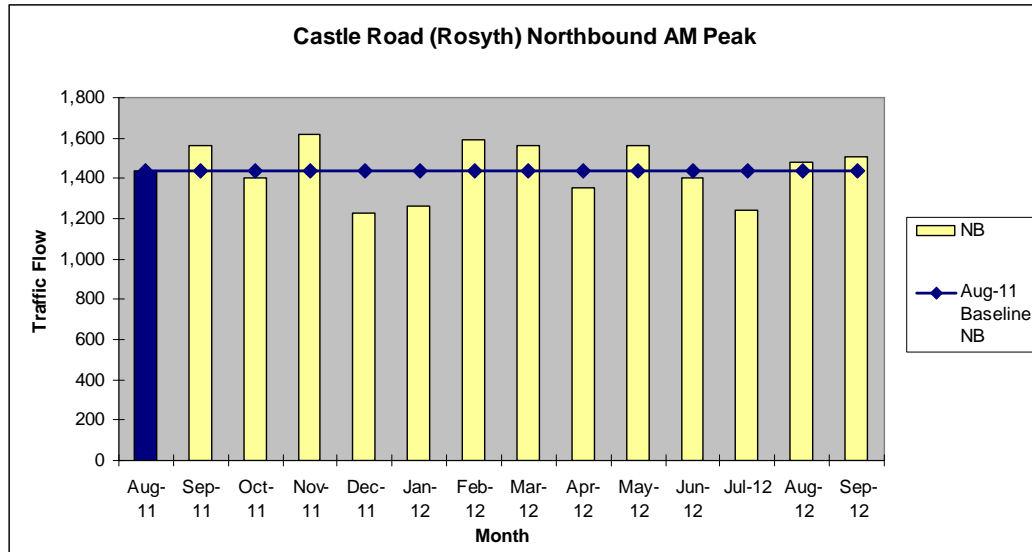


Figure 6-61 Monthly Eastbound AM Peak Flows on the Castle Road (Rosyth)

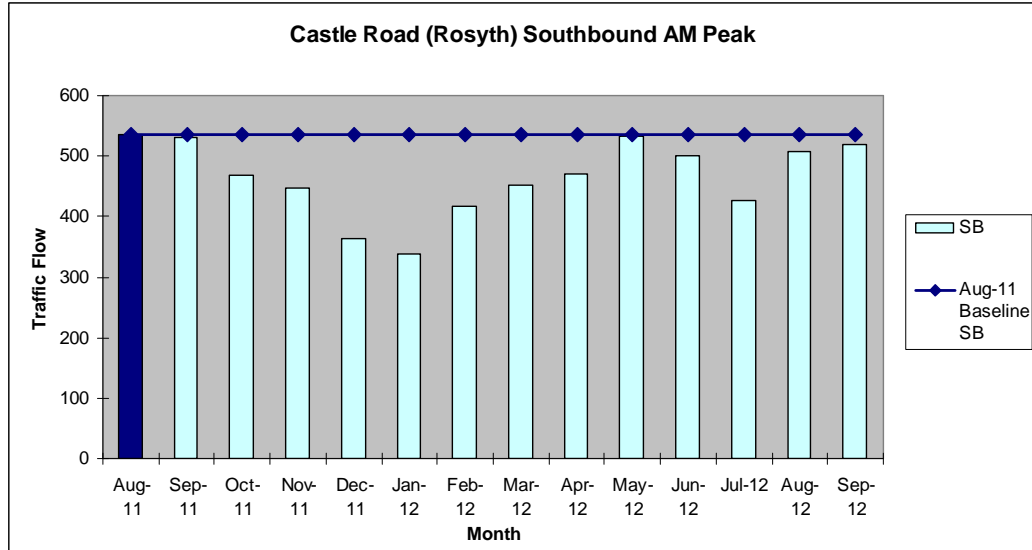


Figure 6-62 Monthly Westbound AM Peak Flows on the Castle Road (Rosyth)

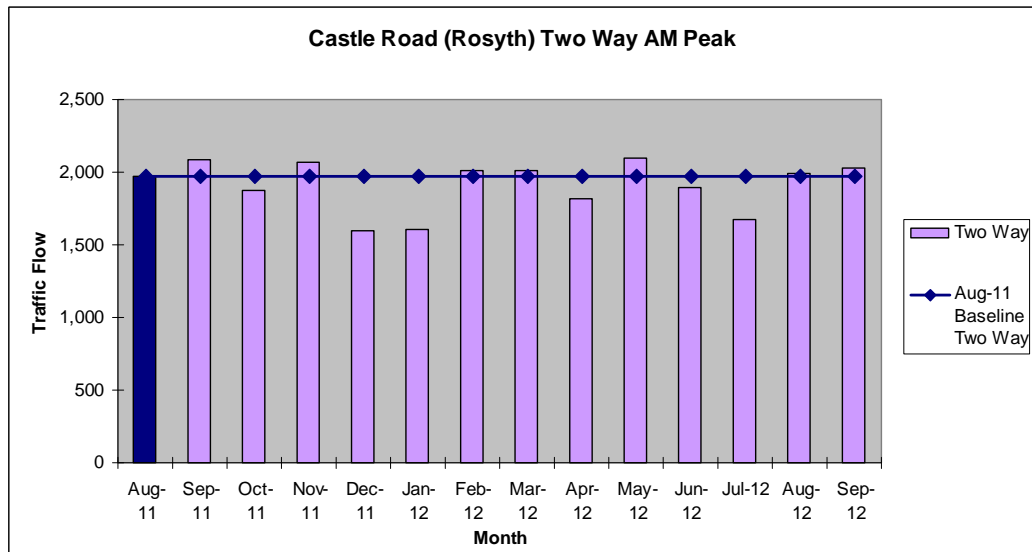


Figure 6-63 Monthly Two Way AM Peak Flows on the Castle Road (Rosyth)

6.4.3 Monthly Average PM Peak Traffic Flows

Table 6-24 Site: JTC00580 PM Peak Traffic Flows – August 2011 to September 2012

Counter	Location	Date	NB	SB	Two Way
JTC00580	Castle Road (Rosyth)	Aug-11	1,562	846	2,408
		Sep-11	1,643	836	2,479
		Oct-11	1,600	805	2,405
		Nov-11	1,704	869	2,573
		Dec-11	1,500	708	2,209
		Jan-12	1,342	653	1,995
		Feb-12	1,670	859	2,529
		Mar-12	1,683	842	2,525
		Apr-12	1,542	780	2,322
		May-12	1,681	863	2,543
		Jun-12	1,606	803	2,409
		Jul-12	1,556	794	2,350
		Aug-12	1,707	859	2,567
		Sep-12	1,695	849	2,543
		Annual Average			1,591

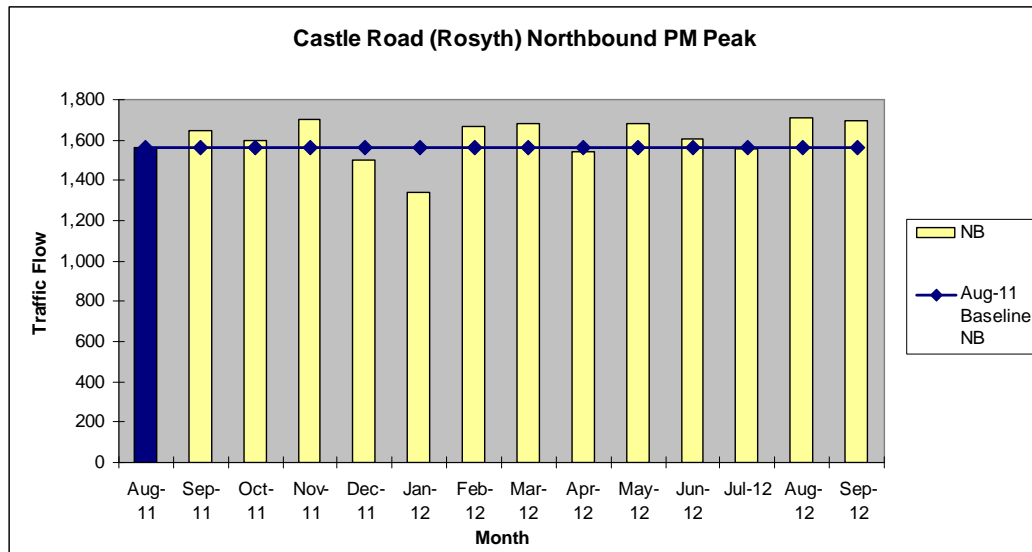


Figure 6-64 Monthly Northbound PM Peak Flows on the Castle Road (Rosyth)

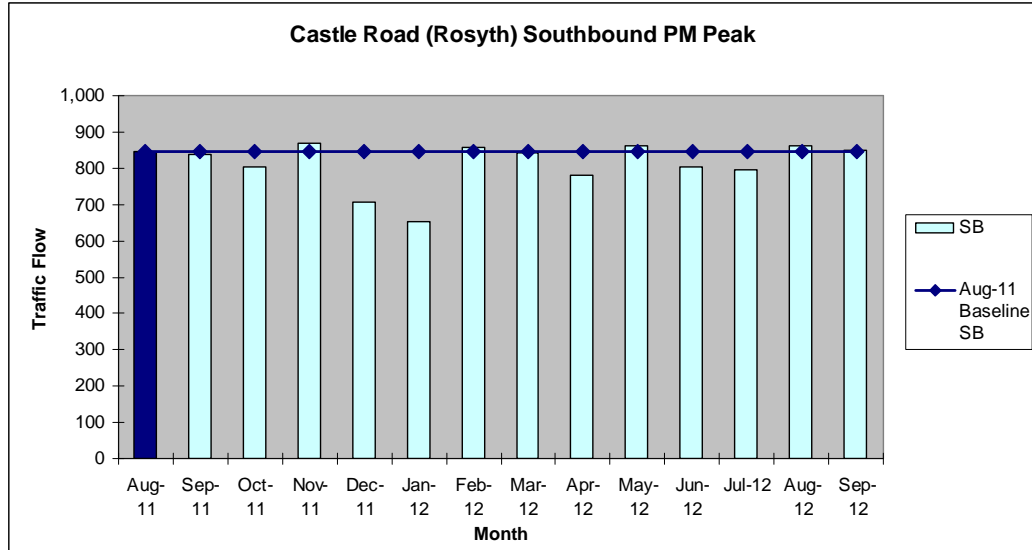


Figure 6-65 Monthly Southbound PM Peak Flows on the Castle Road (Rosyth)

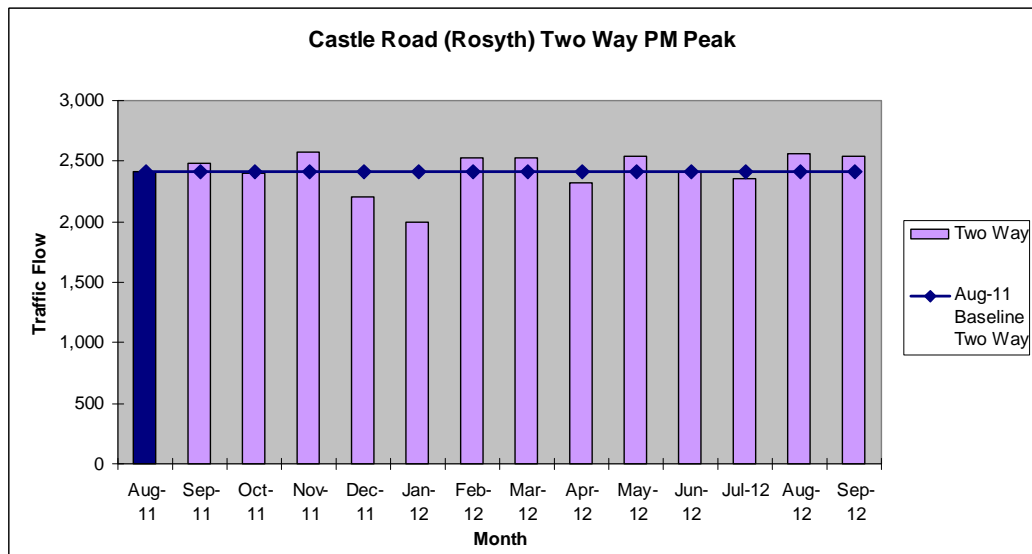


Figure 6-66 Monthly Two Way PM Peak Flows on the Castle Road (Rosyth)

6.4.4 Monthly Average HGV Flows

Table 6-25 Site: JTC00580 Annual HGV Traffic Flows – August 2011 to September 2012

Counter	Location	Date	NB	SB	Two Way
JTC00580	Castle Road (Rosyth)	Aug-11	93	16	109
		Sep-11	109	21	130
		Oct-11	103	23	126
		Nov-11	94	26	121
		Dec-11	94	21	116
		Jan-12	81	17	98
		Feb-12	100	24	123
		Mar-12	103	24	126
		Apr-12	94	19	113
		May-12	109	27	136
		Jun-12	101	22	123
		Jul-12	98	19	117
		Aug-12	103	26	129
		Sep-12	112	27	139
		Annual Average			98

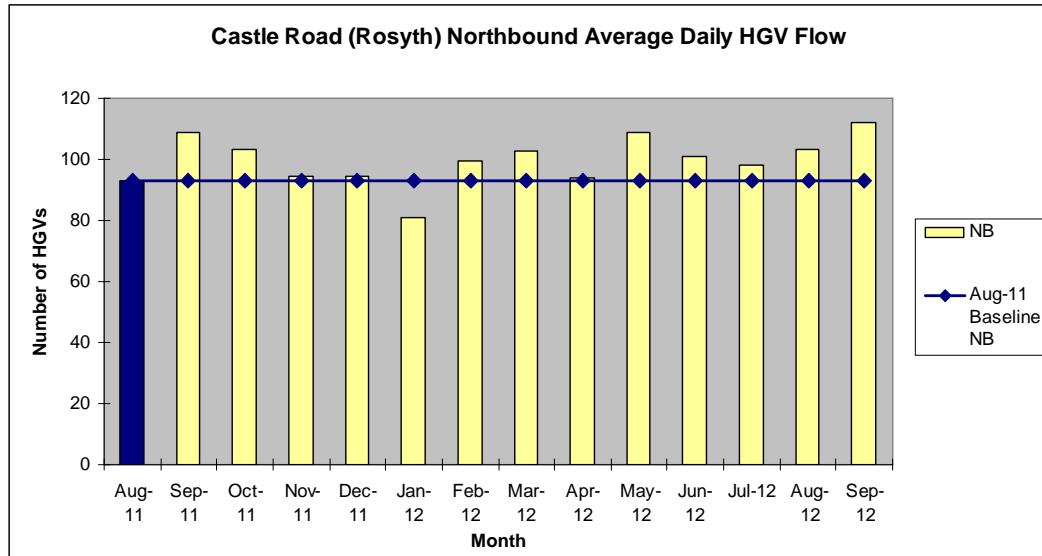


Figure 6-67 Monthly Northbound HGV Flows on the Castle Road (Rosyth)

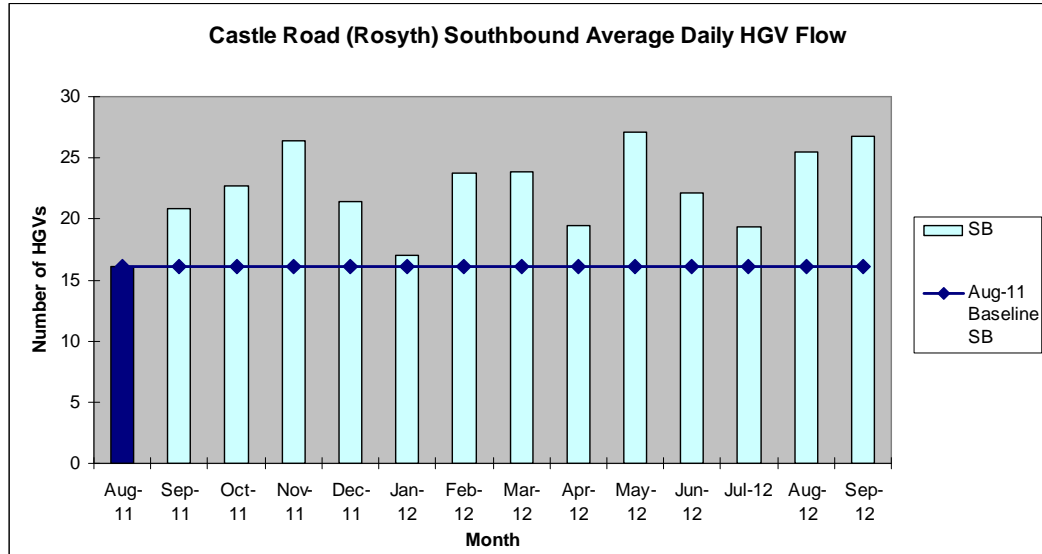


Figure 6-68 Monthly Southbound HGV Flows on the Castle Road (Rosyth)

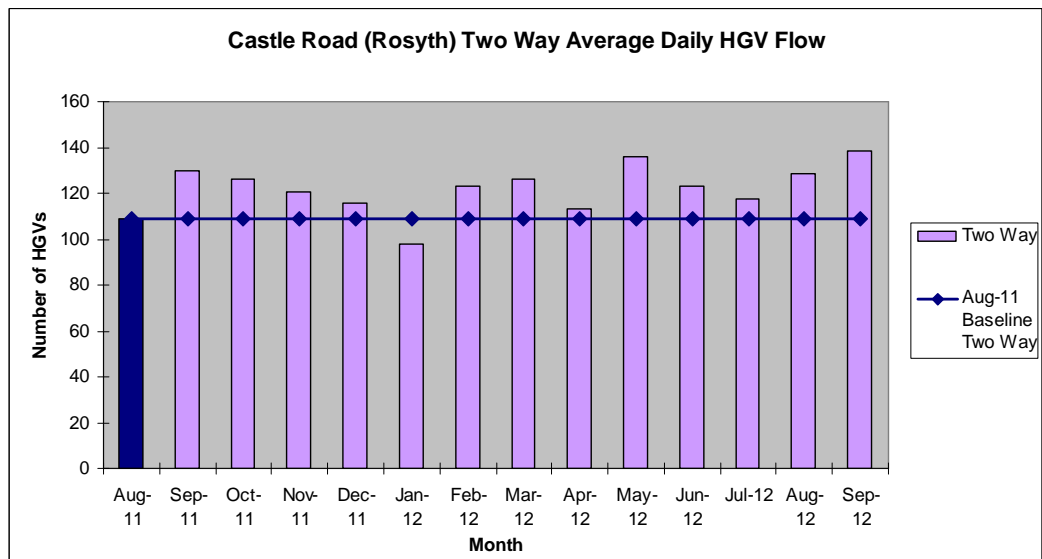


Figure 6-69 Monthly Two Way HGV Flows on the Castle Road (Rosyth)

6.4.5 Monthly Average AM Peak HGV Flows

Table 6-26 Site: JTC00580 AM Peak HGV Traffic Flows – August 2011 to September 2012

Counter	Location	Date	NB	SB	Two Way
JTC00580	Castle Road (Rosyth)	Aug-11	24	4	28
		Sep-11	28	5	32
		Oct-11	23	6	29
		Nov-11	21	7	27
		Dec-11	19	5	24
		Jan-12	18	4	22
		Feb-12	22	5	27
		Mar-12	23	5	28
		Apr-12	22	5	27
		May-12	26	6	32
		Jun-12	24	6	29
		Jul-12	22	5	26
		Aug-12	24	7	31
		Sep-12	27	6	33
		Annual Average			23

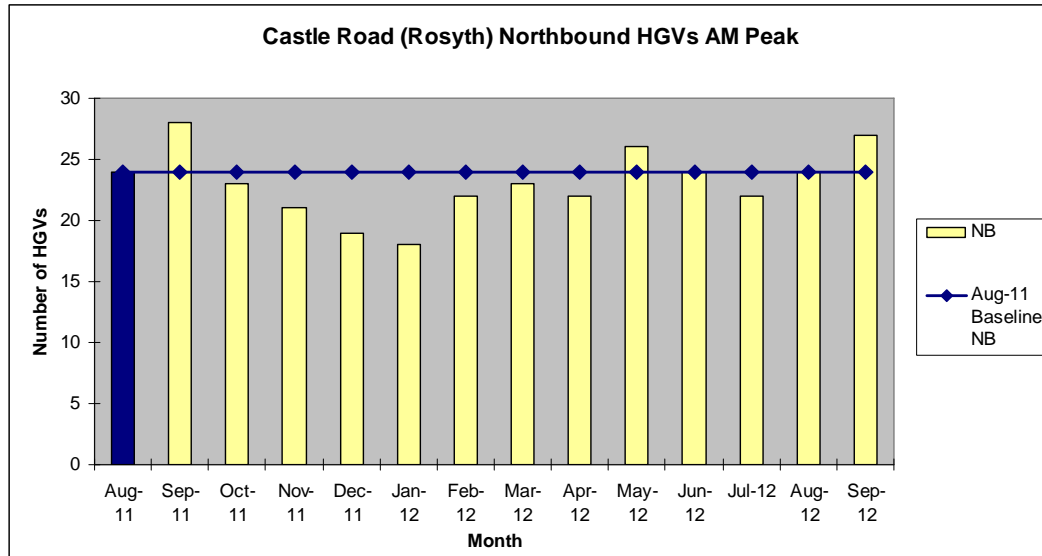


Figure 6-70 Monthly Northbound AM Peak HGV Flows on the Castle Road (Rosyth)

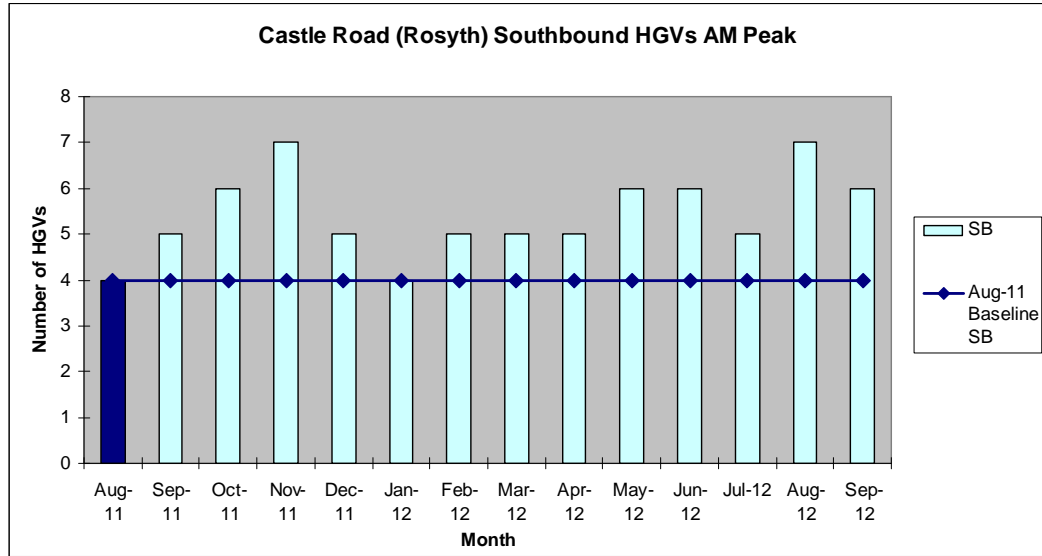


Figure 6-71 Monthly Southbound AM Peak HGV Flows on the Castle Road (Rosyth)

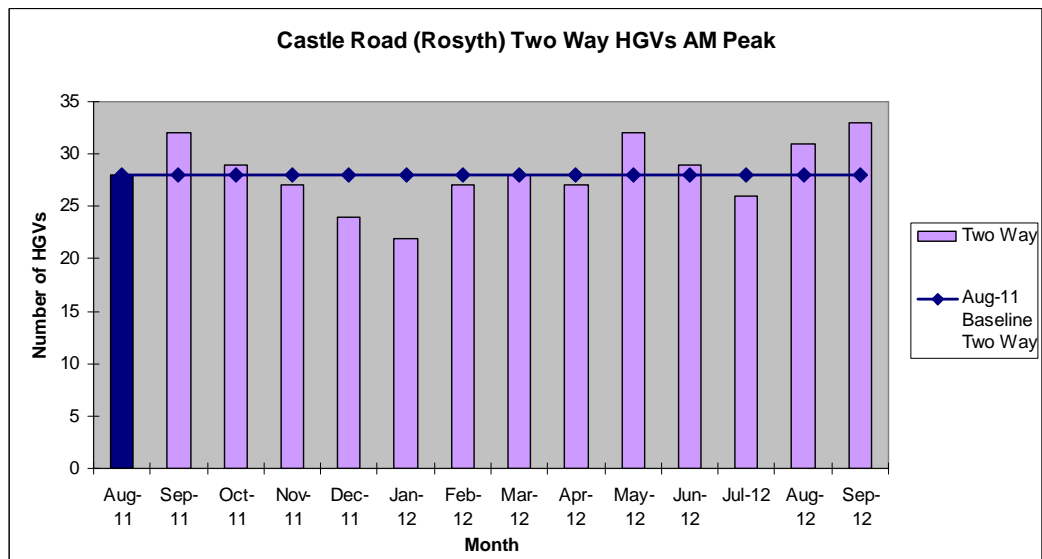


Figure 6-72 Monthly Two Way AM Peak HGV Flows on the Castle Road (Rosyth)

6.4.6 Monthly Average PM Peak HGV Flows

Table 6-27 Site: JTC00580 PM Peak HGV Traffic Flows – August 2011 to September 2012

Counter	Location	Date	NB	SB	Two Way
JTC00580	Castle Road (Rosyth)	Aug-11	16	5	21
		Sep-11	20	6	26
		Oct-11	19	6	25
		Nov-11	21	9	30
		Dec-11	19	6	25
		Jan-12	17	6	22
		Feb-12	21	9	30
		Mar-12	21	9	30
		Apr-12	16	6	22
		May-12	19	8	27
		Jun-12	18	6	24
		Jul-12	17	6	23
		Aug-12	20	7	28
		Sep-12	21	7	28
		Annual Average			19

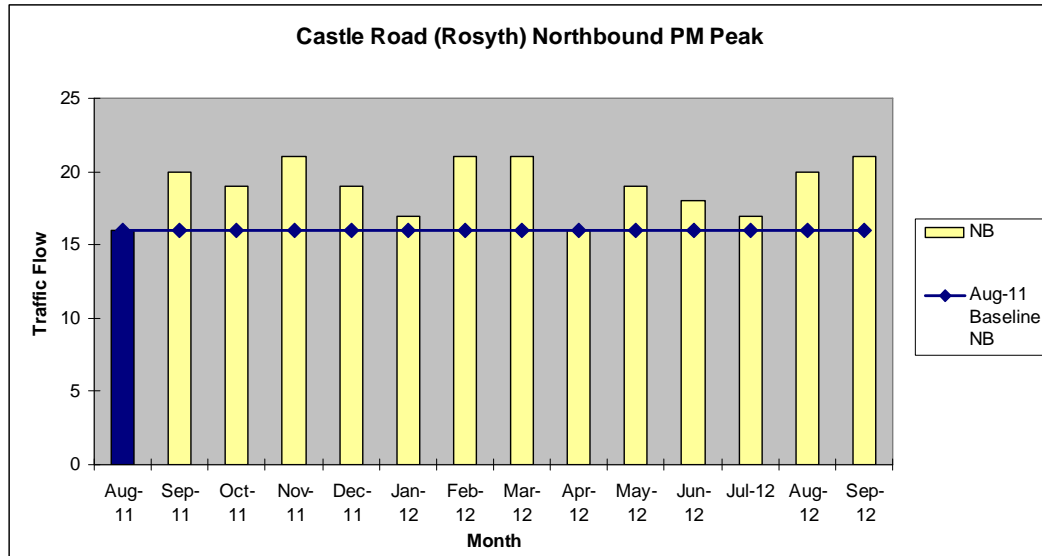


Figure 6-73 Monthly Northbound PM HGV Peak Flows on the Castle Road (Rosyth)

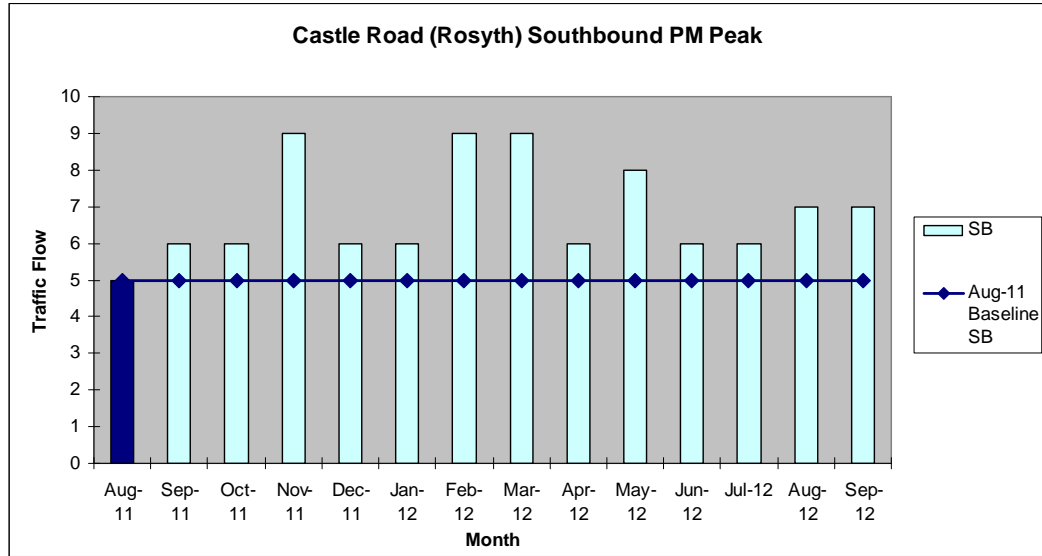


Figure 6-74 Monthly Southbound PM Peak HGV Flows on the Castle Road (Rosyth)

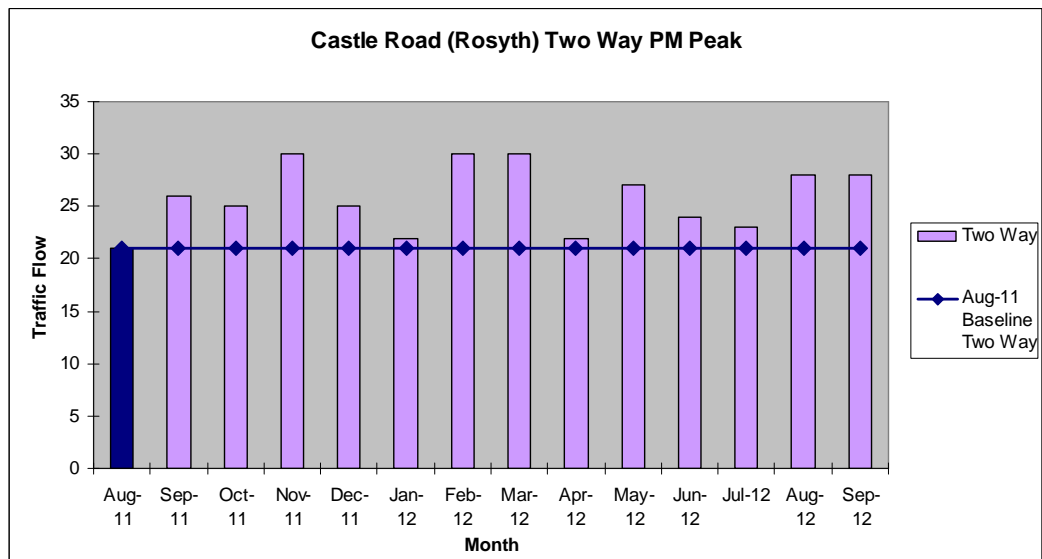


Figure 6-75 Monthly Two Way PM Peak HGV Flows on the Castle Road (Rosyth)

6.4.7 Monthly Average All Vehicles Traffic Speeds

Table 6-28 Site: JTC00580 Average Monthly Traffic Speeds (KPH) (All Vehicles) – August 2011 to September 2012

Counter	Location	Date	NB	SB
JTC00580	Castle Road (Rosyth)	Aug-11	46	48
		Sep-11	46	48
		Oct-11	46	48
		Nov-11	46	48
		Dec-11	46	48
		Jan-12	46	48
		Feb-12	46	47
		Mar-12	47	48
		Apr-12	46	48
		May-12	47	48
		Jun-12	47	49
		Jul-12	47	49
		Aug-12	47	49
Sep-12	47	48		

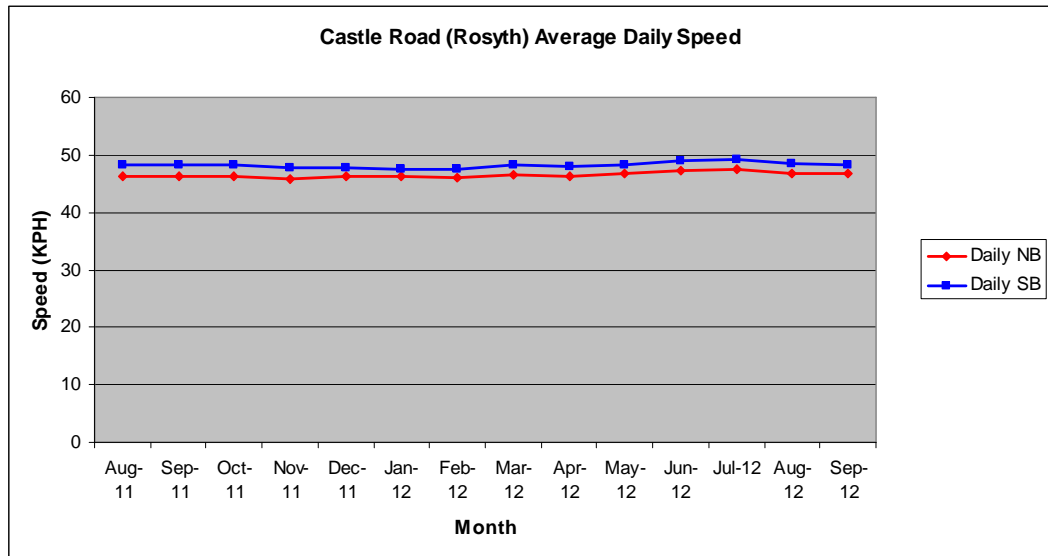


Figure 6-76 Average Monthly Traffic Speeds (KPH) on the Castle Road (Rosyth)

6.5 Traffic Counter JTC00585 – Sanderling Way (Dunfermline)

6.5.1 Monthly Average Traffic Flows

Table 3-29 Site: JTC00585 Annual Traffic Flows – August 2011 to September 2012

Counter	Location	Date	NB	SB	Two Way
JTC00585	Sanderling Way (Dunfermline)	Aug-11	7,137	7,296	14,434
		Sep-11	6,617	6,868	13,485
		Oct-11	6,559	6,853	13,413
		Nov-11	6,846	7,043	13,889
		Dec-11	6,503	6,642	13,145
		Jan-12	6,077	6,286	12,364
		Feb-12	6,833	7,083	13,916
		Mar-12	6,838	7,053	13,890
		Apr-12	6,845	7,222	14,067
		May-12	6,712	6,937	13,649
		Jun-12	6,920	7,136	14,057
		Jul-12	6,690	6,883	13,573
		Aug-12	7,079	7,328	14,407
		Sep-12	6,762	6,940	13,702
		Annual Average			6,715

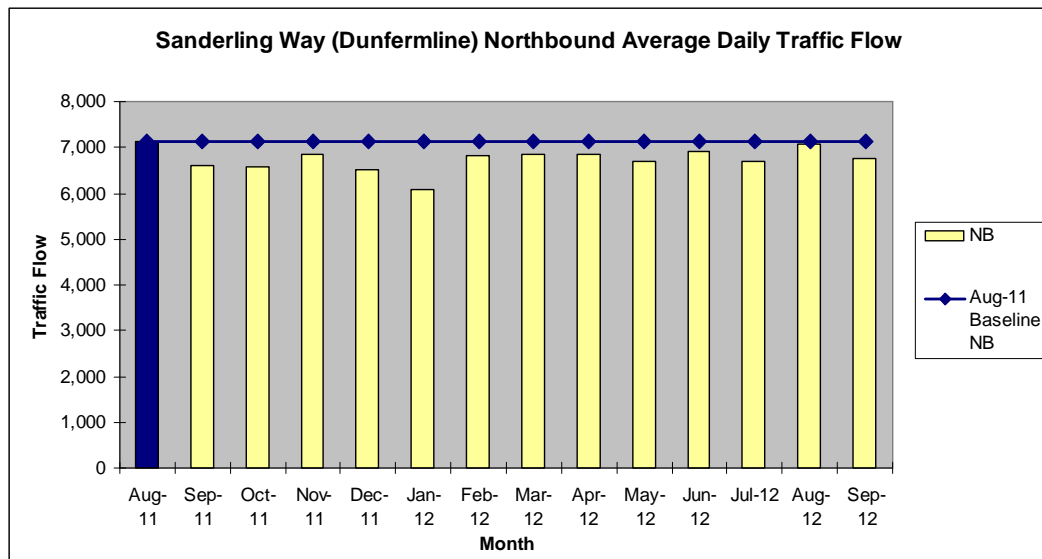


Figure 6-77 Monthly Northbound AADTs on the Sanderling Way (Dunfermline)

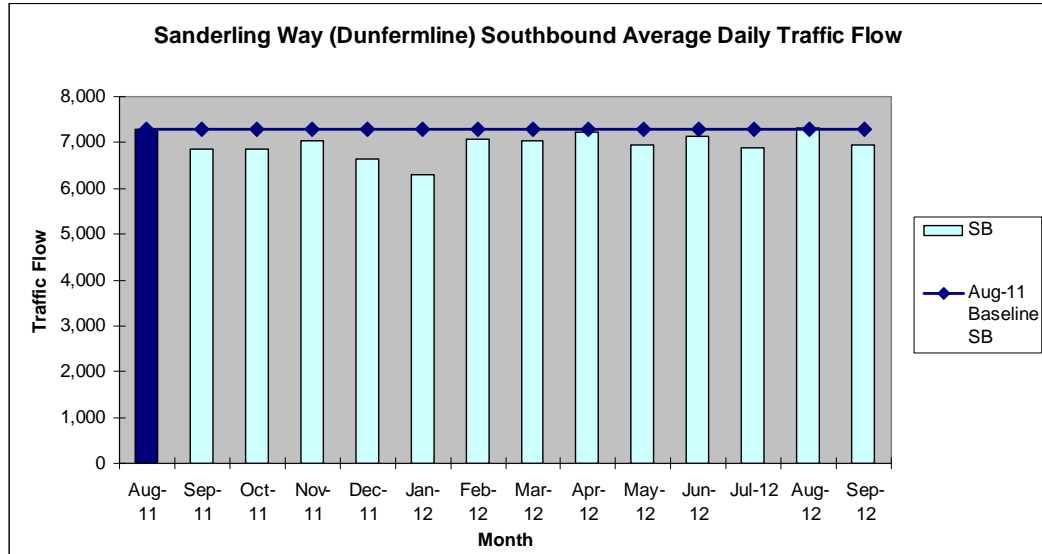


Figure 6-78 Monthly Southbound AADTs on the Sanderling Way (Dunfermline)

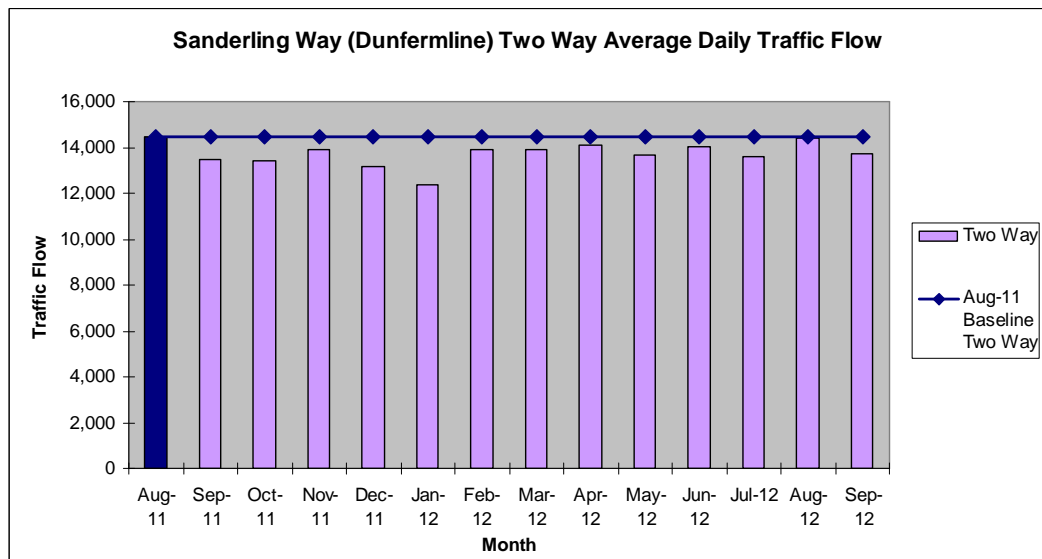


Figure 6-79 Monthly Two Way Daily Traffic Flows on the Sanderling Way (Dunfermline)

6.5.2 Monthly Average AM Peak Traffic Flows

Table 6-30 Site: JTC00585 AM Peak Traffic Flows – August 2011 to September 2012

Counter	Location	Date	NB	SB	Two Way
JTC00585	Sanderling Way (Dunfermline)	Aug-11	986	894	1,880
		Sep-11	1,010	958	1,969
		Oct-11	883	923	1,806
		Nov-11	873	901	1,774
		Dec-11	688	754	1,442
		Jan-12	720	750	1,471
		Feb-12	873	912	1,785
		Mar-12	919	926	1,845
		Apr-12	943	1,022	1,965
		May-12	1,062	1,109	2,171
		Jun-12	986	996	1,983
		Jul-12	844	823	1,667
		Aug-12	993	950	1,942
		Sep-12	1,017	934	1,950
		Annual Average			899

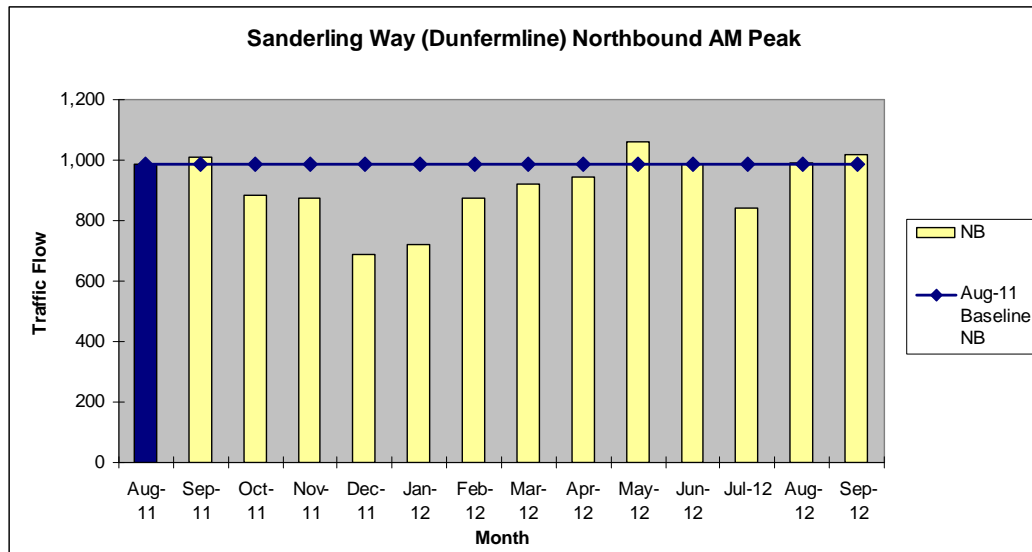


Figure 6-80 Monthly Northbound AM Peak Flows on the Sanderling Way (Dunfermline)

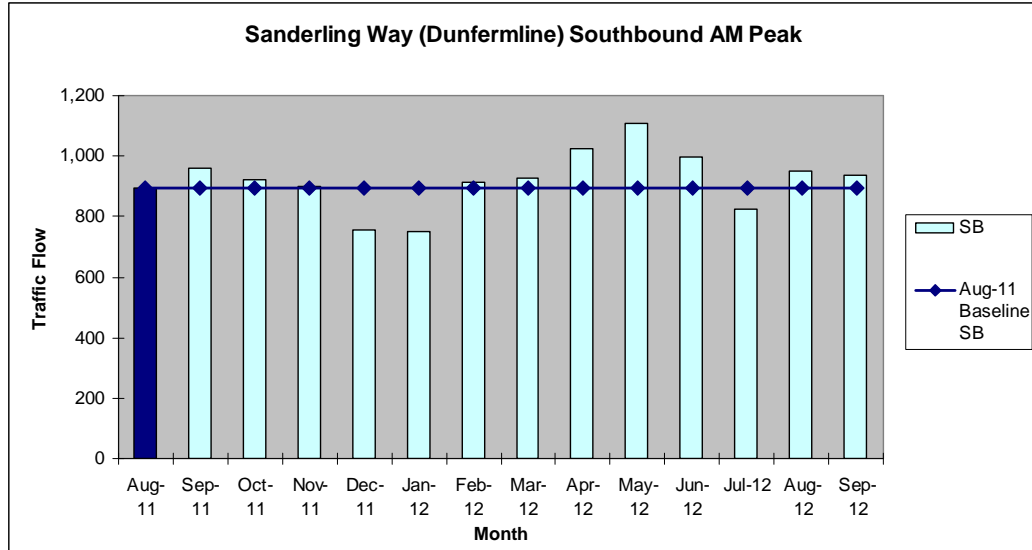


Figure 6-81 Monthly Southbound AM Peak Flows on the Sanderling Way (Dunfermline)

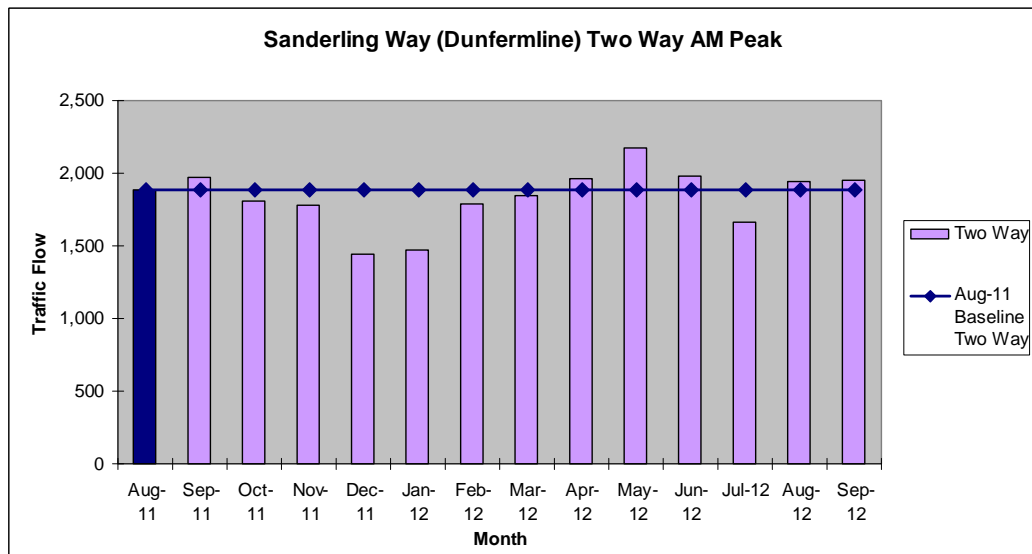


Figure 6-82 Monthly Two Way AM Peak Flows on the Sanderling Way (Dunfermline)

6.5.3 Monthly Average PM Peak Traffic Flows

Table 6-31 Site: JTC00585 PM Peak Traffic Flows – August 2011 to September 2012

Counter	Location	Date	NB	SB	Two Way
JTC00585	Sanderling Way (Dunfermline)	Aug-11	1,597	2,061	3,658
		Sep-11	1,523	1,946	3,469
		Oct-11	1,534	1,838	3,372
		Nov-11	1,685	1,794	3,479
		Dec-11	1,628	1,639	3,267
		Jan-12	1,542	1,650	3,192
		Feb-12	1,691	1,806	3,496
		Mar-12	1,657	1,844	3,502
		Apr-12	1,571	1,889	3,460
		May-12	1,534	1,830	3,364
		Jun-12	1,592	1,874	3,466
		Jul-12	1,503	1,817	3,320
		Aug-12	1,595	1,983	3,578
		Sep-12	1,512	1,867	3,379
				Annual Average	1,588

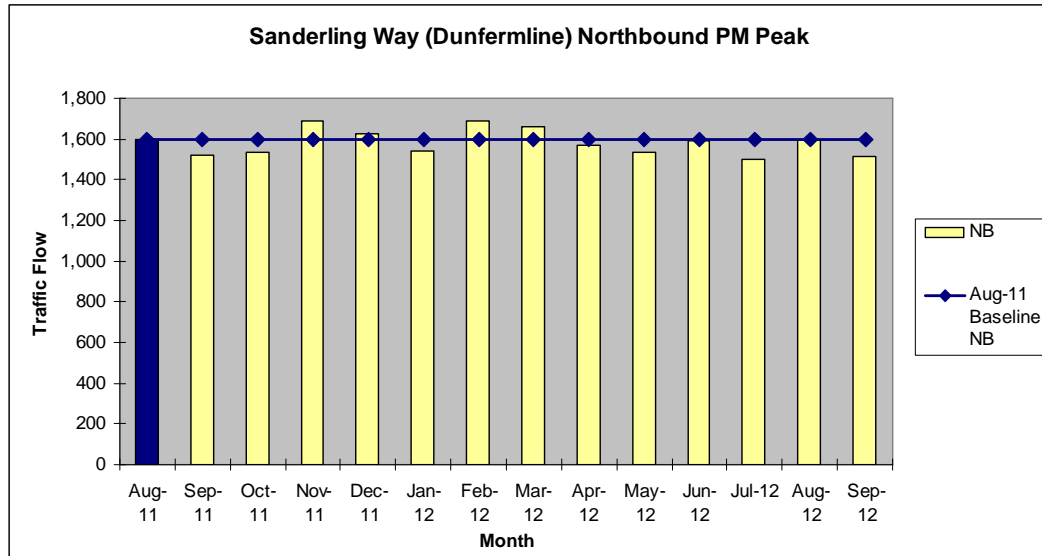


Figure 6-83 Monthly Northbound PM Peak Flows on the Sanderling Way (Dunfermline)

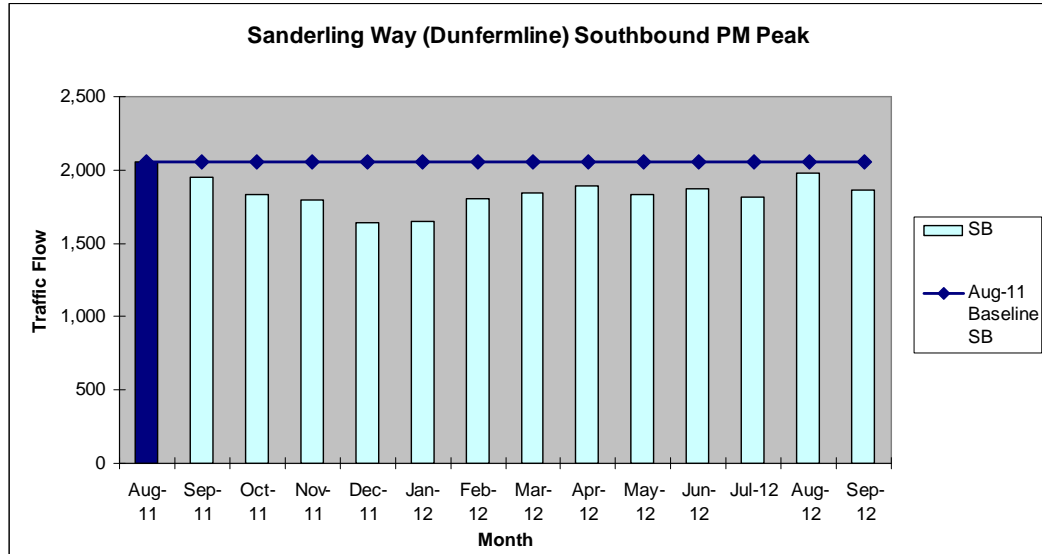


Figure 6-84 Monthly Eastbound PM Peak Flows on the Sanderling Way (Dunfermline)

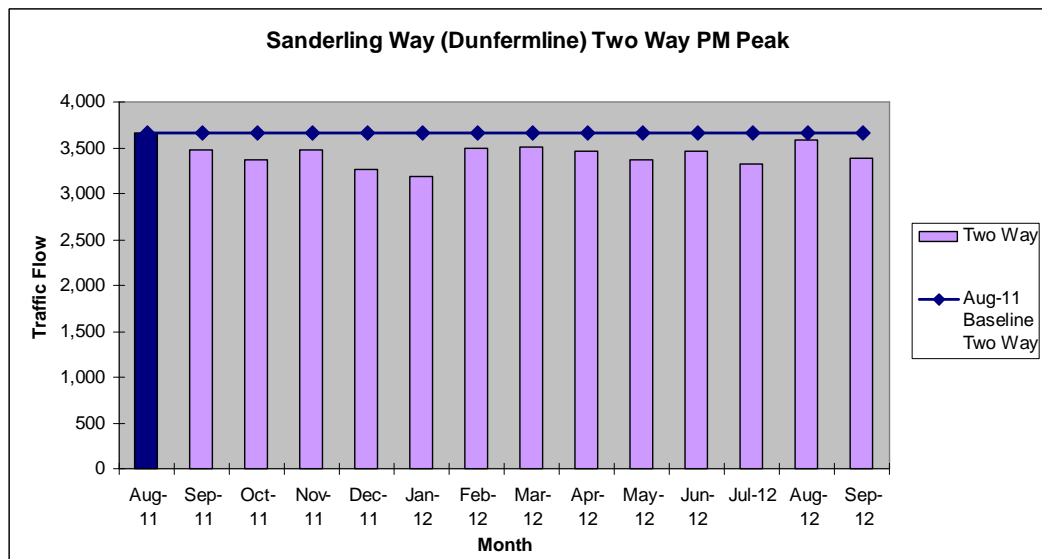


Figure 6-85 Monthly Two Way PM Peak Flows on the Sanderling Way (Dunfermline)

6.5.4 Monthly Average HGV Flows

Table 6-32 Site: JTC00585 Annual HGV Traffic Flows – August 2011 to September 2012

Counter	Location	Date	NB	SB	Two Way
JTC00585	Sanderling Way (Dunfermline)	Aug-11	115	117	232
		Sep-11	127	130	256
		Oct-11	147	148	295
		Nov-11	170	172	343
		Dec-11	163	167	330
		Jan-12	147	152	300
		Feb-12	162	170	332
		Mar-12	162	171	333
		Apr-12	154	161	315
		May-12	159	164	324
		Jun-12	138	145	282
		Jul-12	139	147	286
		Aug-12	141	149	290
		Sep-12	135	143	278
		Annual Average			149

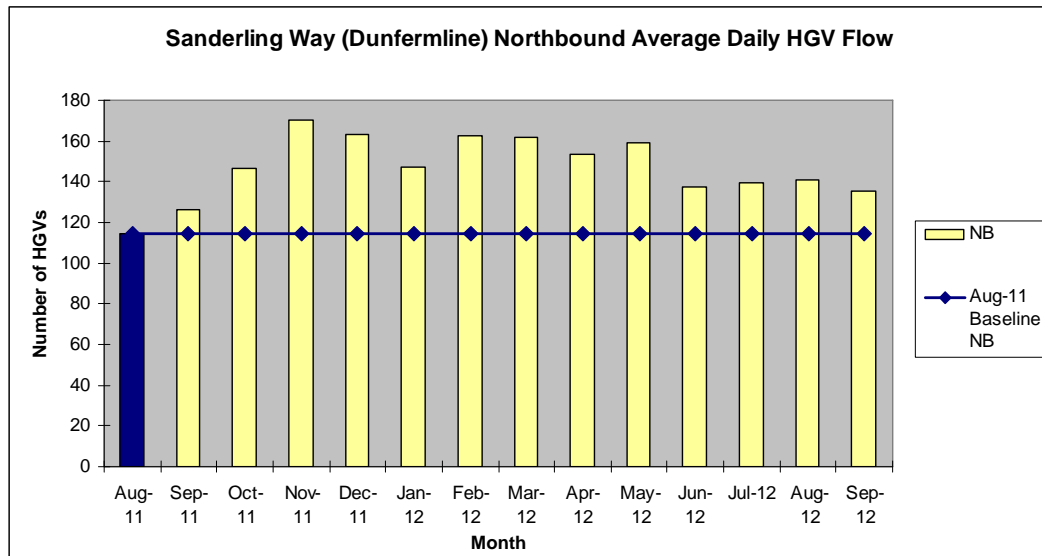


Figure 6-86 Monthly Northbound HGV Flows on the Sanderling Way (Dunfermline)

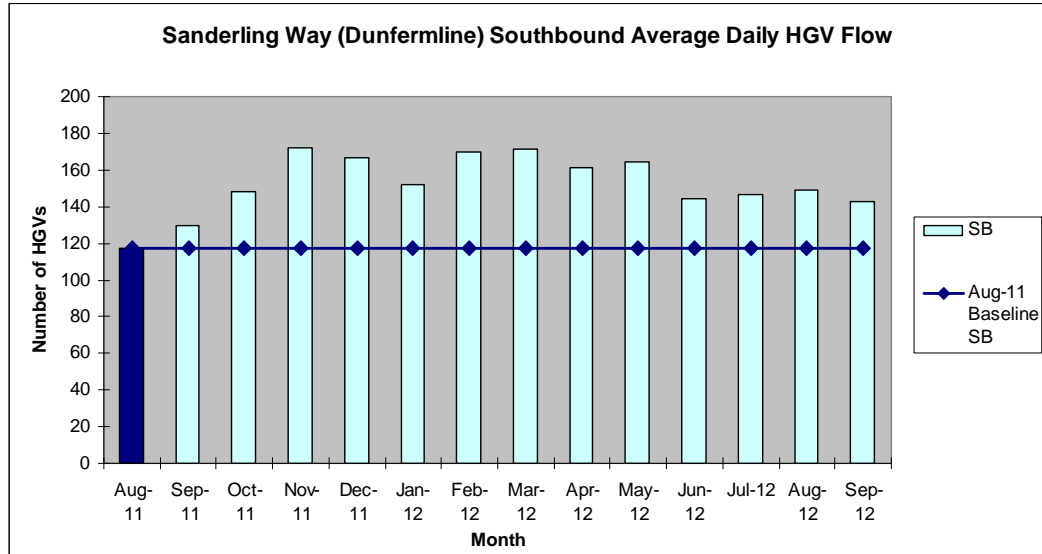


Figure 6-87 Monthly Southbound HGVS Flows on the Sanderling Way (Dunfermline)

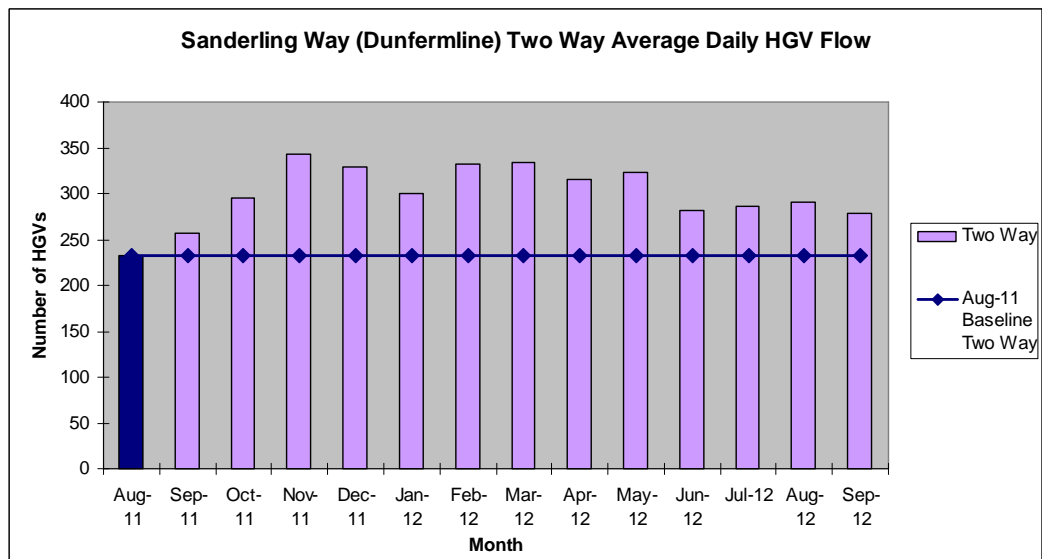


Figure 6-88 Monthly Two Way HGVS Flows on the Sanderling Way (Dunfermline)

6.5.5 Monthly Average AM Peak HGV Flows

Table 6-33 Site: JTC00585 AM Peak HGV Traffic Flows – August 2011 to September 2012

Counter	Location	Date	NB	SB	Two Way
JTC00585	Sanderling Way (Dunfermline)	Aug-11	18	23	41
		Sep-11	21	26	47
		Oct-11	22	29	51
		Nov-11	18	32	49
		Dec-11	16	29	45
		Jan-12	15	27	43
		Feb-12	17	32	50
		Mar-12	20	35	55
		Apr-12	27	37	64
		May-12	27	39	66
		Jun-12	22	33	54
		Jul-12	22	32	53
		Aug-12	22	35	57
		Sep-12	21	33	52
				Annual Average	20

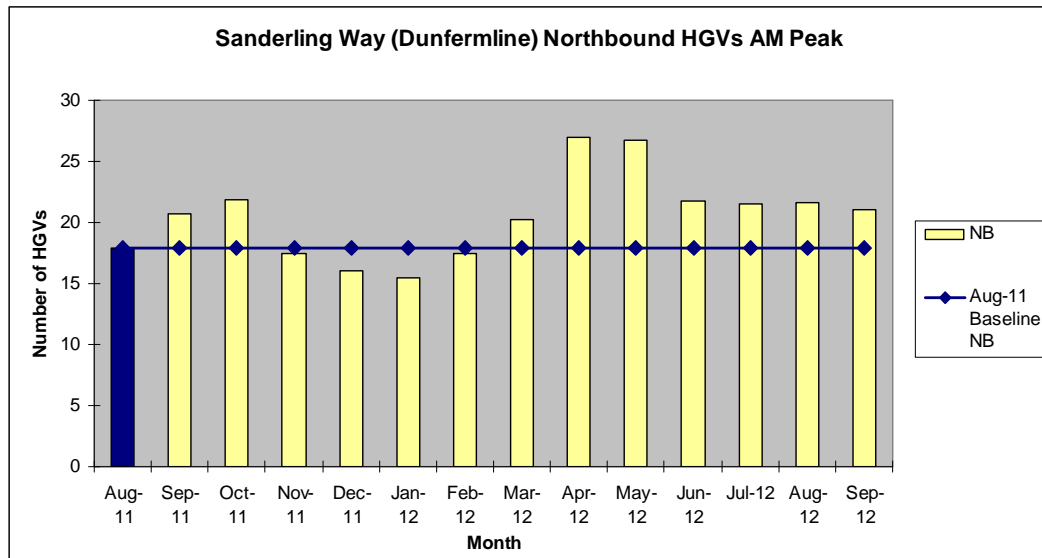


Figure 6-89 Monthly Northbound AM Peak HGV Flows on the Sanderling Way (Dunfermline)

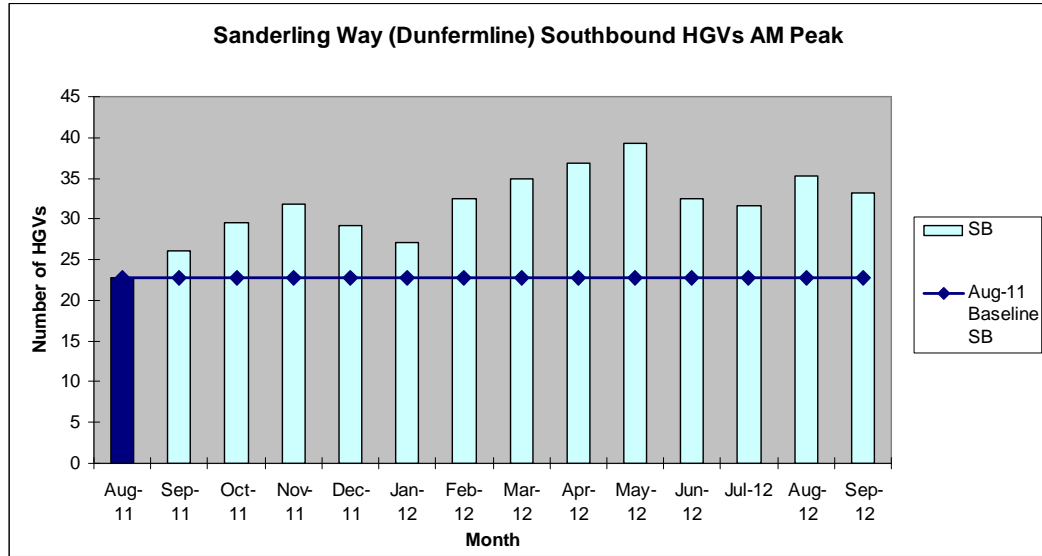


Figure 6-90 Monthly Southbound AM Peak HGV Flows on the Sanderling Way (Dunfermline)

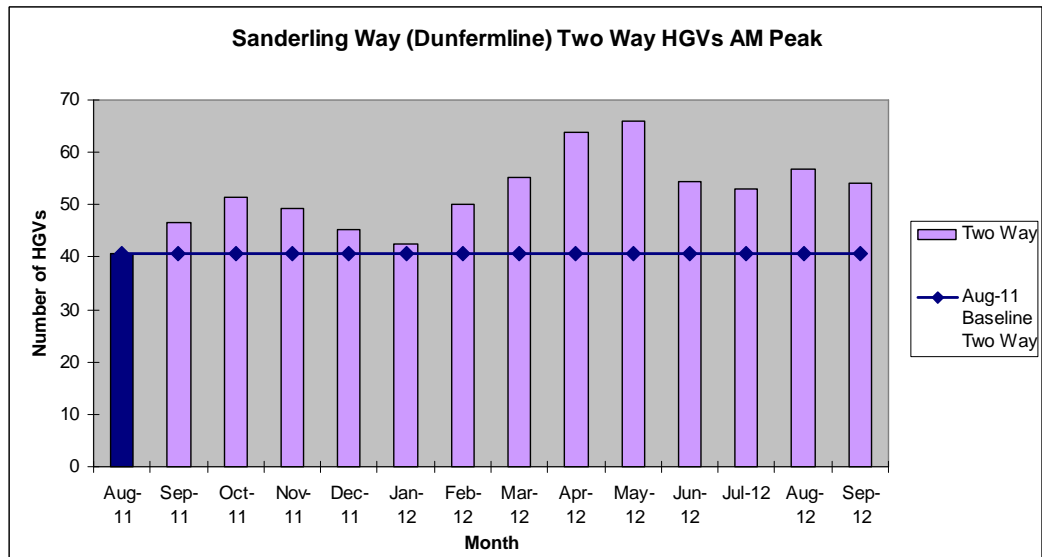


Figure 6-91 Monthly Two Way AM Peak HGV Flows on the Sanderling Way (Dunfermline)

6.5.6 Monthly Average PM Peak HGV Flows

Table 6-34 Site: JTC00585 PM Peak HGV Traffic Flows – August 2011 to September 2012

Counter	Location	Date	NB	SB	Two Way
JTC00585	Sanderling Way (Dunfermline)	Aug-11	24	21	45
		Sep-11	26	22	48
		Oct-11	33	25	58
		Nov-11	36	30	66
		Dec-11	34	30	64
		Jan-12	31	28	59
		Feb-12	32	30	63
		Mar-12	34	31	65
		Apr-12	31	26	57
		May-12	32	24	56
		Jun-12	26	19	45
		Jul-12	28	20	48
		Aug-12	27	19	46
		Sep-12	27	18	45
		Annual Average			31

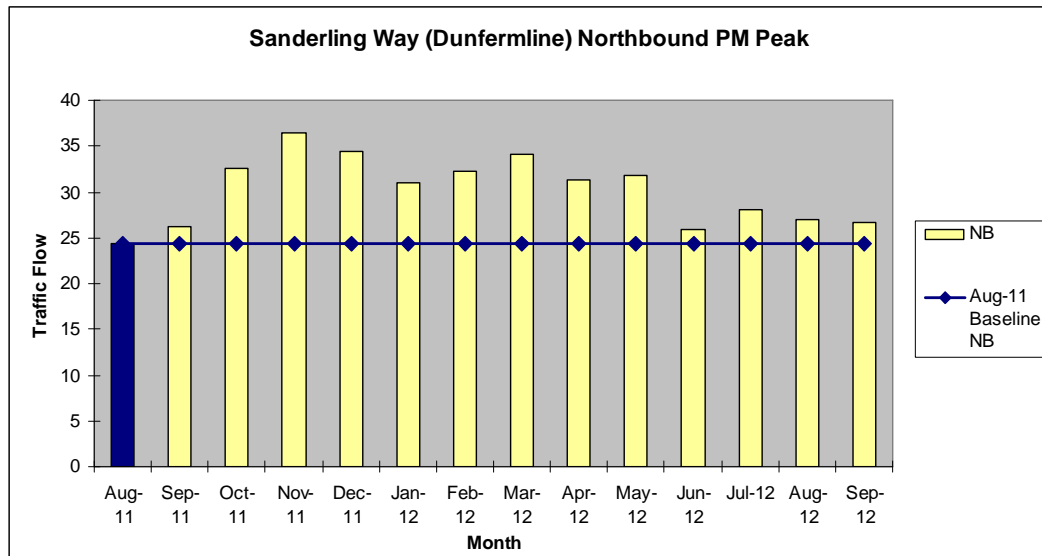


Figure 6-92 Monthly Northbound PM HGV Peak Flows on the Sanderling Way (Dunfermline)

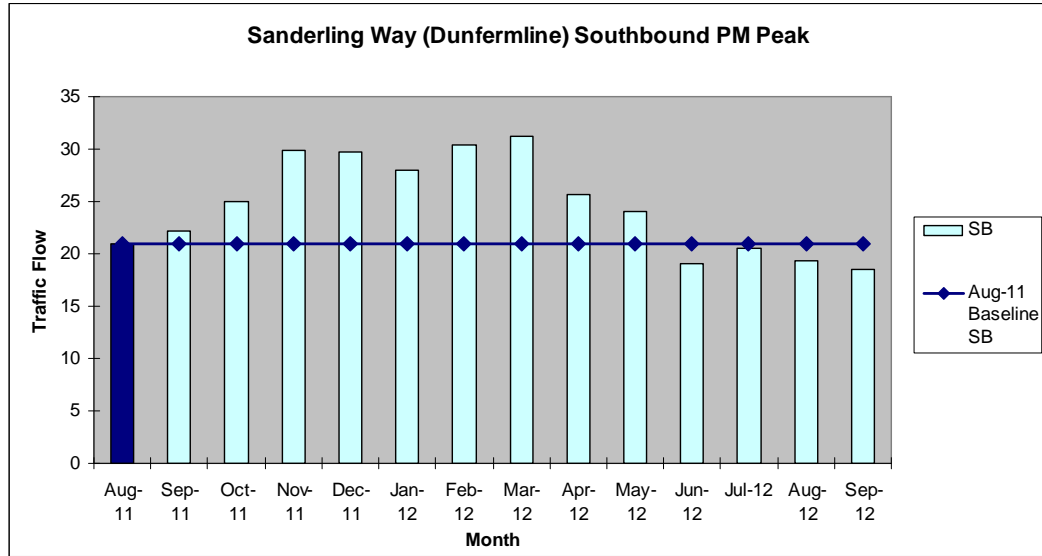


Figure 6-93 Monthly Southbound PM Peak HGV Flows on the Sanderling Way (Dunfermline)

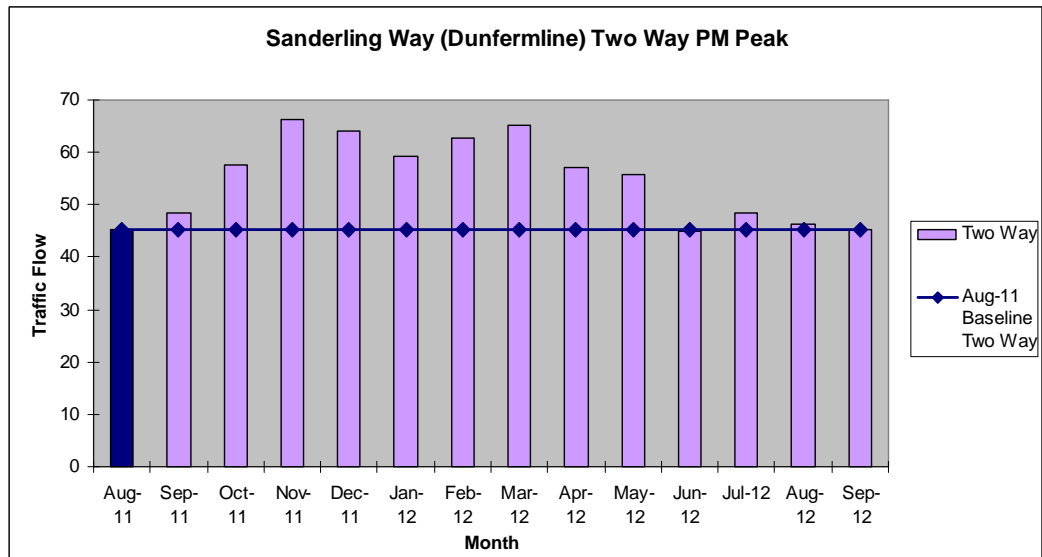


Figure 6-94 Monthly Two Way PM Peak HGV Flows on the Sanderling Way (Dunfermline)

6.5.7 Monthly Average All Vehicles Traffic Speeds

Table 6-35 Site: JTC00585 Average Monthly Traffic Speeds (KPH) (All Vehicles) – August 2011 to September 2012

Counter	Location	Date	NB	SB
JTC00585	Sanderling Way (Dunfermline)	Aug-11	60	59
		Sep-11	61	59
		Oct-11	60	59
		Nov-11	59	58
		Dec-11	59	57
		Jan-12	59	57
		Feb-12	59	58
		Mar-12	60	60
		Apr-12	60	60
		May-12	59	59
		Jun-12	60	60
		Jul-12	60	60
		Aug-12	60	60
Sep-12	60	60		

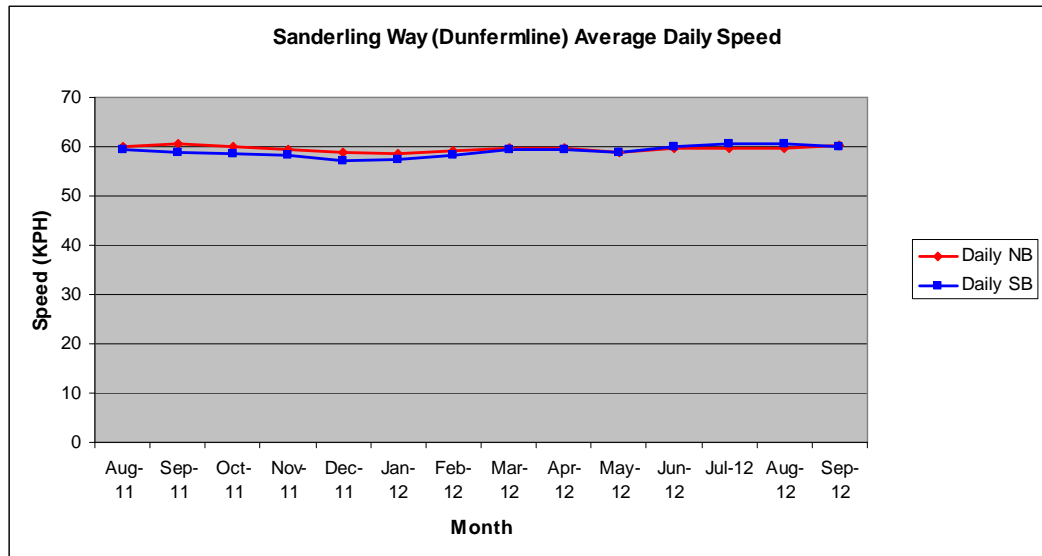


Figure 6-95 Average Monthly Traffic Speeds (KPH) on the Sanderling Way (Dunfermline)

6.6 Traffic Counter JTC00587 – Ferry Toll Road

6.6.1 Monthly Average Traffic Flows

Table 3-36 Site: JTC00587 Annual Traffic Flows – August 2011 to September 2012

Counter	Location	Date	NB	SB	Two Way
JTC00587	Ferry Toll Road	Aug-11	2,033	2,780	4,814
		Sep-11	1,855	2,035	3,890
		Oct-11	1,785	1,970	3,755
		Nov-11	1,866	2,053	3,919
		Dec-11	1,692	1,819	3,510
		Jan-12	1,663	1,802	3,465
		Feb-12	1,901	2,050	3,951
		Mar-12	1,915	2,090	4,005
		Apr-12	1,908	2,120	4,028
		May-12	1,952	2,166	4,118
		Jun-12	1,880	2,023	3,903
		Jul-12	1,766	1,871	3,637
		Aug-12	1,885	2,011	3,896
		Sep-12	1,775	1,910	3,685
		Annual Average			1,851

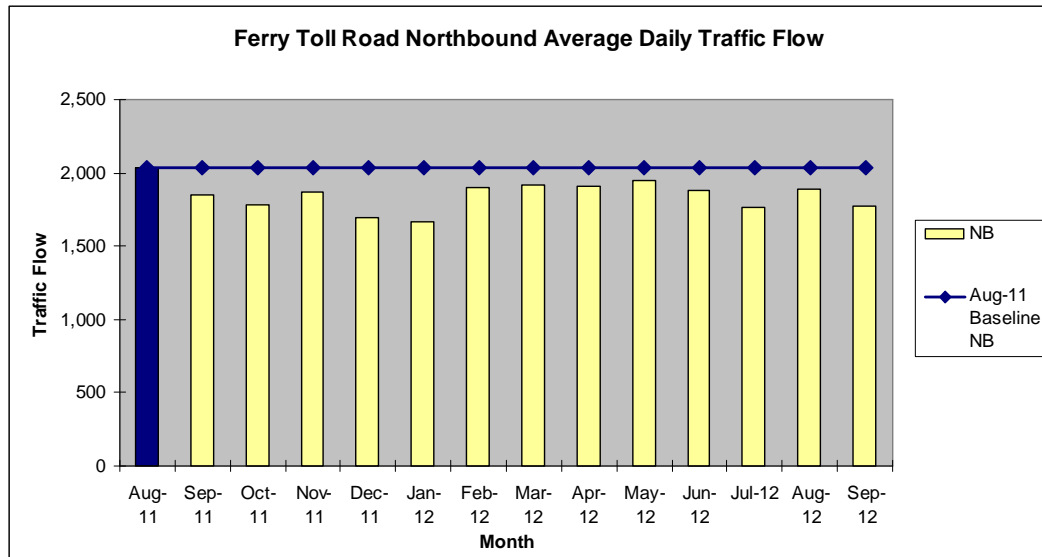


Figure 6-96 Monthly Northbound AADTs on the Ferry Toll Road

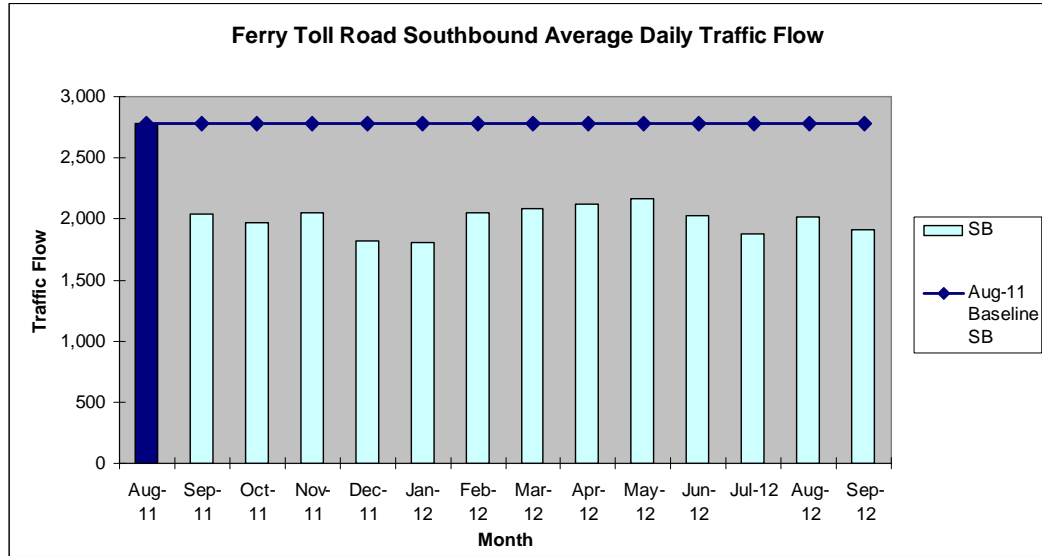


Figure 6-97 Monthly Southbound AADTs on the Ferry Toll Road

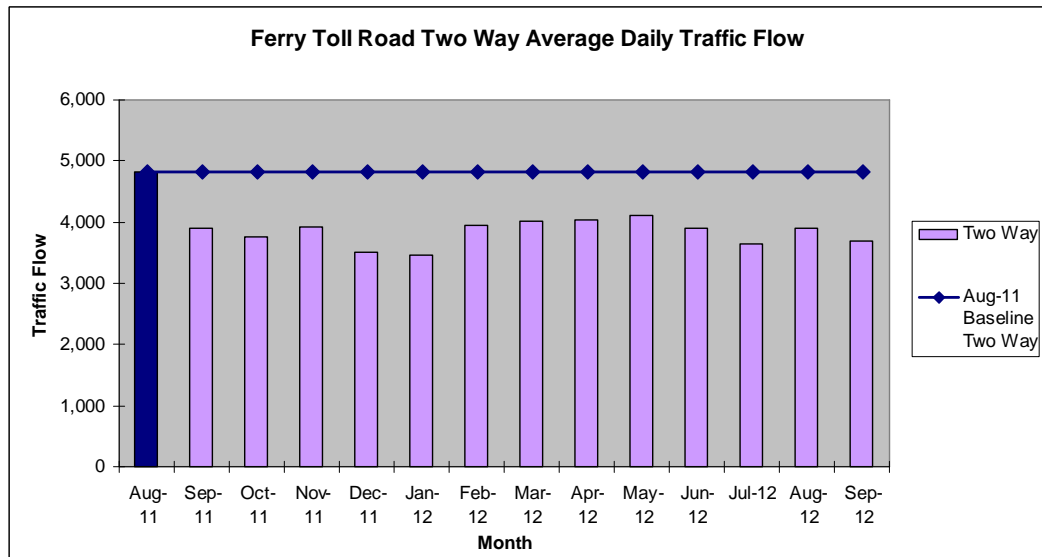


Figure 6-98 Monthly Two Way Daily Traffic Flows on the Ferry Toll Road

6.6.2 Monthly Average AM Peak Traffic Flows

Table 6-37 Site: JTC00587 AM Peak Traffic Flows – August 2011 to September 2012

Counter	Location	Date	NB	SB	Two Way
JTC00587	Ferry Toll Road	Aug-11	243	764	1,007
		Sep-11	246	618	864
		Oct-11	212	576	788
		Nov-11	206	638	844
		Dec-11	162	486	647
		Jan-12	167	549	716
		Feb-12	201	631	833
		Mar-12	208	634	843
		Apr-12	211	602	813
		May-12	241	649	890
		Jun-12	224	579	803
		Jul-12	206	517	723
		Aug-12	235	569	804
		Sep-12	236	556	792
		Annual Average			211

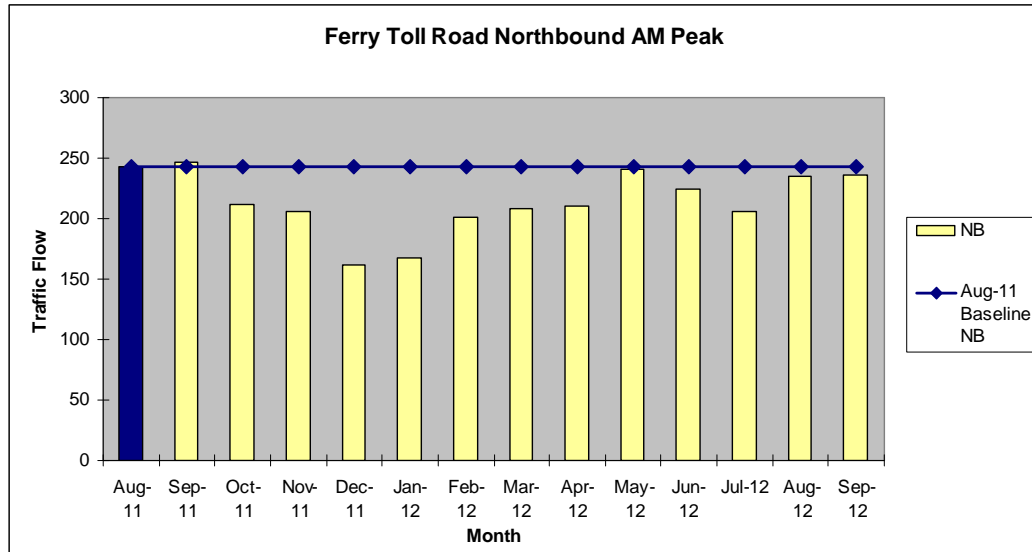


Figure 6-99 Monthly Eastbound AM Peak Flows on the Ferry Toll Road

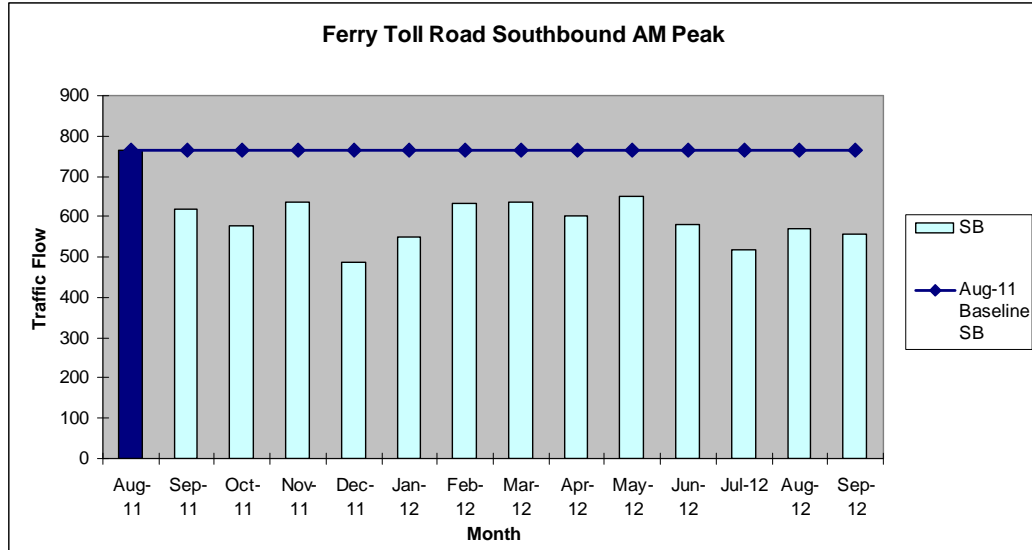


Figure 6-100 Monthly Westbound AM Peak Flows on the Ferry Toll Road

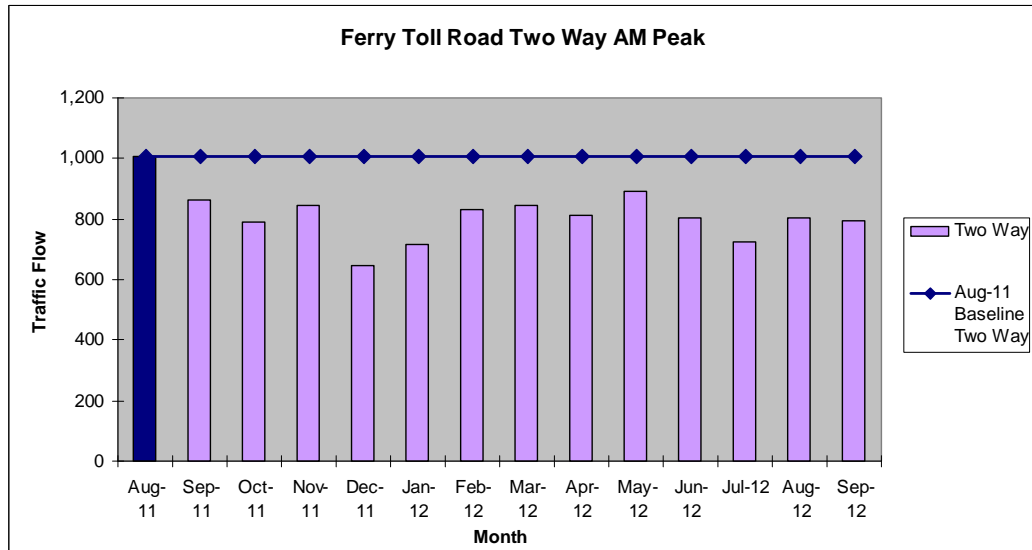


Figure 6-101 Monthly Two Way AM Peak Flows on the Ferry Toll Road

6.6.3 Monthly Average PM Peak Traffic Flows

Table 6-38 Site: JTC00587 PM Peak Traffic Flows – August 2011 to September 2012

Counter	Location	Date	NB	SB	Two Way
JTC00587	Ferry Toll Road	Aug-11	663	519	1,182
		Sep-11	598	387	985
		Oct-11	600	364	964
		Nov-11	572	362	935
		Dec-11	499	320	819
		Jan-12	525	319	844
		Feb-12	592	377	969
		Mar-12	605	386	991
		Apr-12	634	380	1,014
		May-12	643	392	1,035
		Jun-12	604	349	953
		Jul-12	578	335	913
		Aug-12	602	375	977
		Sep-12	572	350	922
		Annual Average			593

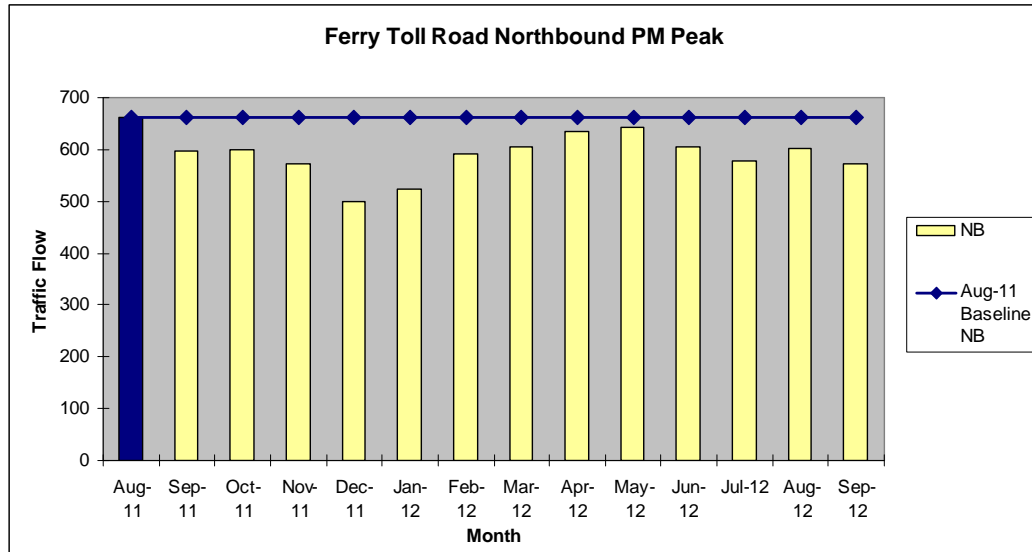


Figure 6-102 Monthly Eastbound PM Peak Flows on the Ferry Toll Road

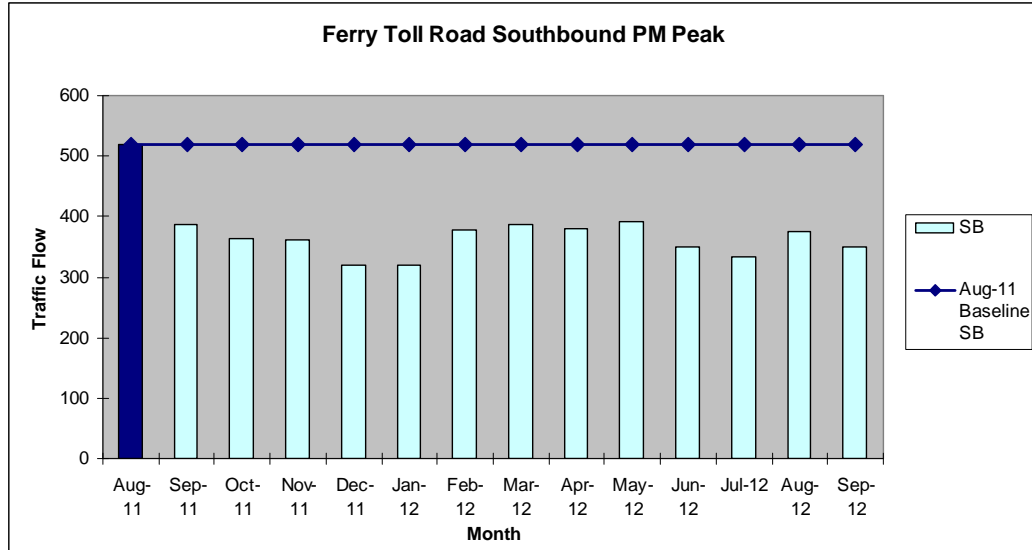


Figure 6-103 Monthly Westbound PM Peak Flows on the Ferry Toll Road

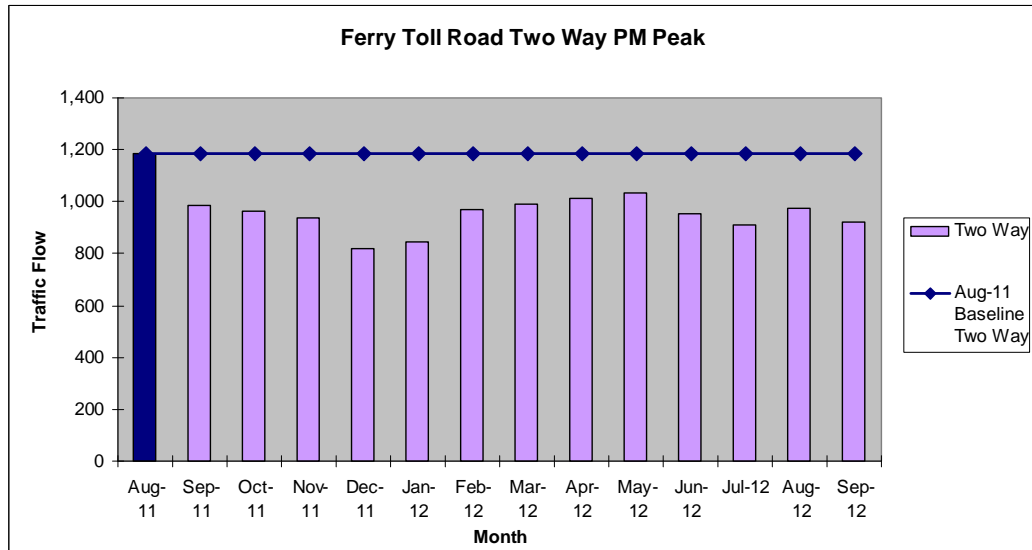


Figure 6-104 Monthly Two Way PM Peak Flows on the Ferry Toll Road

6.6.4 Monthly Average HGV Flows

Table 6-39 Site: JTC00587 Annual HGV Traffic Flows – August 2011 to September 2012

Counter	Location	Date	NB	SB	Two Way
JTC00587	Ferry Toll Road	Aug-11	4	5	9
		Sep-11	2	1	3
		Oct-11	2	1	3
		Nov-11	3	2	5
		Dec-11	3	2	4
		Jan-12	3	2	5
		Feb-12	5	3	8
		Mar-12	4	2	6
		Apr-12	4	3	6
		May-12	3	3	6
		Jun-12	3	2	5
		Jul-12	2	2	4
		Aug-12	4	3	7
		Sep-12	4	2	6
Annual Average			3	2	5

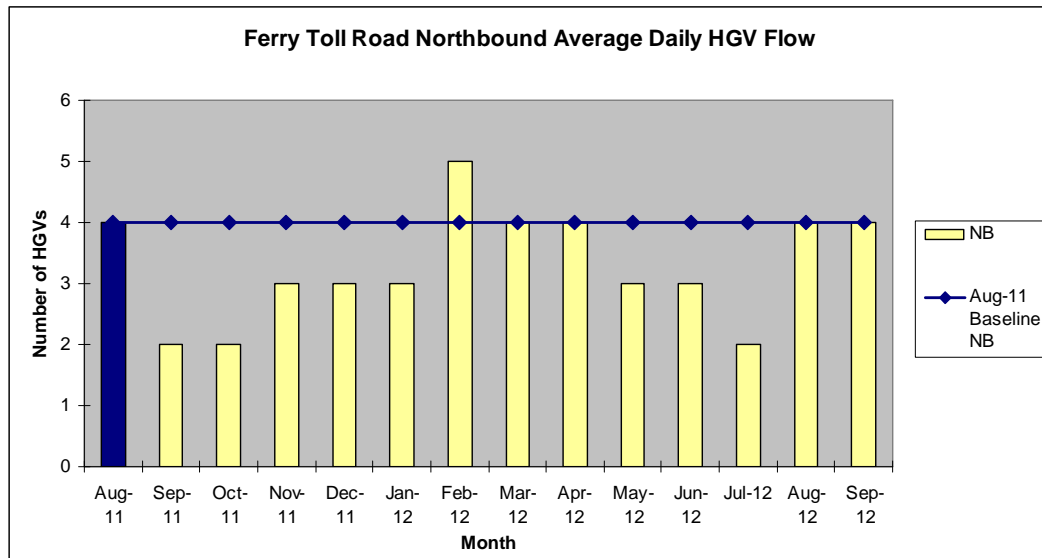


Figure 6-105 Monthly Northbound HGV Flows on the Ferry Toll Road

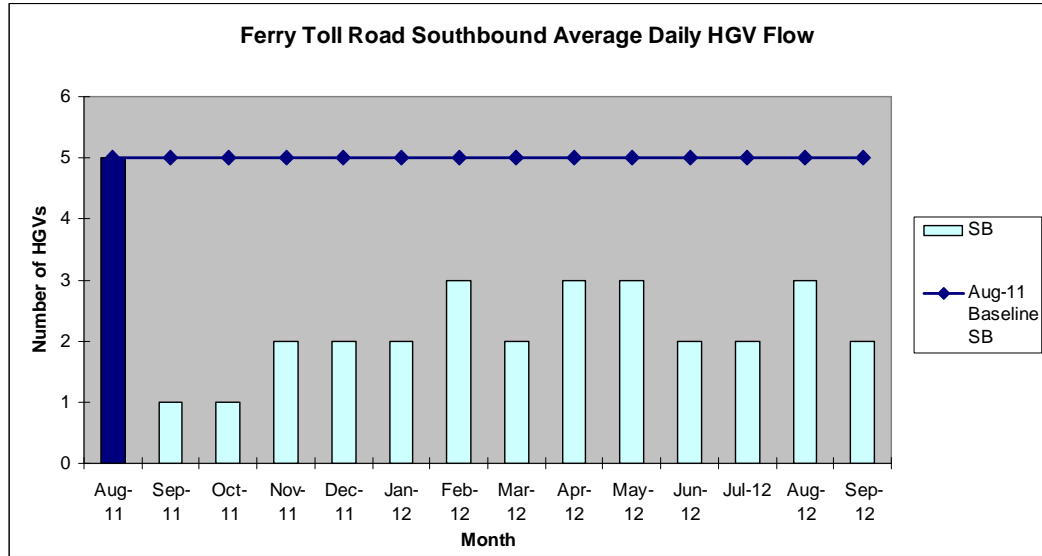


Figure 6-106 Monthly Southbound HGVS Flows on the Ferry Toll Road

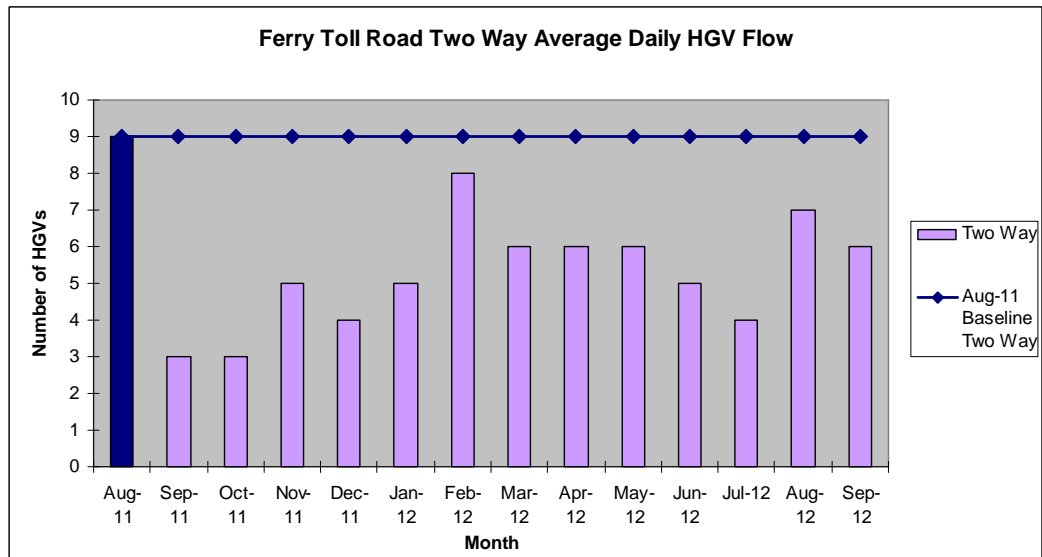


Figure 6-107 Monthly Two Way HGVS Flows on the Ferry Toll Road

6.6.5 Monthly Average AM Peak HGV Flows

Table 6-40 Site: JTC00587 AM Peak HGV Traffic Flows – August 2011 to September 2012

Counter	Location	Date	NB	SB	Two Way
JTC00587	Ferry Toll Road	Aug-11	1	1	2
		Sep-11	1	0	1
		Oct-11	1	0	1
		Nov-11	2	1	3
		Dec-11	2	1	2
		Jan-12	1	1	2
		Feb-12	2	1	3
		Mar-12	2	1	3
		Apr-12	2	1	3
		May-12	1	1	2
		Jun-12	2	1	2
		Jul-12	1	1	2
		Aug-12	2	1	2
		Sep-12	2	1	2
		Annual Average			1

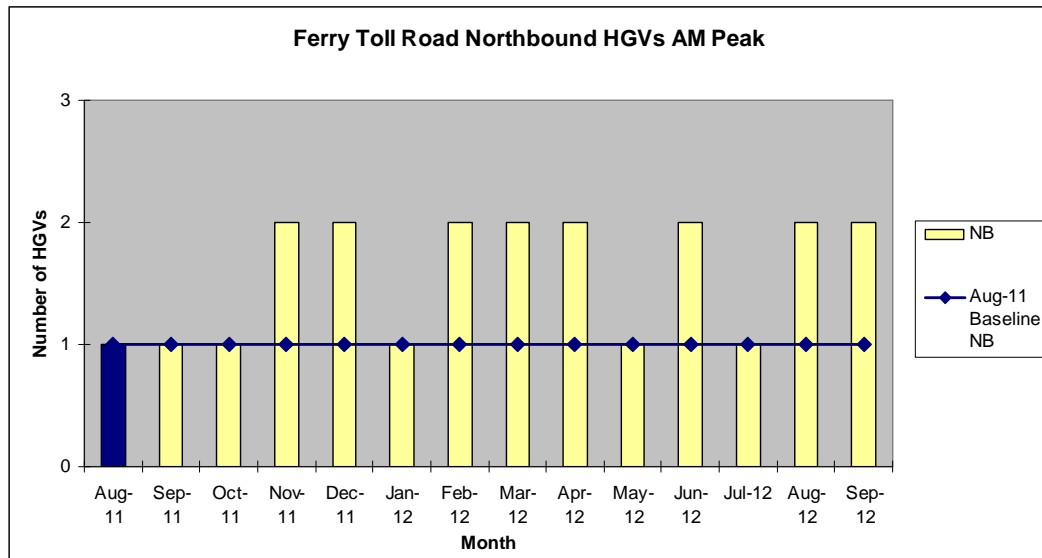


Figure 6-108 Monthly Northbound AM Peak HGV Flows on the Ferry Toll Road

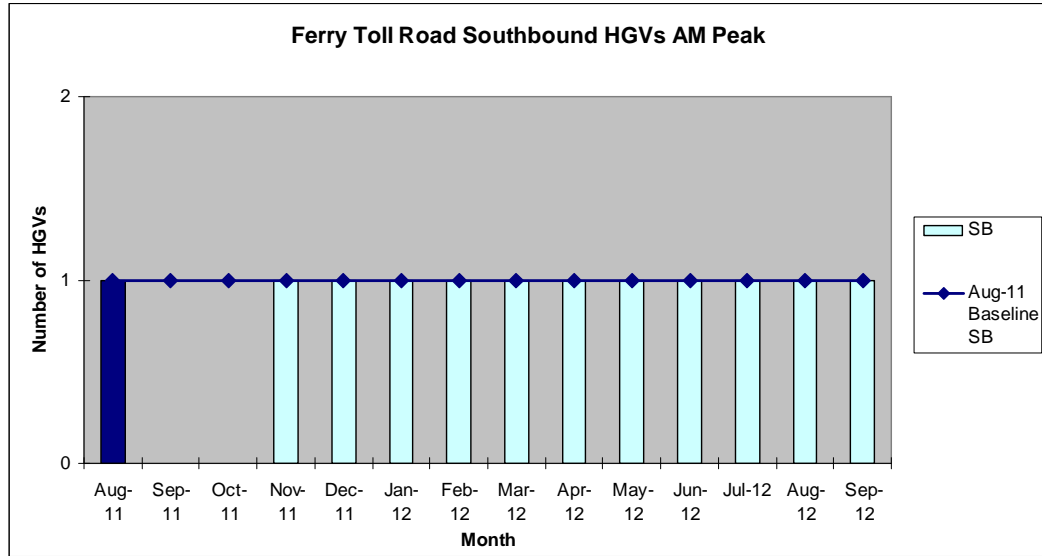


Figure 6-109 Monthly Southbound AM Peak HGV Flows on the Ferry Toll Road

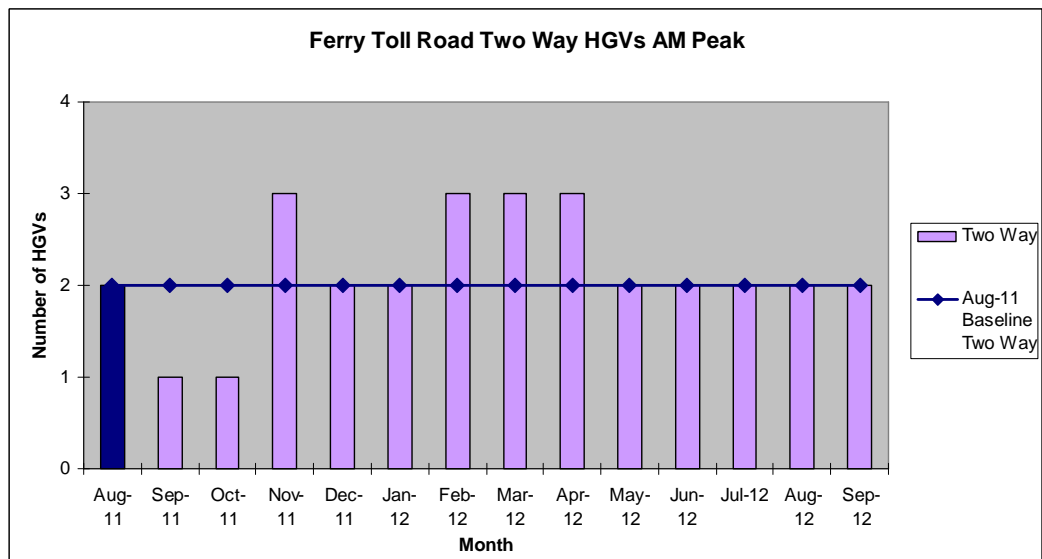


Figure 6-110 Monthly Two Way AM Peak HGV Flows on the Ferry Toll Road

6.6.6 Monthly Average PM Peak HGV Flows

Table 6-41 Site: JTC00587 PM Peak HGV Traffic Flows – August 2011 to September 2012

Counter	Location	Date	EB	WB	Two Way
JTC00587	Ferry Toll Road	Aug-11	1	1	2
		Sep-11	0	0	0
		Oct-11	0	0	1
		Nov-11	1	0	1
		Dec-11	0	0	1
		Jan-12	1	1	1
		Feb-12	1	1	2
		Mar-12	1	1	2
		Apr-12	1	1	2
		May-12	1	1	2
		Jun-12	1	0	1
		Jul-12	1	1	1
		Aug-12	1	1	2
		Sep-12	1	1	2
		Annual Average			1

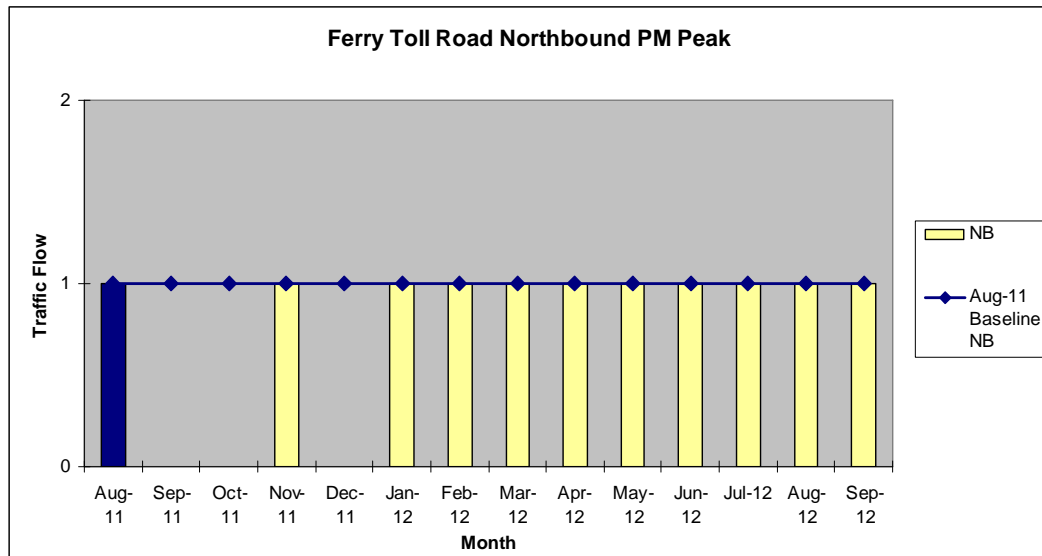


Figure 6-111 Monthly Eastbound PM HGV Peak Flows on the Ferry Toll Road

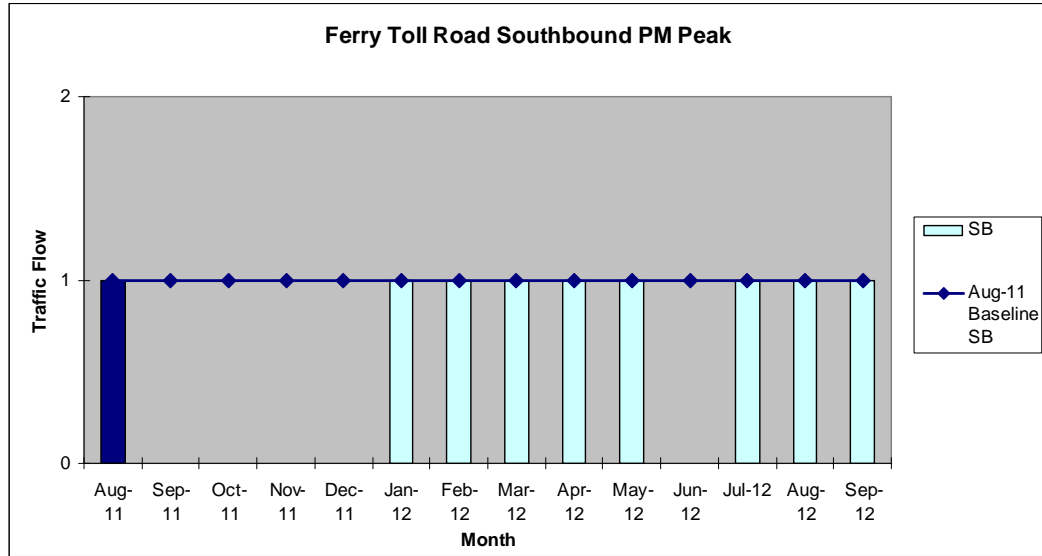


Figure 6-112 Monthly Westbound PM Peak HGV Flows on the Ferry Toll Road

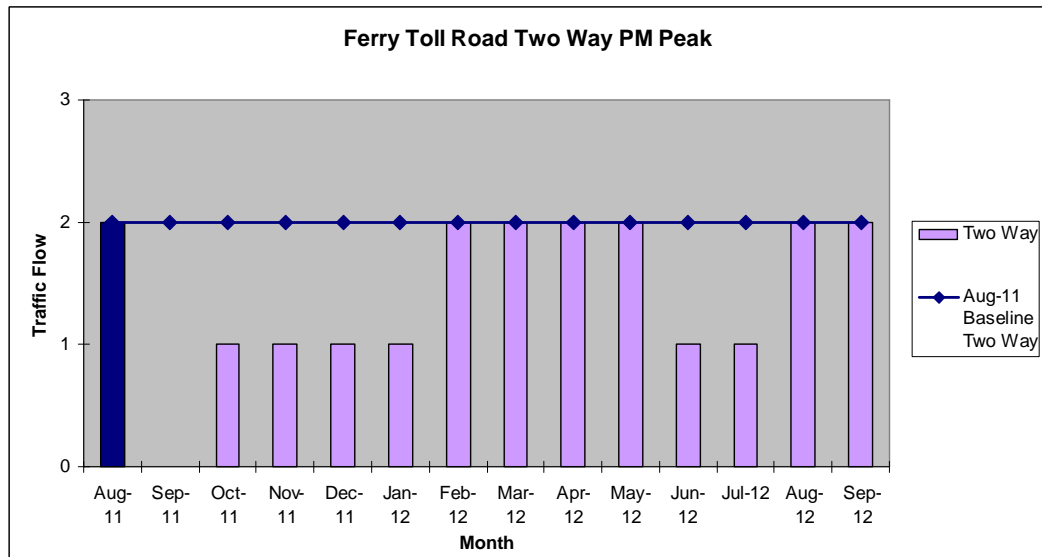


Figure 6-113 Monthly Two Way PM Peak HGV Flows on the Ferry Toll Road

6.6.7 Monthly Average All Vehicles Traffic Speeds

Table 6-42 Site: JTC00587 Average Monthly Traffic Speeds (KPH) (All Vehicles) – August 2011 to September 2012

Counter	Location	Date	NB	SB
JTC00587	Ferry Toll Road	Aug-11	55	56
		Sep-11	55	57
		Oct-11	55	56
		Nov-11	54	55
		Dec-11	54	55
		Jan-12	54	54
		Feb-12	54	54
		Mar-12	55	55
		Apr-12	55	55
		May-12	55	56
		Jun-12	55	56
		Jul-12	55	56
		Aug-12	54	56
Sep-12	54	56		

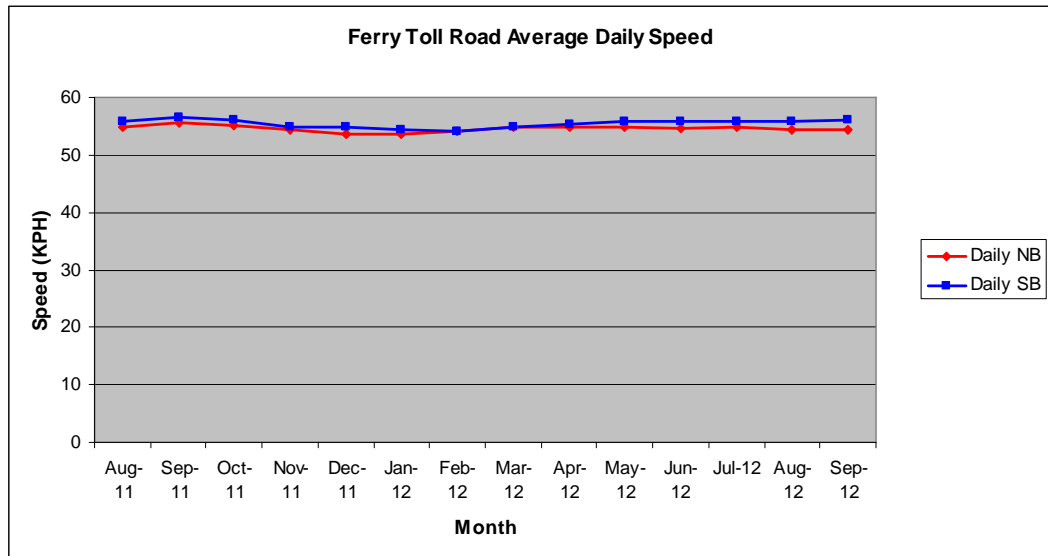


Figure 6-114 Average Monthly Traffic Speeds (KPH) on the Ferry Toll Road

6.7 Traffic Counter JTC00588 – King Malcolm Drive (Rosyth)

6.7.1 Monthly Average Traffic Flows

Table 3-43 Site: JTC00588 Annual Traffic Flows – August 2011 to September 2012

Counter	Location	Date	EB	WB	Two Way
JTC00588	King Malcolm Drive (Rosyth)	Aug-11	1,748	1,443	3,191
		Sep-11	1,720	1,474	3,194
		Oct-11	1,534	1,280	2,814
		Nov-11	1,671	1,359	3,030
		Dec-11	1,266	1,040	2,305
		Jan-12	1,437	1,219	2,657
		Feb-12	1,820	1,516	3,335
		Mar-12	1,780	1,500	3,280
		Apr-12	1,734	1,432	3,165
		May-12	1,921	1,669	3,591
		Jun-12	1,733	1,512	3,244
		Jul-12	1,861	1,632	3,493
		Aug-12	1,996	1,742	3,739
		Sep-12	1,855	1,633	3,487
		Annual Average			1,685

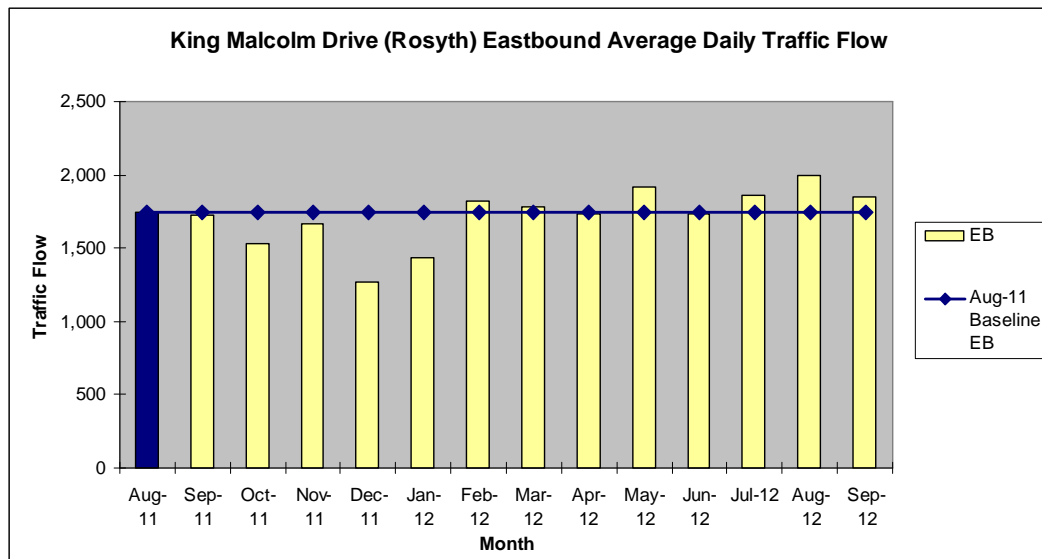


Figure 6-115 Monthly Eastbound AADTs on the King Malcolm Drive (Rosyth)

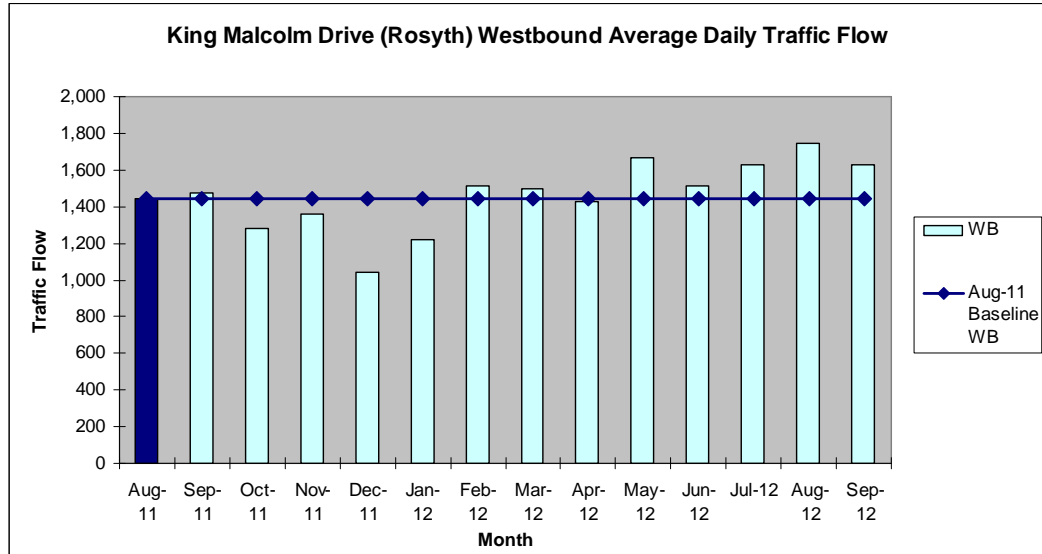


Figure 6-116 Monthly Westbound AADTs on the King Malcolm Drive (Rosyth)

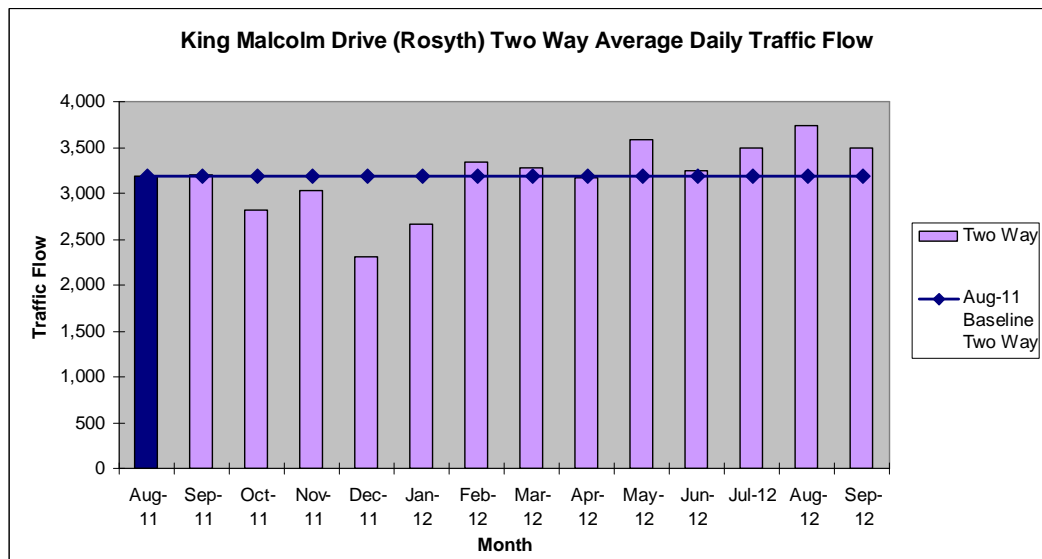


Figure 6-117 Monthly Two Way Daily Traffic Flows on the King Malcolm Drive (Rosyth)

6.7.2 Monthly Average AM Peak Traffic Flows

Table 6-44 Site: JTC00588 AM Peak Traffic Flows – August 2011 to September 2012

Counter	Location	Date	EB	WB	Two Way
JTC00588	King Malcolm Drive (Rosyth)	Aug-11	262	611	873
		Sep-11	250	633	883
		Oct-11	224	539	763
		Nov-11	216	631	846
		Dec-11	165	469	633
		Jan-12	189	560	749
		Feb-12	238	685	924
		Mar-12	243	677	920
		Apr-12	237	575	812
		May-12	256	689	945
		Jun-12	240	617	857
		Jul-12	270	647	918
		Aug-12	275	700	975
		Sep-12	253	663	916
		Annual Average			232

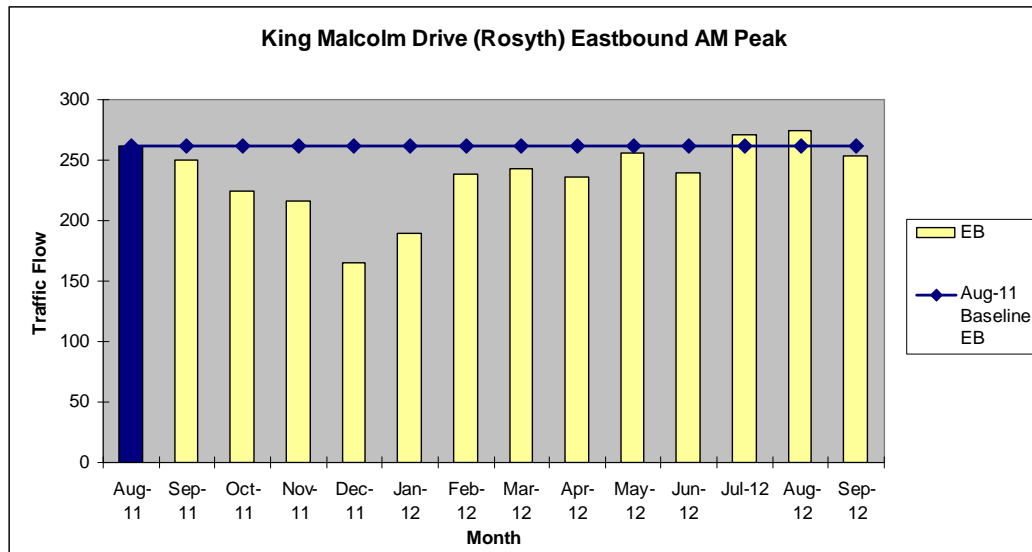


Figure 6-118 Monthly Eastbound AM Peak Flows on the King Malcolm Drive (Rosyth)

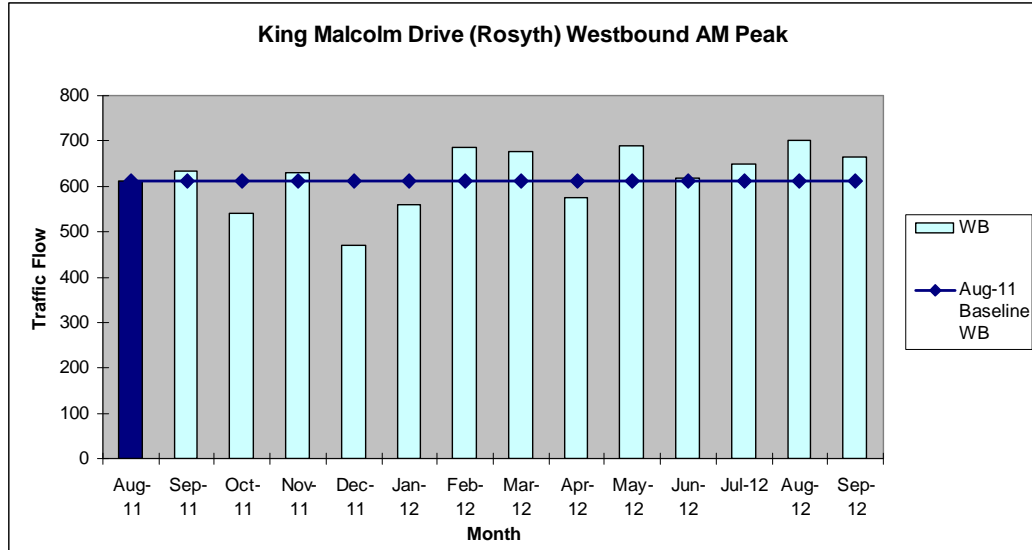


Figure 6-119 Monthly Westbound AM Peak Flows on the King Malcolm Drive (Rosyth)

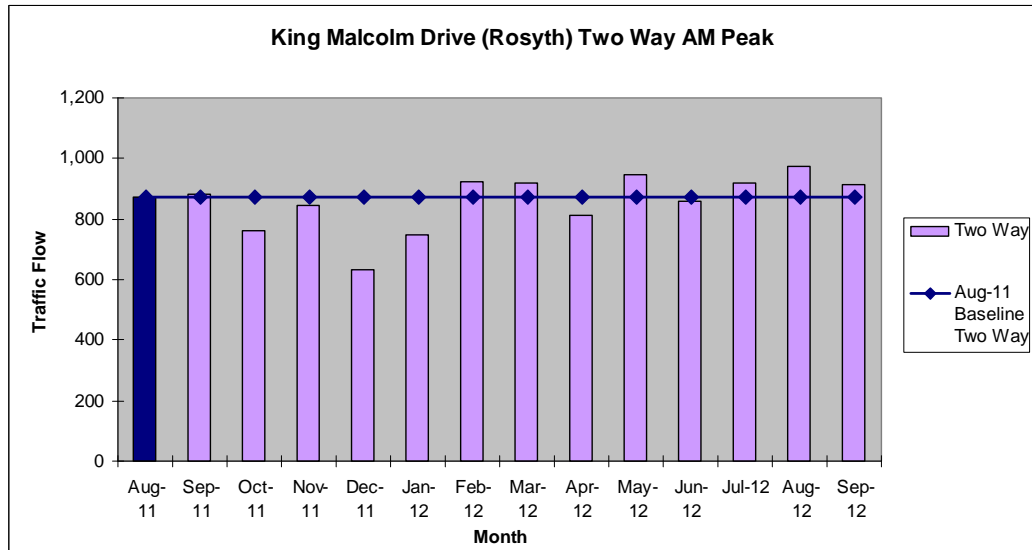


Figure 6-120 Monthly Two Way AM Peak Flows on the King Malcolm Drive (Rosyth)

6.7.3 Monthly Average PM Peak Traffic Flows

Table 6-45 Site: JTC00588 PM Peak Traffic Flows – August 2011 to September 2012

Counter	Location	Date	EB	WB	Two Way
JTC00588	King Malcolm Drive (Rosyth)	Aug-11	751	155	906
		Sep-11	738	159	897
		Oct-11	665	142	807
		Nov-11	738	166	904
		Dec-11	512	117	629
		Jan-12	620	141	760
		Feb-12	788	189	978
		Mar-12	767	176	944
		Apr-12	741	157	897
		May-12	845	172	1,017
		Jun-12	727	148	876
		Jul-12	785	170	956
		Aug-12	860	191	1,050
		Sep-12	807	170	977
		Annual Average			723

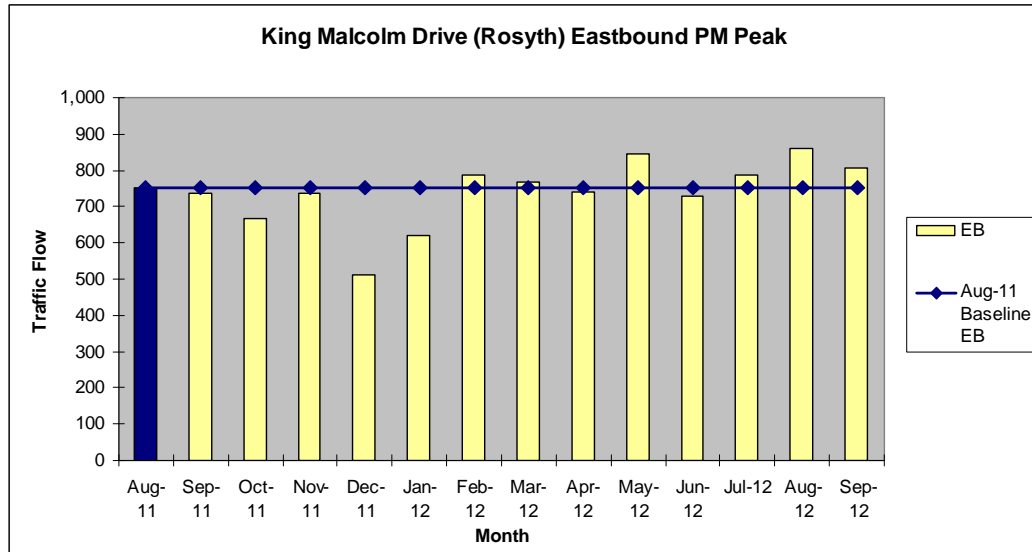


Figure 6-121 Monthly Eastbound PM Peak Flows on the King Malcolm Drive (Rosyth)

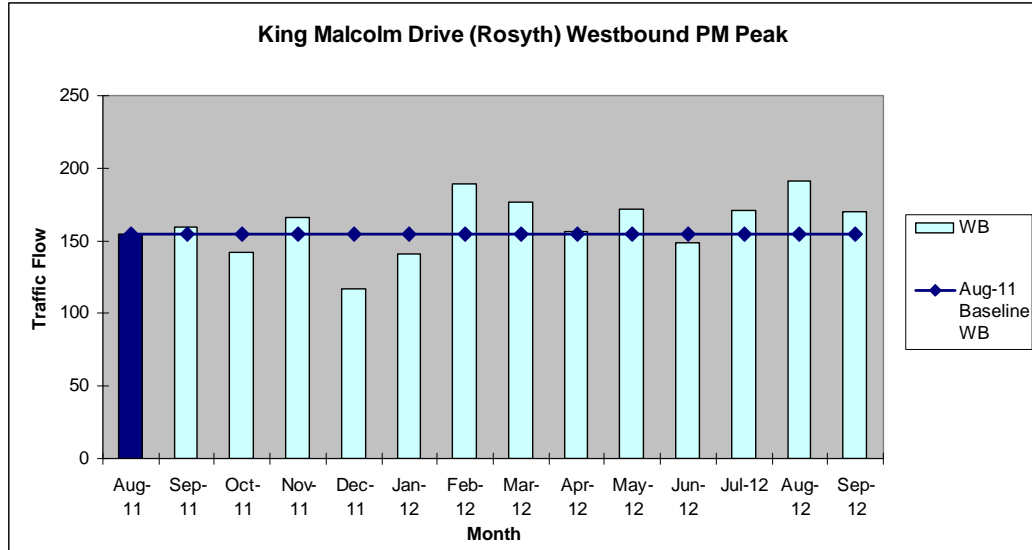


Figure 6-122 Monthly Westbound PM Peak Flows on the King Malcolm Drive (Rosyth)

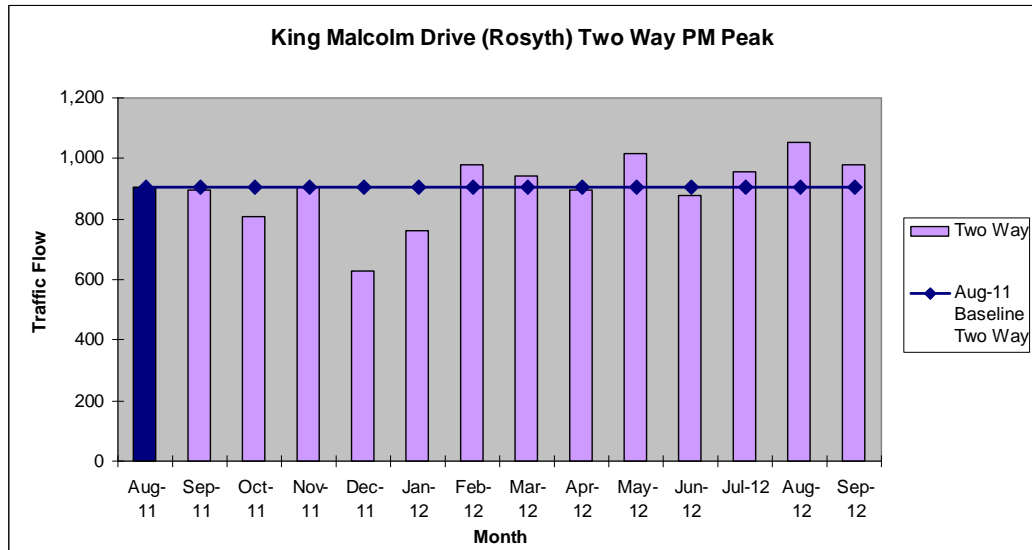


Figure 6-123 Monthly Two Way PM Peak Flows on the King Malcolm Drive (Rosyth)

6.7.4 Monthly Average HGVS Flows

Table 6-46 Site: JTC00588 Annual HGVS Traffic Flows – August 2011 to September 2012

Counter	Location	Date	EB	WB	Two Way
JTC00588	King Malcolm Drive (Rosyth)	Aug-11	71	86	156
		Sep-11	75	94	169
		Oct-11	63	77	140
		Nov-11	54	76	130
		Dec-11	45	57	102
		Jan-12	43	53	96
		Feb-12	51	67	118
		Mar-12	54	71	125
		Apr-12	54	66	120
		May-12	54	74	128
		Jun-12	51	61	112
		Jul-12	57	72	128
		Aug-12	60	88	148
		Sep-12	62	80	142
		Annual Average			56

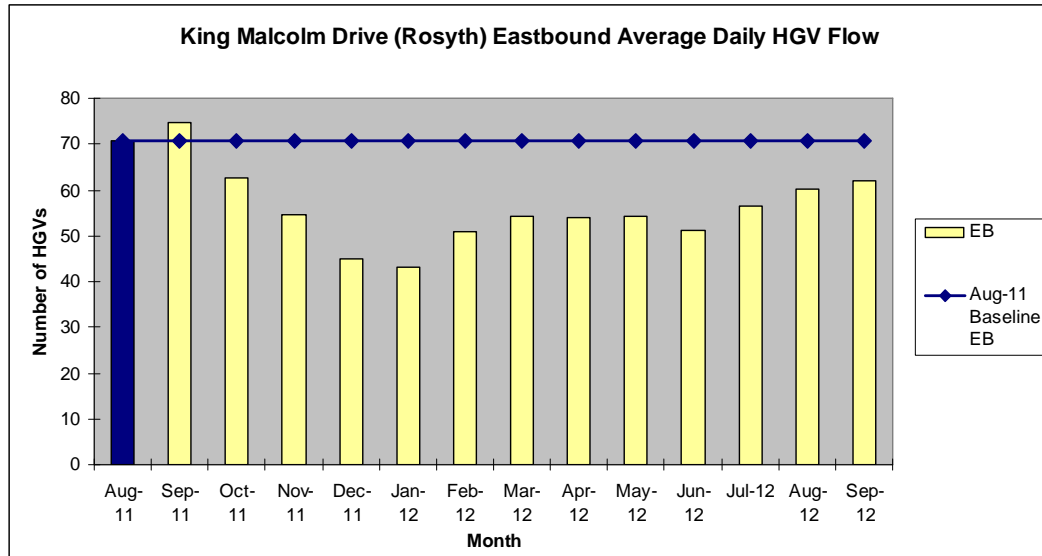


Figure 6-124 Monthly Eastbound HGVS Flows on the King Malcolm Drive (Rosyth)

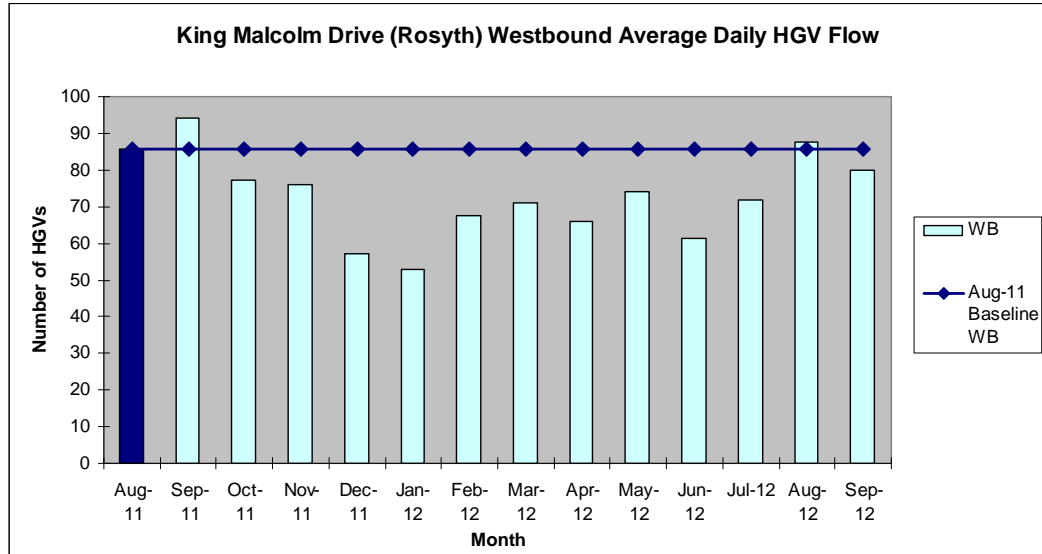


Figure 6-125 Monthly Westbound HGVS Flows on the King Malcolm Drive (Rosyth)

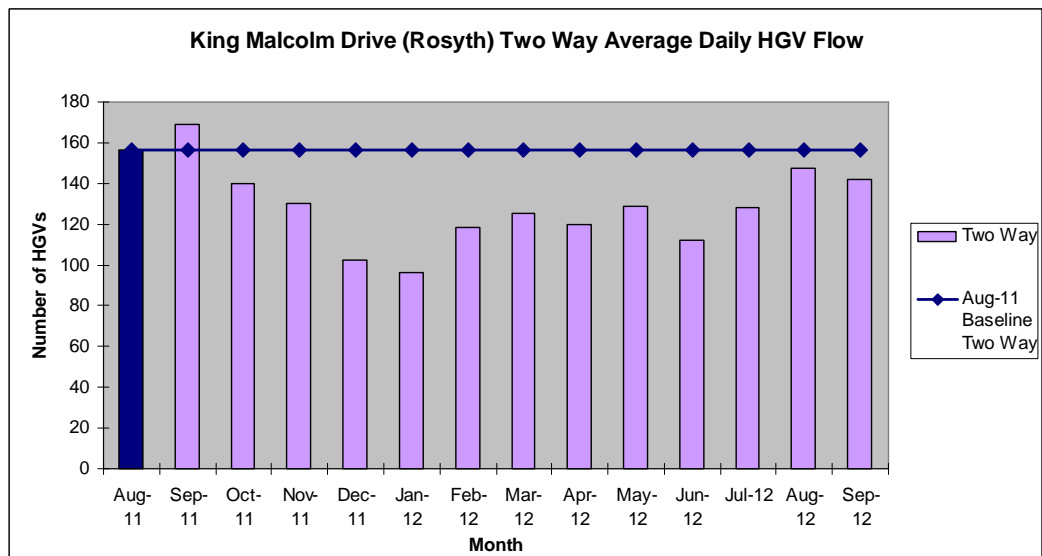


Figure 6-126 Monthly Two Way HGVS Flows on the King Malcolm Drive (Rosyth)

6.7.5 Monthly Average AM Peak HGV Flows

Table 6-47 Site: JTC00588 AM Peak HGV Traffic Flows – August 2011 to September 2012

Counter	Location	Date	EB	WB	Two Way
JTC00588	King Malcolm Drive (Rosyth)	Aug-11	20	18	38
		Sep-11	23	21	44
		Oct-11	17	17	35
		Nov-11	15	14	29
		Dec-11	12	12	24
		Jan-12	11	10	21
		Feb-12	15	12	27
		Mar-12	16	13	30
		Apr-12	15	16	31
		May-12	14	18	33
		Jun-12	15	13	28
		Jul-12	17	16	33
		Aug-12	16	19	35
		Sep-12	20	20	40
		Annual Average			16

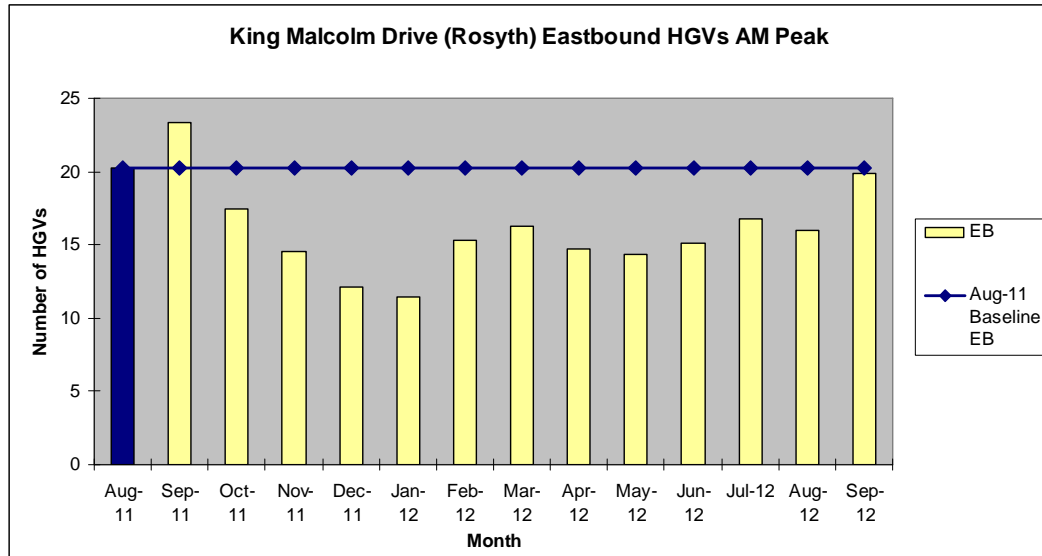


Figure 6-127 Monthly Eastbound AM Peak HGV Flows on the King Malcolm Drive (Rosyth)

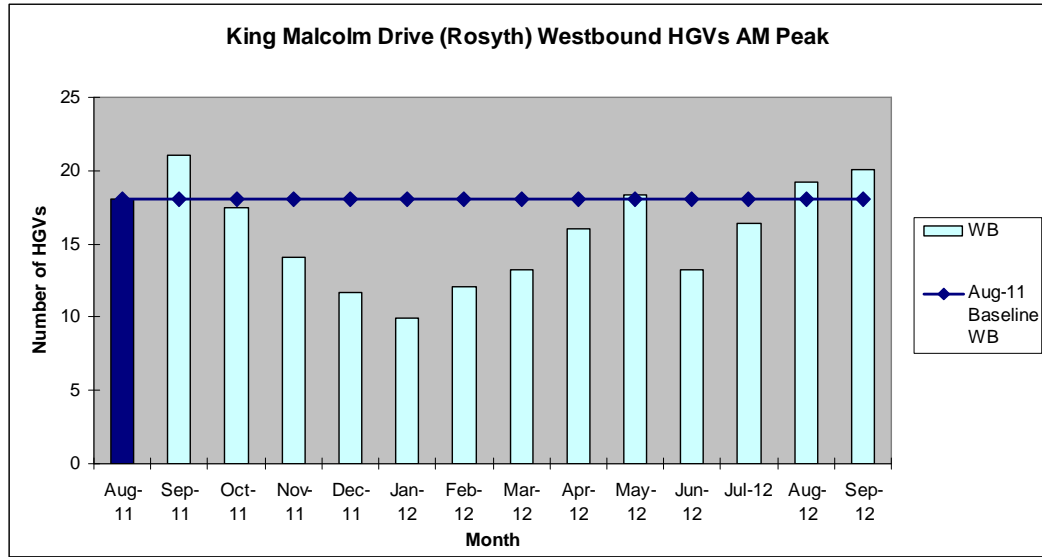


Figure 6-128 Monthly Westbound AM Peak HGV Flows on the King Malcolm Drive (Rosyth)

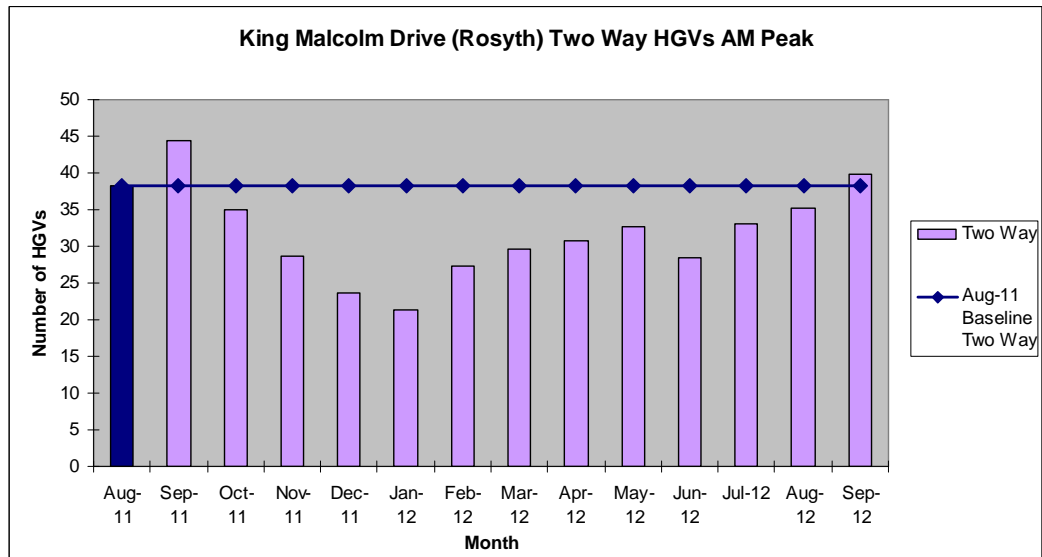


Figure 6-129 Monthly Two Way AM Peak HGV Flows on the King Malcolm Drive (Rosyth)

6.7.6 Monthly Average PM Peak HGV Flows

Table 6-48 Site: JTC00588 PM Peak HGV Traffic Flows – August 2011 to September 2012

Counter	Location	Date	EB	WB	Two Way
JTC00588	King Malcolm Drive (Rosyth)	Aug-11	9	12	21
		Sep-11	9	12	21
		Oct-11	8	11	18
		Nov-11	10	16	26
		Dec-11	8	10	18
		Jan-12	8	10	18
		Feb-12	9	13	22
		Mar-12	9	14	22
		Apr-12	6	9	15
		May-12	6	10	16
		Jun-12	6	9	15
		Jul-12	7	10	17
		Aug-12	8	14	22
		Sep-12	7	10	17
		Annual Average			8

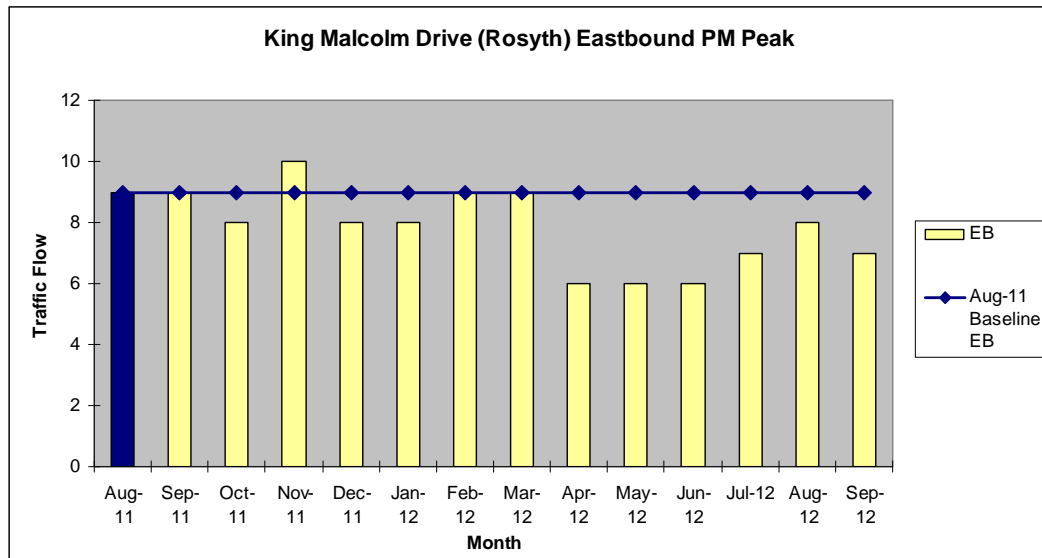


Figure 6-130 Monthly Eastbound PM HGV Peak Flows on the King Malcolm Drive (Rosyth)

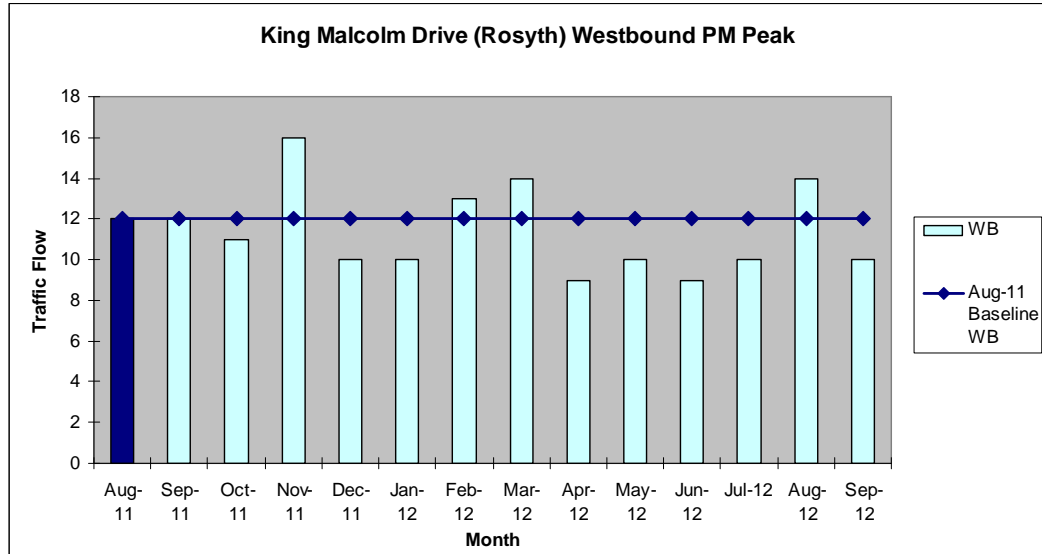


Figure 6-131 Monthly Westbound PM Peak HGV Flows on the King Malcolm Drive (Rosyth)

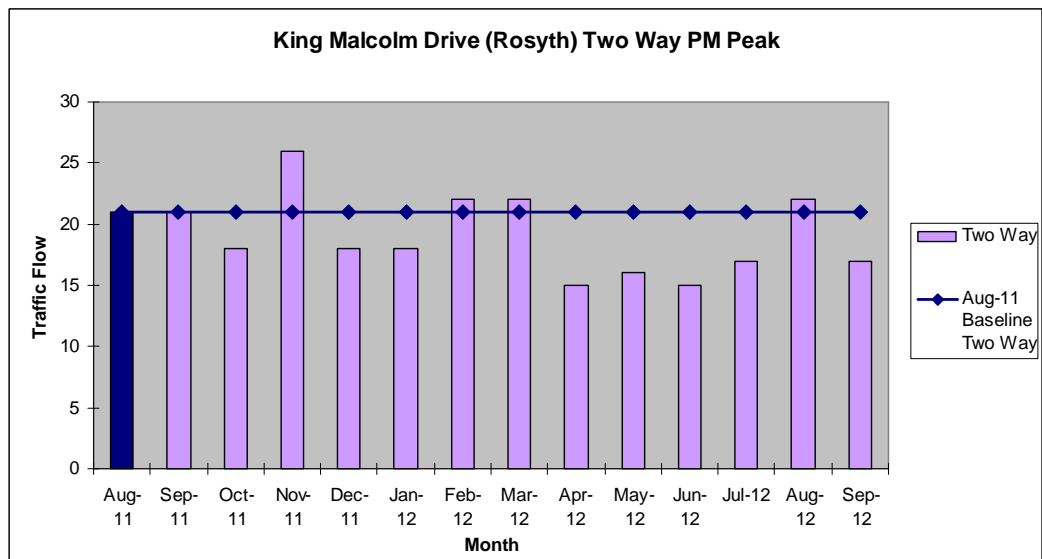


Figure 6-132 Monthly Two Way PM Peak HGV Flows on the King Malcolm Drive (Rosyth)

6.7.7 Monthly Average All Vehicles Traffic Speeds

Table 6-49 Site: JTC00588 Average Monthly Traffic Speeds (KPH) (All Vehicles) – August 2011 to September 2012

Counter	Location	Date	EB	WB
JTC00588	King Malcolm Drive (Rosyth)	Aug-11	42	45
		Sep-11	42	44
		Oct-11	41	44
		Nov-11	41	43
		Dec-11	39	41
		Jan-12	40	41
		Feb-12	40	43
		Mar-12	41	45
		Apr-12	41	45
		May-12	41	45
		Jun-12	40	45
		Jul-12	41	45
		Aug-12	40	45
Sep-12	41	44		

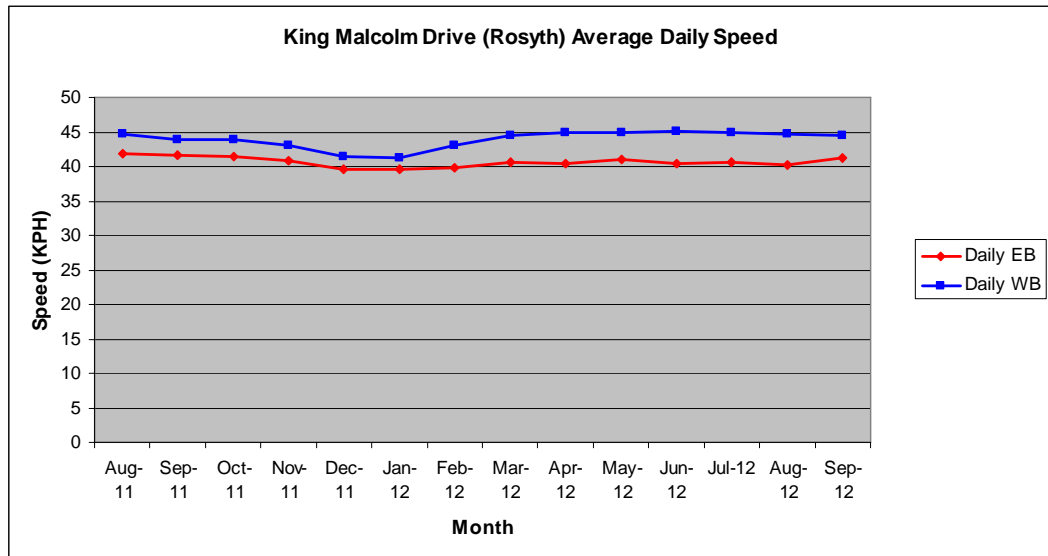


Figure 6-133 Average Monthly Traffic Speeds (KPH) on the King Malcolm Drive (Rosyth)

6.8 Traffic Counter JTC00593 – Main Street West (Dalmeny)

6.8.1 Monthly Average Traffic Flows

Table 3-50 Site: JTC00593 Annual Traffic Flows – August 2011 to September 2012

Counter	Location	Date	EB	WB	Two Way
JTC00593	Main Street West (Dalmeny)	Aug-11	518	372	890
		Sep-11	496	361	857
		Oct-11	543	330	873
		Nov-11	562	351	913
		Dec-11	403	267	670
		Jan-12	434	292	727
		Feb-12	439	307	746
		Mar-12	469	336	805
		Apr-12	421	309	731
		May-12	510	362	872
		Jun-12	484	341	825
		Jul-12	433	308	741
		Aug-12	534	397	931
		Sep-12	440	281	721
		Annual Average			476

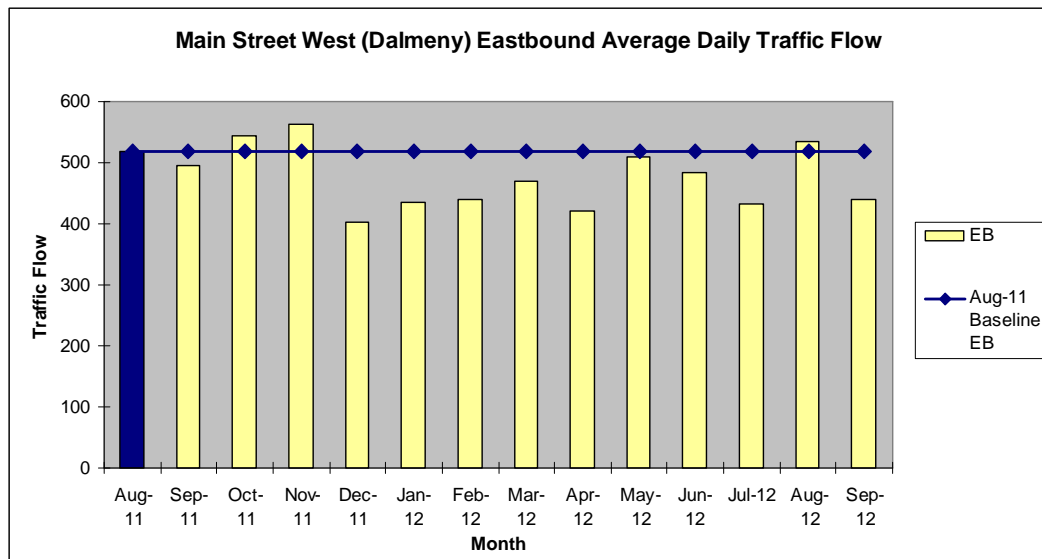


Figure 6-134 Monthly Eastbound AADTs on the Main Street West (Dalmeny)

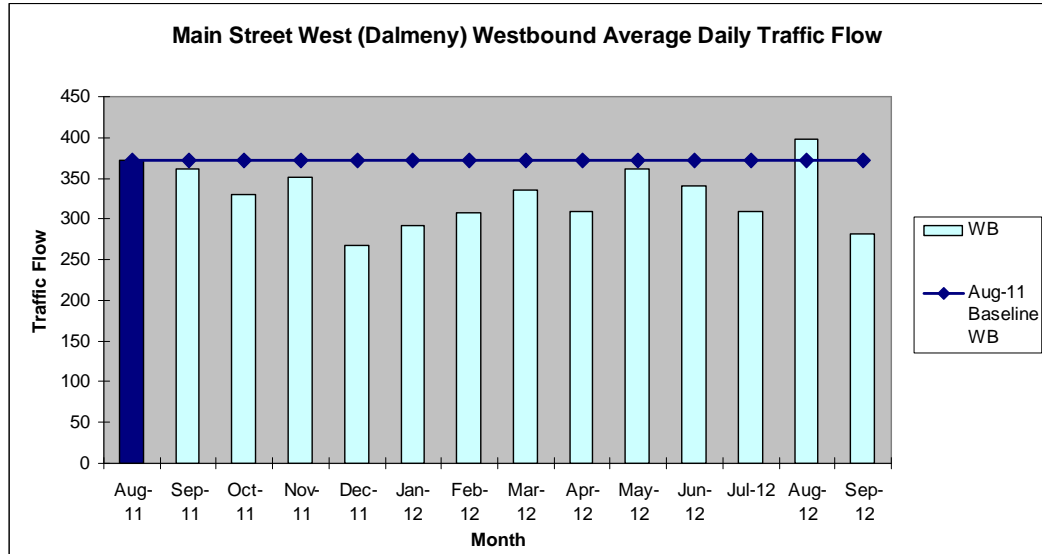


Figure 6-135 Monthly Westbound AADTs on the Main Street West (Dalmeny)

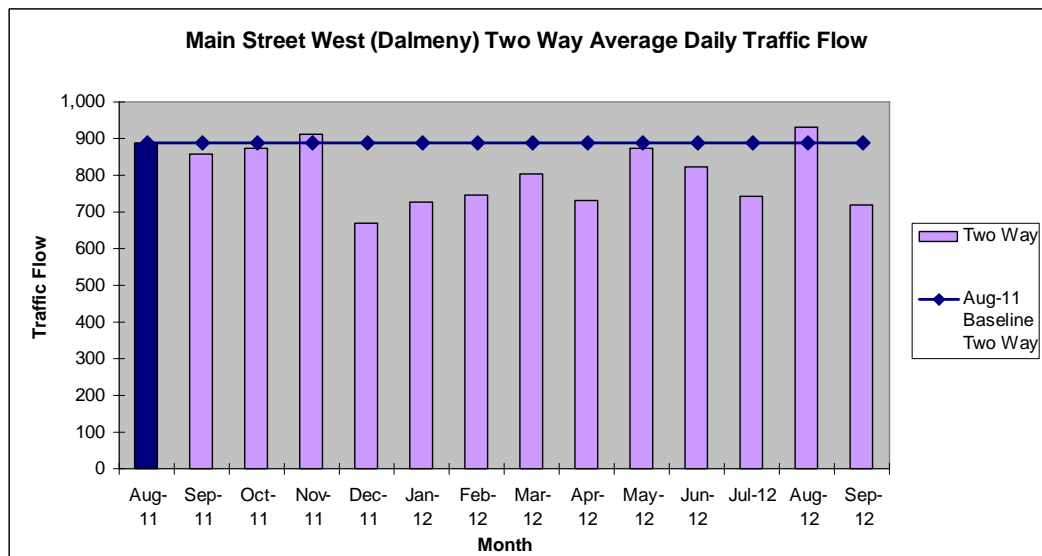


Figure 6-136 Monthly Two Way Daily Traffic Flows on the Main Street West (Dalmeny)

6.8.2 Monthly Average AM Peak Traffic Flows

Table 6-51 Site: JTC00593 AM Peak Traffic Flows – August 2011 to September 2012

Counter	Location	Date	EB	WB	Two Way
JTC00593	Main Street West (Dalmeny)	Aug-11	51	76	126
		Sep-11	55	81	137
		Oct-11	52	73	125
		Nov-11	35	65	100
		Dec-11	31	46	77
		Jan-12	30	50	79
		Feb-12	36	58	95
		Mar-12	45	68	113
		Apr-12	43	70	113
		May-12	58	84	142
		Jun-12	57	77	134
		Jul-12	39	66	104
		Aug-12	58	84	143
		Sep-12	60	59	118
		Annual Average			44

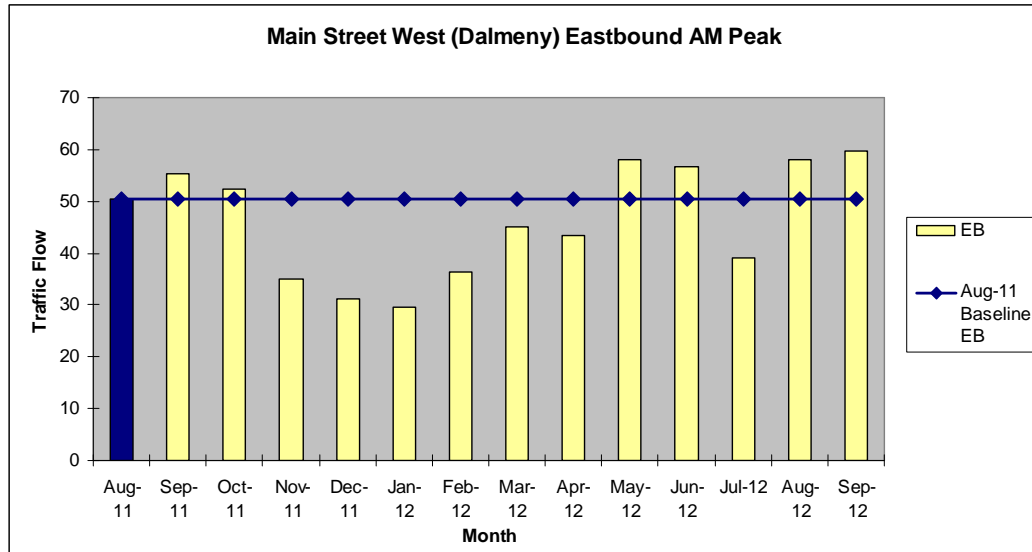


Figure 6-137 Monthly Eastbound AM Peak Flows on the Main Street West (Dalmeny)

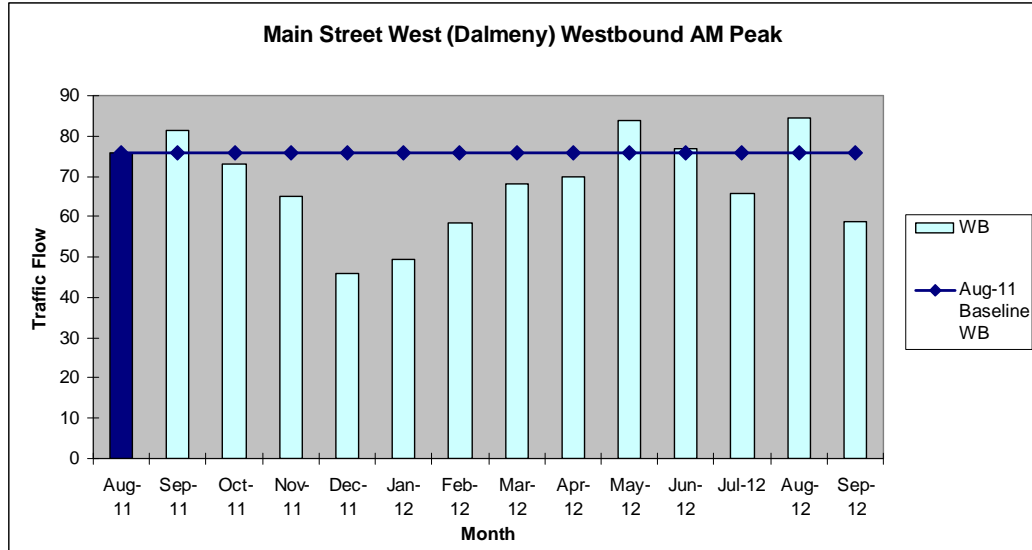


Figure 6-138 Monthly Westbound AM Peak Flows on the Main Street West (Dalmeny)

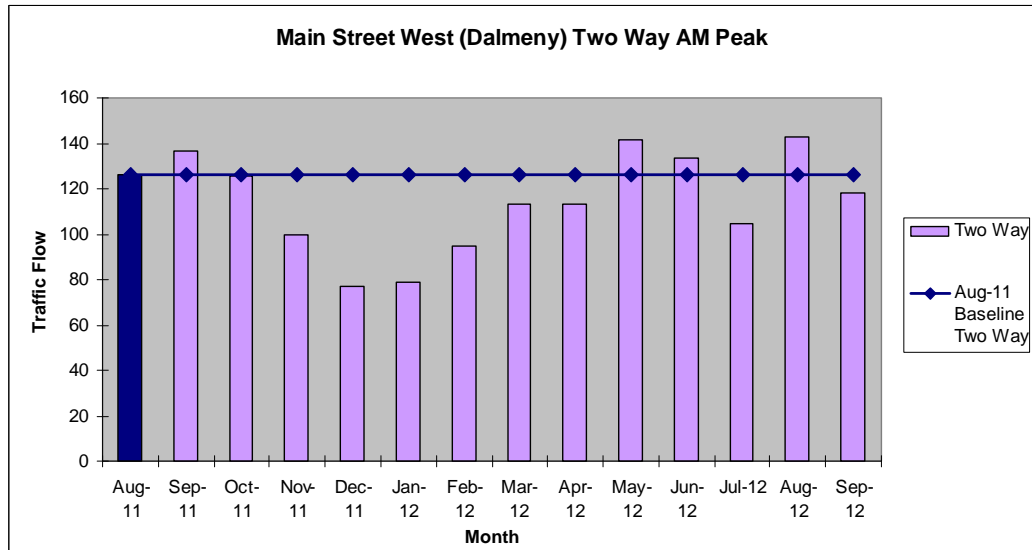


Figure 6-139 Monthly Two Way AM Peak Flows on the Main Street West (Dalmeny)

6.8.3 Monthly Average PM Peak Traffic Flows

Table 6-52 Site: JTC00593 PM Peak Traffic Flows – August 2011 to September 2012

Counter	Location	Date	EB	WB	Two Way
JTC00593	Main Street West (Dalmeny)	Aug-11	179	75	254
		Sep-11	169	70	239
		Oct-11	166	59	225
		Nov-11	161	73	235
		Dec-11	116	51	166
		Jan-12	137	63	200
		Feb-12	138	61	199
		Mar-12	147	70	216
		Apr-12	131	60	191
		May-12	178	77	255
		Jun-12	159	67	225
		Jul-12	143	63	206
		Aug-12	173	81	254
		Sep-12	129	55	184
		Annual Average			152

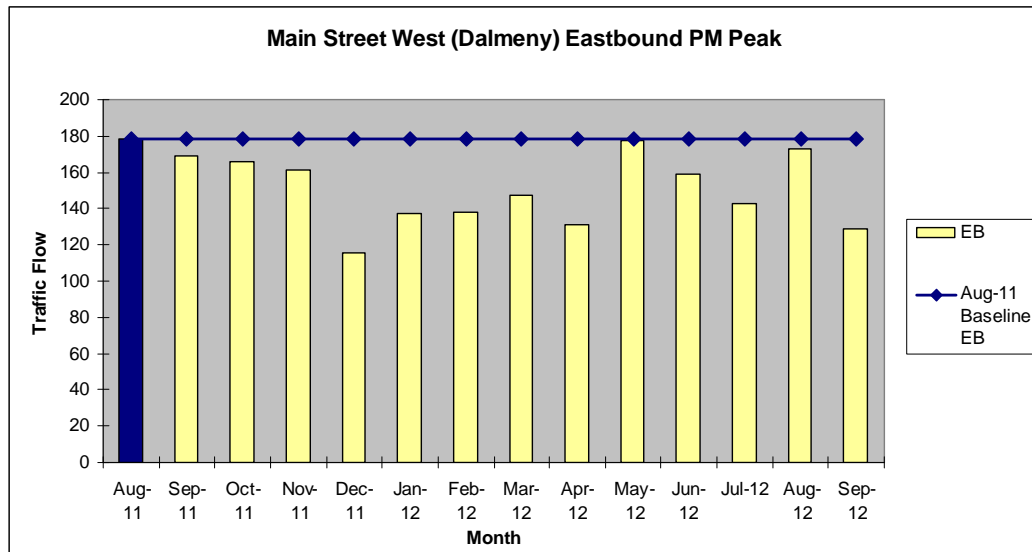


Figure 6-140 Monthly Eastbound PM Peak Flows on the Main Street West (Dalmeny)

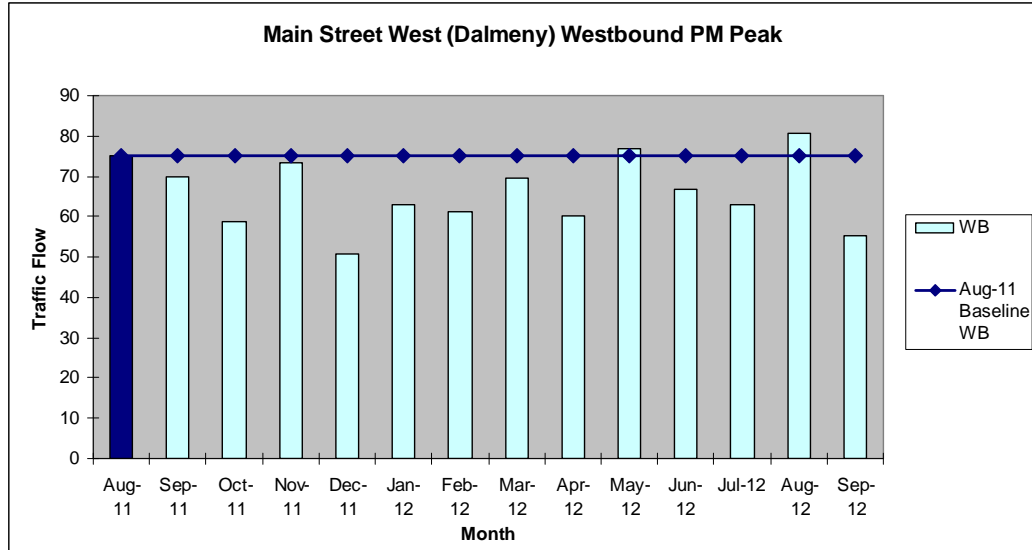


Figure 6-141 Monthly Westbound PM Peak Flows on the Main Street West (Dalmeny)

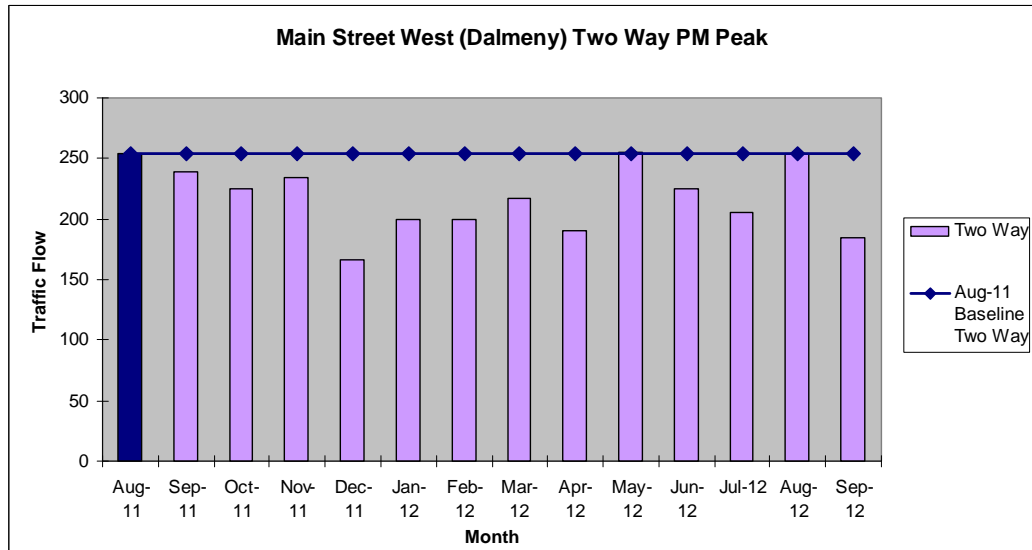


Figure 6-142 Monthly Two Way PM Peak Flows on the Main Street West (Dalmeny)

6.8.4 Monthly Average HGV Flows

Table 6-53 Site: JTC00593 Annual HGV Traffic Flows – August 2011 to September 2012

Counter	Location	Date	EB	WB	Two Way
JTC00593	Main Street West (Dalmeny)	Aug-11	36	24	59
		Sep-11	34	23	57
		Oct-11	36	20	57
		Nov-11	34	21	54
		Dec-11	27	16	43
		Jan-12	35	19	54
		Feb-12	No Data	No Data	No Data
		Mar-12	37	23	60
		Apr-12	32	17	50
		May-12	33	16	50
		Jun-12	31	17	48
		Jul-12	30	19	49
		Aug-12	28	17	45
		Sep-12	22	12	34
			Annual Average	33	20

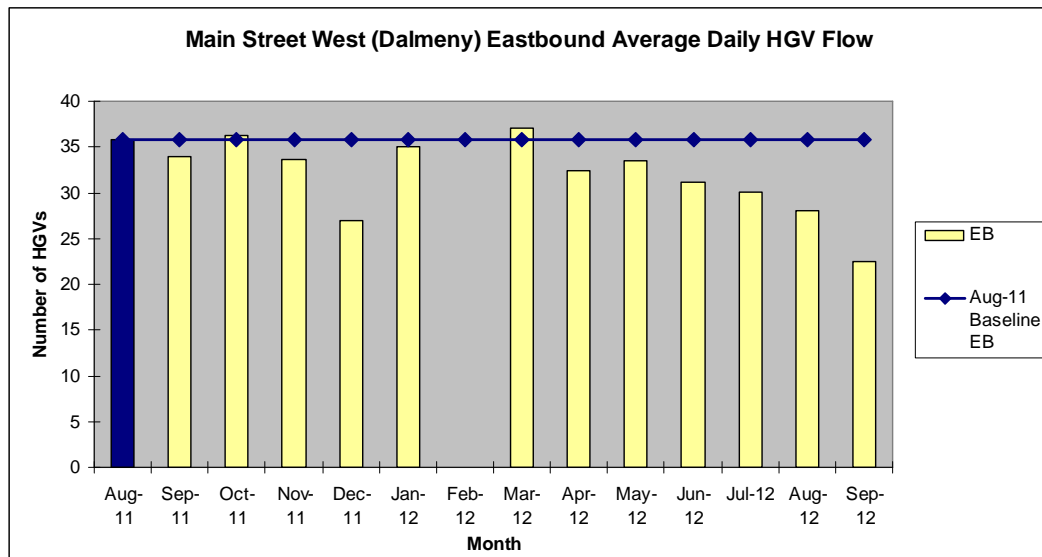


Figure 6-143 Monthly Eastbound HGV Flows on the Main Street West (Dalmeny)

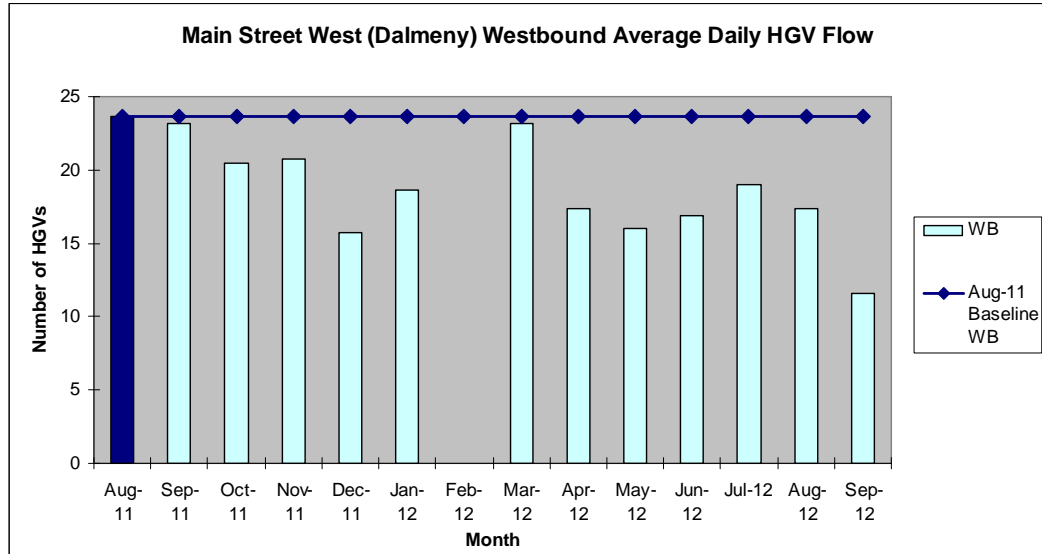


Figure 6-144 Monthly Westbound HGV Flows on the Main Street West (Dalmeny)

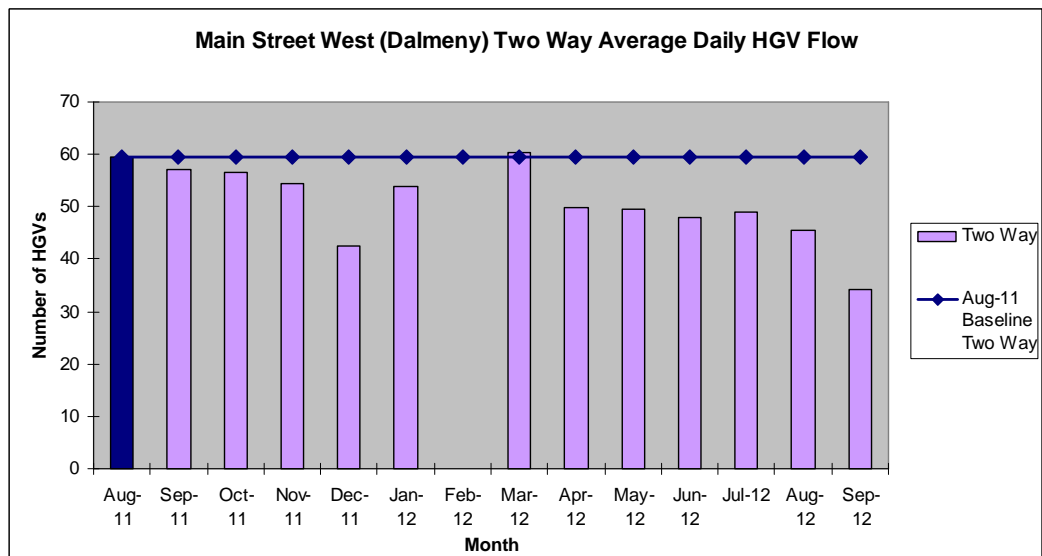


Figure 6-145 Monthly Two Way HGV Flows on the Main Street West (Dalmeny)

6.8.5 Monthly Average AM Peak HGV Flows

Table 6-54 Site: JTC00593 AM Peak HGV Traffic Flows – August 2011 to September 2012

Counter	Location	Date	EB	WB	Two Way
JTC00593	Main Street West (Dalmeny)	Aug-11	5	5	10
		Sep-11	4	5	9
		Oct-11	5	4	8
		Nov-11	2	4	6
		Dec-11	2	3	5
		Jan-12	2	3	5
		Feb-12	No Data	No Data	No Data
		Mar-12	3	4	7
		Apr-12	5	3	8
		May-12	6	3	9
		Jun-12	5	3	8
		Jul-12	4	3	7
		Aug-12	4	3	7
		Sep-12	4	2	6
		Annual Average	4	4	8

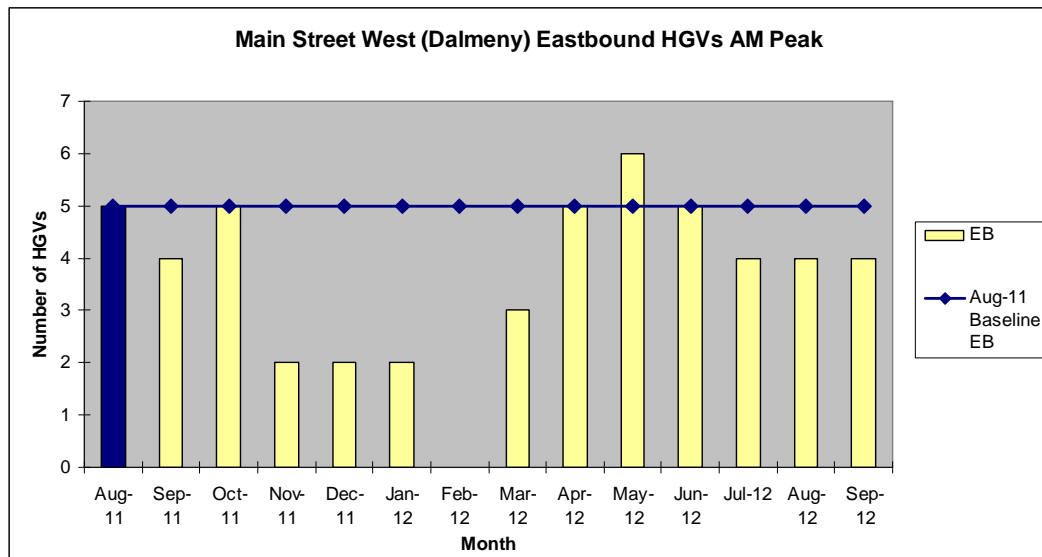


Figure 6-146 Monthly Eastbound AM Peak HGV Flows on the Main Street West (Dalmeny)

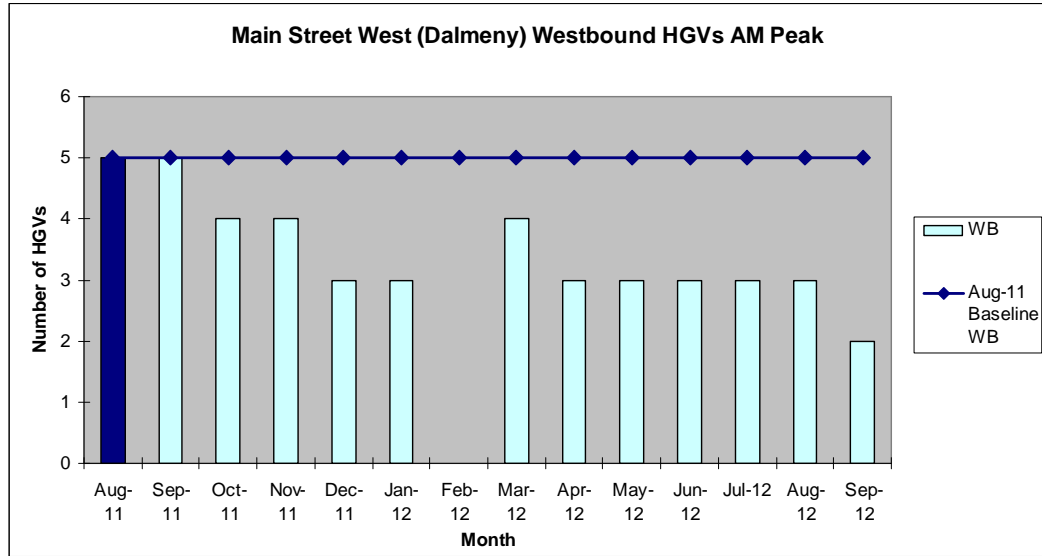


Figure 6-147 Monthly Westbound AM Peak HGV Flows on the Main Street West (Dalmeny)

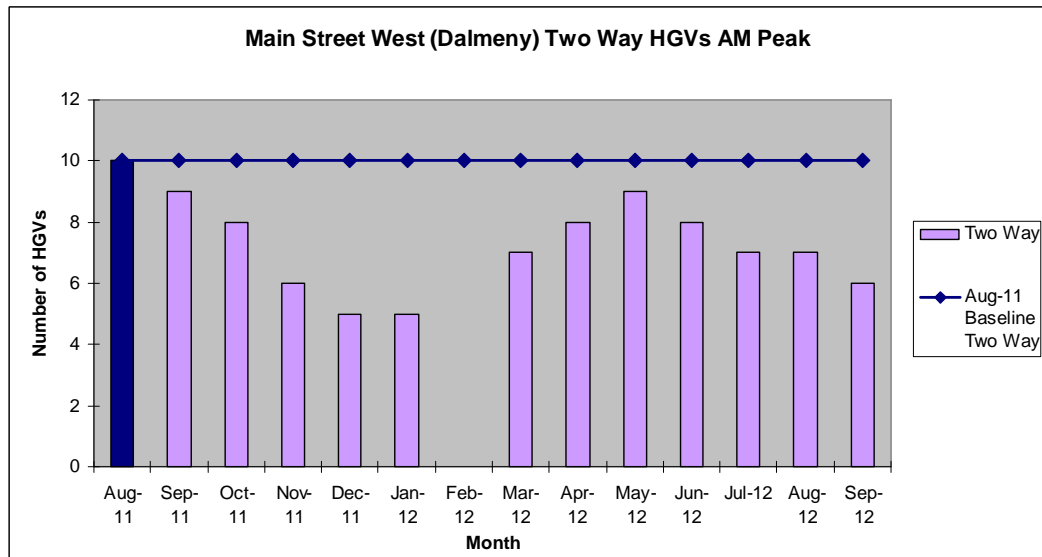


Figure 6-148 Monthly Two Way AM Peak HGV Flows on the Main Street West (Dalmeny)

6.8.6 Monthly Average PM Peak HGV Flows

Table 6-55 Site: JTC00593 PM Peak HGV Traffic Flows – August 2011 to September 2012

Counter	Location	Date	EB	WB	Two Way
JTC00593	Main Street West (Dalmeny)	Aug-11	8	5	13
		Sep-11	8	4	12
		Oct-11	8	4	12
		Nov-11	7	4	11
		Dec-11	5	3	8
		Jan-12	7	4	11
		Feb-12	No Data	No Data	No Data
		Mar-12	8	5	13
		Apr-12	8	4	12
		May-12	8	3	11
		Jun-12	8	3	11
		Jul-12	7	4	11
		Aug-12	7	4	10
		Sep-12	5	2	7
		Annual Average	7	4	11

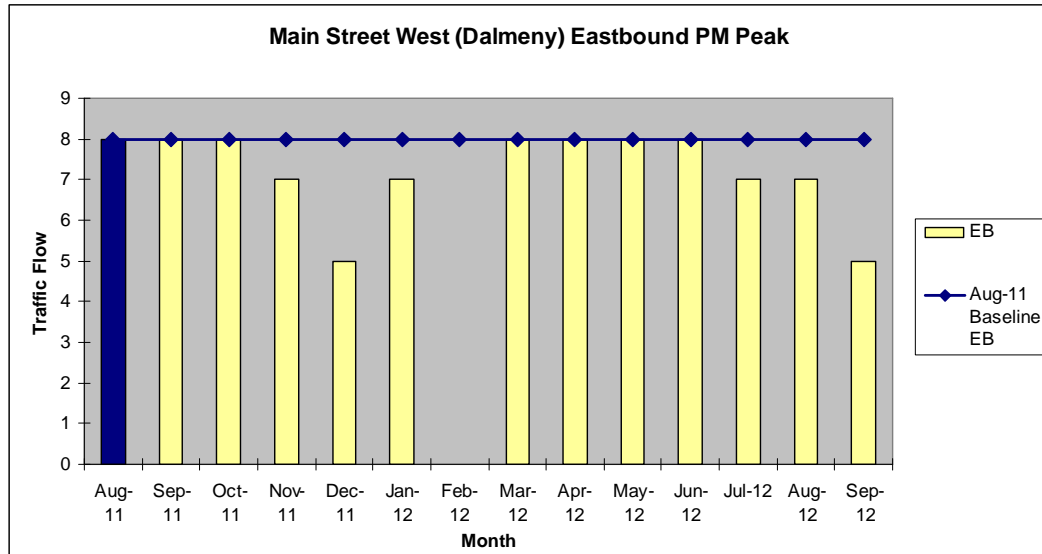


Figure 6-149 Monthly Eastbound PM HGV Peak Flows on the Main Street West (Dalmeny)

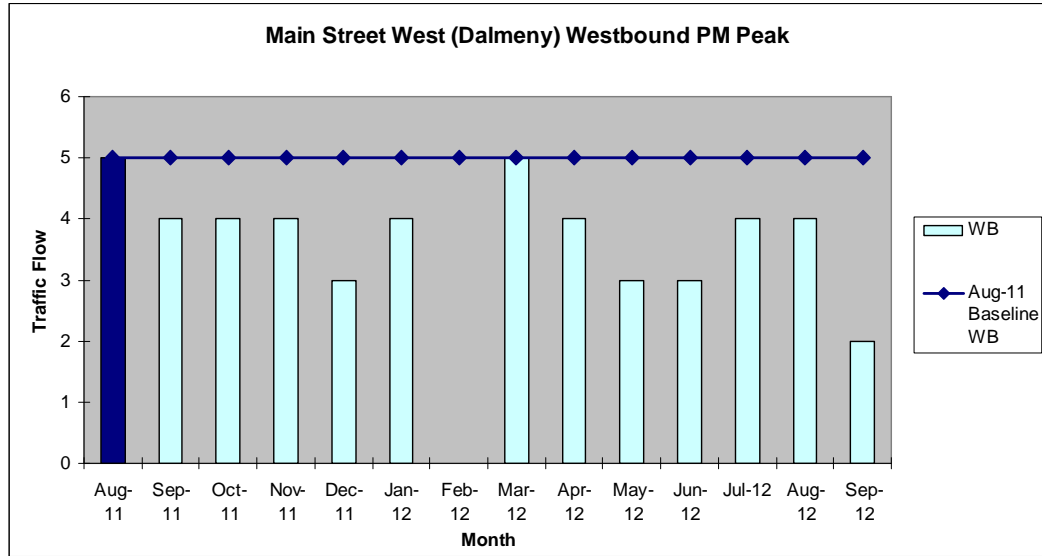


Figure 6-150 Monthly Westbound PM Peak HGV Flows on the Main Street West (Dalmeny)

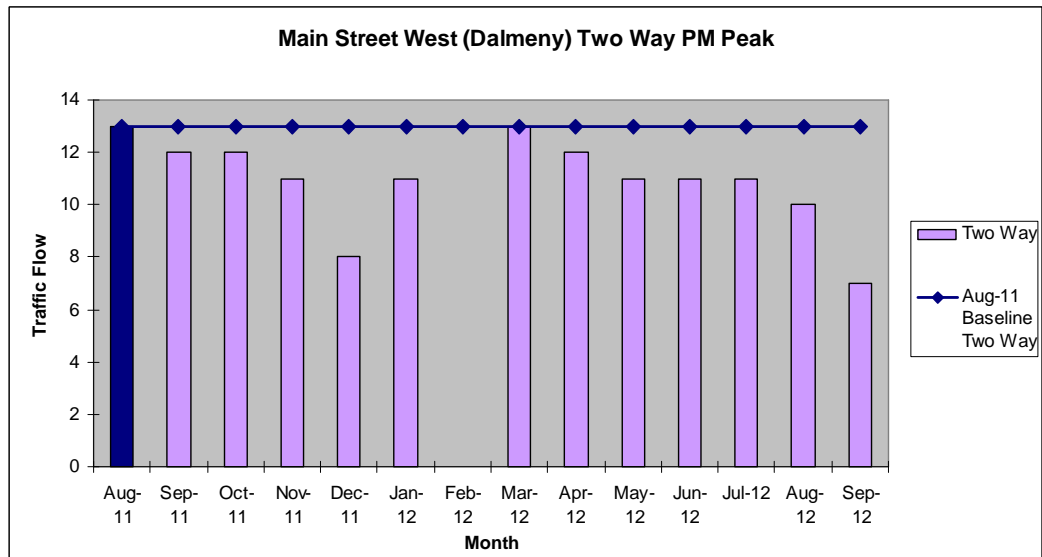


Figure 6-151 Monthly Two Way PM Peak HGV Flows on the Main Street West (Dalmeny)

6.8.7 Monthly Average All Vehicles Traffic Speeds

Table 6-56 Site: JTC00593 Average Monthly Traffic Speeds (KPH) (All Vehicles) – August 2011 to September 2012

Counter	Location	Date	EB	WB
JTC00593	Main Street West (Dalmeny)	Aug-11	51	48
		Sep-11	51	48
		Oct-11	51	50
		Nov-11	51	49
		Dec-11	46	44
		Jan-12	48	46
		Feb-12	No Data	No Data
		Mar-12	49	47
		Apr-12	51	48
		May-12	50	47
		Jun-12	52	48
		Jul-12	51	48
		Aug-12	53	47
Sep-12	40	31		

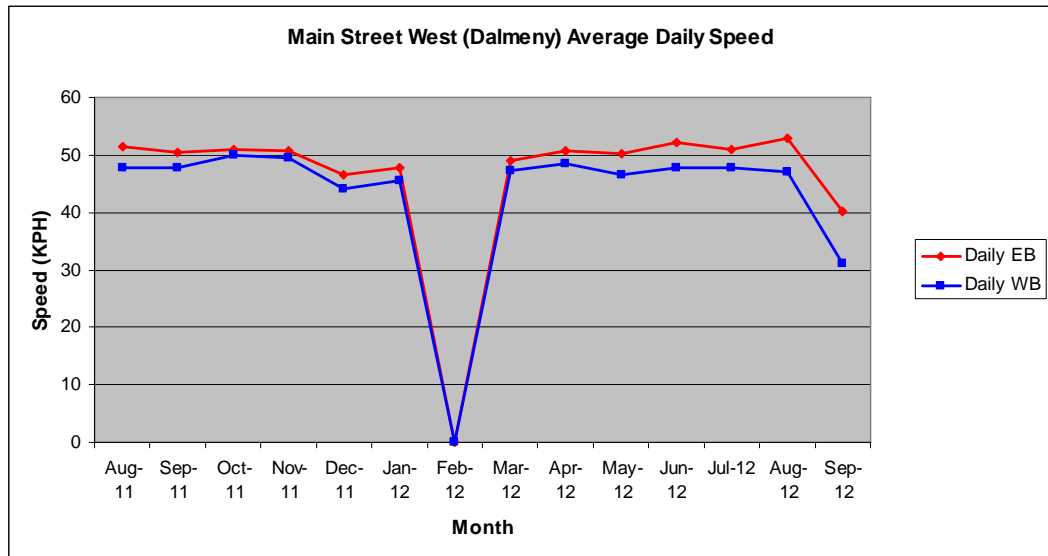


Figure 6-152 Average Monthly Traffic Speeds (KPH) on the Main Street West (Dalmeny)

6.9 Traffic Counter JTC00596 – Society Road (South Queensferry)

6.9.1 Monthly Average Traffic Flows

Table 3-57 Site: JTC00596 Annual Traffic Flows – August 2011 to September 2012

Counter	Location	Date	EB	WB	Two Way
JTC00596	Society Road (South Queensferry)	Aug-11	756	672	1,427
		Sep-11	677	617	1,294
		Oct-11	No Data	No Data	No Data
		Nov-11	No Data	No Data	No Data
		Dec-11	No Data	No Data	No Data
		Jan-12	533	508	1,041
		Feb-12	590	535	1,125
		Mar-12	629	582	1,211
		Apr-12	633	576	1,209
		May-12	776	590	1,366
		Jun-12	801	526	1,326
		Jul-12	631	579	1,211
		Aug-12	763	686	1,449
		Sep-12	680	580	1,260
			Annual Average		669

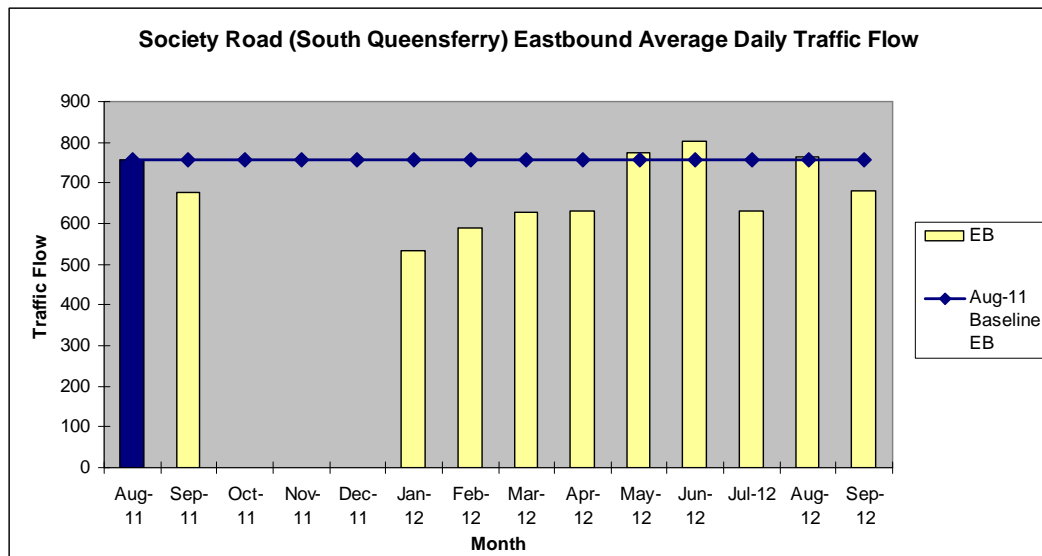


Figure 6-153 Monthly Eastbound AADTs on the Society Road (South Queensferry)

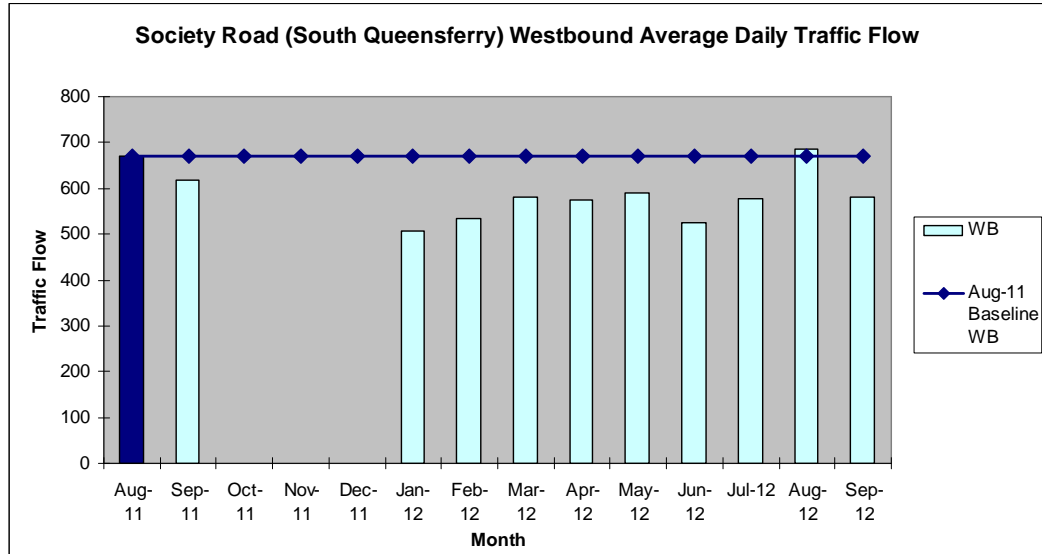


Figure 6-154 Monthly Westbound AADTs on the Society Road (South Queensferry)

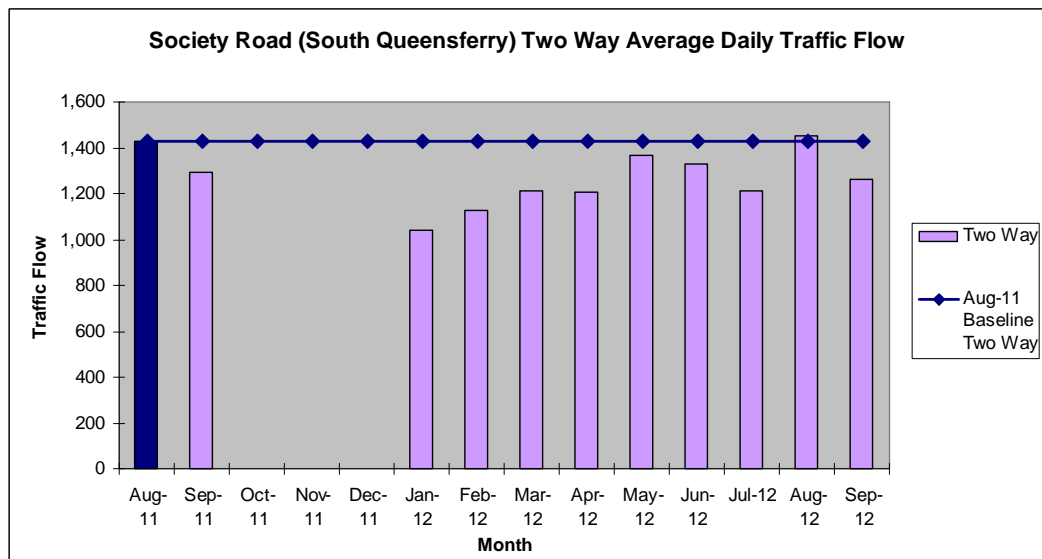


Figure 6-155 Monthly Two Way Daily Traffic Flows on the Society Road (South Queensferry)

6.9.2 Monthly Average AM Peak Traffic Flows

Table 6-58 Site: JTC00596 AM Peak Traffic Flows – August 2011 to September 2012

Counter	Location	Date	EB	WB	Two Way
JTC00596	Society Road (South Queensferry)	Aug-11	118	76	194
		Sep-11	126	74	200
		Oct-11	No Data	No Data	No Data
		Nov-11	No Data	No Data	No Data
		Dec-11	No Data	No Data	No Data
		Jan-12	81	26	108
		Feb-12	103	32	136
		Mar-12	113	41	154
		Apr-12	115	60	175
		May-12	138	69	207
		Jun-12	138	60	197
		Jul-12	99	57	157
		Aug-12	119	83	202
		Sep-12	123	70	193
	Annual Average		115	55	170

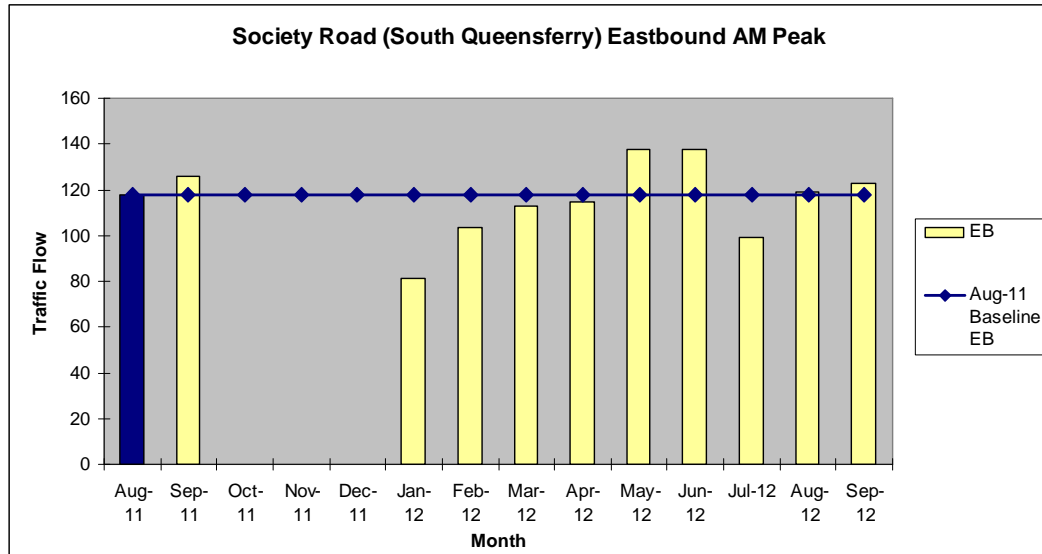


Figure 6-156 Monthly Eastbound AM Peak Flows on Society Road (South Queensferry)

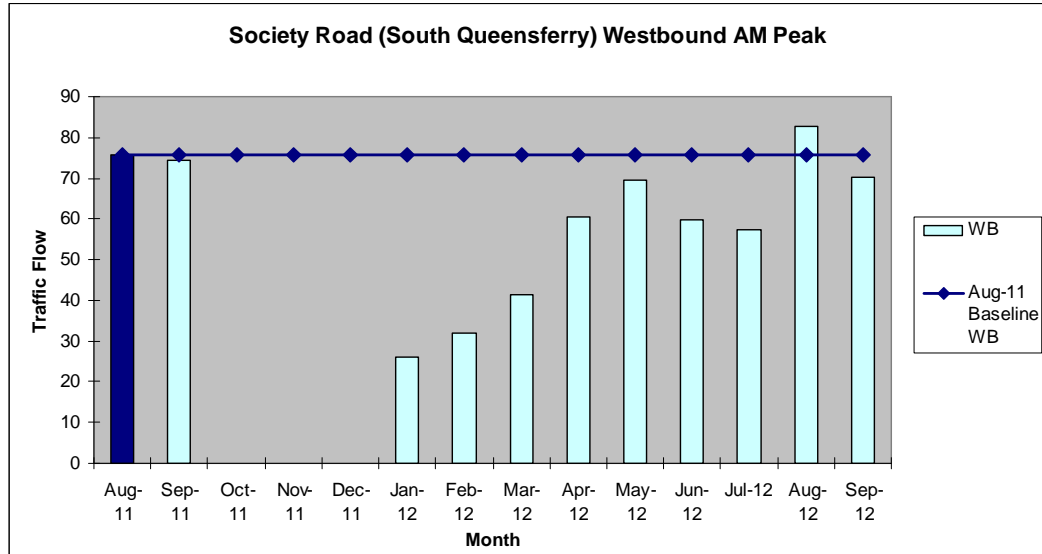


Figure 6-157 Monthly Westbound AM Peak Flows on the Society Road (South Queensferry)

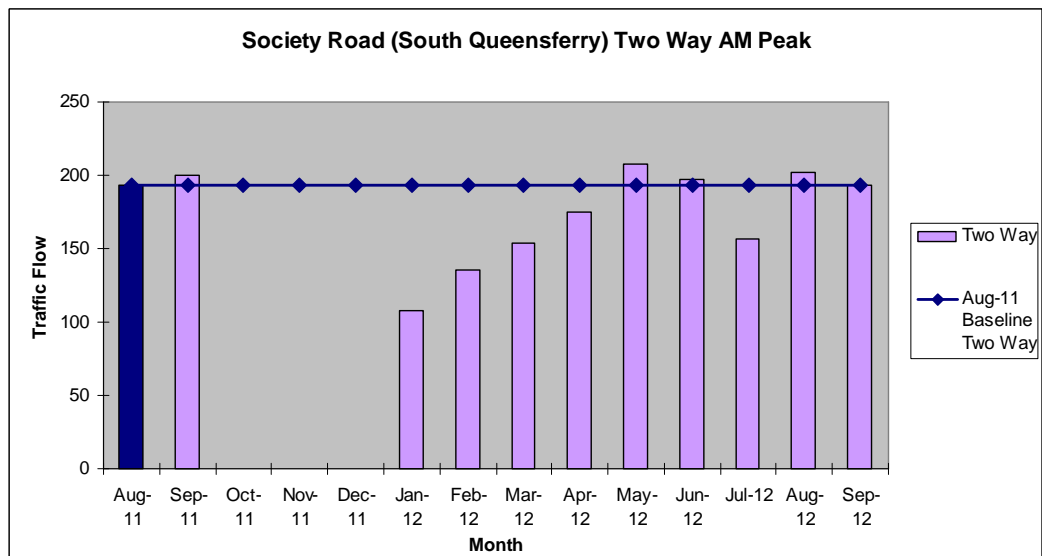


Figure 6-158 Monthly Two Way AM Peak Flows on the Society Road (South Queensferry)

6.9.3 Monthly Average PM Peak Traffic Flows

Table 6-59 Site: JTC00596 PM Peak Traffic Flows – August 2011 to September 2012

Counter	Location	Date	EB	WB	Two Way
JTC00596	Society Road (South Queensferry)	Aug-11	154	150	305
		Sep-11	148	143	292
		Oct-11	No Data	No Data	No Data
		Nov-11	No Data	No Data	No Data
		Dec-11	No Data	No Data	No Data
		Jan-12	124	138	262
		Feb-12	118	132	250
		Mar-12	129	156	285
		Apr-12	137	140	278
		May-12	174	139	312
		Jun-12	173	123	297
		Jul-12	134	137	270
		Aug-12	170	146	316
		Sep-12	151	140	291
			Annual Average	143	140

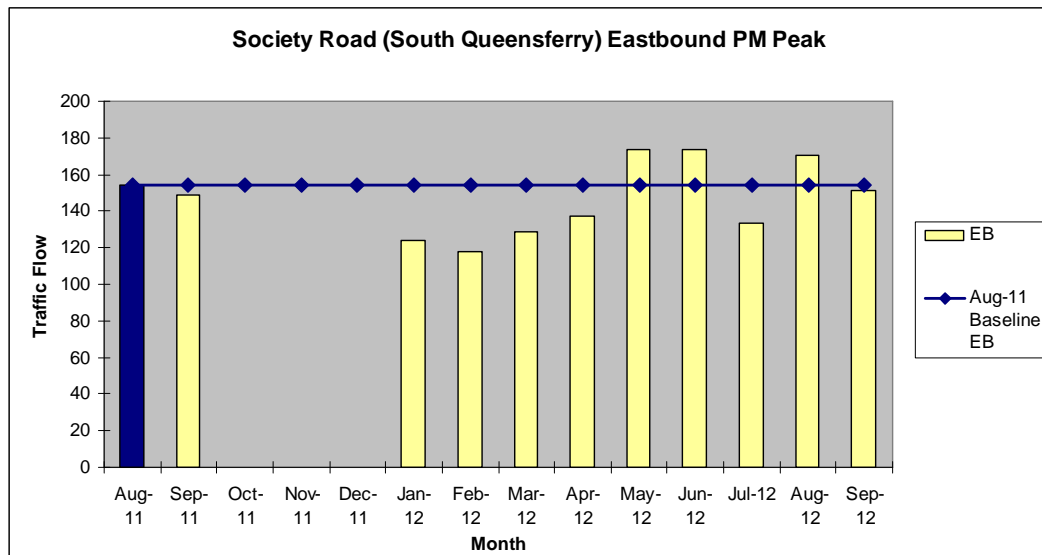


Figure 6-159 Monthly Eastbound PM Peak Flows on the Society Road (South Queensferry)

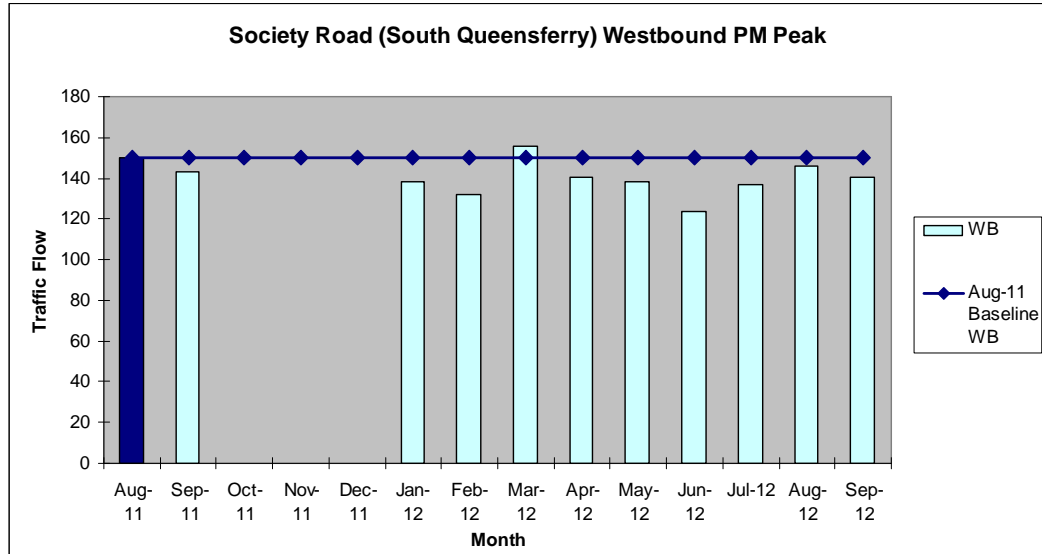


Figure 6-160 Monthly Westbound PM Peak Flows on the Society Road (South Queensferry)

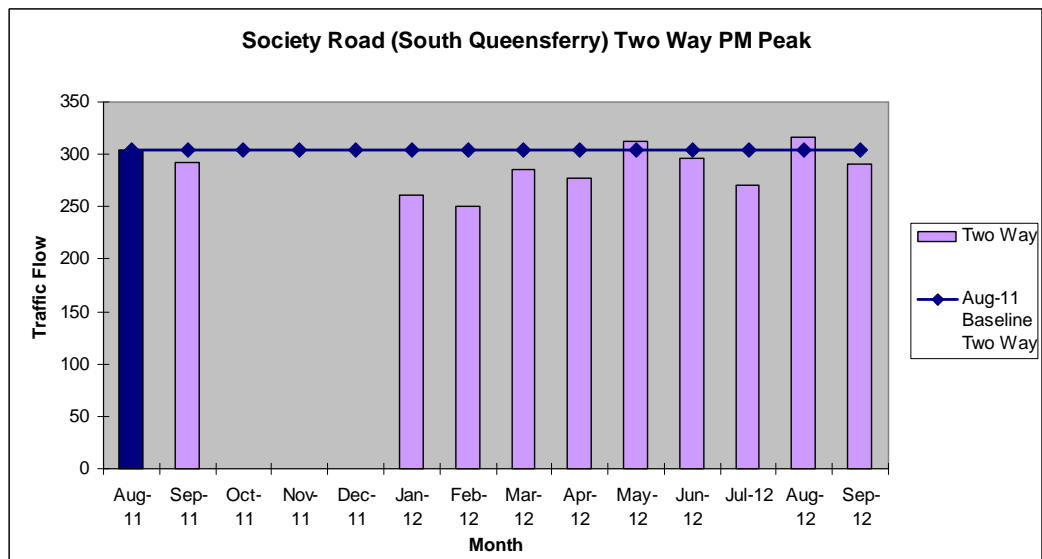


Figure 6-161 Monthly Two Way PM Peak Flows on the Society Road (South Queensferry)

6.9.4 Monthly Average HGV Flows

Table 6-60 Site: JTC00596 Annual HGV Traffic Flows – August 2011 to September 2012

Counter	Location	Date	EB	WB	Two Way
JTC00596	Society Road (South Queensferry)	Aug-11	1	1	2
		Sep-11	0	0	1
		Oct-11	0	0	0
		Nov-11	0	0	0
		Dec-11	0	0	0
		Jan-12	0	0	0
		Feb-12	0	0	0
		Mar-12	0	0	0
		Apr-12	0	0	0
		May-12	0	1	1
		Jun-12	0	1	1
		Jul-12	0	1	1
		Aug-12	1	2	3
		Sep-12	0	0	0
Annual Average			0	0	1

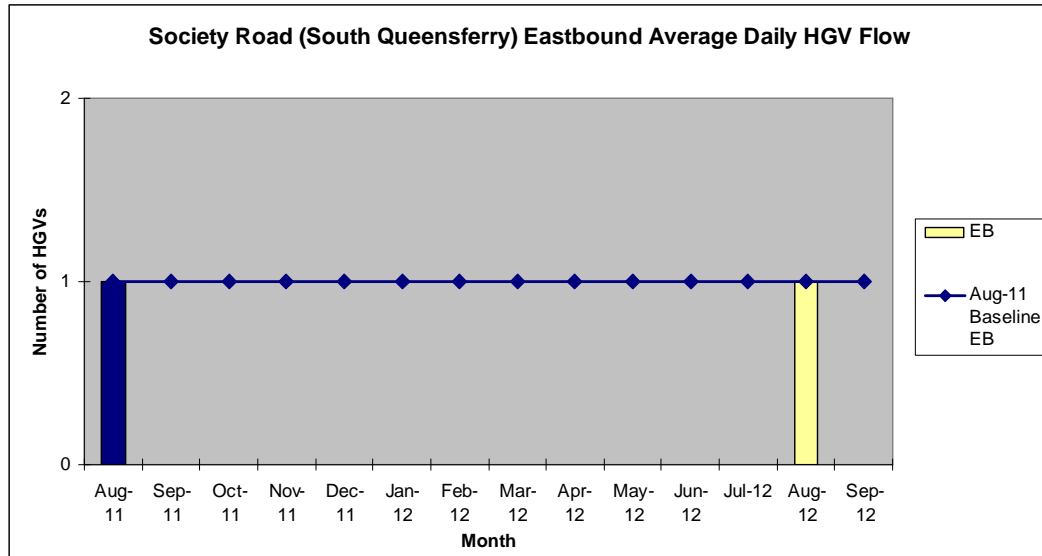


Figure 6-162 Monthly Eastbound HGV Flows on the Society Road (South Queensferry)

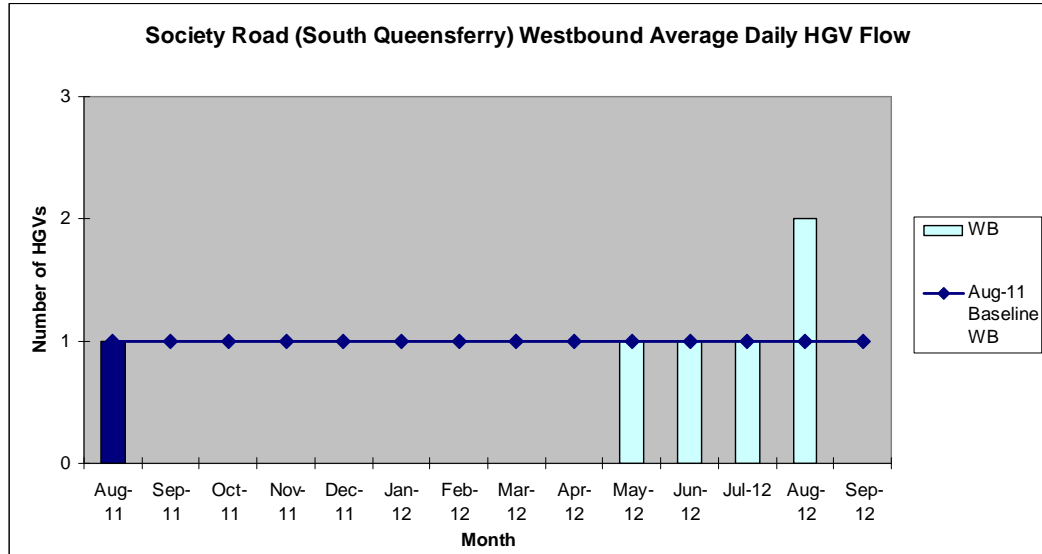


Figure 6-163 Monthly Westbound HGVS on the Society Road (South Queensferry)

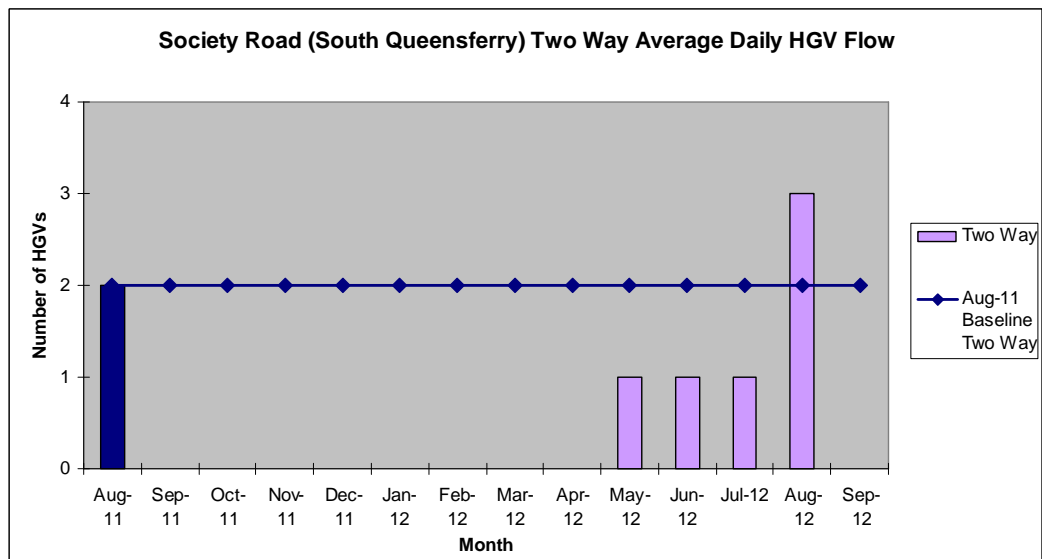


Figure 6-164 Monthly Two Way HGVS on the Society Road (South Queensferry)

6.9.5 Monthly Average AM Peak HGV Flows

Table 6-61 Site: JTC00596 AM Peak HGV Traffic Flows – August 2011 to September 2012

Counter	Location	Date	EB	WB	Two Way
JTC00596	Society Road (South Queensferry)	Aug-11	0	0	0
		Sep-11	0	0	0
		Oct-11	0	0	0
		Nov-11	0	0	0
		Dec-11	0	0	0
		Jan-12	0	0	0
		Feb-12	0	0	0
		Mar-12	0	0	0
		Apr-12	0	0	0
		May-12	0	0	0
		Jun-12	0	0	0
		Jul-12	0	0	0
		Aug-12	0	0	0
		Sep-12	0	0	0
Annual Average			0	0	0

6.9.6 Monthly Average PM Peak HGV Flows

Table 6-62 Site: JTC00596 PM Peak HGV Traffic Flows – August 2011 to September 2012

Counter	Location	Date	EB	WB	Two Way
JTC00596	Society Road (South Queensferry)	Aug-11	0	0	0
		Sep-11	0	0	0
		Oct-11	0	0	0
		Nov-11	0	0	0
		Dec-11	0	0	0
		Jan-12	0	0	0
		Feb-12	0	0	0
		Mar-12	0	0	0
		Apr-12	0	0	0
		May-12	0	0	0
		Jun-12	0	0	0
		Jul-12	0	0	0
		Aug-12	0	0	0
		Sep-12	0	0	0
Annual Average			0	0	0

6.9.7 Monthly Average All Vehicles Traffic Speeds

Table 6-63 Site: JTC00596 Average Monthly Traffic Speeds (KPH) (All Vehicles) – August 2011 to September 2012

Counter	Location	Date	EB	WB
JTC00596	Society Road (South Queensferry)	Aug-11	36	35
		Sep-11	37	35
		Oct-11	32	29
		Nov-11	33	32
		Dec-11	30	29
		Jan-12	33	31
		Feb-12	36	34
		Mar-12	36	35
		Apr-12	36	35
		May-12	36	34
		Jun-12	35	31
		Jul-12	36	35
		Aug-12	35	35
Sep-12	36	34		

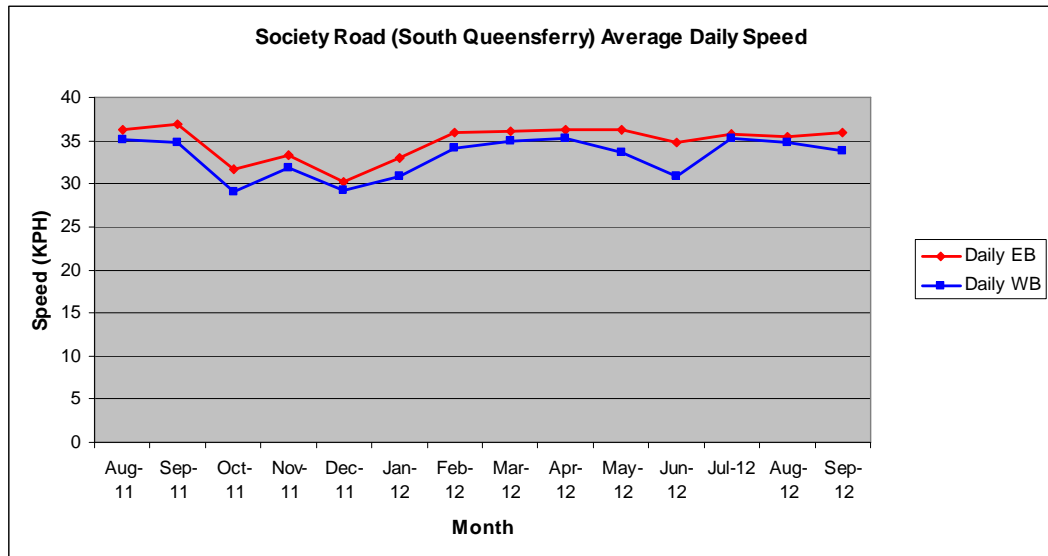


Figure 6-165 Average Monthly Traffic Speeds (KPH) on the Society Road (South Queensferry)

6.10 Traffic Counter JTC00597 – Society Road (South Queensferry)

6.10.1 Monthly Average Traffic Flows

Table 3-64 Site: JTC00597 Annual Traffic Flows – August 2011 to September 2012

Counter	Location	Date	EB	WB	Two Way
JTC00597	Society Road (South Queensferry)	Aug-11	378	368	746
		Sep-11	311	305	616
		Oct-11	255	245	500
		Nov-11	307	295	602
		Dec-11	No Data	No Data	No Data
		Jan-12	No Data	No Data	No Data
		Feb-12	258	225	484
		Mar-12	286	261	547
		Apr-12	285	270	555
		May-12	339	334	673
		Jun-12	326	328	654
		Jul-12	325	343	668
		Aug-12	403	419	822
		Sep-12	300	308	608
		Annual Average			307

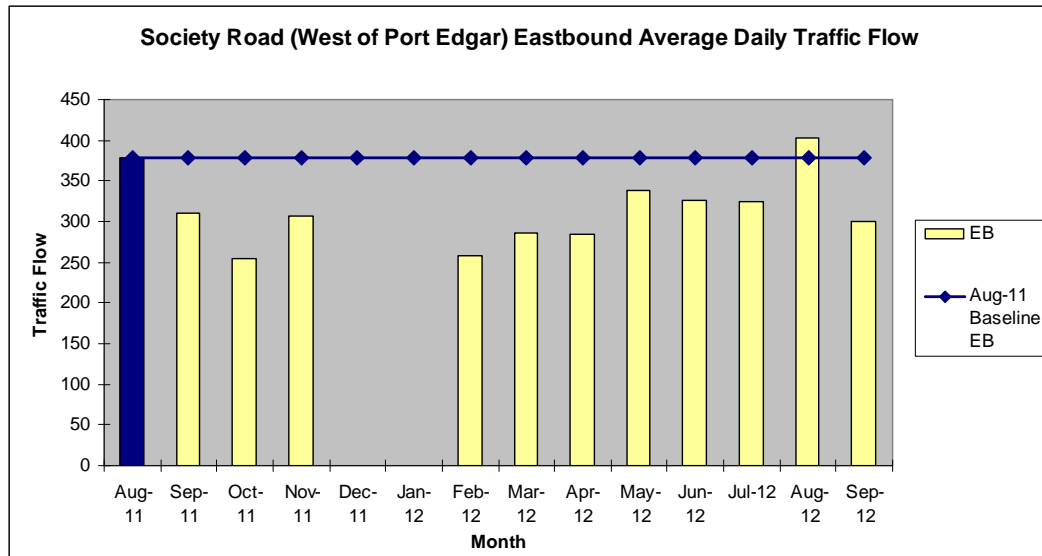


Figure 6-166 Monthly Eastbound AADTs on the Society Road (South Queensferry)

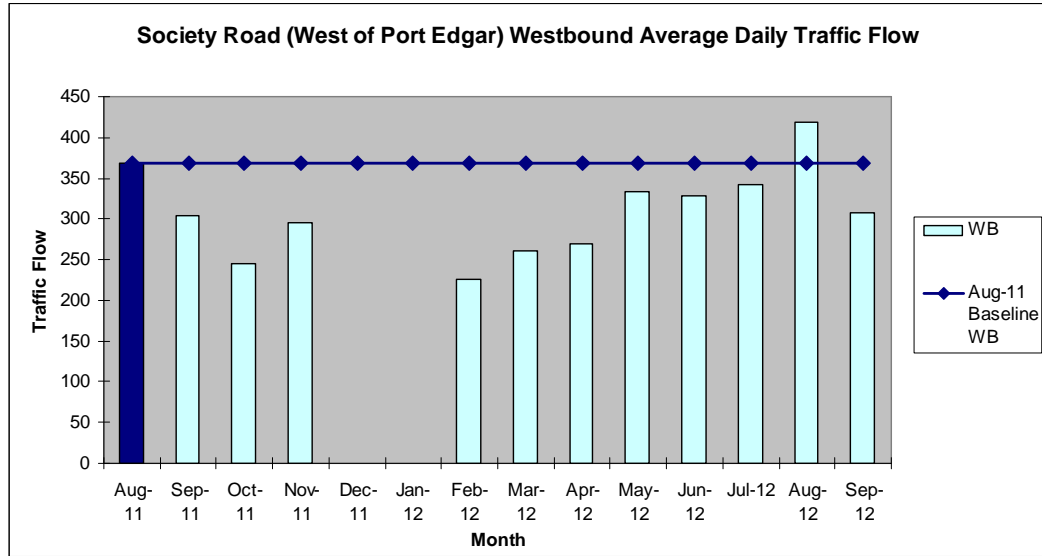


Figure 6-167 Monthly Westbound AADTs on the Society Road (South Queensferry)

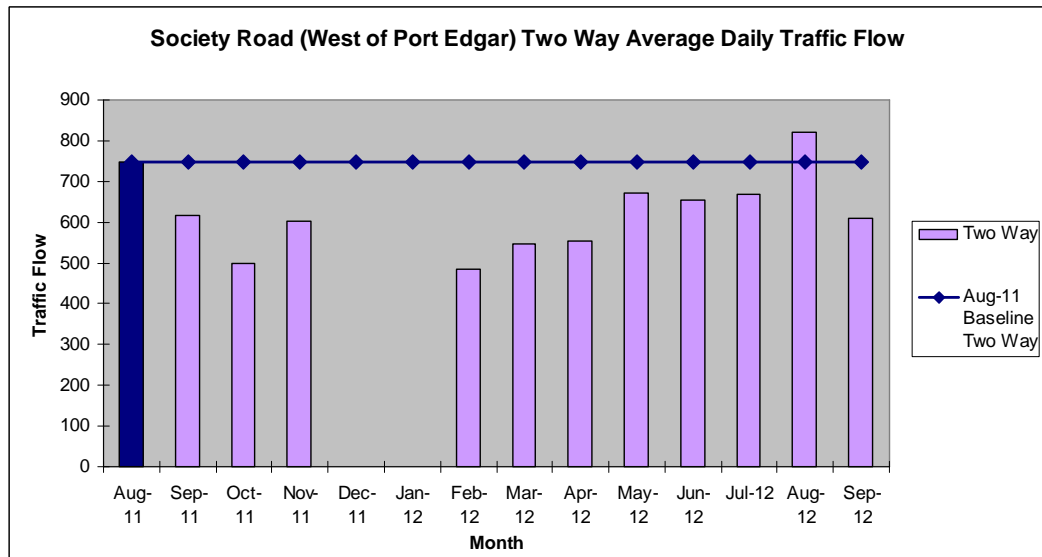


Figure 6-168 Monthly Two Way Daily Traffic Flows on the Society Road (South Queensferry)

6.10.2 Monthly Average AM Peak Traffic Flows

Table 6-65 Site: JTC00597 AM Peak Traffic Flows – August 2011 to September 2012

Counter	Location	Date	EB	WB	Two Way
JTC00597	Society Road (South Queensferry)	Aug-11	41	49	90
		Sep-11	42	44	86
		Oct-11	38	33	71
		Nov-11	27	22	49
		Dec-11	No Data	No Data	No Data
		Jan-12	No Data	No Data	No Data
		Feb-12	28	16	44
		Mar-12	31	24	55
		Apr-12	37	39	76
		May-12	42	50	92
		Jun-12	39	44	83
		Jul-12	37	44	81
		Aug-12	40	60	100
		Sep-12	36	45	82
	Annual Average		36	37	73

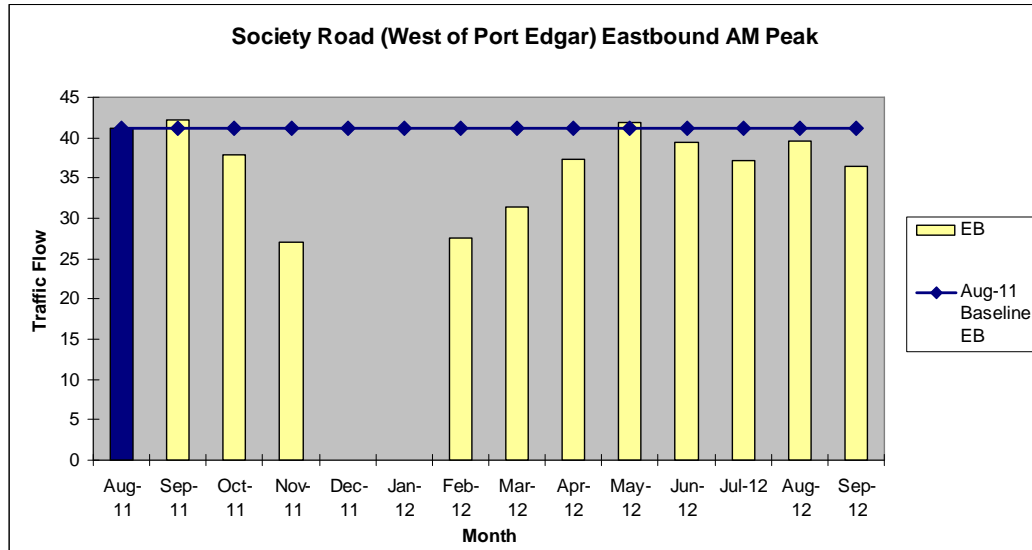


Figure 6-169 Monthly Eastbound AM Peak Flows on Society Road (South Queensferry)

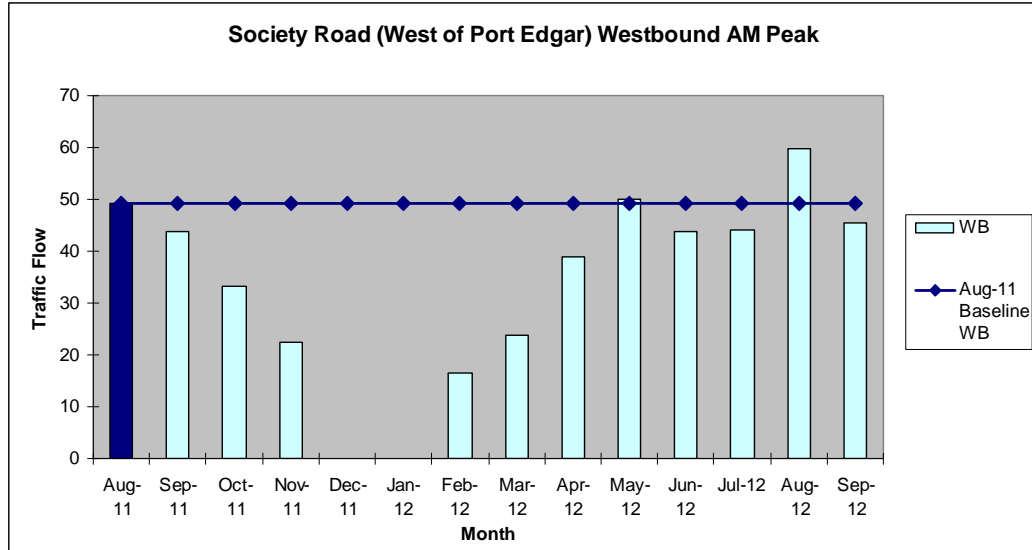


Figure 6-170 Monthly Westbound AM Peak Flows on the Society Road (South Queensferry)

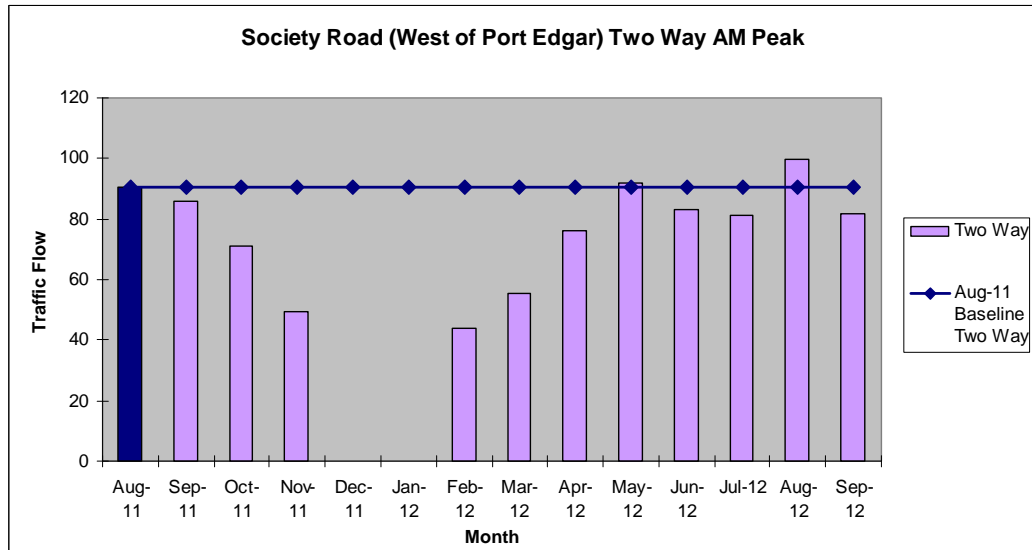


Figure 6-171 Monthly Two Way AM Peak Flows on the Society Road (South Queensferry)

6.10.3 Monthly Average PM Peak Traffic Flows

Table 6-66 Site: JTC00597 PM Peak Traffic Flows – August 2011 to September 2012

Counter	Location	Date	EB	WB	Two Way
JTC00597	Society Road (South Queensferry)	Aug-11	77	60	137
		Sep-11	66	57	123
		Oct-11	50	45	95
		Nov-11	77	50	127
		Dec-11	No Data	No Data	No Data
		Jan-12	No Data	No Data	No Data
		Feb-12	55	48	103
		Mar-12	62	57	119
		Apr-12	63	48	111
		May-12	75	58	133
		Jun-12	76	57	133
		Jul-12	71	62	133
		Aug-12	85	69	154
		Sep-12	67	52	120
		Annual Average	67	54	121

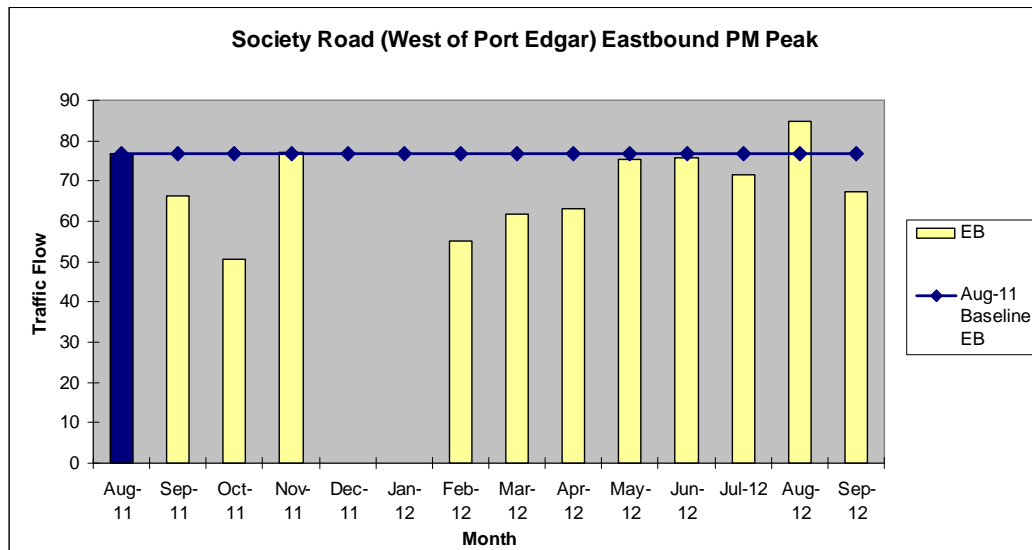


Figure 6-172 Monthly Eastbound PM Peak Flows on the Society Road (South Queensferry)

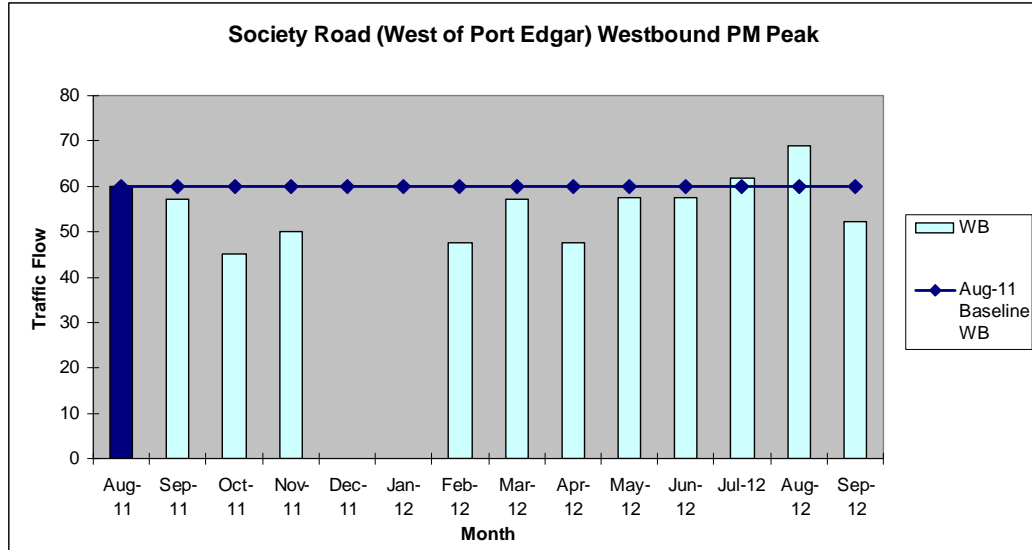


Figure 6-173 Monthly Westbound PM Peak Flows on the Society Road (South Queensferry)

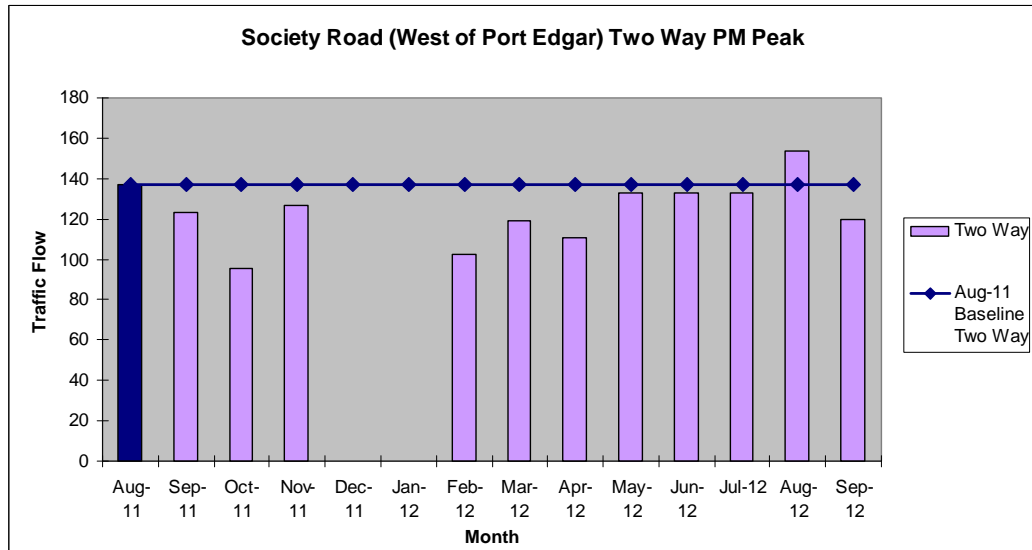


Figure 6-174 Monthly Two Way PM Peak Flows on the Society Road (South Queensferry)

6.10.4 Monthly Average HGV Flows

Table 6-67 Site: JTC00597 Annual HGV Traffic Flows – August 2011 to September 2012

Counter	Location	Date	EB	WB	Two Way
JTC00597	Society Road (South Queensferry)	Aug-11	0	1	0
		Sep-11	0	0	0
		Oct-11	0	0	0
		Nov-11	0	0	0
		Dec-11	No Data	No Data	No Data
		Jan-12	0	0	0
		Feb-12	0	0	0
		Mar-12	0	0	0
		Apr-12	0	0	0
		May-12	0	0	0
		Jun-12	0	0	0
		Jul-12	0	0	0
		Aug-12	0	1	0
		Sep-12	0	0	0
		Annual Average	0	0	0

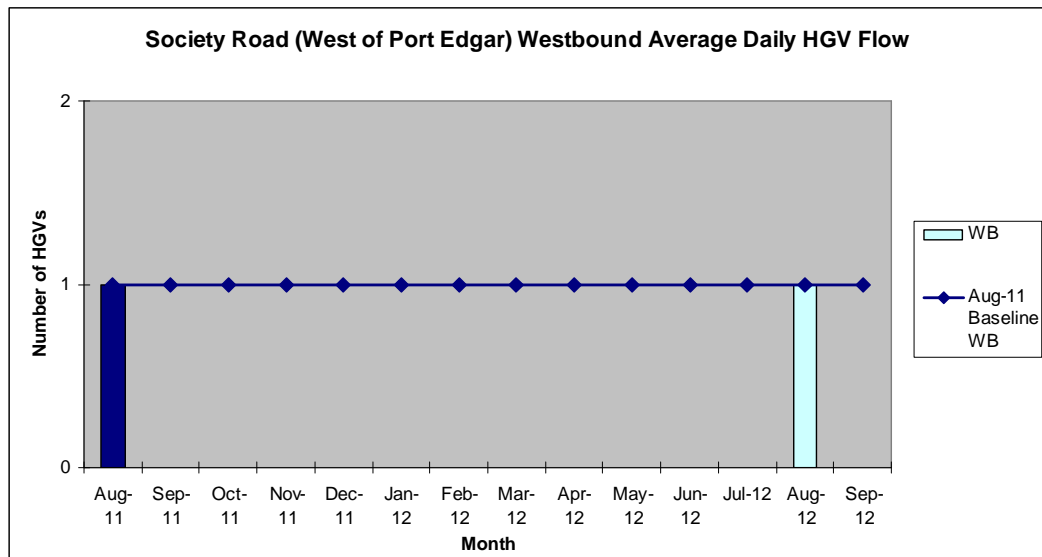


Figure 6-175 Monthly Westbound HGV Flows on the Society Road (South Queensferry)

6.10.5 Monthly Average AM Peak HGV Flows

Table 6-68 Site: JTC00597 AM Peak HGV Traffic Flows – August 2011 to September 2012

Counter	Location	Date	EB	WB	Two Way
JTC00597	Society Road (South Queensferry)	Aug-11	0	0	0
		Sep-11	0	0	0
		Oct-11	0	0	0
		Nov-11	0	0	0
		Dec-11	0	0	0
		Jan-12	0	0	0
		Feb-12	0	0	0
		Mar-12	0	0	0
		Apr-12	0	0	0
		May-12	0	0	0
		Jun-12	0	0	0
		Jul-12	0	0	0
		Aug-12	0	0	0
		Sep-12	0	0	0
		Annual Average	0	0	0

6.10.6 Monthly Average PM Peak HGV Flows

Table 6-69 Site: JTC00597 PM Peak HGV Traffic Flows – August 2011 to September 2012

Counter	Location	Date	EB	WB	Two Way
JTC00597	Society Road (South Queensferry)	Aug-11	0	0	0
		Sep-11	0	0	0
		Oct-11	0	0	0
		Nov-11	0	0	0
		Dec-11	0	0	0
		Jan-12	0	0	0
		Feb-12	0	0	0
		Mar-12	0	0	0
		Apr-12	0	0	0
		May-12	0	0	0
		Jun-12	0	0	0
		Jul-12	0	0	0
		Aug-12	0	0	0
		Sep-12	0	0	0
		Annual Average	0	0	0

6.10.7 Monthly Average All Vehicles Traffic Speeds

Table 6-70 Site: JTC00597 Average Monthly Traffic Speeds (KPH) (All Vehicles) – August 2011 to September 2012

Counter	Location	Date	EB	WB
JTC00597	Society Road (South Queensferry)	Aug-11	31	33
		Sep-11	32	34
		Oct-11	31	33
		Nov-11	30	32
		Dec-11	No Data	No Data
		Jan-12	25	26
		Feb-12	30	32
		Mar-12	31	33
		Apr-12	31	33
		May-12	31	33
		Jun-12	30	32
		Jul-12	29	31
		Aug-12	29	31
Sep-12	30	32		

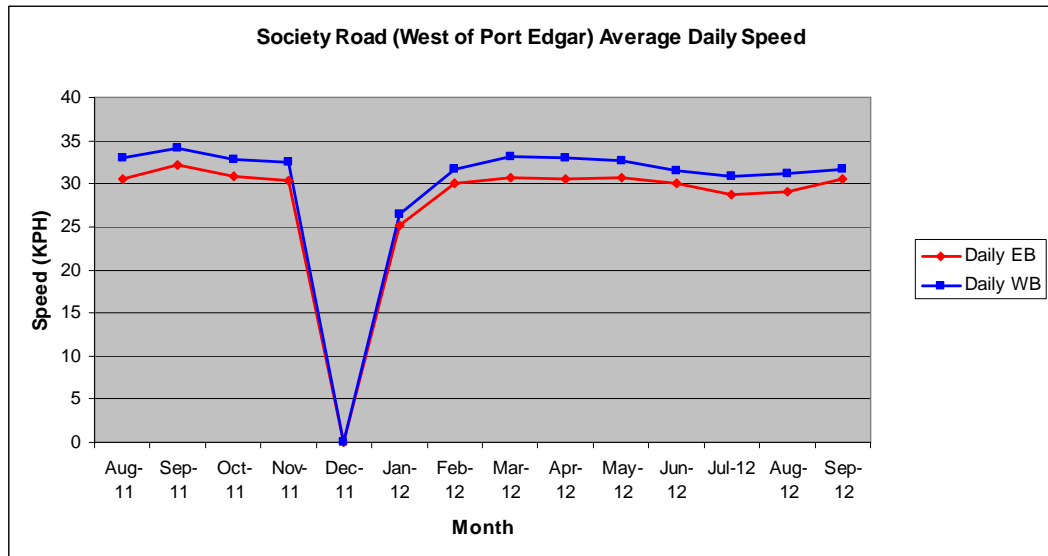


Figure 6-176 Average Monthly Traffic Speeds (KPH) on the Society Road (South Queensferry)

7 Journey Times

7.1 Introduction

Journey time surveys have been undertaken along 13 routes in the vicinity of the Forth Road Bridge (FRB) using GPS technology to establish typical journey times, and monitor any potential impacts, arising from for example changing traffic levels and patterns, on travel times for road users.

The routes identified broadly cover the same geographic area as the traffic counters and are intended to provide coverage of both local and strategic traffic routes. The strategic routes are shown in Figure 7-1 and local routes are shown in Figure 7-2.

The strategic journey time routes are:

1. M9 Junction 6 to M90 Halbeath Junction via Kincardine Bridge;
2. M9 Junction 6 to M90 Halbeath Junction via FRC / FRB

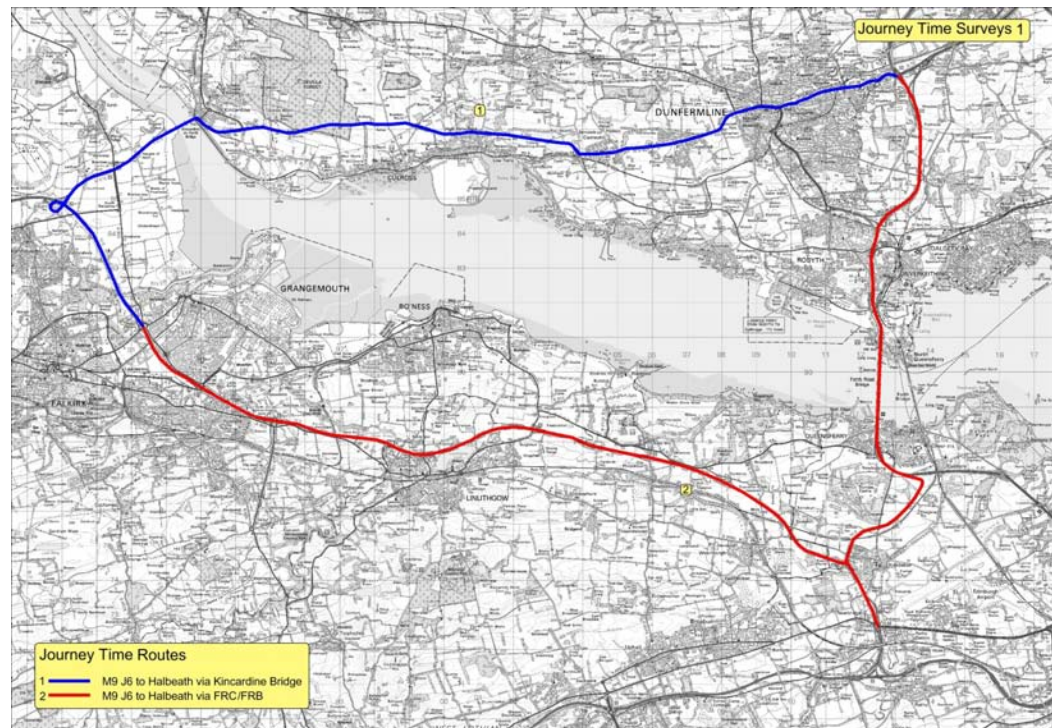


Figure 7-1 Strategic Journey Time Routes

Each strategic route was surveyed at least once per week over the period of one month in each year. Due to a delayed start in monitoring, it was only possible to survey each route once in September 2011 during the morning and evening peak periods.

The local journey time routes are as follows:

3. A90 between Echline Junction and Maybury Junction;
4. M9 Newbridge Junction to Echline Junction via the M9 Spur;
5. M9 Newbridge Junction to the A720 Hermiston Gate via the M8;
6. A8 between Gogar Junction and Newbridge Junction;
7. A90 Echline Junction to the M90 Halbeath Junction;
8. A985 between the A90 Admiralty Junction and Cairneyhill Roundabout;
9. A994 / A907 between Cairneyhill Roundabout and the M90 Halbeath Junction;
10. A823 (M) between the A907 and the M90 Masterton Junction;
11. A921 between the B9157 and the A90 Admiralty Junction;
12. B981 between the A92 and the A90 Admiralty Junction; and
13. A904 between Old Philpstoun and Echline Junction.

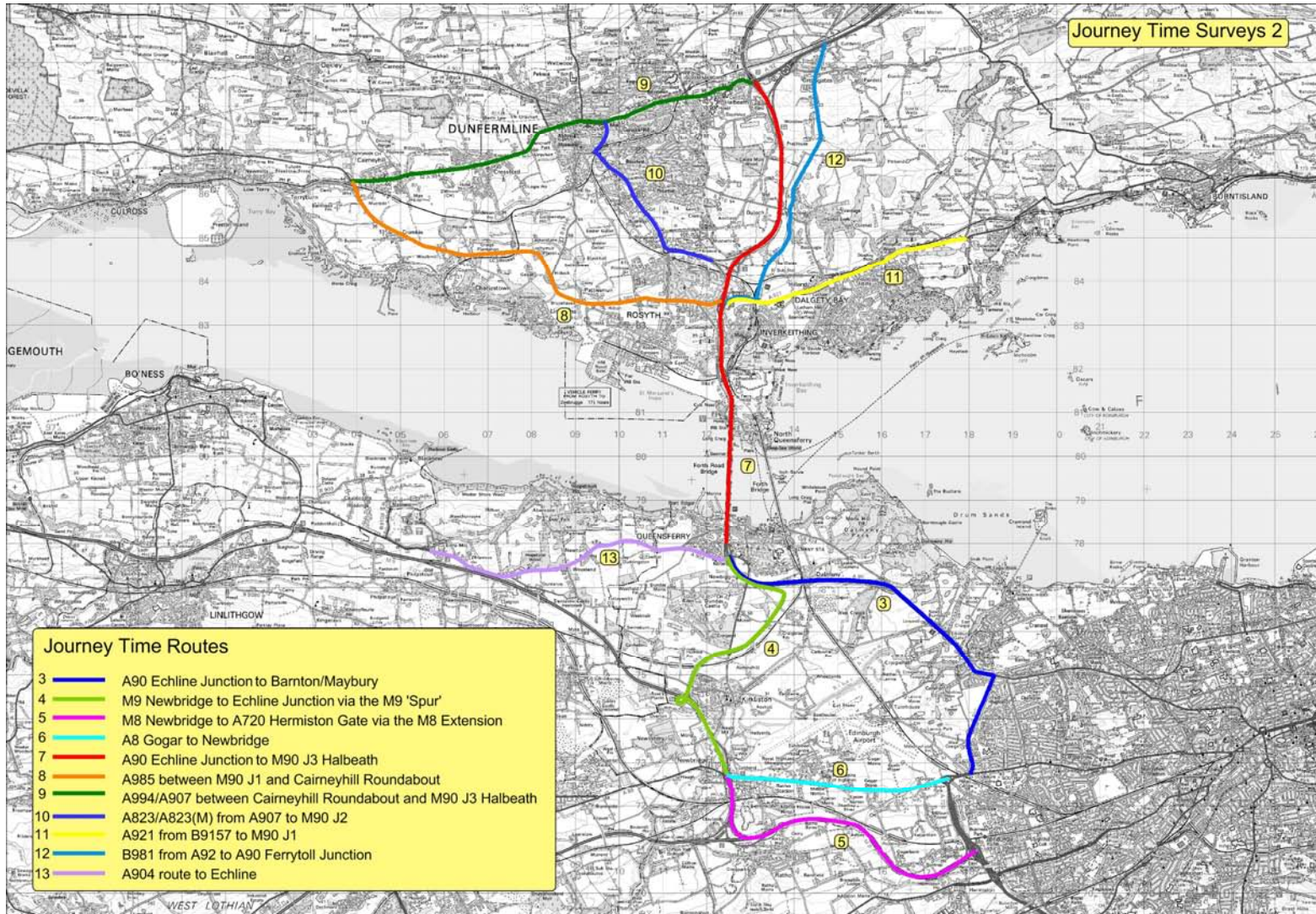


Figure 7-2 Local Journey Time Routes

Each local route was surveyed at least once per month in each direction for each of the following time periods:

- AM (07:00 – 09:00); and
- PM (16:00 – 18:00)

The surveys were undertaken on a Tuesday, Wednesday or Thursday to capture typical weekday journey times. The monitoring team ensured that during each month the surveys were spread across each of these weekdays to provide a representative and robust survey sample.

The following items were presented for each route based on the journey time surveys in the monthly monitoring summary tables:

- Number of runs undertaken each month in each direction;
- Average distance of route for each month; and
- Average journey time for each month.

7.2 Route 1 A90 M9 Junction 6 to M90 Halbeath Junction via Kincardine Bridge



Figure 7-3 Route 1 A90 M9 Junction 6 to M90 Halbeath Junction via Kincardine Bridge

Table 7-1 Route 1 A90 M9 Junction 6 to M90 Halbeath Junction via Kincardine Bridge AM Peak

Route Description	Date	Northbound			Southbound		
		No. of Runs	Ave. Distance	Ave. Time	No. of Runs	Ave. Distance	Ave. Time
Route 1 - M9 Junction 6 to M90 Halbeath Junction via Kincardine Bridge	Sep-11	1	30.5	00:28:49	2	29.3	00:29:25
	Oct-11	Not Surveyed					
	Nov-11	Not Surveyed					
	Dec-11	Not Surveyed					
	Jan-12	Not Surveyed					
	Feb-12	Not Surveyed					
	Mar-12	Not Surveyed					
	Apr-12	Not Surveyed					
	May-12	Not Surveyed					
	Jun-12	Not Surveyed					
	Jul-12	Not Surveyed					
	Aug-12	Not Surveyed					
	Sep-12	2	30.2	00:34:27	4	29.1	00:34:30

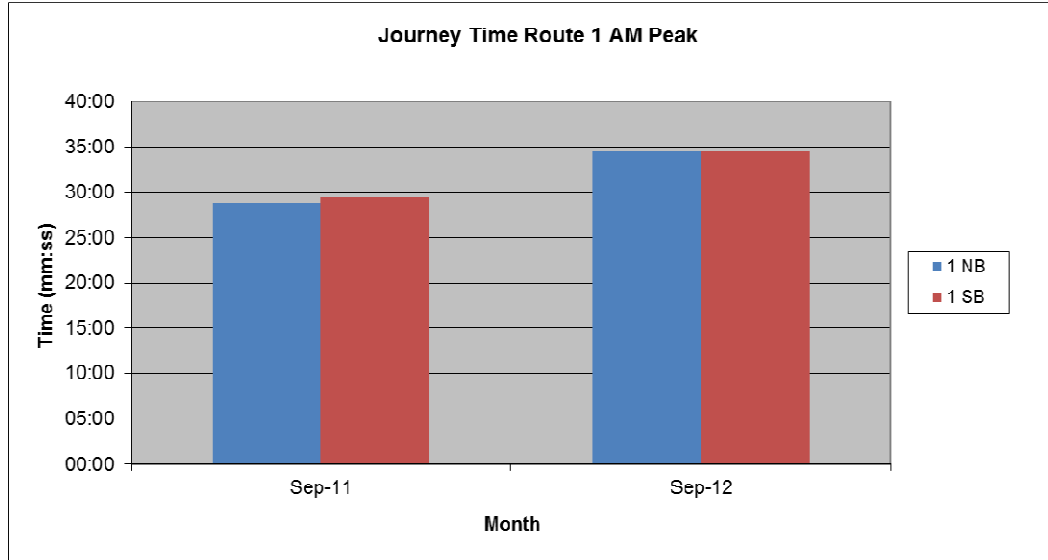


Figure 7-4 Route 1 A90 M9 Junction 6 to M90 Halbeath Junction via Kincardine Bridge AM Peak

The journey time for route 1 has increased by approximately five minutes in both directions in the AM Peak, in the 12 month period from September 2011. The journey times recorded vary between 32 minutes and 36 minutes. This variation indicates that a consistent journey time along this route is difficult to achieve. Journey time route 9 covers the northern section of this route between the A944/A985 roundabout and Halbeath junction. From Table 7-17 it is evident that there is up to five minutes variation in the northbound journey time and three minutes in the southbound journey time on route 9. This demonstrates the variability in journey time over a section of route 1, which could be due to traffic signals and congestion within Dunfermline and surrounding settlements.

In addition, a number of HGVs use the A985 between the A985/A944 Roundabout and the Kincardine Bridge. As this is a single carriageway rural road, it can be difficult to overtake, causing platooning. In 2012, there were also road works on the M9 causing slow moving traffic on the southern section of the route. Congestion was also experienced around the Kincardine Bridge area. The combination of these factors probably resulted in slower journey times being recorded in 2012.

Table 7-2 Route 1 A90 M9 Junction 6 to M90 Halbeath Junction via Kincardine Bridge PM Peak

Route Description	Date	Northbound			Southbound		
		No. of Runs	Ave. Distance	Ave. Time	No. of Runs	Ave. Distance	Ave. Time
Route 1 - M9 Junction 6 to M90 Halbeath Junction via Kincardine Bridge	Sep-11	1	30.3	00:33:22	1	29.2	00:30:33
	Oct-11	Not Surveyed					
	Nov-11	Not Surveyed					
	Dec-11	Not Surveyed					
	Jan-12	Not Surveyed					
	Feb-12	Not Surveyed					
	Mar-12	Not Surveyed					
	Apr-12	Not Surveyed					
	May-12	Not Surveyed					
	Jun-12	Not Surveyed					
	Jul-12	Not Surveyed					
	Aug-12	Not Surveyed					
	Sep-12	4	30.4	00:33:07	4	29.2	00:35:01

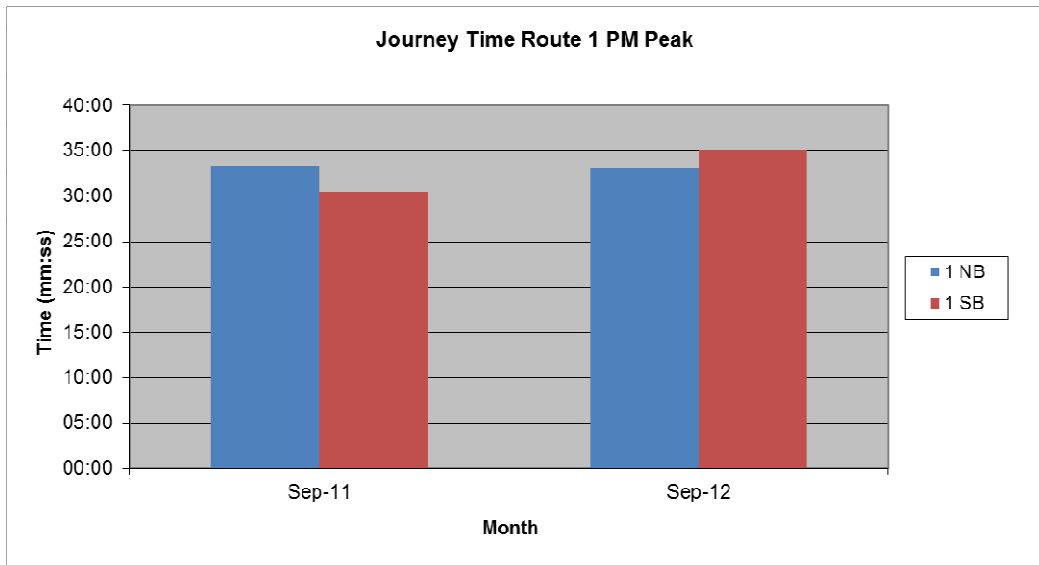


Figure 7-5 Route 1 A90 M9 Junction 6 to M90 Halbeath Junction via Kincardine Bridge PM Peak

The journey time for route 1 has increased by approximately five minutes in the southbound direction during the PM Peak. The journey times recorded vary between 32 minutes and 36 minutes. Similar issues were experienced during the PM Peak as the AM Peak. The northbound journey time is very similar for 2011 and 2012.

7.3 Route 2 M9 Junction 6 to M90 Halbeath Junction via FRC / FRB



Figure 7-6 Route 2 M9 Junction 6 to M90 Halbeath Junction via FRC / FRB

Table 7-3 Route 2 M9 Junction 6 to M90 Halbeath Junction via FRC / FRB AM Peak

Route Description	Date	Northbound			Southbound		
		No. of Runs	Ave. Distance	Ave. Time	No. of Runs	Ave. Distance	Ave. Time
Route 2 - M9 Junction 6 to M90 Halbeath Junction via FRC / FRB	Sep-11	1	44.9	00:32:29	2	44.2	00:33:29
	Oct-11	Not Surveyed					
	Nov-11	Not Surveyed					
	Dec-11	Not Surveyed					
	Jan-12	Not Surveyed					
	Feb-12	Not Surveyed					
	Mar-12	Not Surveyed					
	Apr-12	Not Surveyed					
	May-12	Not Surveyed					
	Jun-12	Not Surveyed					
	Jul-12	Not Surveyed					
	Aug-12	Not Surveyed					
	Sep-12	2	44.4	00:36:55	3	44.0	00:41:19

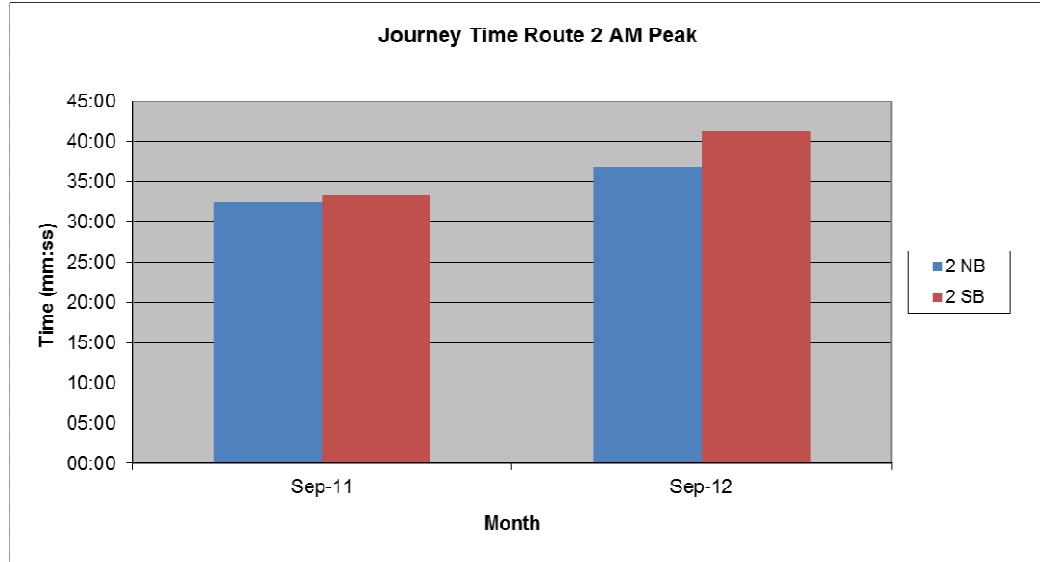


Figure 7-7 Route 2 M9 Junction 6 to M90 Halbeath Junction via FRC / FRB AM Peak

The journey time for route 2 has increased by approximately five minutes in the northbound direction and eight minutes in the southbound direction during the AM Peak. Traffic management was installed on the M9 around Junction 1a, on the M9 Spur and on the M90 to the north of the FRB after the 2011 survey and was still in place during the 2012 survey. The traffic management has a 40 mph speed limit, enforced by average speed cameras which increase the journey time on this section. In addition to the reduced speed limit, the traffic management can result in additional congestion, particularly during the peak hours when these journey times were recorded.

Table 7-4 Route 2 M9 Junction 6 to M90 Halbeath Junction via FRC / FRB PM Peak

Route Description	Date	Northbound			Southbound		
		No. of Runs	Ave. Distance	Ave. Time	No. of Runs	Ave. Distance	Ave. Time
Route 2 - M9 Junction 6 to M90 Halbeath Junction via FRC / FRB	Sep-11	3	44.9	00:30:05	1	44.2	00:30:24
	Oct-11	Not Surveyed					
	Nov-11	Not Surveyed					
	Dec-11	Not Surveyed					
	Jan-12	Not Surveyed					
	Feb-12	Not Surveyed					
	Mar-12	Not Surveyed					
	Apr-12	Not Surveyed					
	May-12	Not Surveyed					
	Jun-12	Not Surveyed					
	Jul-12	Not Surveyed					
	Aug-12	Not Surveyed					
	Sep-12	3	44.6	00:41:51	2	44.0	00:35:30

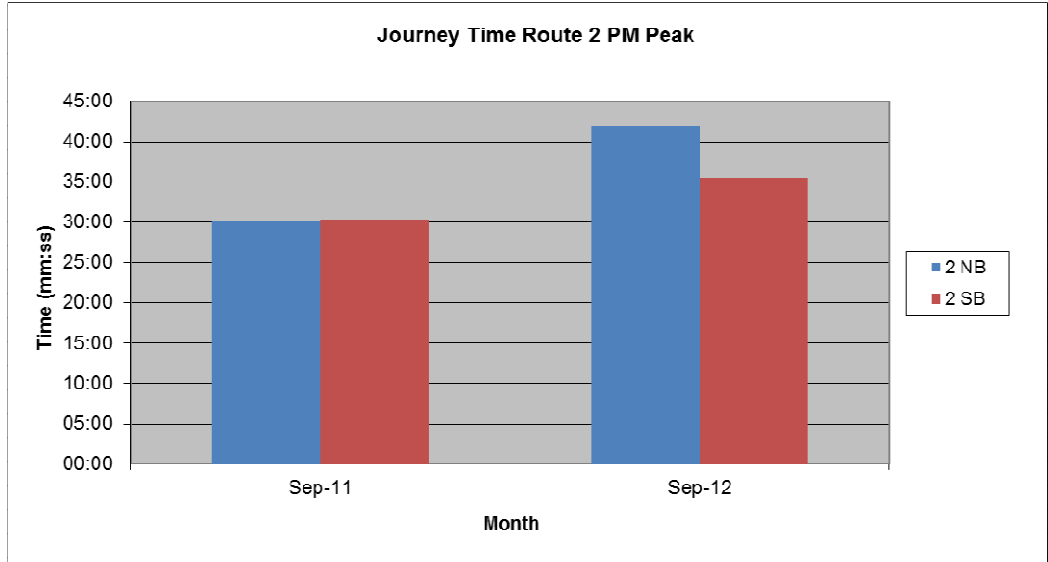


Figure 7-8 Route 2 M9 Junction 6 to M90 Halbeath Junction via FRC / FRB PM Peak

The journey time for route 2 has increased by approximately twelve minutes in the northbound direction and five minutes in the southbound direction during the PM Peak. As in the AM Peak, the traffic management will have had an effect on the speed of vehicles travelling on this route, resulting in increased journey times.

7.4 Route 3 A90 Echline Junction to Maybury Junction



Figure 7-9 Route 3 A90 Echline Junction to Maybury Junction

Table 7-5 Route 3 A90 Echline Junction to Maybury Junction AM Peak

Route Description	Date	Northbound			Southbound		
		No. of Runs	Ave. Distance	Ave. Time	No. of Runs	Ave. Distance	Ave. Time
Route 3 - A90 Echline Junction to Maybury Junction	Sep-11	3	9.0	00:08:05	2	9.0	00:20:09
	Oct-11	1	9.0	00:10:23	1	9.0	00:19:50
	Nov-11	1	9.0	00:11:12	1	9.0	00:31:13
	Dec-11	1	9.0	00:10:24	1	9.0	00:29:14
	Jan-12	1	9.0	00:07:37	1	9.0	00:26:27
	Feb-12	1	9.0	00:08:26	1	9.0	00:25:52
	Mar-12	1	9.0	00:07:13	1	9.0	00:23:45
	Apr-12	1	8.9	00:07:21	1	9.0	00:25:39
	May-12	1	9.0	00:09:12	1	9.0	00:21:00
	Jun-12	1	9.0	00:16:07	1	9.0	00:22:55
	Jul-12	1	8.8	00:07:53	1	9.0	00:14:18
	Aug-12	1	8.8	00:14:26	1	9.0	00:24:17
Sep-12	1	8.8	00:15:01	1	9.0	00:22:04	

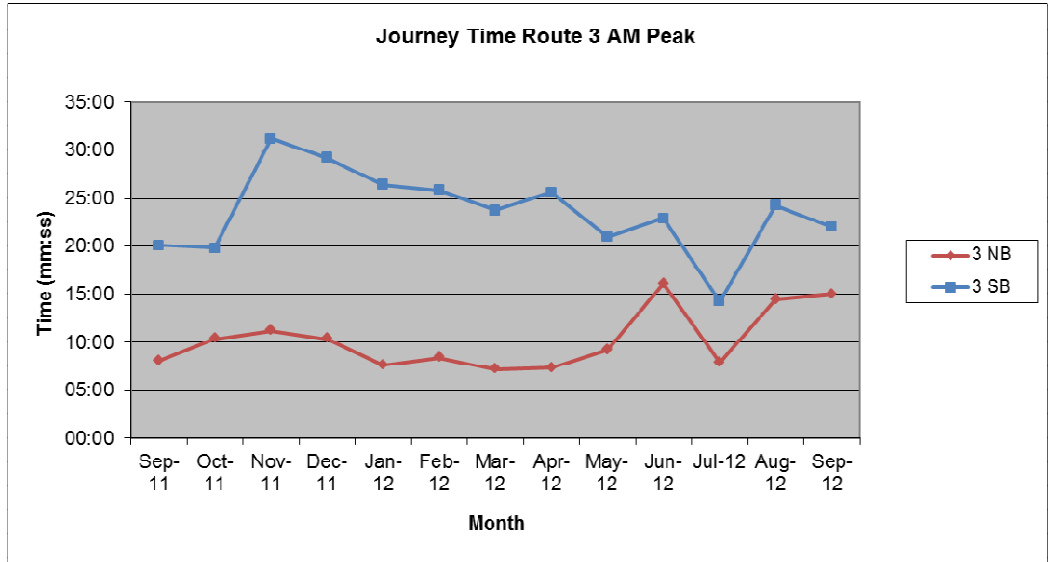


Figure 7-10 Route 3 A90 Echline Junction to Maybury Junction AM Peak

The journey time route 3 is consistent throughout the year in the northbound direction during the AM Peak, with all of the journey times recorded being within seven to 11 minutes, with the exception of June, August and September 2012. The reasons for these increases are unclear, however it has been noted that traffic was heavier than usual with queuing experienced at Barnton Junction.

Route 3 is particularly busy in the southbound direction during the AM Peak. The journey time peaks at 31 minutes in November 2011, with the shortest time being 14 minutes in July 2011. The journey time for this route is generally somewhere around 20 to 25 minutes. The congestion is generally caused by the volumes of traffic that are entering a congested urban network. Route 3, travels through Barnton Junction and Maybury Junction, which are both controlled by traffic signals, and can have extensive queuing in the AM Peak. The shortest journey time was recorded in July 2012, and was a result of the survey being undertaken at 0830 hrs, when traffic has started to dissipate.

Table 7-6 Route 3 A90 Echline Junction to Maybury Junction PM Peak

Route Description	Date	Northbound			Southbound		
		No. of Runs	Ave. Distance	Ave. Time	No. of Runs	Ave. Distance	Ave. Time
Route 3 - A90 Echline Junction to Maybury Junction	Sep-11	1	9.0	00:14:14	1	9.0	00:08:33
	Oct-11	1	9.0	00:08:02	1	9.0	00:09:33
	Nov-11	1	9.0	00:08:58	1	9.0	00:19:16
	Dec-11	1	9.0	00:09:08	1	9.0	00:12:17
	Jan-12	1	9.0	00:07:54	1	9.0	00:09:56
	Feb-12	1	9.0	00:12:58	1	9.0	00:17:54
	Mar-12	1	9.0	00:07:58	1	9.0	00:10:04
	Apr-12	1	9.0	00:07:35	1	9.0	00:09:59
	May-12	1	9.0	00:08:08	1	9.0	00:09:11
	Jun-12	1	9.0	00:07:47	1	9.0	00:12:38
	Jul-12	1	8.9	00:24:16	1	9.0	00:10:23
	Aug-12	1	8.8	00:24:57	1	6.6	00:07:10
	Sep-12	1	8.8	00:13:08	1	9.0	00:09:04

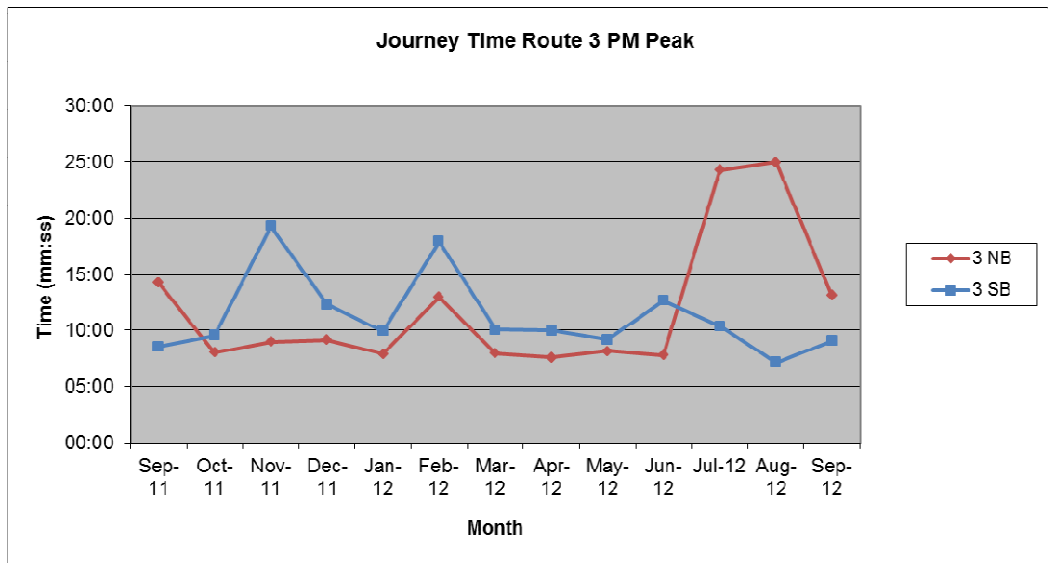


Figure 7-11 Route 3 A90 Echline Junction to Maybury Junction PM Peak

The PM Peak journey times are relatively consistent in both directions throughout the year, with a few outliers. July and August 2012 are particularly high in the northbound direction. This is due to extensive queuing on the A90 on the approach to the merge with the M9 Spur. The increase in the southbound journey times in November and February 2012 are due to congestion at Barnton Junction, with queuing being experienced on approach to the traffic signals.

7.5 Route 4 M9 Newbridge Junction to Echline Junction via the M9 Spur

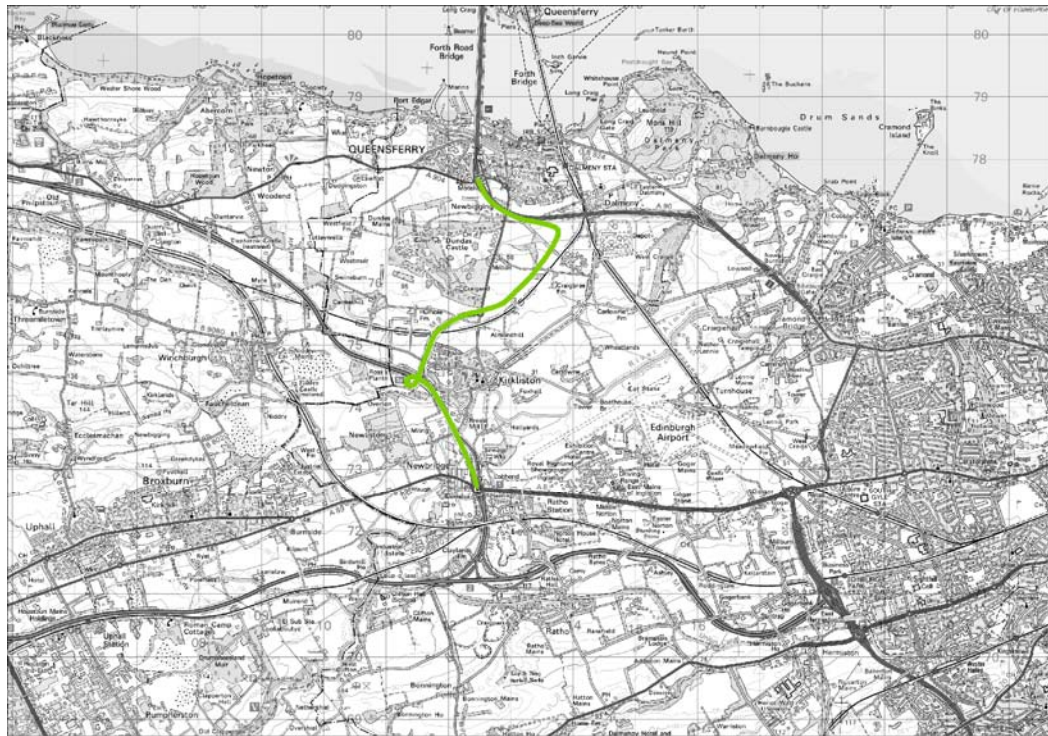


Figure 7-12 Route 4 M9 Newbridge Junction to Echline Junction via the M9 Spur

Table 7-7 Route 4 M9 Newbridge Junction to Echline Junction via the M9 Spur AM Peak

Route Description	Date	Northbound			Southbound		
		No. of Runs	Ave. Distance	Ave. Time	No. of Runs	Ave. Distance	Ave. Time
Route 4 - M9 Newbridge Junction to Echline Junction via the M9 Spur	Sep-11	1	7.5	00:05:28	1	6.9	00:08:54
	Oct-11	3	7.5	00:05:26	2	6.9	00:15:40
	Nov-11	1	7.5	00:06:58	1	6.9	00:19:00
	Dec-11	1	7.5	00:07:20	1	6.9	00:06:57
	Jan-12	1	7.5	00:07:11	1	6.9	00:11:52
	Feb-12	1	7.5	00:07:22	1	6.9	00:12:39
	Mar-12	1	7.5	00:07:24	1	6.9	00:13:48
	Apr-12	1	7.5	00:06:59	1	6.9	00:16:19
	May-12	1	7.5	00:06:55	1	6.9	00:12:40
	Jun-12	1	7.5	00:06:27	1	6.9	00:17:09
	Jul-12	1	7.5	00:06:23	1	6.9	00:10:44
	Aug-12	1	7.5	00:06:25	1	6.9	00:13:18
	Sep-12	2	7.5	00:07:14	4	6.9	00:17:56

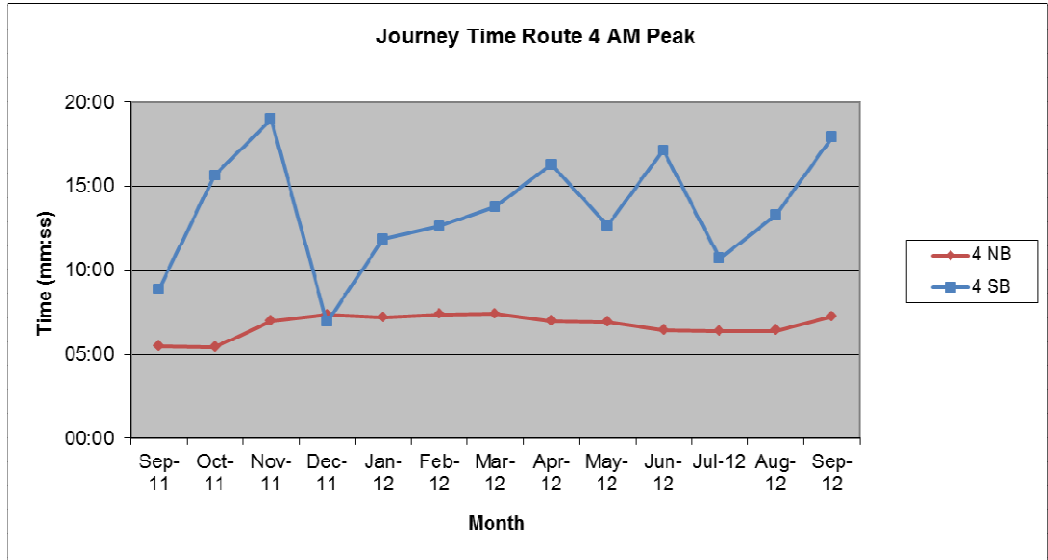


Figure 7-13 Route 4 M9 Newbridge Junction to Echline Junction via the M9 Spur AM Peak

Traffic management was implemented on the M9 Spur in November 2011, with a 40 mph speed limit, enforced by average speed cameras. The journey time in the northbound direction remained relatively consistent throughout the year in the AM Peak, as the traffic flow is lighter travelling northbound during this time period. The southbound journey times are more impacted by the levels of congestion. The December 2011 survey was particularly quick as it was undertaken after 0900 hrs which is outwith the congested period.

Table 7-8 Route 4 M9 Newbridge Junction to Echline Junction via the M9 Spur PM Peak

Route Description	Date	Northbound			Southbound		
		No. of Runs	Ave. Distance	Ave. Time	No. of Runs	Ave. Distance	Ave. Time
Route 4 - M9 Newbridge Junction to Echline Junction via the M9 Spur	Sep-11	1	7.5	00:05:24	Not Surveyed		
	Oct-11	Not Surveyed					
	Nov-11	1	7.5	00:06:56	1	6.9	00:06:29
	Dec-11	1	7.5	00:07:22	1	6.9	00:07:15
	Jan-12	1	7.5	00:11:05	1	6.9	00:07:46
	Feb-12	1	7.5	00:10:27	1	6.9	00:07:03
	Mar-12	1	7.5	00:07:16	1	6.9	00:08:01
	Apr-12	1	7.5	00:07:38	1	6.9	00:07:25
	May-12	1	7.5	00:11:14	1	6.9	00:07:46
	Jun-12	1	7.5	00:08:43	1	6.9	00:07:15
	Jul-12	1	7.5	00:16:11	1	6.9	00:06:34
	Aug-12	1	7.5	00:14:44	1	6.9	00:06:36
	Sep-12	3	7.5	00:11:04	3	6.9	00:07:19

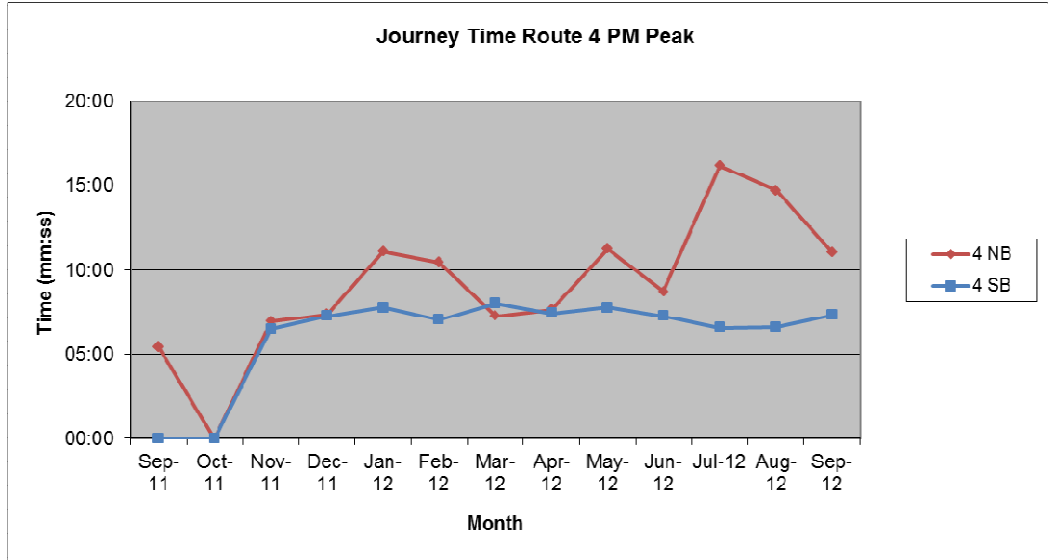


Figure 7-14 Route 4 M9 Newbridge Junction to Echline Junction via the M9 Spur PM Peak

In the PM Peak the opposite occurs with the southbound journey time being more consistent than the northbound. As the major movement in this peak is traffic travelling away from Edinburgh, northbound over the FRB, congestion and queuing occurs on the northbound carriageway of the M9 Spur. As with the AM Peak this varies from day to day, resulting in a variable journey time.

7.6 Route 5 Newbridge Junction to the A720 Hermiston Gait via the M9/M8



Figure 7-15 5 Newbridge Junction to the A720 Hermiston Gait via the M9/M8

Table 7-9 Route 5 Newbridge Junction to the A720 Hermiston Gait via the M9/M8 AM Peak

Route Description	Date	Eastbound			Westbound		
		No. of Runs	Ave. Distance	Ave. Time	No. of Runs	Ave. Distance	Ave. Time
Route 5 - Newbridge Junction to the A720 Hermiston Gait via the M9/M8	Sep-11	1	7.2	00:06:48	1	7.5	00:04:45
	Oct-11	1	7.1	00:09:27	1	7.5	00:04:36
	Nov-11	1	7.1	00:14:09	1	7.5	00:05:02
	Dec-11	1	7.1	00:10:24	1	7.5	00:05:05
	Jan-12	1	7.2	00:07:59	1	7.5	00:04:52
	Feb-12	1	7.1	00:12:20	1	7.5	00:04:39
	Mar-12	1	7.1	00:06:49	1	7.5	00:04:48
	Apr-12	1	7.2	00:05:28	1	7.5	00:05:12
	May-12	1	7.2	00:04:31	1	7.5	00:04:48
	Jun-12	1	7.2	00:04:40	1	7.5	00:05:08
	Jul-12	1	7.2	00:04:50	1	7.4	00:04:40
	Aug-12	1	7.2	00:06:51	1	7.4	00:04:59
Sep-12	1	7.1	00:05:24	1	7.4	00:04:32	

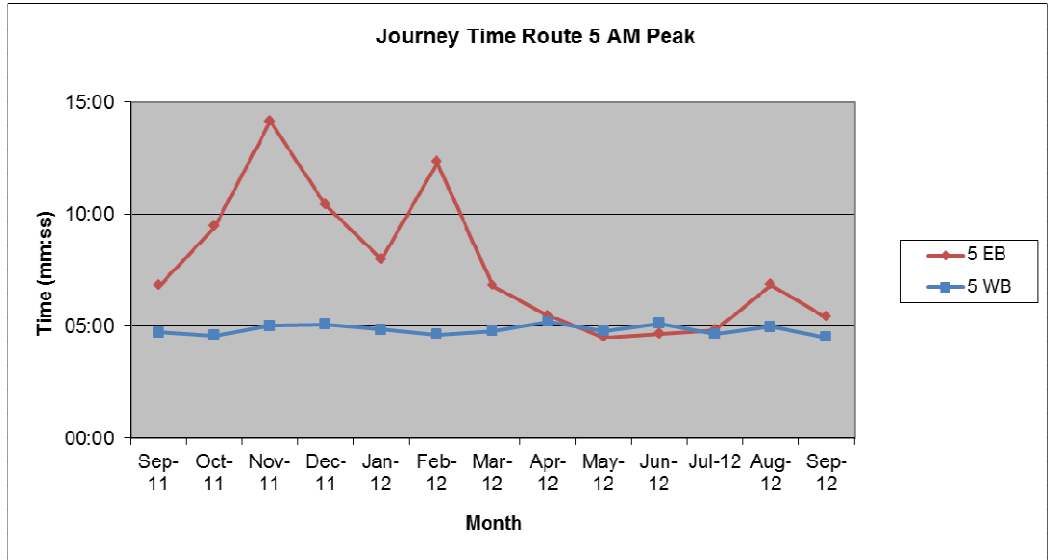


Figure 7-16 Route 5 Newbridge Junction to the A720 Hermiston Gait via the M9/M8 AM Peak

In the AM Peak, the journey time for route 5 westbound is consistent throughout the year. Traffic on the M8 between Hermiston Gait and Junction 2 is relatively light, resulting in no congestion and free flowing traffic, and a journey time of around five minutes every month. The eastbound journey time is more unreliable, with heavy congestion on the M8 between Junction 2 and Hermiston Gait. This has resulted in an approximate ten minute variation in journey time. This congestion is unpredictable, can occur at various times throughout the peak and varies in severity.

Table 7-10 Route 5 Newbridge Junction to the A720 Hermiston Gait via the M9/M8 PM Peak

Route Description	Date	Eastbound			Westbound		
		No. of Runs	Ave. Distance	Ave. Time	No. of Runs	Ave. Distance	Ave. Time
Route 5 - Newbridge Junction to the A720 Hermiston Gait via the M9/M8	Sep-11	1	7.2	00:04:42	1	7.5	00:07:10
	Oct-11	1	7.2	00:05:18	1	7.5	00:10:28
	Nov-11	1	7.1	00:05:01	1	7.5	00:09:01
	Dec-11	1	7.1	00:04:45	1	7.5	00:10:06
	Jan-12	1	7.2	00:04:57	1	7.5	00:09:25
	Feb-12	1	7.1	00:04:25	1	7.5	00:06:24
	Mar-12	1	7.1	00:04:59	1	7.5	00:05:21
	Apr-12	1	7.2	00:06:26	1	7.5	00:05:03
	May-12	1	7.2	00:05:01	1	7.5	00:07:55
	Jun-12	1	7.2	00:04:27	1	7.5	00:05:43
	Jul-12	1	7.2	00:04:20	1	7.4	00:04:56
	Aug-12	1	7.1	00:07:10	1	7.4	00:04:59
Sep-12	1	7.1	00:06:21	1	7.3	00:09:12	

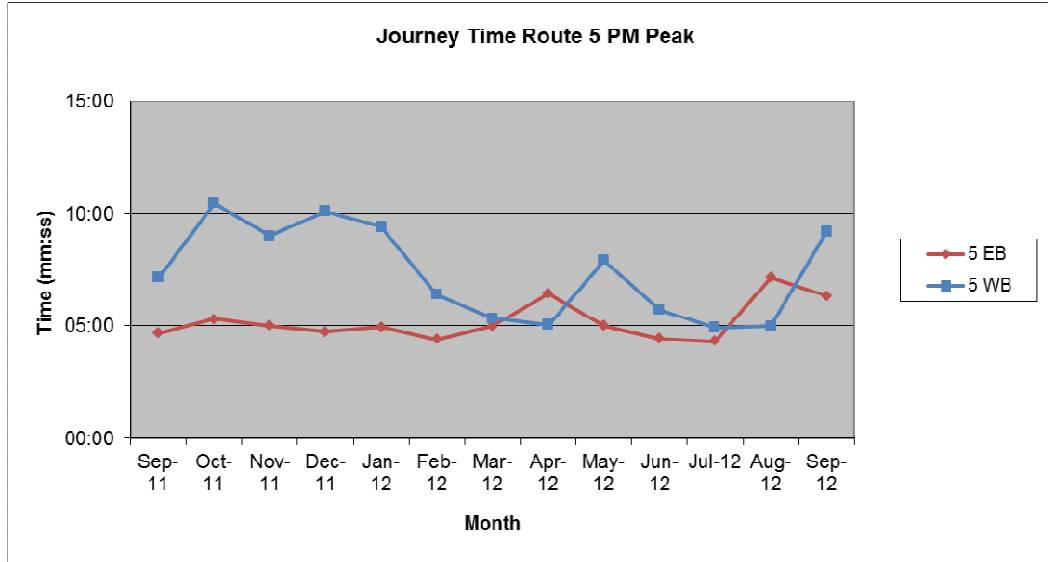


Figure 7-17 Route 5 Newbridge Junction to the A720 Hermiston Gait via the M9/M8 PM Peak

The situation is reversed in the PM Peak with the eastbound journey time more consistent than the westbound. This is due to heavy congestion while leaving Edinburgh in the PM Peak. The variation in the westbound journey time is approximately five minutes, with delays due to the traffic management on the M9 making the journey time more variable. The eastbound journey time is more consistent, with some congestion experienced on the M8.

7.7 Route 6 A8 Gogar Junction to Newbridge Junction

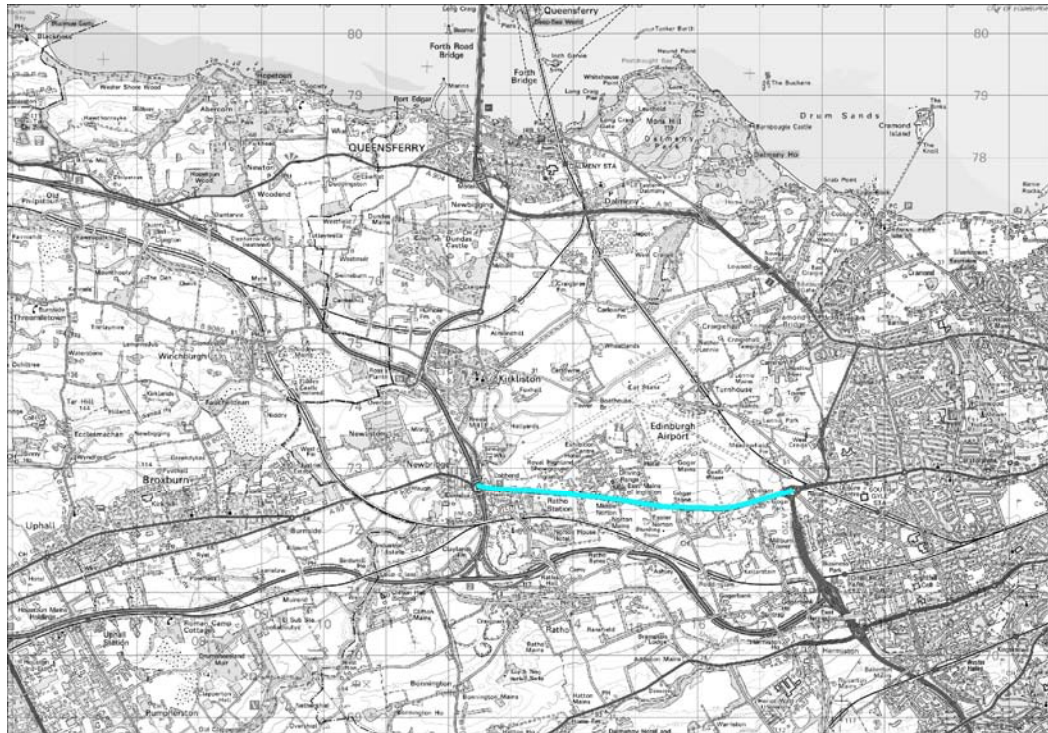


Figure 7-18 Route 6 A8 Gogar Junction to Newbridge Junction

Table 7-11 Route 6 A8 Gogar Junction to Newbridge Junction AM Peak

Route Description	Date	Eastbound			Westbound		
		No. of Runs	Ave. Distance	Ave. Time	No. of Runs	Ave. Distance	Ave. Time
Route 6 - A8 Gogar Junction to Newbridge Junction	Sep-11	1	4.6	00:04:22	1	4.6	00:03:47
	Oct-11	1	4.6	00:04:07	1	4.6	00:03:31
	Nov-11	1	4.6	00:04:54	1	4.5	00:03:51
	Dec-11	1	4.6	00:05:01	1	4.6	00:03:48
	Jan-12	1	4.6	00:04:26	1	4.6	00:04:24
	Feb-12	1	4.6	00:04:09	1	4.6	00:03:49
	Mar-12	1	4.6	00:03:58	1	4.6	00:03:59
	Apr-12	1	4.6	00:04:25	1	4.5	00:03:41
	May-12	1	4.6	00:04:09	1	4.6	00:03:52
	Jun-12	1	4.6	00:04:14	1	4.6	00:04:39
	Jul-12	1	4.6	00:03:53	1	4.6	00:03:43
	Aug-12	1	4.6	00:03:45	1	4.6	00:03:34
Sep-12	1	4.6	00:03:36	1	4.5	00:04:11	

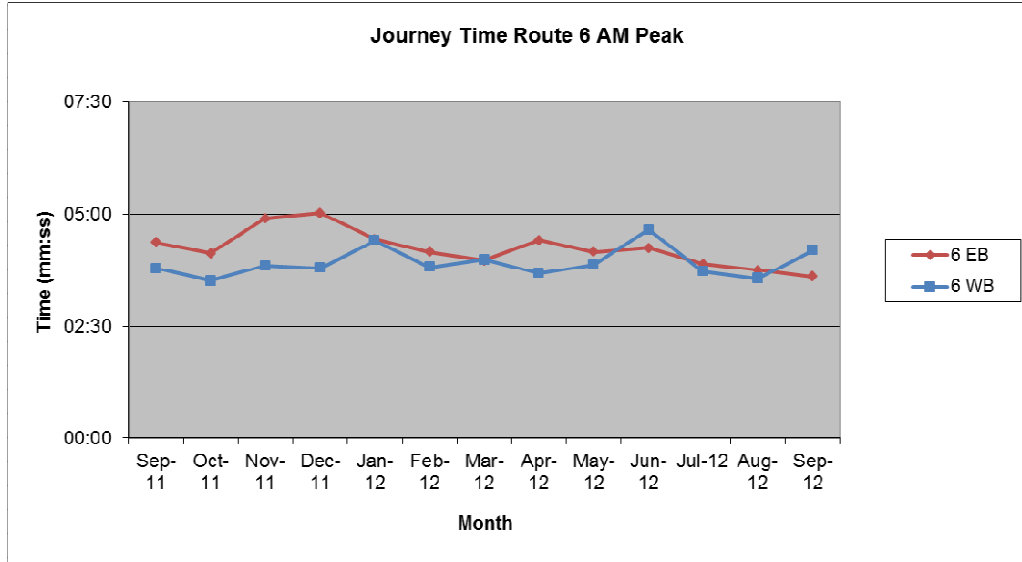


Figure 7-19 Route 6 A8 Gogar Junction to Newbridge Junction AM Peak

The variation in journey time on route 6 in either direction during the AM Peak is approximately one and a half minutes. There were road works at Gogar roundabout that can result in some congestion when travelling eastbound, however this does not have a significant effect on journey time reliability as they are situated at the eastern extent of the route.

Table 7-12 Route 6 A8 Gogar Junction to Newbridge Junction PM Peak

Route Description	Date	Eastbound			Westbound		
		No. of Runs	Ave. Distance	Ave. Time	No. of Runs	Ave. Distance	Ave. Time
Route 6 - A8 Gogar Junction to Newbridge Junction	Sep-11	1	4.6	00:04:51	1	4.6	00:10:43
	Oct-11	1	4.6	00:06:04	1	4.6	00:10:37
	Nov-11	1	4.6	00:03:58	1	4.5	00:12:12
	Dec-11	1	4.6	00:06:26	1	4.6	00:04:59
	Jan-12	1	4.6	00:06:20	1	4.6	00:06:01
	Feb-12	1	4.6	00:07:39	1	4.6	00:12:48
	Mar-12	1	4.6	00:08:47	1	4.6	00:07:58
	Apr-12	1	4.6	00:04:32	1	4.5	00:41:04
	May-12	1	4.6	00:05:15	1	4.5	00:08:56
	Jun-12	1	4.6	00:06:23	1	4.5	00:12:28
	Jul-12	1	4.6	00:05:35	1	4.6	00:07:51
	Aug-12	1	4.6	00:07:54	1	4.6	00:19:44
Sep-12	1	4.6	00:03:58	1	4.5	00:07:29	

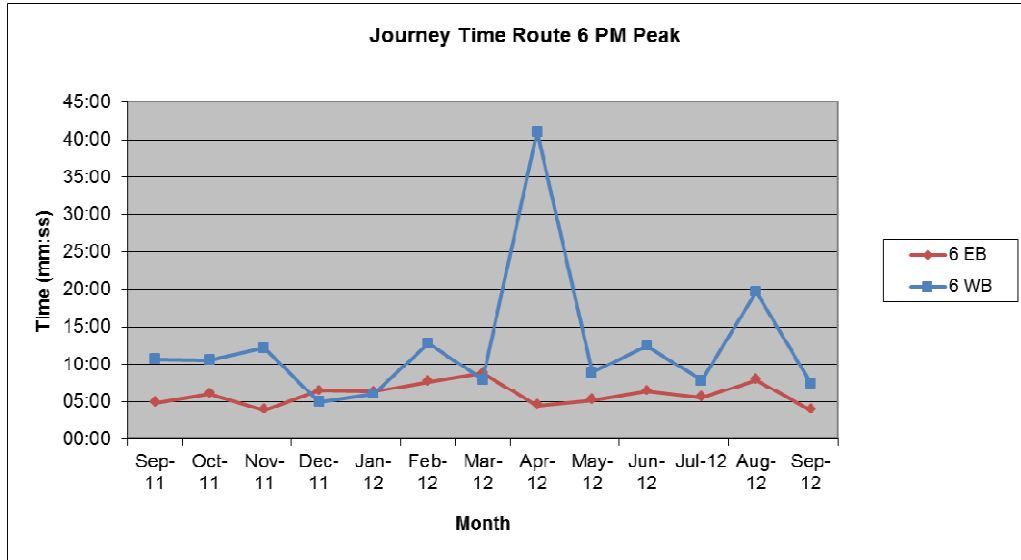


Figure 7-20 Route 6 A8 Gogar Junction to Newbridge Junction PM Peak

The westbound journey time is more variable than the eastbound in the PM Peak, with a large increase in April and a moderate increase in August. Delays at Newbridge Junction can cause queuing on this route, and result in a large variation in journey time. The April 2012 journey time is approximately 30 minutes longer than the average journey time of approximately ten minutes, with queuing traffic along the full length of the route. The increase in journey time in August 2012 was a result of queuing traffic between the junction at the Airport and Newbridge Roundabout. The reason for this queuing traffic is unclear, however it may be a result of queuing traffic from the traffic management on the M9 northbound, leading to congestion on Newbridge Roundabout.

7.8 Route 7 A90 Echline Junction to the M90 Halbeath Junction



Figure 7-21 Route 7 A90 Echline Junction to the M90 Halbeath Junction

Table 7-13 Route 7 A90 Echline Junction to the M90 Halbeath Junction AM Peak

Route Description	Date	Northbound			Southbound		
		No. of Runs	Ave. Distance	Ave. Time	No. of Runs	Ave. Distance	Ave. Time
Route 7 - A90 Echline Junction to the M90 Halbeath Junction	Sep-11	2	11.0	00:07:34	2	10.9	00:14:03
	Oct-11	2	11.0	00:11:15	2	10.9	00:18:43
	Nov-11	1	11.0	00:10:52	1	10.9	00:19:51
	Dec-11	1	11.1	00:10:43	1	10.9	00:10:49
	Jan-12	1	11.0	00:10:30	1	10.9	00:18:51
	Feb-12	1	11.0	00:12:38	1	10.9	00:27:56
	Mar-12	1	11.0	00:10:56	1	10.9	00:12:04
	Apr-12	1	11.0	00:12:49	1	10.9	00:12:59
	May-12	1	11.0	00:09:57	1	10.9	00:10:55
	Jun-12	1	11.0	00:10:41	1	10.9	00:10:29
	Jul-12	1	11.0	00:09:48	1	10.9	00:10:16
	Aug-12	1	11.0	00:07:16	1	10.9	00:08:49
Sep-12	3	10.8	00:07:50	4	10.9	00:09:04	

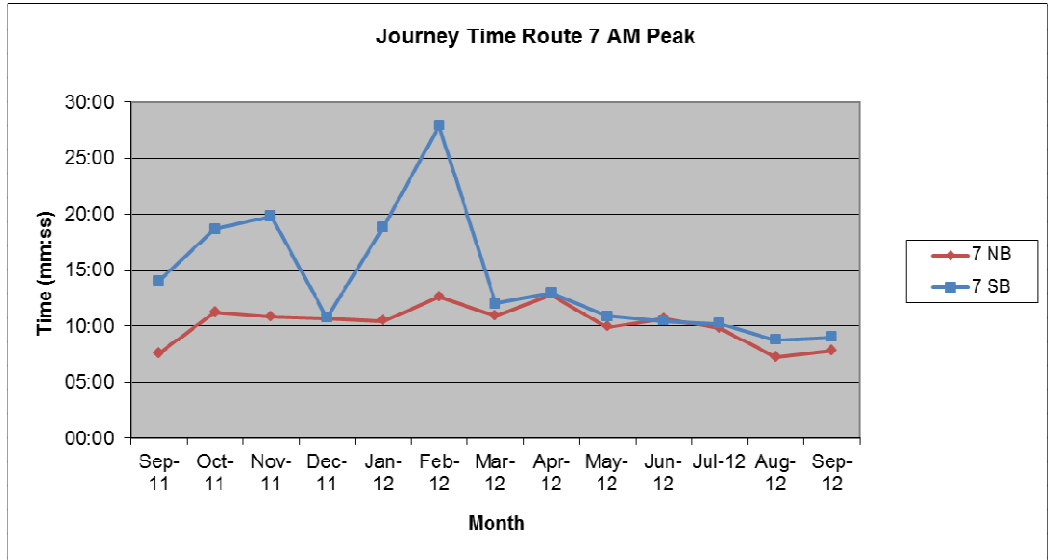


Figure 7-22 Route 7 A90 Echline Junction to the M90 Halbeath Junction AM Peak

The southbound journey time for route 7 was extremely variable for the first six months of the surveys, with heavy congestion on approach to the FRB. Queuing started as far north as Masterton Junction in February, however the level of queue varied on a month by month basis, depending on the time the survey was undertaken. Since the traffic management was introduced, the journey time has become more consistent, with the 40 mph speed limit enforced using average speed cameras allowing traffic to flow more freely on approach to the FRB, however some congestion is experienced between Masterton Junction and the FRB. The northbound journey time has remained consistent throughout the year in the AM Peak. The introduction of the traffic management has had little effect on the northbound journey time.

Table 7-14 Route 7 A90 Echline Junction to the M90 Halbeath Junction PM Peak

Route Description	Date	Northbound			Southbound		
		No. of Runs	Ave. Distance	Ave. Time	No. of Runs	Ave. Distance	Ave. Time
Route 7 - A90 Echline Junction to the M90 Halbeath Junction	Sep-11	1	11.0	00:08:17	0	0	00:00:00
	Oct-11	2	11.0	00:11:25	1	10.9	00:17:49
	Nov-11	1	11.0	00:12:22	1	10.9	00:12:36
	Dec-11	1	11.1	00:13:07	1	10.9	00:11:04
	Jan-12	1	11.0	00:11:28	1	10.9	00:10:19
	Feb-12	1	11.0	00:11:14	1	10.9	00:10:50
	Mar-12	1	11.0	00:10:40	1	10.9	00:09:51
	Apr-12	1	11.0	00:10:19	1	10.9	00:11:36
	May-12	1	11.0	00:10:32	1	10.9	00:09:30
	Jun-12	1	11.0	00:11:48	1	10.9	00:09:08
	Jul-12	1	10.9	00:09:18	1	10.9	00:09:59
	Aug-12	1	11.0	00:09:12	1	10.9	00:09:44
	Sep-12	3	10.9	00:09:13	3	10.9	00:07:53

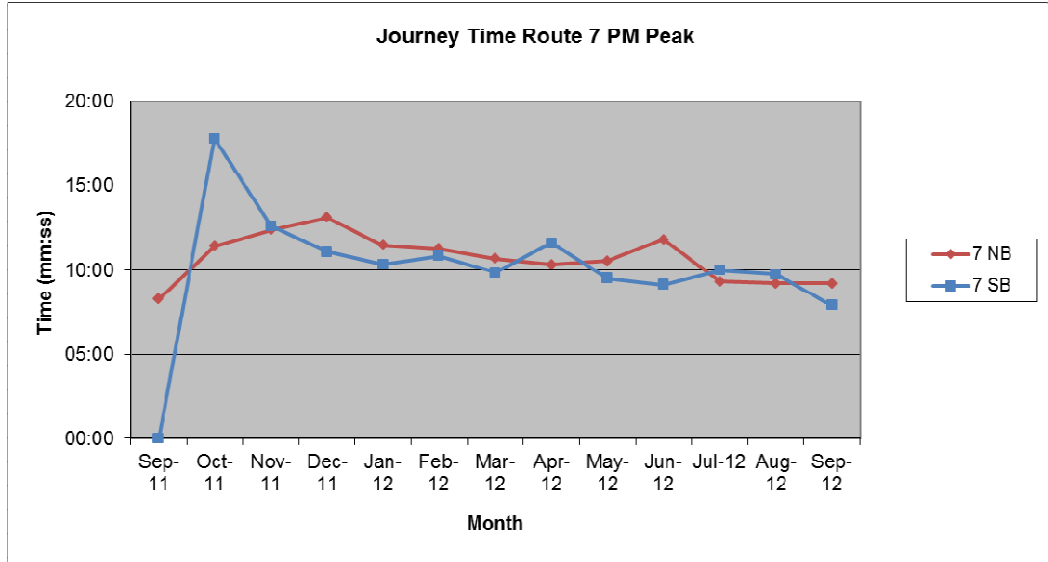


Figure 7-23 Route 7 A90 Echline Junction to the M90 Halbeath Junction PM Peak

The route 7 PM Peak journey times are relatively consistent throughout the year, with a large increase in October 2011. This was due to a reduced speed limit that was in place due to road works. There was also congestion on the northbound carriageway of the FRB. The southbound journey time is generally recorded at around ten minutes for the majority of the surveys, however this drops to eight minutes in September 2011, and nine minutes from July to August 2012. The southbound route is generally free flowing for the duration of the route.

7.9 Route 8 A985 between A90 Admiralty Junction and Cairneyhill Roundabout

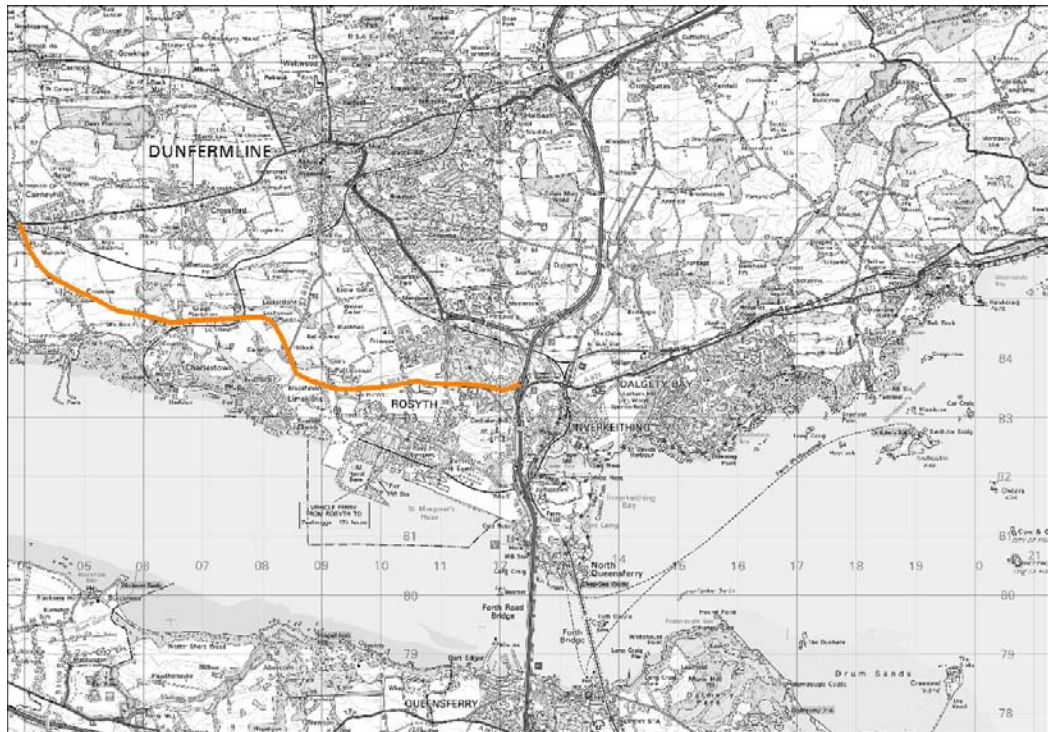


Figure 7-24 Route 8 A985 between A90 Admiralty Junction and Cairneyhill Roundabout

Table 7-15 Route 8 A985 between A90 Admiralty Junction and Cairneyhill Roundabout AM Peak

Route Description	Date	Eastbound			Westbound		
		No. of Runs	Ave. Distance	Ave. Time	No. of Runs	Ave. Distance	Ave. Time
Route 8 - A985 between A90 Admiralty Junction and Cairneyhill Roundabout	Sep-11	1	9.7	00:10:09	1	9.7	00:10:18
	Oct-11	1	9.7	00:10:16	1	9.7	00:09:16
	Nov-11	1	9.7	00:09:06	1	9.7	00:09:50
	Dec-11	1	10.0	00:11:07	1	9.7	00:09:57
	Jan-12	1	9.7	00:11:03	1	9.7	00:09:50
	Feb-12	1	9.7	00:11:18	1	9.7	00:12:25
	Mar-12	1	9.7	00:10:37	1	9.7	00:09:02
	Apr-12	1	9.7	00:09:42	1	9.7	00:09:55
	May-12	1	9.7	00:09:58	1	9.7	00:09:21
	Jun-12	1	10.0	00:10:58	1	9.7	00:09:44
	Jul-12	1	9.5	00:09:07	1	9.5	00:09:22
	Aug-12	1	9.7	00:10:56	1	9.7	00:13:33
Sep-12	1	9.7	00:20:26	1	9.9	00:09:43	

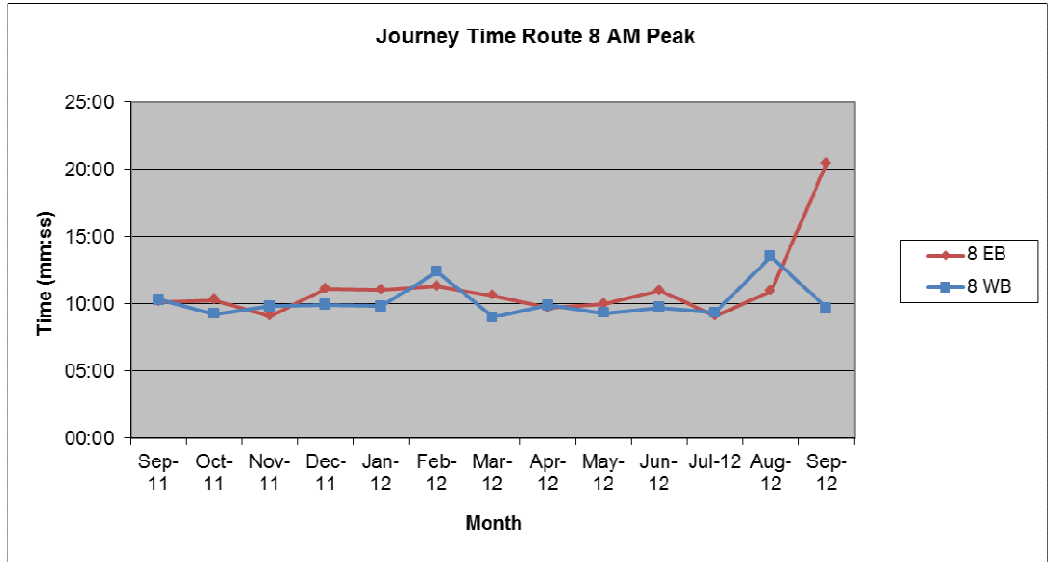


Figure 7-25 Route 8 A985 between A90 Admiralty Junction and Cairneyhill Roundabout AM Peak

Journey times on route 8 are generally consistent in both directions throughout the year. Localised congestion can be experienced due to the urban nature of sections of the route. There was a large increase in the eastbound journey time in September 2012 which was due to an accident on the A985. There was also an increase in the westbound journey time in February and August of 2012. The increase in February is a result of congestion around junctions within Rosyth, whilst the August 2012 journey time was delayed by the survey vehicle travelling behind a tractor for the duration of the route.

Table 7-16 Route 8 A985 between A90 Admiralty Junction and Cairneyhill Roundabout PM Peak

Route Description	Date	Eastbound			Westbound		
		No. of Runs	Ave. Distance	Ave. Time	No. of Runs	Ave. Distance	Ave. Time
Route 8 - A985 between A90 Admiralty Junction and Cairneyhill Roundabout	Sep-11	1	9.7	00:09:27	1	9.7	00:10:38
	Oct-11	1	9.7	00:11:34	1	9.7	00:10:48
	Nov-11	1	9.7	00:10:37	1	9.7	00:10:55
	Dec-11	1	9.7	00:11:15	1	9.7	00:09:07
	Jan-12	1	9.7	00:08:37	1	9.7	00:09:35
	Feb-12	1	9.7	00:09:26	1	9.7	00:09:13
	Mar-12	1	9.7	00:11:36	1	9.7	00:10:00
	Apr-12	1	9.7	00:09:17	1	9.7	00:09:36
	May-12	1	9.7	00:09:29	1	9.7	00:09:28
	Jun-12	1	9.7	00:11:23	1	9.7	00:09:28
	Jul-12	1	9.6	00:09:41	1	9.5	00:09:33
	Aug-12	1	9.7	00:13:25	1	9.7	00:10:46
Sep-12	1	9.5	00:09:26	1	9.6	00:10:01	

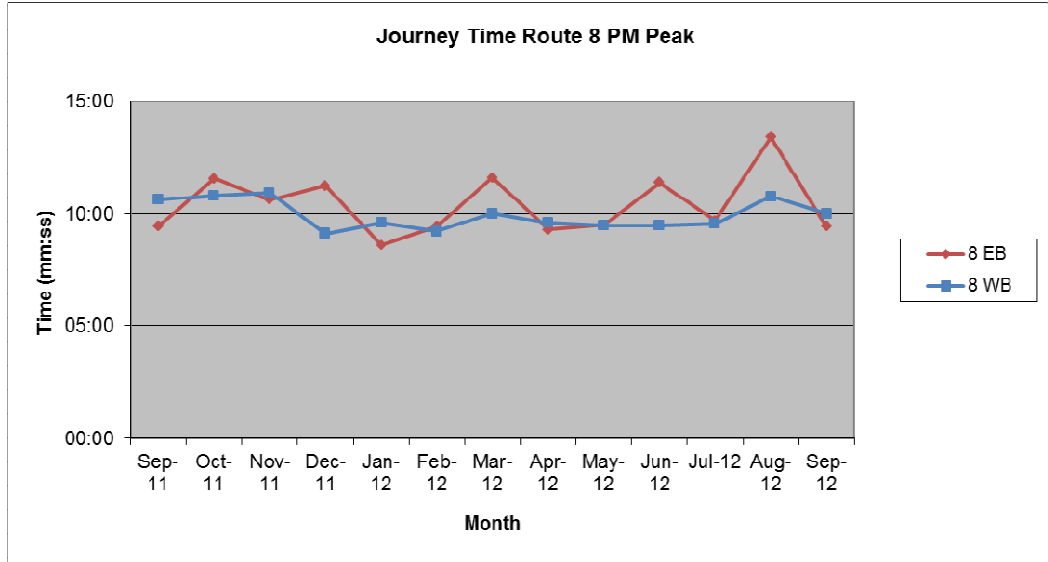


Figure 7-26 Route 8 A985 between A90 Admiralty Junction and Cairneyhill Roundabout PM Peak

During the PM Peak, the westbound journey times are again generally consistent throughout the year, however the eastbound journey times are more erratic. This is due to congestion within Rosyth on approach to Admiralty Junction.

7.10 Route 9 A994 / A907 between Cairneyhill Roundabout and M90 Halbeath Junction

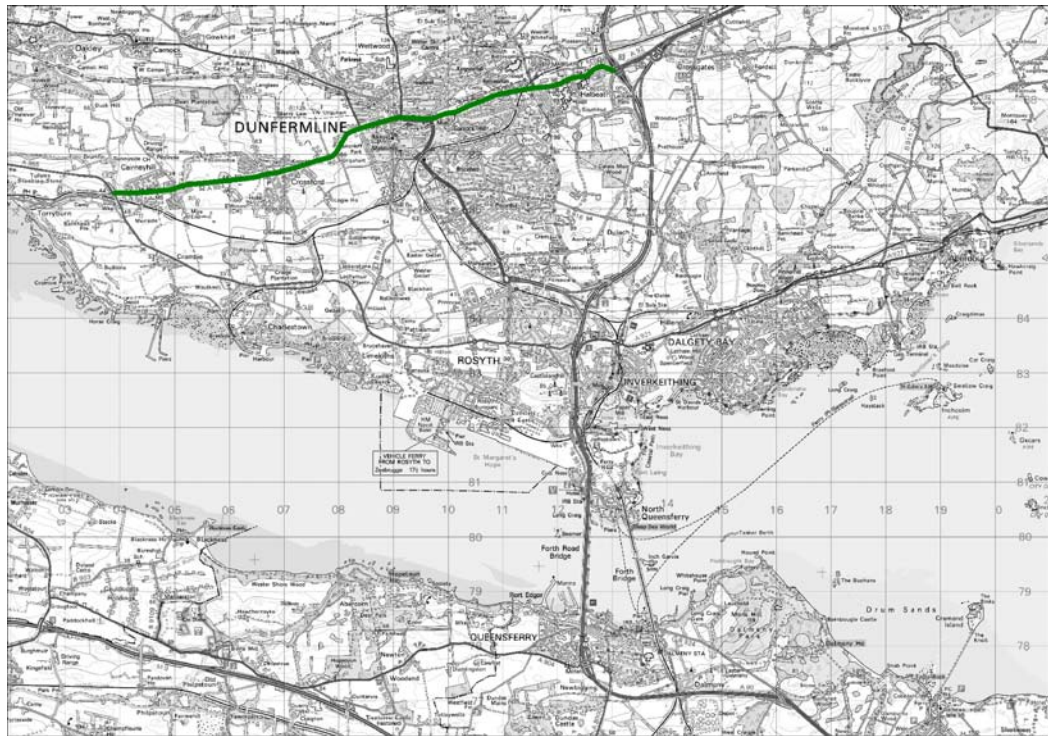


Figure 7-27 Route 9 A994 / A907 between Cairneyhill Roundabout and M90 Halbeath Junction

Table 7-17 Route 9 A994 / A907 between Cairneyhill Roundabout and M90 Halbeath Junction AM Peak

Route Description	Date	Eastbound			Westbound		
		No. of Runs	Ave. Distance	Ave. Time	No. of Runs	Ave. Distance	Ave. Time
Route 9 - A994 / A907 between Cairneyhill Roundabout and M90 Halbeath Junction	Sep-11	1	9.9	00:14:59	1	9.7	00:13:51
	Oct-11	1	9.7	00:16:46	1	9.7	00:15:06
	Nov-11	1	9.7	00:15:14	1	9.8	00:14:08
	Dec-11	1	9.7	00:18:17	1	9.8	00:15:28
	Jan-12	1	9.7	00:17:06	1	9.7	00:16:42
	Feb-12	1	9.7	00:17:54	1	9.7	00:15:11
	Mar-12	1	9.7	00:17:56	1	9.7	00:14:45
	Apr-12	1	9.7	00:13:41	1	9.7	00:16:33
	May-12	1	9.7	00:18:37	1	9.8	00:15:22
	Jun-12	1	9.4	00:17:08	1	9.8	00:17:34
	Jul-12	2	9.7	00:15:11	1	9.8	00:14:27
	Aug-12	1	9.7	00:20:53	1	9.8	00:16:17
Sep-12	2	9.7	00:18:00	3	9.7	00:15:47	

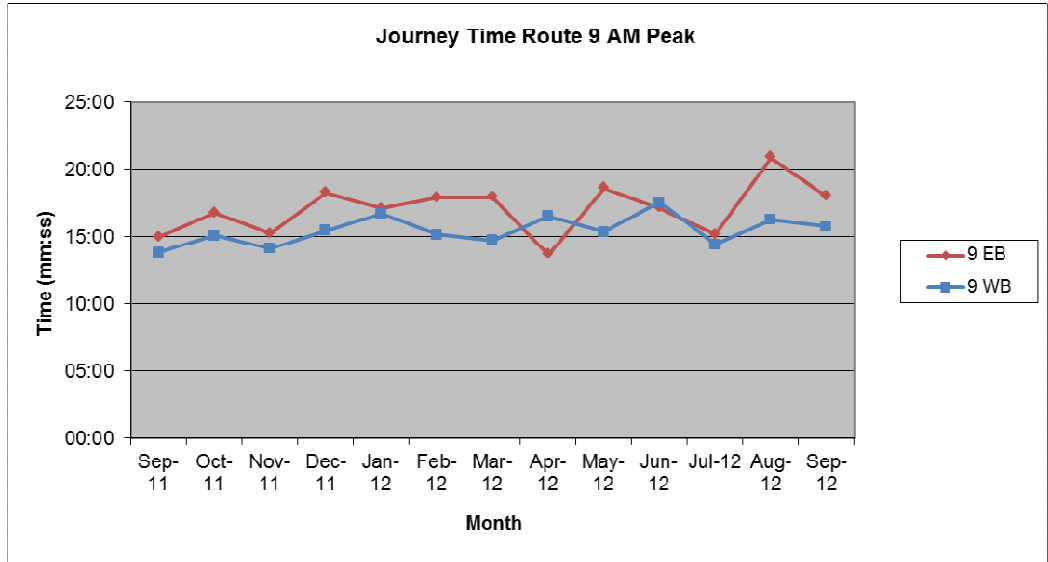


Figure 7-28 Route 9 A994 / A907 between Cairneyhill Roundabout and M90 Halbeath Junction AM Peak

As journey time route 9 travels through Dunfermline town centre, as well as a number of villages on the outskirts of Dunfermline, congestion and queuing at junctions can be experienced. This is reflected in the variability in the journey time surveys, particularly in the eastbound direction in the AM Peak. There are also a number of signalised junctions within Dunfermline which can result in some additional delay. The junction layout at the A907/A823 junction has been changed since the surveys began, with road works in place here for the majority of the year. These road works will also have had an effect on the varying levels of congestion.

Table 7-18 Route 9 A994 / A907 between Cairneyhill Roundabout and M90 Halbeath Junction PM Peak

Route Description	Date	Eastbound			Westbound		
		No. of Runs	Ave. Distance	Ave. Time	No. of Runs	Ave. Distance	Ave. Time
Route 9 - A994 / A907 between Cairneyhill Roundabout and M90 Halbeath Junction	Sep-11	1	9.7	00:18:29	1	9.8	00:14:56
	Oct-11	1	9.7	00:16:39	1	9.7	00:15:02
	Nov-11	1	9.7	00:18:43	1	9.7	00:15:50
	Dec-11	1	9.7	00:17:33	1	9.8	00:16:24
	Jan-12	1	9.7	00:15:53	1	9.7	00:16:49
	Feb-12	1	9.7	00:20:37	1	9.7	00:20:27
	Mar-12	1	9.7	00:16:00	1	9.7	00:19:05
	Apr-12	1	9.7	00:14:44	1	9.7	00:16:12
	May-12	1	9.7	00:19:59	1	9.8	00:17:08
	Jun-12	1	9.7	00:16:44	1	9.7	00:18:17
	Jul-12	1	9.7	00:15:57	1	9.7	00:15:33
	Aug-12	1	9.7	00:16:28	1	9.8	00:15:54
	Sep-12	4	9.7	00:17:17	3	9.7	00:17:59

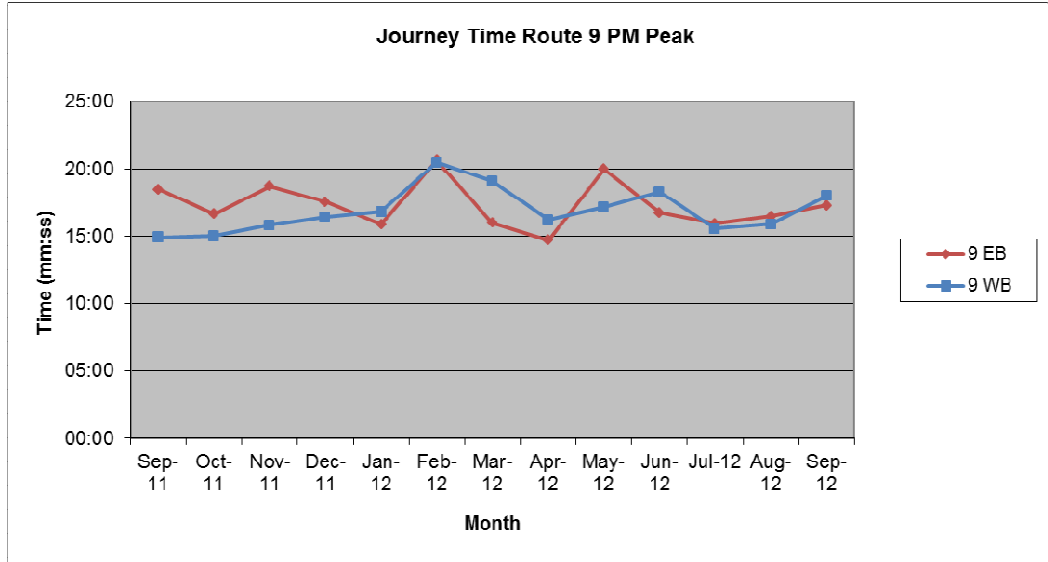


Figure 7-29 Route 9 A994 / A907 between Cairneyhill Roundabout and M90 Halbeath Junction PM Peak

A similar situation is experienced in the PM Peak, with congestion experienced in both directions, resulting in variations in journey time.

7.11 Route 10 A823 (M) between the A907 and M90 Masterton Junction



Figure 7-30 Route 10 A823 (M) between the A907 and M90 Masterton Junction

Table 7-19 Route 10 A823 (M) between the A907 and M90 Masterton Junction AM Peak

Route Description	Date	Northbound			Southbound		
		No. of Runs	Ave. Distance	Ave. Time	No. of Runs	Ave. Distance	Ave. Time
Route 10 - A823 (M) between the A907 and M90 Masterton Junction	Sep-11	1	4.5	00:06:33	1	4.9	00:06:39
	Oct-11	1	4.5	00:06:22	1	5.0	00:06:46
	Nov-11	1	4.6	00:06:52	1	5.0	00:07:57
	Dec-11	1	3.8	00:07:50	1	4.3	00:06:30
	Jan-12	1	4.6	00:08:32	1	4.9	00:06:54
	Feb-12	1	4.6	00:07:02	1	4.9	00:07:04
	Mar-12	1	4.6	00:06:17	1	4.9	00:06:15
	Apr-12	1	4.6	00:06:15	1	4.9	00:08:01
	May-12	1	4.5	00:05:33	1	4.9	00:06:07
	Jun-12	1	4.5	00:06:56	1	4.9	00:08:21
	Jul-12	1	4.5	00:05:53	1	4.9	00:05:58
	Aug-12	1	4.6	00:06:20	1	4.9	00:06:32
Sep-12	1	4.6	00:06:24	1	4.9	00:06:46	

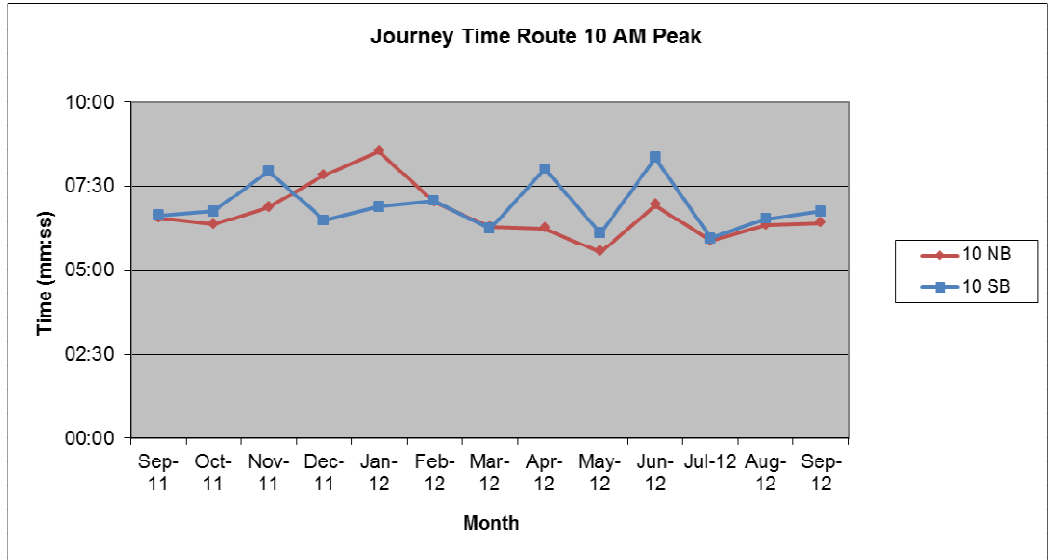


Figure 7-31 Route 10 A823 (M) between the A907 and M90 Masterton Junction AM Peak

Similar to route 9, route 10 travels through a congested urban network, with a number of signalised junctions and roundabouts. This can result in a variation in journey times. In general all of the journey time surveys reported the traffic level to be free flowing with some congestion at the roundabout at the railway station and the A823 (M). This congestion and the traffic signals may be the cause of the journey time variation.

Table 7-20 Route 10 A823 (M) between the A907 and M90 Masterton Junction PM Peak

Route Description	Date	Northbound			Southbound		
		No. of Runs	Ave. Distance	Ave. Time	No. of Runs	Ave. Distance	Ave. Time
Route 10 - A823 (M) between the A907 and M90 Masterton Junction	Sep-11	1	4.6	00:07:08	1	5.0	00:07:13
	Oct-11	1	4.6	00:07:11	1	5.0	00:07:21
	Nov-11	1	4.6	00:06:51	1	5.0	00:08:14
	Dec-11	1	4.6	00:06:29	1	5.0	00:08:25
	Jan-12	1	4.5	00:06:04	1	4.9	00:07:49
	Feb-12	1	4.5	00:07:02	1	5.0	00:07:25
	Mar-12	1	4.5	00:06:51	1	5.0	00:08:59
	Apr-12	1	4.6	00:06:32	1	5.0	00:05:54
	May-12	1	4.5	00:07:45	1	4.9	00:07:04
	Jun-12	1	4.5	00:07:10	1	4.9	00:06:52
	Jul-12	1	4.6	00:06:23	1	4.9	00:06:55
	Aug-12	1	4.6	00:06:08	1	4.9	00:05:49
	Sep-12	1	4.6	00:06:13	1	5.3	00:06:11

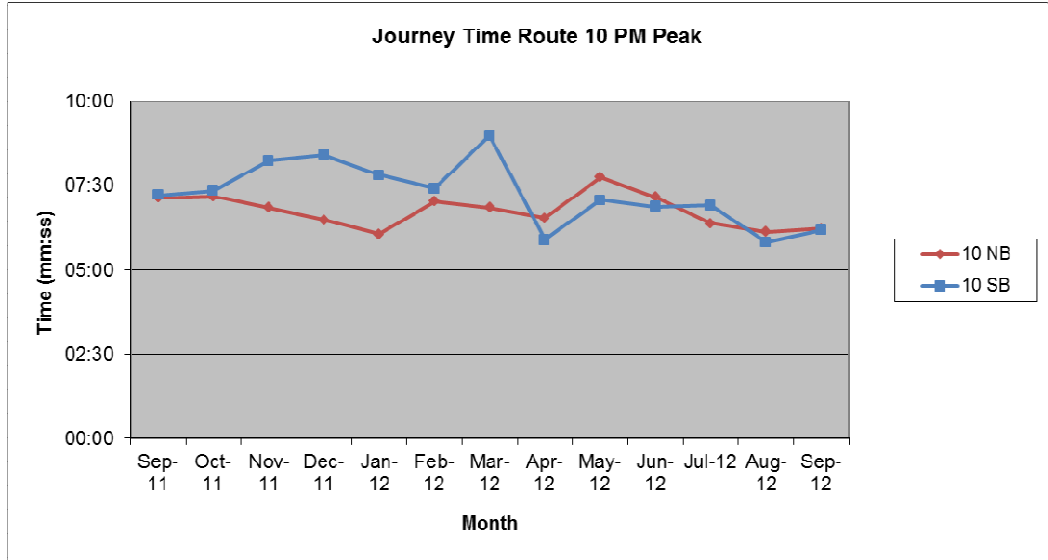


Figure 7-32 Route 10 A823 (M) between the A907 and M90 Masterton Junction PM Peak

Similar to the AM Peak, variations in journey time due to the junctions and traffic signals are experienced. In May 2012 some queuing was experienced on the A823 (M) where traffic management reduced the carriageway from two lanes to one, however in general the route was free flowing outwith the congestion at the roundabout and traffic signals. The increase in the southbound journey time in March 2012 was due to the survey vehicle being behind a hesitant driver at the railway station roundabout. This added approximately one minute to the journey time.

7.12 Route 11 A921 between the B9157 and A90 Admiralty Junction



Figure 7-33 Route 11 A921 between the B9157 and A90 Admiralty Junction

Table 7-21 Route 11 A921 between the B9157 and A90 Admiralty Junction AM Peak

Route Description	Date	Eastbound			Westbound		
		No. of Runs	Ave. Distance	Ave. Time	No. of Runs	Ave. Distance	Ave. Time
Route 11 - A921 between the B9157 and A90 Admiralty Junction	Sep-11	1	5.8	00:06:19	1	5.8	00:07:16
	Oct-11	1	5.8	00:06:16	1	5.8	00:08:18
	Nov-11	1	5.8	00:05:50	1	5.8	00:08:03
	Dec-11	1	5.8	00:07:10	1	5.8	00:07:56
	Jan-12	1	5.8	00:06:01	1	5.8	00:08:36
	Feb-12	1	5.8	00:06:51	1	5.8	00:06:28
	Mar-12	1	5.8	00:05:34	1	5.8	00:06:37
	Apr-12	1	5.8	00:06:41	1	5.8	00:07:04
	May-12	1	5.8	00:07:45	1	5.8	00:06:33
	Jun-12	1	5.8	00:07:31	1	5.8	00:06:24
	Jul-12	1	5.8	00:05:54	1	5.8	00:06:53
	Aug-12	1	5.8	00:05:53	1	5.8	00:06:32
Sep-12	1	5.8	00:07:09	1	5.7	00:06:51	

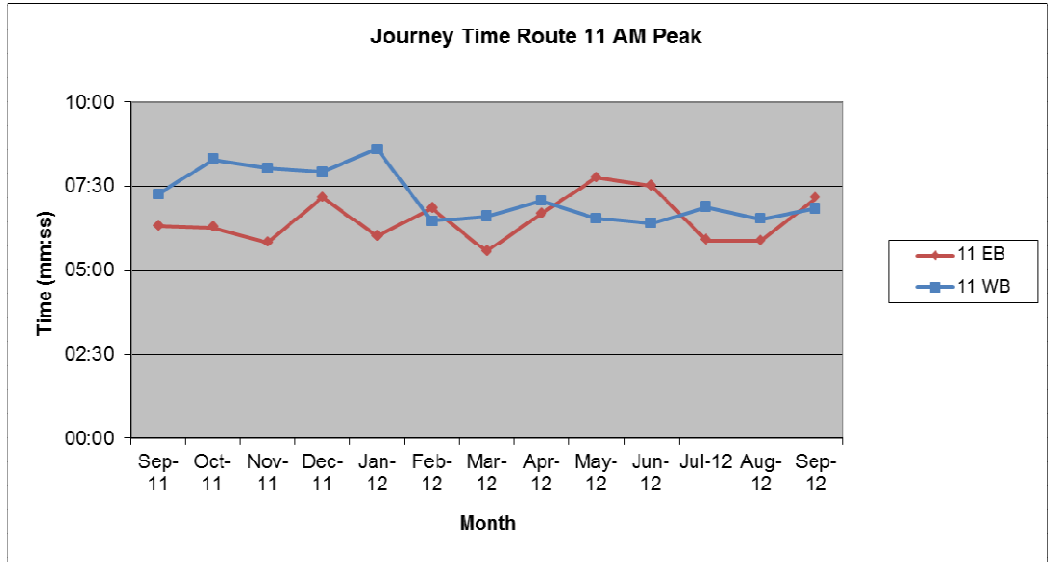


Figure 7-34 Route 11 A921 between the B9157 and A90 Admiralty Junction AM Peak

Journey time route 11 is generally free flowing with the exception of the approach to the double roundabout at the A921/A981 junction. Congestion is experienced in both directions at this junction. This results in journey time variability as the level of congestion is not consistent from one day to the next. There is also congestion on the westbound approach to Admiralty Junction in the AM Peak.

Table 7-22 Route 11 A921 between the B9157 and A90 Admiralty Junction PM Peak

Route Description	Date	Eastbound			Westbound		
		No. of Runs	Ave. Distance	Ave. Time	No. of Runs	Ave. Distance	Ave. Time
Route 11 - A921 between the B9157 and A90 Admiralty Junction	Sep-11	1	5.8	00:06:22	1	5.8	00:05:46
	Oct-11	1	5.8	00:07:07	1	5.8	00:07:00
	Nov-11	1	5.8	00:06:49	1	5.8	00:07:26
	Dec-11	1	5.8	00:08:49	1	5.8	00:07:14
	Jan-12	1	5.8	00:06:42	1	5.8	00:07:28
	Feb-12	1	5.8	00:08:19	1	5.8	00:07:00
	Mar-12	1	5.8	00:06:10	1	5.8	00:06:26
	Apr-12	1	5.8	00:06:30	1	5.8	00:07:58
	May-12	1	5.8	00:07:29	1	5.8	00:07:18
	Jun-12	1	5.8	00:06:53	1	5.8	00:06:36
	Jul-12	1	5.8	00:06:55	1	5.8	00:06:35
	Aug-12	1	5.8	00:06:00	1	5.8	00:06:34
Sep-12	1	5.9	00:06:22	1	5.8	00:07:29	

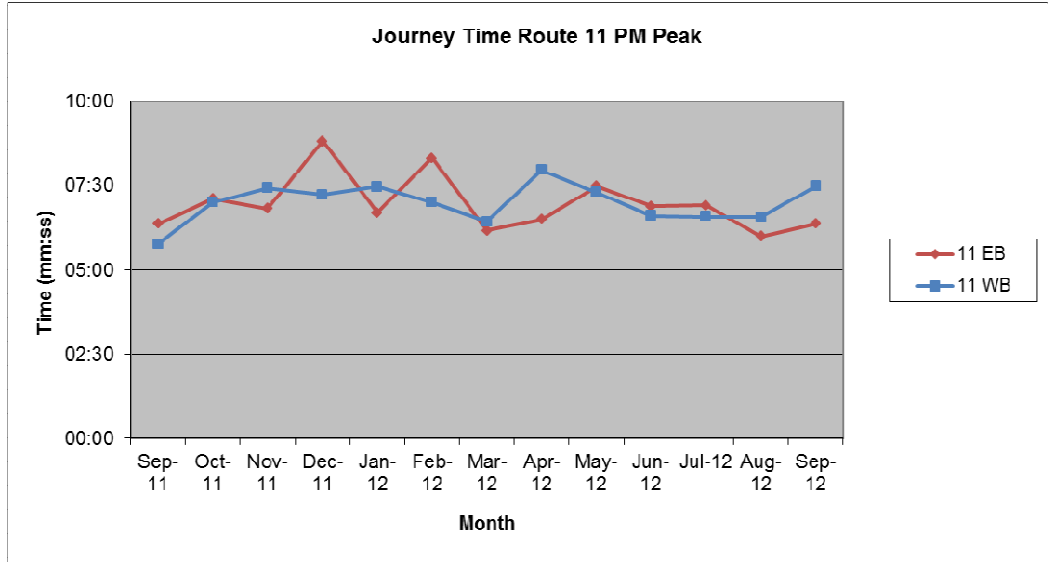


Figure 7-35 Route 11 A921 between the B9157 and A90 Admiralty Junction PM Peak

The same issue arises in the PM Peak with congestion experienced around Admiralty Junction and the double roundabout at the A921/B981 junction, resulting in journey time variability.

7.13 Route 12 B981 between A92 and A90 Admiralty Junction



Figure 7-36 Route 12 B981 between A92 and A90 Admiralty Junction

Table 7-23 Route 12 B981 between A92 and A90 Admiralty Junction AM Peak

Route Description	Date	Northbound			Southbound		
		No. of Runs	Ave. Distance	Ave. Time	No. of Runs	Ave. Distance	Ave. Time
Route 12 - B981 between A92 and A90 Admiralty Junction	Sep-11	1	7.1	00:07:49	1	7.1	00:07:23
	Oct-11	1	7.1	00:07:04	1	7.1	00:08:14
	Nov-11	1	7.1	00:06:37	1	7.1	00:07:40
	Dec-11	1	7.0	00:07:33	1	7.1	00:08:39
	Jan-12	1	7.1	00:07:28	1	7.1	00:07:30
	Feb-12	1	7.1	00:07:29	1	7.1	00:07:39
	Mar-12	1	7.1	00:06:35	1	7.1	00:07:30
	Apr-12	1	7.0	00:07:50	1	7.1	00:09:31
	May-12	1	7.1	00:08:44	1	7.1	00:07:38
	Jun-12	1	6.9	00:06:47	1	7.1	00:07:46
	Jul-12	1	6.8	00:07:10	1	6.7	00:07:40
	Aug-12	1	6.8	00:07:26	1	7.0	00:06:50
Sep-12	1	6.9	00:08:19	1	6.9	00:07:12	

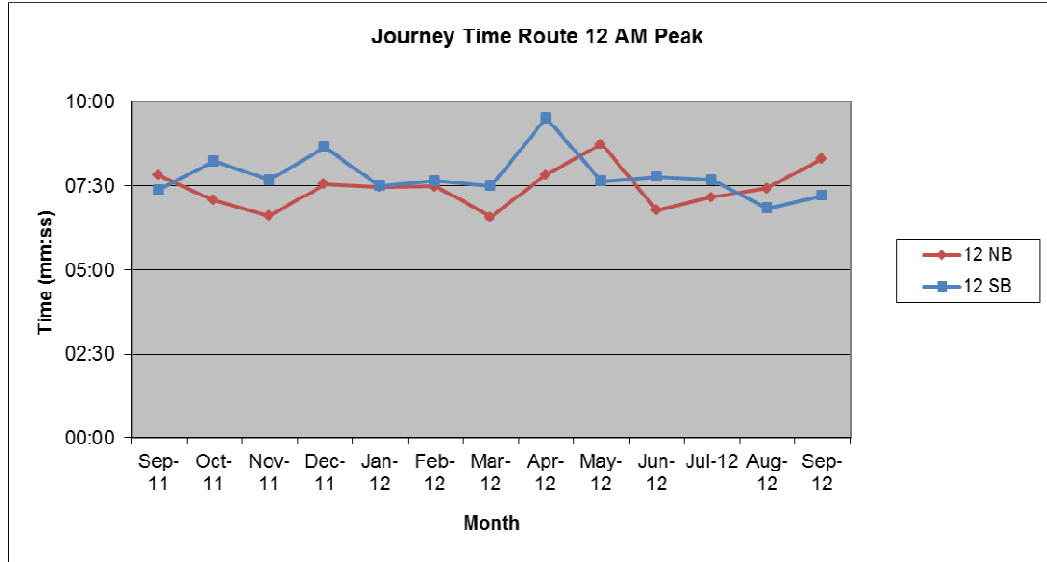


Figure 7-37 Route 12 B981 between A92 and A90 Admiralty Junction AM Peak

Journey time route 12 has the same issue as journey time route 11, as it passes through the same section of the A921 between Admiralty Junction and the B981. In addition to this, there is congestion within Crossgates to the north of route 12, resulting in further variation in journey time. The increased southbound journey time in April 2012 was a result of queuing traffic approaching the double roundabout at the B981/A921 junction.

Table 7-24 Route 12 B981 between A92 and A90 Admiralty Junction PM Peak

Route Description	Date	Northbound			Southbound		
		No. of Runs	Ave. Distance	Ave. Time	No. of Runs	Ave. Distance	Ave. Time
Route 12 - B981 between A92 and A90 Admiralty Junction	Sep-11	1	7.1	00:07:31	1	7.1	00:08:01
	Oct-11	1	7.1	00:09:58	1	7.1	00:09:03
	Nov-11	1	7.0	00:09:47	1	7.1	00:07:56
	Dec-11	1	7.0	00:09:23	1	7.1	00:08:38
	Jan-12	1	7.1	00:09:03	1	7.1	00:07:47
	Feb-12	1	7.1	00:07:16	1	7.1	00:07:20
	Mar-12	1	7.1	00:08:06	1	7.1	00:06:51
	Apr-12	1	7.1	00:12:47	1	7.1	00:07:16
	May-12	1	7.1	00:07:49	1	7.1	00:07:58
	Jun-12	1	7.1	00:07:31	1	7.1	00:08:37
	Jul-12	1	6.7	00:07:04	1	6.9	00:07:48
	Aug-12	1	7.0	00:07:28	1	7.1	00:08:16
Sep-12	1	7.2	00:10:13	1	7.0	00:07:21	

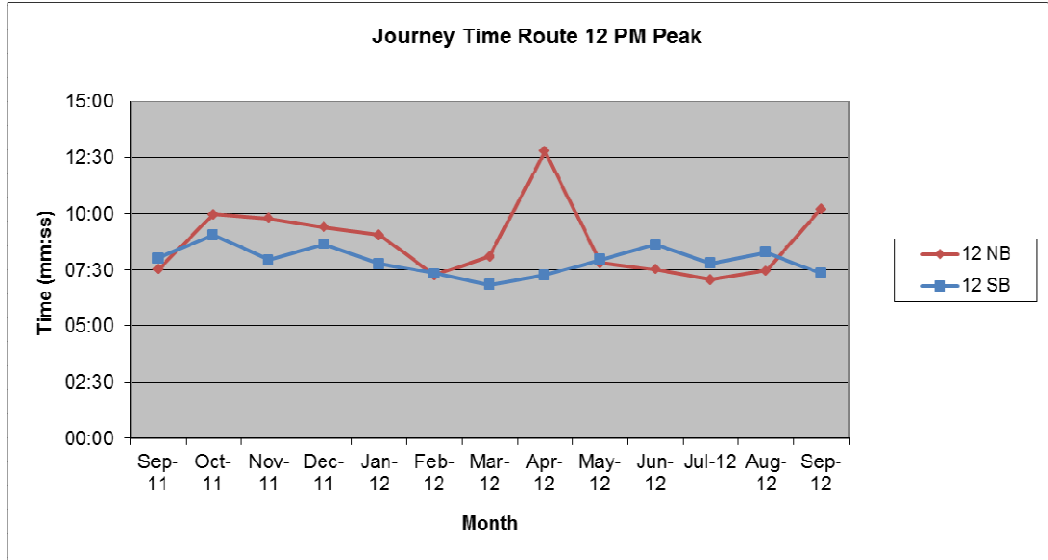


Figure 7-38 Route 12 B981 between A92 and A90 Admiralty Junction PM Peak

The same issues arise in the PM Peak with congestion experienced around Admiralty Junction, the double roundabout at the A921/B981 junction and within Crossgates itself. The increased northbound journey time in April 2012 was a result of queuing traffic entering Crossgates due to traffic calming on the approach to the village.

7.14 Route 13 A904 Old Philpstoun to Echline Junction



Figure 7-39 Route 13 A904 Old Philpstoun to Echline Junction

Table 7-25 Route 13 A904 Old Philpstoun to Echline Junction AM Peak

Route Description	Date	Eastbound			Westbound		
		No. of Runs	Ave. Distance	Ave. Time	No. of Runs	Ave. Distance	Ave. Time
Route 13 - A904 Old Philpstoun to Echline Junction	Sep-11	1	7.0	00:06:38	1	7.0	00:06:02
	Oct-11	1	7.0	00:06:02	2	7.0	00:06:23
	Nov-11	1	7.0	00:06:48	1	7.0	00:06:05
	Dec-11	1	7.0	00:06:41	1	7.0	00:06:34
	Jan-12	1	7.0	00:06:13	1	7.0	00:06:07
	Feb-12	1	7.0	00:07:03	1	7.0	00:06:38
	Mar-12	1	7.0	00:07:18	1	7.0	00:06:59
	Apr-12	1	7.0	00:07:56	1	7.0	00:06:52
	May-12	1	7.0	00:06:58	1	7.0	00:06:39
	Jun-12	1	7.0	00:07:13	1	7.0	00:06:43
	Jul-12	1	7.0	00:07:39	1	7.0	00:06:31
	Aug-12	1	7.0	00:07:25	1	7.0	00:06:23
Sep-12	1	7.0	00:08:10	1	7.0	00:06:31	

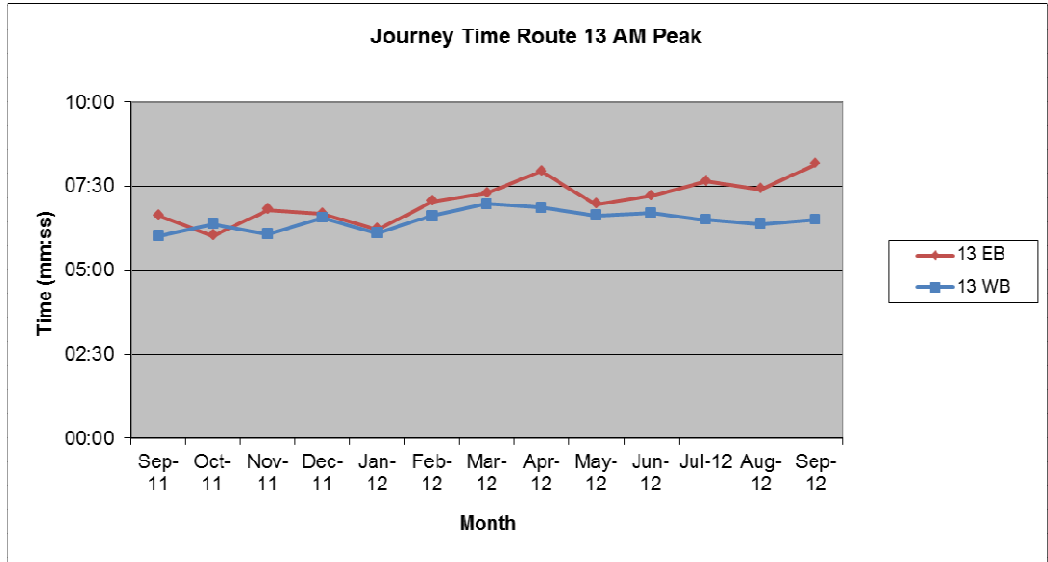


Figure 7-40 Route 13 A904 Old Philpstoun to Echline Junction AM Peak

Journey time surveys along route 13 have been generally consistent during the AM Peak, with some slight increases from January 2012 onwards. The speed limit on the A904 to the west of Echline Junction has been reduced from 40 mph to 30 mph resulting in a slightly slower journey time. Congestion can also be encountered around Echline Junction which has resulted in some journey time variation.

Table 7-26 Route 13 A904 Old Philpstoun to Echline Junction PM Peak

Route Description	Date	Eastbound			Westbound		
		No. of Runs	Ave. Distance	Ave. Time	No. of Runs	Ave. Distance	Ave. Time
Route 13 - A904 Old Philpstoun to Echline Junction	Sep-11	1	7.0	00:06:14	1	7.0	00:06:31
	Oct-11	1	7.0	00:06:24	1	7.0	00:06:44
	Nov-11	1	7.0	00:06:41	1	7.0	00:06:42
	Dec-11	1	7.0	00:06:40	1	7.0	00:07:25
	Jan-12	1	7.0	00:06:27	1	7.0	00:07:01
	Feb-12	1	7.0	00:07:10	1	7.0	00:06:58
	Mar-12	1	7.0	00:06:40	1	7.0	00:06:59
	Apr-12	1	7.0	00:11:21	1	7.0	00:06:51
	May-12	1	7.0	00:06:48	1	7.0	00:06:47
	Jun-12	1	7.0	00:07:08	1	7.0	00:06:28
	Jul-12	1	7.0	00:13:23	1	7.0	00:06:46
	Aug-12	1	7.0	00:07:09	1	7.0	00:06:54
Sep-12	1	7.0	00:06:48	1	7.0	00:06:53	

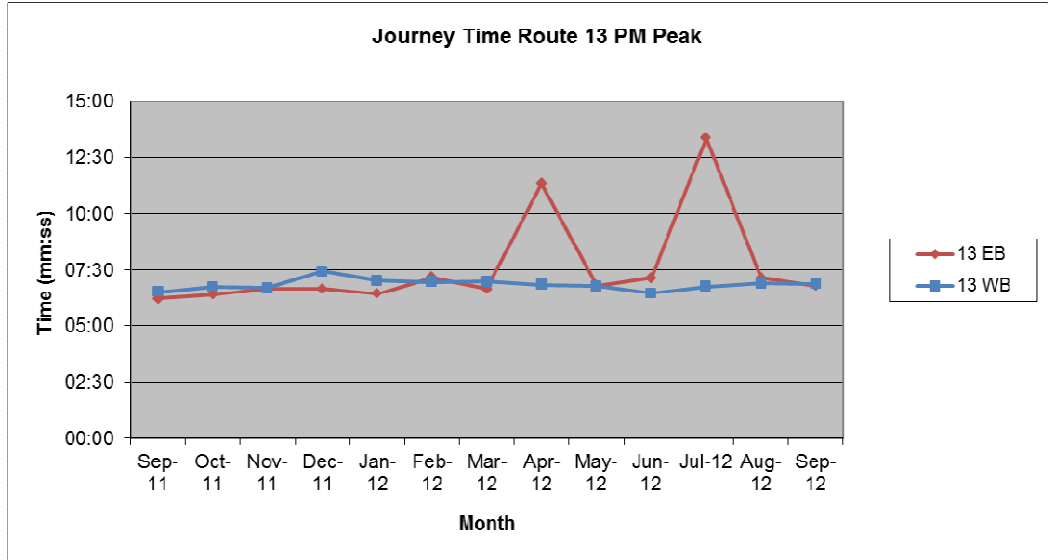


Figure 7-41 Route 13 A904 Old Philpstoun to Echline Junction PM Peak

The journey times are generally consistent in both directions during the PM Peak with the exception of April and July 2012, when the eastbound journey times increased to approximately 11 minutes and 13 minutes respectively. These increases were due to congestion approaching Echline junction. The reason for the delay at the roundabout is unclear but could be a result of queuing on approach to the FRB backing up onto the junction.

Appendix A Automatic Traffic Counter Locations



Figure 7-42 Automatic Traffic Counter Locations - Kincardine Area

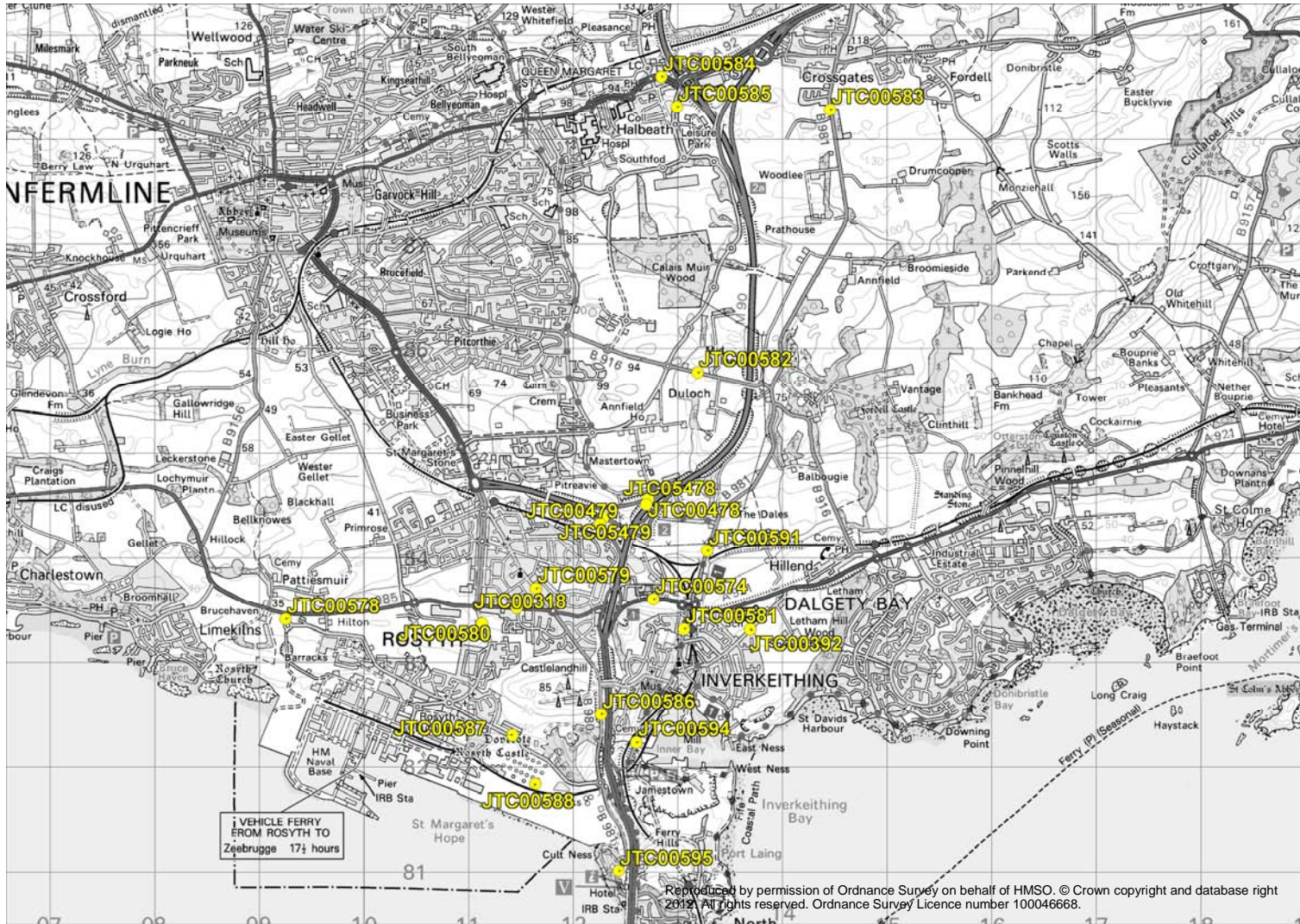
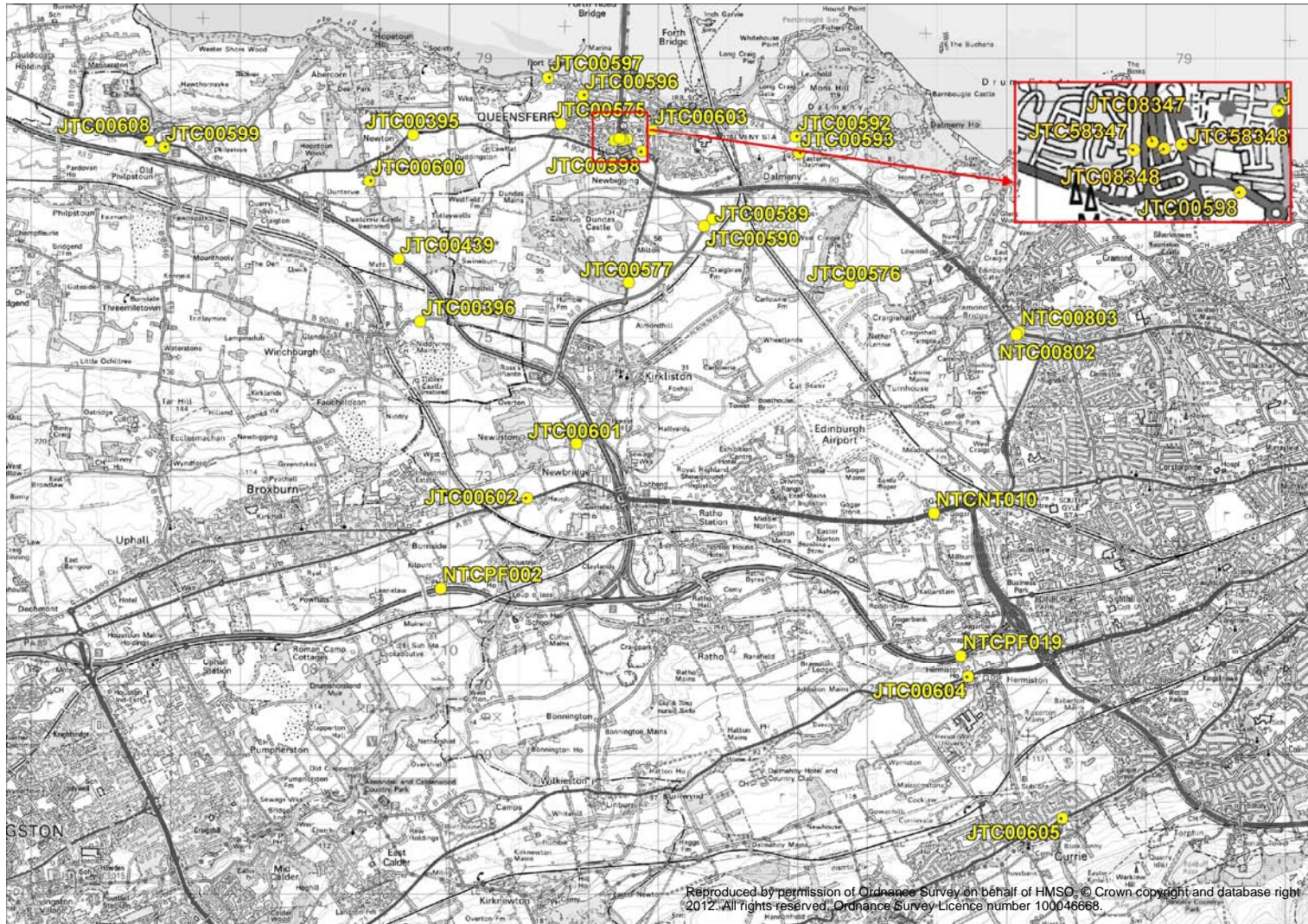


Figure 7-43 Automatic Traffic Counter Locations – Fife Area



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Figure 7-44 Automatic Traffic Counter Locations – Edinburgh Area