

**Forth Replacement Crossing**

**Traffic Monitoring Annual Report:  
2012 - 2013**

**May 2014**

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# Contents

<b>1</b>	<b>Introduction</b>	<b>1</b>
1.1	Background	1
1.2	ATC Data Reporting	1
1.3	Report Structure	2
<b>2</b>	<b>Traffic Flow Data</b>	<b>3</b>
2.1	Introduction	3
2.2	Traffic Flow Data Suitability	3
2.3	Contents of the Traffic Flow Analysis	4
<b>3</b>	<b>Motorway Automatic Traffic Counters</b>	<b>5</b>
3.1	Traffic Counter JTC00068 – M9 200m South of Keir Roundabout	5
3.2	Traffic Counter JTC00439 – M9 South of Junction 2 (Philpstoun)	18
3.3	Traffic Counter JTC06460 – A823 (M) M90 Junction 2 Southbound On-Ramp	32
3.4	Traffic Counter JTC00479 – A823 (M) M90 Junction 2 Southbound Off-Ramp	35
3.5	Traffic Counter JTC00589 – A8000 / M9 Spur Northbound	42
3.6	Traffic Counter JTC00590 – A8000 / M9 Spur Southbound	50
3.7	Traffic Counter JTC06450 – A823 (M) M90 Junction 2 Northbound On-Ramp	57
3.8	Traffic Counter JTC05479 – A823 (M) M90 Junction 2 Northbound Off-Ramp	59
3.9	Traffic Counter NTCPF019 – M8 West of A720 Junction (Hermiston Gait)	67
<b>4</b>	<b>A-Road Automatic Traffic Counter Data</b>	<b>81</b>
4.1	Traffic Counter JTC00318 - A985 Rosyth (Admiralty Road West)	81
4.2	Traffic Counter JTC00395 - A904 (East of Newton)	94
4.3	Traffic Counter JTC00507 – A876 Clackmannanshire Bridge (South)	107
4.4	Traffic Counter JTC00573 – A91	120
4.5	Traffic Counter JTC00574 – A921 Admiralty Road (Inverkeithing)	133
4.6	Traffic Counter JTC00578 – A921 Hilton Road (Rosyth)	146
4.7	Traffic Counter JTC00584 – A907 Halbeath Road	159
4.8	Traffic Counter JTC00598 – B800 Ferry Muir Road	172
4.9	Traffic Counter JTC00602 – A89	185
4.10	Traffic Counter JTC00604 – A71 Riccarton	198
4.11	Traffic Counter JTC00605 – A70 Lanark Road	211
4.12	Traffic Counter JTC00606 – A985 Kincardine Bridge	224
4.13	Traffic Counter JTC00607 – A9 Causewayhead Road (Stirling)	237
4.14	Traffic Counter JTC00608 – A904 Old Philpstoun	250
4.15	Traffic Counter JTC08347 – A90 Echline Junction Northbound (Main Carriageway)	263

4.16	Traffic Counter JTC08348 – A90 Echline Junction Southbound (Main Carriageway)	270
4.17	Traffic Counter JTC58347 – A90 Echline Junction Northbound On-Ramp	277
4.18	Traffic Counter JTC58348 – A90 Echline Junction Southbound Off-Ramp	284
4.19	Traffic Counter NTC00802 – A90 Northbound (West of Barnton)	291
4.20	Traffic Counter NTC00803 – A90 Southbound (West of Barnton)	298
4.21	Traffic Counter NTCNT010 – A8 West of A720 City Bypass (Gogar)	305
<b>5</b>	<b>B-Road Automatic Traffic Counter Data</b>	<b>315</b>
5.1	Traffic Counter JTC00396 – B9080 (East of Winchburgh)	315
5.2	Traffic Counter JTC00575 – B924 Bo’ness Road (South Queensferry)	328
5.3	Traffic Counter JTC00577 – B800 Queensferry Road (North of Kirkliston)	341
5.4	Traffic Counter JTC00581 – B981 Chapel Place (Inverkeithing)	354
5.5	Traffic Counter JTC00582 – B916 Aberdour Road (Dunfermline)	367
5.6	Traffic Counter JTC00583 – B981 Inverkeithing Road (Crossgates)	380
5.7	Traffic Counter JTC00586 – B980 Castlandhill Road	393
5.8	Traffic Counter JTC00592 – B924 Hawes Brae (South Queensferry)	406
5.9	Traffic Counter JTC00594 – B981 Hope Street (Inverkeithing)	419
5.10	Traffic Counter JTC00595 – B981 North Queensferry	432
5.11	Traffic Counter JTC00599 – B8046 Old Philpstoun	445
5.12	Traffic Counter JTC00600 – B8020 South of A904 Junction	458
5.13	Traffic Counter JTC00601 – New Liston Road	468
5.14	Traffic Counter JTC00603 – B907 Kirkliston Road (South Queensferry)	481
<b>6</b>	<b>Other Roads – Automatic Traffic Counter Data</b>	<b>494</b>
6.1	Traffic Counter JTC00392 – Hillend Road (West of Inverkeithing)	494
6.2	Traffic Counter JTC00576 – Burnshot Road (West of Craigiehall)	507
6.3	Traffic Counter JTC00579 – Queensferry Road (Rosyth)	520
6.4	Traffic Counter JTC00580 – Castle Road (Rosyth)	533
6.5	Traffic Counter JTC00585 – Sanderling Way (Dunfermline)	546
6.6	Traffic Counter JTC00587 – Ferry Toll Road	559
6.7	Traffic Counter JTC00588 – King Malcolm Drive (Rosyth)	572
6.8	Traffic Counter JTC00593 – Main Street West (Dalmeny)	585
6.9	Traffic Counter JTC00596 – Society Road (South Queensferry)	598
6.10	Traffic Counter JTC00597 – Society Road (South Queensferry)	607
<b>7</b>	<b>Journey Times</b>	<b>616</b>
7.1	Introduction	616
7.2	Route 1 A90 M9 Junction 6 to M90 Halbeath Junction via Kincardine Bridge	620
7.3	Route 2 M9 Junction 6 to M90 Halbeath Junction via FRC / FRB	623
7.4	Route 3 A90 Echline Junction to Maybury Junction	626
7.5	Route 4 M9 Newbridge Junction to Echline Junction via the M9 Spur	629
7.6	Route 5 Newbridge Junction to the A720 Hermiston Gait via the M9/M8	632

7.7	Route 6 A8 Gogar Junction to Newbridge Junction	635
7.8	Route 7 A90 Echline Junction to the M90 Halbeath Junction	638
7.9	Route 8 A985 between A90 Admiralty Junction and Cairneyhill Roundabout	641
7.10	Route 9 A994 / A907 between Cairneyhill Roundabout and M90 Halbeath Junction	644
7.11	Route 10 A823 (M) between the A907 and M90 Masterton Junction	647
7.12	Route 11 A921 between the B9157 and A90 Admiralty Junction	650
7.13	Route 12 B981 between A92 and A90 Admiralty Junction	653
7.14	Route 13 A904 Old Philpstoun to Echline Junction	656

## 1

**Introduction****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<sup>rd</sup> 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 2012 to September 2013. It therefore allows a comparison of data for the second year of monitoring. The report also contains the details of journey time surveys undertaken between September 2012 and September 2013, 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 second 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.

### 1.3 Report Structure

The outline report structure is as follows:

- Section 2 details the methodology for collecting and reporting traffic flow data, analysis of currently available traffic flow data, and details the structure of the report for each individual counter throughout the monitoring period;
- Sections 3 to 6 contain the analysis of each individual counter for August 2012 to September 2013; and
- Section 7 details the methodology for collecting and reporting journey time data and presents the findings of the journey time surveys undertaken in the second year of monitoring, from September 2012 to September 2013.

## 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 2012 and September 2013, are presented in section 4 (Motorways), 5 (A-Roads), 6 (B-Roads) and 7 (Other Roads) for comparison. Traffic flows for August 2011 to September 2012 have also been included where available, for comparison with the 2012-2013 data.

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 2012 and September 2013:

- There was limited traffic flow data available for August 2012 to August 2013, therefore the data was not considered to be sufficiently representative for analysis.

#### 3.1.1 Monthly Average Traffic Flows

**Table 3-1 Site: JTC00068 Annual Traffic Flows – August 2012 to September 2013**

Counter	Location	Date	NB	SB	Two Way
JTC00068	M9 200m South of Keir Roundabout	Aug-11	17,017	17,681	34,698
		Aug-12	No Data	No Data	No Data
		Sep-12	No Data	No Data	No Data
		Oct-12	No Data	No Data	No Data
		Nov-12	No Data	No Data	No Data
		Dec-12	No Data	No Data	No Data
		Jan-13	No Data	No Data	No Data
		Feb-13	No Data	No Data	No Data
		Mar-13	No Data	No Data	No Data
		Apr-13	No Data	No Data	No Data
		May-13	No Data	No Data	No Data
		Jun-13	No Data	No Data	No Data
		Jul-13	No Data	No Data	No Data
		Aug-13	No Data	No Data	No Data
		Sep-13	625	18,534	19,159
<b>Annual Average</b>	<b>No Data</b>	<b>No Data</b>	<b>No Data</b>		

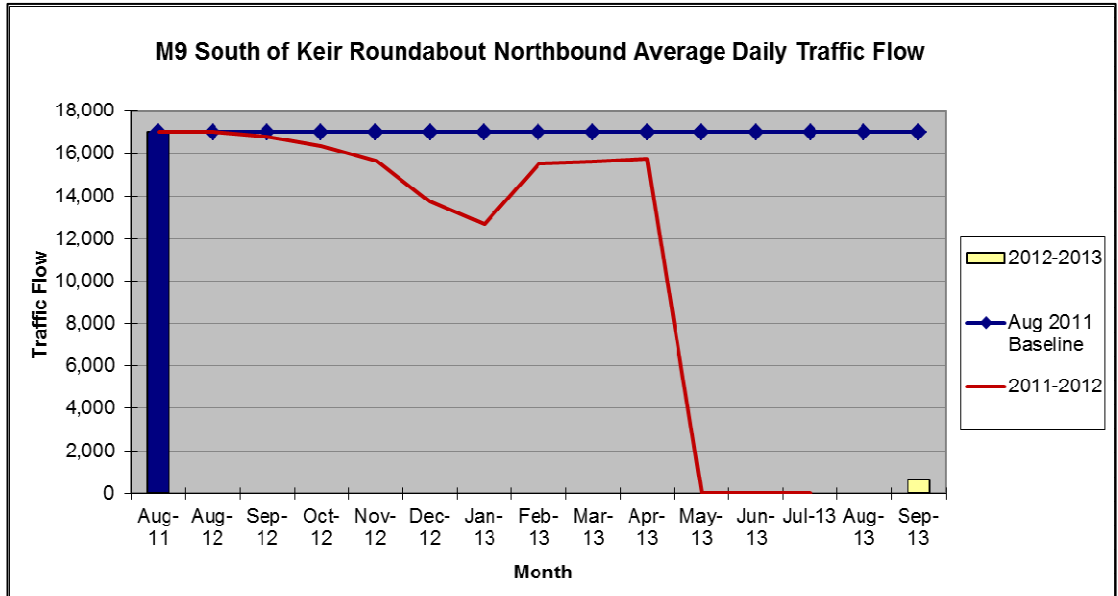


Figure 3-1 Monthly Northbound AADTs on the M9 200m South of Keir Roundabout

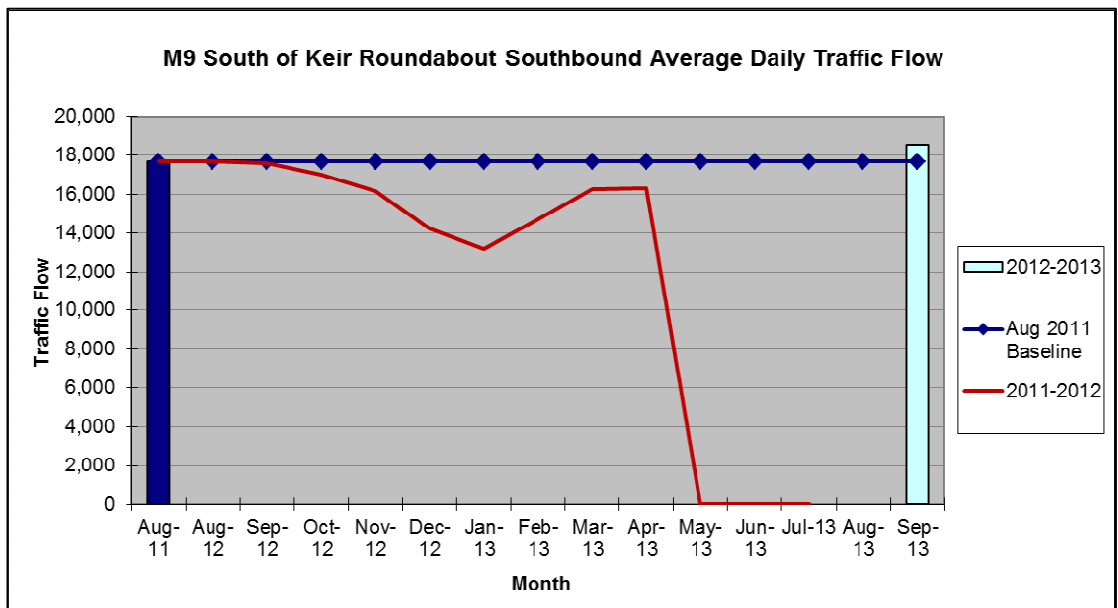


Figure 3-2 Monthly Southbound AADTs on the M9 200m South of Keir Roundabout

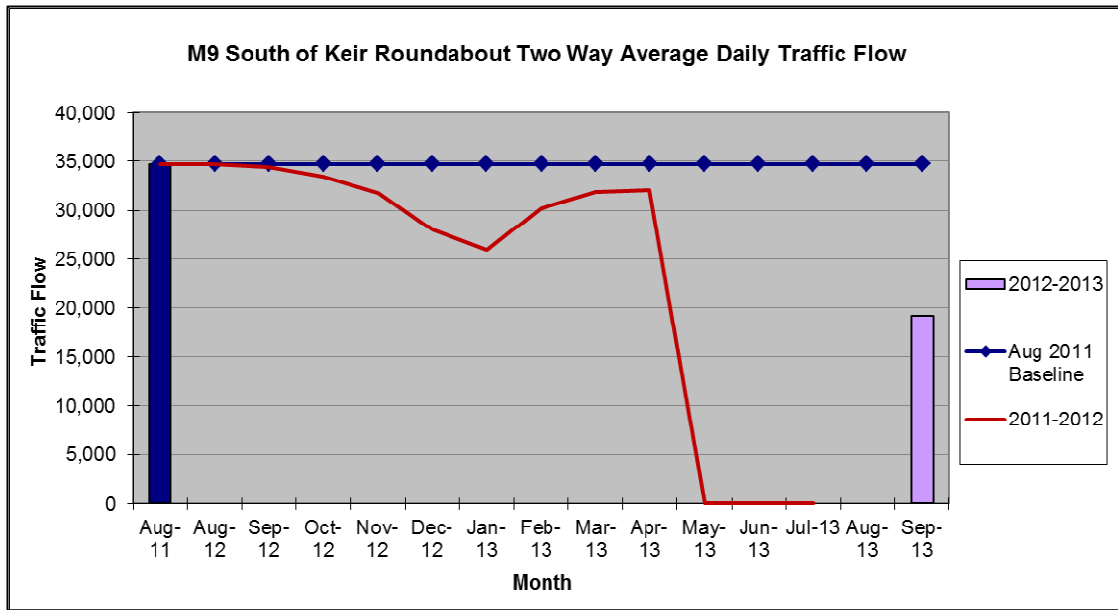


Figure 3-3 Monthly Two Way Daily Traffic Flows on the M9 200m South of Keir Roundabout

### 3.1.2 Monthly Average AM Peak Traffic Flows

Table 3-2 Site: JTC00068 AM Peak Traffic Flows – August 2012 to September 2013

Counter	Location	Date	NB	SB	Two Way
JTC00068	M9 200m South of Keir Roundabout	Aug-11	3,051	3,042	6,092
		Aug-12	No Data	No Data	No Data
		Sep-12	No Data	No Data	No Data
		Oct-12	No Data	No Data	No Data
		Nov-12	No Data	No Data	No Data
		Dec-12	No Data	No Data	No Data
		Jan-13	No Data	No Data	No Data
		Feb-13	No Data	No Data	No Data
		Mar-13	No Data	No Data	No Data
		Apr-13	No Data	No Data	No Data
		May-13	No Data	No Data	No Data
		Jun-13	No Data	No Data	No Data
		Jul-13	No Data	No Data	No Data
		Aug-13	No Data	No Data	No Data
Sep-13	No Data	2,958	2,958		
		<b>Annual Average</b>	<b>No Data</b>	<b>No Data</b>	<b>No Data</b>

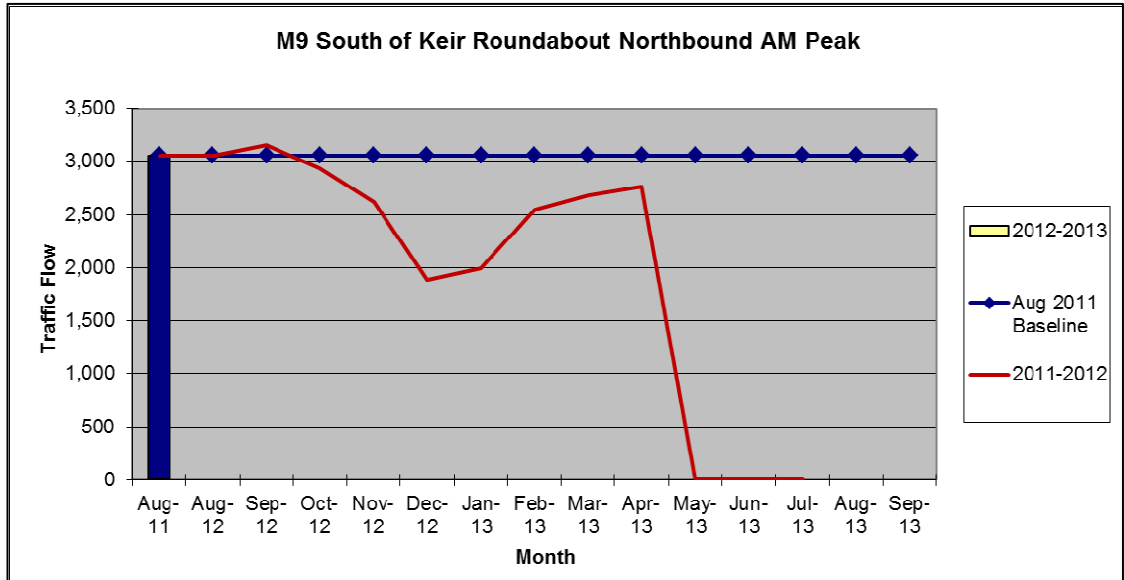


Figure 3-4 Monthly Northbound AM Peak Flows on the M9 200m South of Keir Roundabout

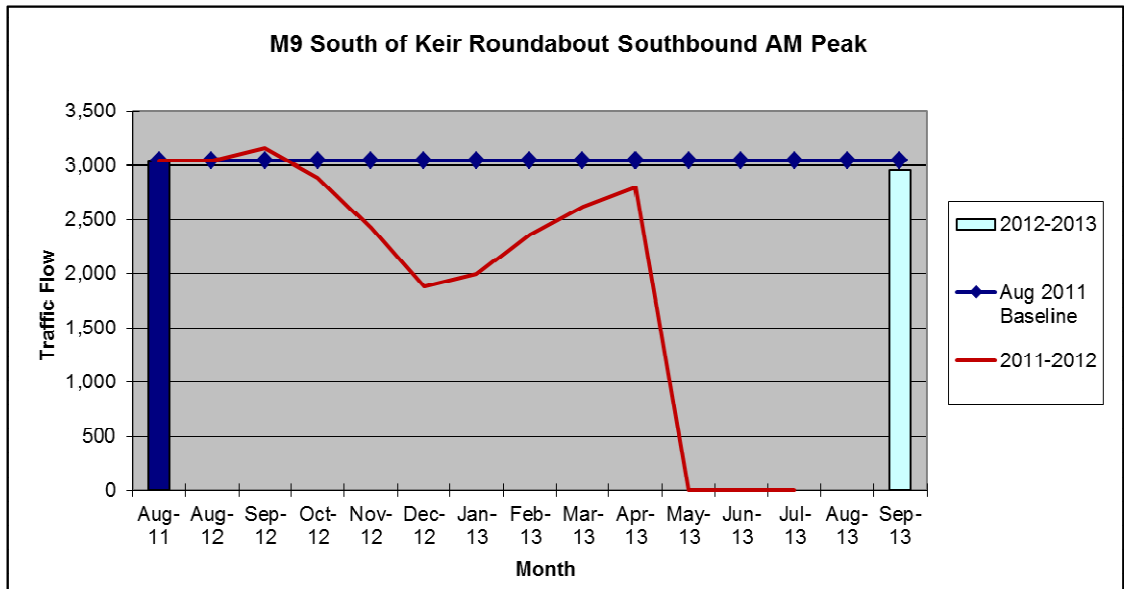


Figure 3-5 Monthly Southbound AM Peak Flows on the M9 200m South of Keir Roundabout

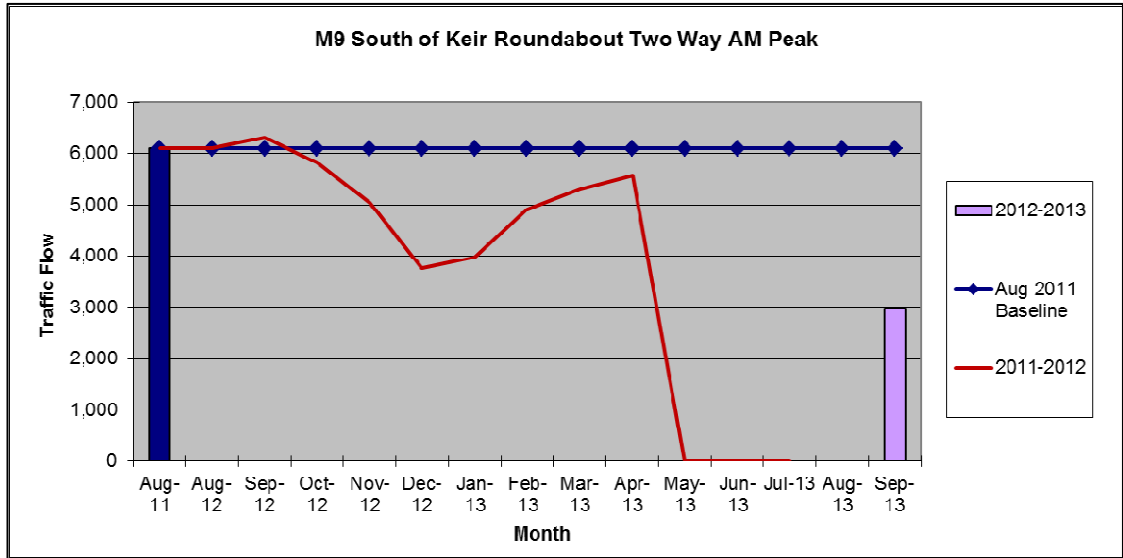


Figure 3-6 Monthly Two Way AM Peak Flows on the M9 200m South of Keir Roundabout

### 3.1.3 Monthly Average PM Peak Traffic Flows

Table 3-3 Site: JTC00068 PM Peak Traffic Flows – August 2012 to September 2013

Counter	Location	Date	NB	SB	Two Way
JTC00068	M9 200m South of Keir Roundabout	Aug-11	3,869	3,993	7,862
		Aug-12	No Data	No Data	No Data
		Sep-12	No Data	No Data	No Data
		Oct-12	No Data	No Data	No Data
		Nov-12	No Data	No Data	No Data
		Dec-12	No Data	No Data	No Data
		Jan-13	No Data	No Data	No Data
		Feb-13	No Data	No Data	No Data
		Mar-13	No Data	No Data	No Data
		Apr-13	No Data	No Data	No Data
		May-13	No Data	No Data	No Data
		Jun-13	No Data	No Data	No Data
		Jul-13	No Data	No Data	No Data
		Aug-13	No Data	No Data	No Data
		Sep-13	412	4,367	4,780
	<b>Annual Average</b>	<b>No Data</b>	<b>No Data</b>	<b>No Data</b>	

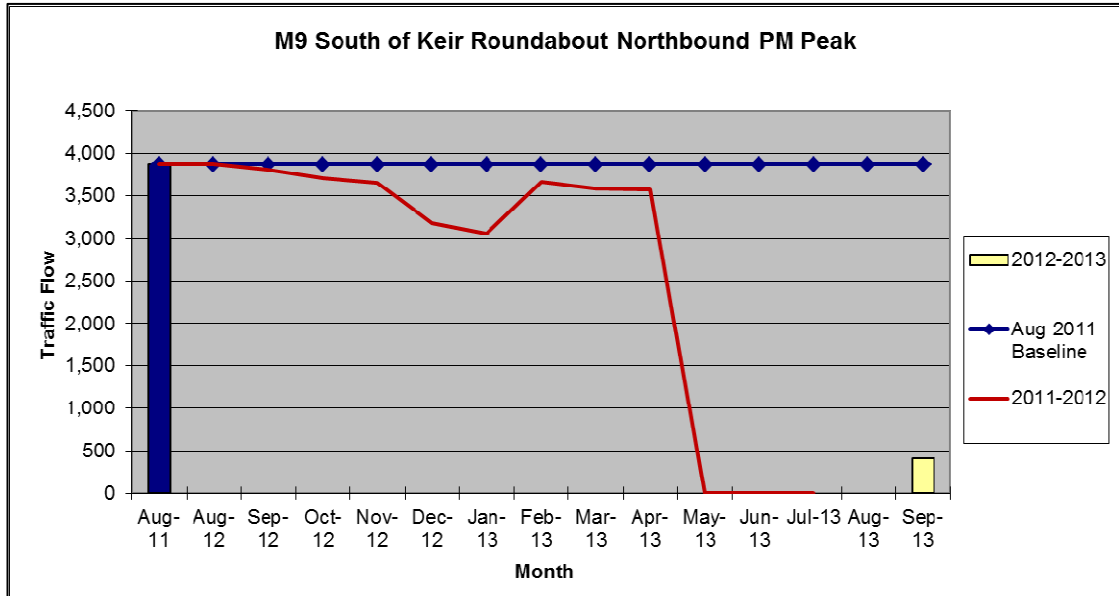


Figure 3-7 Monthly Northbound PM Peak Flows on the M9 200m South of Keir Roundabout

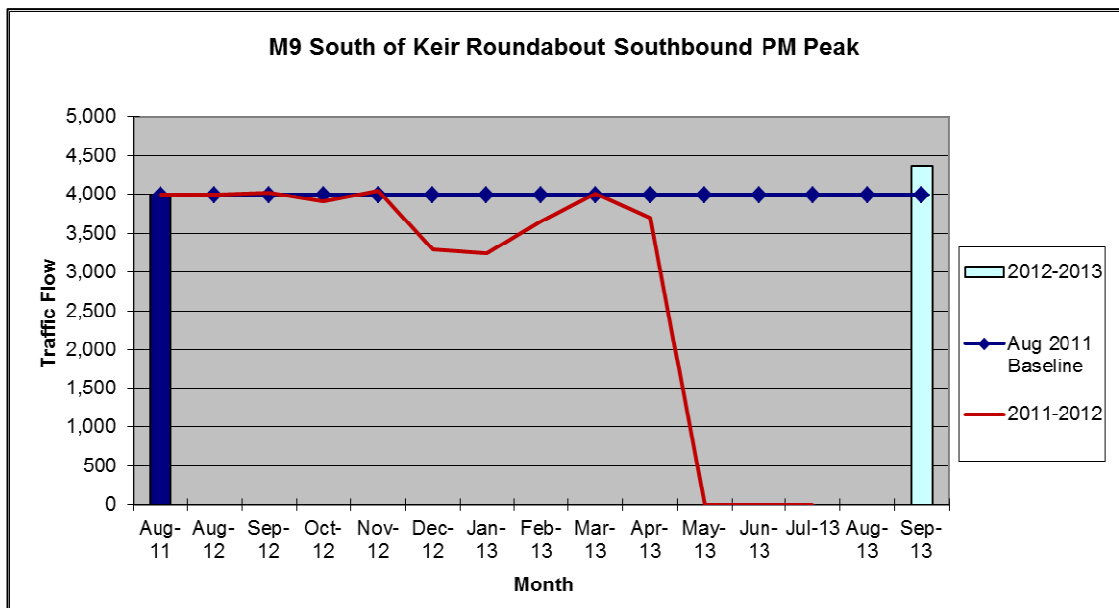


Figure 3-8 Monthly Southbound PM Peak Flows on the M9 200m South of Keir Roundabout

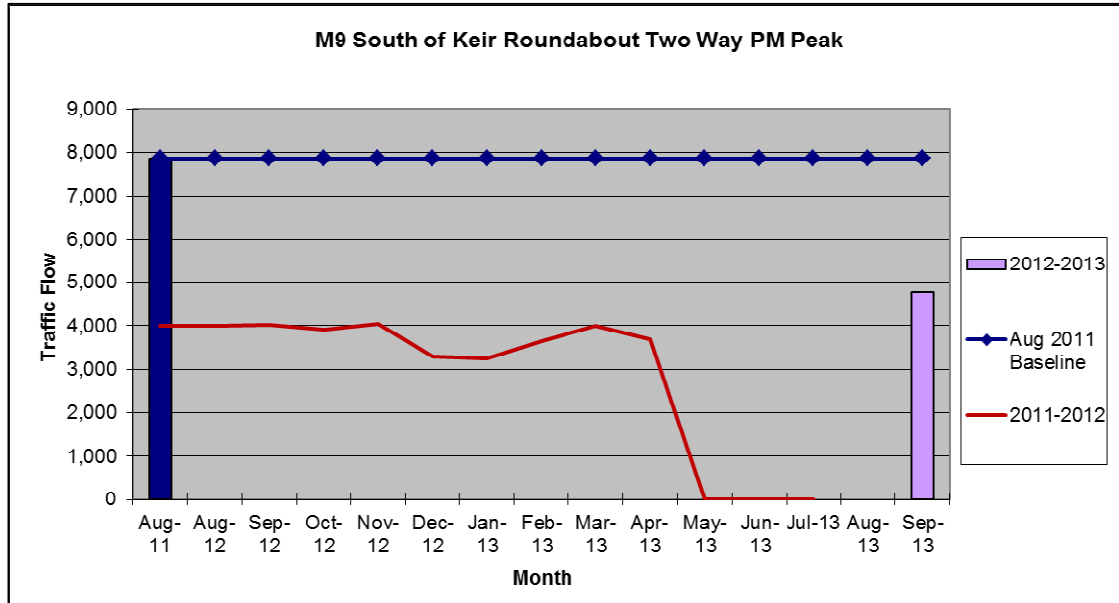


Figure 3-9 Monthly Two Way PM Peak Flows on the M9 200m South of Keir Roundabout

### 3.1.4 Monthly Average HGV Flows

Table 3-4 Site: JTC00068 Annual HGV Traffic Flows – August 2012 to September 2013

Counter	Location	Date	NB	SB	Two Way
JTC00068	M9 200m South of Keir Roundabout	Aug-11	1,071	1,136	2,207
		Aug-12	No Data	No Data	No Data
		Sep-12	No Data	No Data	No Data
		Oct-12	No Data	No Data	No Data
		Nov-12	No Data	No Data	No Data
		Dec-12	No Data	No Data	No Data
		Jan-13	No Data	No Data	No Data
		Feb-13	No Data	No Data	No Data
		Mar-13	No Data	No Data	No Data
		Apr-13	No Data	No Data	No Data
		May-13	No Data	No Data	No Data
		Jun-13	No Data	No Data	No Data
		Jul-13	No Data	No Data	No Data
		Aug-13	No Data	No Data	No Data
		Sep-13	24	1,040	1,064
		<b>Annual Average</b>	<b>No Data</b>	<b>No Data</b>	<b>No Data</b>



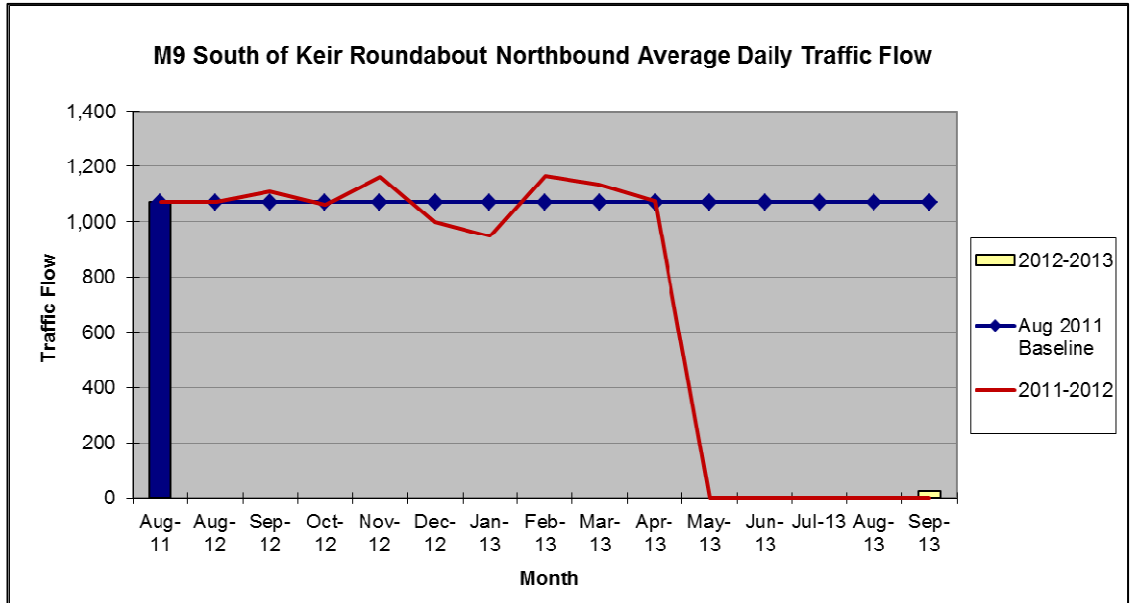


Figure 3-10 Monthly Northbound HGV Traffic Flows on the M9 200m South of Keir Roundabout

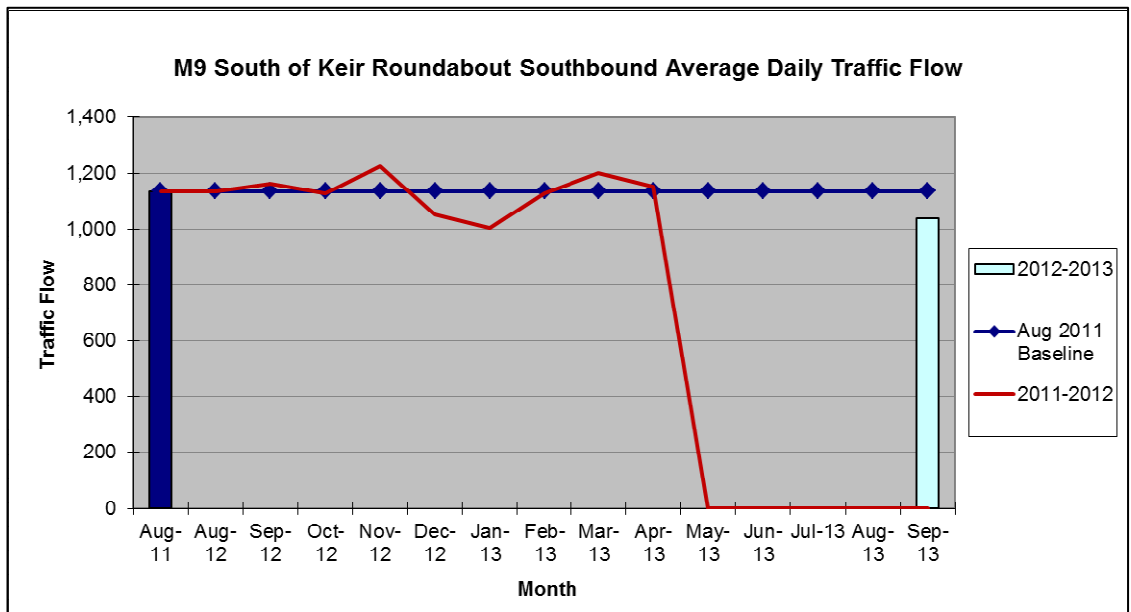


Figure 3-11 Monthly Southbound HGV Traffic Flows on the M9 200m South of Keir Roundabout

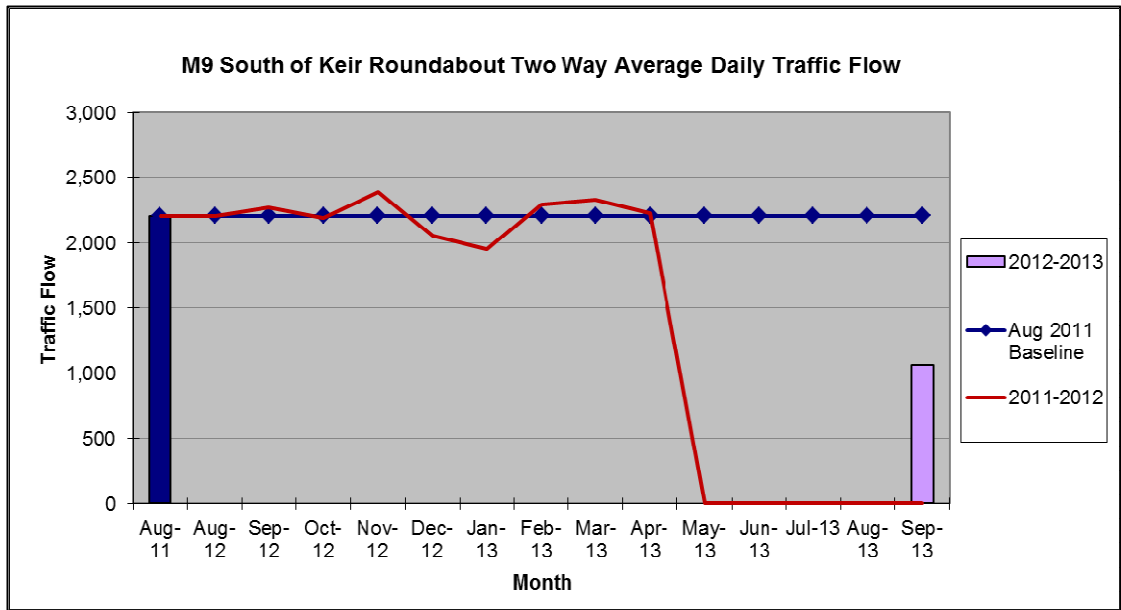


Figure 3-12 Monthly Two Way HGV Traffic Flows on the M9 200m South of Keir Roundabout

### 3.1.5 Monthly Average AM Peak HGV Flows

Table 3-5 Site: JTC00068 AM Peak HGV Traffic Flows – August 2012 to September 2013

Counter	Location	Date	NB	SB	Two Way
JTC00068	M9 200m South of Keir Roundabout	Aug-11	220	143	363
		Aug-12	No Data	No Data	No Data
		Sep-12	No Data	No Data	No Data
		Oct-12	No Data	No Data	No Data
		Nov-12	No Data	No Data	No Data
		Dec-12	No Data	No Data	No Data
		Jan-13	No Data	No Data	No Data
		Feb-13	No Data	No Data	No Data
		Mar-13	No Data	No Data	No Data
		Apr-13	No Data	No Data	No Data
		May-13	No Data	No Data	No Data
		Jun-13	No Data	No Data	No Data
		Jul-13	No Data	No Data	No Data
		Aug-13	No Data	No Data	No Data
		Sep-13	No Data	144	No Data
		<b>Annual Average</b>	<b>No Data</b>	<b>No Data</b>	<b>No Data</b>

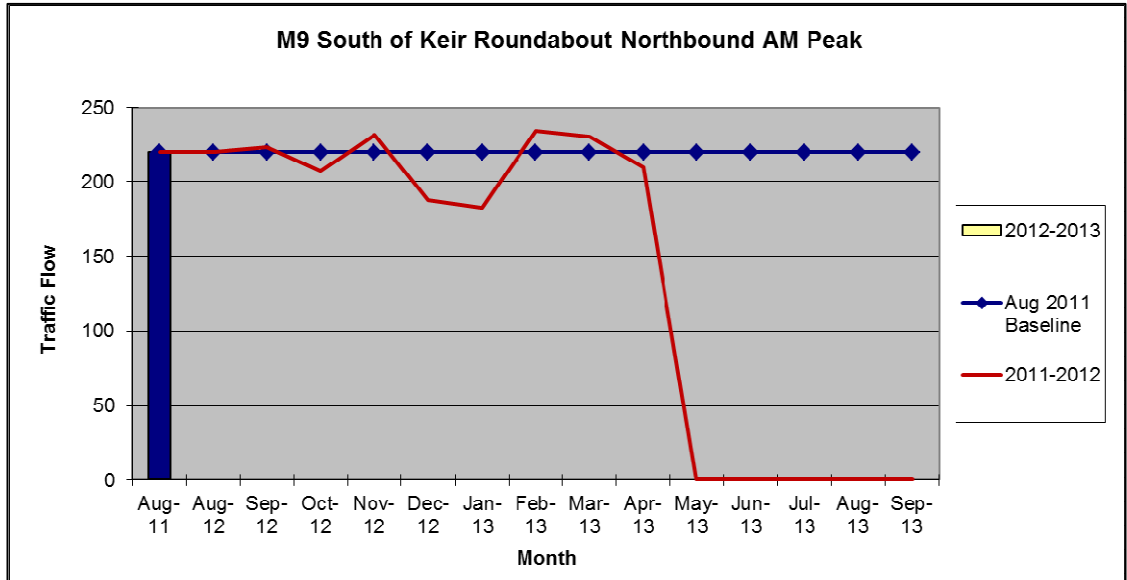


Figure 3-13 Monthly Northbound AM Peak HGV Flows on the M9 200m South of Keir Roundabout

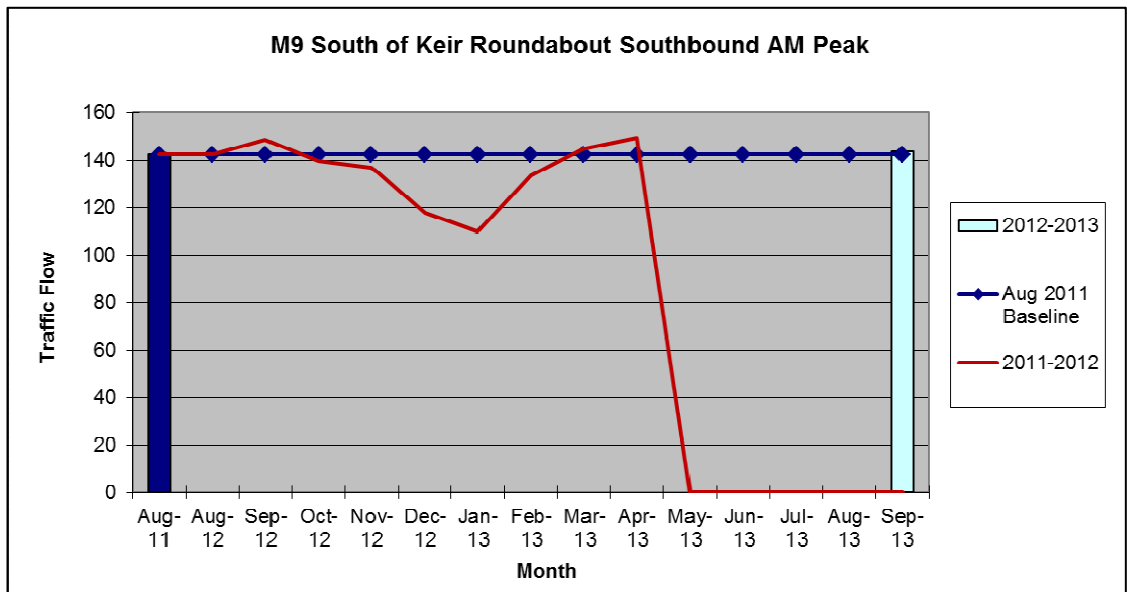


Figure 3-14 Monthly Southbound AM Peak HGV Flows on the M9 200m South of Keir Roundabout

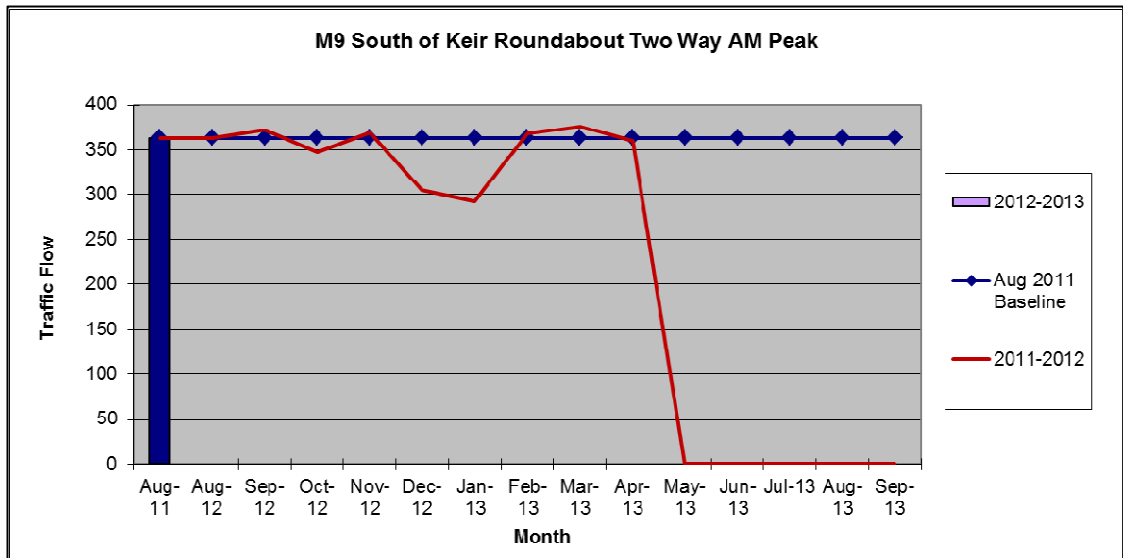


Figure 3-15 Monthly Two Way AM Peak HGV Flows on the M9 200m South of Keir Roundabout

### 3.1.6 Monthly Average PM Peak HGV Flows

Table 3-6 Site: JTC00068 PM Peak HGV Traffic Flows – August 2012 to September 2013

Counter	Location	Date	NB	SB	Two Way
JTC00068	M9 200m South of Keir Roundabout	Aug-11	148	210	358
		Aug-12	No Data	No Data	No Data
		Sep-12	No Data	No Data	No Data
		Oct-12	No Data	No Data	No Data
		Nov-12	No Data	No Data	No Data
		Dec-12	No Data	No Data	No Data
		Jan-13	No Data	No Data	No Data
		Feb-13	No Data	No Data	No Data
		Mar-13	No Data	No Data	No Data
		Apr-13	No Data	No Data	No Data
		May-13	No Data	No Data	No Data
		Jun-13	No Data	No Data	No Data
		Jul-13	No Data	No Data	No Data
		Aug-13	No Data	No Data	No Data
		Sep-13	14	176	190
		<b>Annual Average</b>	<b>No Data</b>	<b>No Data</b>	<b>No Data</b>

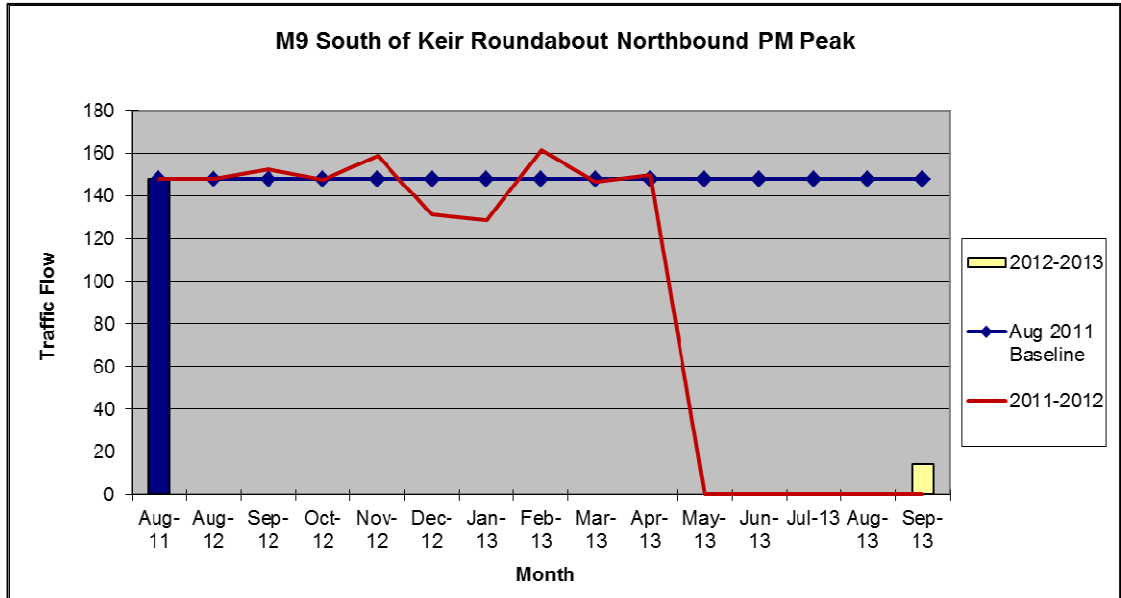


Figure 3-16 Monthly Northbound PM HG V Peak Flows on the M9 200m South of Keir Roundabout

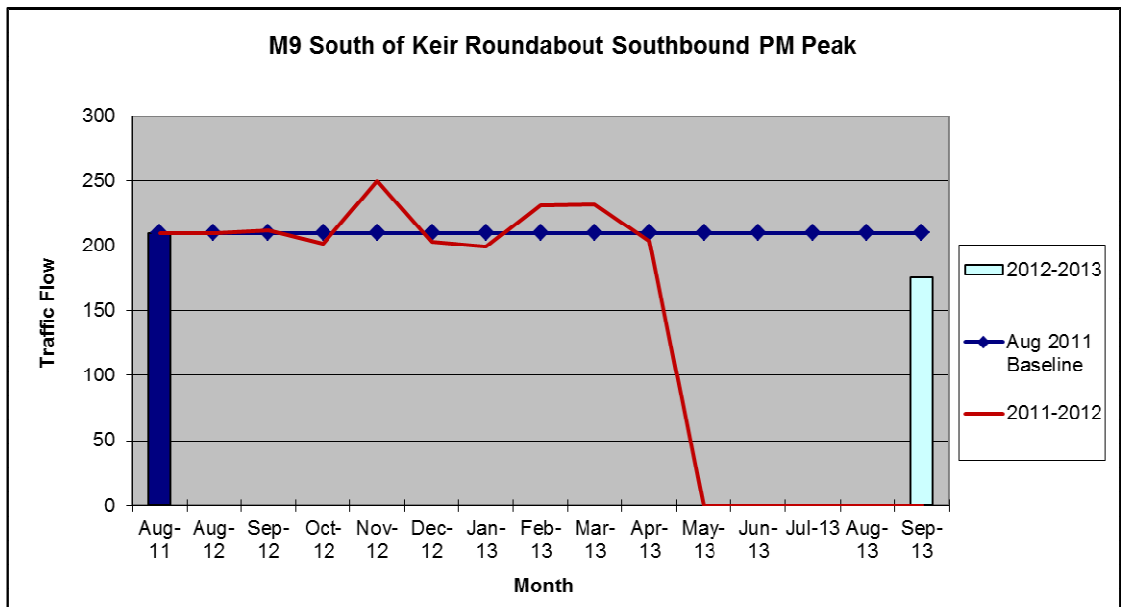


Figure 3-17 Monthly Southbound PM Peak HG V Flows on the M9 200m South of Keir Roundabout

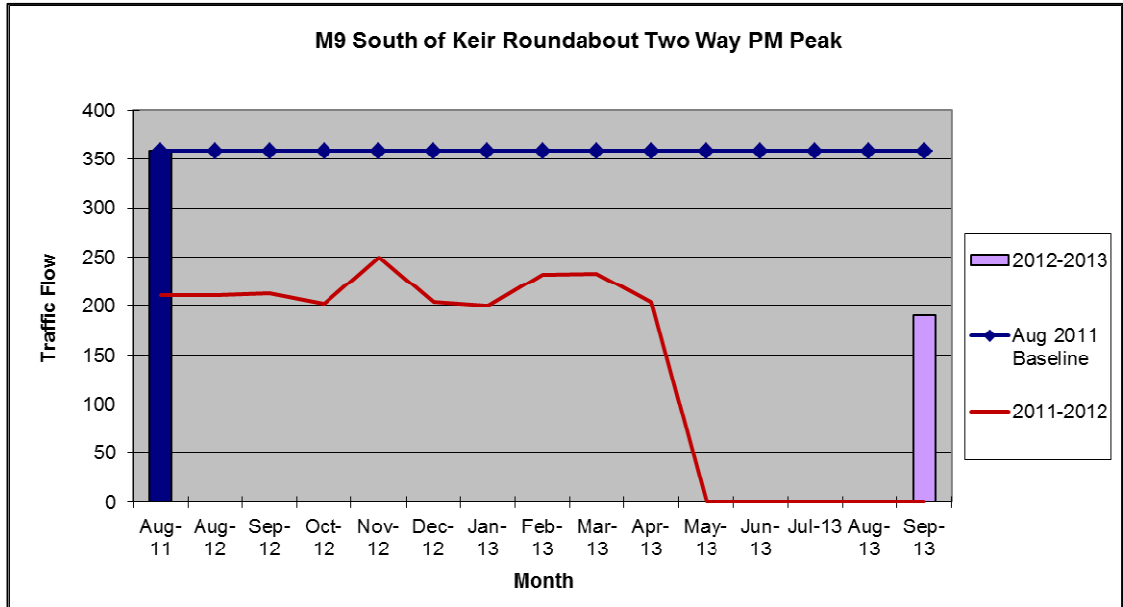


Figure 3-18 Monthly Two Way PM Peak HGV Flows on the M9 200m South of Keir Roundabout

### 3.1.7 Monthly Average All Vehicles Traffic Speeds

Table 3-7 Site: JTC00068 Average Monthly Traffic Speeds (KPH) (All Vehicles) – August 2012 to September 2013

Counter	Location	Date	NB	SB
JTC00068	M9 200m South of Keir Roundabout	Aug-12	No Data	No Data
		Sep-12	No Data	No Data
		Oct-12	No Data	No Data
		Nov-12	No Data	No Data
		Dec-12	No Data	No Data
		Jan-13	No Data	No Data
		Feb-13	No Data	No Data
		Mar-13	No Data	No Data
		Apr-13	No Data	No Data
		May-13	No Data	No Data
		Jun-13	No Data	No Data
		Jul-13	No Data	No Data
		Aug-13	No Data	No Data
		Sep-13	No Data	No Data

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

Summary of statistics between August 2012 and September 2013:

- Limited traffic flow data was available for September 2012 to March 2013 and for July to August 2013, therefore the data was not considered to be sufficiently representative for analysis.
- Flows peak in April 2013.
- All flow groups have a low flow for September 2013, 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 2012 to September 2013**

Counter	Location	Date	NB	SB	Two Way
JTC00439	M9 South of Junction 2 (Philpstoun)	Aug-11	13,806	14,263	28,069
		Aug-12	12,279	13,090	25,369
		Sep-12	No Data	No Data	No Data
		Oct-12	No Data	No Data	No Data
		Nov-12	No Data	No Data	No Data
		Dec-12	No Data	No Data	No Data
		Jan-13	No Data	No Data	No Data
		Feb-13	No Data	No Data	No Data
		Mar-13	No Data	No Data	No Data
		Apr-13	14,647	15,261	29,908
		May-13	14,286	14,929	29,215
		Jun-13	14,039	14,604	28,643
		Jul-13	No Data	No Data	No Data
		Aug-13	No Data	No Data	No Data
		Sep-13	9,752	9,032	18,785
		<b>Annual Average</b>	<b>13,813</b>	<b>14,471</b>	<b>28,284</b>

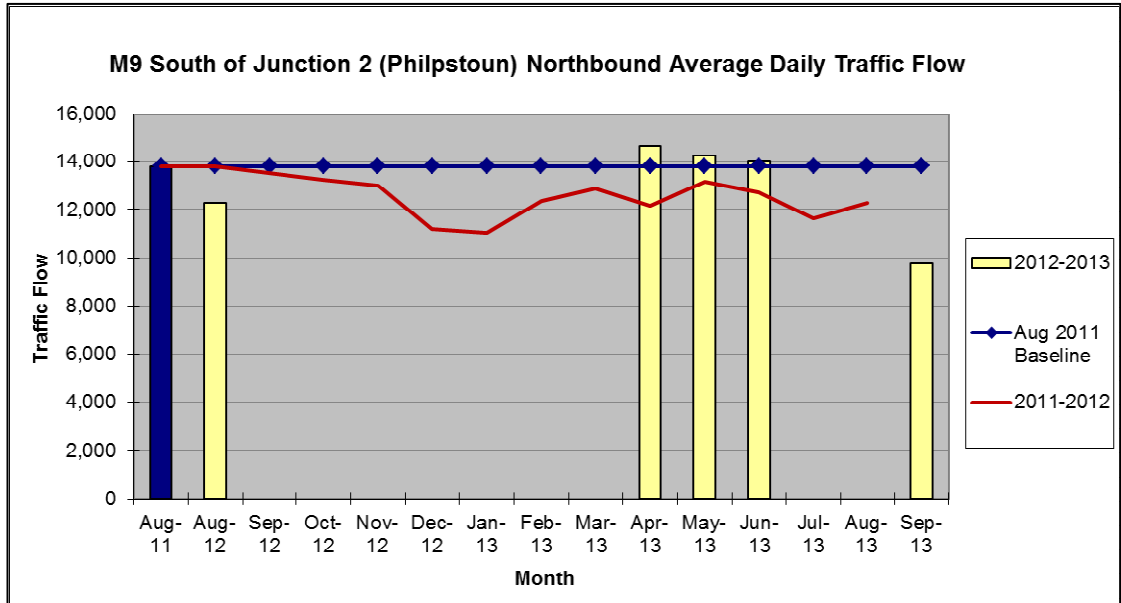


Figure 3-19 Monthly Northbound AADTs on the M9 South of Junction 2 (Philpstoun)

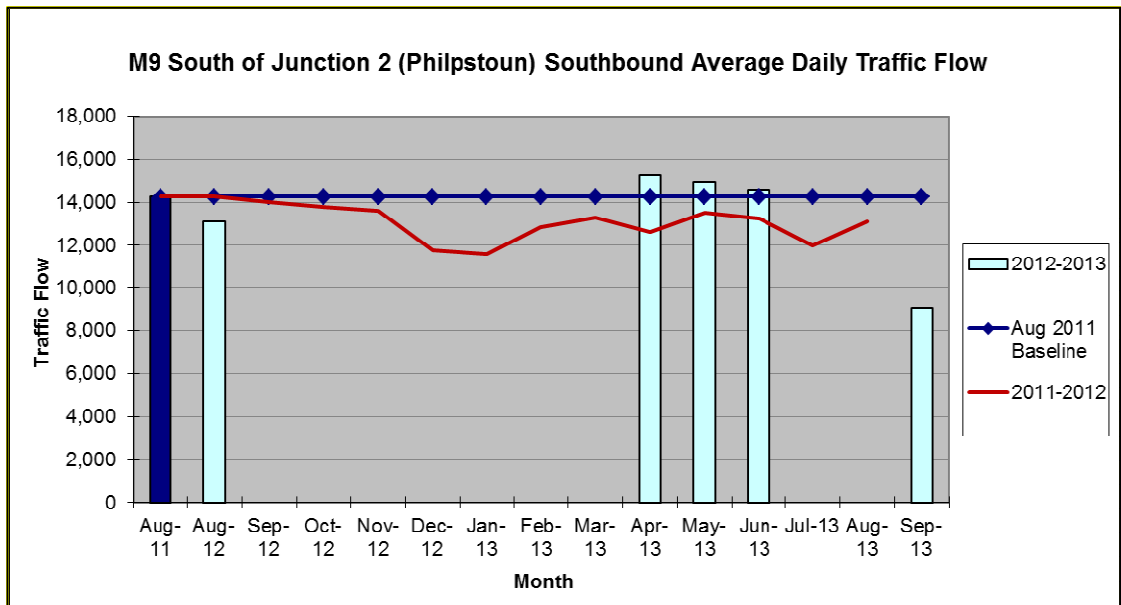


Figure 3-20 Monthly Southbound AADTs on the M9 South of Junction 2 (Philpstoun)



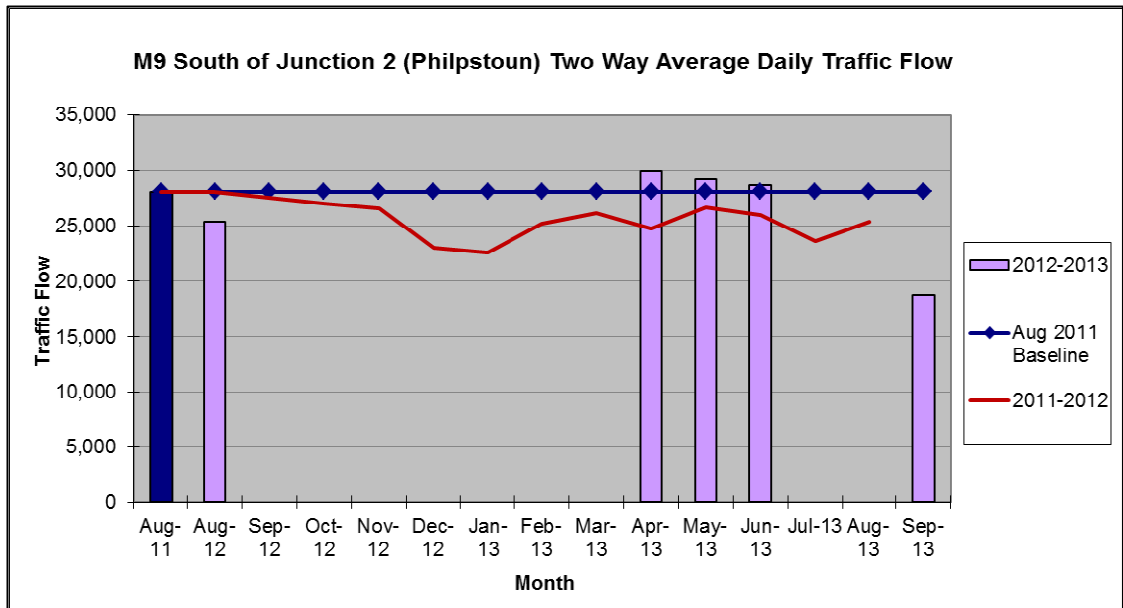


Figure 3-21 Monthly Two Way Daily Traffic Flows on the M9 South of Junction 2 (Philpstoun)

### 3.2.2 Monthly Average AM Peak Traffic Flows

Table 3-9 Site: JTC00439 AM Peak Traffic Flows – August 2012 to September 2013

Counter	Location	Date	NB	SB	Two Way
JTC00439	M9 South of Junction 2 (Philpstoun)	Aug-11	1,934	4,276	6,210
		Aug-12	1,903	4,115	6,018
		Sep-12	No Data	No Data	No Data
		Oct-12	No Data	No Data	No Data
		Nov-12	No Data	No Data	No Data
		Dec-12	No Data	No Data	No Data
		Jan-13	No Data	No Data	No Data
		Feb-13	No Data	No Data	No Data
		Mar-13	No Data	No Data	No Data
		Apr-13	2,260	4,802	7,062
		May-13	2,176	4,522	6,698
		Jun-13	2,179	4,392	6,571
		Jul-13	No Data	No Data	No Data
		Aug-13	No Data	No Data	No Data
Sep-13	976	2,020	2,995		
		<b>Annual Average</b>	<b>2,129</b>	<b>4,458</b>	<b>6,587</b>

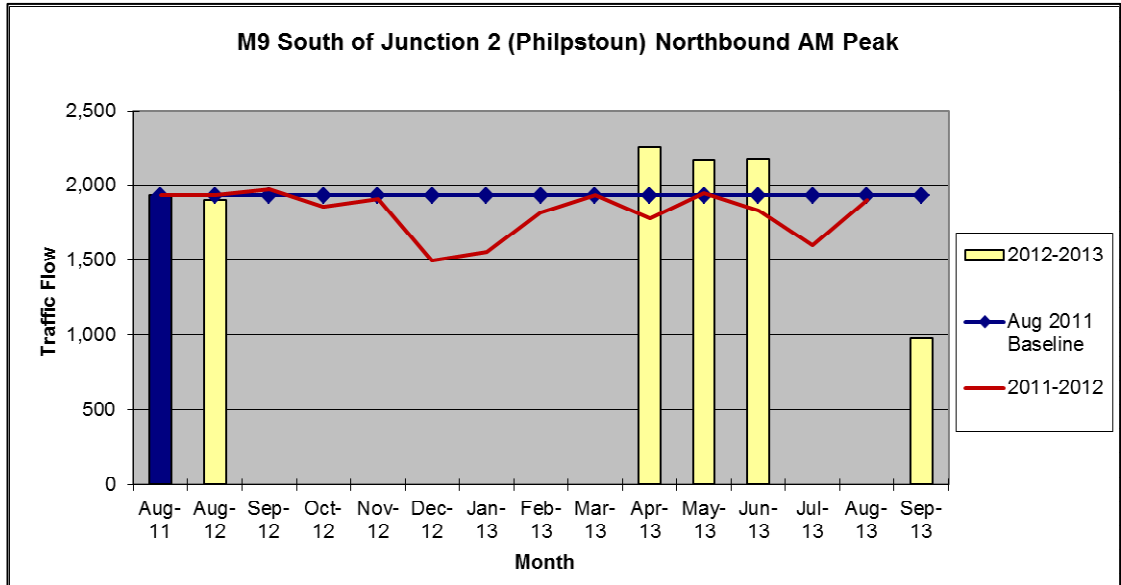


Figure 3-22 Monthly Northbound AM Peak Flows on the M9 South of Junction 2 (Philpstown)

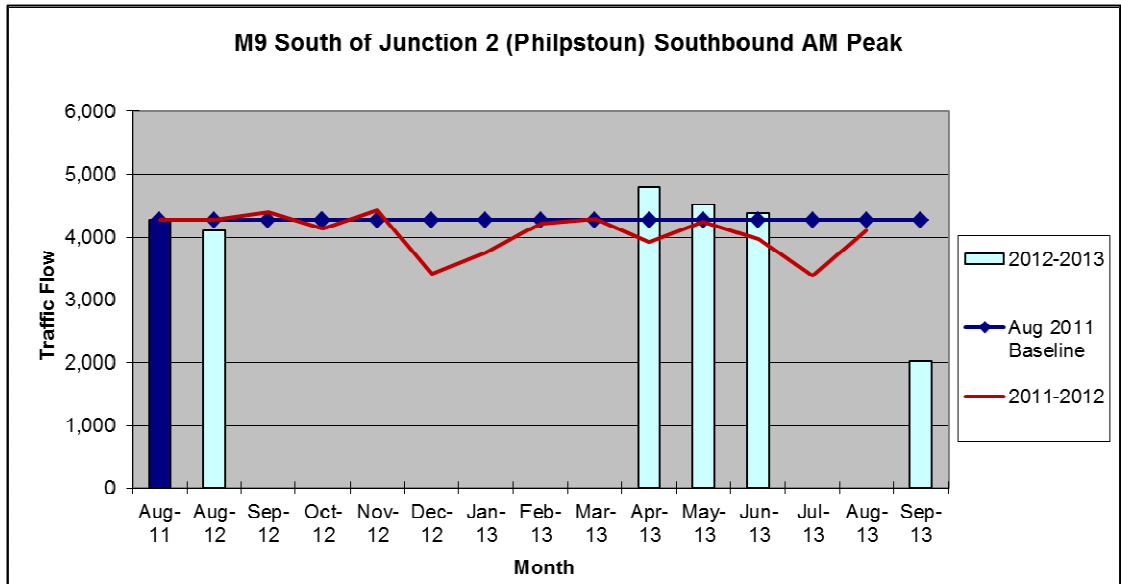


Figure 3-23 Monthly Southbound AM Peak Flows on the M9 South of Junction 2 (Philpstown)

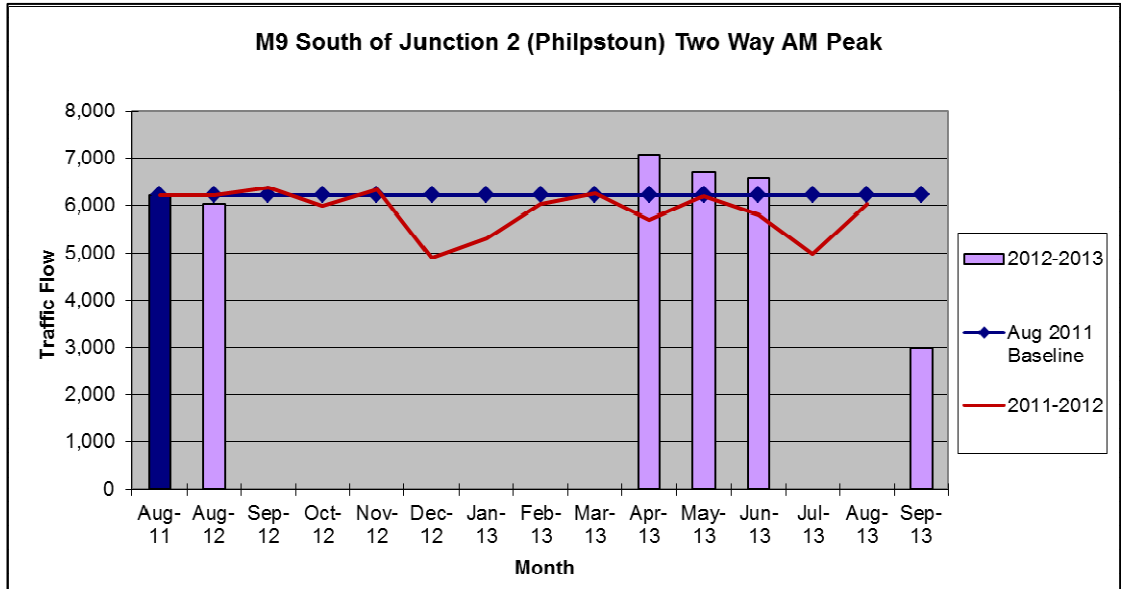


Figure 3-24 Monthly Two Way AM Peak Flows on the M9 South of Junction 2 (Philpstoun)

### 3.2.3 Monthly Average PM Peak Traffic Flows

Table 3-10 Site: JTC00439 PM Peak Traffic Flows – August 2012 to September 2013

Counter	Location	Date	NB	SB	Two Way
JTC00439	M9 South of Junction 2 (Philpstoun)	Aug-11	4,312	2,560	6,872
		Aug-12	3,579	2,199	5,778
		Sep-12	No Data	No Data	No Data
		Oct-12	No Data	No Data	No Data
		Nov-12	No Data	No Data	No Data
		Dec-12	No Data	No Data	No Data
		Jan-13	No Data	No Data	No Data
		Feb-13	No Data	No Data	No Data
		Mar-13	No Data	No Data	No Data
		Apr-13	4,578	2,602	7,180
		May-13	4,259	2,541	6,800
		Jun-13	4,136	2,488	6,624
		Jul-13	No Data	No Data	No Data
		Aug-13	No Data	No Data	No Data
		Sep-13	3,500	2,071	5,572
		<b>Annual Average</b>	<b>4,138</b>	<b>2,458</b>	<b>6,596</b>

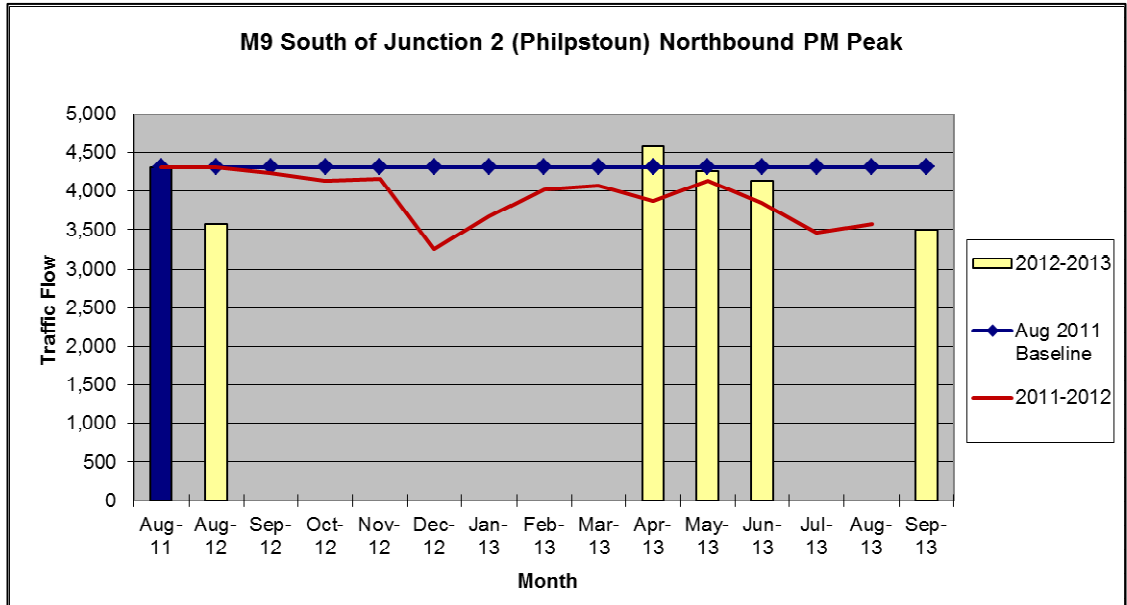


Figure 3-25 Monthly Northbound PM Peak Flows on the M9 South of Junction 2 (Philpstoun)

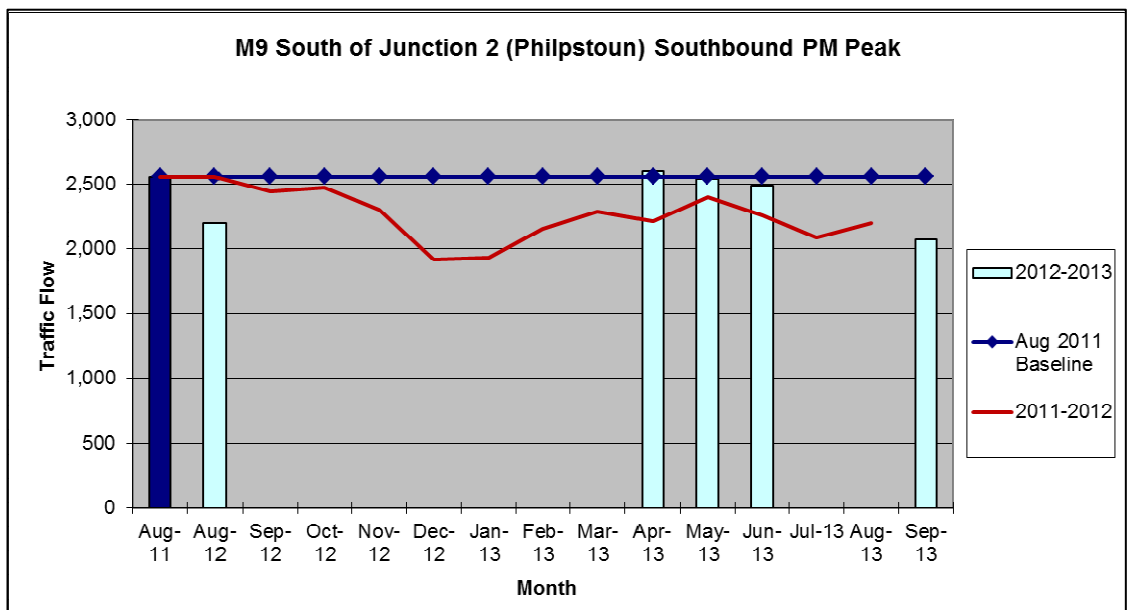


Figure 3-26 Monthly Southbound PM Peak Flows on the M9 South of Junction 2 (Philpstoun)

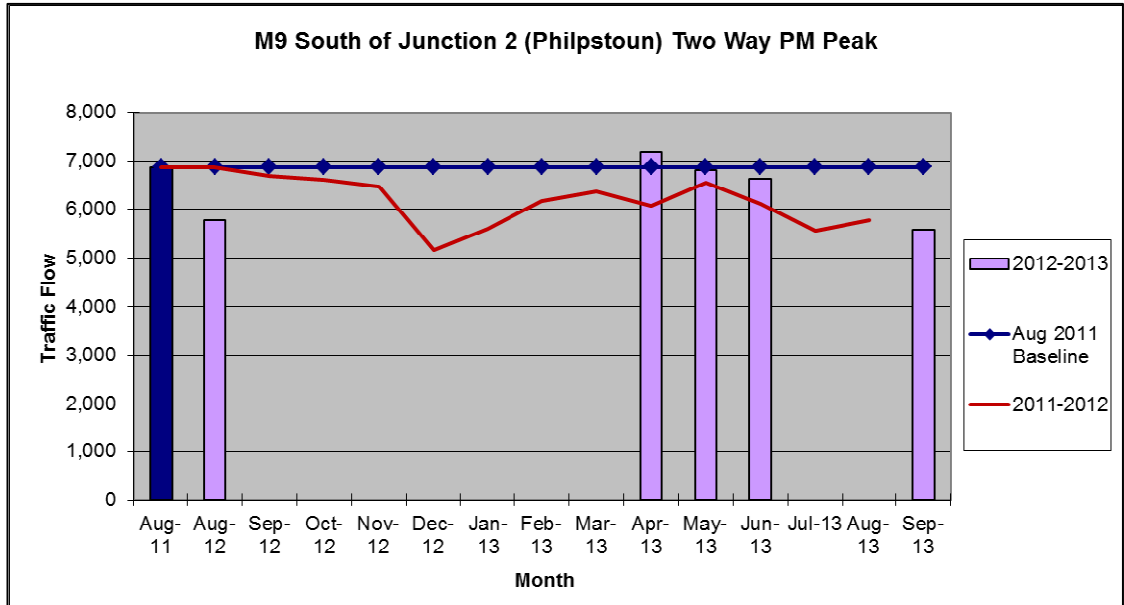


Figure 3-27 Monthly Two Way PM Peak Flows on the M9 South of Junction 2 (Philpstoun)

### 3.2.4 Monthly Average HGV Flows

Table 3-11 Site: JTC00439 Annual HGV Traffic Flows – August 2012 to September 2013

Counter	Location	Date	NB	SB	Two Way
JTC00439	M9 South of Junction 2 (Philpstoun)	Aug-11	504	513	1,018
		Aug-12	489	511	1,000
		Sep-12	No Data	No Data	No Data
		Oct-12	No Data	No Data	No Data
		Nov-12	No Data	No Data	No Data
		Dec-12	No Data	No Data	No Data
		Jan-13	No Data	No Data	No Data
		Feb-13	No Data	No Data	No Data
		Mar-13	No Data	No Data	No Data
		Apr-13	639	684	1,323
		May-13	619	640	1,259
		Jun-13	632	652	1,284
		Jul-13	No Data	No Data	No Data
		Aug-13	No Data	No Data	No Data
		Sep-13	419	423	842
				<b>Annual Average</b>	<b>595</b>

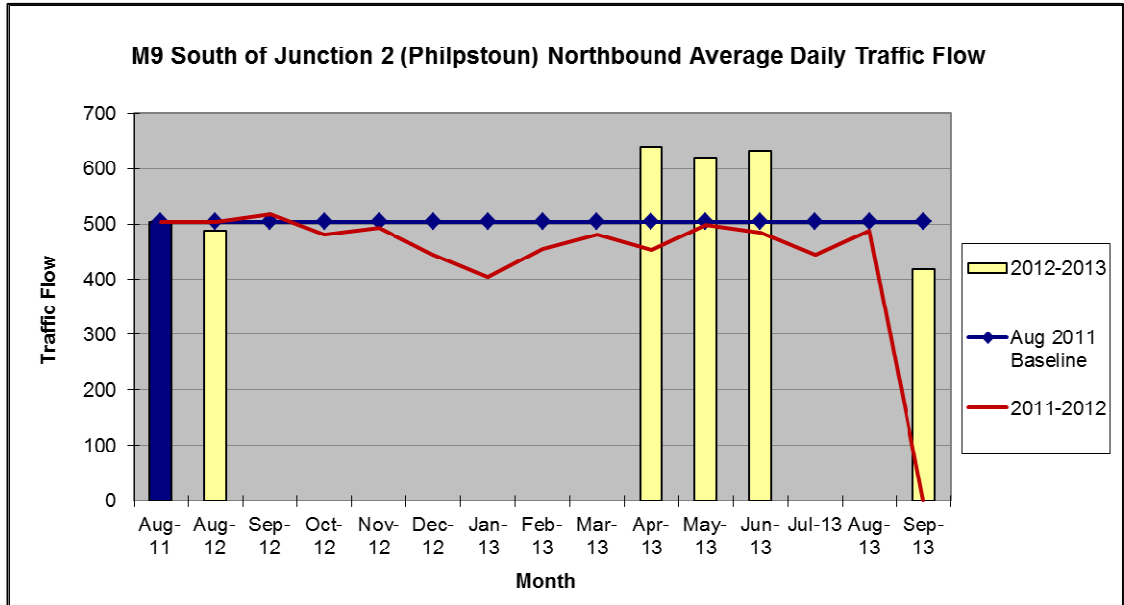


Figure 3-28 Monthly Northbound HGV Traffic Flows on the M9 South of Junction 2 (Philpstoun)

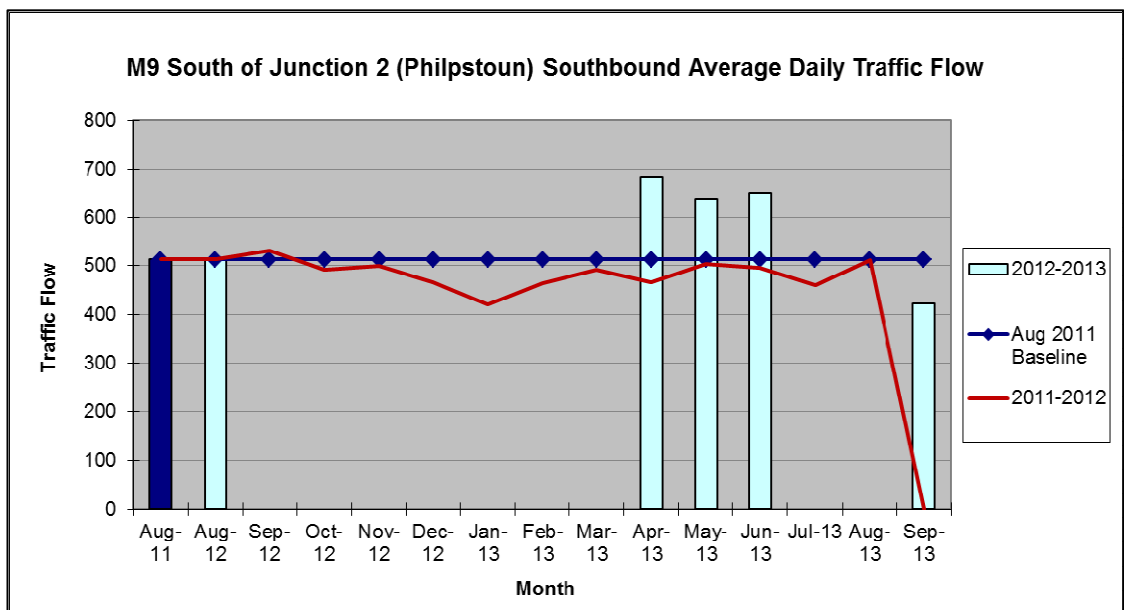


Figure 3-29 Monthly Southbound HGV Traffic Flows on the M9 South of Junction 2 (Philpstoun)

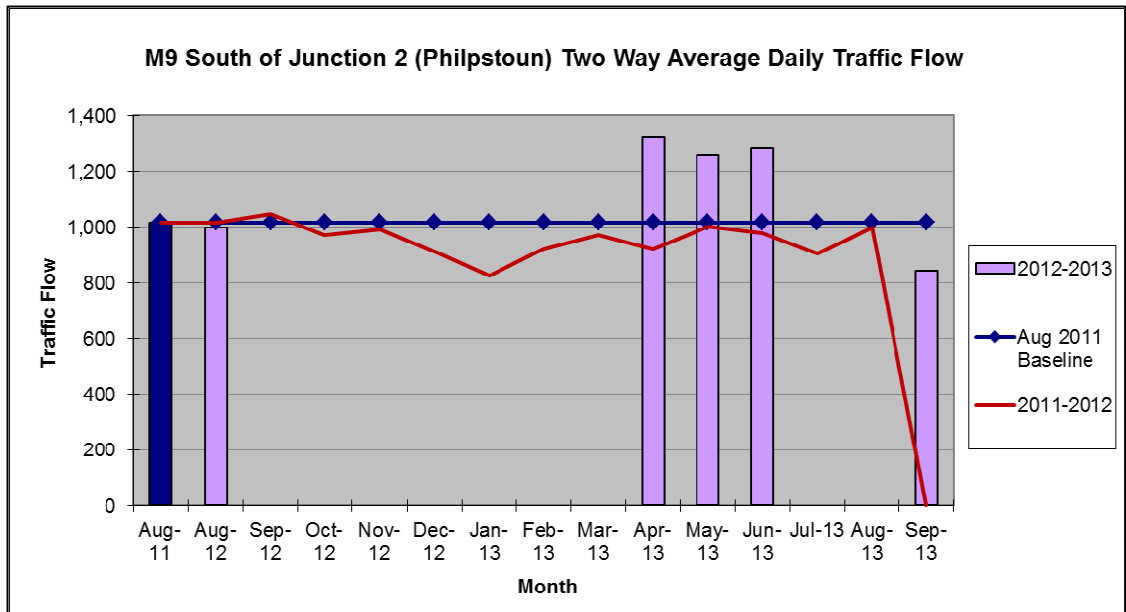


Figure 3-30 Monthly Two Way HGV Traffic Flows on the M9 South of Junction 2 (Philpstoun)

### 3.2.5 Monthly Average AM Peak HGV Flows

Table 3-12 Site: JTC00439 AM Peak HGV Traffic Flows – August 2012 to September 2013

Counter	Location	Date	NB	SB	Two Way
JTC00439	M9 South of Junction 2 (Philpstoun)	Aug-11	103	106	209
		Aug-12	105	112	217
		Sep-12	No Data	No Data	No Data
		Oct-12	No Data	No Data	No Data
		Nov-12	No Data	No Data	No Data
		Dec-12	No Data	No Data	No Data
		Jan-13	No Data	No Data	No Data
		Feb-13	No Data	No Data	No Data
		Mar-13	No Data	No Data	No Data
		Apr-13	129	141	270
		May-13	129	135	265
		Jun-13	133	141	275
		Jul-13	No Data	No Data	No Data
		Aug-13	No Data	No Data	No Data
		Sep-13	60	66	125
		<b>Annual Average</b>	<b>124</b>	<b>132</b>	<b>256</b>

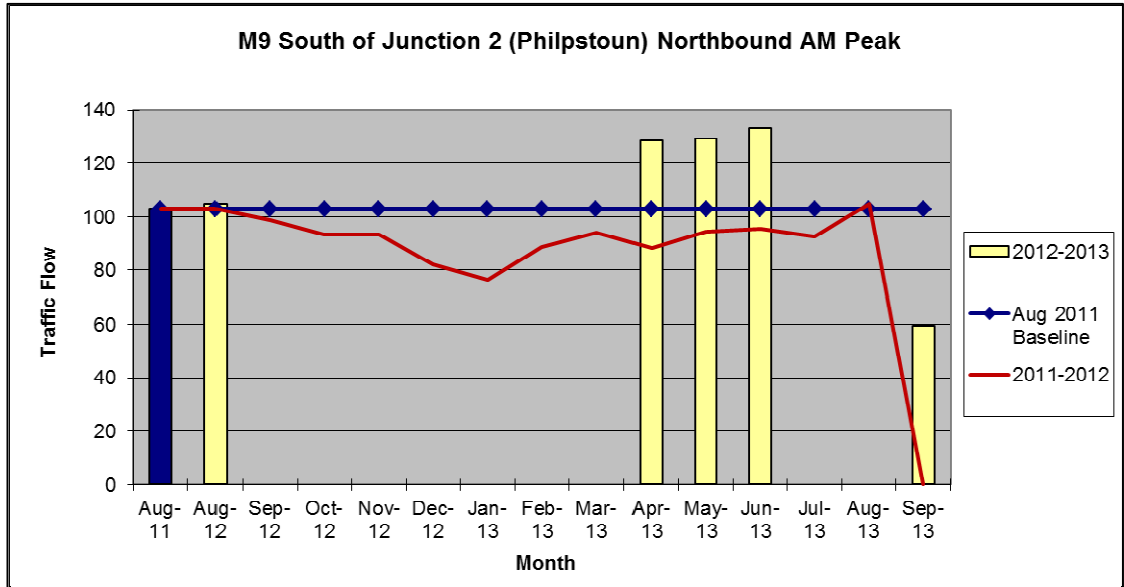


Figure 3-31 Monthly Northbound AM Peak HGV Flows on the M9 South of Junction 2 (Philpstoun)

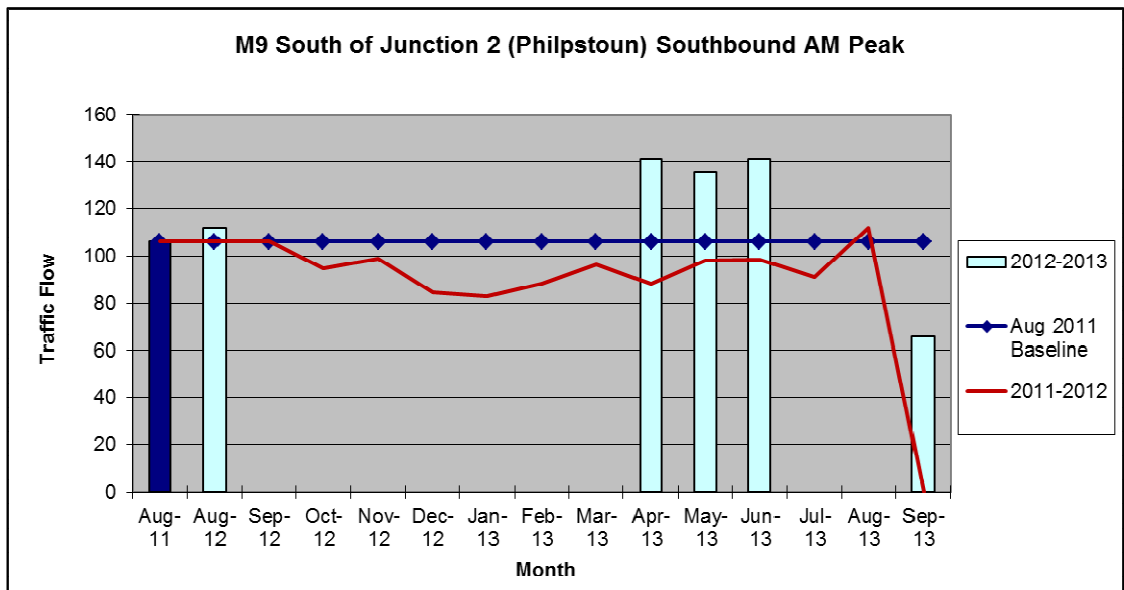


Figure 3-32 Monthly Southbound AM Peak HGV Flows on the M9 South of Junction 2 (Philpstoun)



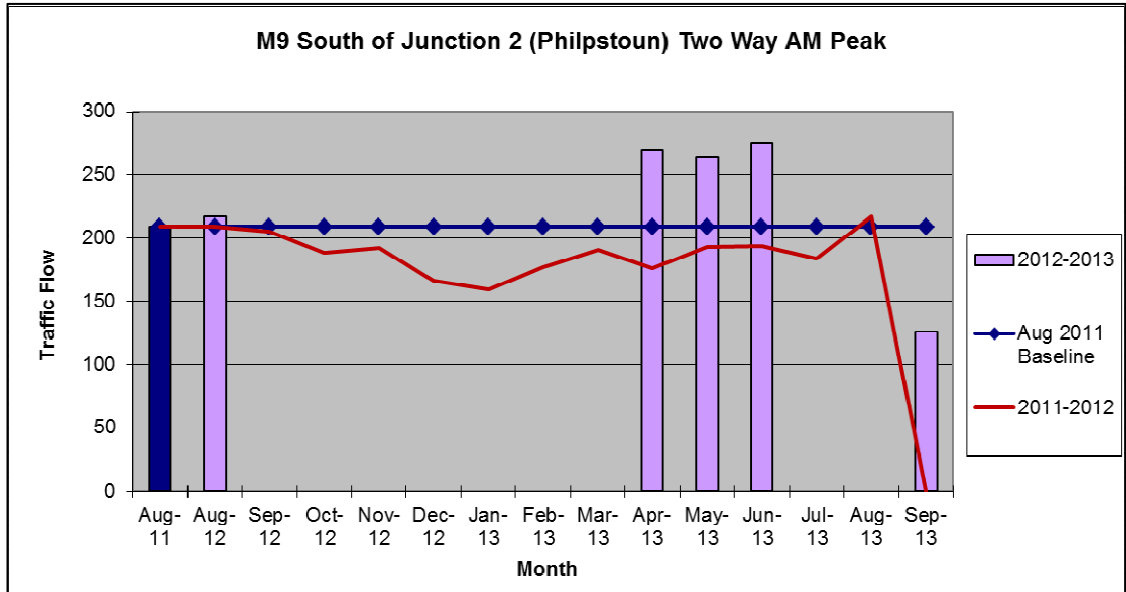


Figure 3-33 Monthly Two Way AM Peak HGV Flows on the M9 South of Junction 2 (Philpstoun)

### 3.2.6 Monthly Average PM Peak HGV Flows

Table 3-13 Site: JTC00439 PM Peak HGV Traffic Flows – August 2012 to September 2013

Counter	Location	Date	NB	SB	Two Way
JTC00439	M9 South of Junction 2 (Philpstoun)	Aug-11	66	69	135
		Aug-12	54	58	113
		Sep-12	No Data	No Data	No Data
		Oct-12	No Data	No Data	No Data
		Nov-12	No Data	No Data	No Data
		Dec-12	No Data	No Data	No Data
		Jan-13	No Data	No Data	No Data
		Feb-13	No Data	No Data	No Data
		Mar-13	No Data	No Data	No Data
		Apr-13	85	84	169
		May-13	80	75	155
		Jun-13	85	75	161
		Jul-13	No Data	No Data	No Data
		Aug-13	No Data	No Data	No Data
		Sep-13	77	69	146
		<b>Annual Average</b>	<b>76</b>	<b>73</b>	<b>149</b>

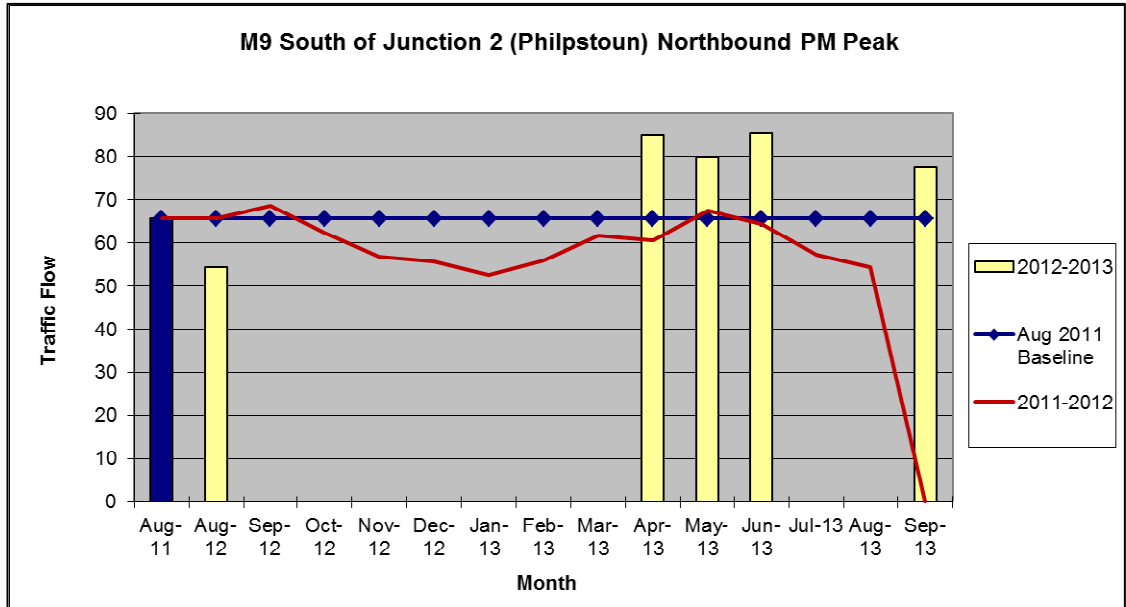


Figure 3-34 Monthly Northbound PM HGVD Peak Flows on the M9 South of Junction 2 (Philpstoun)

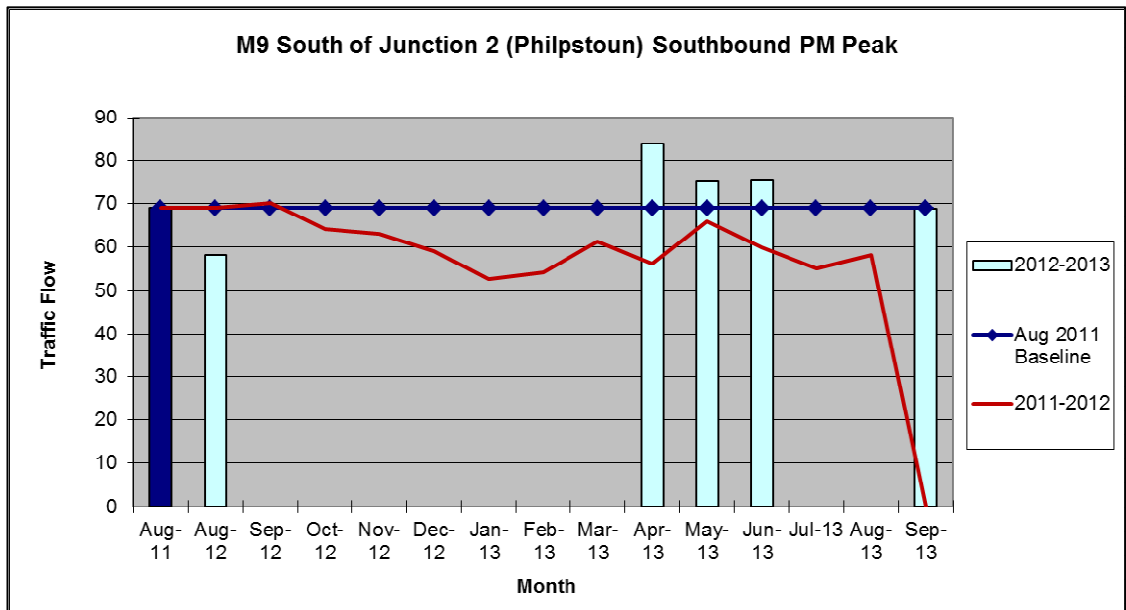


Figure 3-35 Monthly Southbound PM Peak HGVD Flows on the M9 South of Junction 2 (Philpstoun)

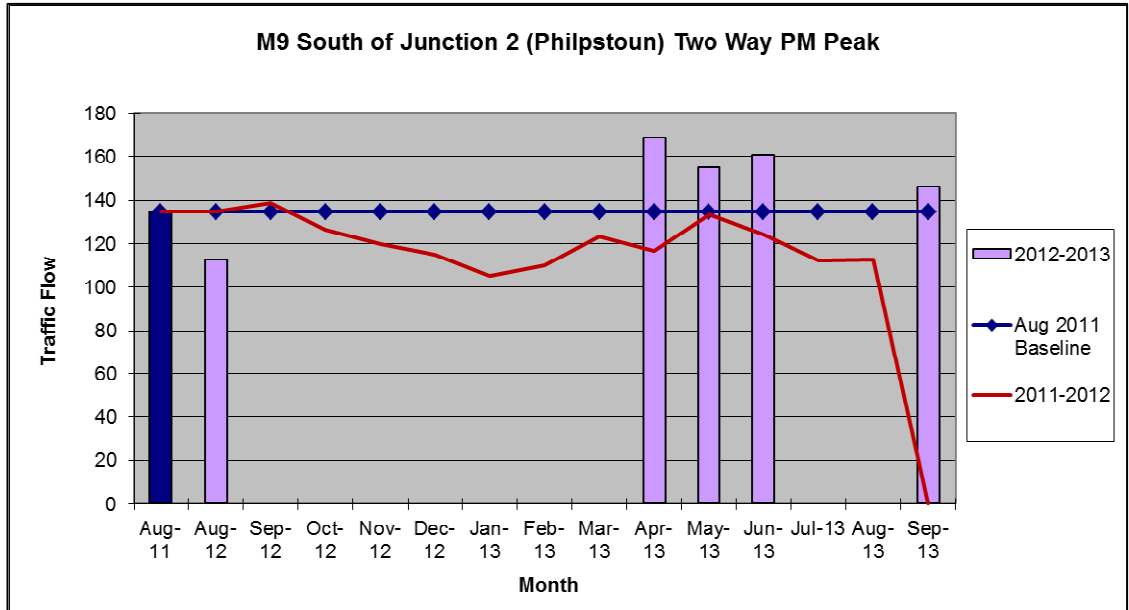


Figure 3-36 Monthly Two Way PM Peak HGV Flows on the M9 South of Junction 2 (Philpstoun)

### 3.2.7 Monthly Average All Vehicles Traffic Speeds

Table 3-14 Site: JTC00439 Average Monthly Traffic Speeds (KPH) (All Vehicles) – August 2012 to September 2013

Counter	Location	Date	NB	SB
JTC00439	M9 South of Junction 2 (Philpstoun)	Aug-12	99	93
		Sep-12	No Data	No Data
		Oct-12	No Data	No Data
		Nov-12	No Data	No Data
		Dec-12	No Data	No Data
		Jan-13	No Data	No Data
		Feb-13	No Data	No Data
		Mar-13	No Data	No Data
		Apr-13	110	112
		May-13	111	112
		Jun-13	112	112
		Jul-13	No Data	No Data
		Aug-13	No Data	No Data
		Sep-13	112	112

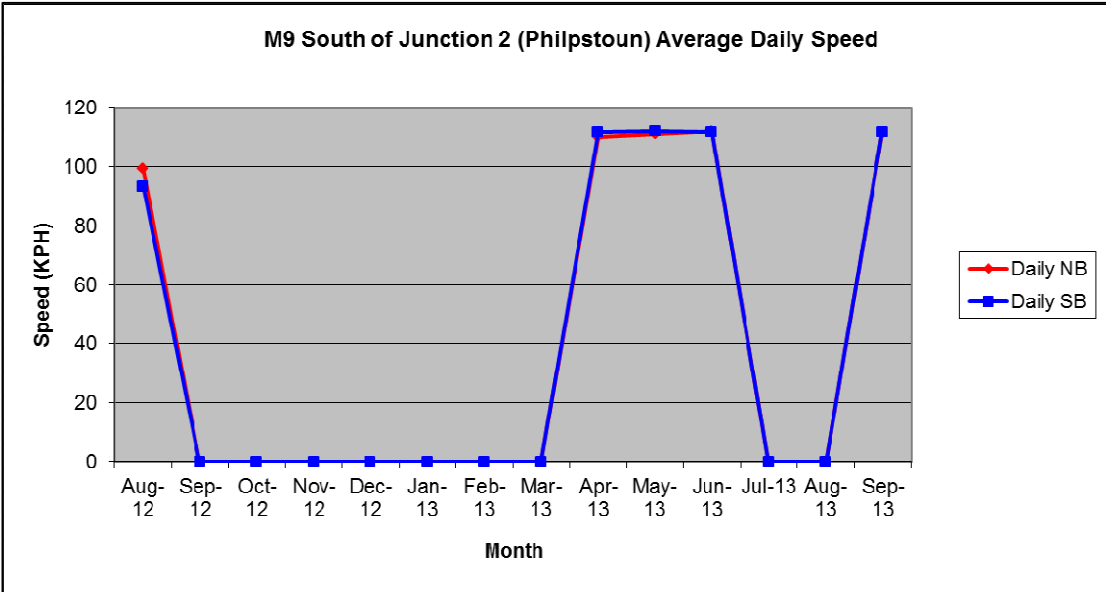


Figure 3-37 Average Monthly Traffic Speeds (KPH) on the M9 South of Junction 2 (Philpstoun)

### 3.3 Traffic Counter JTC06450 – A823 (M) M90 Junction 2 Southbound On-Ramp

Summary of statistics between August 2012 and September 2013:

- JTC06450 replaced JTC00478, with data available from December 2012.
- As limited traffic flow data was available for August 2012 to November 2012, the data was not considered to be sufficiently representative for full analysis.

#### 3.3.1 Monthly Average Traffic Flows

*Table 3-15 Site: JTC06450 Annual Traffic Flows – August 2012 to September 2013*

Counter	Location	Date	SB
JTC06450	A823 (M) M90 Junction 2 Southbound On-Ramp	Aug-11	3,813
		Aug-12	No Data
		Sep-12	No Data
		Oct-12	No Data
		Nov-12	No Data
		Dec-12	772
		Jan-13	1,316
		Feb-13	1,493
		Mar-13	1,499
		Apr-13	1,490
		May-13	2,361
		Jun-13	3,002
		Jul-13	2,942
		Aug-13	3,131
		Sep-13	3,029
		<b>Annual Average</b>	<b>1,859</b>

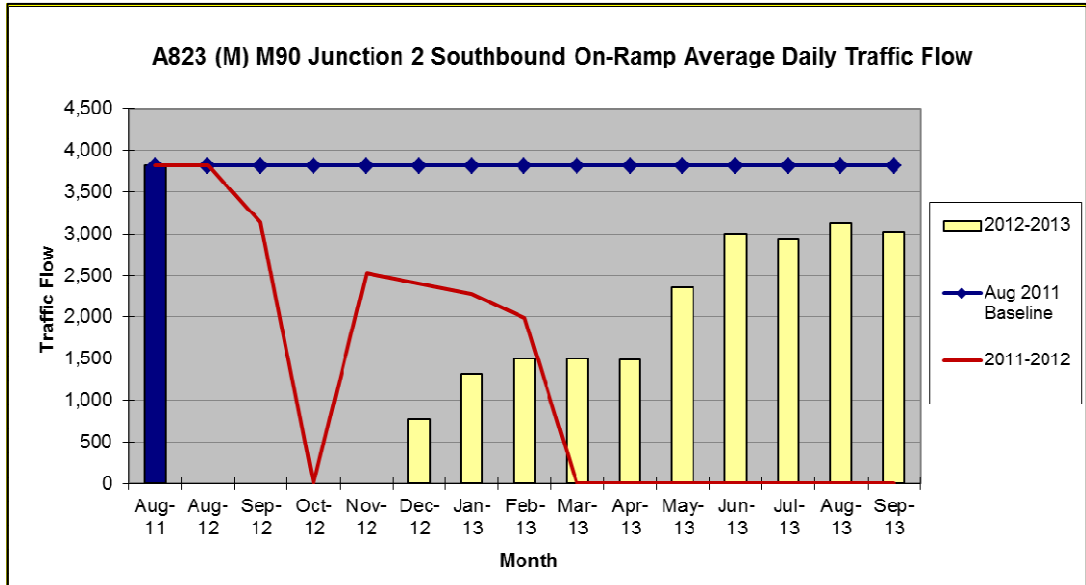
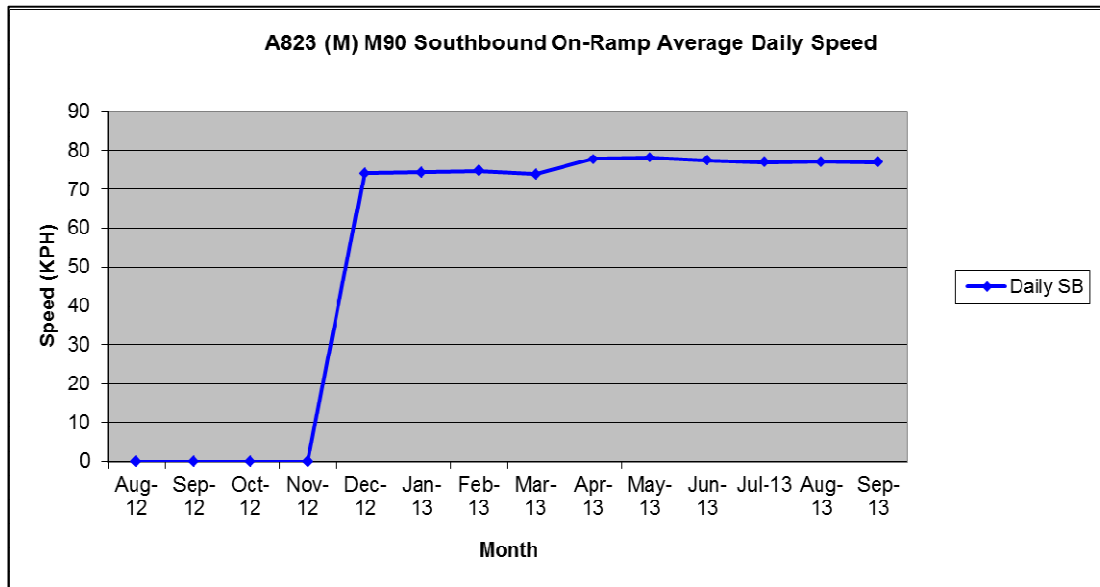


Figure 3-38 Monthly Southbound AADTs on A823 (M) M90 Junction 2 Southbound On-Ramp

### 3.3.2 Monthly Average All Vehicles Traffic Speeds

**Table 3-16 Site: JTC06450 Average Monthly Traffic Speeds (KPH) (All Vehicles) – August 2012 to September 2013**

Counter	Location	Date	SB
JTC06450	A823 (M) M90 Junction 2 Southbound On-Ramp	Aug-12	No Data
		Sep-12	No Data
		Oct-12	No Data
		Nov-12	No Data
		Dec-12	74
		Jan-13	74
		Feb-13	75
		Mar-13	74
		Apr-13	78
		May-13	78
		Jun-13	77
		Jul-13	77
		Aug-13	77
Sep-13	77		



**Figure 3-39 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 2012 and September 2013:

- Traffic flows are indicative of typical seasonal variation; with lower flows in January 2013 and higher flows over the summer months.
- There is a slight increase in traffic volume between August 2012 and August 2013, but a decrease when compared with August 2011.

#### 3.4.1 Monthly Average Traffic Flows

Table 3-17 Site: JTC00479 Annual Traffic Flows – August 2012 to September 2013

Counter	Location	Date	SB
JTC00479	A823 (M) M90 Junction 2 Southbound Off-Ramp	Aug-11	7,247
		Aug-12	6,518
		Sep-12	6,066
		Oct-12	6,185
		Nov-12	6,082
		Dec-12	6,121
		Jan-13	5,643
		Feb-13	6,252
		Mar-13	6,205
		Apr-13	6,385
		May-13	6,552
		Jun-13	6,426
		Jul-13	6,197
		Aug-13	6,581
		Sep-13	6,435
		<b>Annual Average</b>	<b>6,219</b>

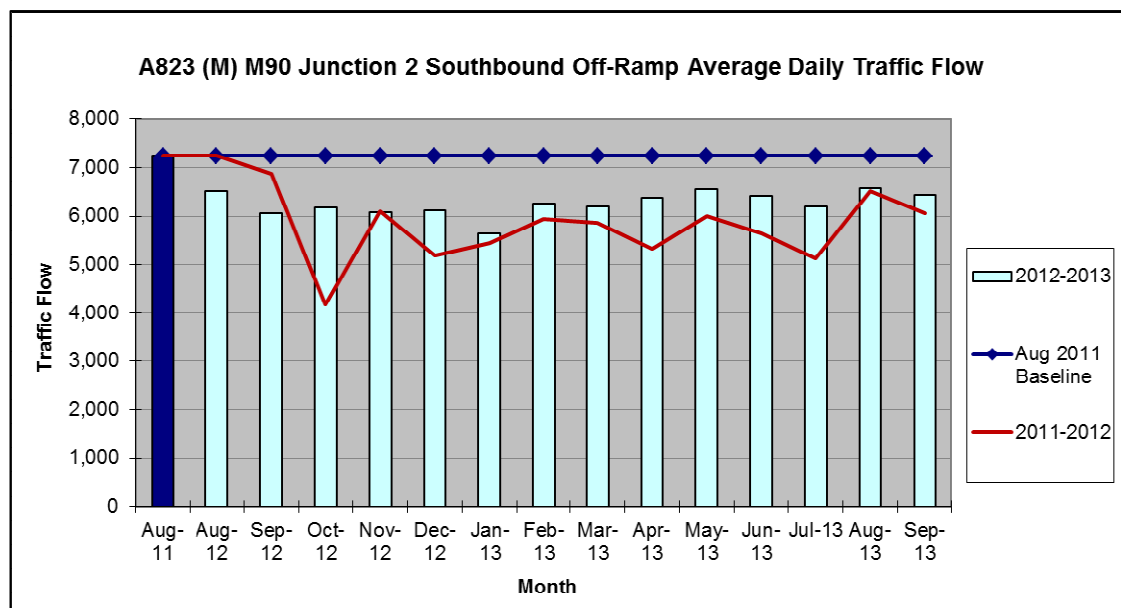


Figure 3-40 Monthly Southbound AADTs on the A823 (M) M90 Junction 2 Southbound Off-Ramp



### 3.4.2 Monthly Average AM Peak Traffic Flows

Table 3-18 Site: JTC00479 AM Peak Traffic Flows – August 2012 to September 2013

Counter	Location	Date	SB
JTC00479	A823 (M) M90 Junction 2 Southbound Off-Ramp	Aug-11	1,348
		Aug-12	1,146
		Sep-12	1,151
		Oct-12	1,216
		Nov-12	1,167
		Dec-12	1,127
		Jan-13	984
		Feb-13	1,203
		Mar-13	1,137
		Apr-13	1,215
		May-13	1,258
		Jun-13	1,212
		Jul-13	1,161
		Aug-13	1,226
		Sep-13	1,238
		<b>Annual Average</b>	<b>1,165</b>

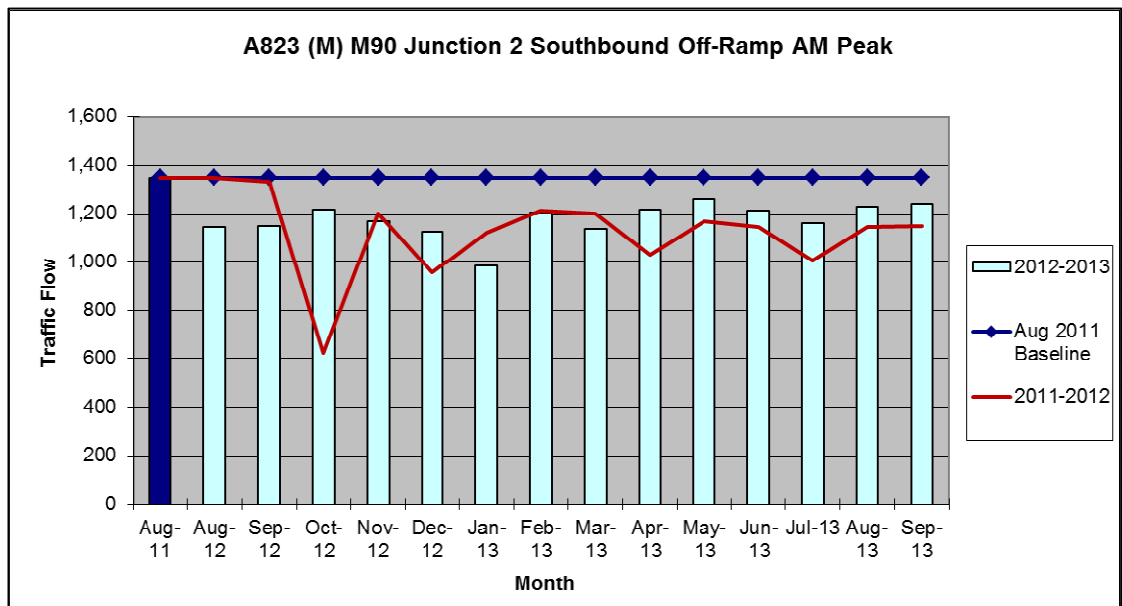


Figure 3-41 Monthly Southbound AM Peak Flows on the A823 (M) M90 Junction 2 Southbound Off-Ramp

### 3.4.3 Monthly Average PM Peak Traffic Flows

Table 3-19 Site: JTC00479 PM Peak Traffic Flows – August 2012 to September 2013

Counter	Location	Date	SB
JTC00479	A823 (M) M90 Junction 2 Southbound Off-Ramp	Aug-11	1,862
		Aug-12	1,949
		Sep-12	1,615
		Oct-12	1,656
		Nov-12	1,606
		Dec-12	1,547
		Jan-13	1,649
		Feb-13	1,687
		Mar-13	1,607
		Apr-13	1,747
		May-13	1,751
		Jun-13	1,685
		Jul-13	1,618
		Aug-13	1,710
		Sep-13	1,717
		<b>Annual Average</b>	<b>1,677</b>

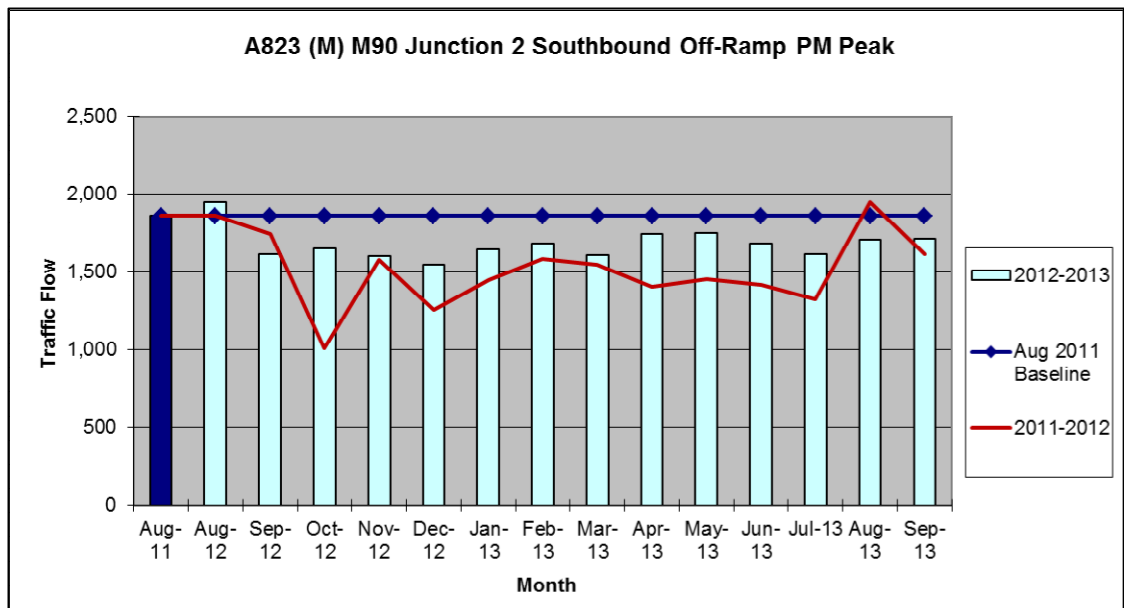


Figure 3-42 Monthly Southbound PM Peak Flows on the A823 (M) M90 Junction 2 Southbound Off-Ramp

### 3.4.4 Monthly Average HGV Flows

Table 3-20 Site: JTC00479 Annual HGV Traffic Flows – August 2012 to September 2013

Counter	Location	Date	SB
JTC00479	A823 (M) M90 Junction 2 Southbound Off-Ramp	Aug-11	109
		Aug-12	104
		Sep-12	85
		Oct-12	88
		Nov-12	83
		Dec-12	84
		Jan-13	65
		Feb-13	78
		Mar-13	88
		Apr-13	81
		May-13	90
		Jun-13	91
		Jul-13	92
		Aug-13	92
		Sep-13	90
		<b>Annual Average</b>	<b>86</b>

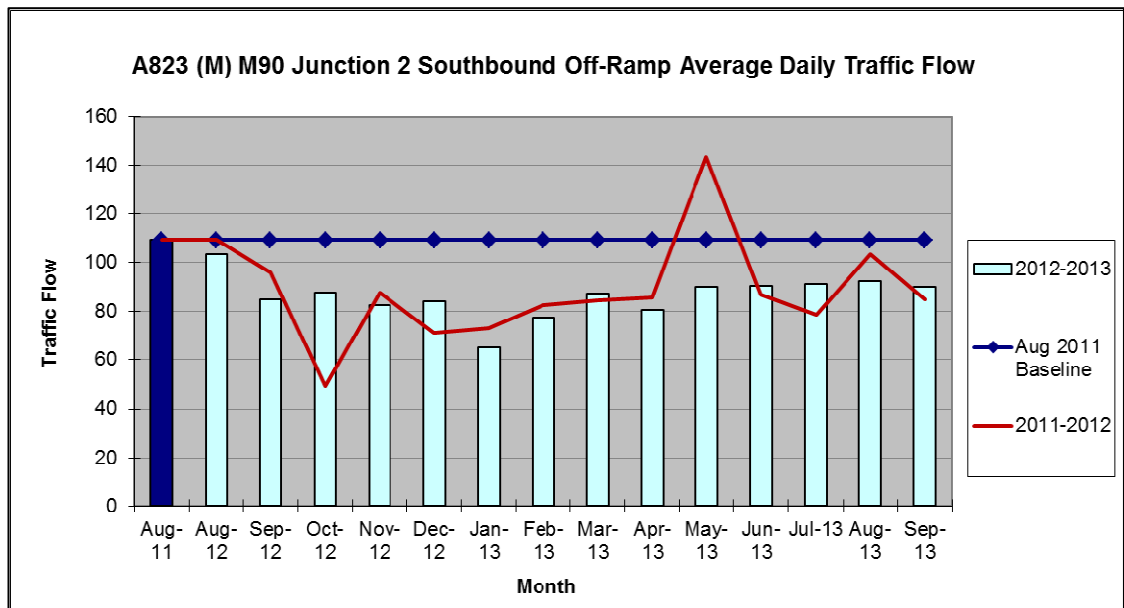


Figure 3-43 Monthly Southbound HGV Traffic Flows on the A823 (M) M90 Junction 2 Southbound Off-Ramp

### 3.4.5 Monthly Average AM Peak HGV Flows

Table 3-21 Site: JTC00479 AM Peak HGV Traffic Flows – August 2012 to September 2013

Counter	Location	Date	SB
JTC00479	A823 (M) M90 Junction 2 Southbound Off-Ramp	Aug-11	32
		Aug-12	24
		Sep-12	23
		Oct-12	25
		Nov-12	22
		Dec-12	24
		Jan-13	17
		Feb-13	21
		Mar-13	22
		Apr-13	24
		May-13	24
		Jun-13	24
		Jul-13	26
		Aug-13	24
Sep-13	24		
		<b>Annual Average</b>	<b>23</b>

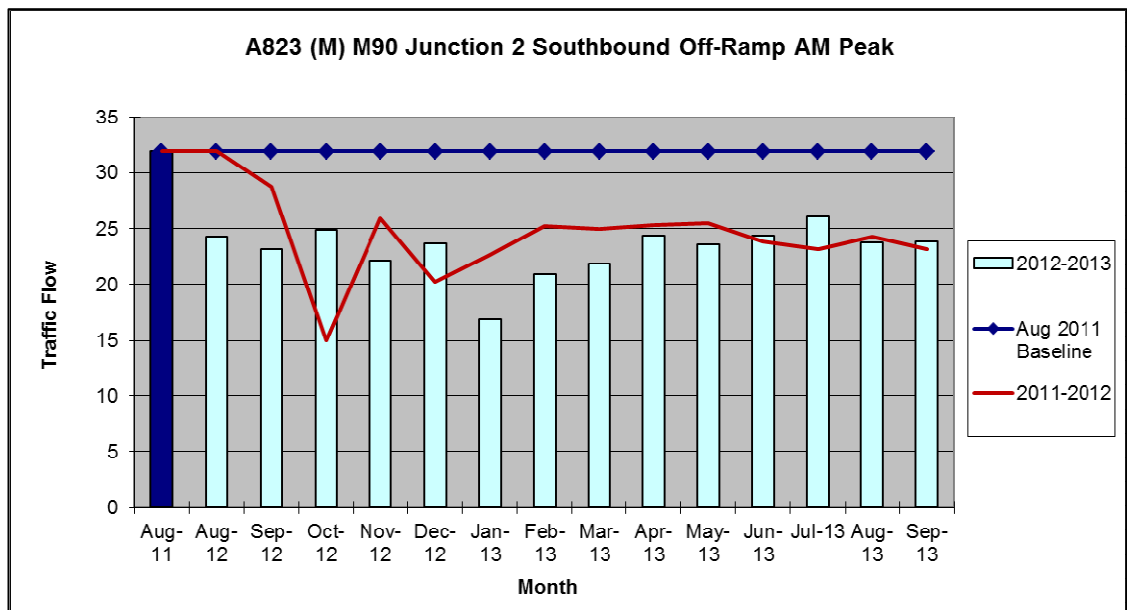


Figure 3-44 Monthly Southbound AM Peak HGV Flows on the A823 (M) M90 Junction 2 Southbound Off-Ramp

### 3.4.6 Monthly Average PM Peak HGV Flows

Table 3-22 Site: JTC00479 PM Peak HGV Traffic Flows – August 2012 to September 2013

Counter	Location	Date	SB
JTC00479	A823 (M) M90 Junction 2 Southbound	Aug-11	12
		Aug-12	18
		Sep-12	12
		Oct-12	10
		Nov-12	10
		Dec-12	9
		Jan-13	8
		Feb-13	9
		Mar-13	11
		Apr-13	8
		May-13	12
		Jun-13	11
		Jul-13	9
		Aug-13	11
Sep-13	13		
		<b>Annual Average</b>	<b>11</b>

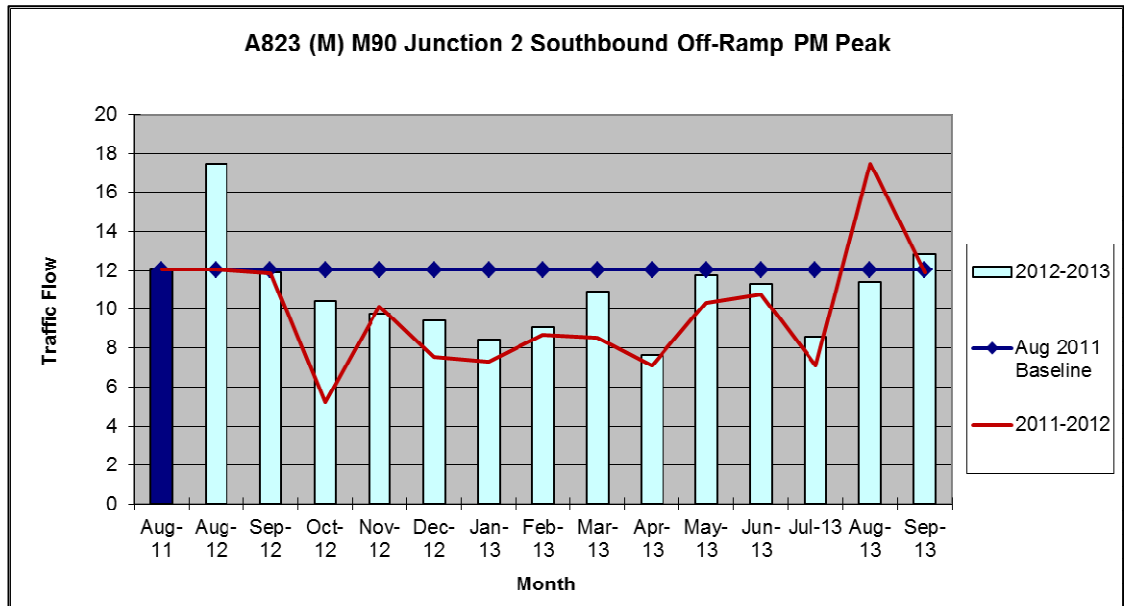
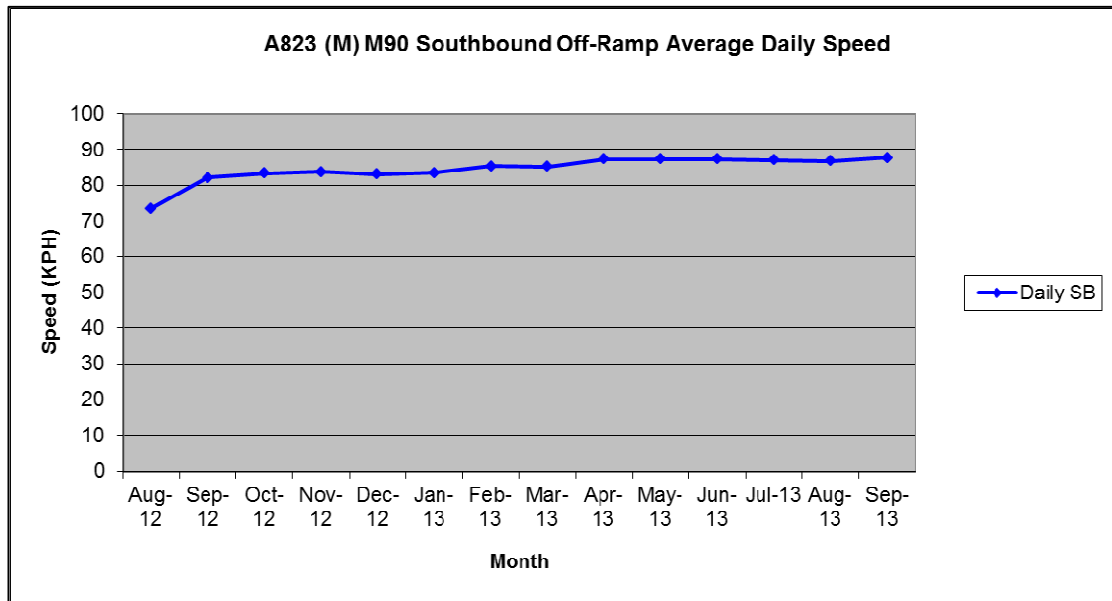


Figure 3-45 Monthly Westbound PM Peak HGV Flows on the A823 (M) M90 Junction 2 Southbound Off-Ramp

### 3.4.7 Monthly Average All Vehicles Traffic Speeds

**Table 3-23 Site: JTC00479 Average Monthly Traffic Speeds (KPH) (All Vehicles) – August 2012 to September 2013**

Counter	Location	Date	SB
JTC00479	A823 (M) M90 Junction 2 Southbound Off-Ramp	Aug-12	74
		Sep-12	82
		Oct-12	83
		Nov-12	84
		Dec-12	83
		Jan-13	84
		Feb-13	85
		Mar-13	85
		Apr-13	87
		May-13	87
		Jun-13	87
		Jul-13	87
		Aug-13	87
Sep-13	88		



**Figure 3-46 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 2012 and September 2013:

- Limited traffic flow data was available for August 2012 to February 2013, 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 the spring months and higher flows over the summer months.
- There is an increase in traffic volume in August 2013 when compared with August 2011.

#### 3.5.1 Monthly Average Traffic Flows

**Table 3-24 Site: JTC00589 Annual Traffic Flows – August 2012 to September 2013**

Counter	Location	Date	NB
JTC00589	A8000 / M9 Spur Northbound	Aug-11	19,549
		Aug-12	No Data
		Sep-12	No Data
		Oct-12	No Data
		Nov-12	No Data
		Dec-12	No Data
		Jan-13	No Data
		Feb-13	No Data
		Mar-13	16,368
		Apr-13	18,488
		May-13	19,042
		Jun-13	19,137
		Jul-13	19,810
		Aug-13	20,703
		Sep-13	20,184
		<b>Annual Average</b>	<b>18,569</b>

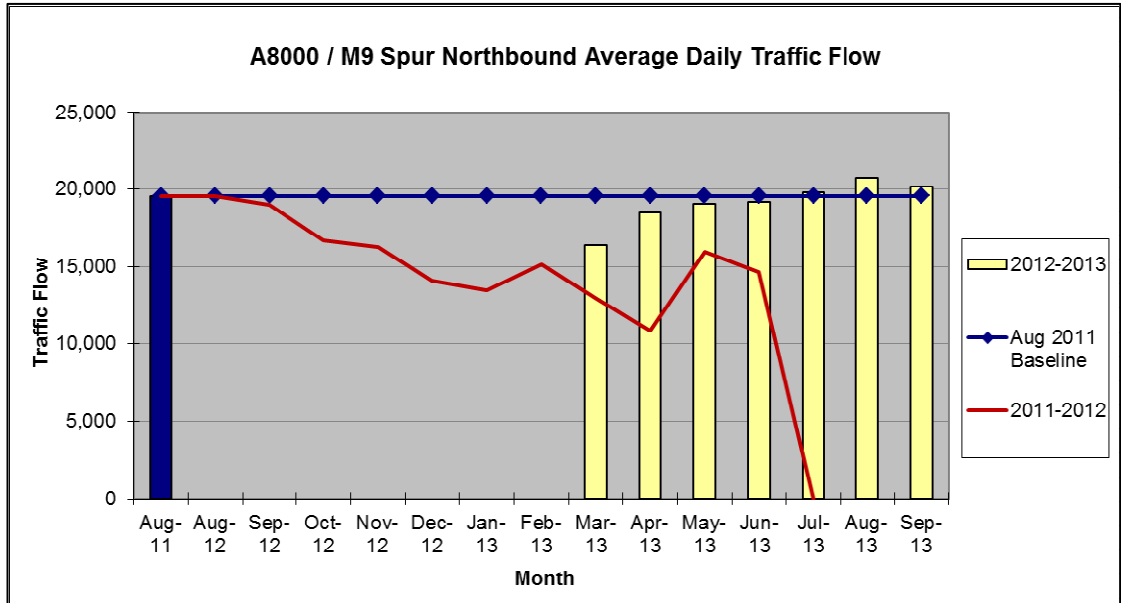


Figure 3-47 Monthly Northbound AADTs on the A8000 / M9 Spur Northbound

### 3.5.2 Monthly Average AM Peak Traffic Flows

Table 3-25 Site: JTC00589 AM Peak Traffic Flows – August 2012 to September 2013

Counter	Location	Date	NB
JTC00589	A8000 / M9 Spur Northbound	Aug-11	3,326
		Aug-12	No Data
		Sep-12	No Data
		Oct-12	No Data
		Nov-12	No Data
		Dec-12	No Data
		Jan-13	No Data
		Feb-13	No Data
		Mar-13	2,135
		Apr-13	3,259
		May-13	3,401
		Jun-13	3,340
		Jul-13	3,468
		Aug-13	3,565
		Sep-13	3,621
		<b>Annual Average</b>	<b>3,121</b>



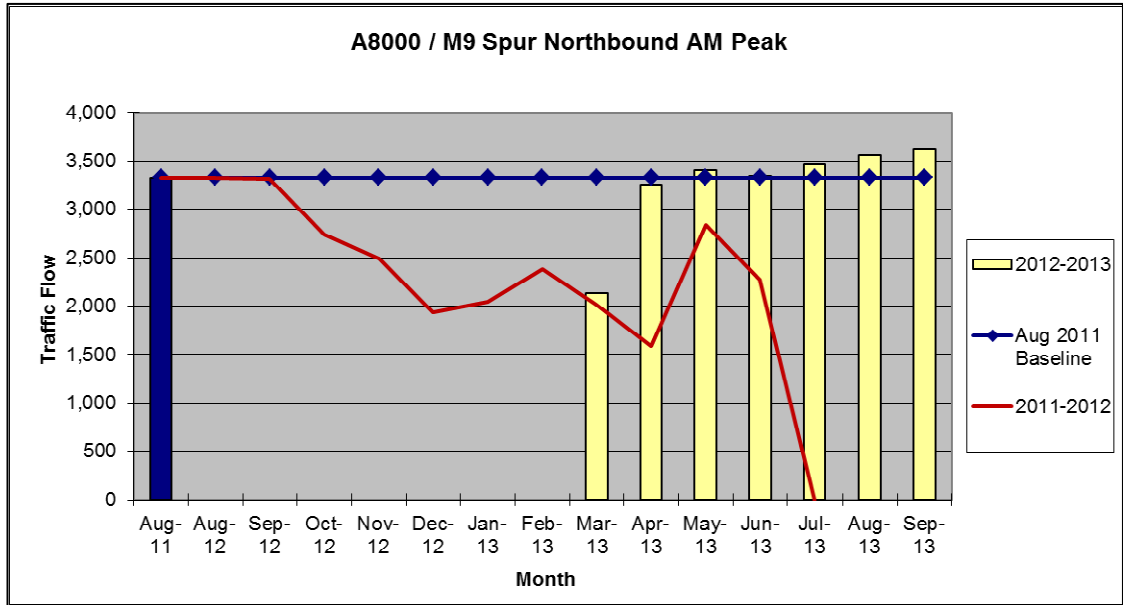


Figure 3-48 Monthly Northbound AM Peak Flows on the A8000 / M9 Spur Northbound

### 3.5.3 Monthly Average PM Peak Traffic Flows

Table 3-26 Site: JTC00589 PM Peak Traffic Flows – August 2012 to September 2013

Counter	Location	Date	NB
JTC00589	A8000 / M9 Spur Northbound	Aug-11	4,449
		Aug-12	No Data
		Sep-12	No Data
		Oct-12	No Data
		Nov-12	No Data
		Dec-12	No Data
		Jan-13	No Data
		Feb-13	No Data
		Mar-13	4,224
		Apr-13	4,255
		May-13	4,213
		Jun-13	4,216
		Jul-13	4,194
		Aug-13	4,615
		Sep-13	4,540
		<b>Annual Average</b>	<b>4,220</b>

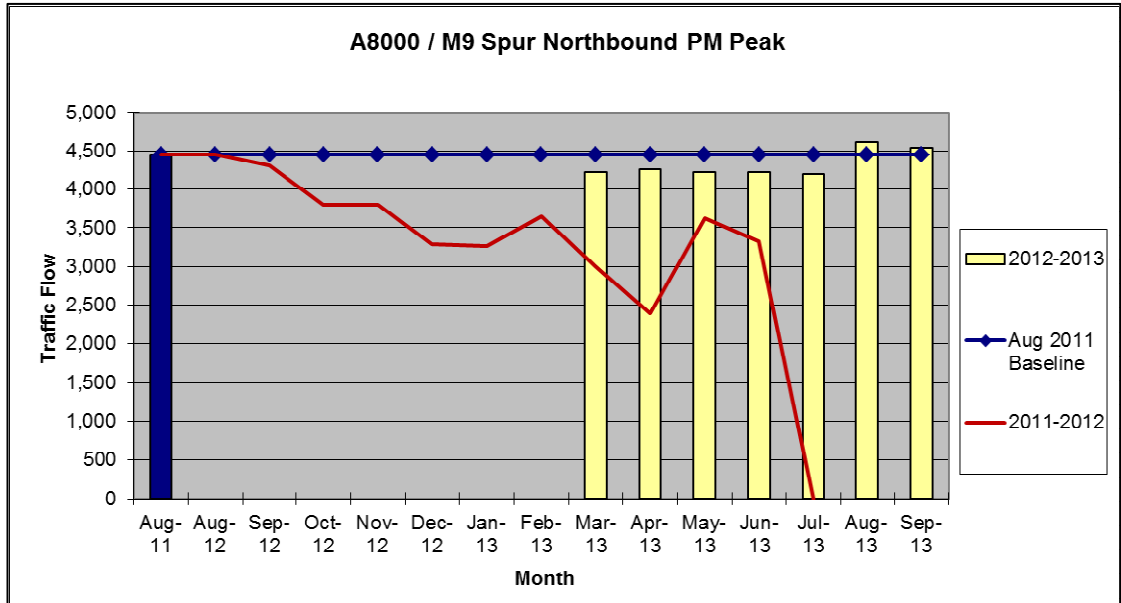


Figure 3-49 Monthly Northbound PM Peak Flows on the A8000 / M9 Spur Northbound

### 3.5.4 Monthly Average HGV Flows

Table 3-27 Site: JTC00589 Annual HGV Traffic Flows – August 2012 to September 2013

Counter	Location	Date	NB
JTC00589	A8000 / M9 Spur Northbound	Aug-11	1,122
		Aug-12	No Data
		Sep-12	No Data
		Oct-12	No Data
		Nov-12	No Data
		Dec-12	No Data
		Jan-13	No Data
		Feb-13	No Data
		Mar-13	961
		Apr-13	1,184
		May-13	1,246
		Jun-13	1,242
		Jul-13	1,275
		Aug-13	1,316
		Sep-13	1,352
		<b>Annual Average</b>	<b>1,182</b>

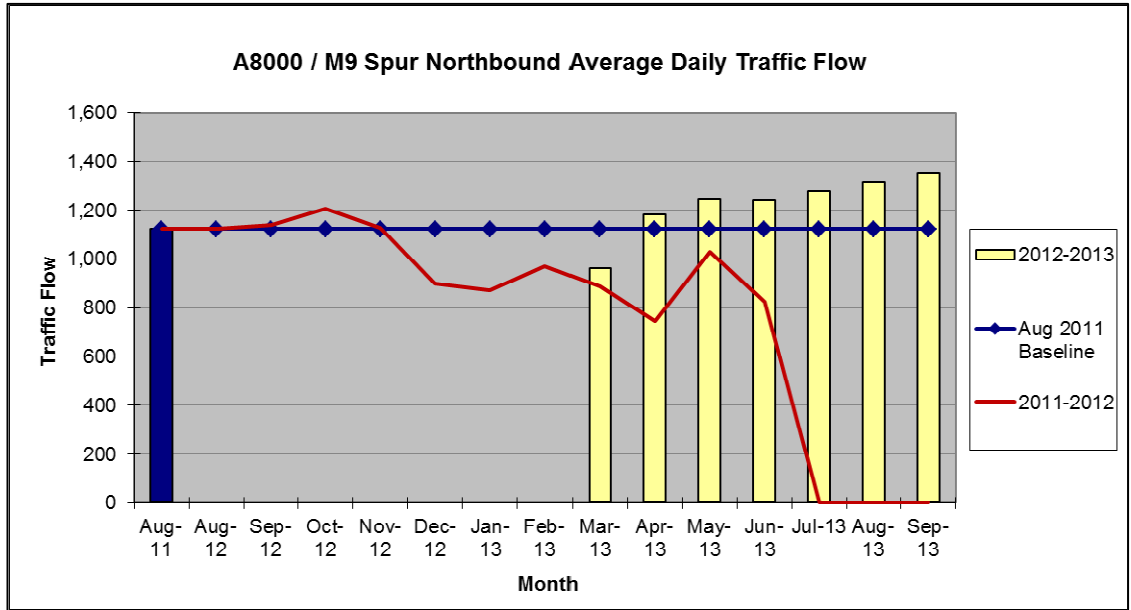


Figure 3-50 Monthly Eastbound HGV Traffic Flows on the A8000 / M9 Spur Northbound

### 3.5.5 Monthly Average AM Peak HGV Flows

Table 3-28 Site: JTC00589 AM Peak HGV Traffic Flows – August 2012 to September 2013

Counter	Location	Date	NB
JTC00589	A8000 / M9 Spur Northbound	Aug-11	227
		Aug-12	No Data
		Sep-12	No Data
		Oct-12	No Data
		Nov-12	No Data
		Dec-12	No Data
		Jan-13	No Data
		Feb-13	No Data
		Mar-13	184
		Apr-13	261
		May-13	266
		Jun-13	263
		Jul-13	277
		Aug-13	280
Sep-13	286		
		<b>Annual Average</b>	<b>250</b>

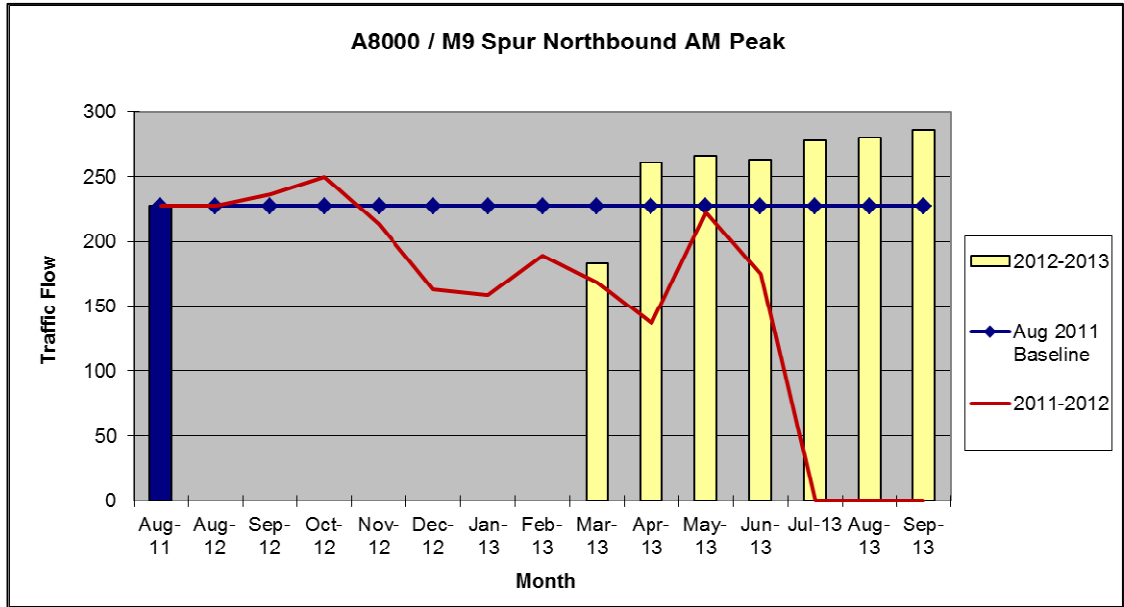


Figure 3-51 Monthly Northbound AM Peak HGV Flows on the A8000 / M9 Spur Northbound

### 3.5.6 Monthly Average PM Peak HGV Flows

Table 3-29 Site: JTC00589 PM Peak HGV Traffic Flows – August 2012 to September 2013

Counter	Location	Date	NB
JTC00589	A8000 / M9 Spur Northbound	Aug-11	132
		Aug-12	No Data
		Sep-12	No Data
		Oct-12	No Data
		Nov-12	No Data
		Dec-12	No Data
		Jan-13	No Data
		Feb-13	No Data
		Mar-13	140
		Apr-13	118
		May-13	125
		Jun-13	127
		Jul-13	127
		Aug-13	136
Sep-13	146		
		<b>Annual Average</b>	<b>127</b>

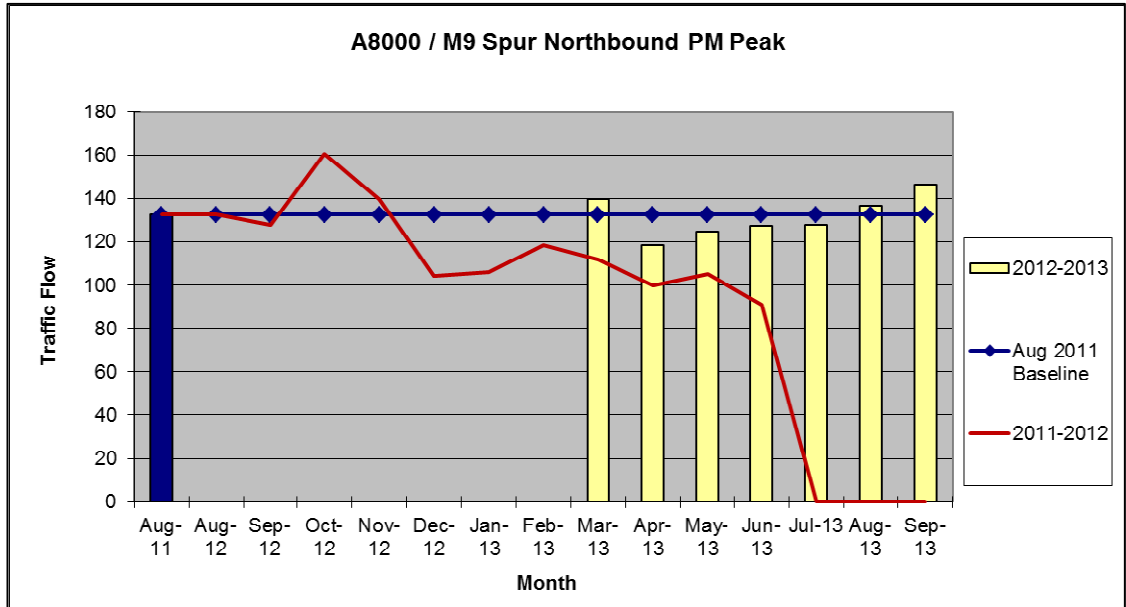
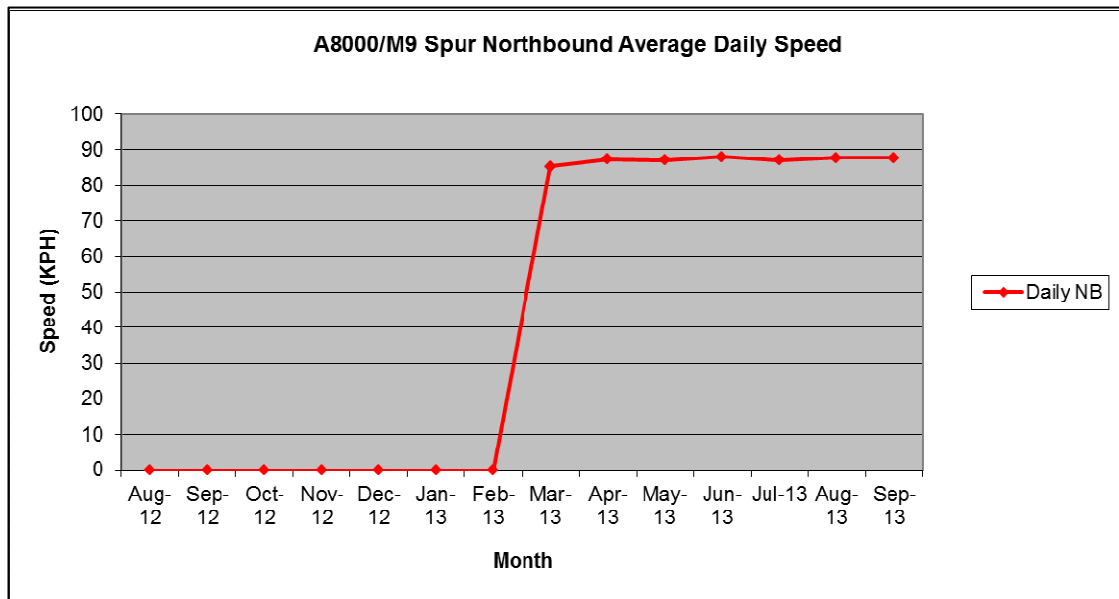


Figure 3-52 Monthly Westbound PM Peak HGV Flows on the A8000 / M9 Spur Northbound

### 3.5.7 Monthly Average All Vehicles Traffic Speeds

**Table 3-30 Site: JTC00589 Average Monthly Traffic Speeds (KPH) (All Vehicles) – August 2012 to September 2013**

Counter	Location	Date	NB
JTC00589	A8000 / M9 Spur Northbound	Aug-12	No Data
		Sep-12	No Data
		Oct-12	No Data
		Nov-12	No Data
		Dec-12	No Data
		Jan-13	No Data
		Feb-13	No Data
		Mar-13	85
		Apr-13	87
		May-13	87
		Jun-13	88
		Jul-13	87
		Aug-13	88
		Sep-13	88



**Figure 3-53 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 2012 and September 2013:

- Traffic flow groups are indicative of typical seasonal variation; with lower flows in December 2012 and January 2013 and higher flows over the summer months.
- The flow groups were higher in August and September 2013 when compared to August and September 2012, and to August and September 2011.

#### 3.6.1 Monthly Average Traffic Flows

Table 3-31 Site: JTC00590 Annual Traffic Flows – August 2012 to September 2013

Counter	Location	Date	SB
JTC00590	A8000 / M9 Spur Southbound	Aug-11	20,468
		Aug-12	18,202
		Sep-12	17,407
		Oct-12	15,814
		Nov-12	15,859
		Dec-12	14,200
		Jan-13	14,721
		Feb-13	17,469
		Mar-13	17,923
		Apr-13	19,372
		May-13	20,024
		Jun-13	20,117
		Jul-13	20,900
		Aug-13	21,477
Sep-13	20,942		
<b>Annual Average</b>			<b>17,667</b>

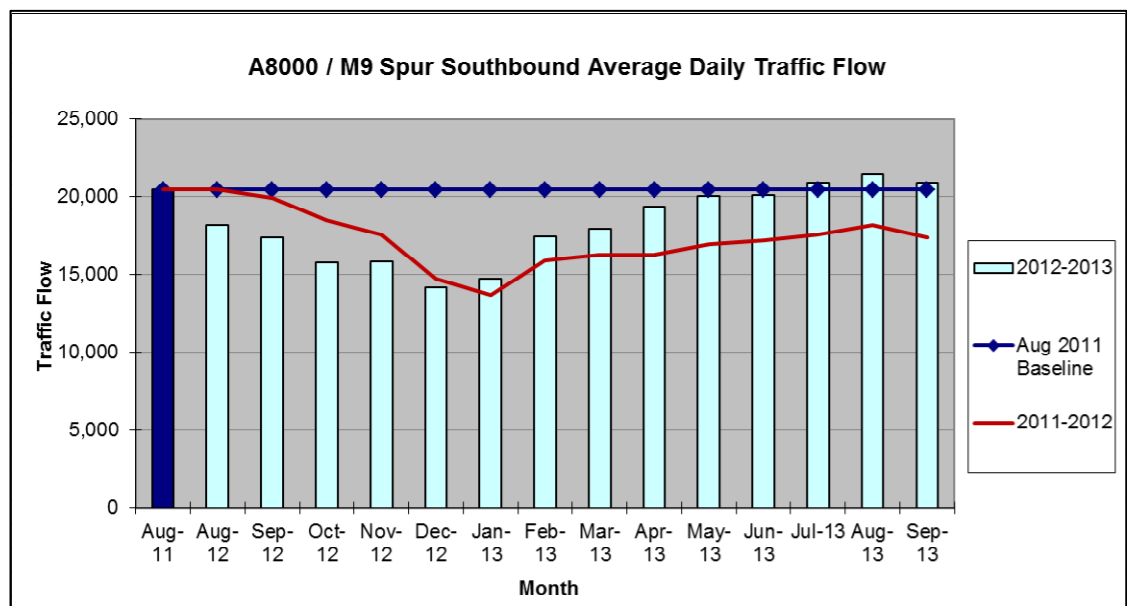


Figure 3-54 Monthly Southbound AADTs on the A8000 / M9 Spur Southbound

### 3.6.2 Monthly Average AM Peak Traffic Flows

Table 3-32 Site: JTC00590 AM Peak Traffic Flows – August 2012 to September 2013

Counter	Location	Date	SB
JTC00590	A8000 / M9 Spur Southbound	Aug-11	3,966
		Aug-12	3,521
		Sep-12	3,351
		Oct-12	3,205
		Nov-12	2,956
		Dec-12	2,512
		Jan-13	3,153
		Feb-13	3,694
		Mar-13	3,722
		Apr-13	3,864
		May-13	4,078
		Jun-13	3,961
		Jul-13	4,050
		Aug-13	4,112
Sep-13	4,167		
		<b>Annual Average</b>	<b>3,506</b>

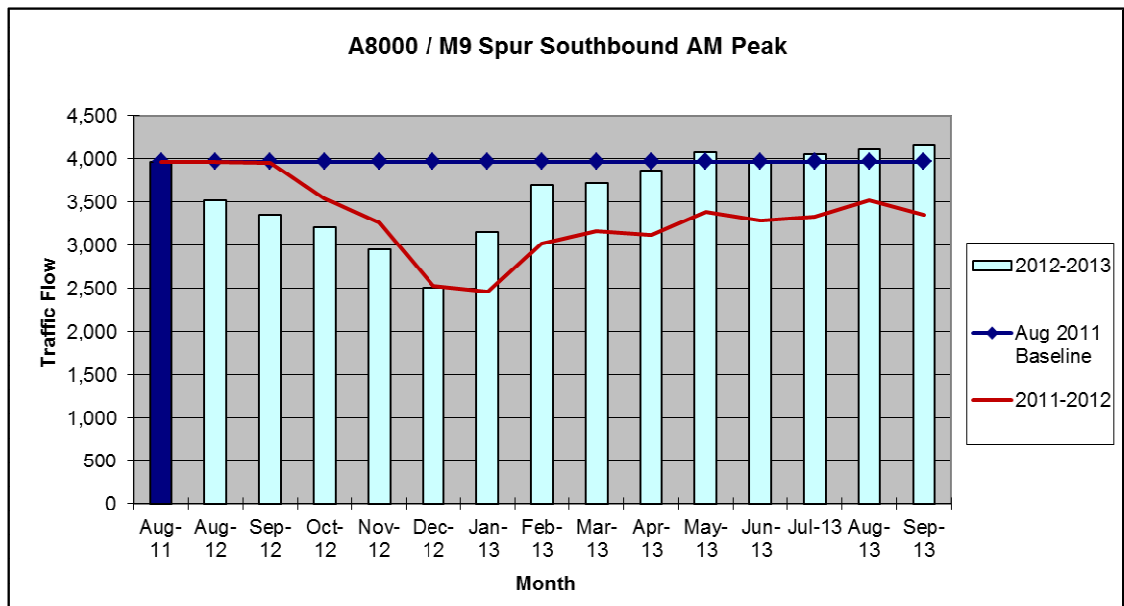


Figure 3-55 Monthly Southbound AM Peak Flows on the A8000 / M9 Spur Southbound



### 3.6.3 Monthly Average PM Peak Traffic Flows

Table 3-33 Site: JTC00590 PM Peak Traffic Flows – August 2012 to September 2013

Counter	Location	Date	SB
JTC00590	A8000 / M9 Spur Southbound	Aug-11	4,031
		Aug-12	3,581
		Sep-12	3,454
		Oct-12	3,165
		Nov-12	3,380
		Dec-12	2,594
		Jan-13	2,812
		Feb-13	3,484
		Mar-13	3,491
		Apr-13	3,885
		May-13	4,009
		Jun-13	3,928
		Jul-13	4,105
		Aug-13	4,324
		Sep-13	4,263
		<b>Annual Average</b>	<b>3,491</b>

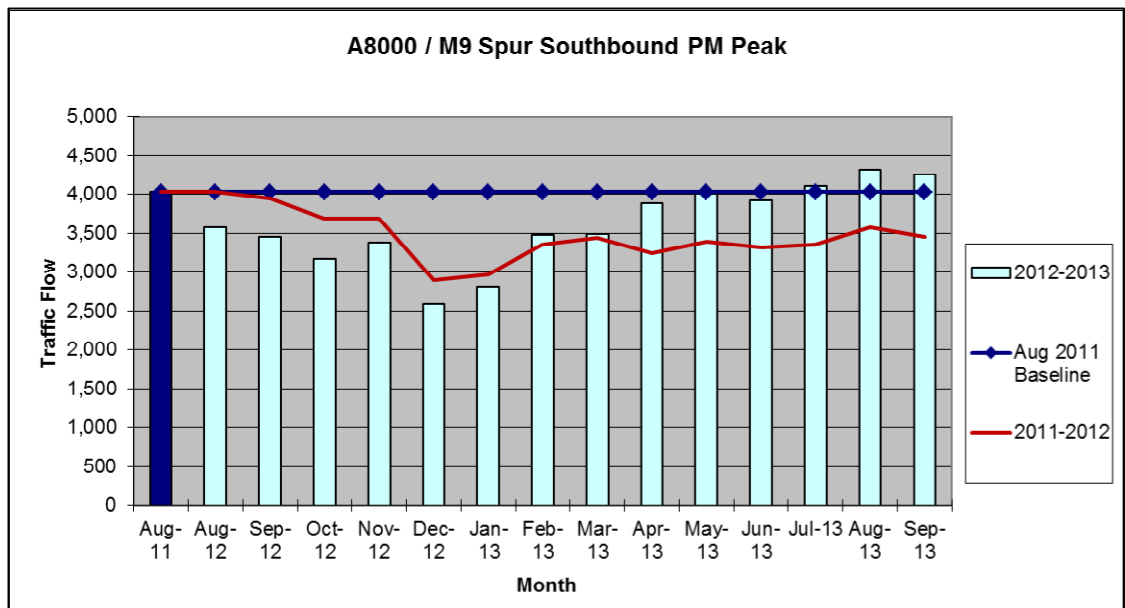


Figure 3-56 Monthly Southbound PM Peak Flows on the A8000 / M9 Spur Southbound

### 3.6.4 Monthly Average HGV Flows

Table 3-34 Site: JTC00590 Annual HGV Traffic Flows – August 2012 to September 2013

Counter	Location	Date	SB
JTC00590	A8000 / M9 Spur Southbound	Aug-11	1,139
		Aug-12	1,054
		Sep-12	996
		Oct-12	1,002
		Nov-12	1,037
		Dec-12	904
		Jan-13	964
		Feb-13	1,093
		Mar-13	1,155
		Apr-13	1,183
		May-13	1,241
		Jun-13	1,245
		Jul-13	1,293
		Aug-13	1,307
		Sep-13	1,360
		<b>Annual Average</b>	<b>1,097</b>

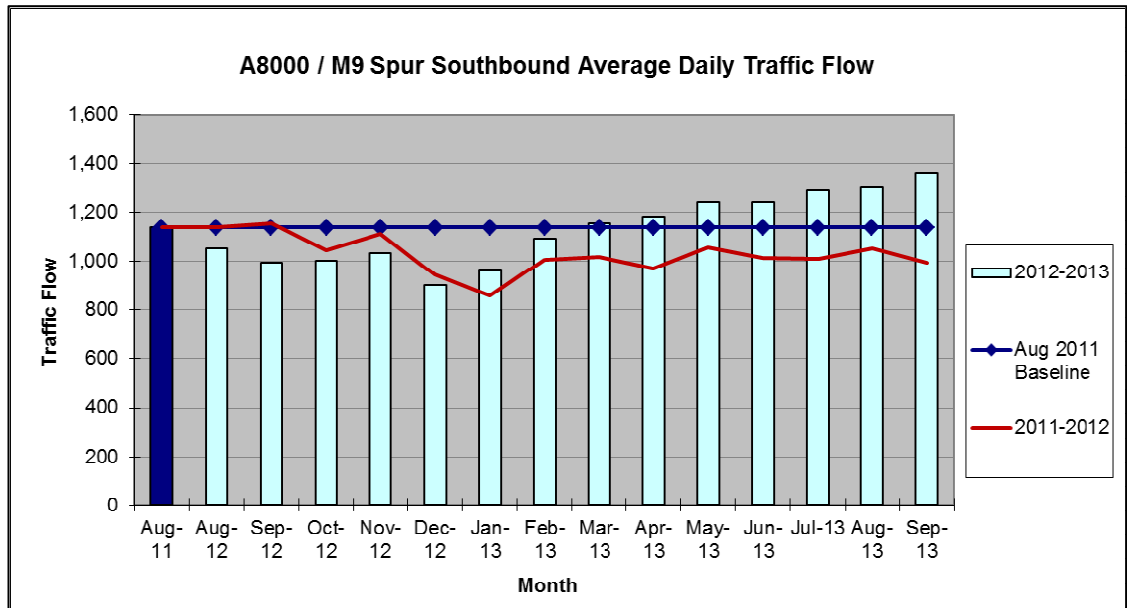


Figure 3-57 Monthly HGV Traffic Flows on the A8000 / M9 Spur Southbound

### 3.6.5 Monthly Average AM Peak HGV Flows

Table 3-35 Site: JTC00590 AM Peak HGV Traffic Flows – August 2012 to September 2013

Counter	Location	Date	SB
JTC00590	A8000 / M9 Spur Southbound	Aug-11	169
		Aug-12	161
		Sep-12	156
		Oct-12	153
		Nov-12	134
		Dec-12	126
		Jan-13	155
		Feb-13	175
		Mar-13	187
		Apr-13	192
		May-13	202
		Jun-13	205
		Jul-13	207
		Aug-13	208
Sep-13	216		
		<b>Annual Average</b>	<b>171</b>

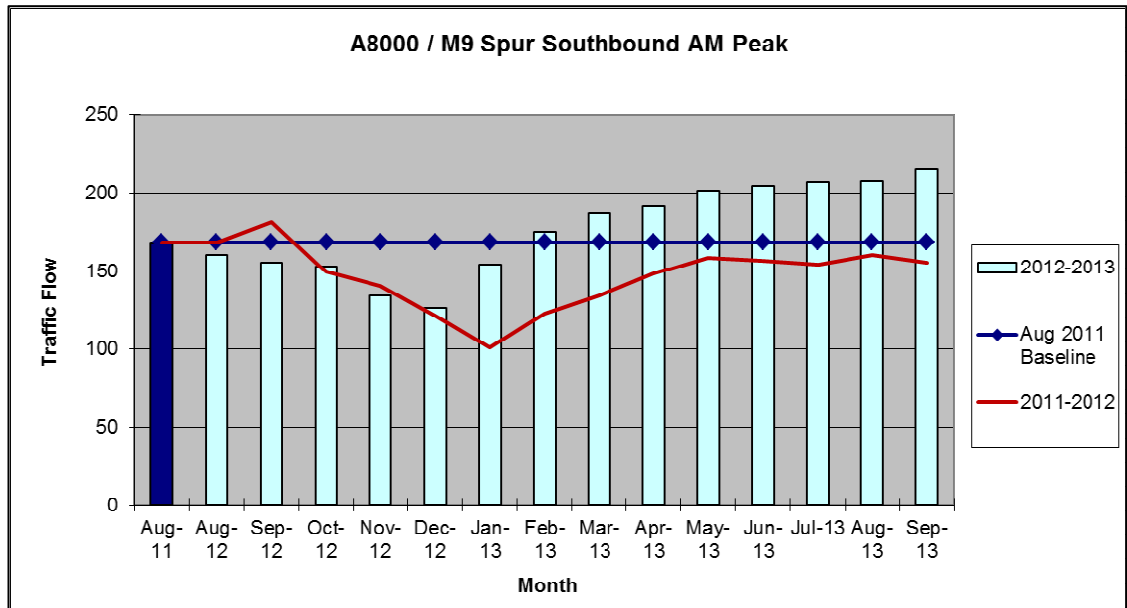


Figure 3-58 Monthly AM Peak HGV Flows on the A8000 / M9 Spur Southbound

### 3.6.6 Monthly Average PM Peak HGV Flows

Table 3-36 Site: JTC00590 PM Peak HGV Traffic Flows – August 2012 to September 2013

Counter	Location	Date	NB
JTC00590	A8000 / M9 Spur Southbound	Aug-11	173
		Aug-12	155
		Sep-12	152
		Oct-12	155
		Nov-12	188
		Dec-12	139
		Jan-13	136
		Feb-13	164
		Mar-13	170
		Apr-13	177
		May-13	182
		Jun-13	179
		Jul-13	194
		Aug-13	193
		Sep-13	205
		<b>Annual Average</b>	<b>166</b>

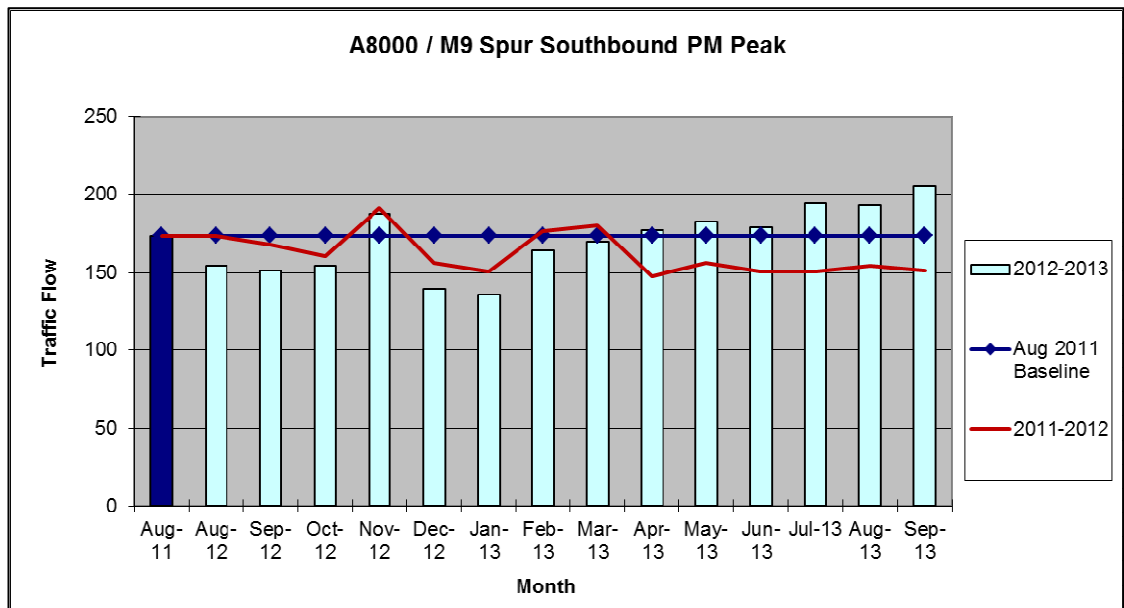
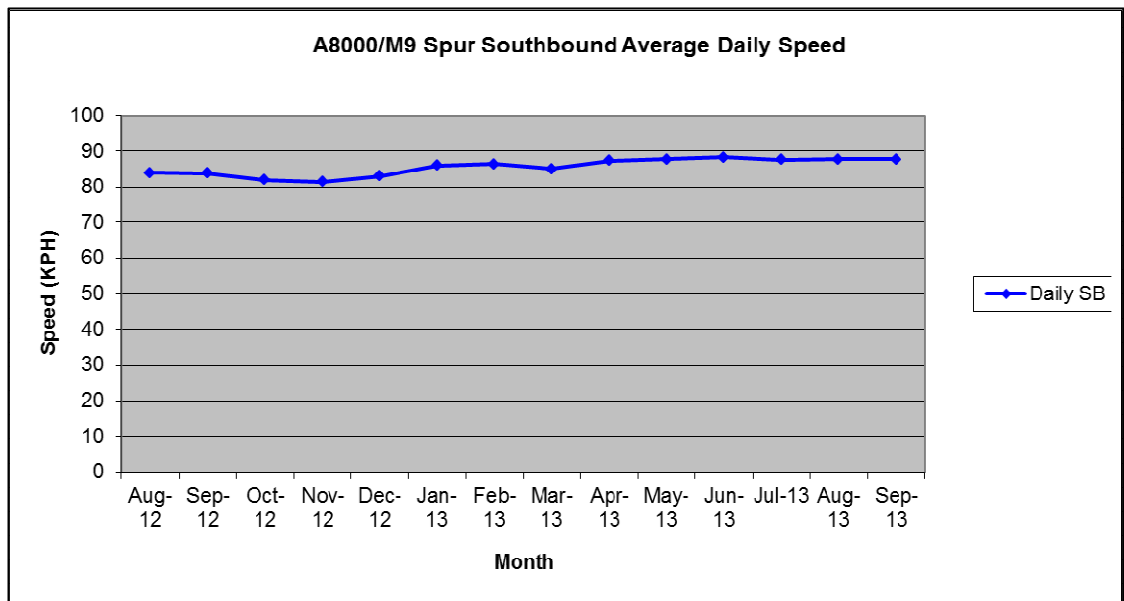


Figure 3-59 Monthly PM Peak HGV Flows on the A8000 / M9 Spur Southbound

### 3.6.7 Monthly Average All Vehicles Traffic Speeds

**Table 3-37 Site: JTC00590 Average Monthly Traffic Speeds (KPH) (All Vehicles) – August 2012 to September 2013**

Counter	Location	Date	SB
JTC00590	A8000 / M9 Spur Southbound	Aug-12	84
		Sep-12	84
		Oct-12	82
		Nov-12	81
		Dec-12	83
		Jan-13	86
		Feb-13	86
		Mar-13	85
		Apr-13	87
		May-13	88
		Jun-13	88
		Jul-13	88
		Aug-13	88
Sep-13	88		



**Figure 3-60 Average Monthly Traffic Speeds (KPH) on the A8000 / M9 Spur Southbound**

### 3.7 Traffic Counter JTC06460 – A823 (M) M90 Junction 2 Northbound On-Ramp

Summary of statistics between August 2012 and September 2013:

- JTC06460 replaced JTC05478, with data available from December 2012.
- As limited traffic flow data was available for August 2012 to November 2012, the data was not considered to be sufficiently representative for full analysis.

#### 3.7.1 Monthly Average Traffic Flows

Table 3-38 Site: JTC06450 Annual Traffic Flows – August 2012 to September 2013

Counter	Location	Date	NB
JTC06460	A823 (M) M90 Junction 2 Northbound On-Ramp	Aug-11	7,161
		Aug-12	No Data
		Sep-12	No Data
		Oct-12	No Data
		Nov-12	No Data
		Dec-12	1,706
		Jan-13	2,609
		Feb-13	2,838
		Mar-13	2,760
		Apr-13	2,884
		May-13	4,607
		Jun-13	5,821
		Jul-13	5,540
		Aug-13	5,959
Sep-13	5,807		
<b>Annual Average</b>			<b>3,596</b>

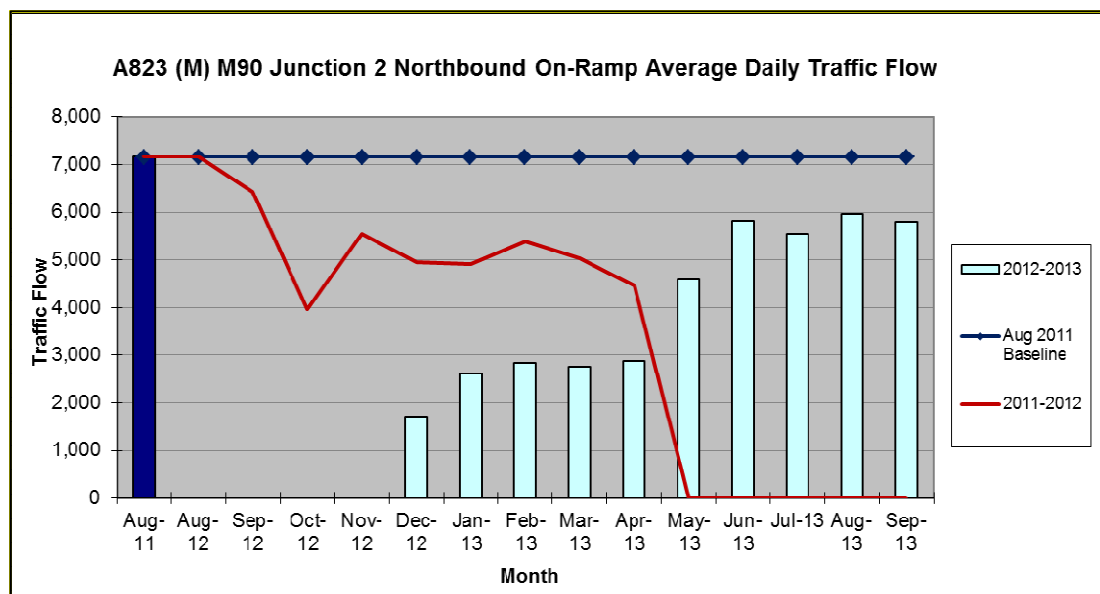
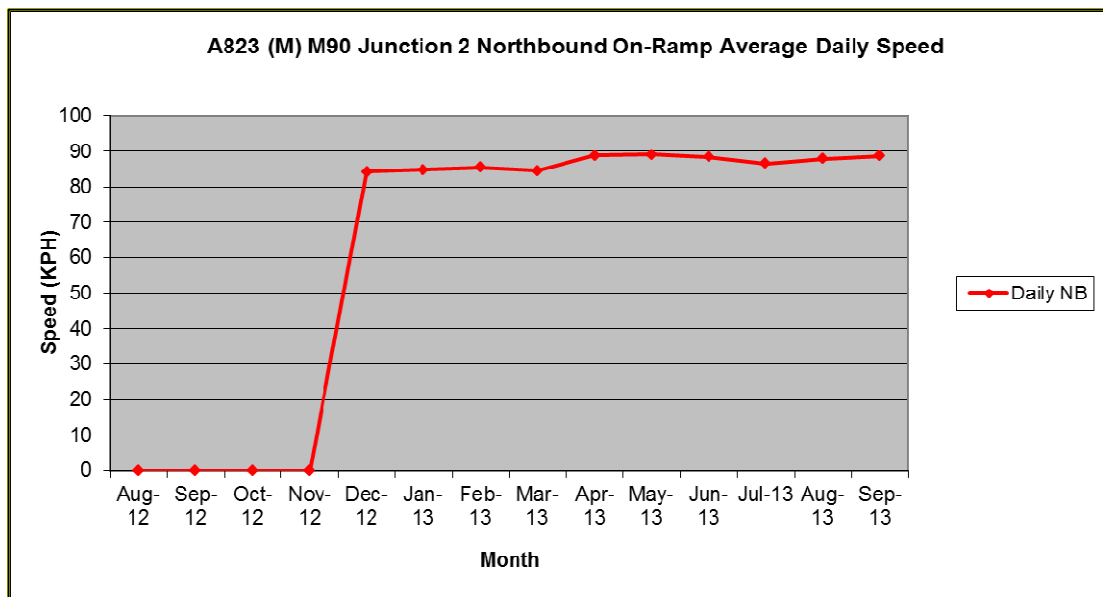


Figure 3-61 Monthly Northbound AADTs on the A823 (M) M90 Junction 2 Northbound On-Ramp

### 3.7.2 Monthly Average All Vehicles Traffic Speeds

**Table 3-39 Site: JTC06460 Average Monthly Traffic Speeds (KPH) (All Vehicles) – August 2012 to September 2013**

Counter	Location	Date	NB
JTC06460	A823 (M) M90 Junction 2 Northbound On-Ramp	Aug-12	No Data
		Sep-12	No Data
		Oct-12	No Data
		Nov-12	No Data
		Dec-12	84
		Jan-13	85
		Feb-13	85
		Mar-13	84
		Apr-13	89
		May-13	89
		Jun-13	88
		Jul-13	87
		Aug-13	88
Sep-13	89		



**Figure 3-62 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 September 2012 and September 2013:

- Traffic flow groups are indicative of typical seasonal variation; with lower flows in January 2013 and higher flows over the summer months.
- The flow groups were higher in August and September 2013 when compared to August and September 2012, but lower when compared to August and September 2011.
- The AADT flows in September 2012 were uncharacteristically low.

#### 3.8.1 Monthly Average Traffic Flows

**Table 3-40 Site: JTC05479 Annual Traffic Flows – August 2012 to September 2013**

Counter	Location	Date	NB
JTC05479	A823 (M) M90 Junction 2 Northbound Off-Ramp	Aug-11	3,244
		Aug-12	2,769
		Sep-12	2,466
		Oct-12	2,667
		Nov-12	2,664
		Dec-12	2,605
		Jan-13	2,492
		Feb-13	2,892
		Mar-13	2,724
		Apr-13	2,846
		May-13	2,949
		Jun-13	2,926
		Jul-13	2,836
		Aug-13	3,070
		Sep-13	3,060
		<b>Annual Average</b>	<b>2,736</b>



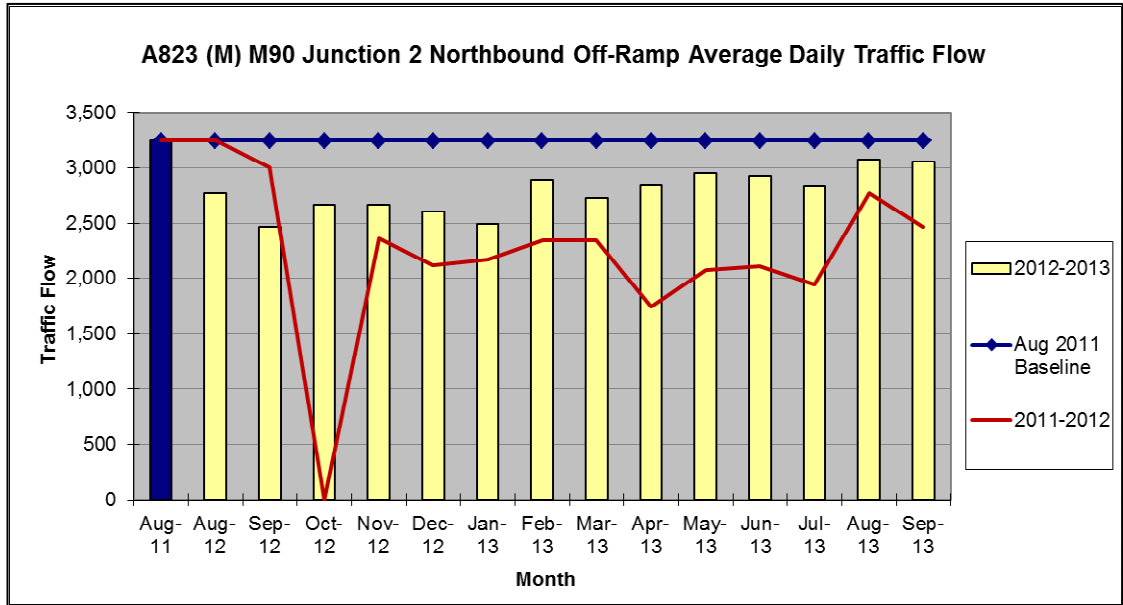


Figure 3-63 Monthly AADTs on the A823 (M) M90 Junction 2 Northbound Off-Ramp

### 3.8.2 Monthly Average AM Peak Traffic Flows

Table 3-41 Site: JTC05479 AM Peak Traffic Flows – August 2012 to September 2013

Counter	Location	Date	NB
JTC05479	A823 (M) M90 Junction 2 Northbound Off-Ramp	Aug-11	977
		Aug-12	759
		Sep-12	764
		Oct-12	840
		Nov-12	847
		Dec-12	823
		Jan-13	775
		Feb-13	927
		Mar-13	811
		Apr-13	864
		May-13	902
		Jun-13	883
		Jul-13	843
		Aug-13	912
Sep-13	953		
<b>Annual Average</b>			<b>836</b>

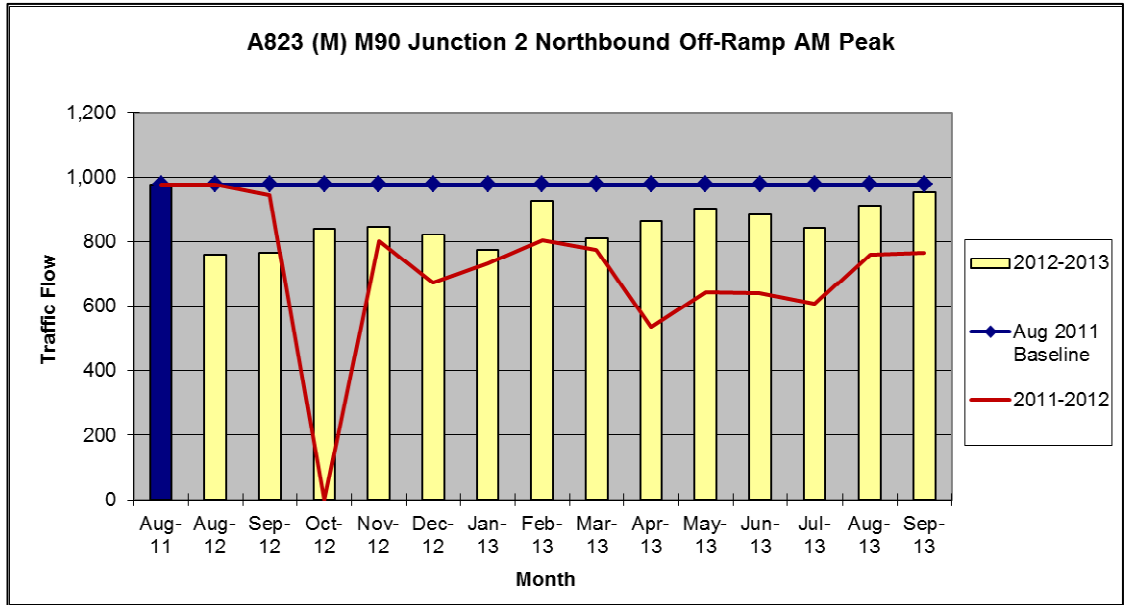


Figure 3-64 Monthly AM Peak Flows on the A823 (M) M90 Junction 2 Northbound Off-Ramp

### 3.8.3 Monthly Average PM Peak Traffic Flows

Table 3-42 Site: JTC05479 PM Peak Traffic Flows – August 2012 to September 2013

Counter	Location	Date	NB
JTC05479	A823 (M) M90 Junction 2 Northbound Off-Ramp	Aug-11	642
		Aug-12	588
		Sep-12	483
		Oct-12	498
		Nov-12	497
		Dec-12	458
		Jan-13	482
		Feb-13	534
		Mar-13	510
		Apr-13	531
		May-13	564
		Jun-13	561
		Jul-13	521
		Aug-13	575
Sep-13	584		
		<b>Annual Average</b>	<b>519</b>

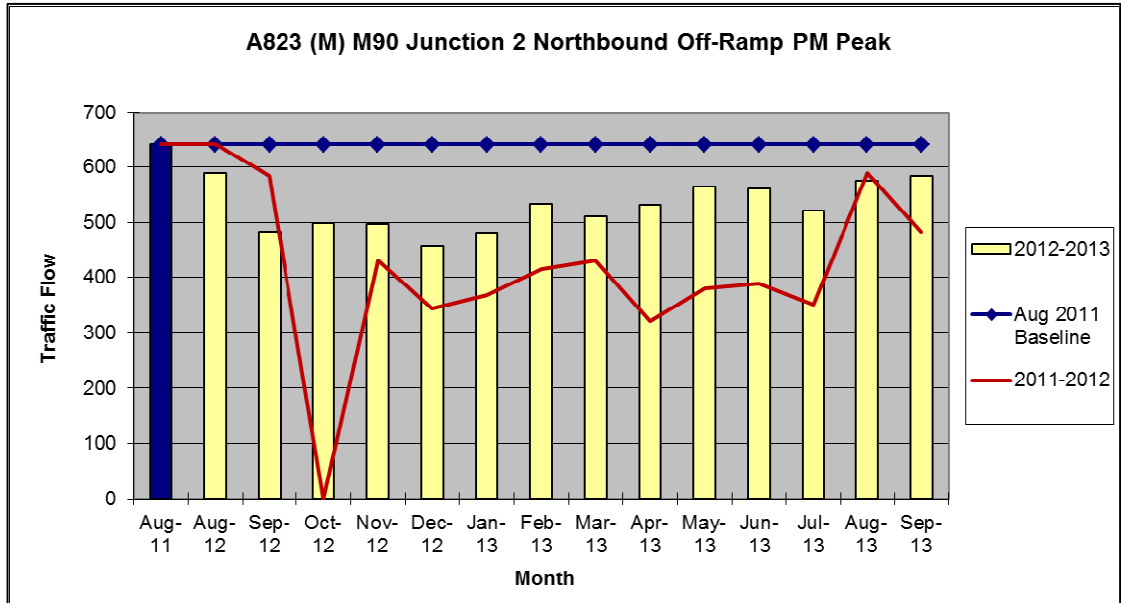


Figure 3-65 Monthly PM Peak Flows on the A823 (M) M90 Junction 2 Northbound Off-Ramp

### 3.8.4 Monthly Average HGV Flows

Table 3-43 Site: JTC05479 Annual HGV Traffic Flows – August 2012 to September 2013

Counter	Location	Date	NB
JTC05479	A823 (M) M90 Junction 2 Northbound Off-Ramp	Aug-11	37
		Aug-12	31
		Sep-12	26
		Oct-12	25
		Nov-12	26
		Dec-12	22
		Jan-13	35
		Feb-13	26
		Mar-13	23
		Apr-13	26
		May-13	21
		Jun-13	24
		Jul-13	22
		Aug-13	24
Sep-13	23		
		<b>Annual Average</b>	<b>26</b>

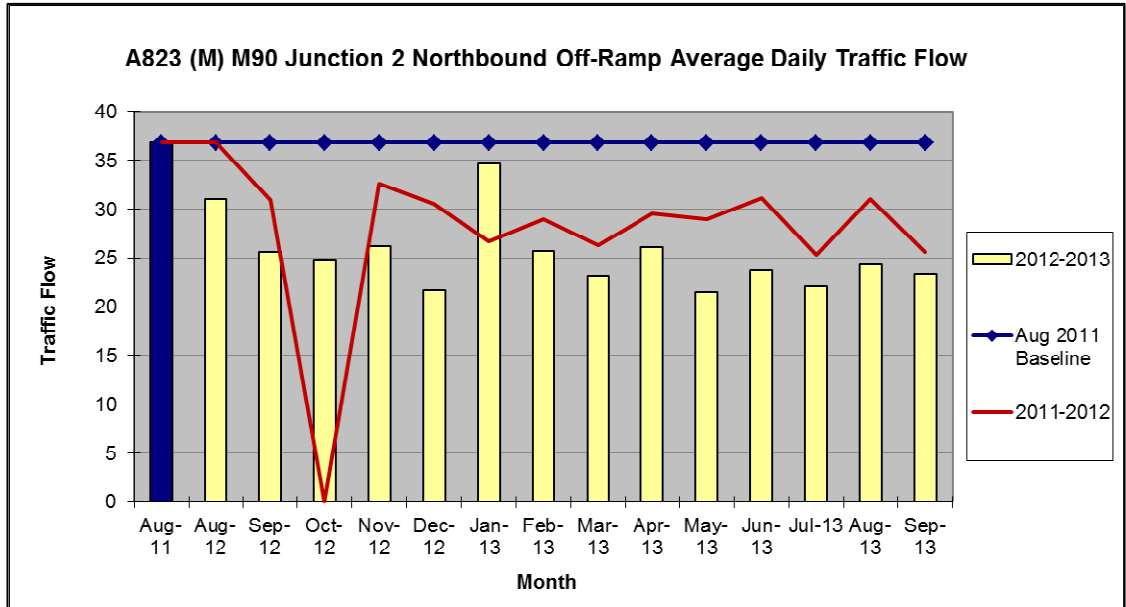


Figure 3-66 Monthly HGV Traffic Flows on the A823 (M) M90 Junction 2 Northbound Off-Ramp

### 3.8.5 Monthly Average AM Peak HGV Flows

Table 3-44 Site: JTC05479 AM Peak HGV Traffic Flows – August 2012 to September 2013

Counter	Location	Date	NB
JTC05479	A823 (M) M90 Junction 2 Northbound Off-Ramp	Aug-11	8
		Aug-12	5
		Sep-12	6
		Oct-12	6
		Nov-12	7
		Dec-12	5
		Jan-13	5
		Feb-13	6
		Mar-13	6
		Apr-13	6
		May-13	4
		Jun-13	6
		Jul-13	4
		Aug-13	5
Sep-13	6		
<b>Annual Average</b>			<b>5</b>

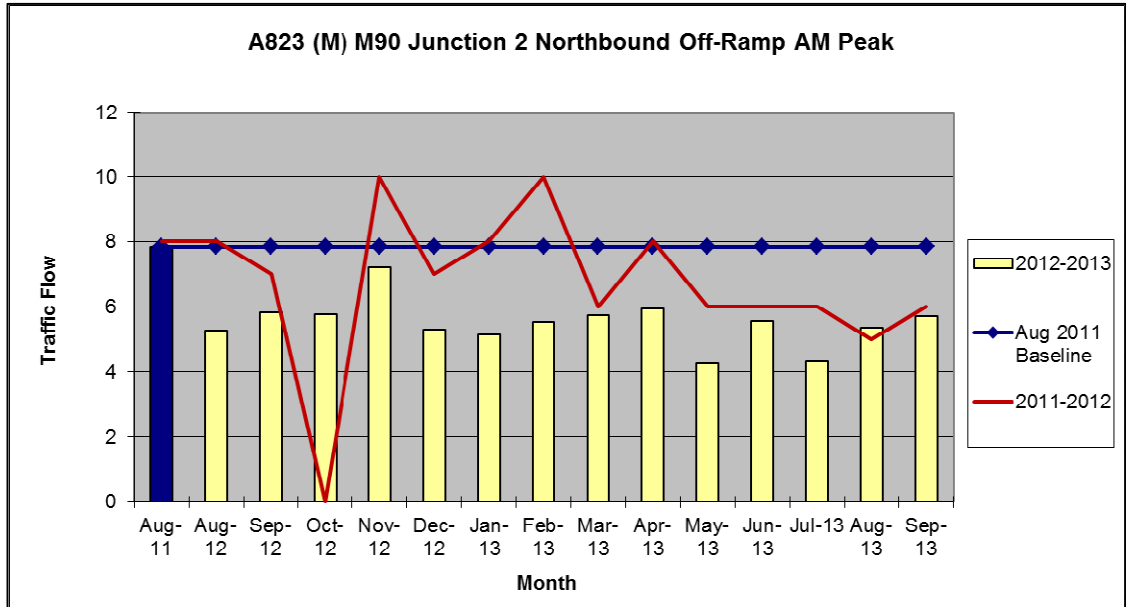


Figure 3-67 Monthly AM Peak HG V Flows on the A823 (M) M90 Junction 2 Northbound Off-Ramp

### 3.8.6 Monthly Average PM Peak HG V Flows

Table 3-45 Site: JTC05479 PM Peak HG V Traffic Flows – August 2012 to September 2013

Counter	Location	Date	NB
JTC05479	A823 (M) M90 Junction 2 Northbound Off-Ramp	Aug-11	4
		Aug-12	3
		Sep-12	3
		Oct-12	2
		Nov-12	2
		Dec-12	2
		Jan-13	6
		Feb-13	3
		Mar-13	3
		Apr-13	3
		May-13	3
		Jun-13	4
		Jul-13	4
		Aug-13	4
Sep-13	4		
	<b>Annual Average</b>	<b>3</b>	

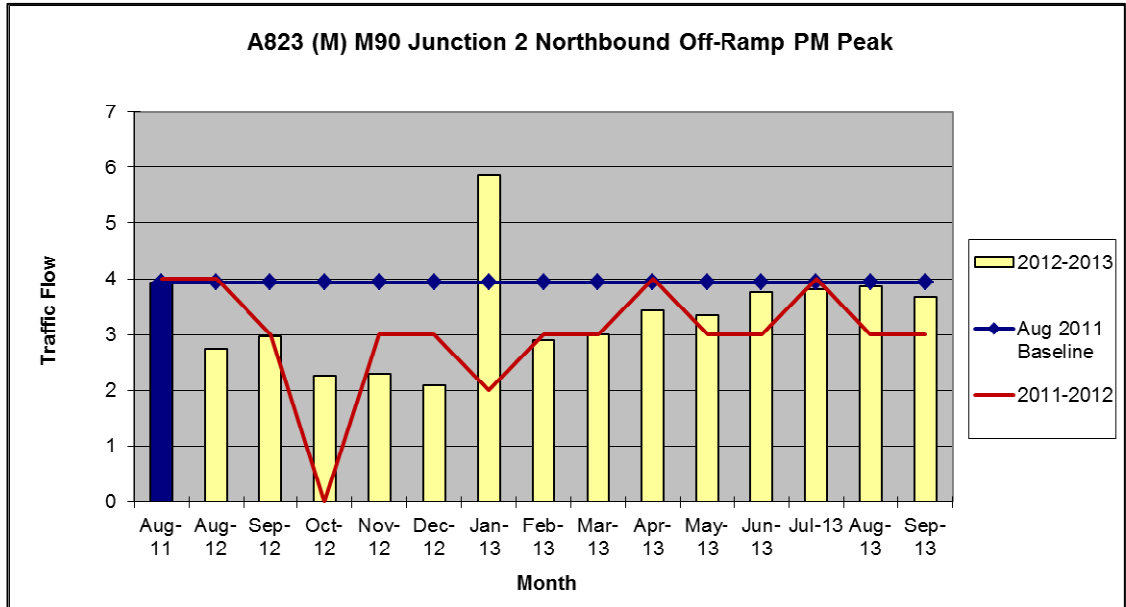


Figure 3-68 Monthly PM Peak HGVS on the A823 (M) M90 Junction 2 Northbound Off-Ramp

### 3.8.7 Monthly Average All Vehicles Traffic Speeds

Table 3-46 Site: JTC05479 Average Monthly Traffic Speeds (KPH) (All Vehicles) – August 2012 to September 2013

Counter	Location	Date	NB
JTC05479	A823 (M) M90 Junction 2 Northbound Off-Ramp	Aug-12	89
		Sep-12	89
		Oct-12	88
		Nov-12	88
		Dec-12	87
		Jan-13	86
		Feb-13	89
		Mar-13	89
		Apr-13	91
		May-13	92
		Jun-13	91
		Jul-13	91
		Aug-13	91
Sep-13	92		

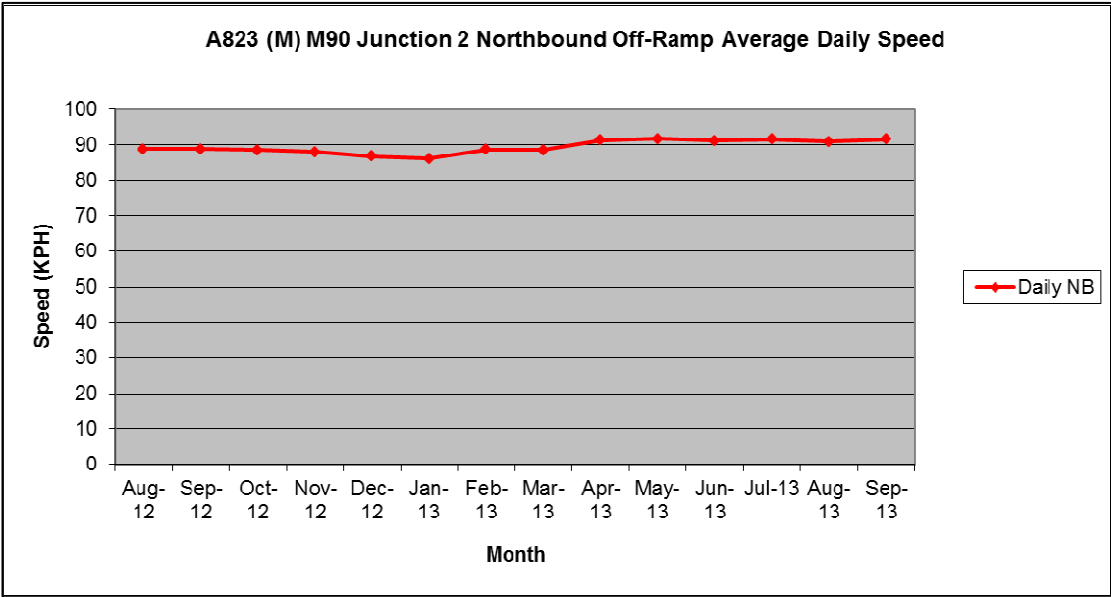


Figure 3-69 Average Monthly Traffic Speeds (KPH) on the A823 (M) M90 Junction 2 Northbound Off-Ramp

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

Summary of statistics between August 2012 and September 2013:

- Flow groups were indicative of seasonal variation, with lower flows in December 2012 and January 2013, and higher flows over the summer months.
- Traffic volumes in the AADT and PM flows groups slightly increased in August 2013 compared to August 2012 and August 2011

#### 3.9.1 Monthly Average Traffic Flows

**Table 3-47 Site: NTCPF019 Annual Traffic Flows – August 2012 to September 2013**

Counter	Location	Date	EB	WB	Two Way
NTCPF019	M8 West of A720 Junction (Hermiston Gait)	Aug-11	33,733	33,410	67,144
		Aug-12	33,464	33,102	66,566
		Sep-12	31,920	31,771	63,691
		Oct-12	32,148	32,193	64,341
		Nov-12	31,311	31,366	62,676
		Dec-12	27,250	27,034	54,284
		Jan-13	27,139	27,285	54,424
		Feb-13	31,626	31,724	63,350
		Mar-13	30,888	30,841	61,729
		Apr-13	32,496	32,398	64,894
		May-13	33,002	32,915	65,918
		Jun-13	32,489	32,190	64,680
		Jul-13	32,245	32,158	64,403
		Aug-13	34,394	34,110	68,503
		Sep-13	33,055	32,881	65,936
	<b>Annual Average</b>	<b>31,332</b>	<b>31,248</b>	<b>62,580</b>	



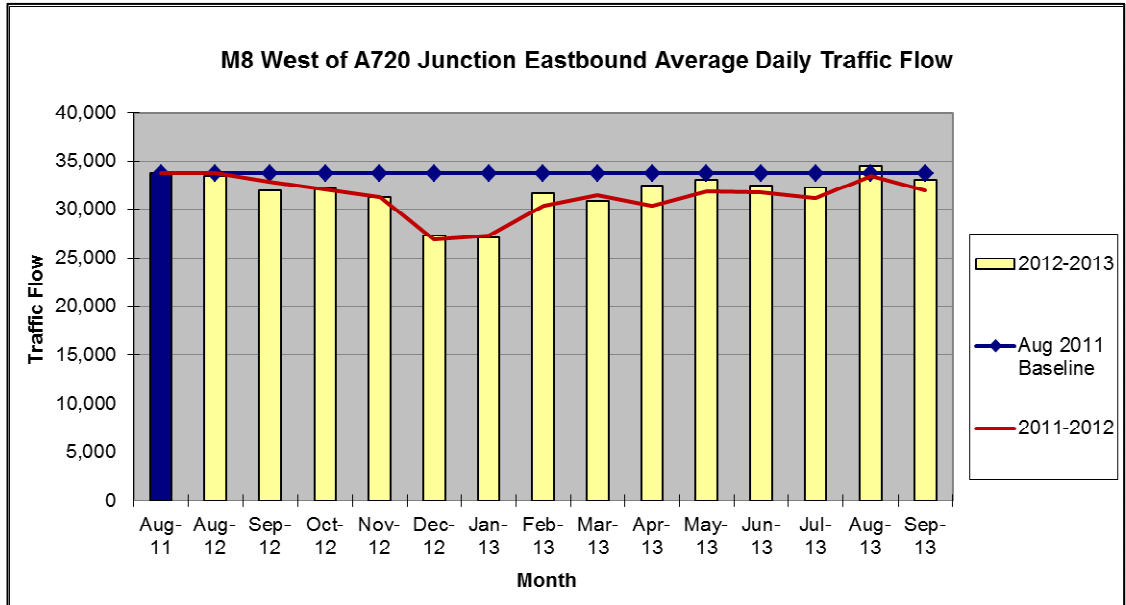


Figure 3-70 Monthly Eastbound AADTs on the M8 West of A720 Junction (Hermiston Gait)

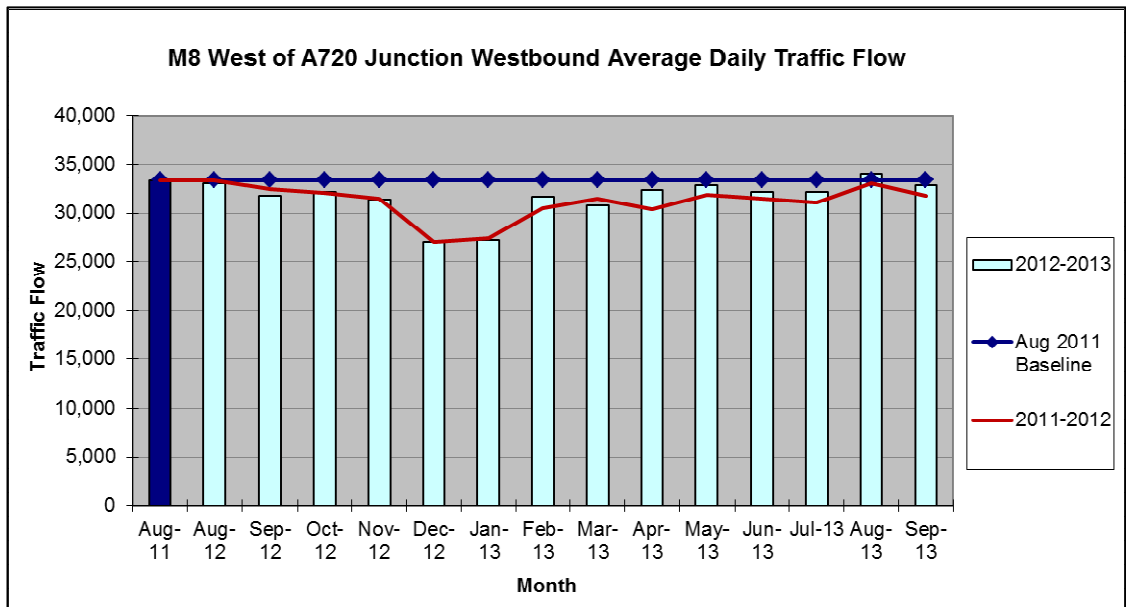


Figure 3-71 Monthly Westbound AADTs on the M8 West of A720 Junction (Hermiston Gait)

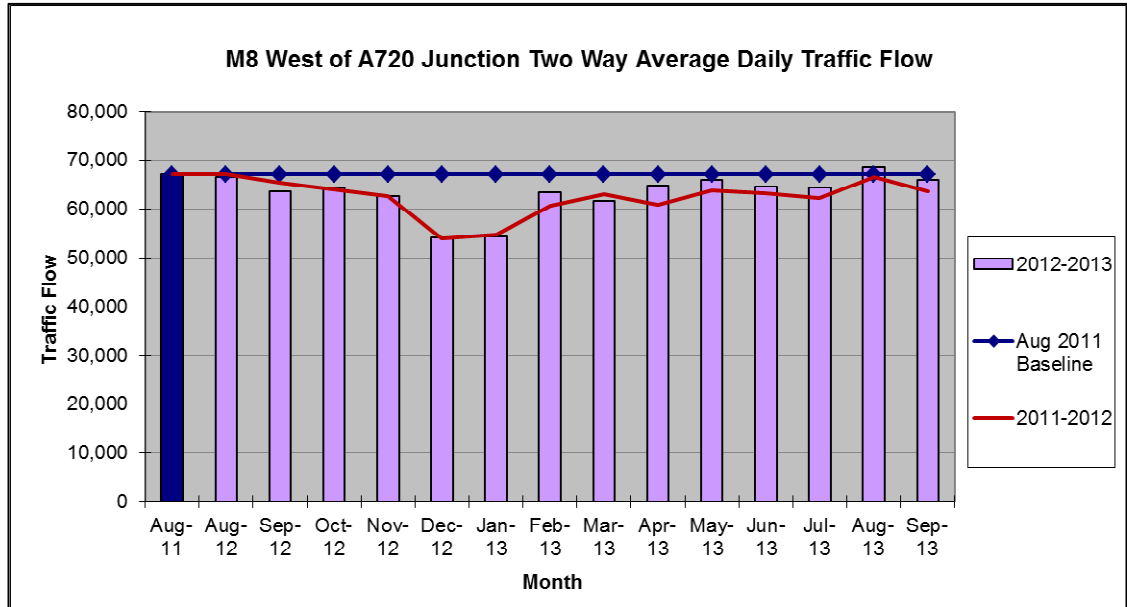


Figure 3-72 Monthly Two Way Daily Traffic Flows on the M8 West of A720 Junction (Hermiston Gait)

### 3.9.2 Monthly Average AM Peak Traffic Flows

Table 3-48 Site: NTCPF019 AM Peak Traffic Flows – August 2012 to September 2013

Counter	Location	Date	EB	WB	Two Way
NTCPF019	M8 West of A720 Junction (Hermiston Gait)	Aug-11	8,116	5,412	13,528
		Aug-12	8,041	5,332	13,373
		Sep-12	7,689	5,158	12,847
		Oct-12	8,066	5,334	13,400
		Nov-12	7,953	5,265	13,218
		Dec-12	6,052	4,144	10,196
		Jan-13	6,934	4,540	11,474
		Feb-13	8,057	5,361	13,419
		Mar-13	7,502	5,071	12,573
		Apr-13	7,961	5,371	13,332
		May-13	8,106	5,505	13,611
		Jun-13	7,609	5,300	12,909
		Jul-13	7,751	5,113	12,864
		Aug-13	7,987	5,315	13,303
		Sep-13	7,940	5,329	13,269
	<b>Annual Average</b>	<b>7,643</b>	<b>5,124</b>	<b>12,768</b>	

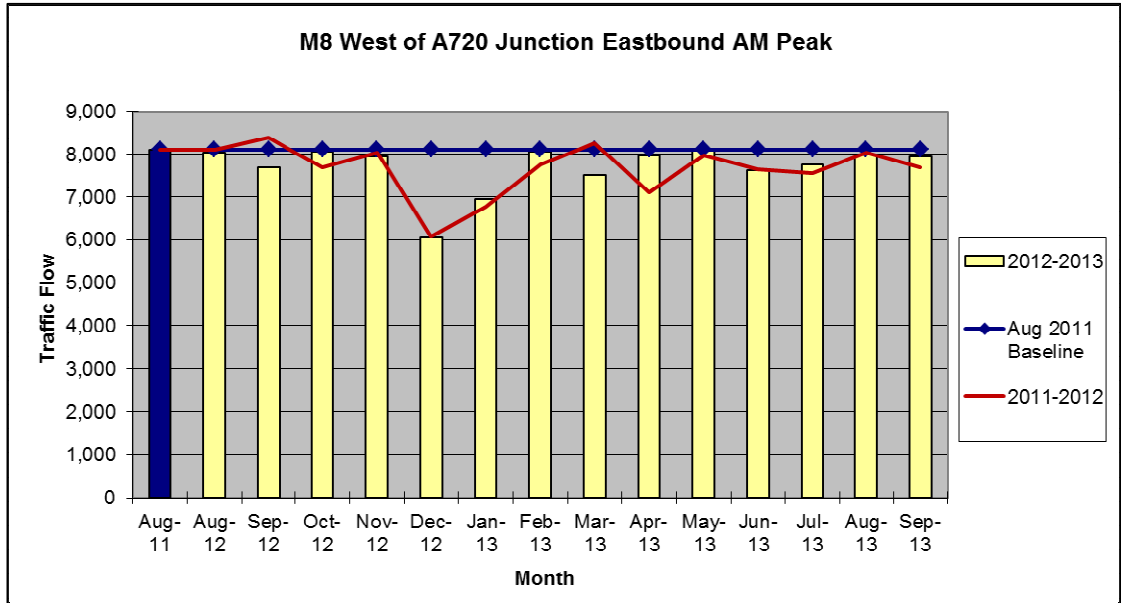


Figure 3-73 Monthly Eastbound AM Peak Flows on the M8 West of A720 Junction (Hermiston Gait)

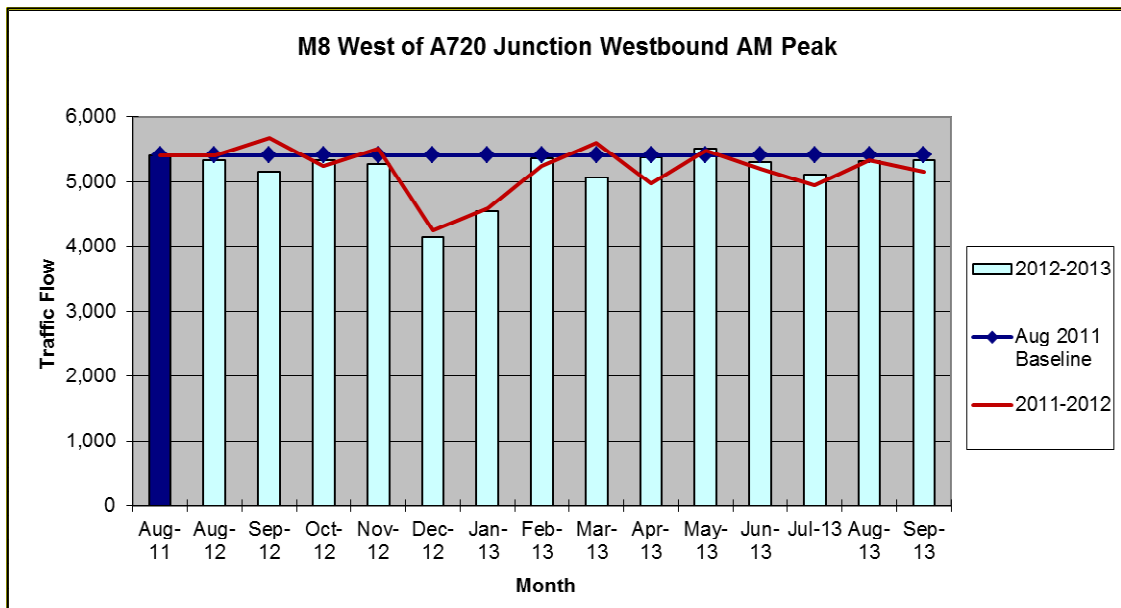


Figure 3-74 Monthly Westbound AM Peak Flows on the M8 West of A720 Junction (Hermiston Gait)

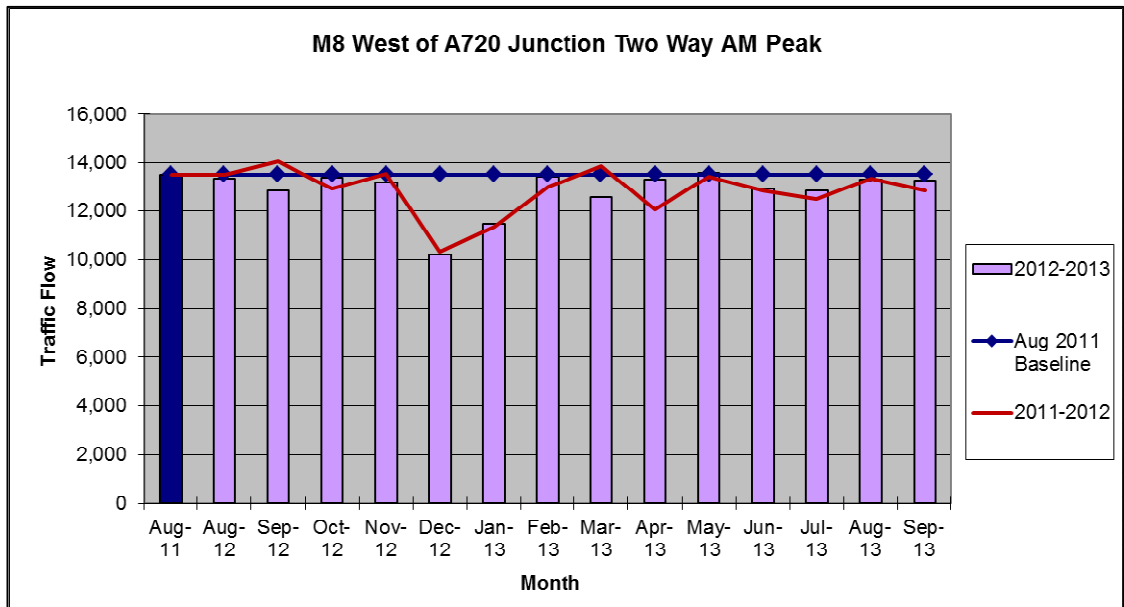


Figure 3-75 Monthly Two Way AM Peak Flows on the M8 West of A720 Junction (Hermiston Gait)

### 3.9.3 Monthly Average PM Peak Traffic Flows

Table 3-49 Site: NTCPF019 PM Peak Traffic Flows – August 2012 to September 2013

Counter	Location	Date	EB	WB	Two Way
NTCPF019	M8 West of A720 Junction (Hermiston Gait)	Aug-11	6,357	8,929	15,286
		Aug-12	6,361	8,724	15,085
		Sep-12	6,091	8,540	14,631
		Oct-12	6,092	8,669	14,761
		Nov-12	5,639	8,214	13,853
		Dec-12	4,907	6,572	11,479
		Jan-13	5,058	7,253	12,311
		Feb-13	5,863	8,450	14,313
		Mar-13	5,841	7,881	13,722
		Apr-13	6,215	8,590	14,805
		May-13	6,194	8,581	14,776
		Jun-13	6,090	8,277	14,367
		Jul-13	5,929	8,457	14,386
		Aug-13	6,529	8,875	15,404
		Sep-13	6,180	8,664	14,845
		<b>Annual Average</b>	<b>5,857</b>	<b>8,184</b>	<b>14,041</b>

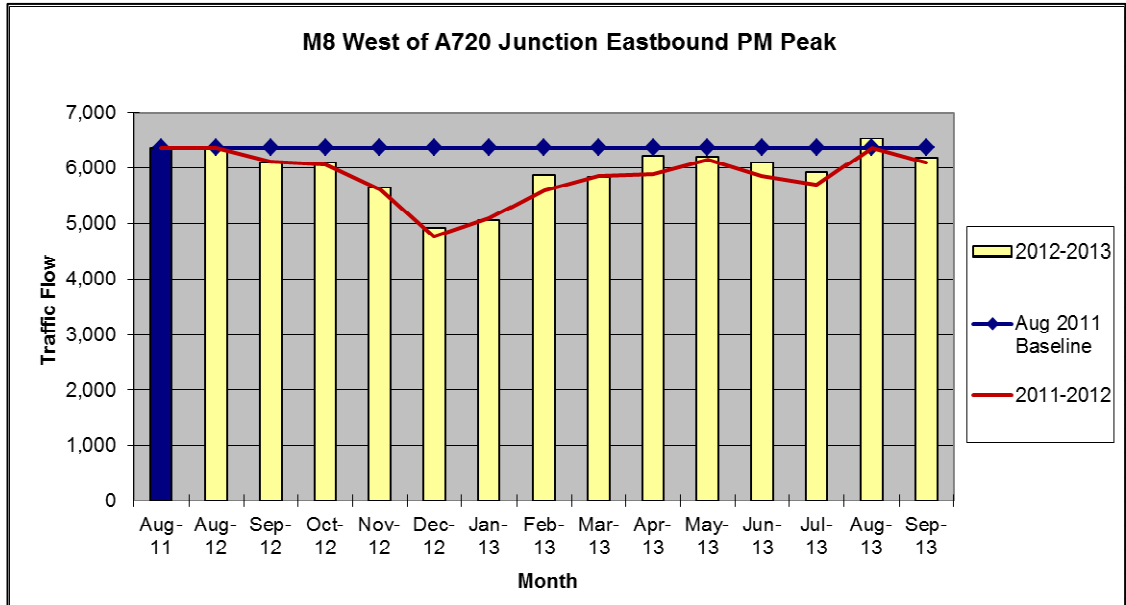


Figure 3-76 Monthly Eastbound PM Peak Flows on the M8 West of A720 Junction (Hermiston Gait)

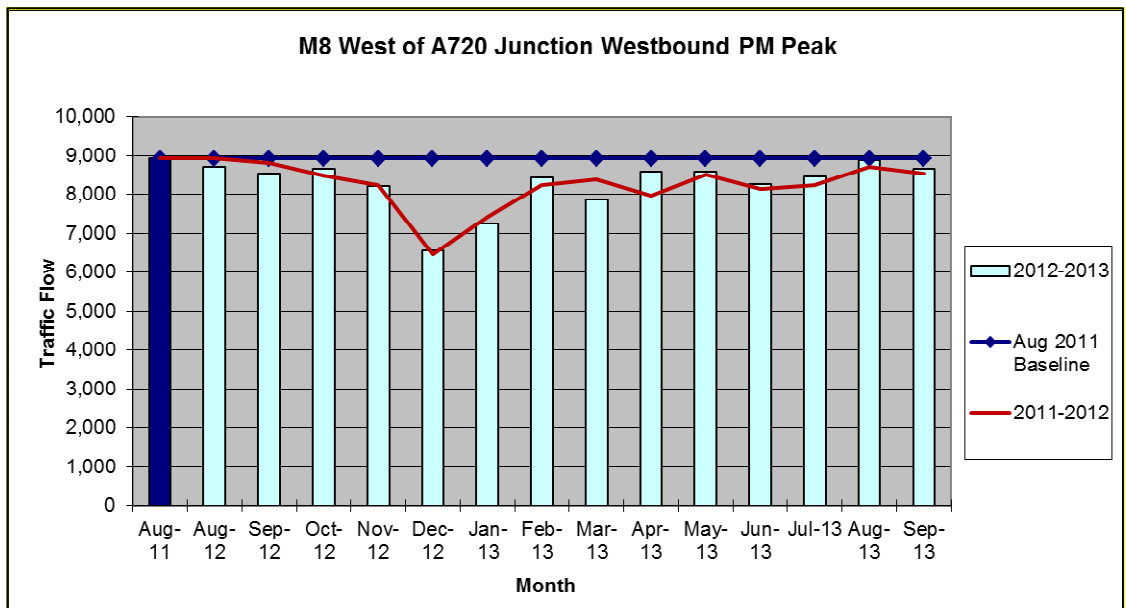


Figure 3-77 Monthly Westbound PM Peak Flows on the M8 West of A720 Junction (Hermiston Gait)

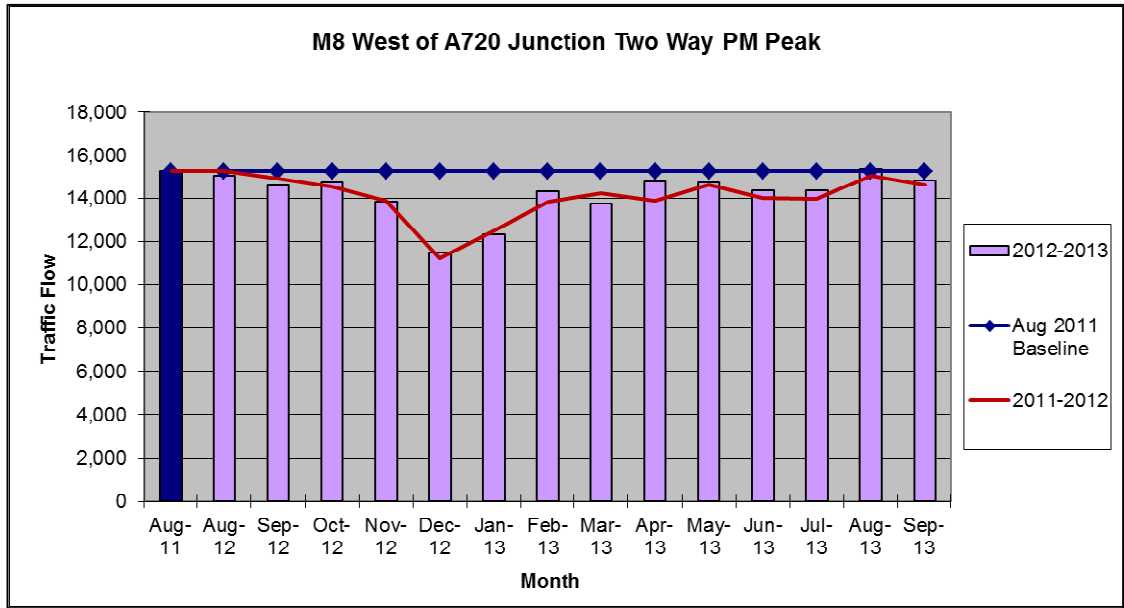


Figure 3-78 Monthly Two Way PM Peak Flows on the M8 West of A720 Junction (Hermiston Gait)

### 3.9.4 Monthly Average HGV Flows

Table 3-50 Site: NTCPF019 Annual HGV Traffic Flows – August 2012 to September 2013

Counter	Location	Date	EB	WB	Two Way
NTCPF019	M8 West of A720 Junction (Hermiston Gait)	Aug-11	1,764	1,615	3,380
		Aug-12	1,802	1,630	3,433
		Sep-12	1,731	1,581	3,312
		Oct-12	1,762	1,605	3,367
		Nov-12	1,695	1,522	3,218
		Dec-12	1,725	1,552	3,277
		Jan-13	1,457	1,337	2,794
		Feb-13	1,664	1,491	3,156
		Mar-13	1,684	1,524	3,208
		Apr-13	1,732	1,575	3,308
		May-13	1,780	1,625	3,405
		Jun-13	1,727	1,582	3,310
		Jul-13	1,792	1,631	3,424
		Aug-13	1,813	1,646	3,459
Sep-13	1,771	1,597	3,368		
<b>Annual Average</b>			<b>1,713</b>	<b>1,555</b>	<b>3,267</b>

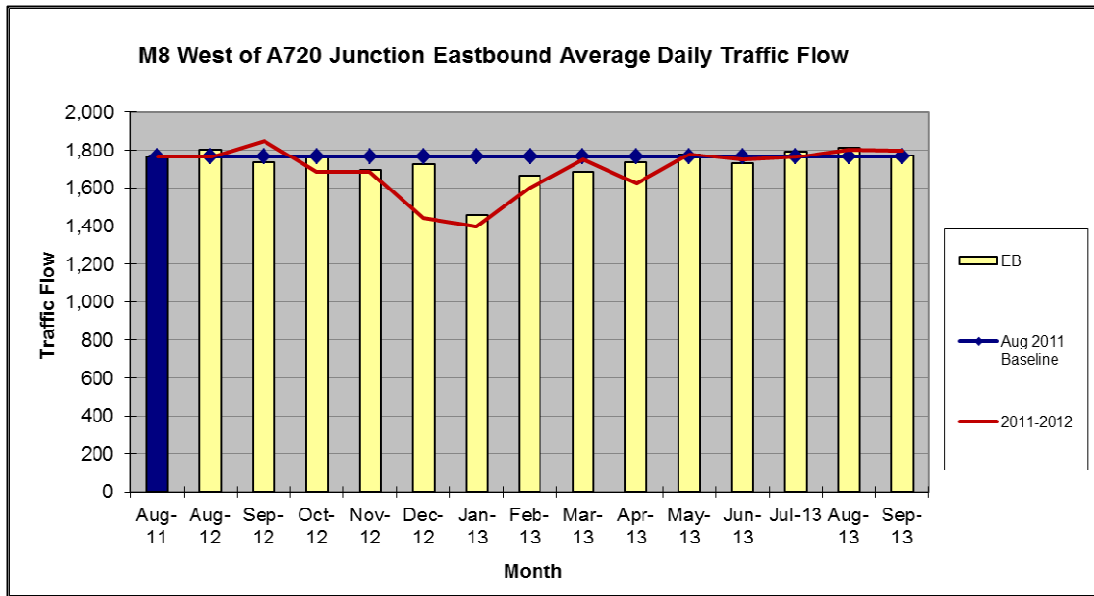


Figure 3-79 Monthly Eastbound HGV Traffic Flows on the M8 West of A720 Junction (Hermiston Gait)

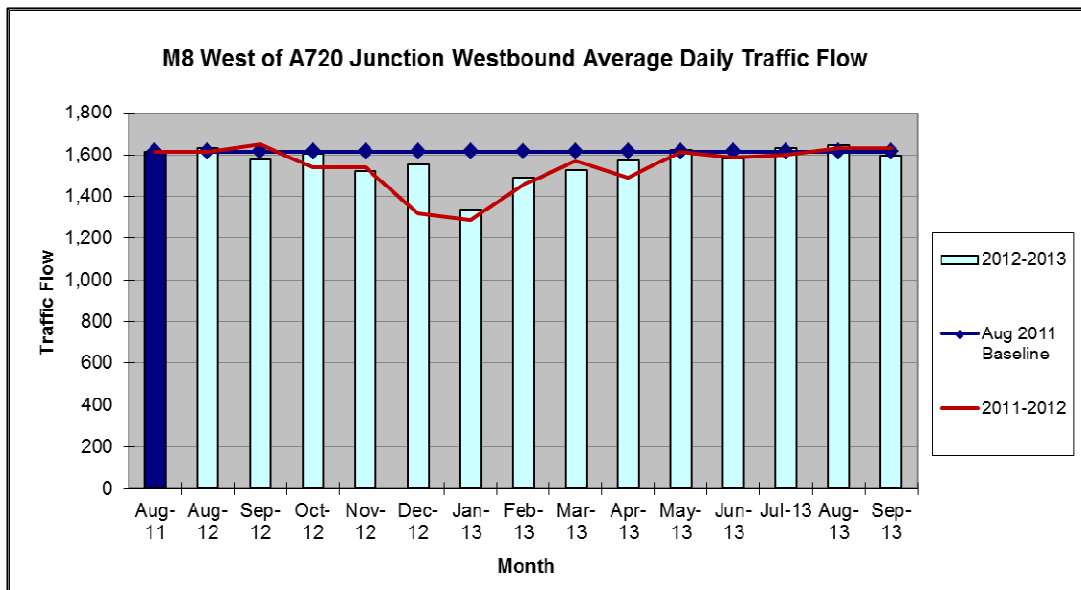


Figure 3-80 Monthly Westbound HGV Traffic Flows on the M8 West of A720 Junction (Hermiston Gait)

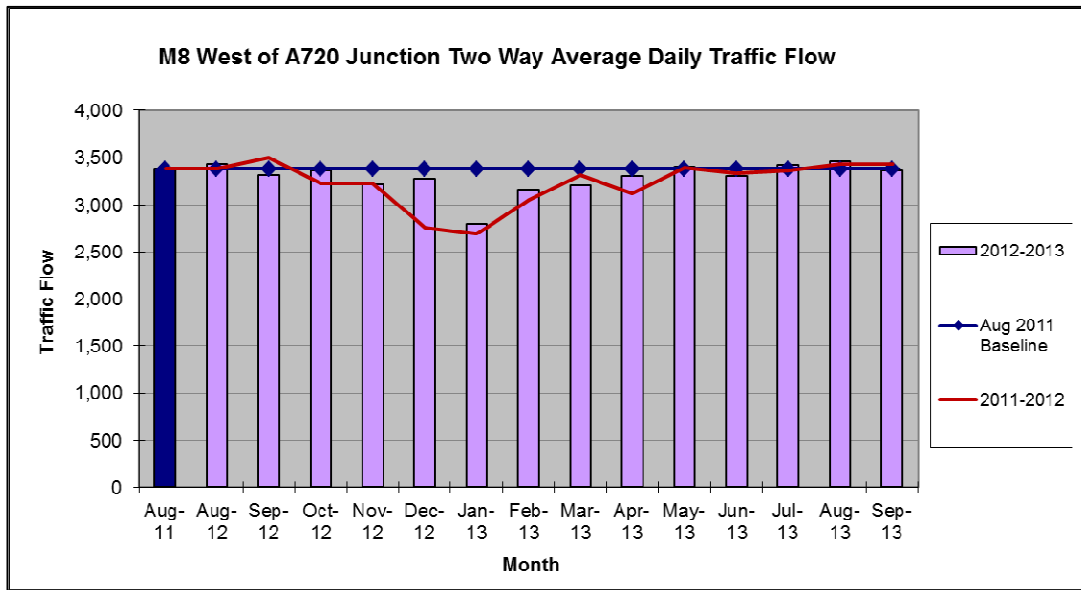


Figure 3-81 Monthly Two Way HGV Traffic Flows on the M8 West of A720 Junction (Hermiston Gait)

### 3.9.5 Monthly Average AM Peak HGV Flows

Table 3-51 Site: NTCPF019 AM Peak HGV Traffic Flows – August 2012 to September 2013

Counter	Location	Date	EB	WB	Two Way
NTCPF019	M8 West of A720 Junction (Hermiston Gait)	Aug-11	365	325	690
		Aug-12	371	331	702
		Sep-12	348	316	664
		Oct-12	355	316	670
		Nov-12	332	293	625
		Dec-12	330	296	626
		Jan-13	287	258	545
		Feb-13	338	301	640
		Mar-13	331	302	633
		Apr-13	357	327	684
		May-13	359	338	697
		Jun-13	352	327	679
		Jul-13	369	341	710
		Aug-13	373	335	708
		Sep-13	360	324	685
<b>Annual Average</b>			<b>344</b>	<b>312</b>	<b>656</b>



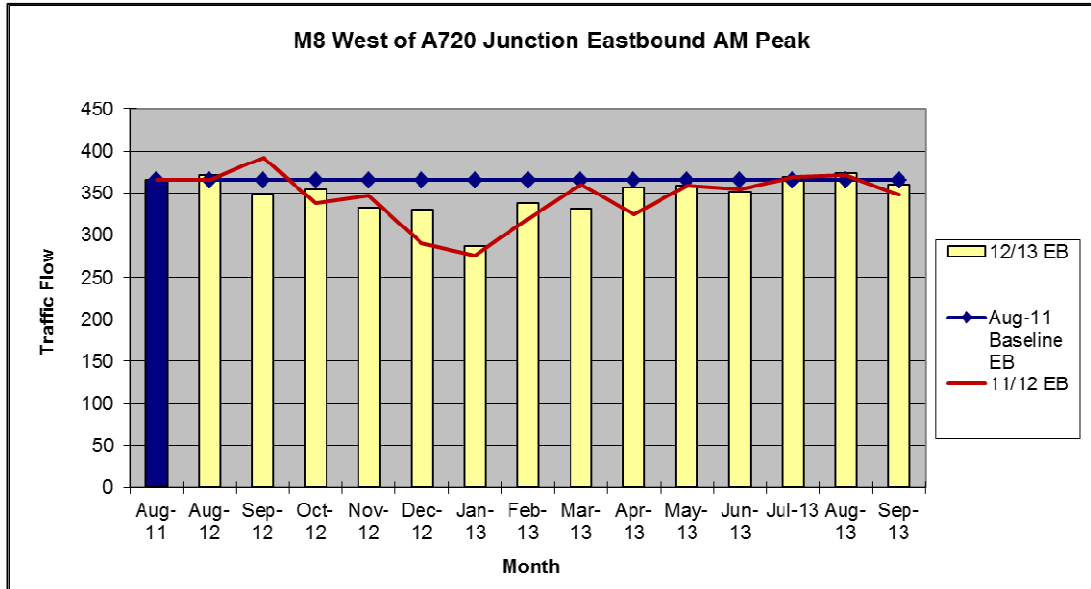


Figure 3-82 Monthly Eastbound AM Peak HGV Flows on the M8 West of A720 Junction (Hermiston Gait)

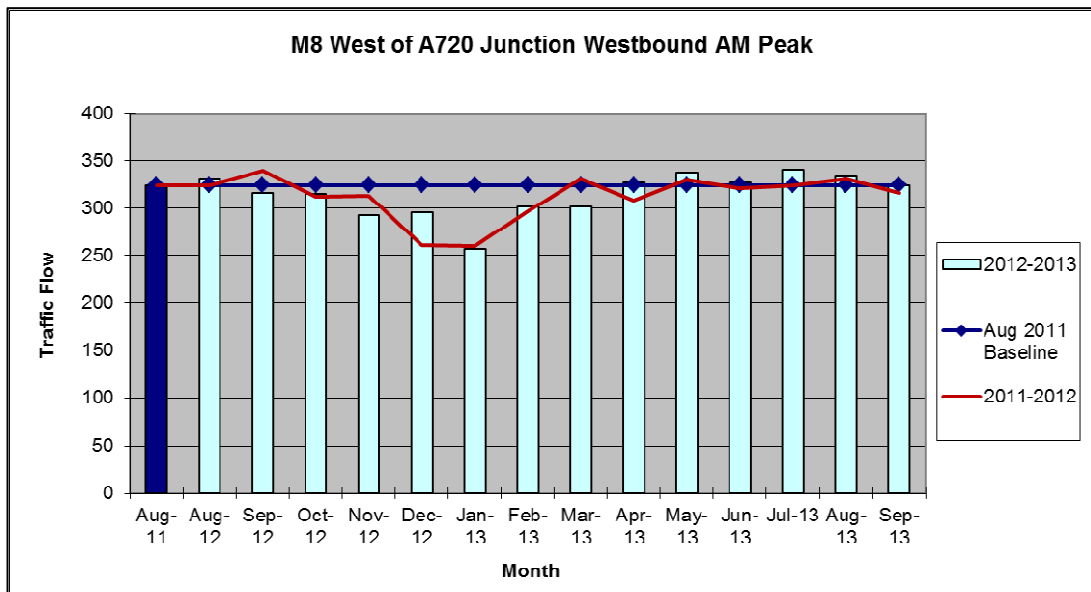


Figure 3-83 Monthly Westbound AM Peak HGV Flows on the M8 West of A720 Junction (Hermiston Gait)

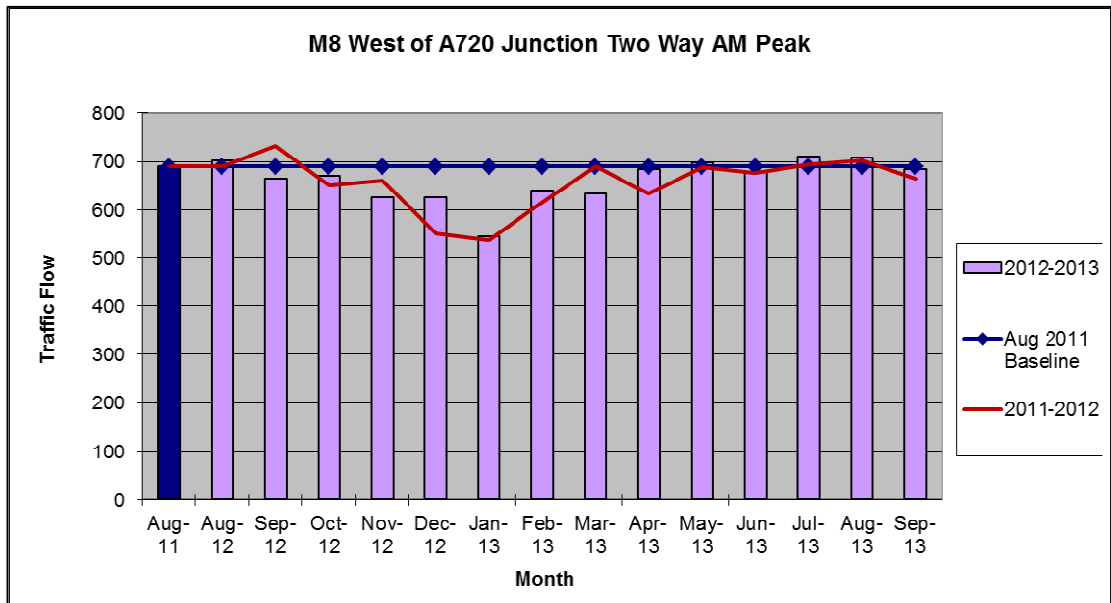


Figure 3-84 Monthly Two way AM Peak HGV Flows on the M8 West of A720 Junction (Hermiston Gait)

### 3.9.6 Monthly Average PM Peak HGV Flows

Table 3-52 Site: NTCPF019 PM Peak HGV Traffic Flows – August 2012 to September 2013

Counter	Location	Date	EB	WB	Two Way
NTCPF019	M8 West of A720 Junction (Hermiston Gait)	Aug-11	204	216	420
		Aug-12	209	214	423
		Sep-12	202	216	419
		Oct-12	199	208	407
		Nov-12	183	183	367
		Dec-12	191	196	386
		Jan-13	154	158	313
		Feb-13	182	183	365
		Mar-13	187	194	381
		Apr-13	199	196	395
		May-13	208	205	413
		Jun-13	197	204	401
		Jul-13	210	217	428
		Aug-13	212	219	431
Sep-13	205	214	419		
<b>Annual Average</b>			<b>193</b>	<b>198</b>	<b>391</b>

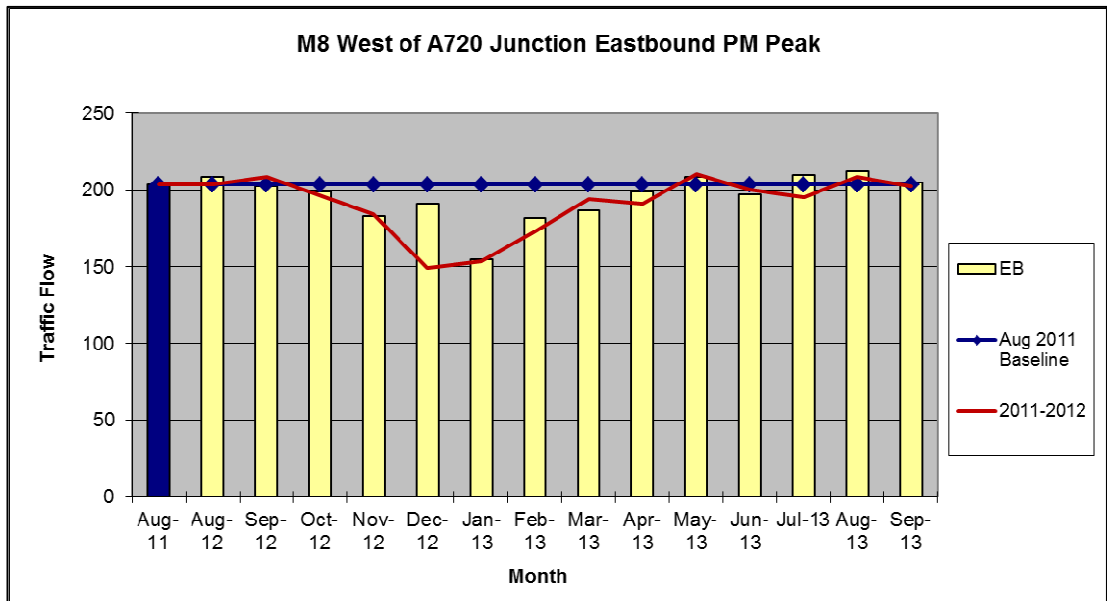


Figure 3-85 Monthly Eastbound PM Peak HGV Flows on the M8 West of A720 Junction (Hermiston Gait)

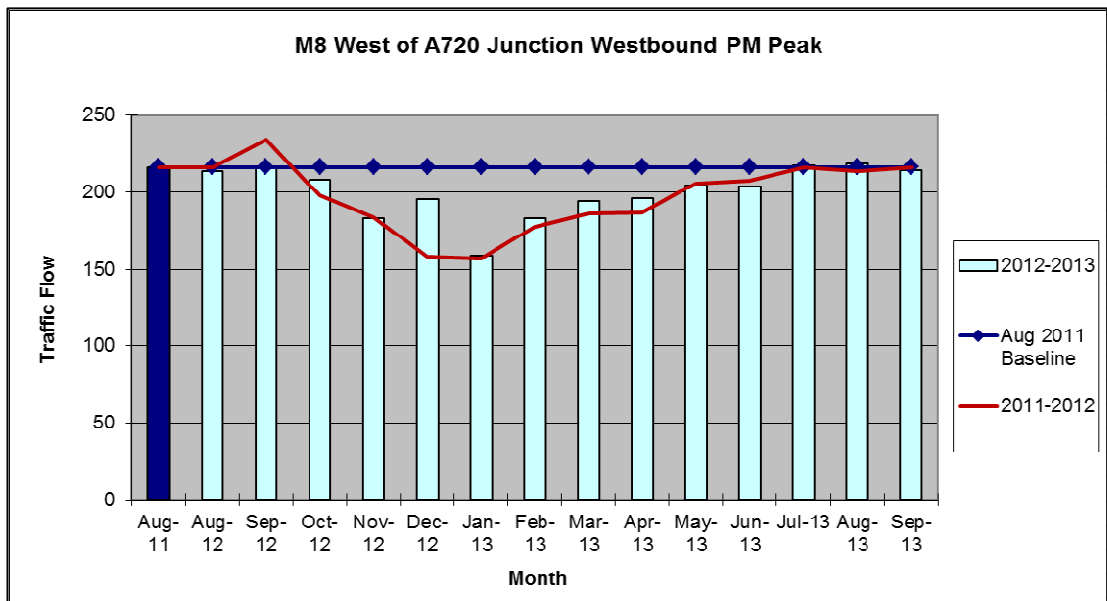


Figure 3-86 Monthly Westbound PM Peak HGV Flows on the M8 West of A720 Junction (Hermiston Gait)

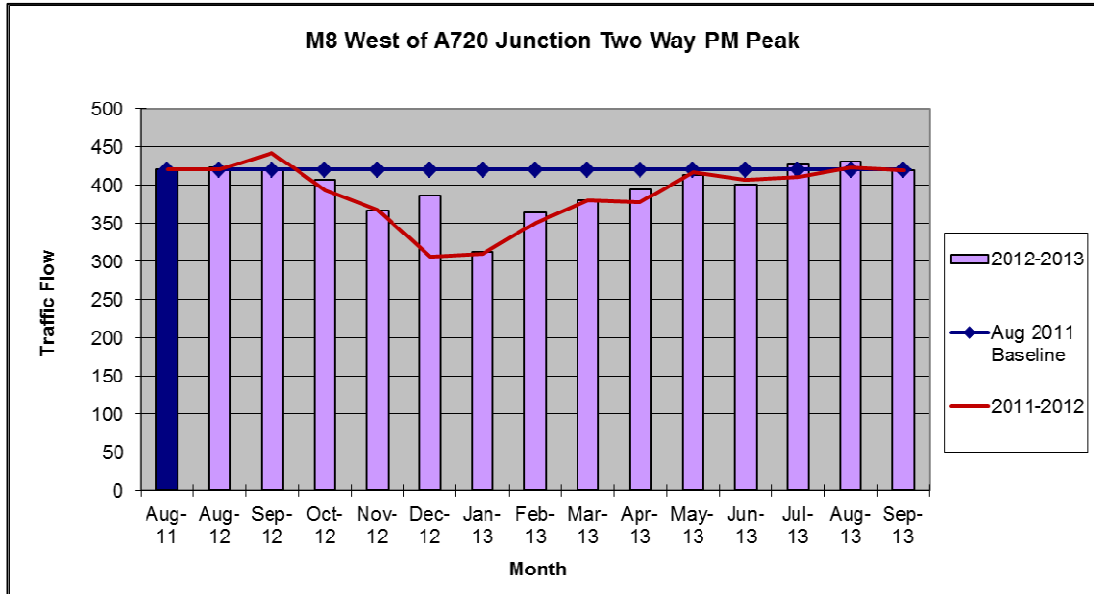


Figure 3-87 Monthly Two Way PM Peak HGV Flows on the M8 West of A720 Junction (Hermiston Gait)

### 3.9.7 Monthly Average All Vehicles Traffic Speeds

Table 3-53 Site: NTCPF019 Average Monthly Traffic Speeds (KPH) (All Vehicles) – August 2012 to September 2013

Counter	Location	Date	EB	WB
NTCPF019	M8 West of A720 Junction (Hermiston Gait)	Aug-12	99	101
		Sep-12	100	99
		Oct-12	98	99
		Nov-12	97	98
		Dec-12	99	99
		Jan-13	99	99
		Feb-13	99	99
		Mar-13	97	99
		Apr-13	101	100
		May-13	99	101
		Jun-13	101	102
		Jul-13	101	102
		Aug-13	99	101
Sep-13	99	100		

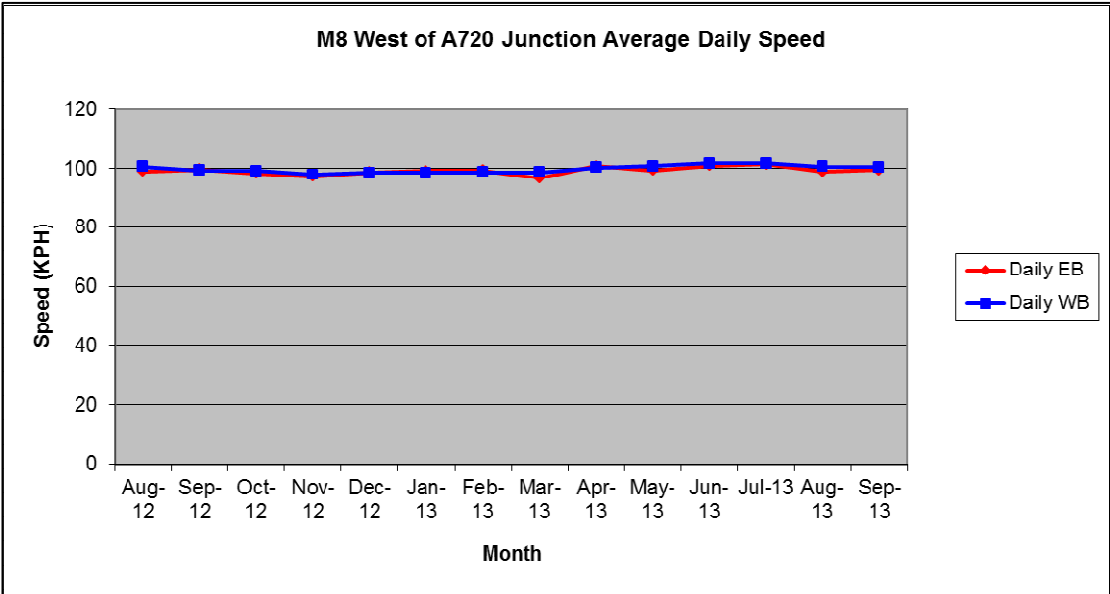


Figure 3-88 Average Monthly Traffic Speeds (KPH) on the M8 West of A720 Junction (Hermiston Gait)

# 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 2012 to September 2013

Counter	Location	Date	EB	WB	Two Way
JTC00318	A985 Rosyth (Admiralty Road West)	Aug-11	No Data	No Data	No Data
		Aug-12	6,756	6,768	13,525
		Sep-12	6,454	6,528	12,981
		Oct-12	6,324	6,432	12,755
		Nov-12	6,494	6,531	13,025
		Dec-12	5,653	5,678	11,331
		Jan-13	5,681	5,750	11,432
		Feb-13	6,466	6,479	12,944
		Mar-13	6,283	6,429	12,712
		Apr-13	6,540	6,585	13,125
		May-13	6,587	6,587	13,174
		Jun-13	6,609	6,586	13,195
		Jul-13	6,545	6,554	13,098
		Aug-13	6,732	6,727	13,458
		Sep-13	6,615	6,548	13,163
	<b>Annual Average</b>		<b>6,366</b>	<b>6,409</b>	<b>12,775</b>

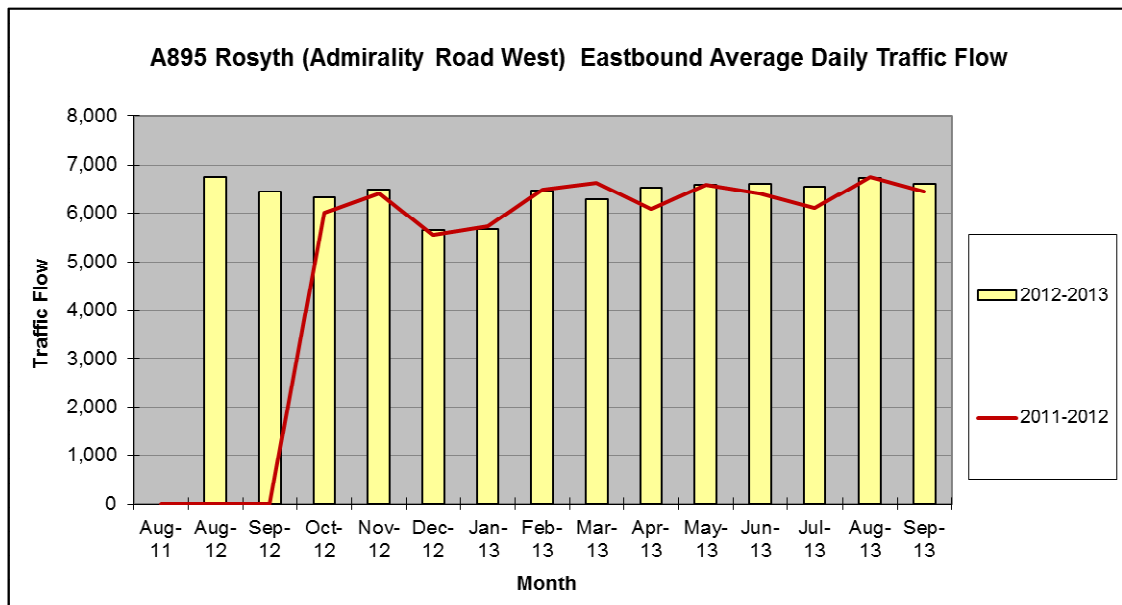


Figure 4-1 Monthly Eastbound AADTs on the A985 Rosyth (Admiralty Road West)

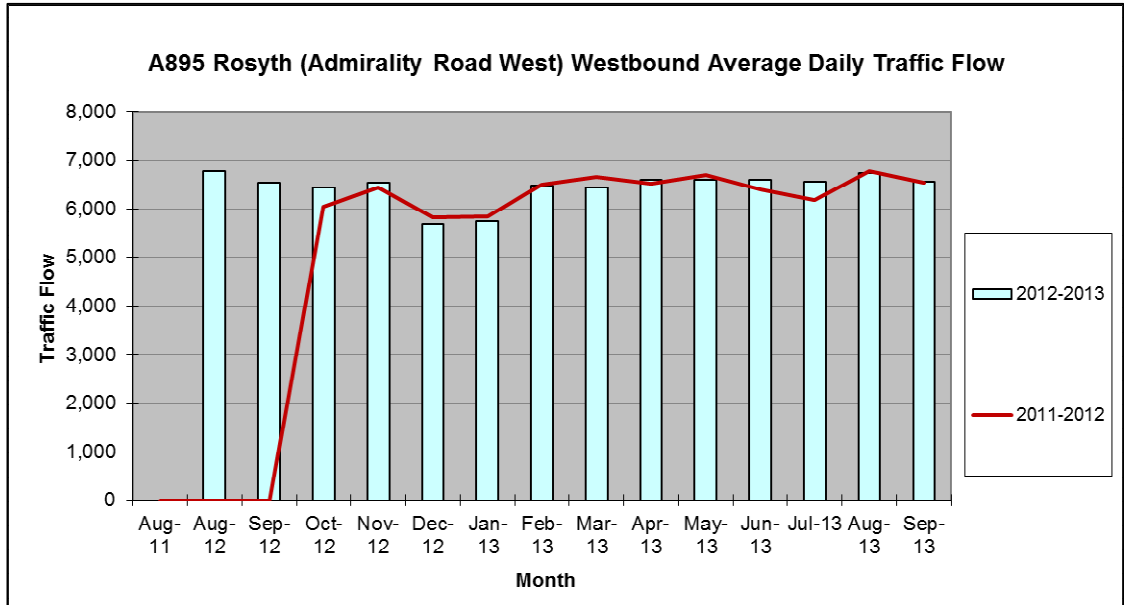


Figure 4-2 Monthly Westbound AADTs on the A985 Rosyth (Admiralty Road West)

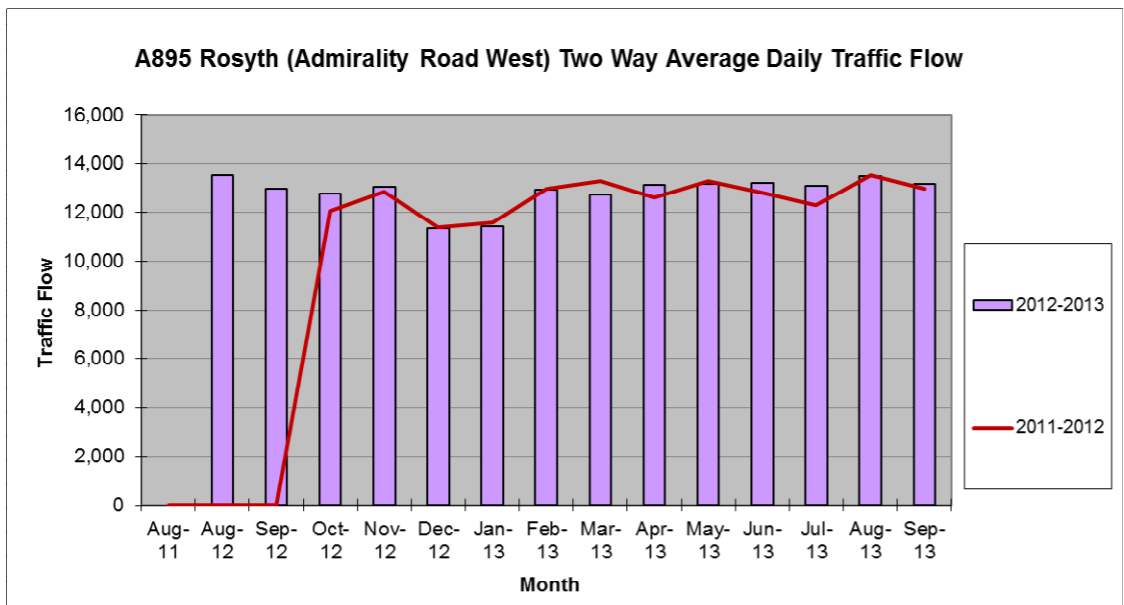


Figure 4-3 Monthly Two Way Daily Traffic Flows on the A985 Rosyth (Admiralty Road West)

### 4.1.2 Monthly Average AM Peak Traffic Flows

Table 4-2 Site: JTC00318 AM Peak Traffic Flows – August 2012 to September 2013

Counter	Location	Date	EB	WB	Two Way
JTC00318	A985 Rosyth (Admiralty Road West)	Aug-11	No Data	No Data	No Data
		Aug-12	1,303	1,159	2,463
		Sep-12	1,265	1,142	2,407
		Oct-12	1,268	1,154	2,423
		Nov-12	1,366	1,233	2,599
		Dec-12	1,031	900	1,932
		Jan-13	1,183	1,025	2,208
		Feb-13	1,336	1,157	2,492
		Mar-13	1,288	1,145	2,433
		Apr-13	1,283	1,123	2,406
		May-13	1,327	1,141	2,468
		Jun-13	1,258	1,126	2,384
		Jul-13	1,188	1,054	2,242
		Aug-13	1,291	1,143	2,434
		Sep-13	1,326	1,187	2,513
	<b>Annual Average</b>		<b>1,258</b>	<b>1,113</b>	<b>2,371</b>

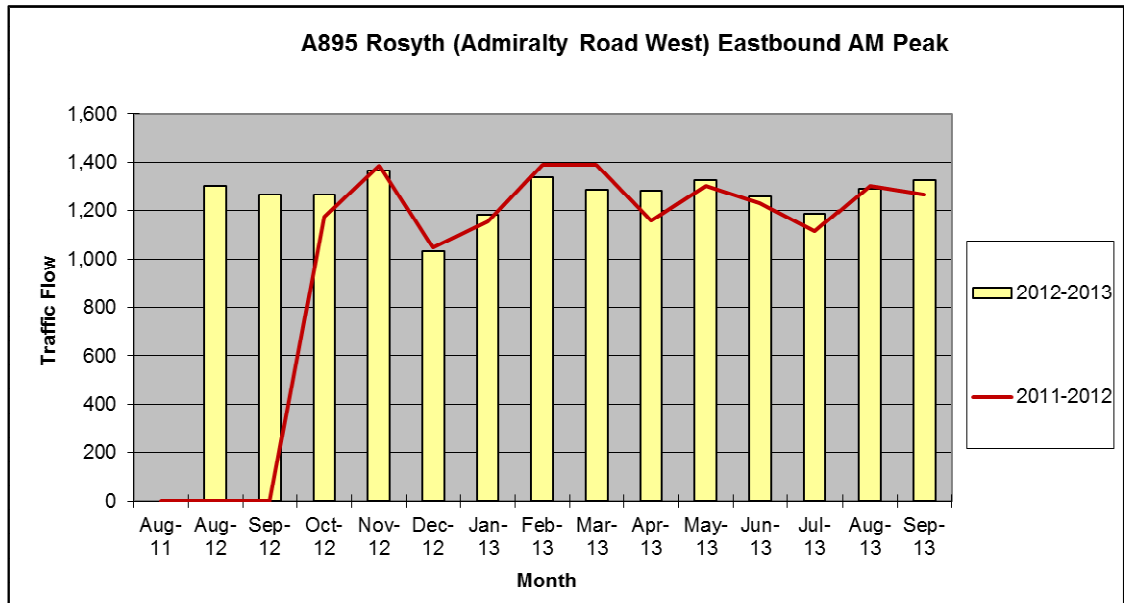


Figure 4-4 Monthly Eastbound AM Peak Flows on the A985 Rosyth (Admiralty Road West)



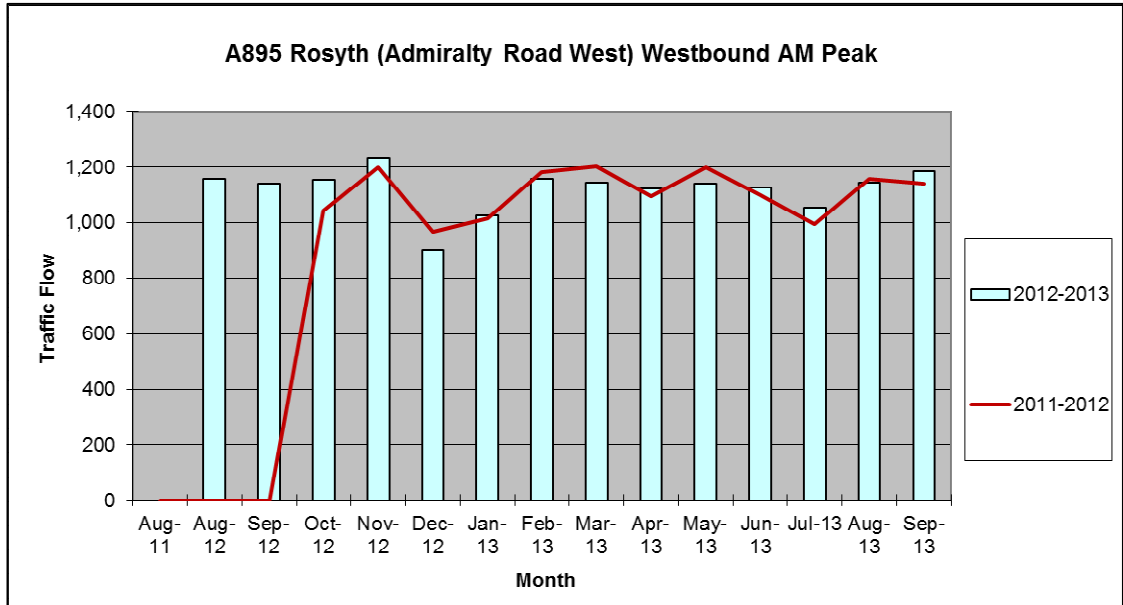


Figure 4-5 Monthly Westbound AM Peak Flows on the A985 Rosyth (Admiralty Road West)

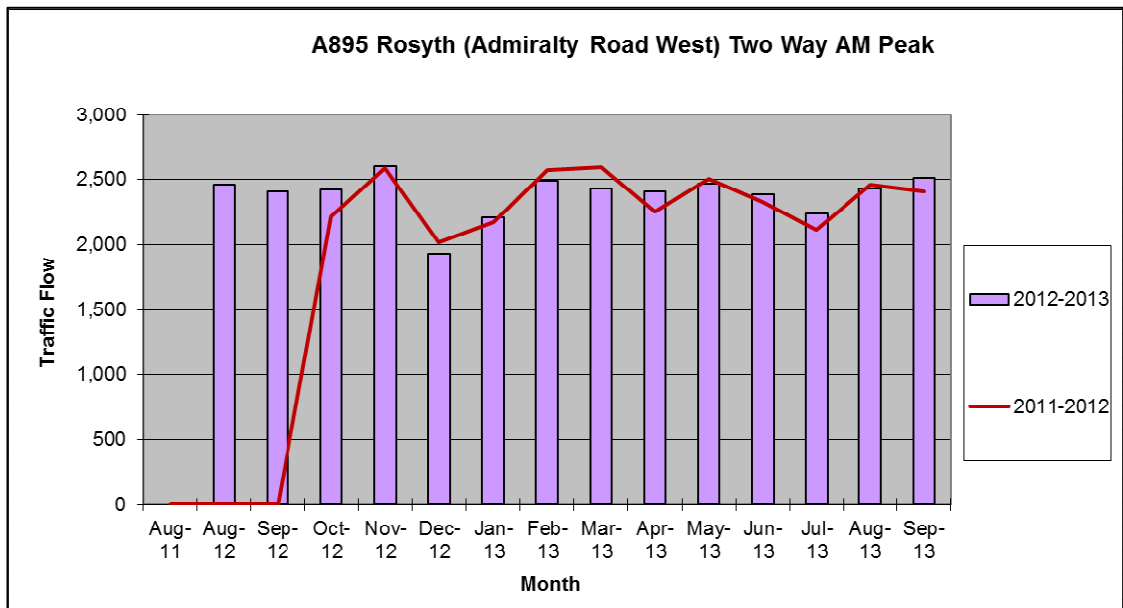


Figure 4-6 Monthly Two Way AM Peak Flows on the A985 Rosyth (Admiralty Road West)

### 4.1.3 Monthly Average PM Peak Traffic Flows

Table 4-3 Site: JTC00318 PM Peak Traffic Flows – August 2012 to September 2013

Counter	Location	Date	EB	WB	Two Way
JTC00318	A985 Rosyth (Admiralty Road West)	Aug-11	No Data	No Data	No Data
		Aug-12	1,554	1,634	3,188
		Sep-12	1,500	1,570	3,070
		Oct-12	308	1,539	1,847
		Nov-12	1,483	1,534	3,017
		Dec-12	1,211	1,294	2,505
		Jan-13	1,276	1,373	2,649
		Feb-13	1,474	1,543	3,017
		Mar-13	1,413	1,505	2,918
		Apr-13	1,515	1,581	3,096
		May-13	1,515	1,572	3,087
		Jun-13	1,520	1,576	3,096
		Jul-13	1,458	1,600	3,058
		Aug-13	1,563	1,606	3,169
		Sep-13	1,565	1,584	3,150
		<b>Annual Average</b>	<b>1,352</b>	<b>1,527</b>	<b>2,879</b>

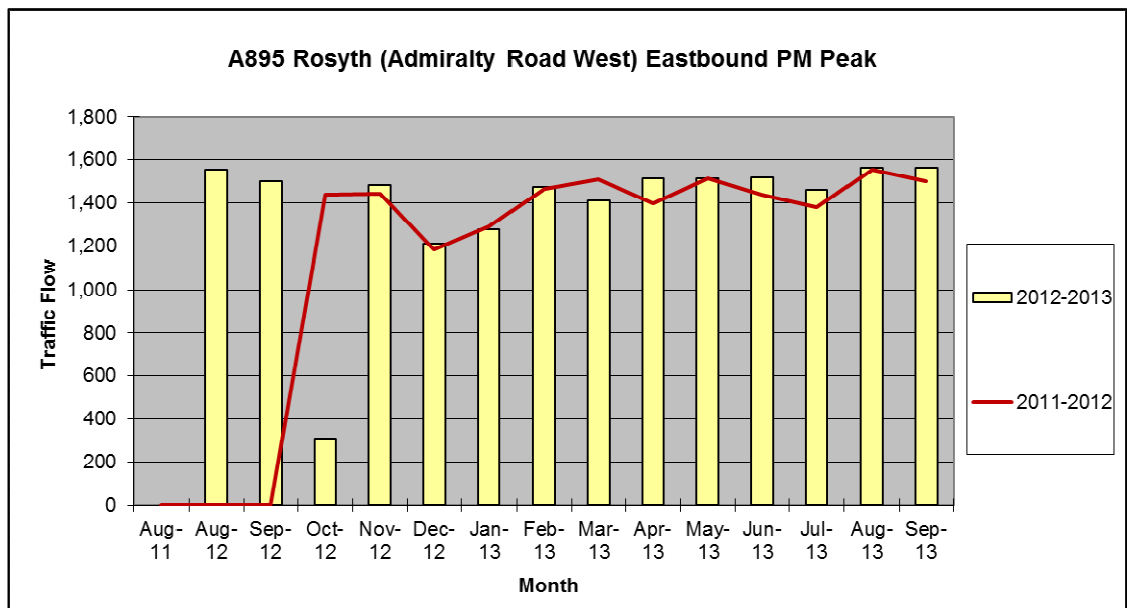


Figure 4-7 Monthly Eastbound PM Peak Flows on the A985 Rosyth (Admiralty Road West)

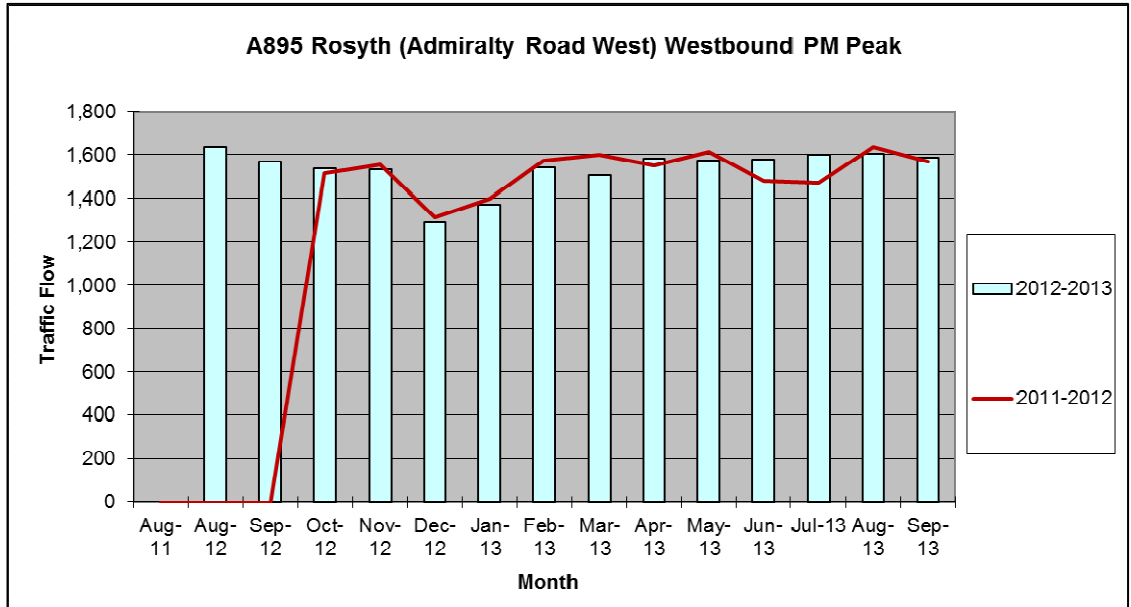


Figure 4-8 Monthly Westbound PM Peak Flows on the A985 Rosyth (Admiralty Road West)

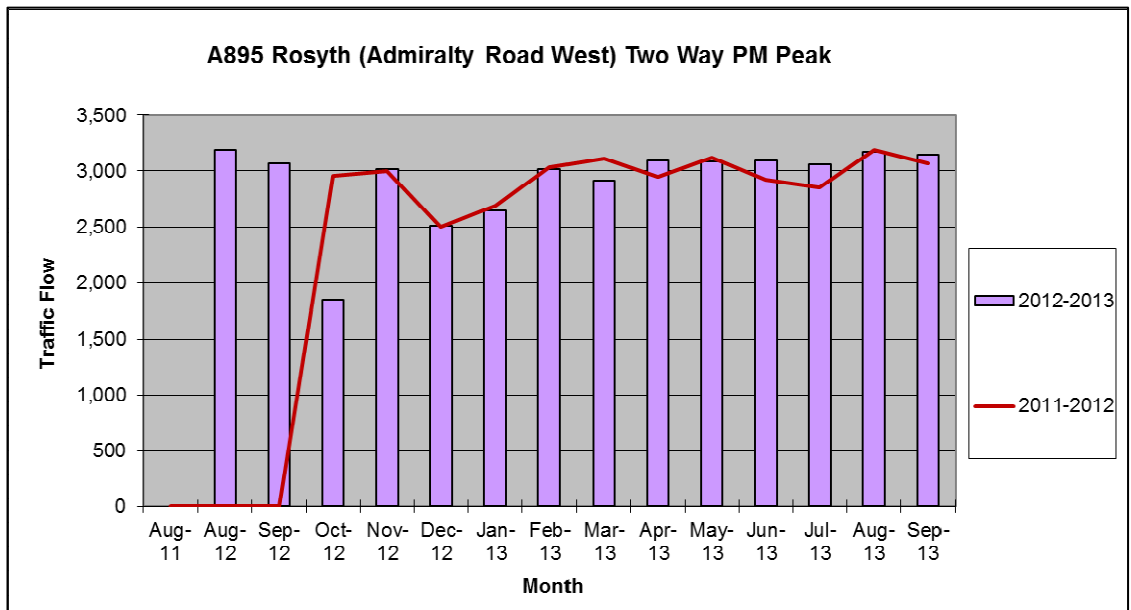


Figure 4-9 Monthly Two Way PM Peak Flows on the A985 Rosyth (Admiralty Road West)

#### 4.1.4 Monthly Average HGV Flows

Table 4-4 Site: JTC00318 Annual HGV Traffic Flows – August 2012 to September 2013

Counter	Location	Date	EB	WB	Two Way
JTC00318	A985 Rosyth (Admiralty Road West)	Aug-11	No Data	No Data	No Data
		Aug-12	194	181	375
		Sep-12	243	230	472
		Oct-12	204	187	392
		Nov-12	223	197	420
		Dec-12	157	148	305
		Jan-13	167	158	325
		Feb-13	214	187	401
		Mar-13	197	192	390
		Apr-13	216	205	421
		May-13	144	136	280
		Jun-13	138	128	266
		Jul-13	159	150	309
		Aug-13	142	137	279
		Sep-13	146	139	284
		<b>Annual Average</b>	<b>188</b>	<b>175</b>	<b>363</b>

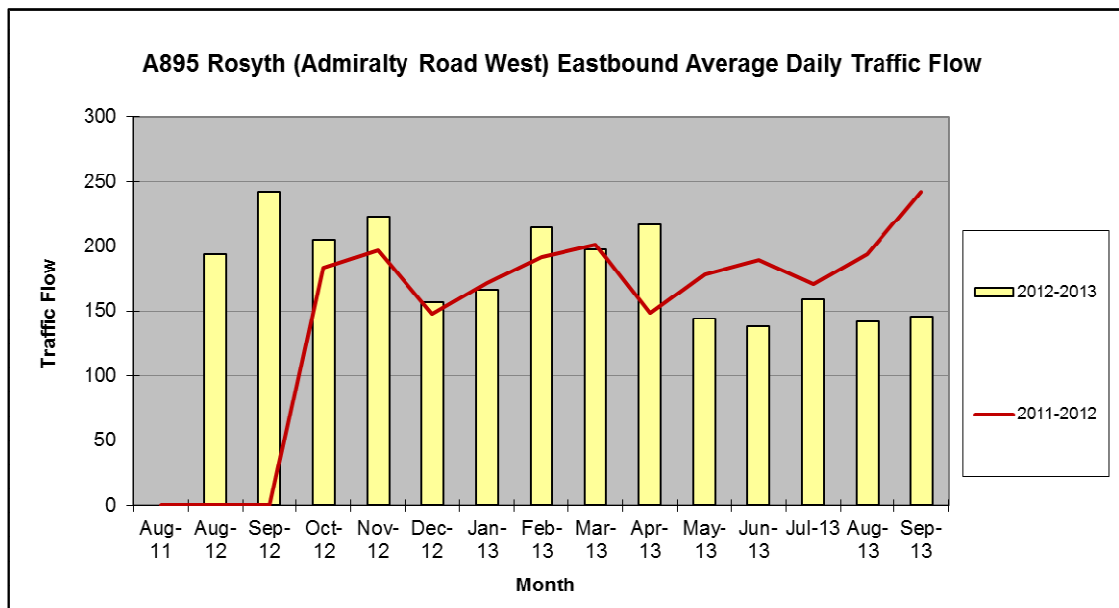


Figure 4-10 Monthly Eastbound HGV Flows on the A985 Rosyth (Admiralty Road West)

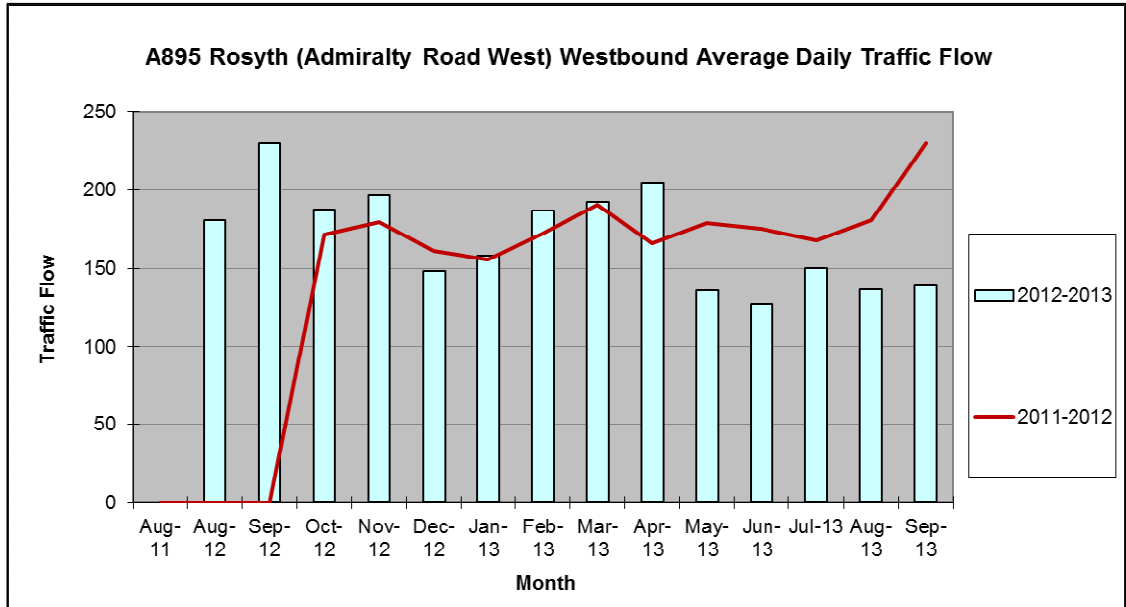


Figure 4-11 Monthly Westbound HGV Flows on the A985 Rosyth (Admiralty Road West)

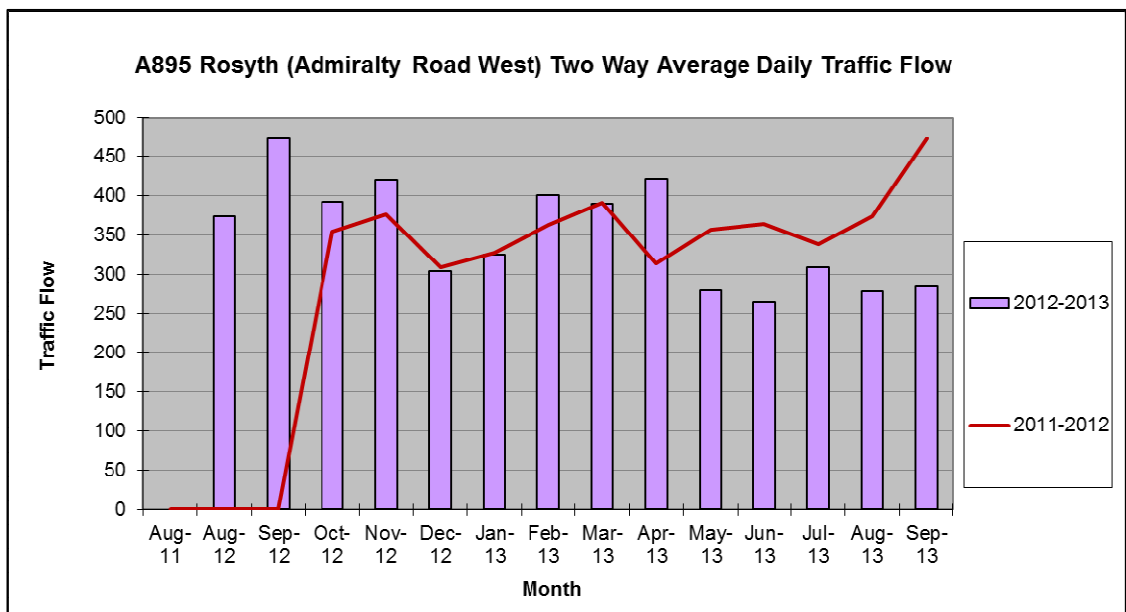


Figure 4-12 Monthly Two Way HGV Flows on the A985 Rosyth (Admiralty Road West)

### 4.1.5 Monthly Average AM Peak HGV Flows

Table 4-5 Site: JTC00318 AM Peak HGV Traffic Flows – August 2012 to September 2013

Counter	Location	Date	EB	WB	Two Way
JTC00318	A985 Rosyth (Admiralty Road West)	Aug-11	No Data	No Data	No Data
		Aug-12	49	52	101
		Sep-12	61	59	120
		Oct-12	53	50	103
		Nov-12	60	54	115
		Dec-12	40	39	79
		Jan-13	42	38	81
		Feb-13	53	48	101
		Mar-13	52	55	107
		Apr-13	53	53	106
		May-13	38	35	73
		Jun-13	37	32	69
		Jul-13	37	34	72
		Aug-13	35	34	69
		Sep-13	37	35	73
<b>Annual Average</b>			<b>48</b>	<b>46</b>	<b>94</b>

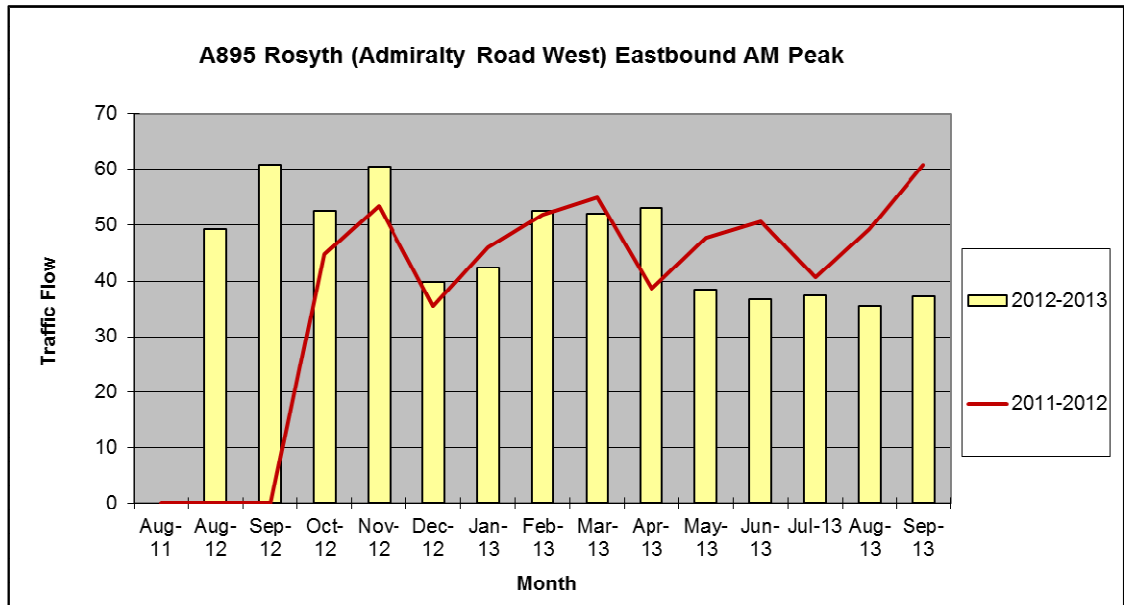


Figure 4-13 Monthly Eastbound AM Peak HGV Flows on the A985 Rosyth (Admiralty Road West)

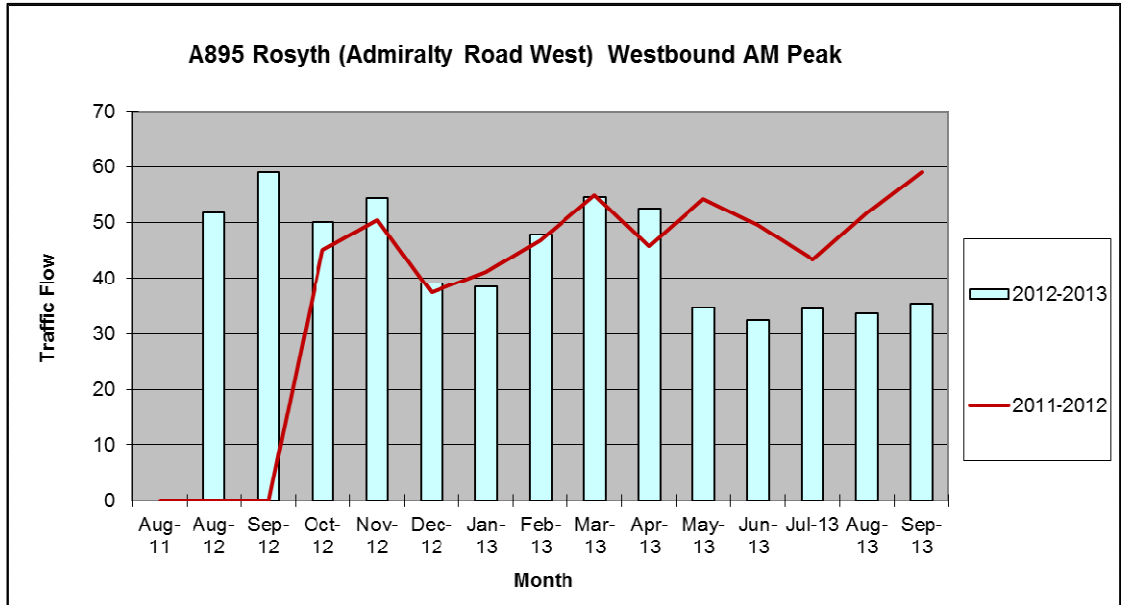


Figure 4-14 Monthly Westbound AM Peak HGV Flows on the A985 Rosyth (Admiralty Road West)

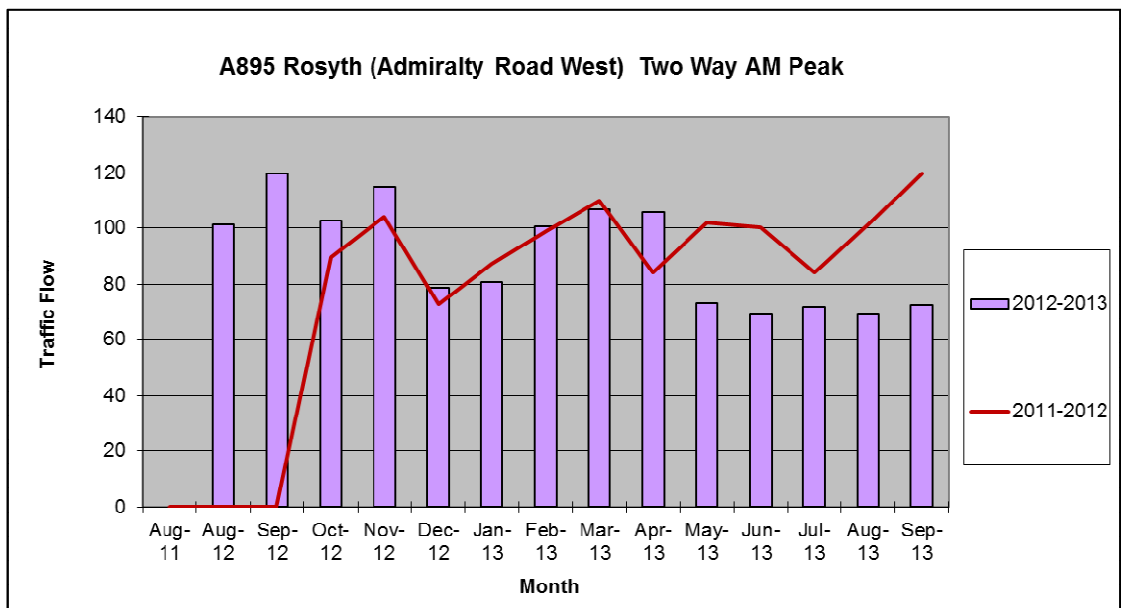


Figure 4-15 Monthly Two Way AM Peak HGV Flows on the A985 Rosyth (Admiralty Road West)

### 4.1.6 Monthly Average PM Peak HGV Flows

Table 4-6 Site: JTC00318 PM Peak HGV Traffic Flows – August 2012 to September 2013

Counter	Location	Date	EB	WB	Two Way
JTC00318	A985 Rosyth (Admiralty Road West)	Aug-11	No Data	No Data	No Data
		Aug-12	33	30	63
		Sep-12	41	41	82
		Oct-12	37	32	69
		Nov-12	37	33	70
		Dec-12	23	23	46
		Jan-13	26	29	55
		Feb-13	30	27	57
		Mar-13	29	29	57
		Apr-13	32	31	64
		May-13	21	24	45
		Jun-13	22	23	45
		Jul-13	25	25	50
		Aug-13	22	26	48
		Sep-13	23	28	51
	<b>Annual Average</b>	<b>30</b>	<b>29</b>	<b>59</b>	

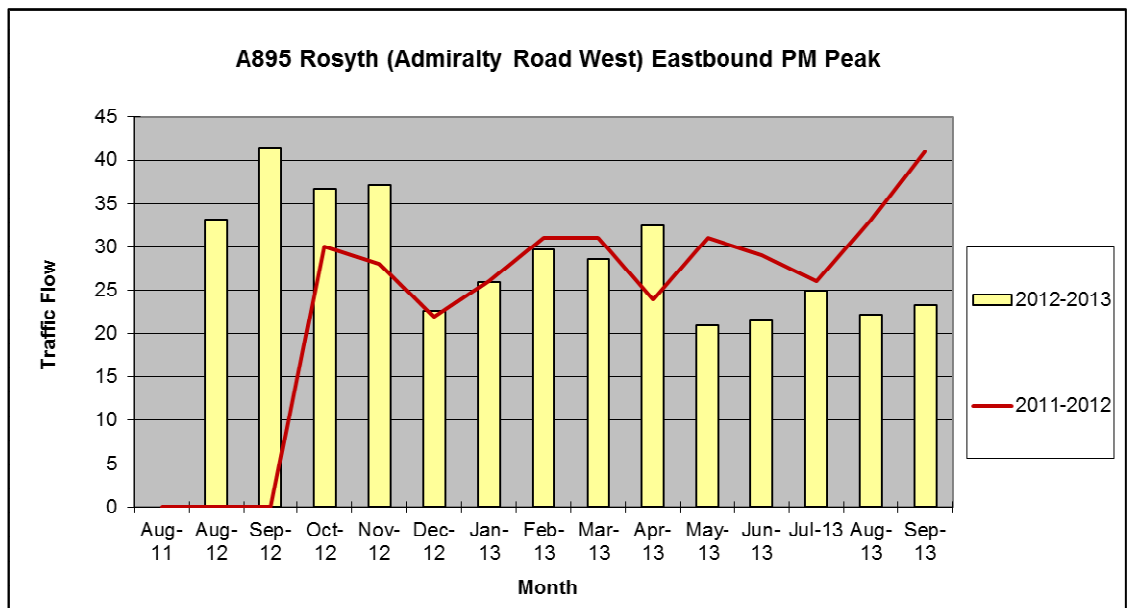


Figure 4-16 Monthly Eastbound PM HGV Peak Flows on the A985 Rosyth (Admiralty Road West)



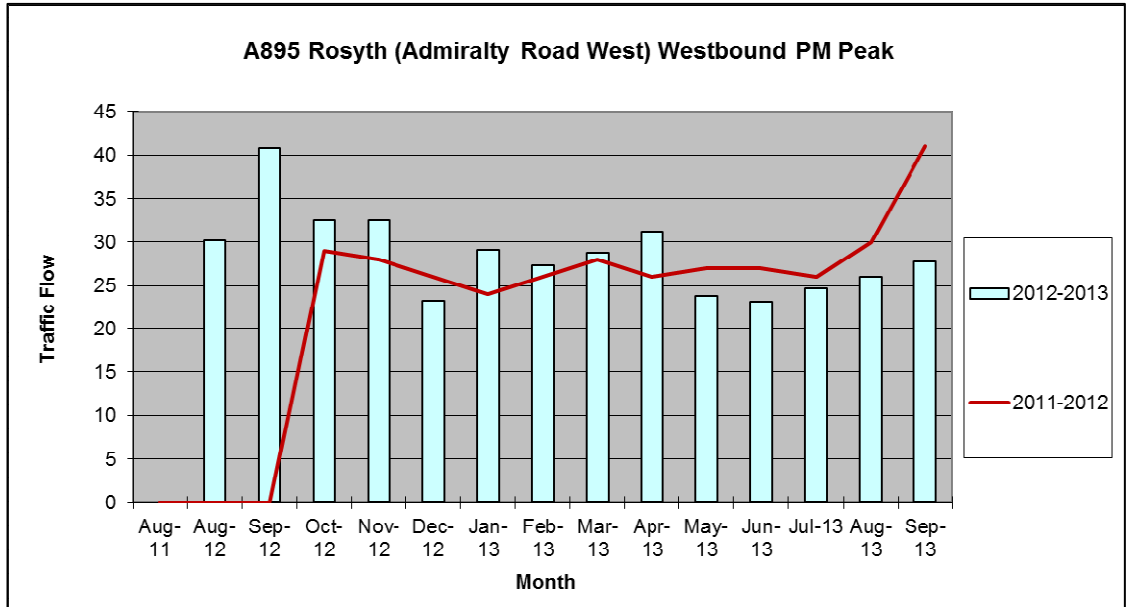


Figure 4-17 Monthly Westbound PM Peak HGV Flows on the A985 Rosyth (Admiralty Road West)

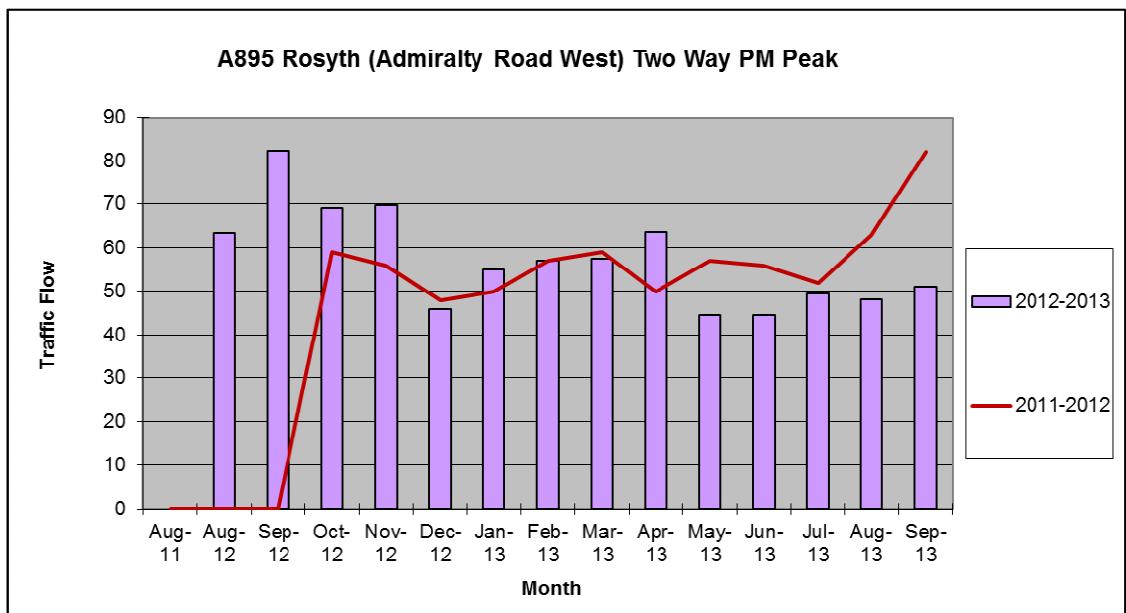
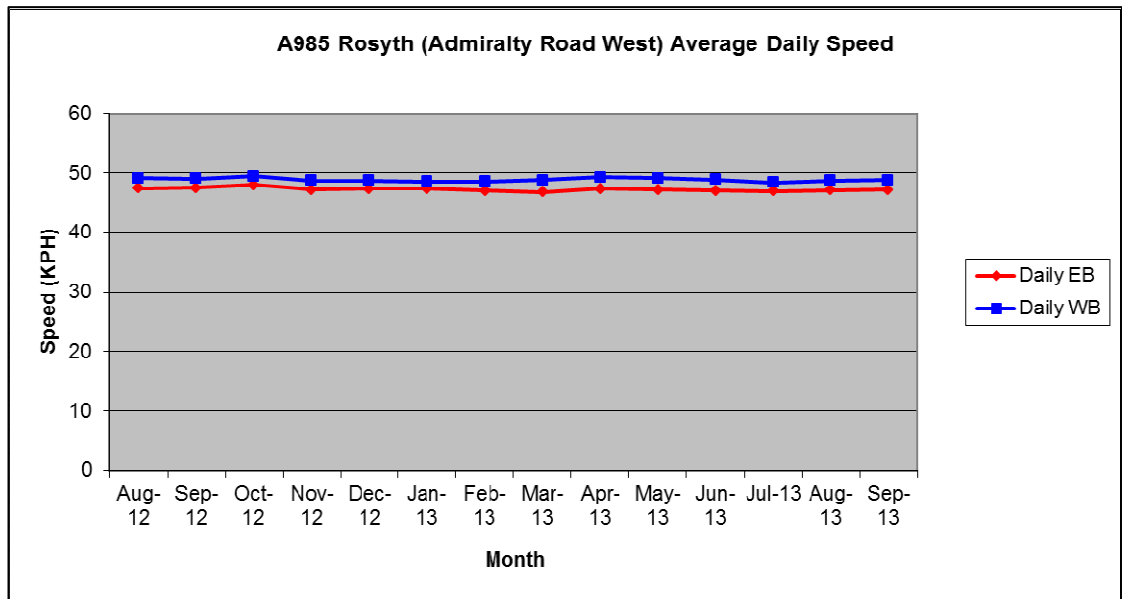


Figure 4-18 Monthly Two Way PM Peak HGV Flows on the A985 Rosyth (Admiralty Road West)

### 4.1.7 Monthly Average All Vehicles Traffic Speeds

**Table 4-7 Site: JTC00318 Average Monthly Traffic Speeds (KPH) (All Vehicles) – August 2012 to September 2013**

Counter	Location	Date	EB	WB
JTC00318	A985 Rosyth (Admiralty Road West)	Aug-12	47	49
		Sep-12	48	49
		Oct-12	48	49
		Nov-12	47	49
		Dec-12	47	49
		Jan-13	47	49
		Feb-13	47	49
		Mar-13	47	49
		Apr-13	47	49
		May-13	47	49
		Jun-13	47	49
		Jul-13	47	48
		Aug-13	47	49
		Sep-13	47	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 2012 to September 2013

Counter	Location	Date	EB	WB	Two Way
JTC00395	A904 (East of Newton)	Aug-11	6,746	7,058	13,803
		Aug-12	7,126	7,564	14,690
		Sep-12	6,770	7,173	13,942
		Oct-12	6,673	7,179	13,853
		Nov-12	7,169	7,321	14,490
		Dec-12	5,566	5,902	11,467
		Jan-13	5,525	5,718	11,243
		Feb-13	5,362	5,912	11,274
		Mar-13	5,153	5,729	10,882
		Apr-13	5,622	6,230	11,852
		May-13	5,919	6,537	12,456
		Jun-13	5,821	6,400	12,221
		Jul-13	5,397	5,947	11,345
		Aug-13	5,340	5,803	11,143
		Sep-13	5,173	5,518	10,691
<b>Annual Average</b>			<b>6,009</b>	<b>6,468</b>	<b>12,476</b>

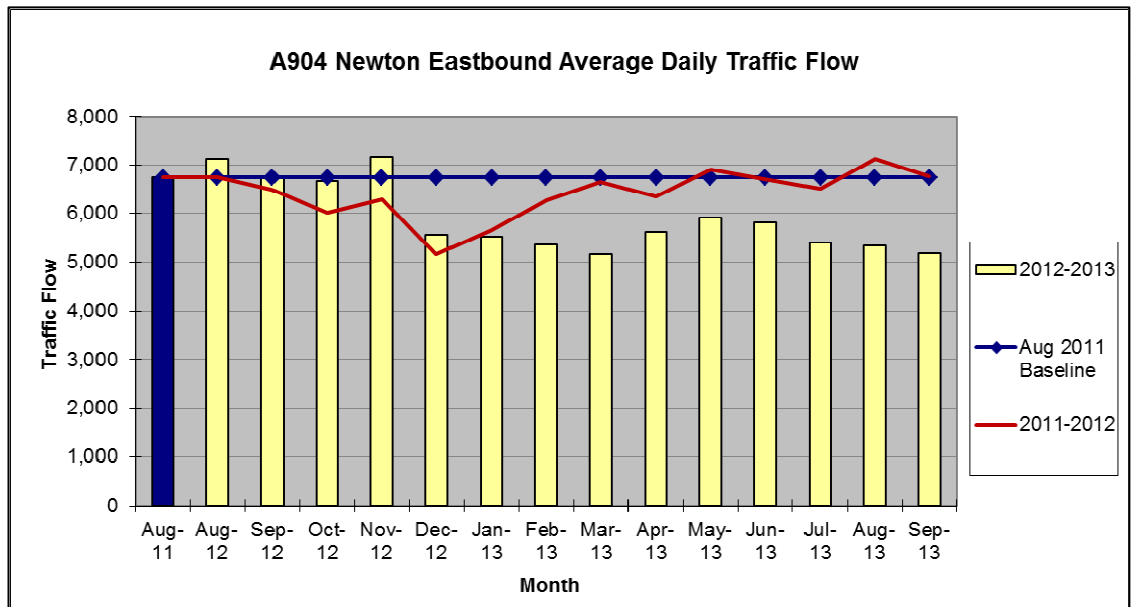


Figure 4-20 Monthly Eastbound AADTs on the A904 East of Newton

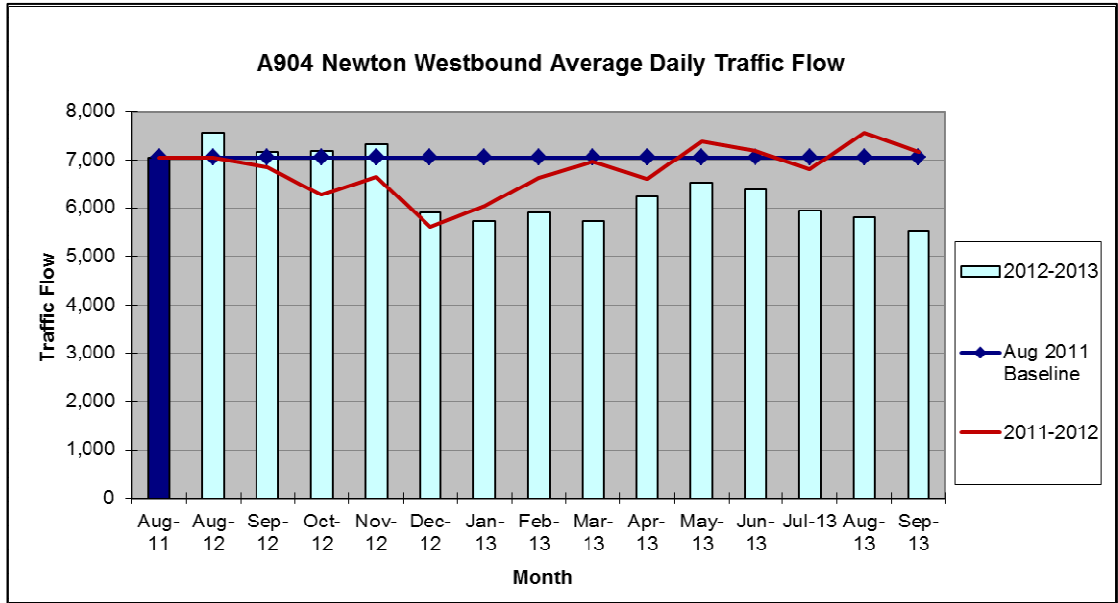


Figure 4-21 Monthly Westbound AADTs on the A904 East of Newton

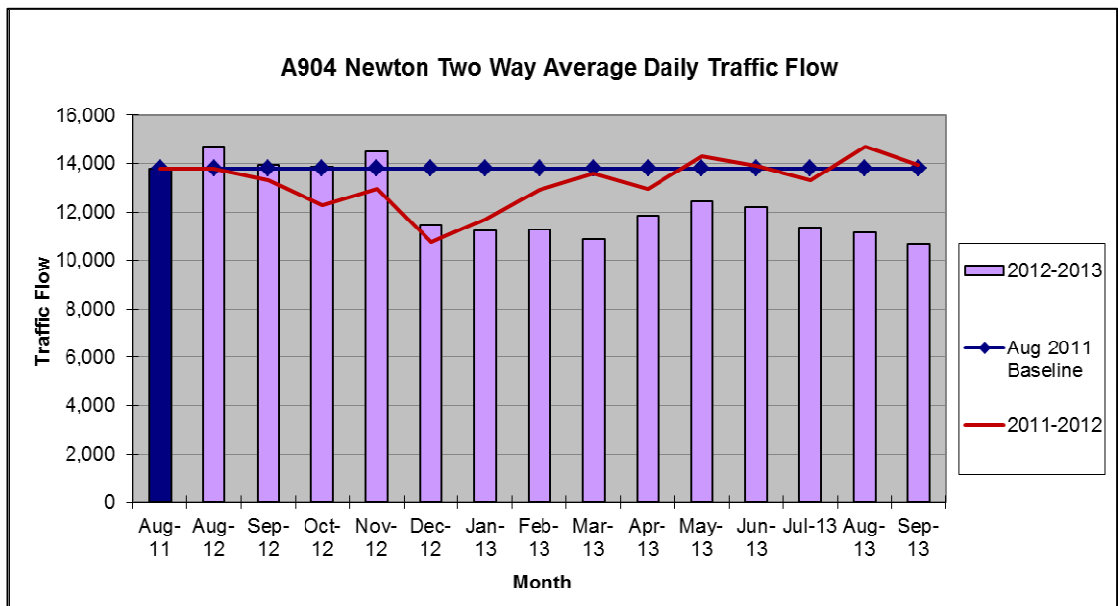


Figure 4-22 Monthly Two Way Daily Traffic Flows on the A904 East of Newton

### 4.2.2 Monthly Average AM Peak Traffic Flows

Table 4-9 Site: JTC00395 AM Peak Traffic Flows – August 2012 to September 2013

Counter	Location	Date	EB	WB	Two Way
JTC00395	A904 (East of Newton)	Aug-11	1,605	1,075	2,680
		Aug-12	1,609	1,199	2,808
		Sep-12	1,541	1,179	2,720
		Oct-12	1,626	1,239	2,864
		Nov-12	1,717	1,296	3,013
		Dec-12	1,182	907	2,089
		Jan-13	1,411	986	2,397
		Feb-13	1,364	1,021	2,385
		Mar-13	1,243	982	2,225
		Apr-13	1,348	1,012	2,360
		May-13	1,387	1,079	2,466
		Jun-13	1,317	1,034	2,350
		Jul-13	1,146	907	2,053
		Aug-13	1,249	1,000	2,249
		Sep-13	1,193	949	2,142
<b>Annual Average</b>			<b>1,408</b>	<b>1,070</b>	<b>2,477</b>

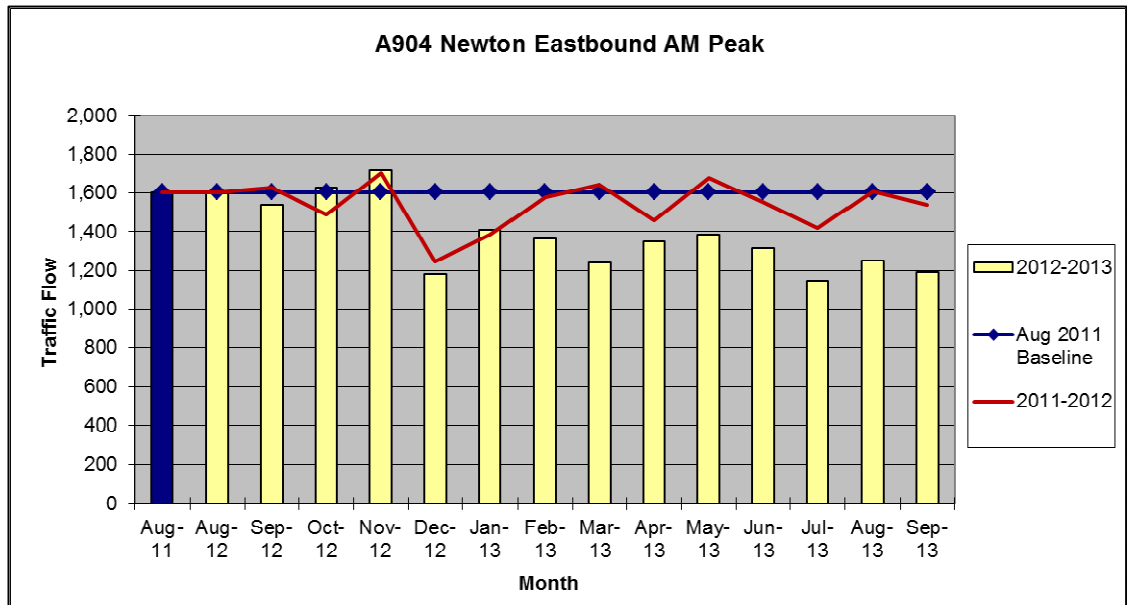


Figure 4-23 Monthly Eastbound AM Peak Flows on the A904 East of Newton

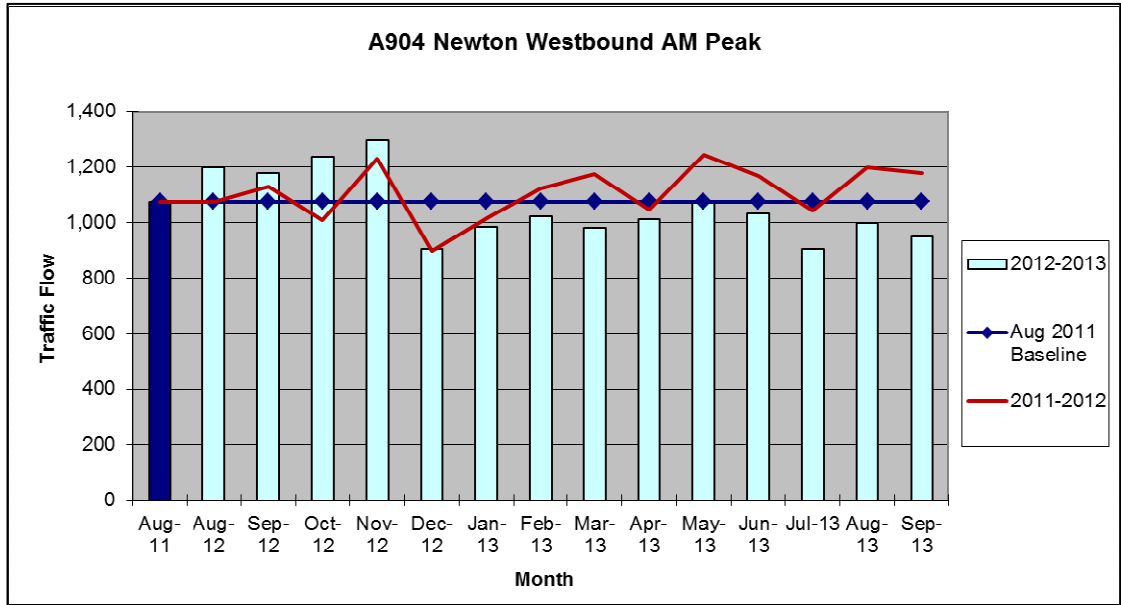


Figure 4-24 Monthly Westbound AM Peak Flows on the A904 East of Newton

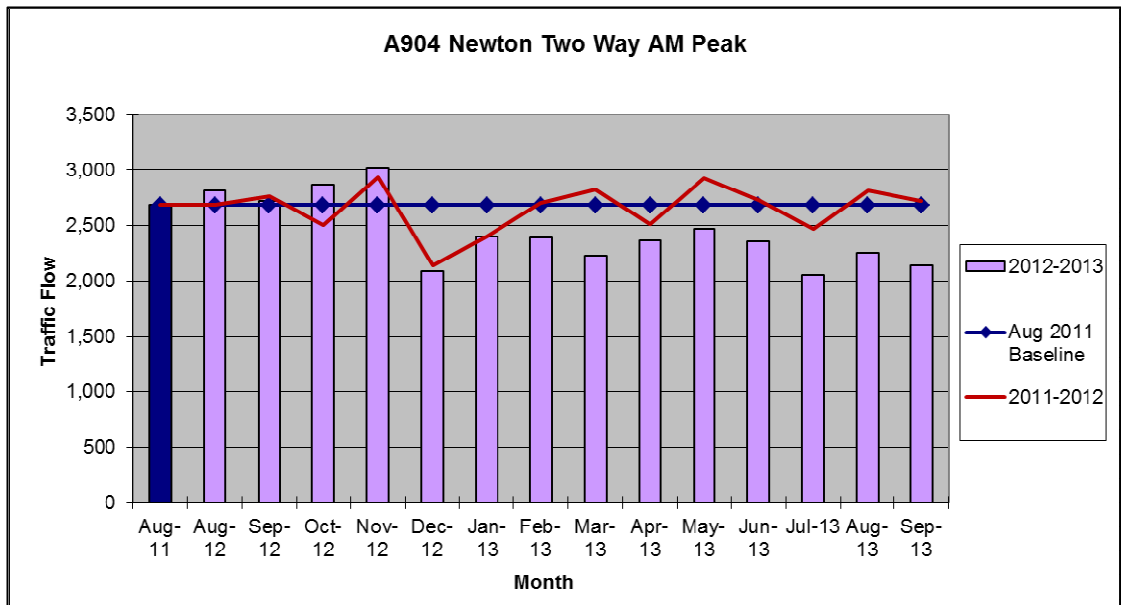


Figure 4-25 Monthly Two Way AM Peak Flows on the A904 East of Newton

### 4.2.3 Monthly Average PM Peak Traffic Flows

Table 4-10 Site: JTC00395 PM Peak Traffic Flows – August 2012 to September 2013

Counter	Location	Date	EB	WB	Two Way
JTC00395	A904 (East of Newton)	Aug-11	1,545	2,011	3,556
		Aug-12	1,634	2,101	3,735
		Sep-12	1,571	2,011	3,582
		Oct-12	1,569	2,033	3,601
		Nov-12	1,646	2,061	3,706
		Dec-12	1,209	1,572	2,781
		Jan-13	1,243	1,613	2,856
		Feb-13	1,254	1,627	2,882
		Mar-13	1,205	1,584	2,790
		Apr-13	1,361	1,763	3,124
		May-13	1,444	1,784	3,228
		Jun-13	1,423	1,724	3,147
		Jul-13	1,313	1,644	2,957
		Aug-13	1,349	1,552	2,901
		Sep-13	1,313	1,525	2,839
<b>Annual Average</b>			<b>1,406</b>	<b>1,793</b>	<b>3,199</b>

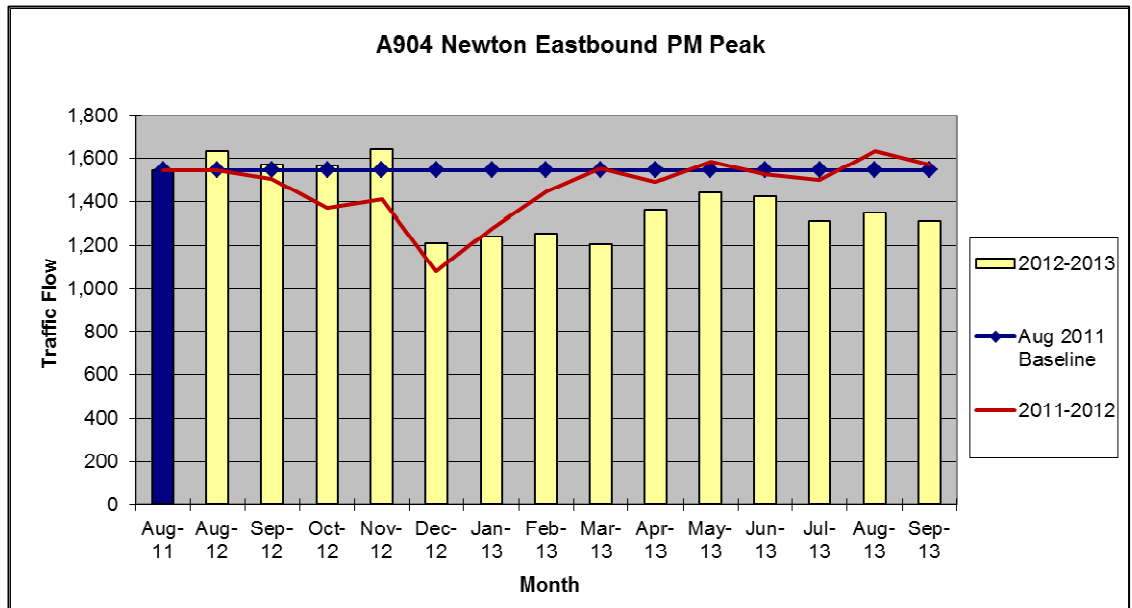


Figure 4-26 Monthly Eastbound PM Peak Flows on the A904 East of Newton

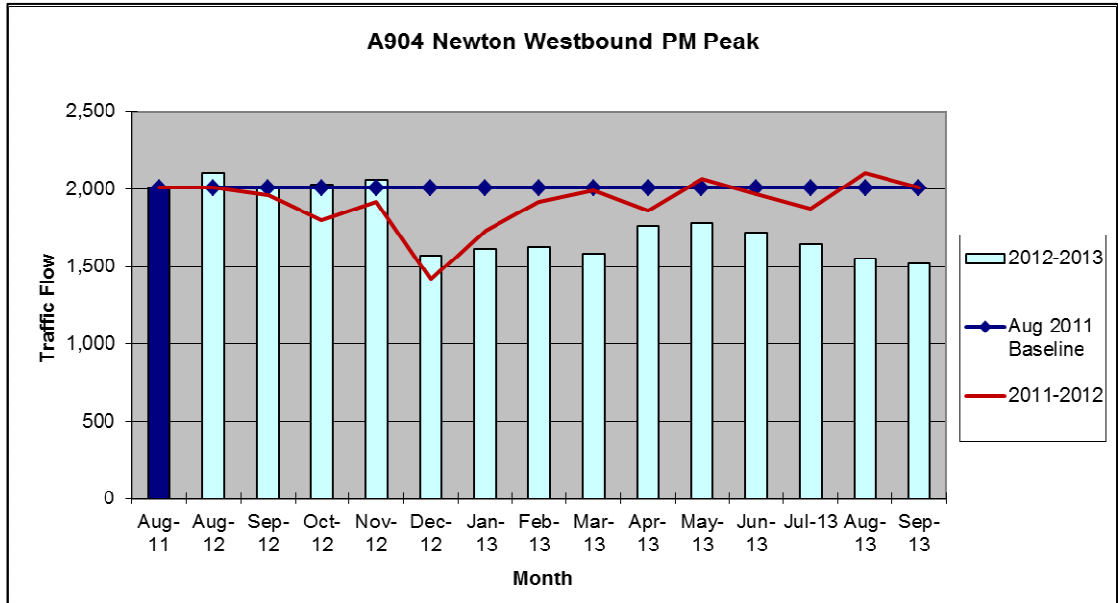


Figure 4-27 Monthly Westbound PM Peak Flows on the A904 East of Newton

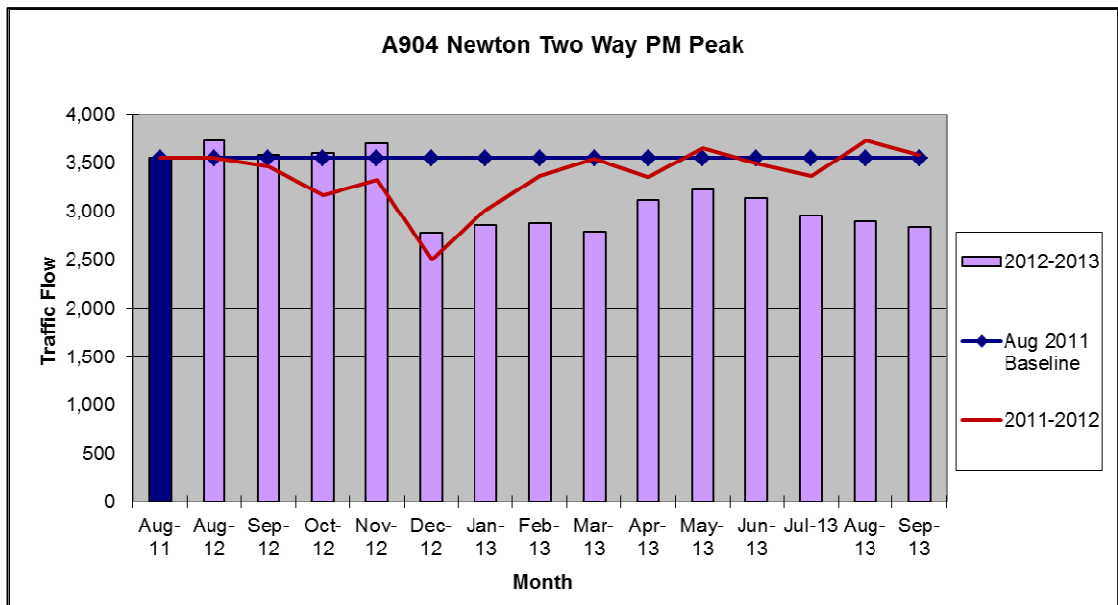


Figure 4-28 Monthly Two Way PM Peak Flows on the A904 East of Newton



### 4.2.4 Monthly Average HGV Flows

Table 4-11 Site: JTC00395 Annual HGV Traffic Flows – August 2012 to September 2013

Counter	Location	Date	EB	WB	Two Way
JTC00395	A904 (East of Newton)	Aug-11	253	228	481
		Aug-12	250	241	491
		Sep-12	241	228	470
		Oct-12	259	243	502
		Nov-12	291	259	550
		Dec-12	207	185	392
		Jan-13	207	163	369
		Feb-13	114	123	238
		Mar-13	101	109	211
		Apr-13	96	116	212
		May-13	102	108	210
		Jun-13	97	99	197
		Jul-13	88	92	180
		Aug-13	88	92	180
		Sep-13	75	79	155
<b>Annual Average</b>			<b>171</b>	<b>164</b>	<b>335</b>

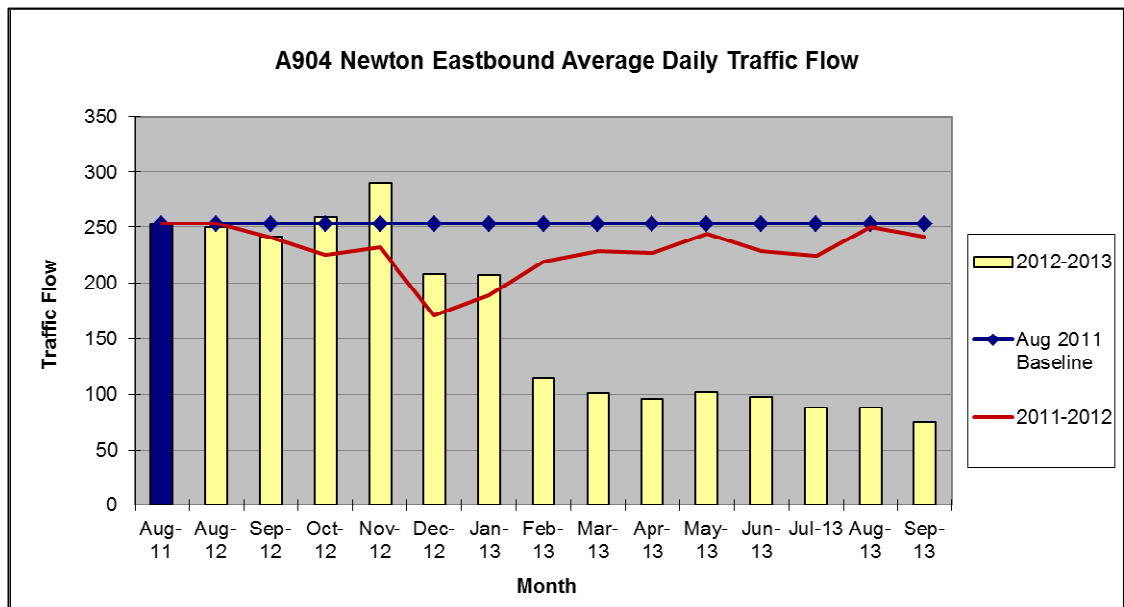


Figure 4-29 Monthly Eastbound HGV Flows on the A904 East of Newton

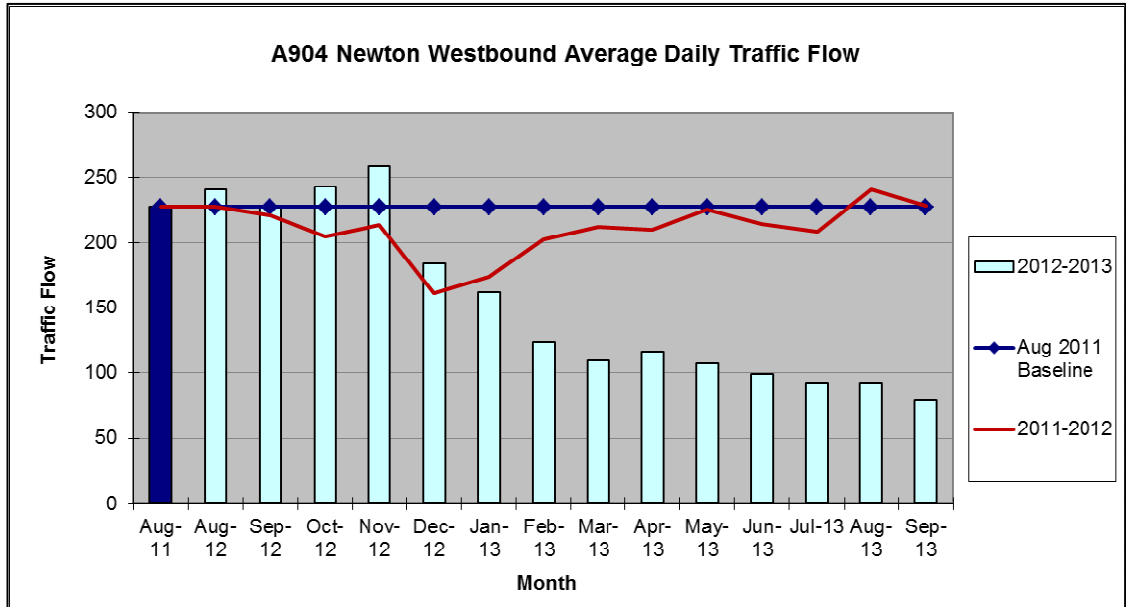


Figure 4-30 Monthly Westbound HGV Flows on the A904 East of Newton

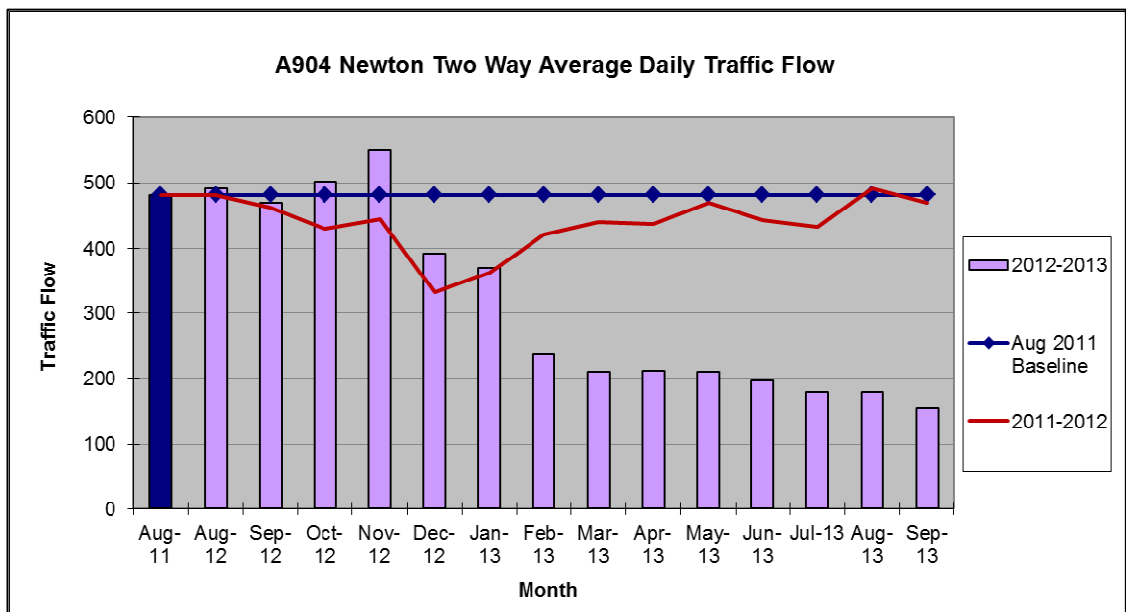


Figure 4-31 Monthly Two Way HGV Flows on the A904 East of Newton

### 4.2.5 Monthly Average AM Peak HGV Flows

Table 4-12 Site: JTC00395 AM Peak HGV Traffic Flows – August 2012 to September 2013

Counter	Location	Date	EB	WB	Two Way
JTC00395	A904 (East of Newton)	Aug-11	64	41	105
		Aug-12	61	41	102
		Sep-12	59	40	99
		Oct-12	61	42	103
		Nov-12	68	42	109
		Dec-12	47	29	76
		Jan-13	51	24	76
		Feb-13	30	22	52
		Mar-13	23	19	43
		Apr-13	23	23	47
		May-13	24	19	43
		Jun-13	23	18	41
		Jul-13	22	18	39
		Aug-13	20	17	37
		Sep-13	19	15	34
<b>Annual Average</b>			<b>41</b>	<b>28</b>	<b>69</b>

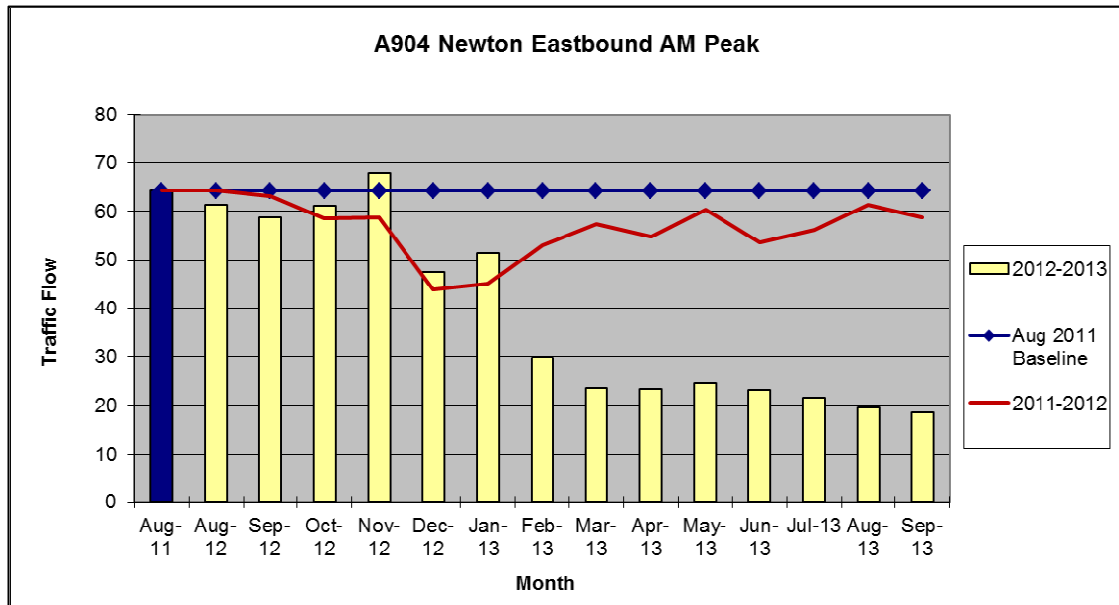


Figure 4-32 Monthly Eastbound AM Peak HGV Flows on the A904 East of Newton

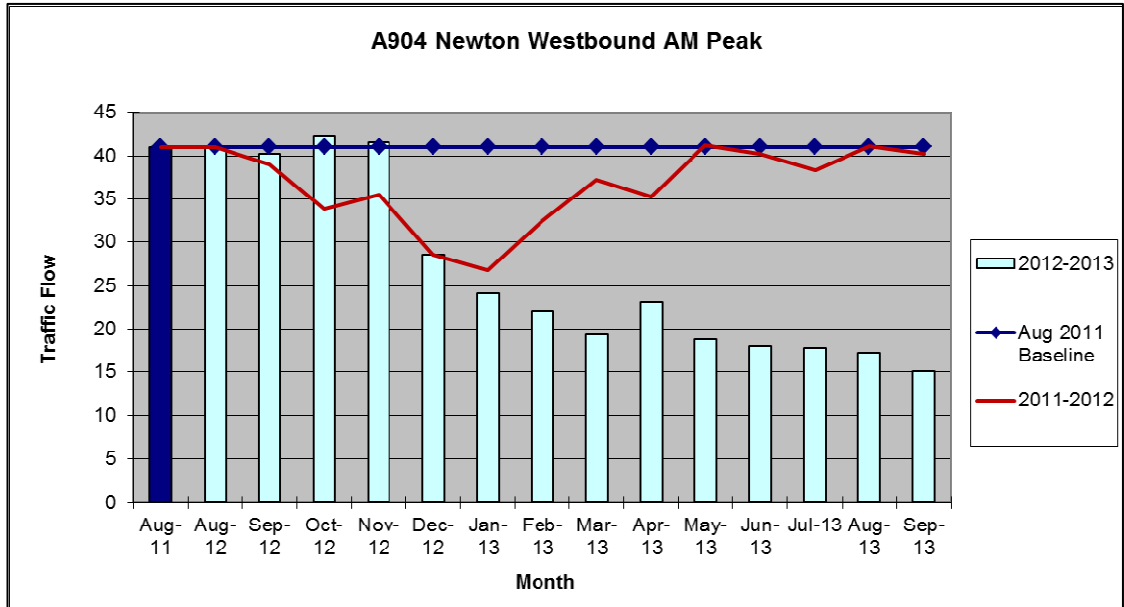


Figure 4-33 Monthly Westbound AM Peak HGV Flows on the A904 East of Newton

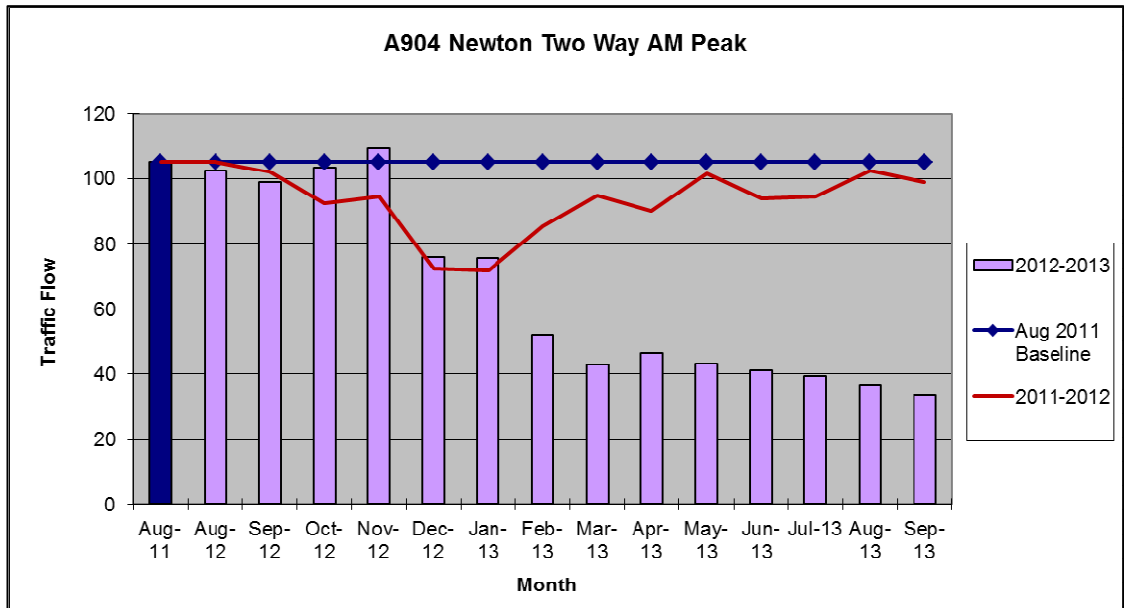


Figure 4-34 Monthly Two Way AM Peak HGV Flows on the A904 East of Newton

### 4.2.6 Monthly Average PM Peak HGV Flows

Table 4-13 Site: JTC00395 PM Peak HGV Traffic Flows – August 2012 to September 2013

Counter	Location	Date	EB	WB	Two Way
JTC00395	A904 (East of Newton)	Aug-11	28	39	68
		Aug-12	27	45	73
		Sep-12	25	41	66
		Oct-12	28	43	71
		Nov-12	33	47	80
		Dec-12	23	31	53
		Jan-13	23	23	45
		Feb-13	14	19	33
		Mar-13	13	17	30
		Apr-13	13	19	31
		May-13	15	18	33
		Jun-13	14	19	33
		Jul-13	13	16	29
		Aug-13	12	16	29
		Sep-13	11	16	27
<b>Annual Average</b>			<b>20</b>	<b>28</b>	<b>48</b>

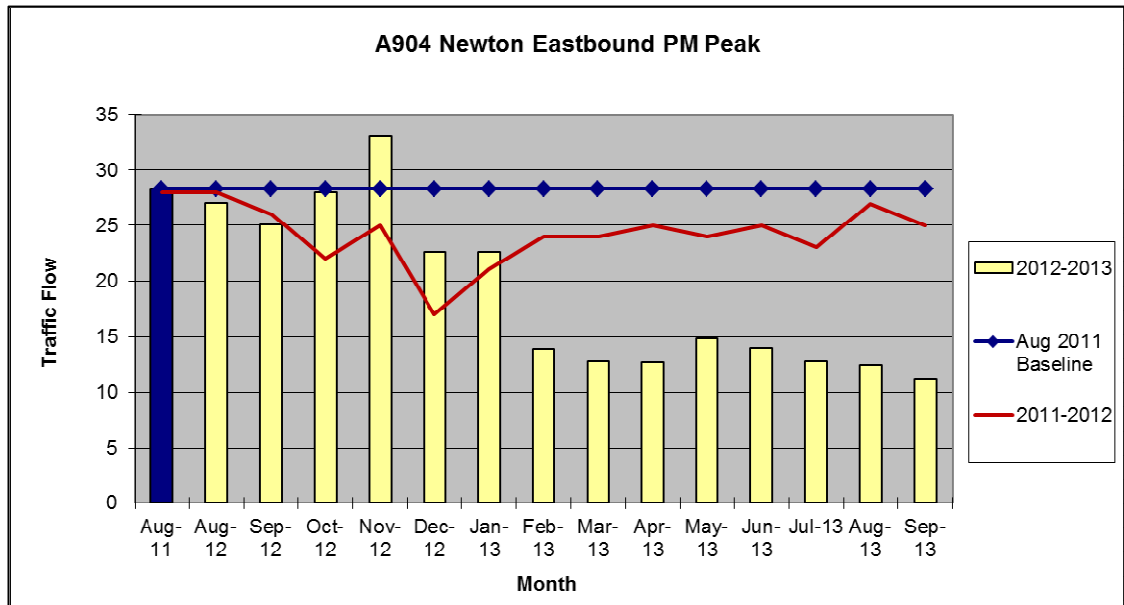


Figure 4-35 Monthly Eastbound PM HGV Peak Flows on the A904 East of Newton

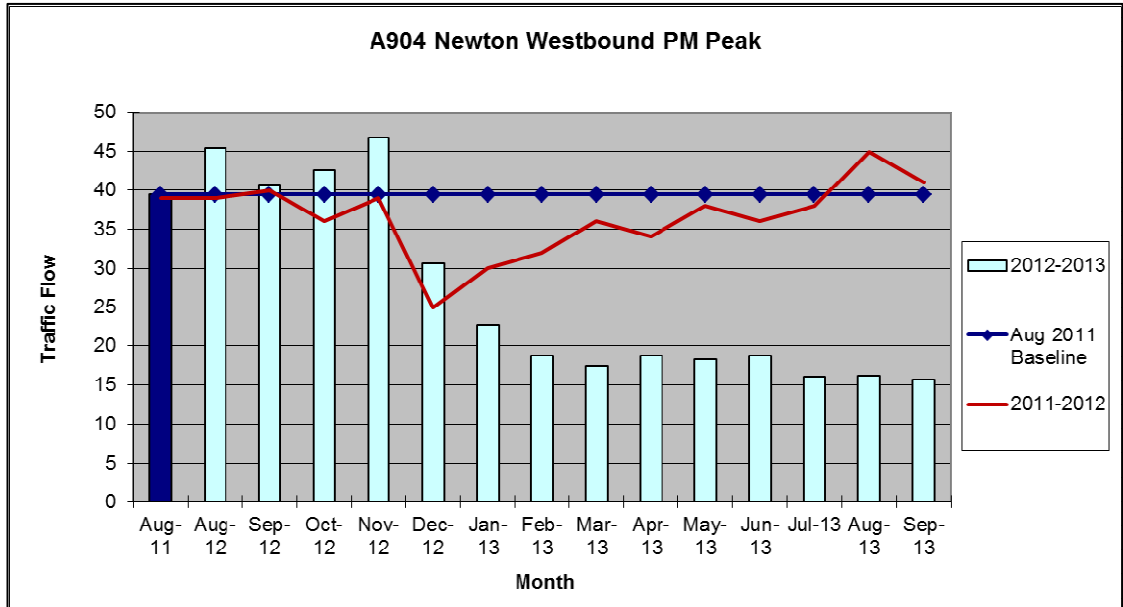


Figure 4-36 Monthly Westbound PM Peak HGV Flows on the A904 East of Newton

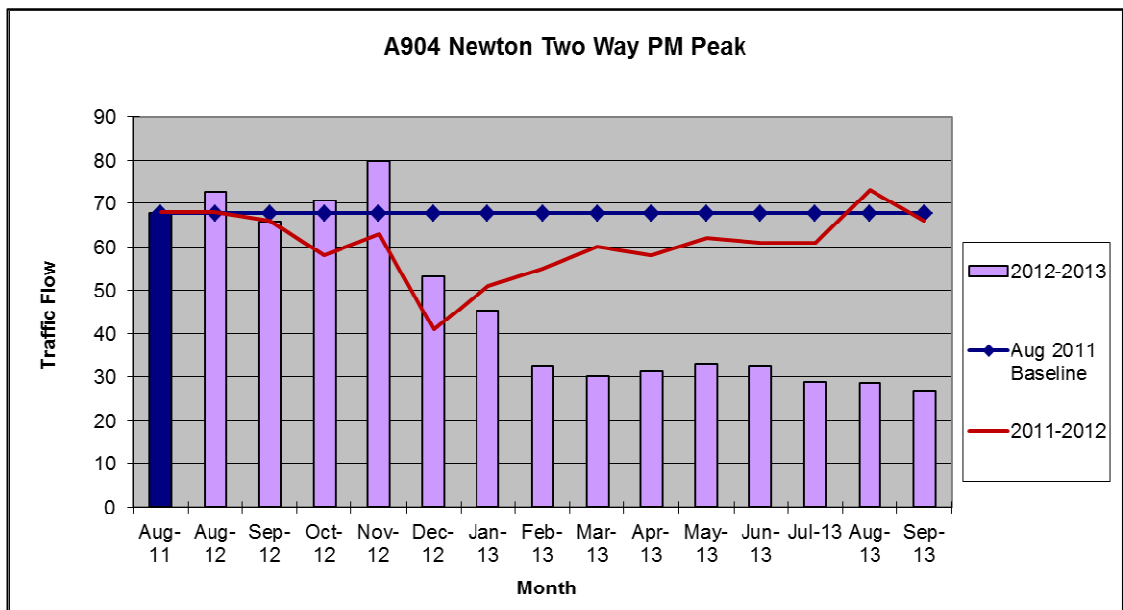
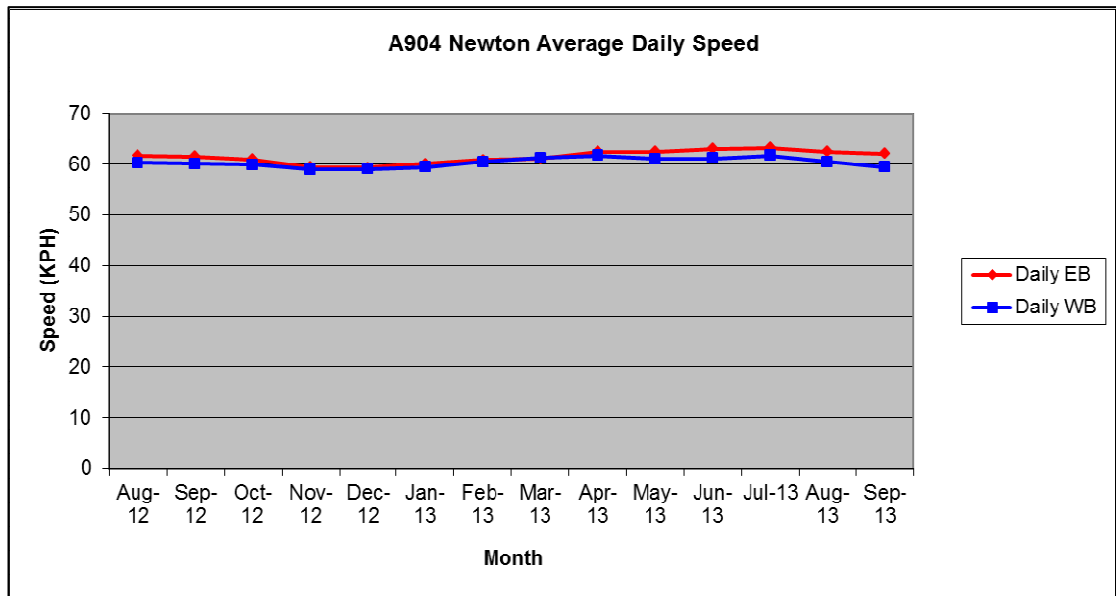


Figure 4-37 Monthly Two Way PM Peak HGV Flows on the A904 East of Newton

### 4.2.7 Monthly Average All Vehicles Traffic Speeds

**Table 4-14 Site: JTC00395 Average Monthly Traffic Speeds (KPH) (All Vehicles) – August 2012 to September 2013**

Counter	Location	Date	EB	WB
JTC00395	A904 (East of Newton)	Aug-12	62	60
		Sep-12	62	60
		Oct-12	61	60
		Nov-12	59	59
		Dec-12	59	59
		Jan-13	60	59
		Feb-13	61	60
		Mar-13	61	61
		Apr-13	62	62
		May-13	62	61
		Jun-13	63	61
		Jul-13	63	62
		Aug-13	62	60
		Sep-13	62	59



**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 2012 to September 2013

Counter	Location	Date	NB	SB	Two Way
JTC00507	A876 Clackmannanshire Bridge (South)	Aug-11	7,998	7,990	15,988
		Aug-12	8,495	8,467	16,962
		Sep-12	8,421	8,390	16,811
		Oct-12	8,273	8,287	16,559
		Nov-12	No Data	No Data	No Data
		Dec-12	No Data	No Data	No Data
		Jan-13	No Data	No Data	No Data
		Feb-13	No Data	No Data	No Data
		Mar-13	No Data	No Data	No Data
		Apr-13	No Data	No Data	No Data
		May-13	No Data	No Data	No Data
		Jun-13	No Data	No Data	No Data
		Jul-13	No Data	No Data	No Data
		Aug-13	No Data	No Data	No Data
		Sep-13	No Data	No Data	No Data
		<b>Annual Average</b>			<b>8,396</b>

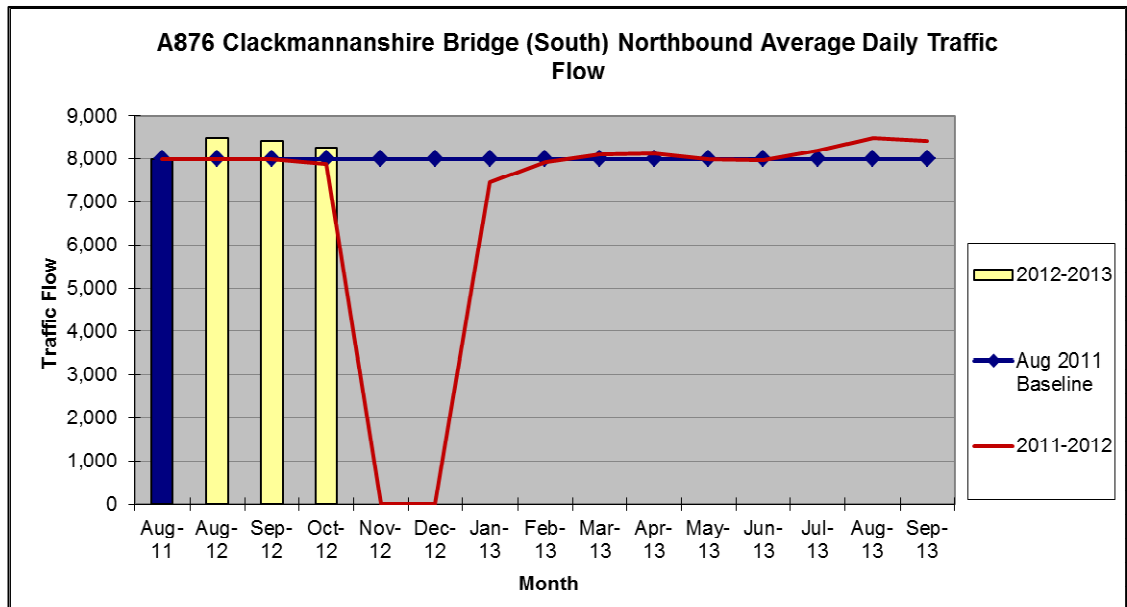


Figure 4-39 Monthly Northbound AADTs on the A876 Clackmannanshire Bridge (South)



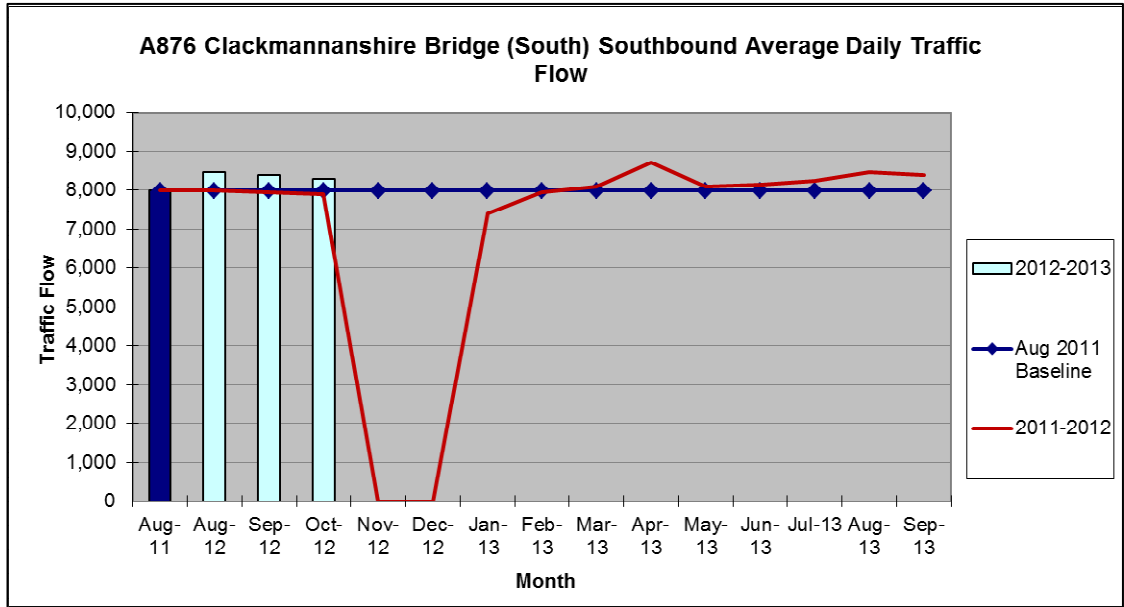


Figure 4-40 Monthly Southbound AADTs on the A876 Clackmannanshire Bridge (South)

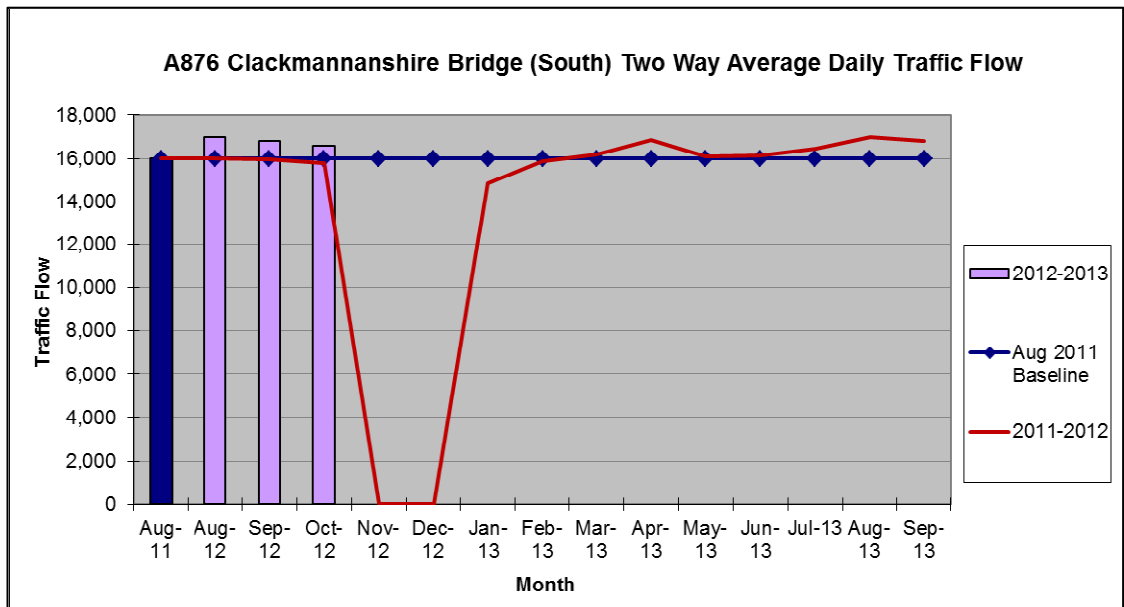


Figure 4-41 Monthly Two Way Daily Traffic Flows on the A876 Clackmannanshire Bridge (South)

### 4.3.2 Monthly Average AM Peak Traffic Flows

Table 4-16 Site: JTC00507 AM Peak Traffic Flows – August 2012 to September 2013

Counter	Location	Date	NB	SB	Two Way
JTC00507	A876 Clackmannanshire Bridge (South)	Aug-11	1,348	1,875	3,223
		Aug-12	1,446	1,963	3,408
		Sep-12	1,475	1,936	3,411
		Oct-12	1,489	2,047	3,535
		Nov-12	No Data	No Data	No Data
		Dec-12	No Data	No Data	No Data
		Jan-13	No Data	No Data	No Data
		Feb-13	No Data	No Data	No Data
		Mar-13	No Data	No Data	No Data
		Apr-13	No Data	No Data	No Data
		May-13	No Data	No Data	No Data
		Jun-13	No Data	No Data	No Data
		Jul-13	No Data	No Data	No Data
		Aug-13	No Data	No Data	No Data
		Sep-13	No Data	No Data	No Data
<b>Annual Average</b>			<b>1,470</b>	<b>1,982</b>	<b>3,452</b>

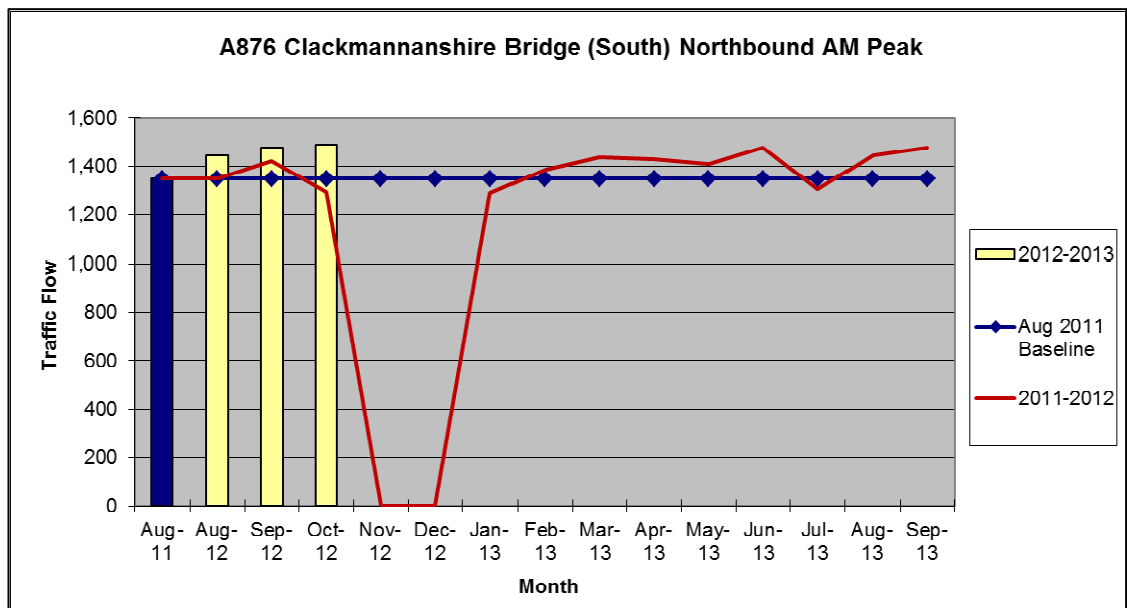


Figure 4-42 Monthly Northbound AM Peak Flows on the A876 Clackmannanshire Bridge (South)

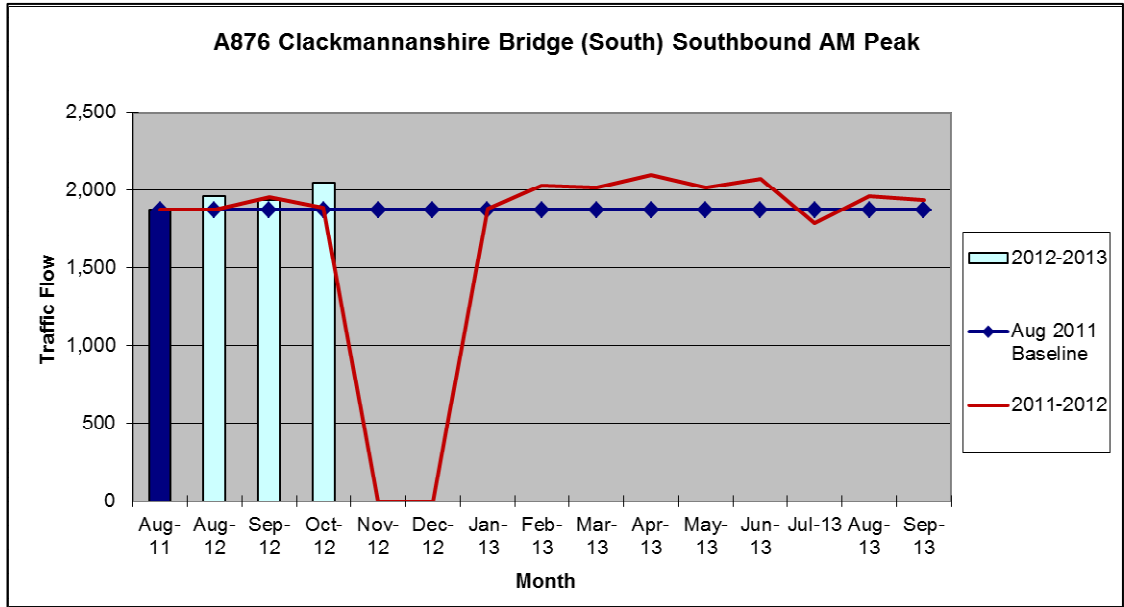


Figure 4-43 Monthly Southbound AM Peak Flows on the A876 Clackmannanshire Bridge (South)

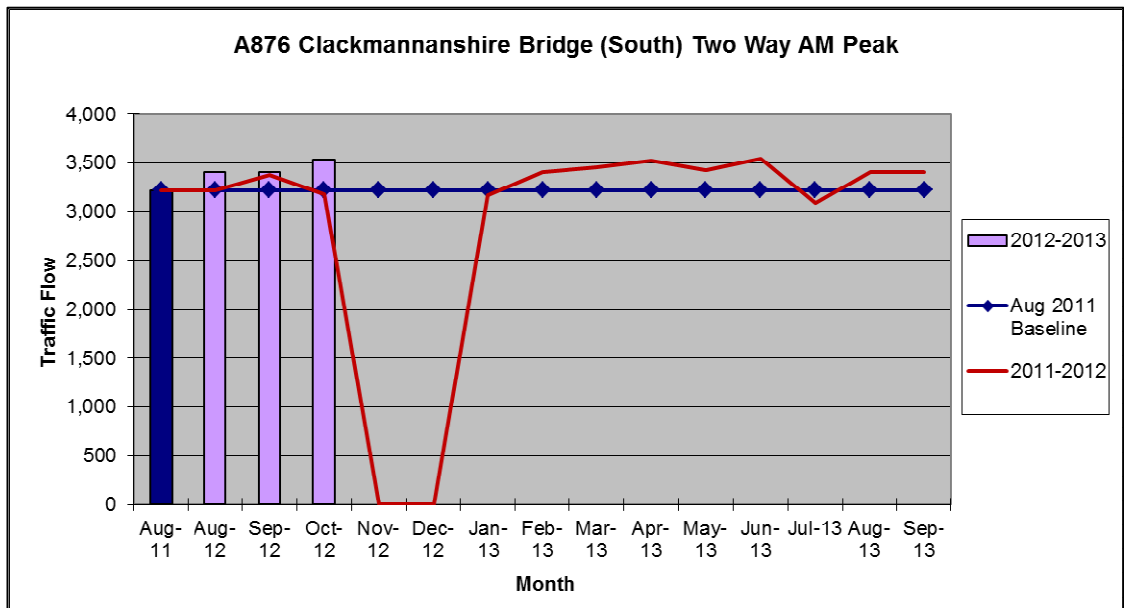


Figure 4-44 Monthly Two Way AM Peak Flows on the A876 Clackmannanshire Bridge (South)

### 4.3.3 Monthly Average PM Peak Traffic Flows

Table 4-17 Site: JTC00507 PM Peak Traffic Flows – August 2012 to September 2013

Counter	Location	Date	NB	SB	Two Way
JTC00507	A876 Clackmannanshire Bridge (South)	Aug-11	2,228	1,717	3,944
		Aug-12	2,314	1,845	4,158
		Sep-12	2,255	1,838	4,093
		Oct-12	2,256	1,779	4,035
		Nov-12	No Data	No Data	No Data
		Dec-12	No Data	No Data	No Data
		Jan-13	No Data	No Data	No Data
		Feb-13	No Data	No Data	No Data
		Mar-13	No Data	No Data	No Data
		Apr-13	No Data	No Data	No Data
		May-13	No Data	No Data	No Data
		Jun-13	No Data	No Data	No Data
		Jul-13	No Data	No Data	No Data
		Aug-13	No Data	No Data	No Data
		Sep-13	No Data	No Data	No Data
<b>Annual Average</b>			<b>2,275</b>	<b>1,820</b>	<b>4,095</b>

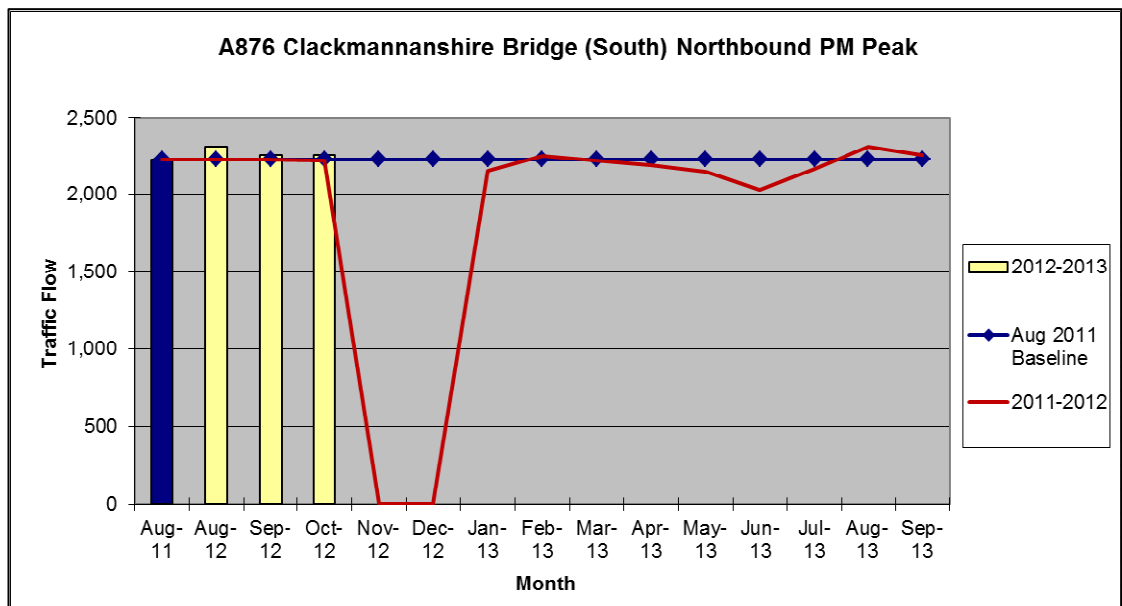


Figure 4-45 Monthly Northbound PM Peak Flows on the A876 Clackmannanshire Bridge (South)

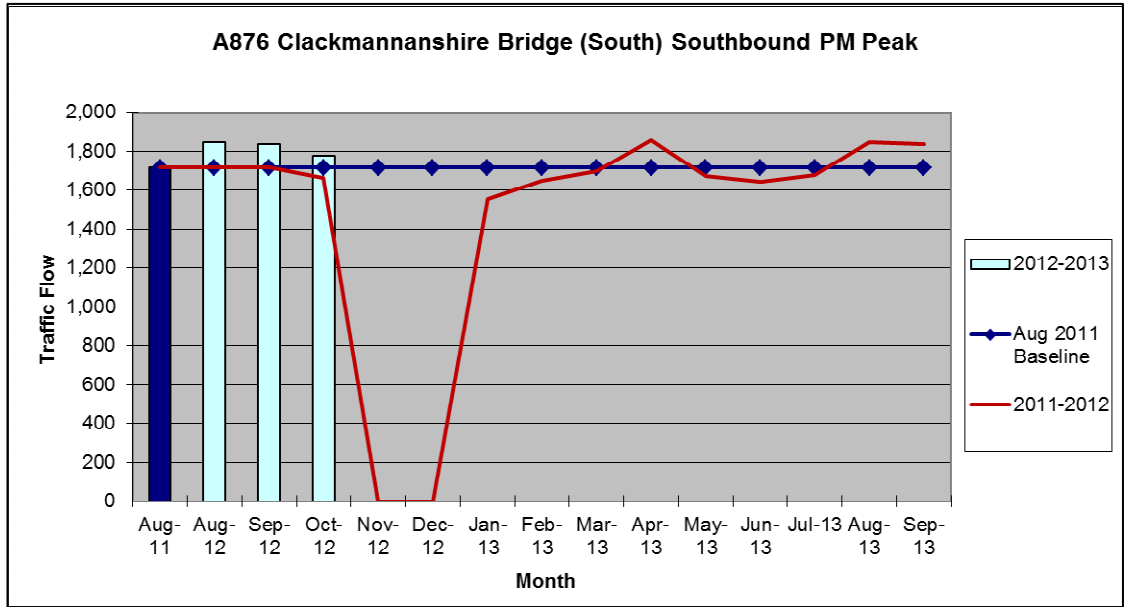


Figure 4-46 Monthly Southbound PM Peak Flows on the A876 Clackmannanshire Bridge (South)

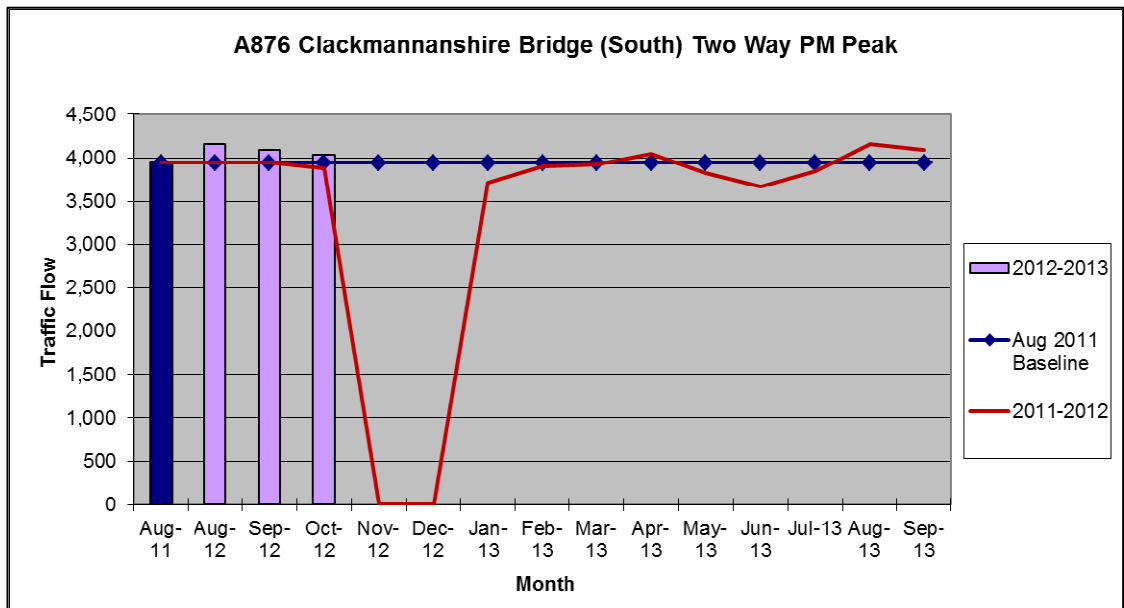


Figure 4-47 Monthly Two Way PM Peak Flows on the A876 Clackmannanshire Bridge (South)

### 4.3.4 Monthly Average HGV Flows

Table 4-18 Site: JTC00507 Annual HGV Traffic Flows – August 2012 to September 2013

Counter	Location	Date	NB	SB	Two Way
JTC00507	A876 Clackmannanshire Bridge (South)	Aug-11	293	293	585
		Aug-12	372	372	744
		Sep-12	356	366	722
		Oct-12	365	378	743
		Nov-12	No Data	No Data	No Data
		Dec-12	No Data	No Data	No Data
		Jan-13	No Data	No Data	No Data
		Feb-13	No Data	No Data	No Data
		Mar-13	No Data	No Data	No Data
		Apr-13	No Data	No Data	No Data
		May-13	No Data	No Data	No Data
		Jun-13	No Data	No Data	No Data
		Jul-13	No Data	No Data	No Data
		Aug-13	No Data	No Data	No Data
		Sep-13	No Data	No Data	No Data
<b>Annual Average</b>			<b>364</b>	<b>372</b>	<b>737</b>

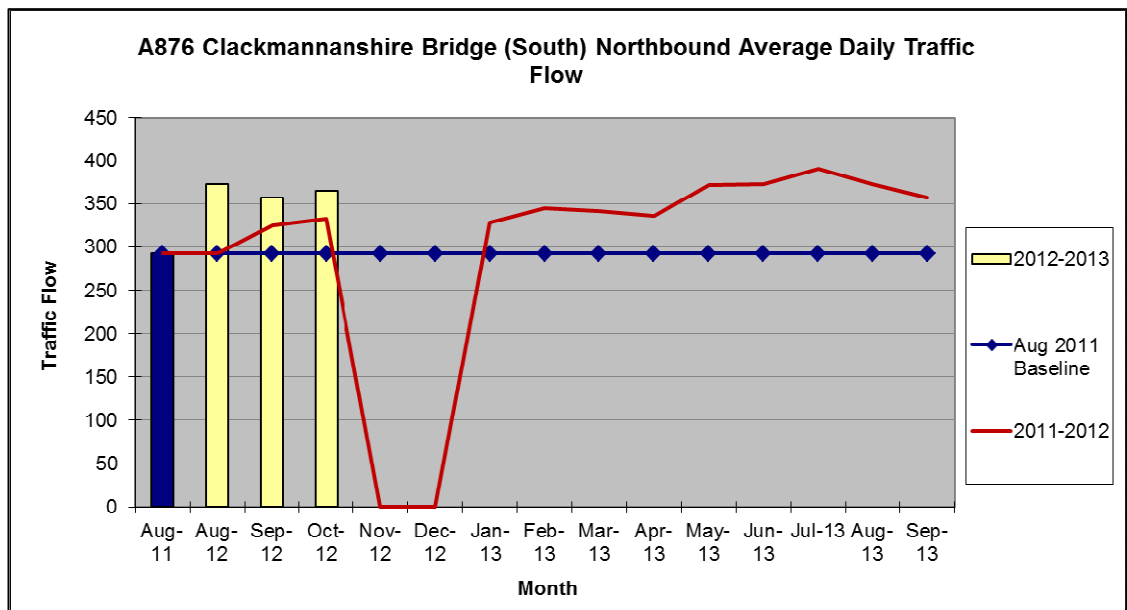


Figure 4-48 Monthly Northbound HGV Flows on the A876 Clackmannanshire Bridge (South)

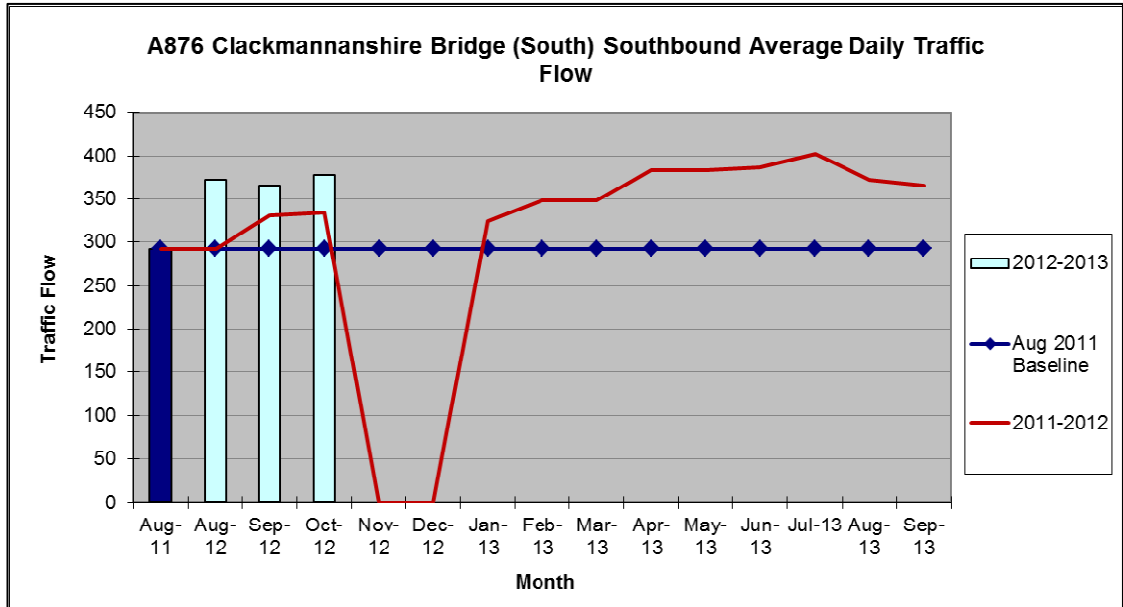


Figure 4-49 Monthly Southbound HGV Flows on the A876 Clackmannanshire Bridge (South)

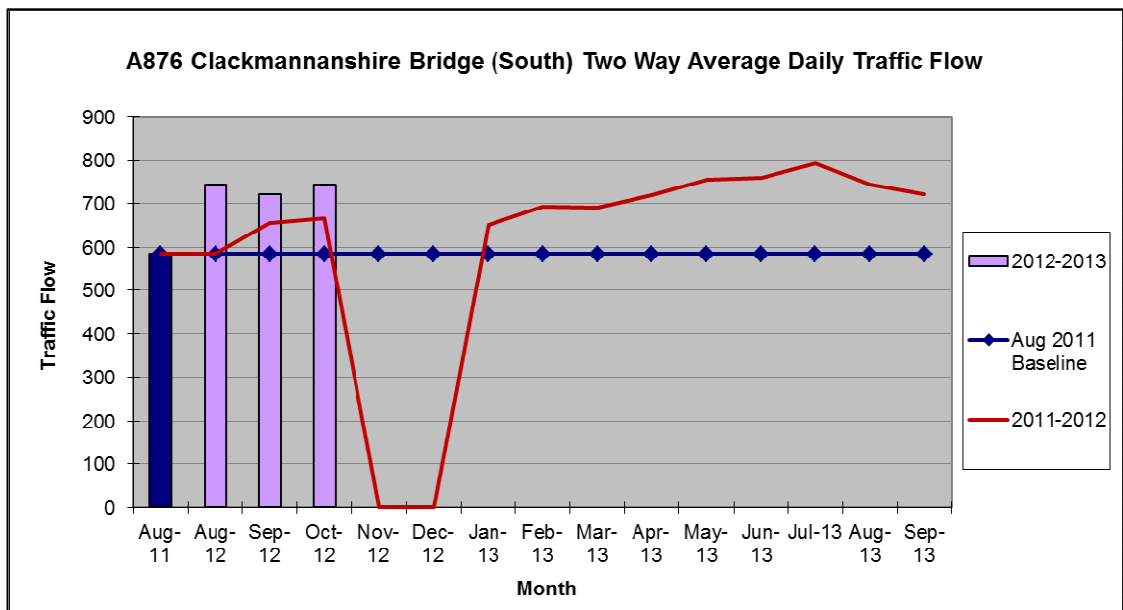


Figure 4-50 Monthly Two Way HGV Flows on the A876 Clackmannanshire Bridge (South)

### 4.3.5 Monthly Average AM Peak HGV Flows

Table 4-19 Site: JTC00507 AM Peak HGV Traffic Flows – August 2012 to September 2013

Counter	Location	Date	NB	SB	Two Way
JTC00507	A876 Clackmannanshire Bridge (South)	Aug-11	52	52	104
		Aug-12	73	67	140
		Sep-12	72	64	136
		Oct-12	74	70	144
		Nov-12	No Data	No Data	No Data
		Dec-12	No Data	No Data	No Data
		Jan-13	No Data	No Data	No Data
		Feb-13	No Data	No Data	No Data
		Mar-13	No Data	No Data	No Data
		Apr-13	No Data	No Data	No Data
		May-13	No Data	No Data	No Data
		Jun-13	No Data	No Data	No Data
		Jul-13	No Data	No Data	No Data
		Aug-13	No Data	No Data	No Data
		Sep-13	No Data	No Data	No Data
	<b>Annual Average</b>		<b>73</b>	<b>67</b>	<b>140</b>

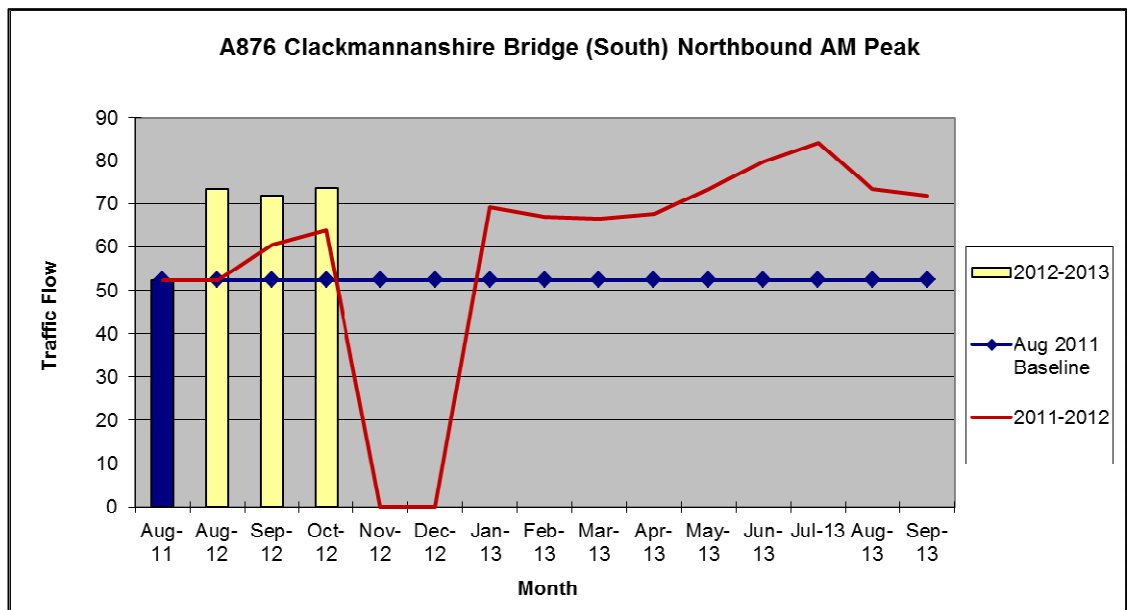


Figure 4-51 Monthly Northbound AM Peak HGV Flows on the A876 Clackmannanshire Bridge (South)



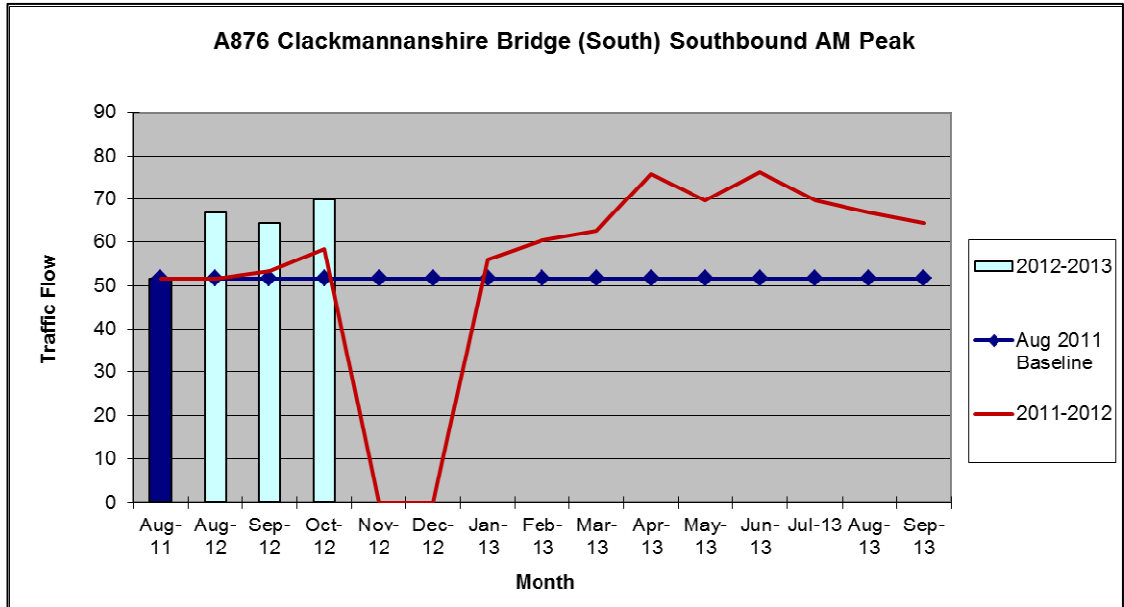


Figure 4-52 Monthly Southbound AM Peak HGV Flows on the A876 Clackmannanshire Bridge (South)

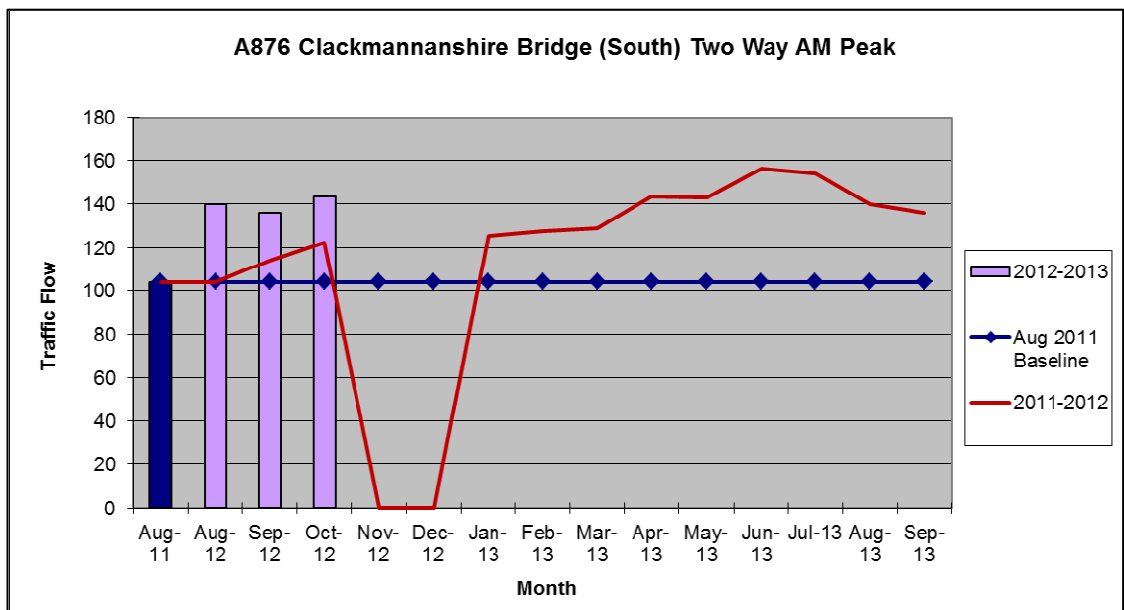


Figure 4-53 Monthly Two Way AM Peak HGV Flows on the A876 Clackmannanshire Bridge (South)

### 4.3.6 Monthly Average PM Peak HGV Flows

Table 4-20 Site: JTC00507 PM Peak HGV Traffic Flows – August 2012 to September 2013

Counter	Location	Date	NB	SB	Two Way
JTC00507	A876 Clackmannanshire Bridge (South)	Aug-11	41	35	76
		Aug-12	47	53	100
		Sep-12	47	53	100
		Oct-12	48	54	101
		Nov-12	No Data	No Data	No Data
		Dec-12	No Data	No Data	No Data
		Jan-13	No Data	No Data	No Data
		Feb-13	No Data	No Data	No Data
		Mar-13	No Data	No Data	No Data
		Apr-13	No Data	No Data	No Data
		May-13	No Data	No Data	No Data
		Jun-13	No Data	No Data	No Data
		Jul-13	No Data	No Data	No Data
		Aug-13	No Data	No Data	No Data
		Sep-13	No Data	No Data	No Data
<b>Annual Average</b>			<b>47</b>	<b>53</b>	<b>101</b>

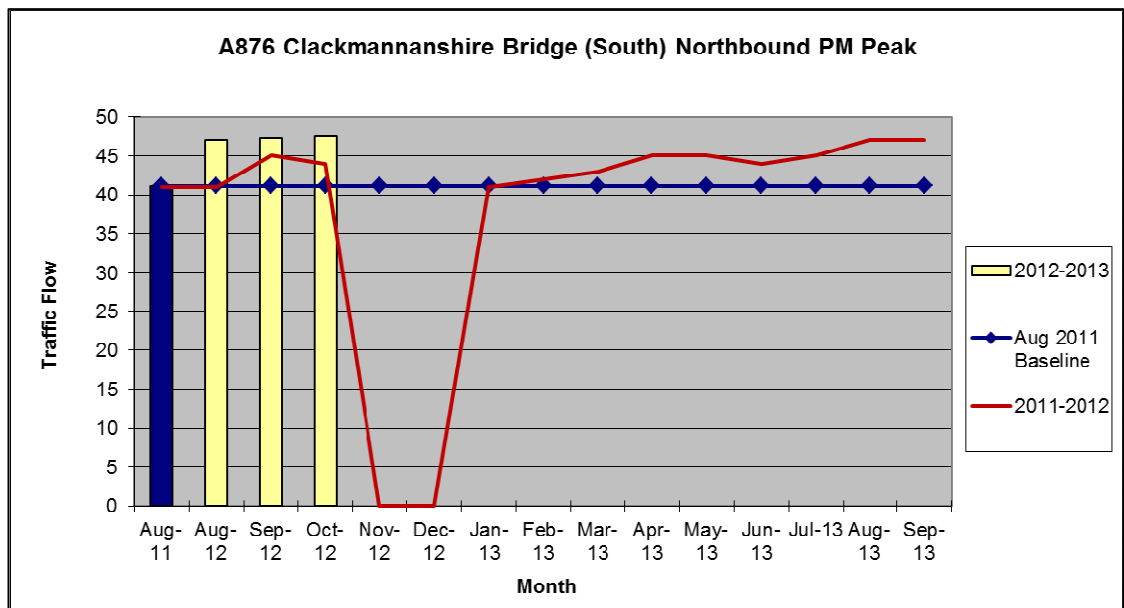


Figure 4-54 Monthly Northbound PM HGV Peak Flows on the A876 Clackmannanshire Bridge (South)

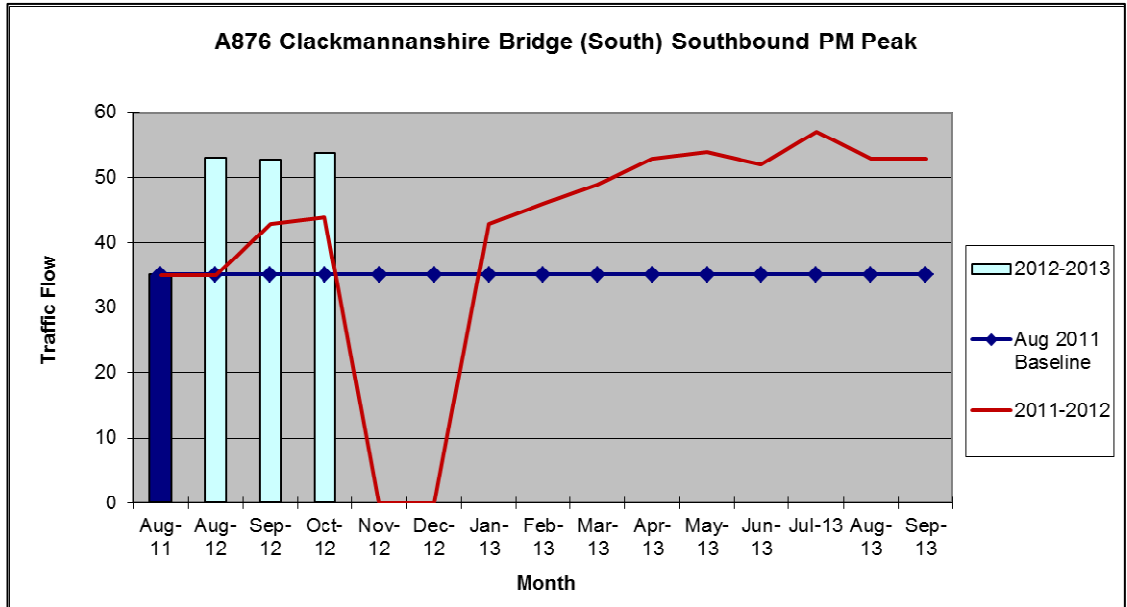


Figure 4-55 Monthly Southbound PM Peak HGV Flows on the A876 Clackmannanshire Bridge (South)

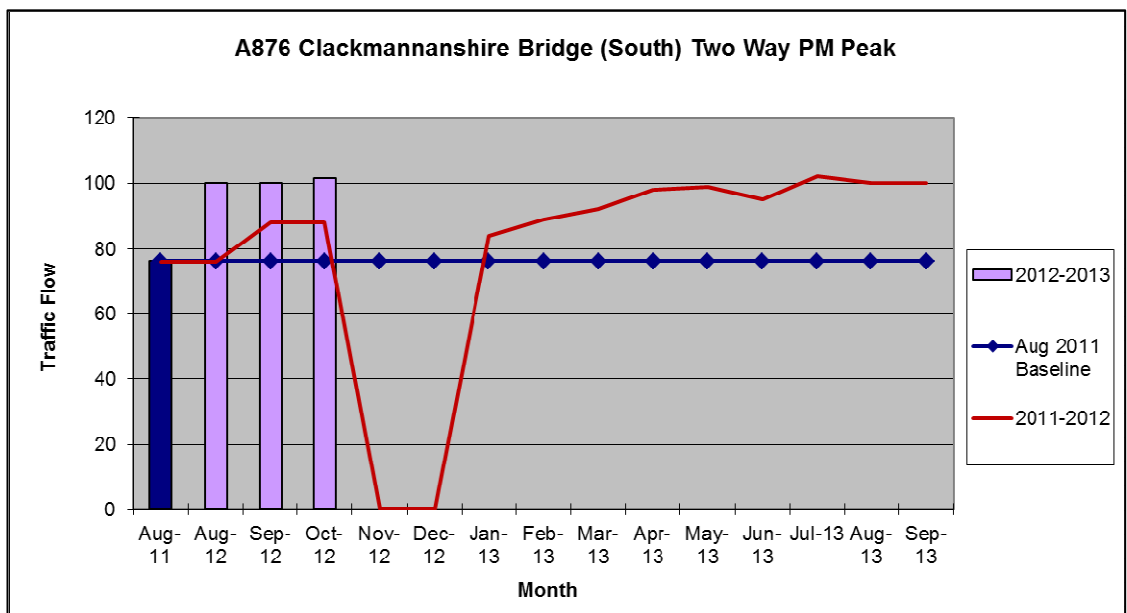
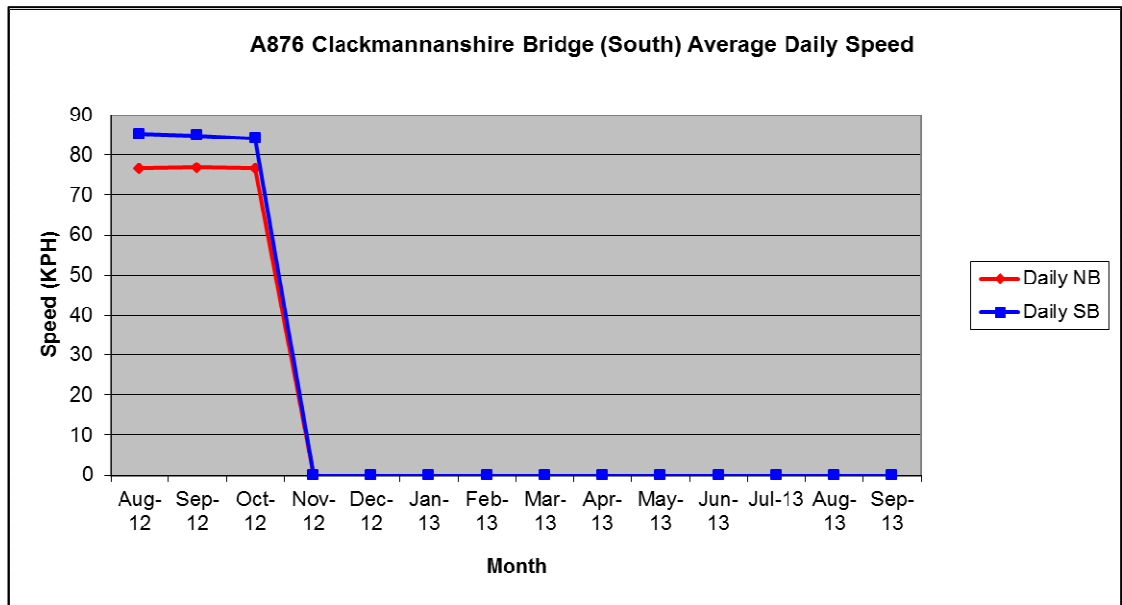


Figure 4-56 Monthly Two Way PM Peak HGV Flows on the A876 Clackmannanshire Bridge (South)

### 4.3.7 Monthly Average All Vehicles Traffic Speeds

**Table 4-21 Site: JTC00507 Average Monthly Traffic Speeds (KPH) (All Vehicles) – August 2012 to September 2013**

Counter	Location	Date	NB	SB
JTC00507	A876 Clackmannanshire Bridge (South)	Aug-12	77	85
		Sep-12	77	85
		Oct-12	77	84
		Nov-12	No Data	No Data
		Dec-12	No Data	No Data
		Jan-13	No Data	No Data
		Feb-13	No Data	No Data
		Mar-13	No Data	No Data
		Apr-13	No Data	No Data
		May-13	No Data	No Data
		Jun-13	No Data	No Data
		Jul-13	No Data	No Data
		Aug-13	No Data	No Data
		Sep-13	No Data	No Data



**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 2012 to September 2013

Counter	Location	Date	NB	SB	Two Way
JTC00573	A91	Aug-11	12,351	12,272	24,623
		Aug-12	12,110	11,993	24,104
		Sep-12	11,959	11,897	23,856
		Oct-12	11,872	11,795	23,667
		Nov-12	11,784	11,804	23,588
		Dec-12	10,925	10,881	21,805
		Jan-13	10,626	10,600	21,226
		Feb-13	11,658	11,612	23,271
		Mar-13	11,774	11,665	23,439
		Apr-13	11,904	11,853	23,757
		May-13	12,246	12,167	24,413
		Jun-13	12,062	11,813	23,875
		Jul-13	11,323	11,058	22,381
		Aug-13	12,177	11,959	24,136
		Sep-13	12,380	12,584	24,964
<b>Annual Average</b>			<b>11,687</b>	<b>11,595</b>	<b>23,282</b>

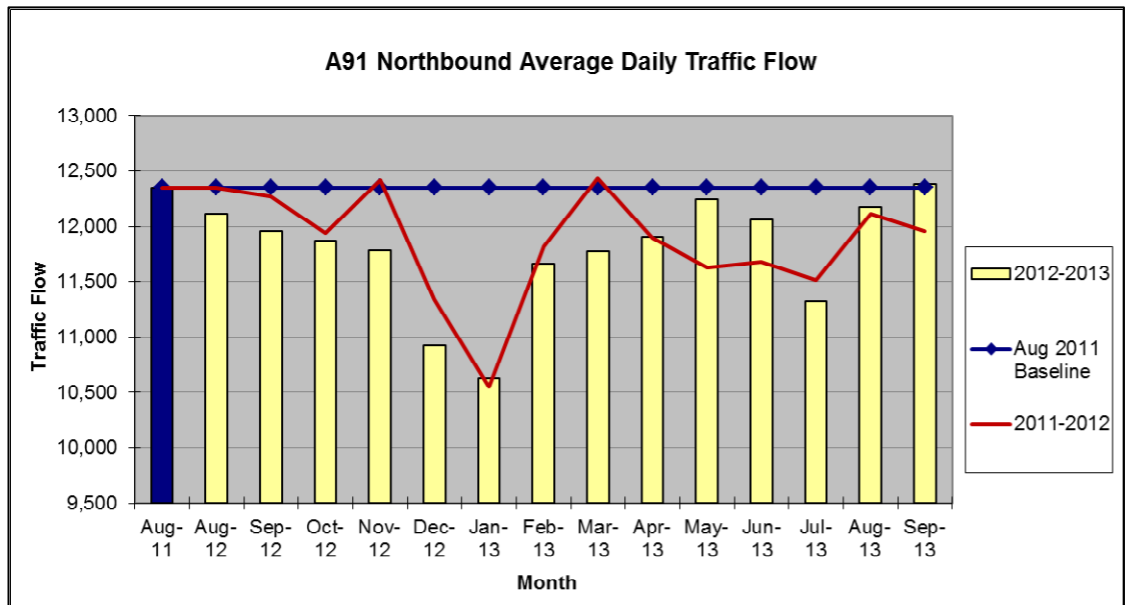


Figure 4-58 Monthly Northbound AADTs on the A91

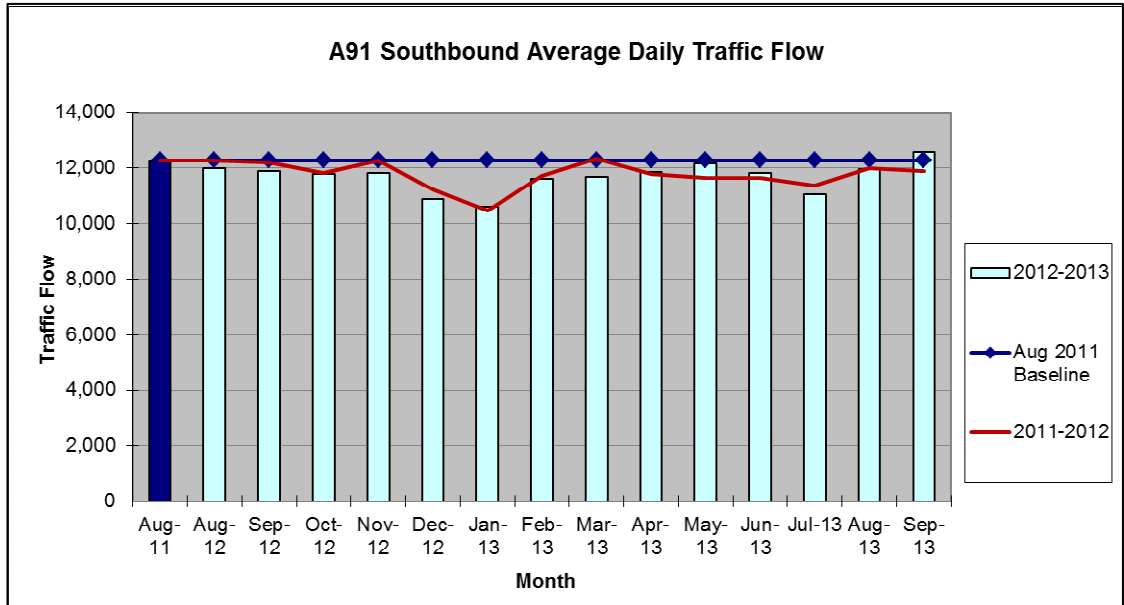


Figure 4-59 Monthly Southbound AADTs on the A91

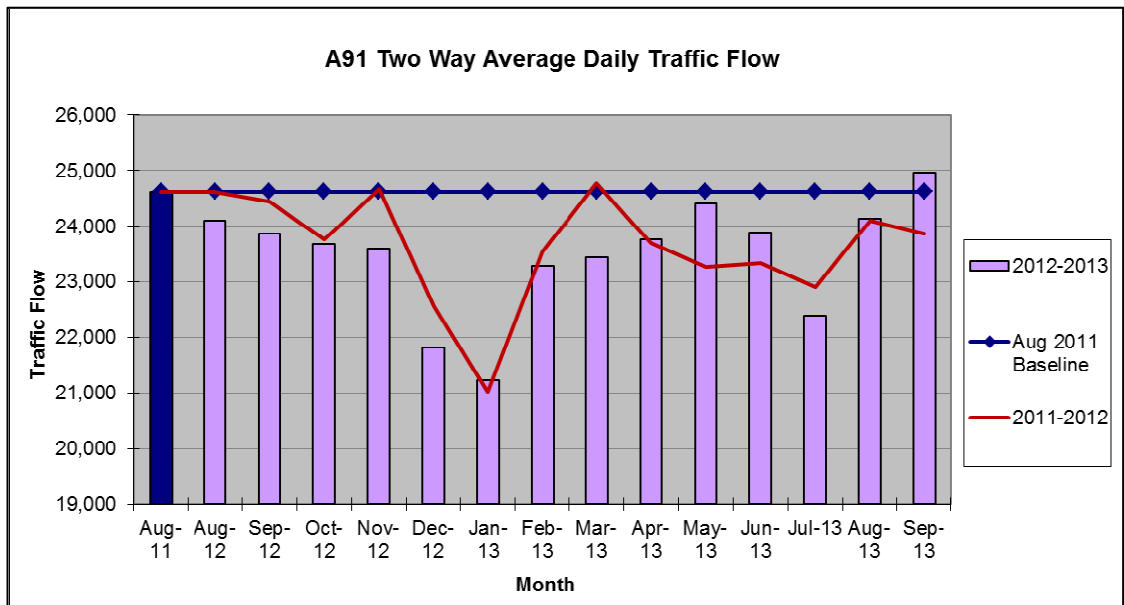


Figure 4-60 Monthly Two Way Daily Traffic Flows on the A91

### 4.4.2 Monthly Average AM Peak Traffic Flows

Table 4-23 Site: JTC00573 AM Peak Traffic Flows – August 2012 to September 2013

Counter	Location	Date	NB	SB	Two Way
JTC00573	A91	Aug-11	1,566	2,616	4,182
		Aug-12	1,626	2,573	4,199
		Sep-12	1,696	2,568	4,264
		Oct-12	1,703	2,581	4,284
		Nov-12	1,312	2,134	3,446
		Dec-12	1,267	2,088	3,355
		Jan-13	1,496	2,356	3,851
		Feb-13	1,685	2,571	4,255
		Mar-13	1,693	2,560	4,254
		Apr-13	1,665	2,564	4,229
		May-13	1,743	2,703	4,446
		Jun-13	1,678	2,551	4,229
		Jul-13	1,493	2,307	3,800
		Aug-13	1,634	2,465	4,099
		Sep-13	1,788	2,729	4,517
		<b>Annual Average</b>			<b>1,588</b>

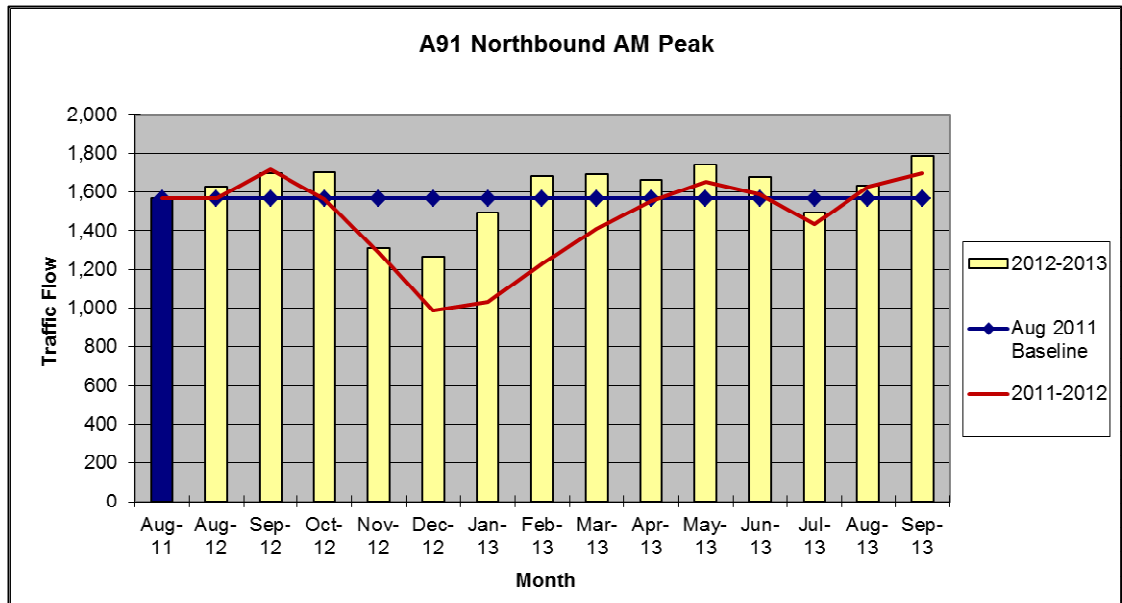


Figure 4-61 Monthly Northbound AM Peak Flows on the A91

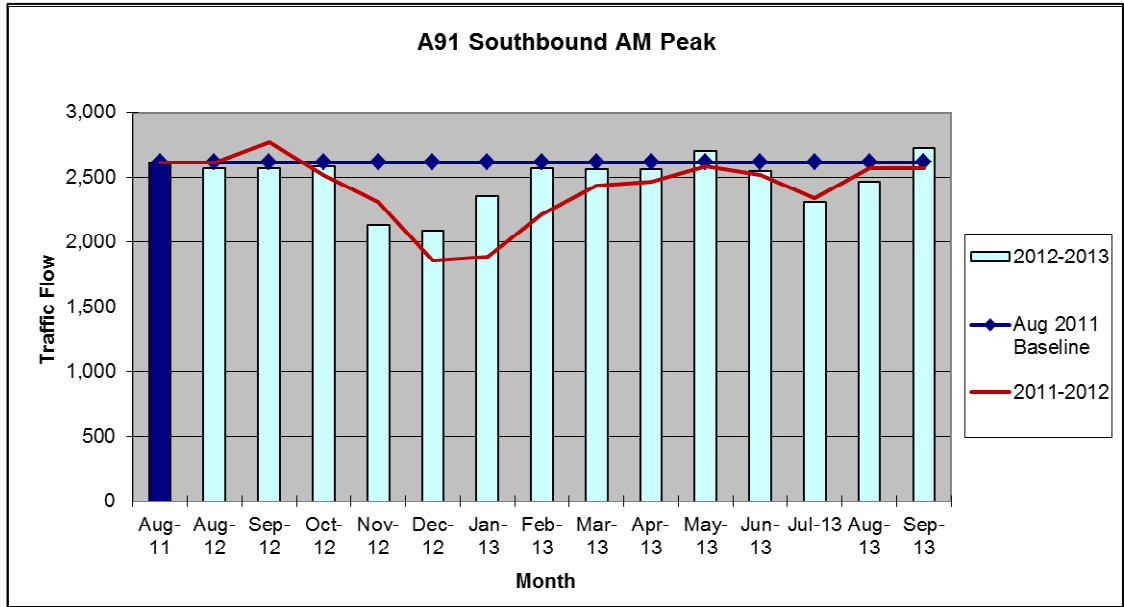


Figure 4-62 Monthly Southbound AM Peak Flows on the A91

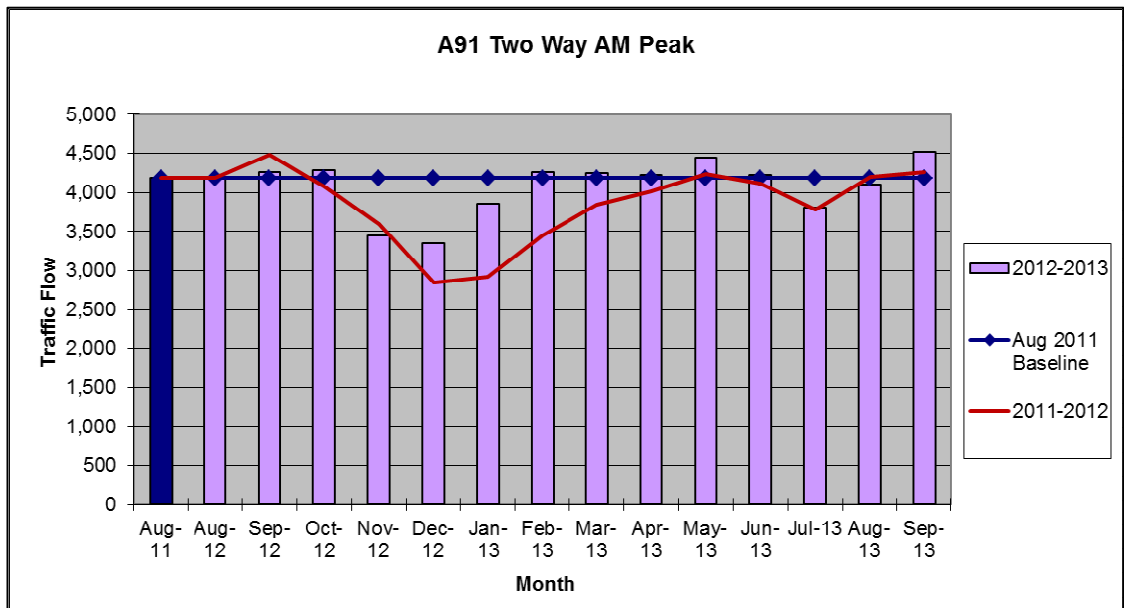


Figure 4-63 Monthly Two Way AM Peak Flows on the A91



### 4.4.3 Monthly Average PM Peak Traffic Flows

Table 4-24 Site: JTC00573 PM Peak Traffic Flows – August 2012 to September 2013

Counter	Location	Date	NB	SB	Two Way
JTC00573	A91	Aug-11	3,373	2,416	5,788
		Aug-12	3,242	2,391	5,633
		Sep-12	3,153	2,386	5,538
		Oct-12	3,191	2,406	5,597
		Nov-12	3,300	2,582	5,882
		Dec-12	2,763	1,999	4,762
		Jan-13	2,868	2,078	4,946
		Feb-13	3,119	2,348	5,468
		Mar-13	3,089	2,316	5,405
		Apr-13	3,179	2,390	5,569
		May-13	3,295	2,452	5,747
		Jun-13	3,167	2,361	5,528
		Jul-13	2,993	2,183	5,177
		Aug-13	3,222	2,440	5,662
		Sep-13	3,316	2,608	5,924
<b>Annual Average</b>			<b>3,113</b>	<b>2,324</b>	<b>5,438</b>

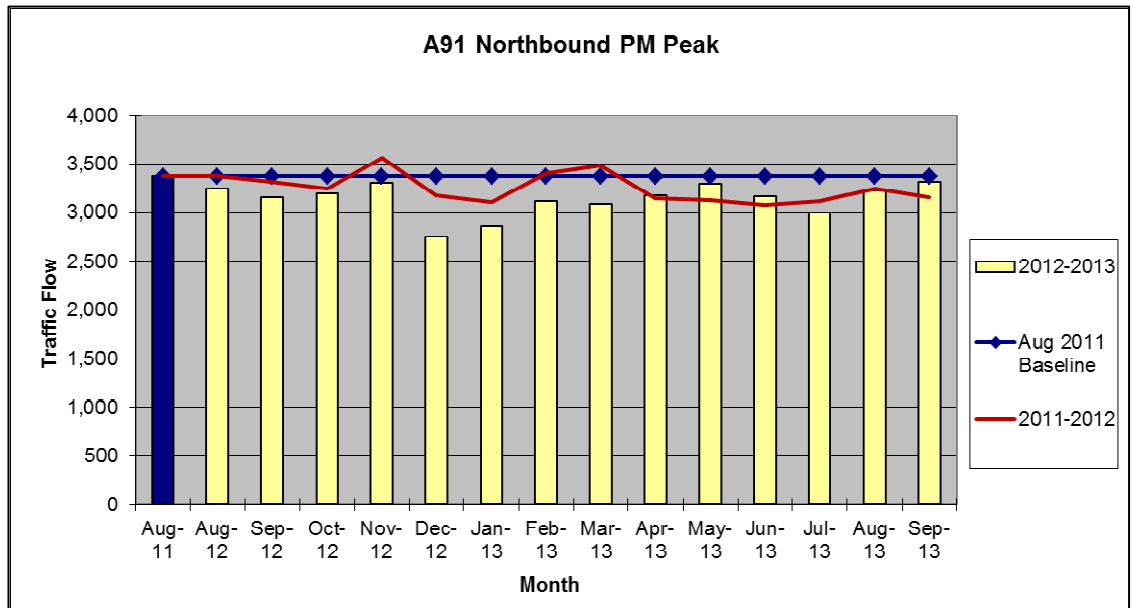


Figure 4-64 Monthly Northbound PM Peak Flows on the A91

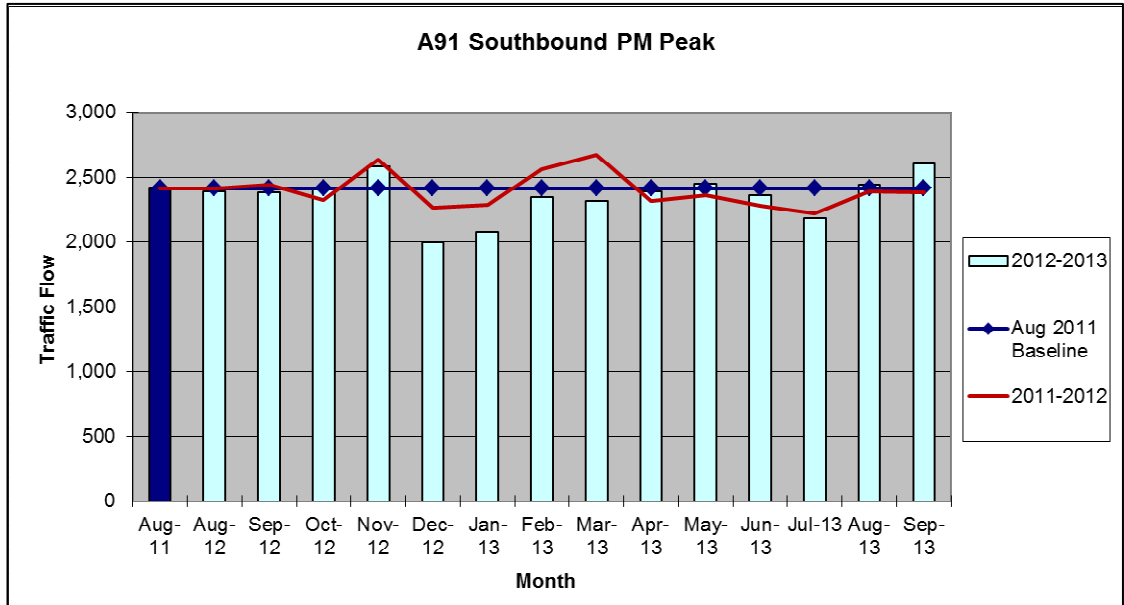


Figure 4-65 Monthly Southbound PM Peak Flows on the A91

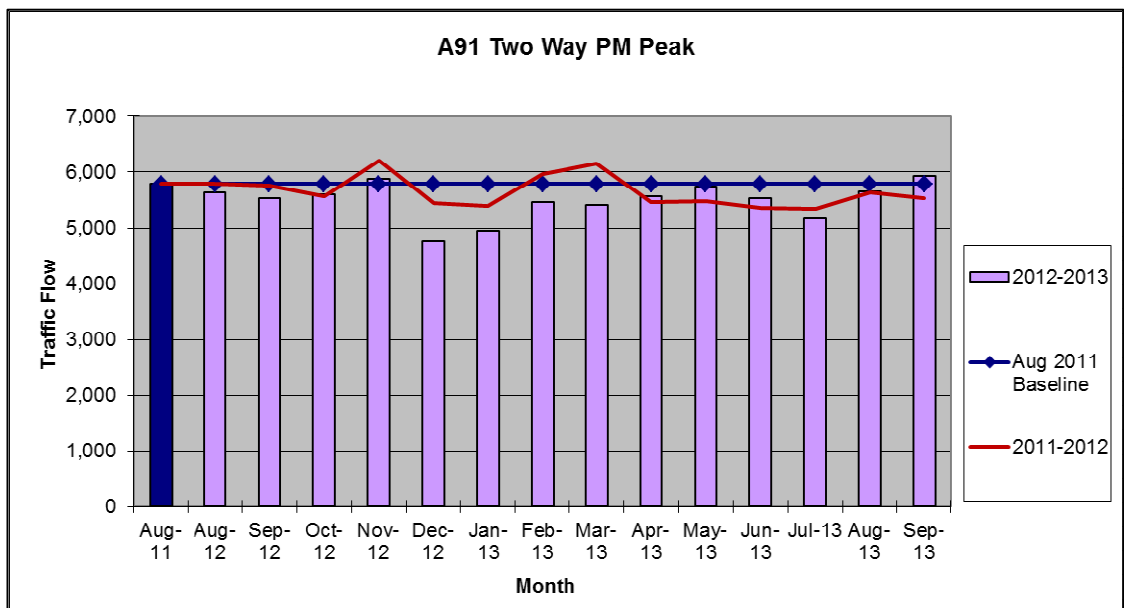


Figure 4-66 Monthly Two Way PM Peak Flows on the A91

#### 4.4.4 Monthly Average HGV Flows

Table 4-25 Site: JTC00573 Annual HGV Traffic Flows – August 2012 to September 2013

Counter	Location	Date	NB	SB	Two Way
JTC00573	A91	Aug-11	161	160	321
		Aug-12	164	166	331
		Sep-12	155	160	314
		Oct-12	168	175	342
		Nov-12	155	165	320
		Dec-12	127	127	253
		Jan-13	160	164	324
		Feb-13	177	180	357
		Mar-13	172	172	344
		Apr-13	171	168	339
		May-13	174	172	346
		Jun-13	157	155	312
		Jul-13	155	157	312
		Aug-13	161	160	322
		Sep-13	170	177	348
<b>Annual Average</b>			<b>161</b>	<b>163</b>	<b>325</b>

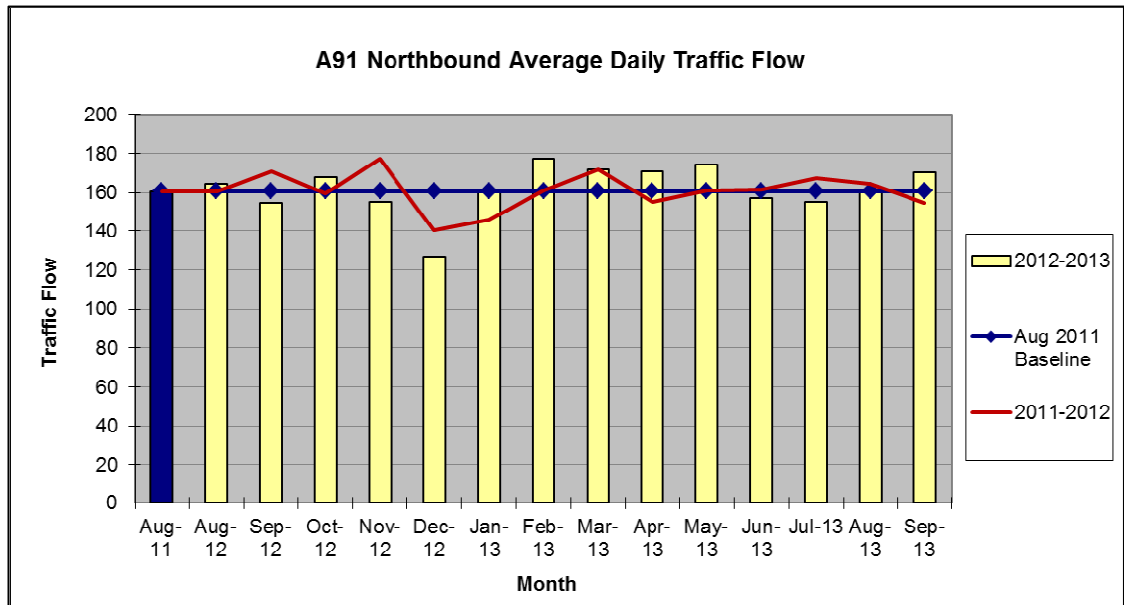


Figure 4-67 Monthly Northbound HGV Flows on the A91

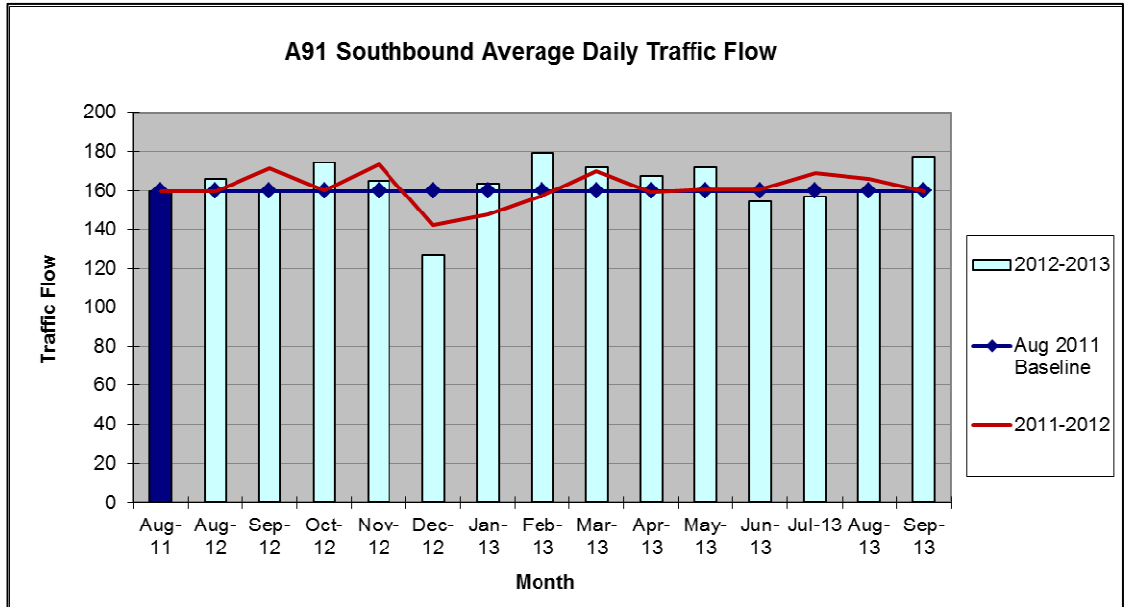


Figure 4-68 Monthly Southbound HGV Flows on the A91

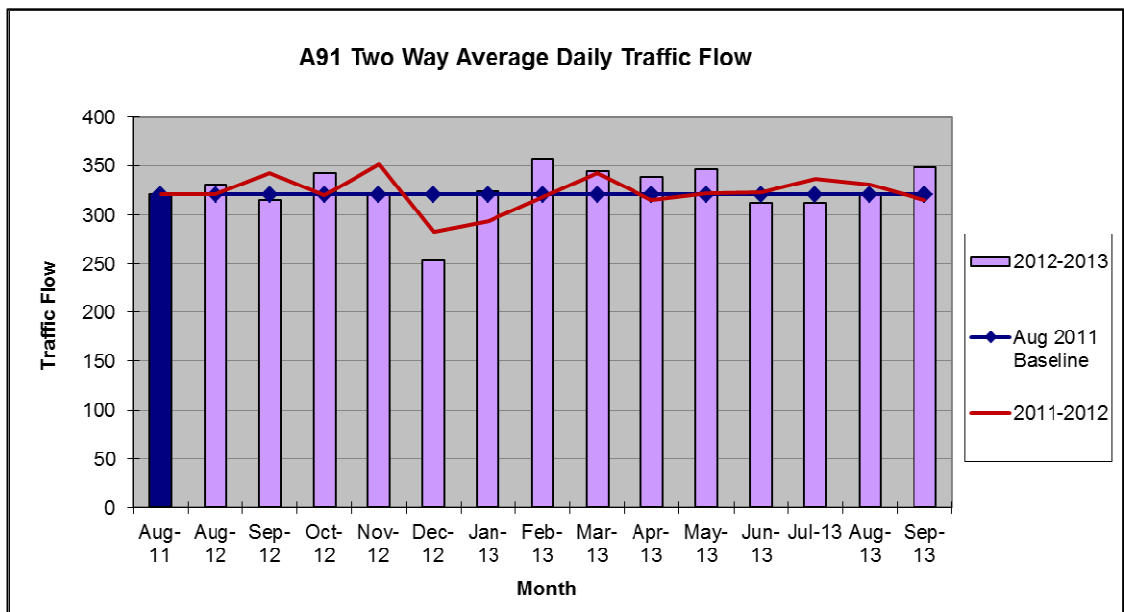


Figure 4-69 Monthly Two Way HGV Flows on the A91

### 4.4.5 Monthly Average AM Peak HGV Flows

Table 4-26 Site: JTC00573 AM Peak HGV Traffic Flows – August 2012 to September 2013

Counter	Location	Date	NB	SB	Two Way
JTC00573	A91	Aug-11	38	30	68
		Aug-12	39	32	71
		Sep-12	39	33	72
		Oct-12	42	36	78
		Nov-12	36	35	71
		Dec-12	32	26	57
		Jan-13	41	33	74
		Feb-13	45	35	80
		Mar-13	43	36	80
		Apr-13	45	36	80
		May-13	44	36	79
		Jun-13	43	32	75
		Jul-13	37	27	64
		Aug-13	39	30	69
		Sep-13	41	36	77
<b>Annual Average</b>			<b>41</b>	<b>33</b>	<b>73</b>

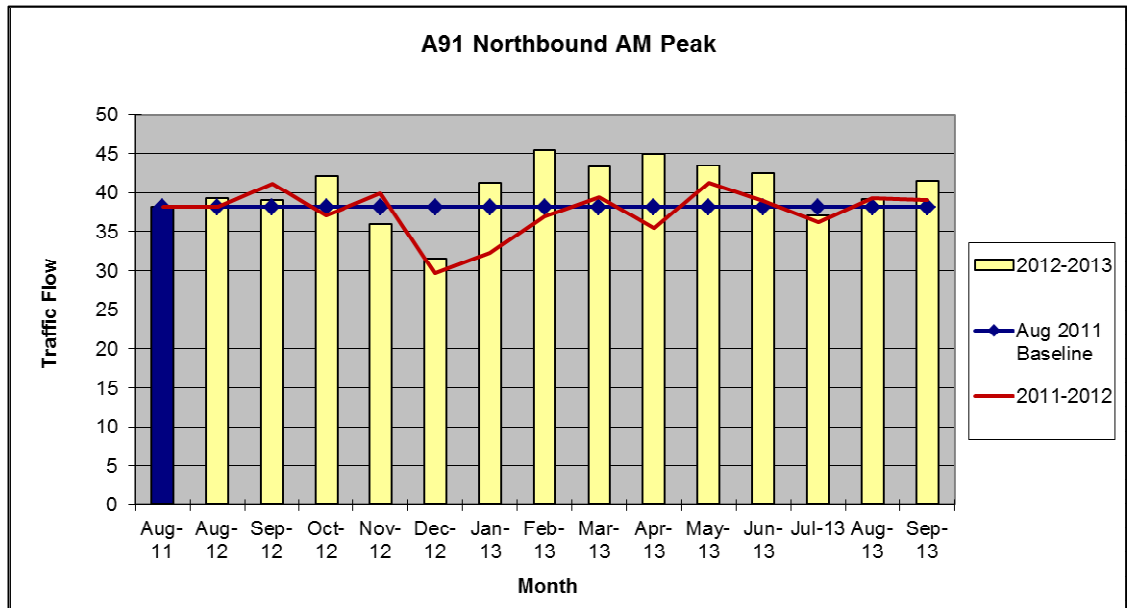


Figure 4-70 Monthly Northbound AM Peak HGV Flows on the A91

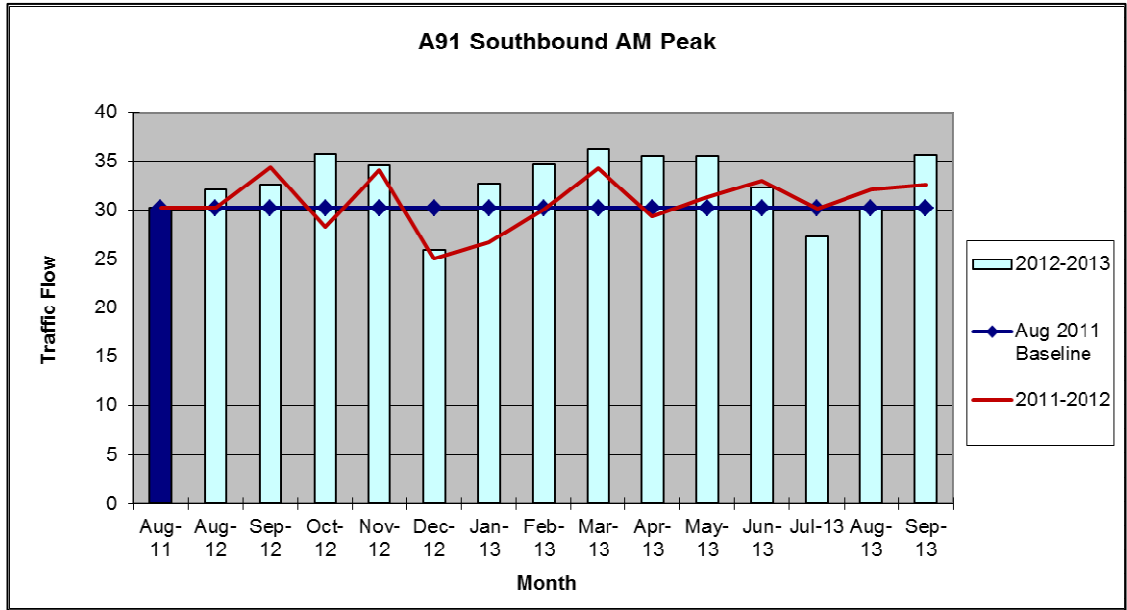


Figure 4-71 Monthly Southbound AM Peak HGV Flows on the A91

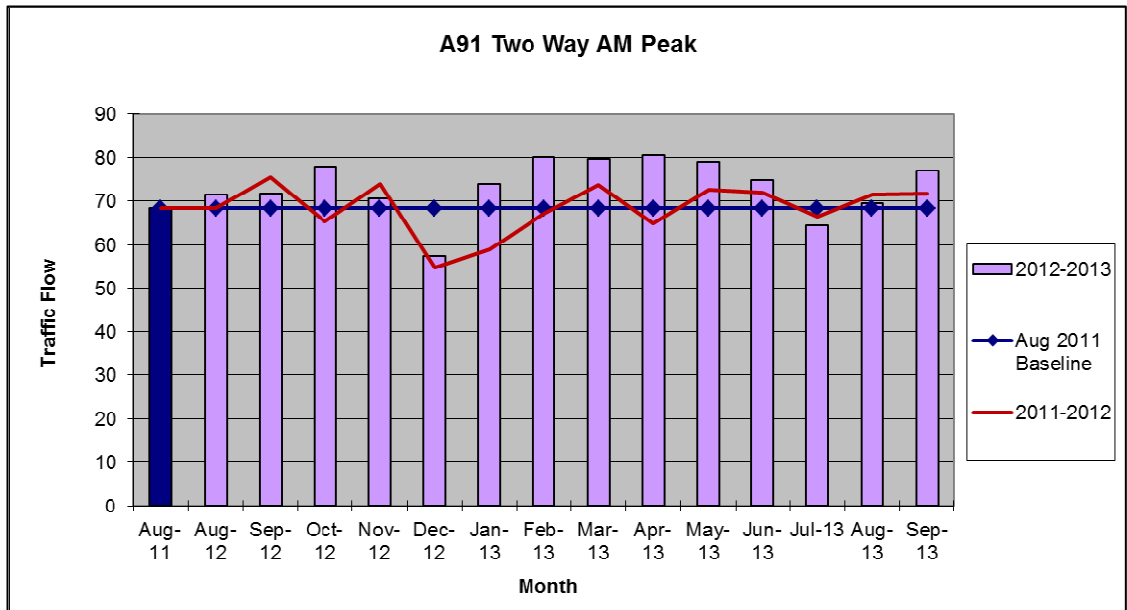


Figure 4-72 Monthly Two Way AM Peak HGV Flows on the A91

### 4.4.6 Monthly Average PM Peak HGV Flows

Table 4-27 Site: JTC00573 PM Peak HGV Traffic Flows – August 2012 to September 2013

Counter	Location	Date	NB	SB	Two Way
JTC00573	A91	Aug-11	22	21	43
		Aug-12	22	23	45
		Sep-12	20	22	42
		Oct-12	22	24	45
		Nov-12	25	26	50
		Dec-12	17	17	34
		Jan-13	20	21	41
		Feb-13	24	25	49
		Mar-13	24	21	44
		Apr-13	22	23	45
		May-13	21	21	42
		Jun-13	19	19	38
		Jul-13	20	20	40
		Aug-13	19	21	40
		Sep-13	27	22	49
<b>Annual Average</b>			<b>21</b>	<b>22</b>	<b>43</b>

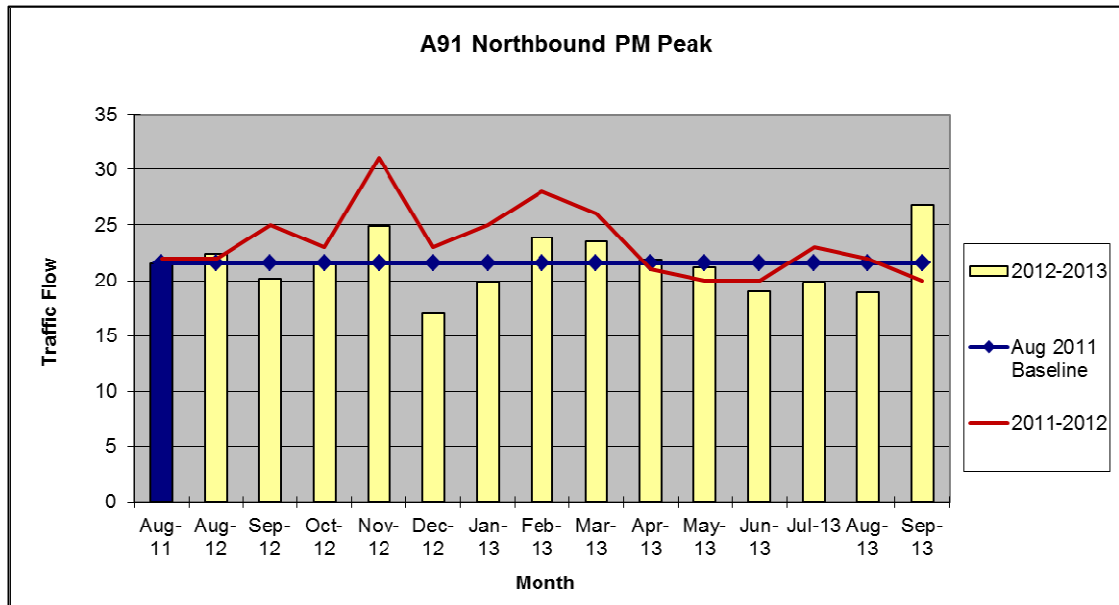


Figure 4-73 Monthly Northbound PM HGV Peak Flows on the A91

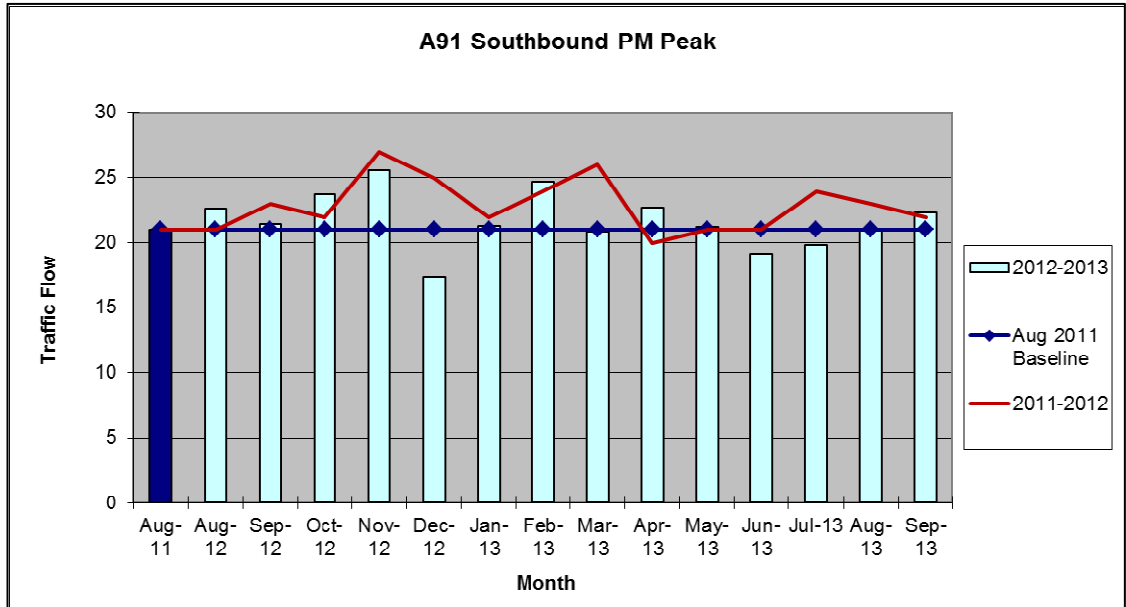


Figure 4-74 Monthly Southbound PM Peak HGV Flows on the A91

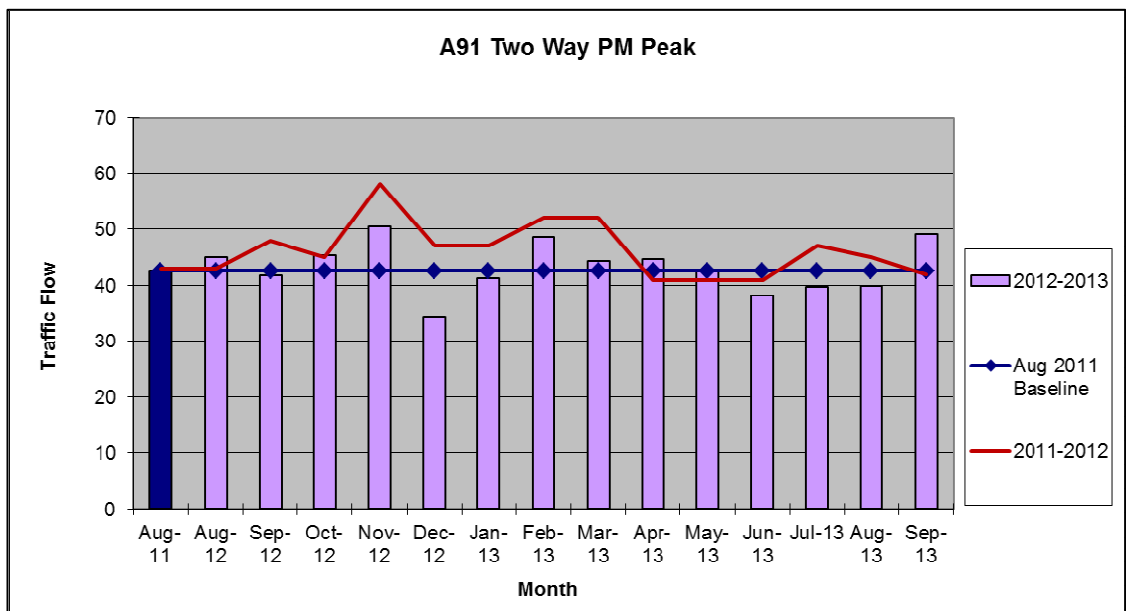


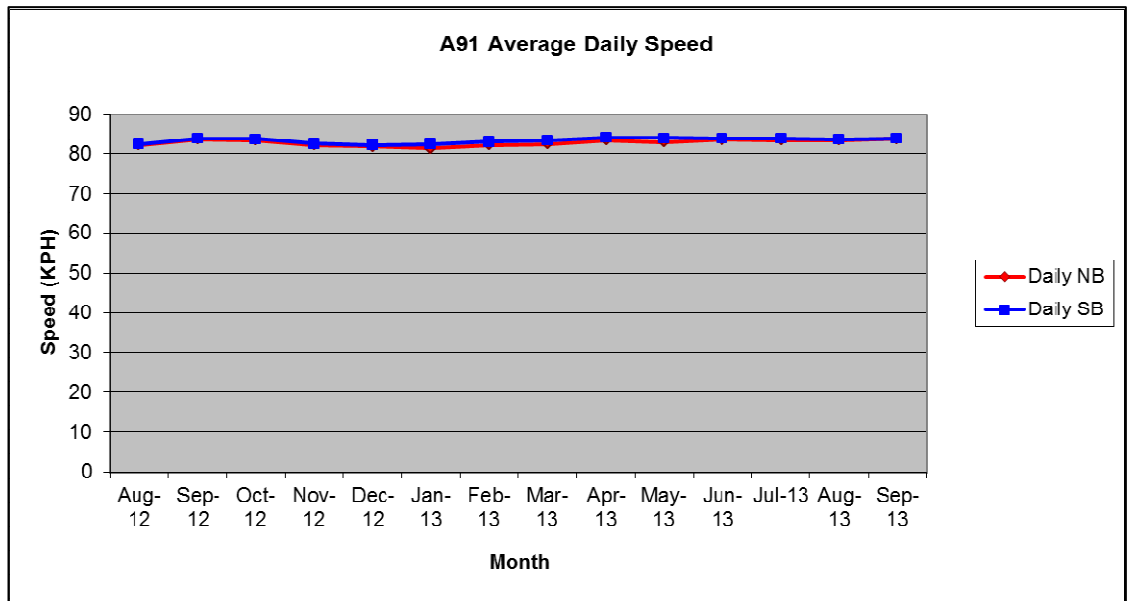
Figure 4-75 Monthly Two Way PM Peak HGV Flows on the A91



### 4.4.7 Monthly Average All Vehicles Traffic Speeds

**Table 4-28 Site: JTC00573 Average Monthly Traffic Speeds (KPH) (All Vehicles) – August 2012 to September 2013**

Counter	Location	Date	NB	SB
JTC00573	A91	Aug-12	82	82
		Sep-12	84	84
		Oct-12	83	84
		Nov-12	82	82
		Dec-12	82	82
		Jan-13	81	82
		Feb-13	82	83
		Mar-13	82	83
		Apr-13	83	84
		May-13	83	84
		Jun-13	83	84
		Jul-13	83	84
		Aug-13	83	84
Sep-13	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 2012 to September 2013

Counter	Location	Date	EB	WB	Two Way
JTC00574	A921 Admiralty Road (Inverkeithing)	Aug-11	10,523	11,150	21,674
		Aug-12	11,248	11,526	22,774
		Sep-12	10,569	10,631	21,200
		Oct-12	9,544	9,597	19,141
		Nov-12	No Data	No Data	No Data
		Dec-12	6,009	5,705	11,714
		Jan-13	1,035	1,046	2,080
		Feb-13	1,690	1,741	3,431
		Mar-13	7,005	6,997	14,003
		Apr-13	10,613	10,792	21,405
		May-13	10,969	11,052	22,021
		Jun-13	10,963	11,113	22,076
		Jul-13	10,912	11,029	21,941
		Aug-13	11,116	11,100	22,216
		Sep-13	10,548	10,572	21,120
			<b>Annual Average</b>		<b>8,233</b>

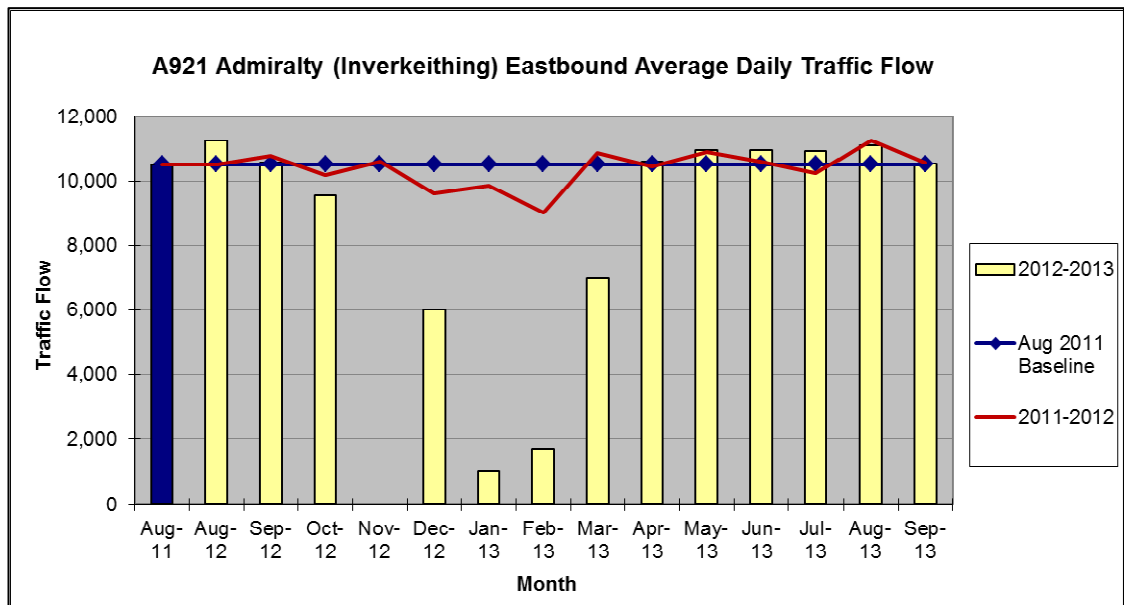


Figure 4-77 Monthly Eastbound AADTs on the A921 Admiralty Road (Inverkeithing)

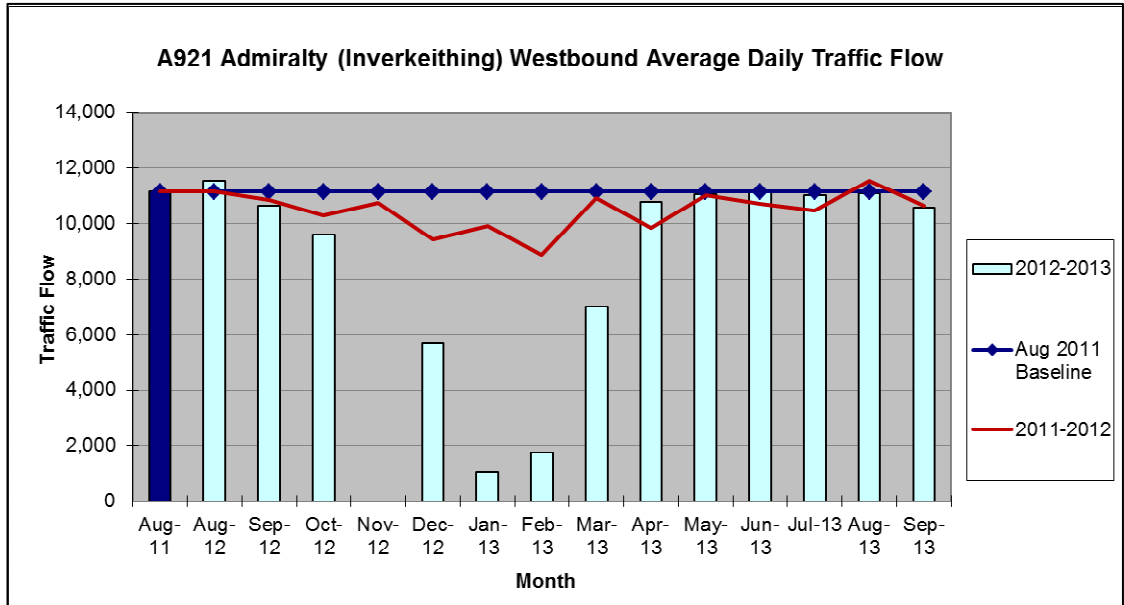


Figure 4-78 Monthly Westbound AADTs on the A921 Admiralty Road (Inverkeithing)

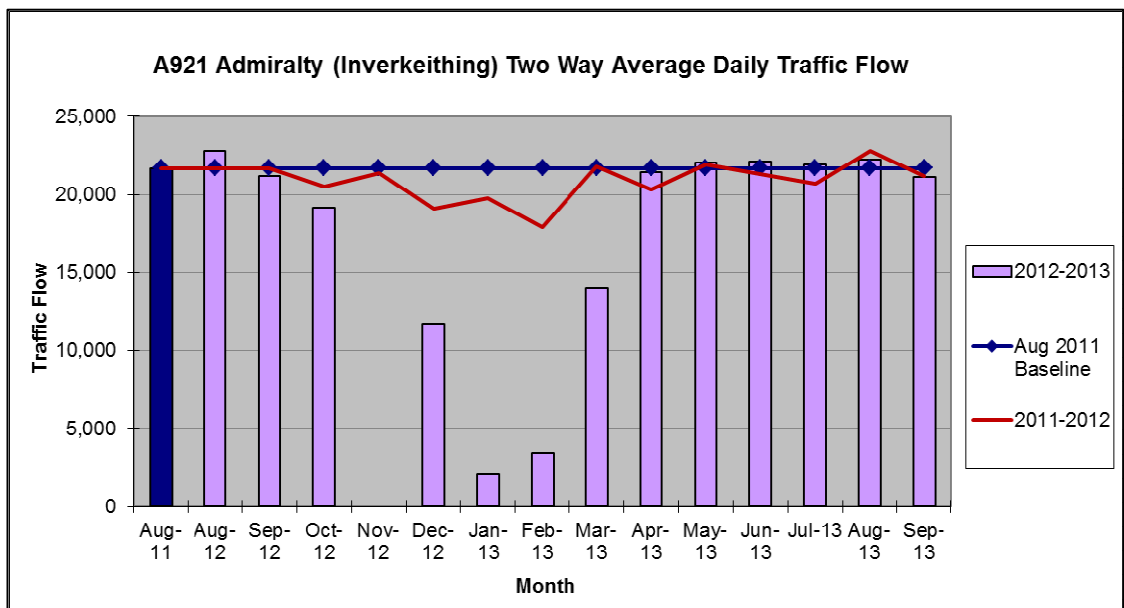


Figure 4-79 Monthly Two Way Daily Traffic Flows on the A921 Admiralty Road (Inverkeithing)

### 4.5.2 Monthly Average AM Peak Traffic Flows

Table 4-30 Site: JTC00574 AM Peak Traffic Flows – August 2012 to September 2013

Counter	Location	Date	EB	WB	Two Way
JTC00574	A921 Admiralty Road (Inverkeithing)	Aug-11	1,620	2,210	3,829
		Aug-12	1,796	2,291	4,087
		Sep-12	1,717	2,185	3,901
		Oct-12	1,579	1,995	3,574
		Nov-12	No Data	No Data	No Data
		Dec-12	654	855	1,509
		Jan-13	No Data	No Data	No Data
		Feb-13	41	51	92
		Mar-13	822	1,056	1,878
		Apr-13	1,743	2,206	3,949
		May-13	1,851	2,313	4,164
		Jun-13	1,761	2,236	3,997
		Jul-13	1,632	2,093	3,725
		Aug-13	1,868	2,096	3,964
		Sep-13	2,057	2,049	4,106
	<b>Annual Average</b>		<b>1,359</b>	<b>1,728</b>	<b>3,087</b>

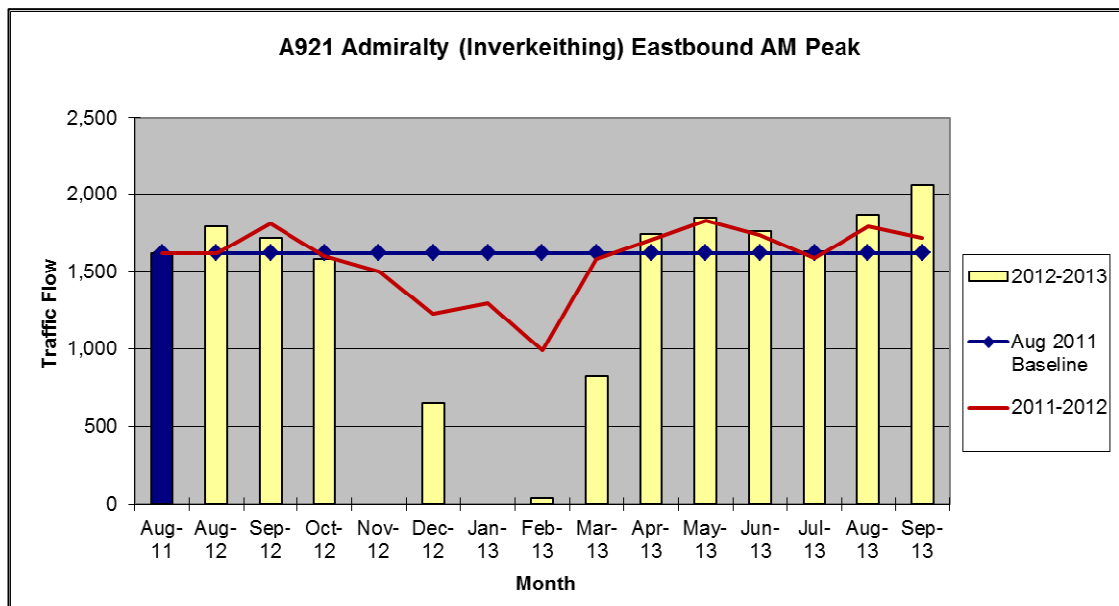


Figure 4-80 Monthly Eastbound AM Peak Flows on the A921 Admiralty Road (Inverkeithing)

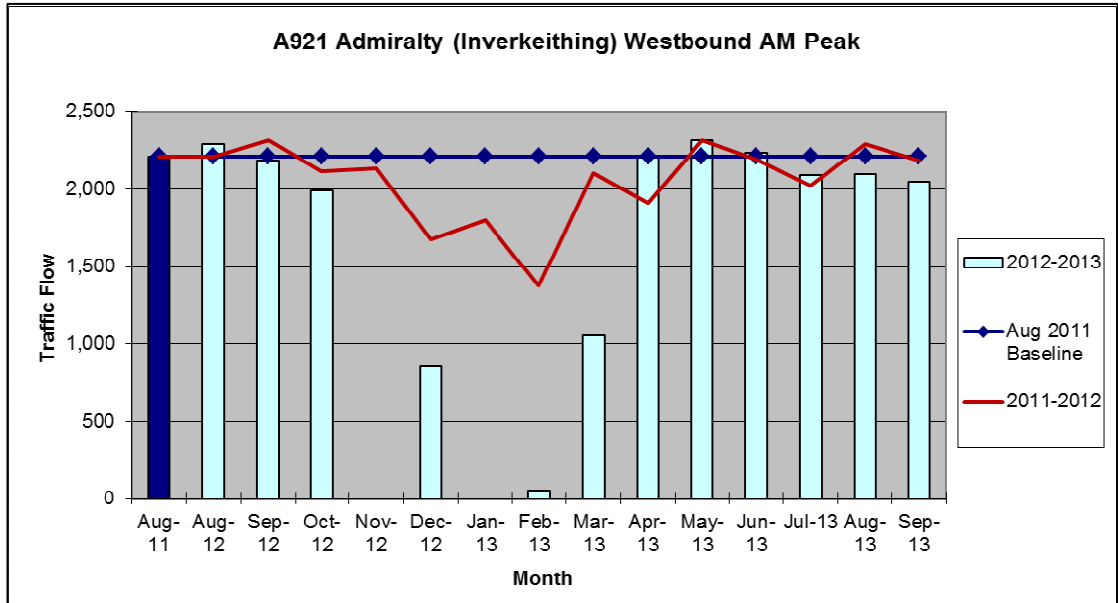


Figure 4-81 Monthly Westbound AM Peak Flows on the A921 Admiralty Road (Inverkeithing)

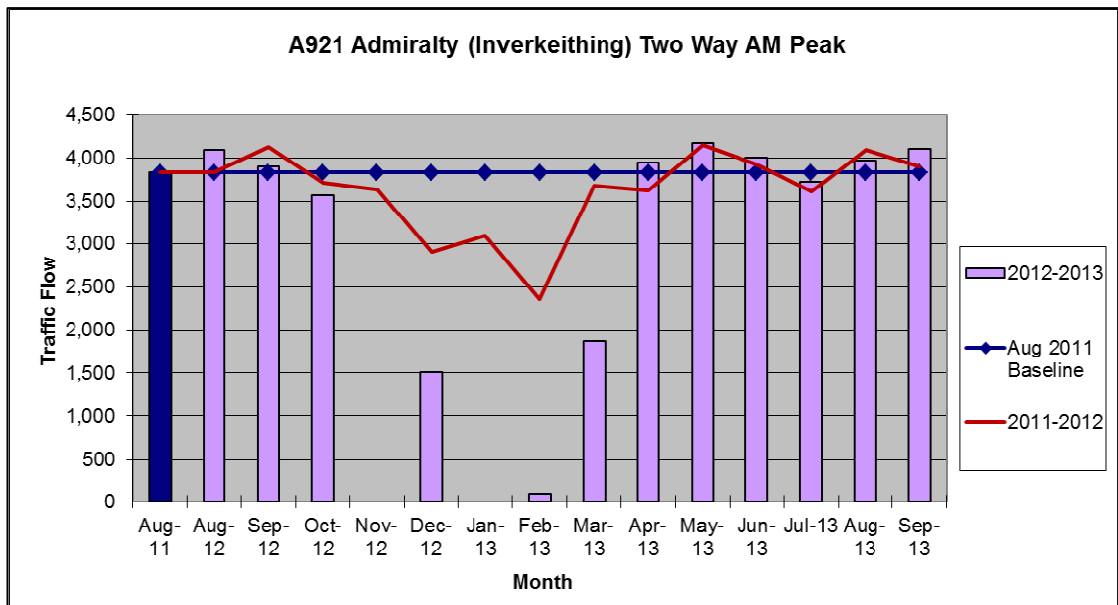


Figure 4-82 Monthly Two Way AM Peak Flows on the A921 Admiralty Road (Inverkeithing)

4.5.3 Monthly Average PM Peak Traffic Flows

Table 4-31 Site: JTC00574 PM Peak Traffic Flows – August 2012 to September 2013

Counter	Location	Date	EB	WB	Two Way
JTC00574	A921 Admiralty Road (Inverkeithing)	Aug-11	2,728	2,425	5,153
		Aug-12	2,857	2,529	5,386
		Sep-12	2,706	2,291	4,997
		Oct-12	2,481	2,060	4,541
		Nov-12	No Data	No Data	No Data
		Dec-12	1,984	1,671	3,655
		Jan-13	No Data	No Data	No Data
		Feb-13	141	127	268
		Mar-13	1,769	1,526	3,296
		Apr-13	2,736	2,318	5,054
		May-13	2,821	2,372	5,193
		Jun-13	2,778	2,400	5,178
		Jul-13	2,702	2,515	5,217
		Aug-13	1,737	1,465	3,202
		Sep-13	677	540	1,217
	<b>Annual Average</b>		<b>2,089</b>	<b>1,801</b>	<b>3,890</b>

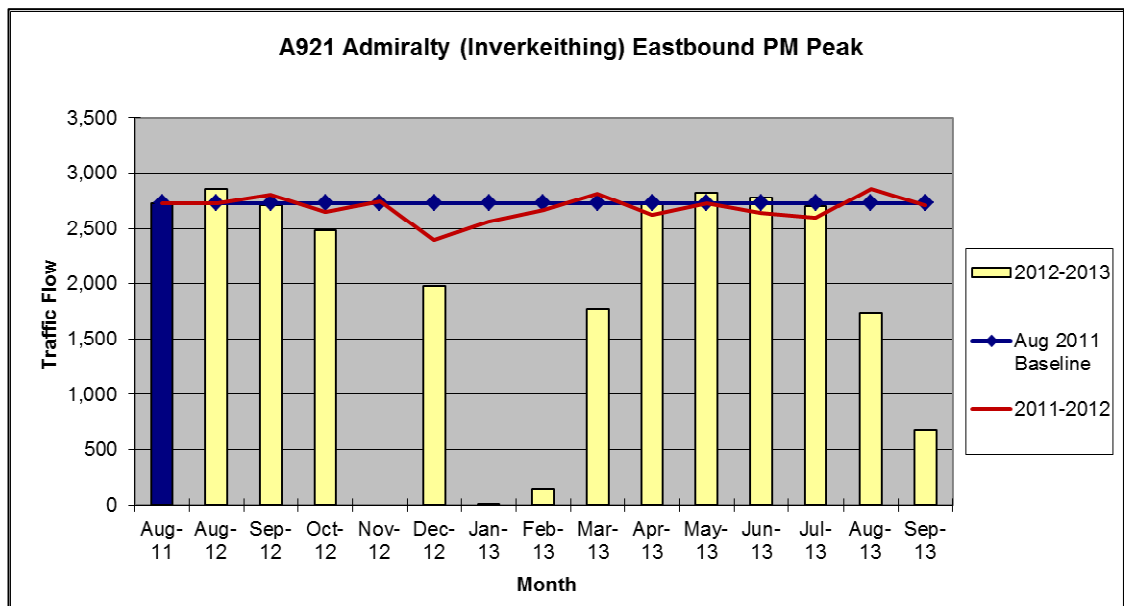


Figure 4-83 Monthly Eastbound PM Peak Flows on the A921 Admiralty Road (Inverkeithing)

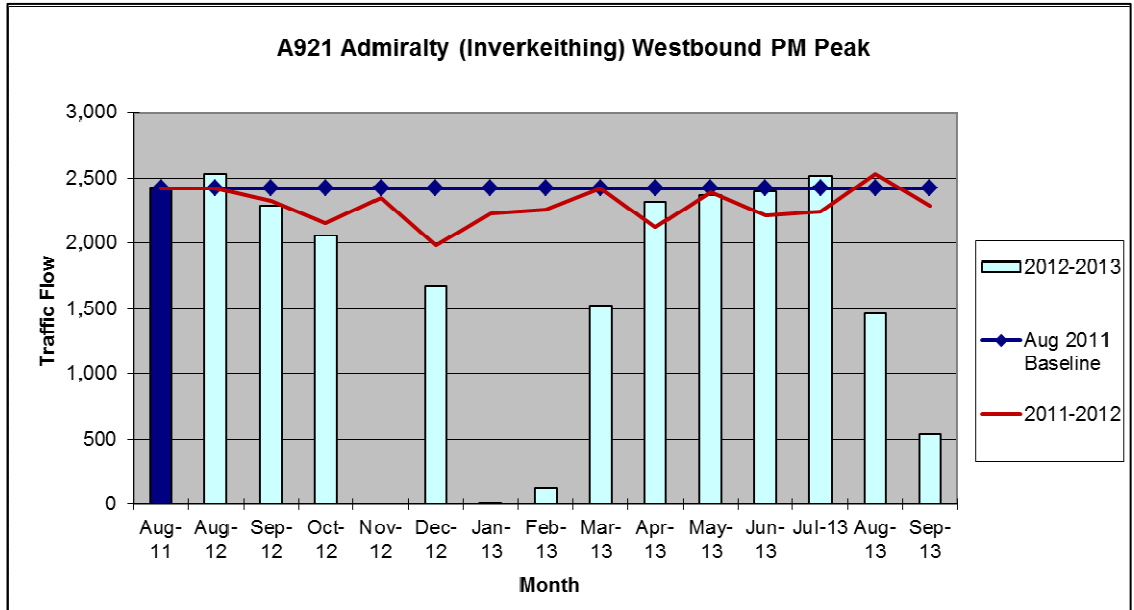


Figure 4-84 Monthly Westbound PM Peak Flows on the A921 Admiralty Road (Inverkeithing)

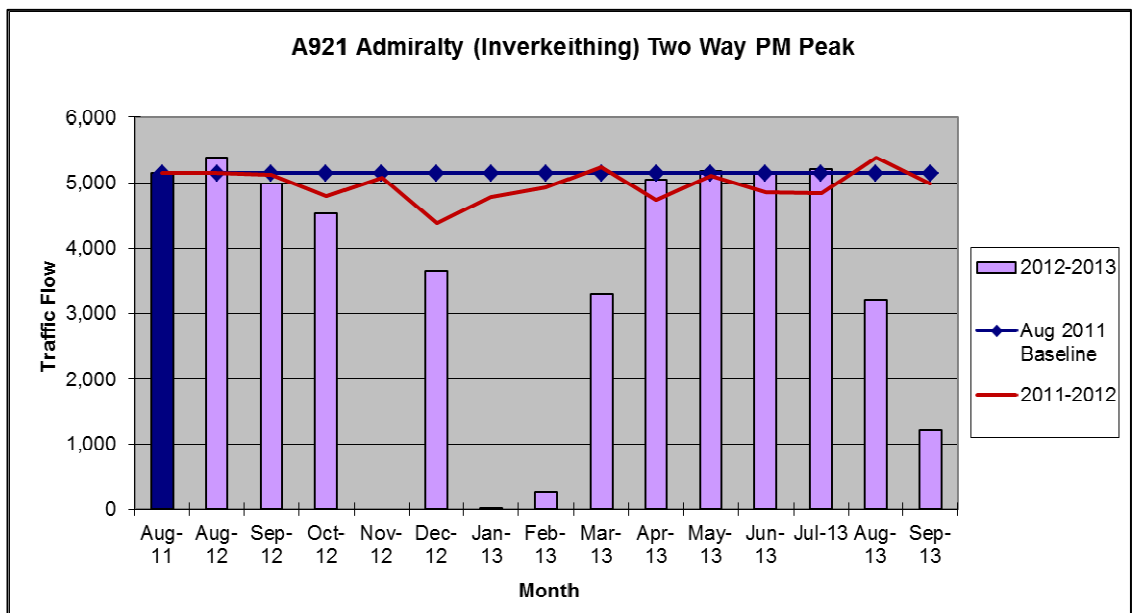


Figure 4-85 Monthly Two Way PM Peak Flows on the A921 Admiralty Road (Inverkeithing)

#### 4.5.4 Monthly Average HGV Flows

Table 4-32 Site: JTC00574 Annual HGV Traffic Flows – August 2012 to September 2013

Counter	Location	Date	EB	WB	Two Way
JTC00574	A921 Admiralty Road (Inverkeithing)	Aug-11	126	127	252
		Aug-12	172	170	343
		Sep-12	186	181	367
		Oct-12	149	142	291
		Nov-12	No Data	No Data	No Data
		Dec-12	84	88	172
		Jan-13	11	13	24
		Feb-13	26	25	50
		Mar-13	103	102	205
		Apr-13	141	133	273
		May-13	114	106	219
		Jun-13	117	110	226
		Jul-13	106	97	203
		Aug-13	116	110	226
		Sep-13	113	105	218
		<b>Annual Average</b>	<b>110</b>	<b>106</b>	<b>216</b>

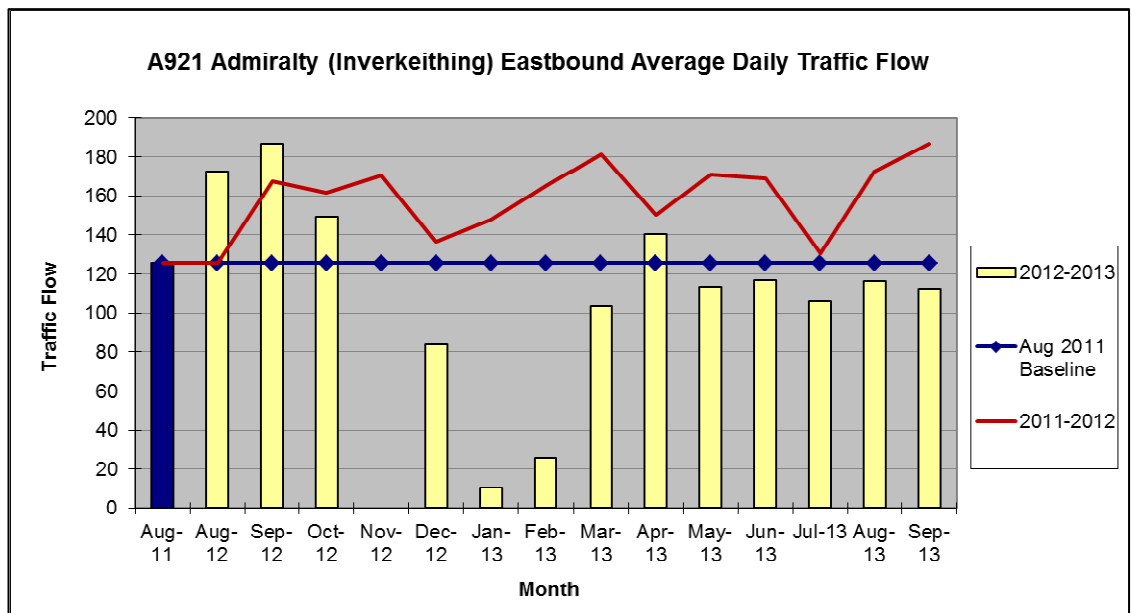


Figure 4-86 Monthly Eastbound HGV Flows on the A921 Admiralty Road (Inverkeithing)



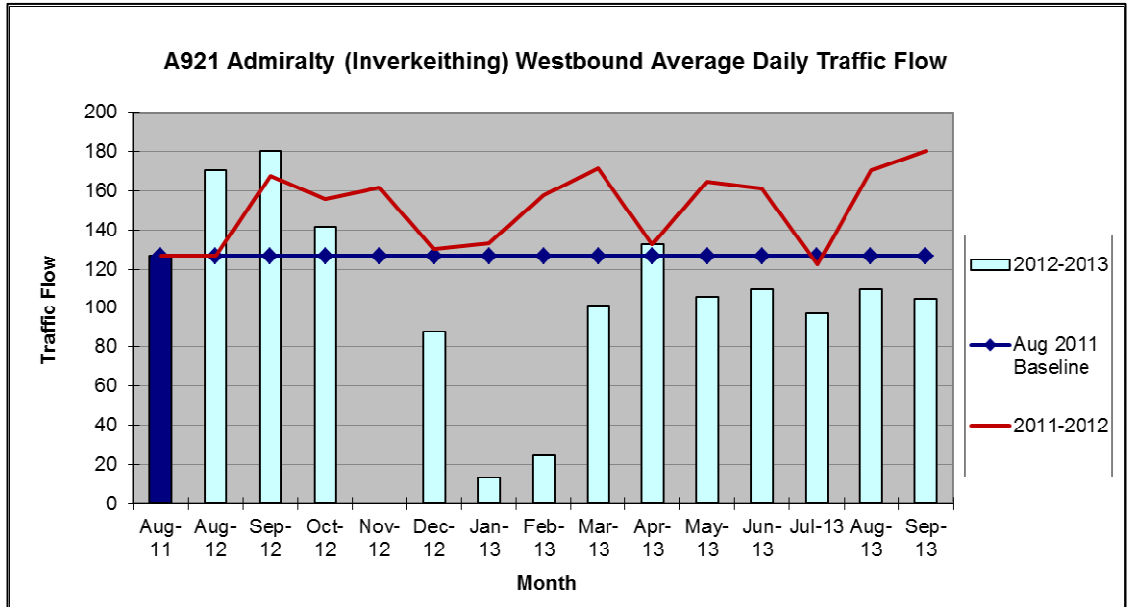


Figure 4-87 Monthly Westbound HGV Flows on the A921 Admiralty Road (Inverkeithing)

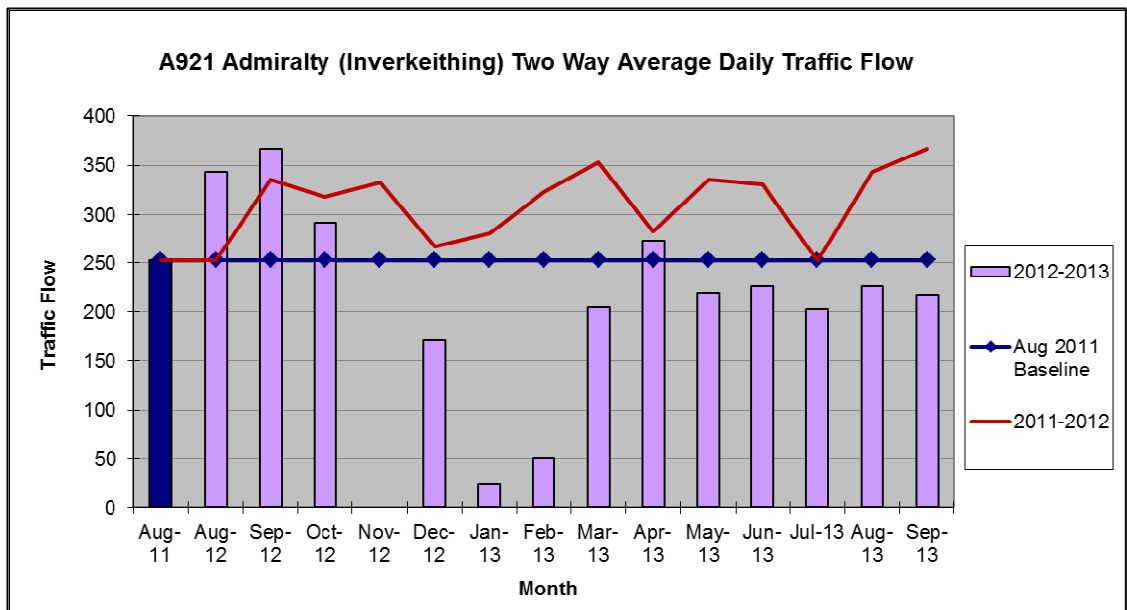


Figure 4-88 Monthly Two Way HGV Flows on the A921 Admiralty Road (Inverkeithing)

### 4.5.5 Monthly Average AM Peak HGV Flows

Table 4-33 Site: JTC00574 AM Peak HGV Traffic Flows – August 2012 to September 2013

Counter	Location	Date	EB	WB	Two Way
JTC00574	A921 Admiralty Road (Inverkeithing)	Aug-11	30	32	62
		Aug-12	43	43	86
		Sep-12	52	50	101
		Oct-12	38	38	76
		Nov-12	No Data	No Data	No Data
		Dec-12	19	18	38
		Jan-13	No Data	No Data	No Data
		Feb-13	1	1	2
		Mar-13	20	22	41
		Apr-13	37	37	74
		May-13	27	29	55
		Jun-13	27	28	56
		Jul-13	20	24	44
		Aug-13	20	23	43
		Sep-13	18	19	37
<b>Annual Average</b>			<b>28</b>	<b>29</b>	<b>57</b>

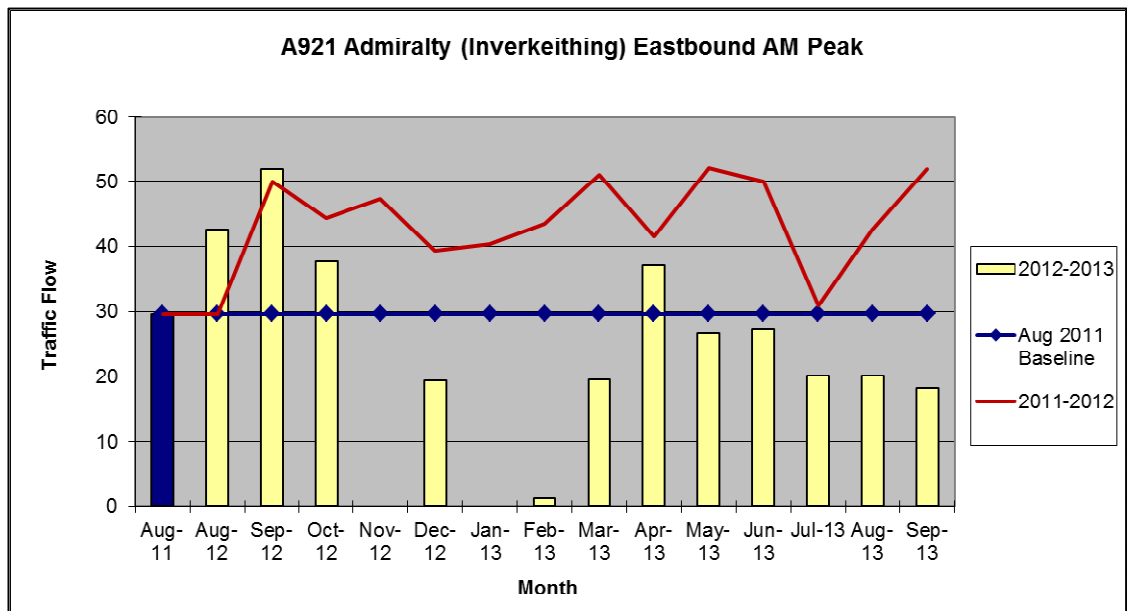


Figure 4-89 Monthly Eastbound AM Peak HGV Flows on the A921 Admiralty Road (Inverkeithing)

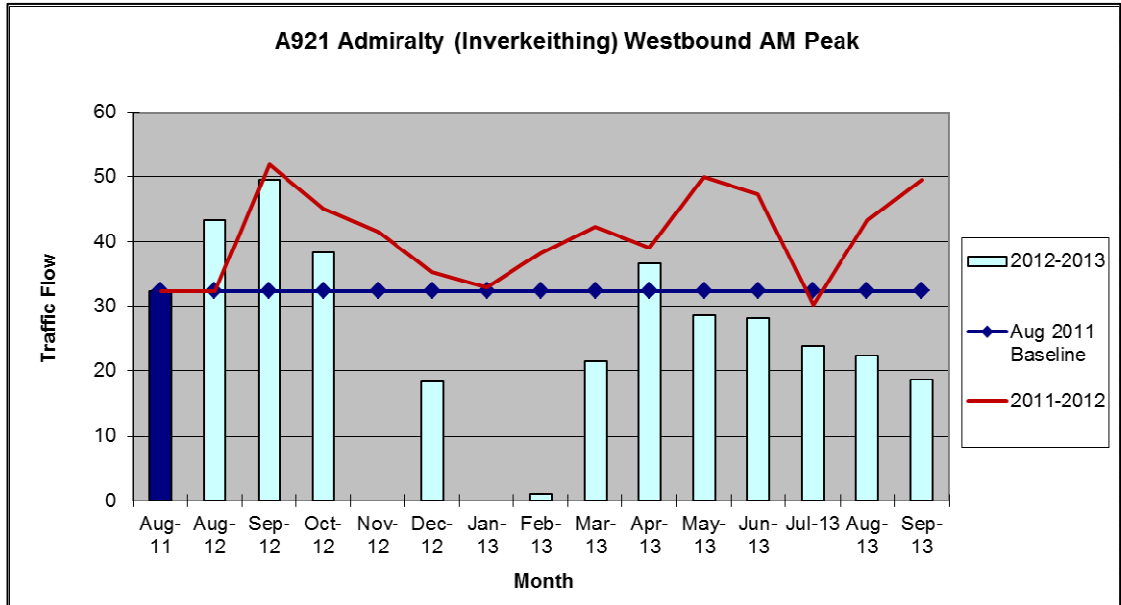


Figure 4-90 Monthly Westbound AM Peak HGV Flows on the A921 Admiralty Road (Inverkeithing)

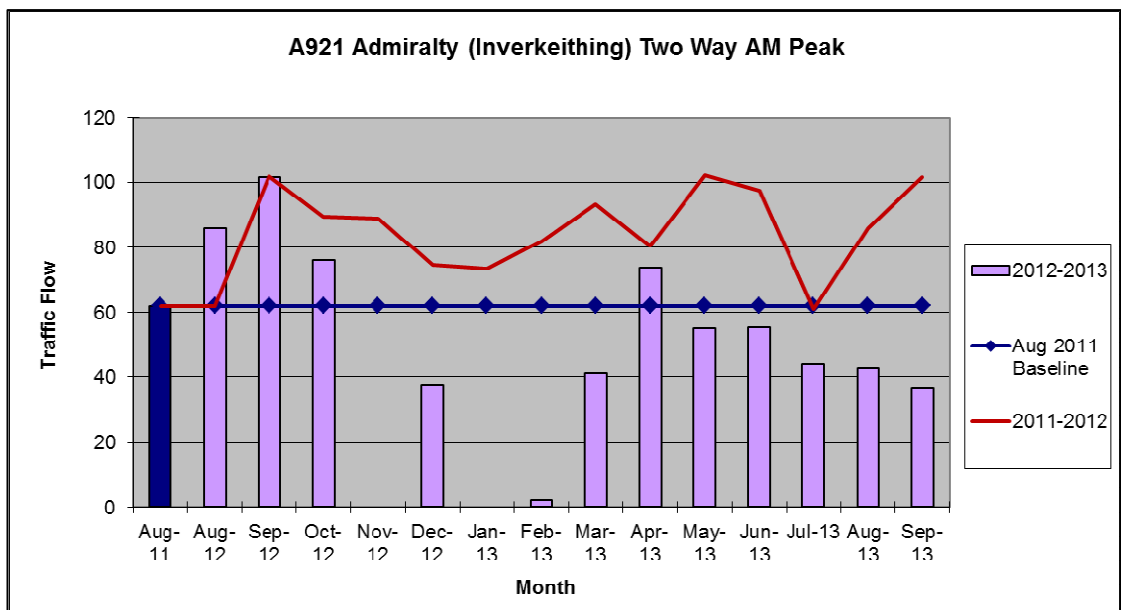


Figure 4-91 Monthly Two Way AM Peak HGV Flows on the A921 Admiralty Road (Inverkeithing)

### 4.5.6 Monthly Average PM Peak HGV Flows

Table 4-34 Site: JTC00574 PM Peak HGV Traffic Flows – August 2012 to September 2013

Counter	Location	Date	EB	WB	Two Way
JTC00574	A921 Admiralty Road (Inverkeithing)	Aug-11	15	20	35
		Aug-12	23	27	50
		Sep-12	23	30	52
		Oct-12	17	23	40
		Nov-12	No Data	No Data	No Data
		Dec-12	21	21	42
		Jan-13	No Data	No Data	No Data
		Feb-13	2	2	5
		Mar-13	12	18	29
		Apr-13	15	20	35
		May-13	13	18	31
		Jun-13	14	19	33
		Jul-13	15	15	31
		Aug-13	11	13	24
		Sep-13	5	5	10
<b>Annual Average</b>			<b>15</b>	<b>19</b>	<b>35</b>

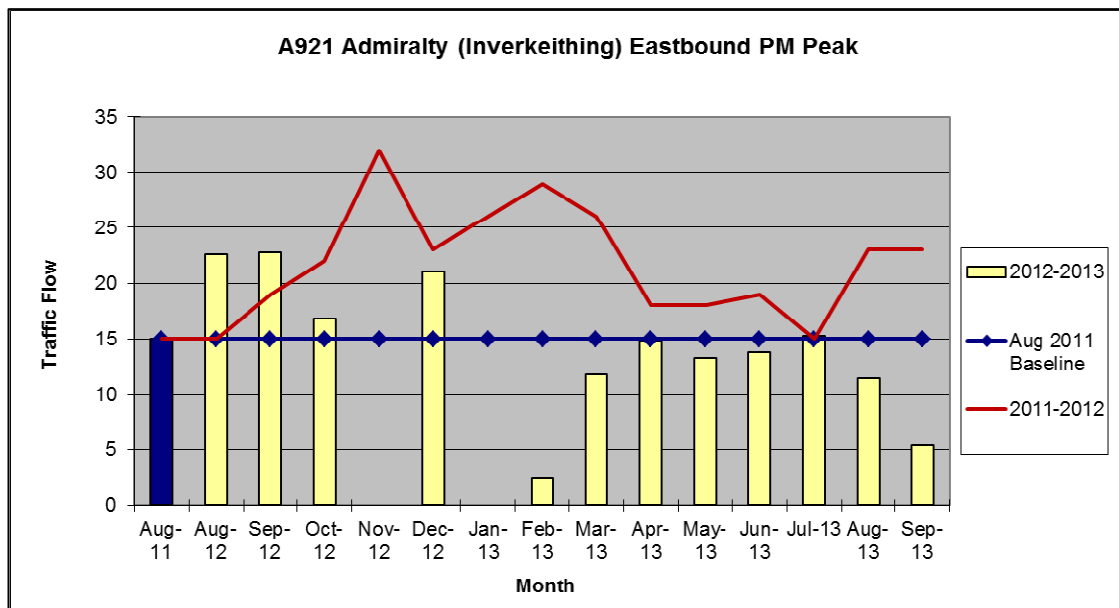


Figure 4-92 Monthly Eastbound PM HGV Peak Flows on the A921 Admiralty Road (Inverkeithing)

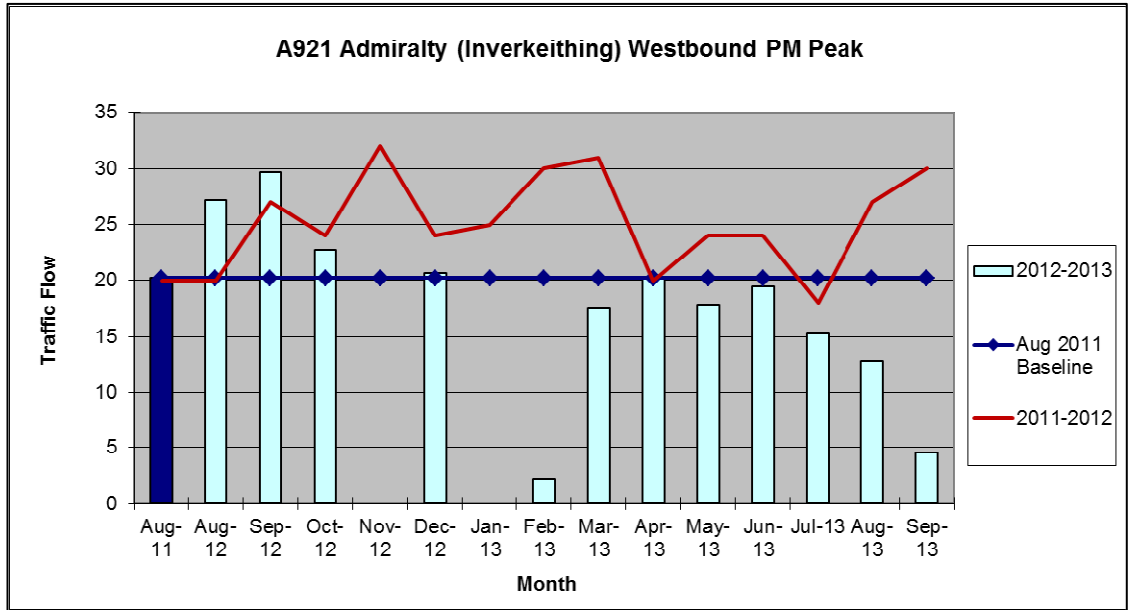


Figure 4-93 Monthly Westbound PM Peak HGV Flows on the A921 Admiralty Road (Inverkeithing)

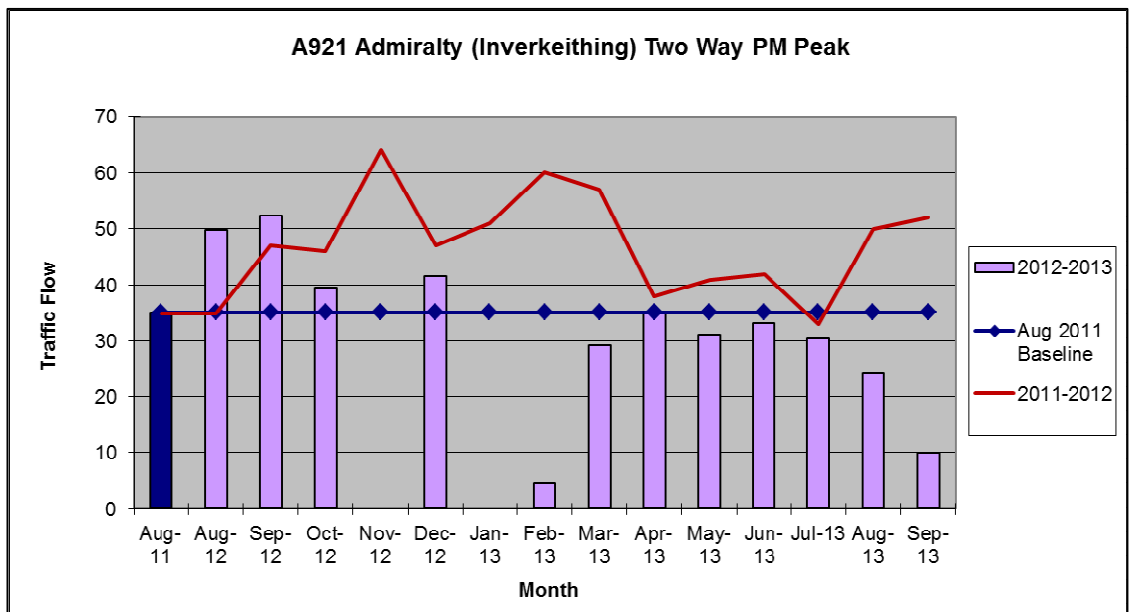


Figure 4-94 Monthly Two Way PM Peak HGV Flows on the A921 Admiralty Road (Inverkeithing)

4.5.7 Monthly Average All Vehicles Traffic Speeds

Table 4-35 Site: JTC00574 Average Monthly Traffic Speeds (KPH) (All Vehicles) – August 2012 to September 2013

Counter	Location	Date	EB	WB
JTC00574	A921 Admiralty Road (Inverkeithing)	Aug-12	61	60
		Sep-12	62	61
		Oct-12	62	61
		Nov-12	No Data	No Data
		Dec-12	59	58
		Jan-13	No Data	No Data
		Feb-13	No Data	No Data
		Mar-13	61	60
		Apr-13	62	61
		May-13	62	61
		Jun-13	62	61
		Jul-13	62	61
		Aug-13	61	61
		Sep-13	61	61

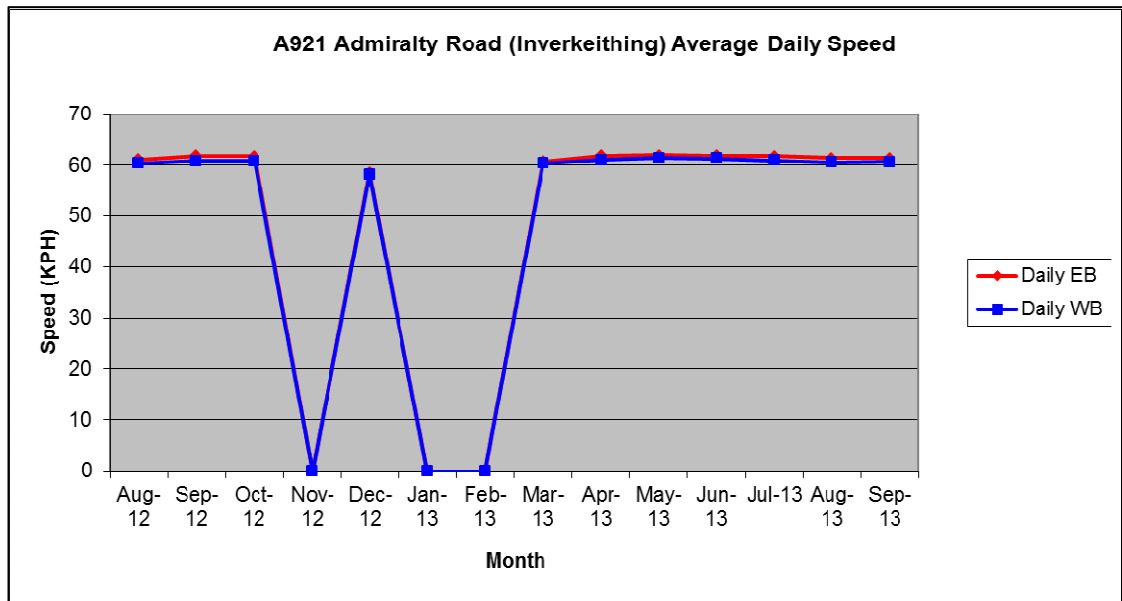


Figure 4-95 Average Monthly Traffic Speeds (KPH) on the A921 Admiralty Road (Inverkeithing)

## 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 2012 to September 2013

Counter	Location	Date	NB	SB	Two Way
JTC00578	A921 Hilton Road (Rosyth)	Aug-11	1,538	1,729	3,267
		Aug-12	1,533	1,639	3,172
		Sep-12	1,441	1,568	3,008
		Oct-12	1,486	1,643	3,129
		Nov-12	1,582	1,789	3,371
		Dec-12	1,291	1,395	2,686
		Jan-13	1,357	1,565	2,922
		Feb-13	1,270	756	2,026
		Mar-13	1,521	1,717	3,238
		Apr-13	1,592	1,819	3,411
		May-13	1,666	1,903	3,570
		Jun-13	1,594	1,815	3,409
		Jul-13	1,582	1,797	3,379
		Aug-13	1,649	1,876	3,525
		Sep-13	1,606	1,875	3,480
		<b>Annual Average</b>			<b>1,493</b>

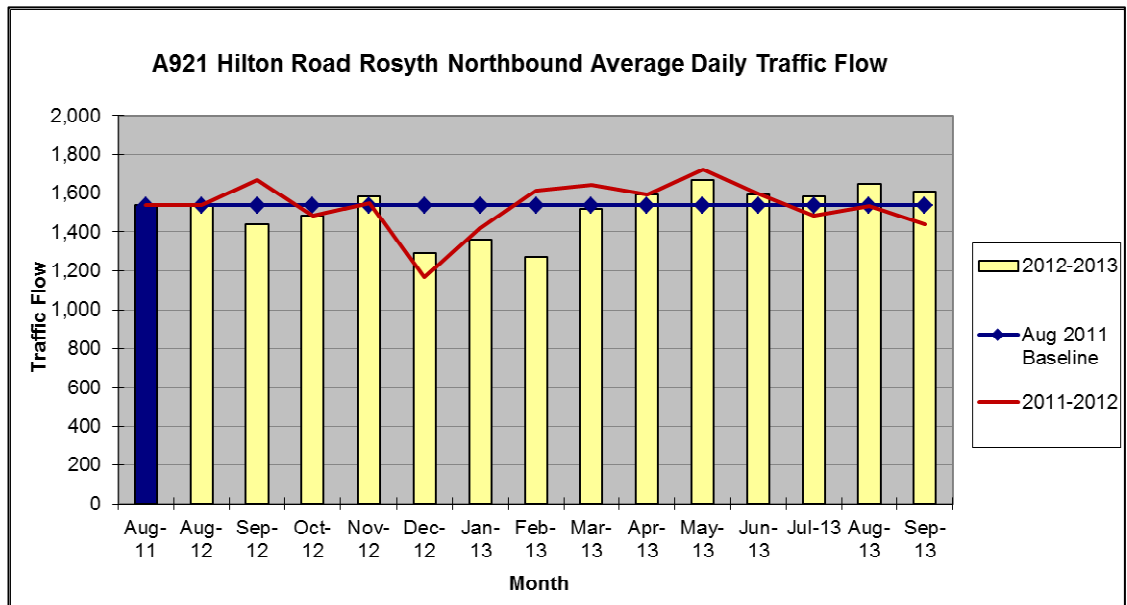


Figure 4-96 Monthly Northbound AADTs on the A921 Hilton Road (Rosyth)

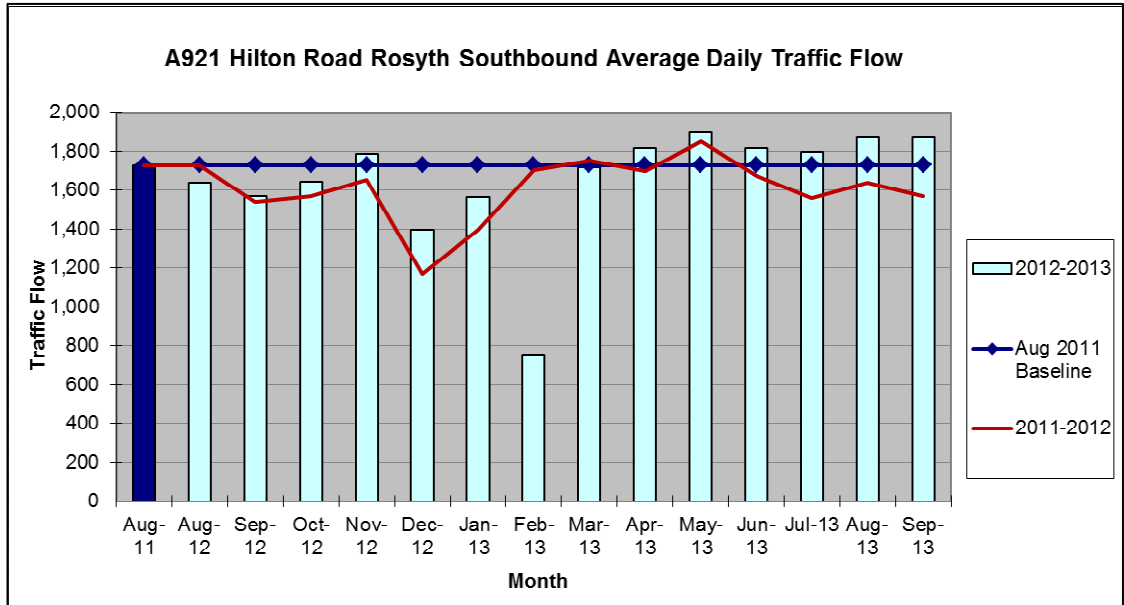


Figure 4-97 Monthly Southbound AADTs on the A921 Hilton Road (Rosyth)

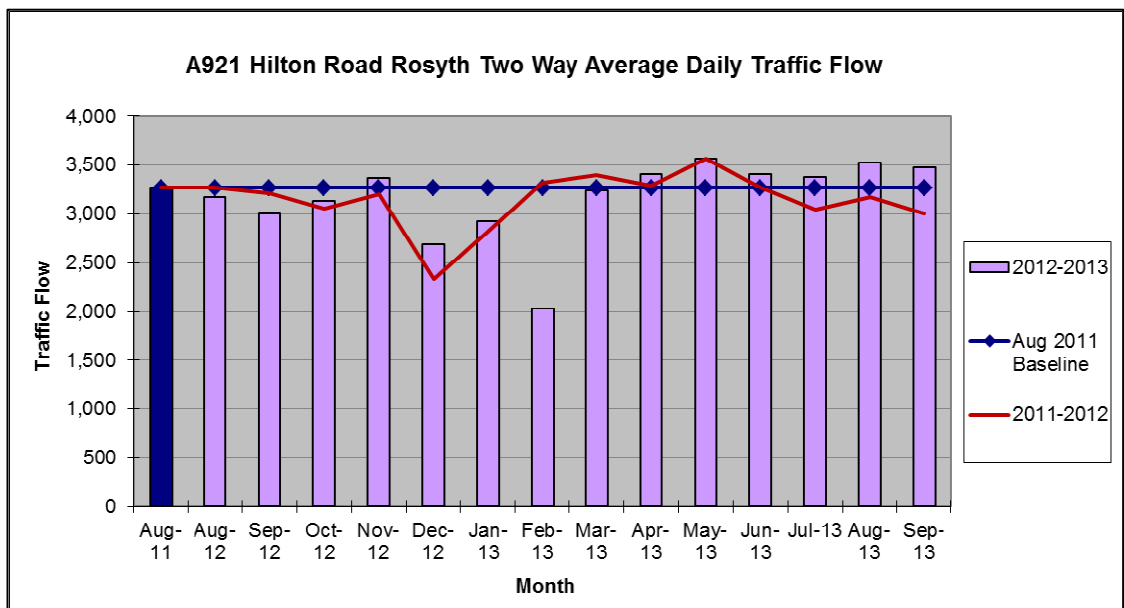


Figure 4-98 Monthly Two Way Daily Traffic Flows on the A921 Hilton Road (Rosyth)



### 4.6.2 Monthly Average AM Peak Traffic Flows

Table 4-37 Site: JTC00578 AM Peak Traffic Flows – August 2012 to September 2013

Counter	Location	Date	NB	SB	Two Way
JTC00578	A921 Hilton Road (Rosyth)	Aug-11	135	704	839
		Aug-12	155	689	843
		Sep-12	157	676	833
		Oct-12	160	734	894
		Nov-12	177	797	974
		Dec-12	126	551	677
		Jan-13	137	683	819
		Feb-13	45	139	184
		Mar-13	154	713	867
		Apr-13	158	735	893
		May-13	174	778	952
		Jun-13	168	721	889
		Jul-13	168	720	887
		Aug-13	174	754	928
		Sep-13	169	798	967
<b>Annual Average</b>			<b>148</b>	<b>661</b>	<b>809</b>

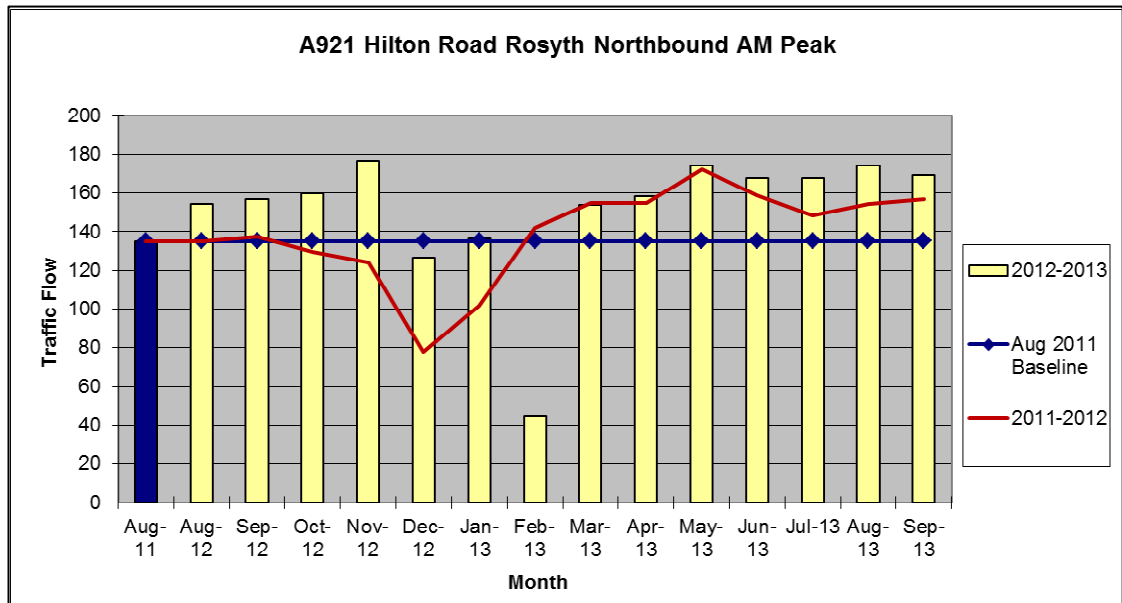


Figure 4-99 Monthly Northbound AM Peak Flows on the A921 Hilton Road (Rosyth)

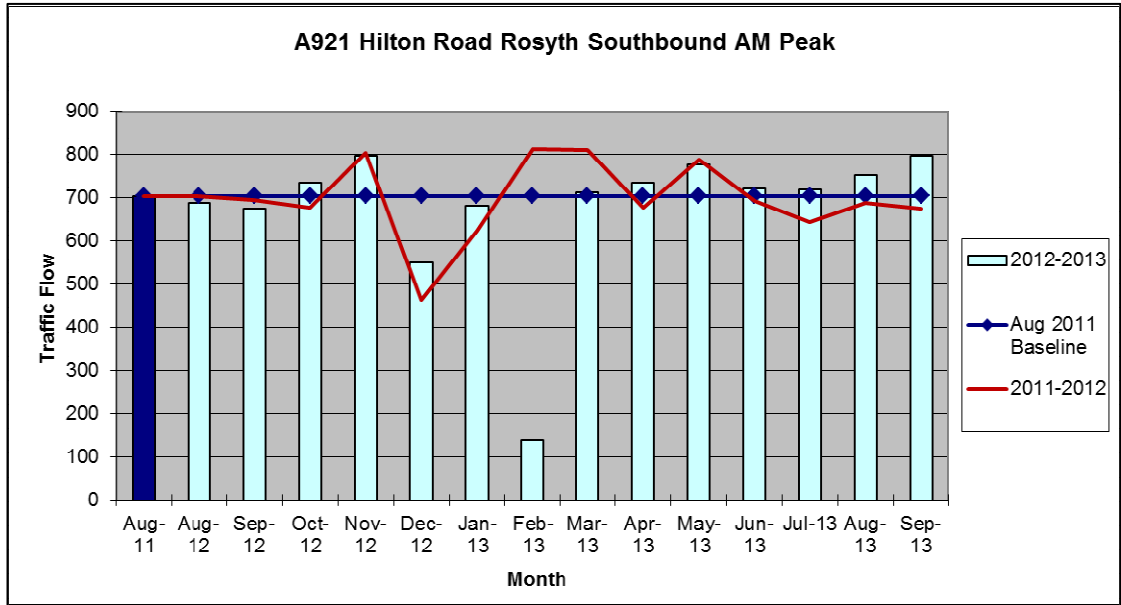


Figure 4-100 Monthly Southbound AM Peak Flows on the A921 Hilton Road (Rosyth)

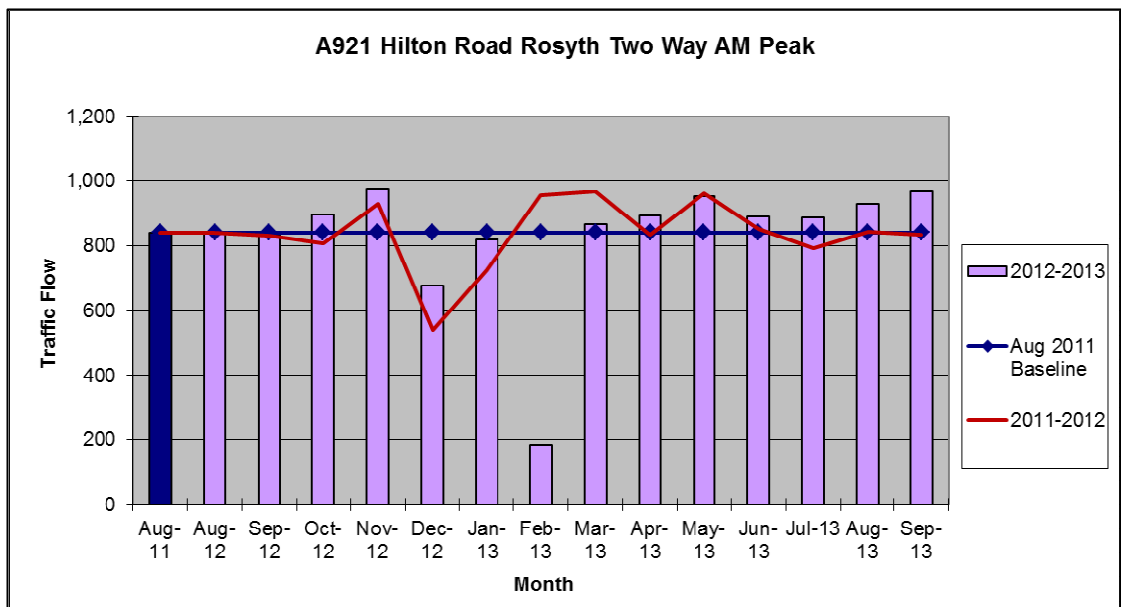


Figure 4-101 Monthly Two Way AM Peak Flows on the A921 Hilton Road (Rosyth)

### 4.6.3 Monthly Average PM Peak Traffic Flows

Table 4-38 Site: JTC00578 PM Peak Traffic Flows – August 2012 to September 2013

Counter	Location	Date	NB	SB	Two Way
JTC00578	A921 Hilton Road (Rosyth)	Aug-11	621	232	853
		Aug-12	627	199	826
		Sep-12	594	182	776
		Oct-12	648	185	833
		Nov-12	660	192	852
		Dec-12	498	158	656
		Jan-13	586	160	747
		Feb-13	687	181	868
		Mar-13	636	193	829
		Apr-13	681	204	885
		May-13	686	212	898
		Jun-13	639	214	853
		Jul-13	670	207	877
		Aug-13	677	216	893
		Sep-13	678	205	883
<b>Annual Average</b>			<b>634</b>	<b>191</b>	<b>825</b>

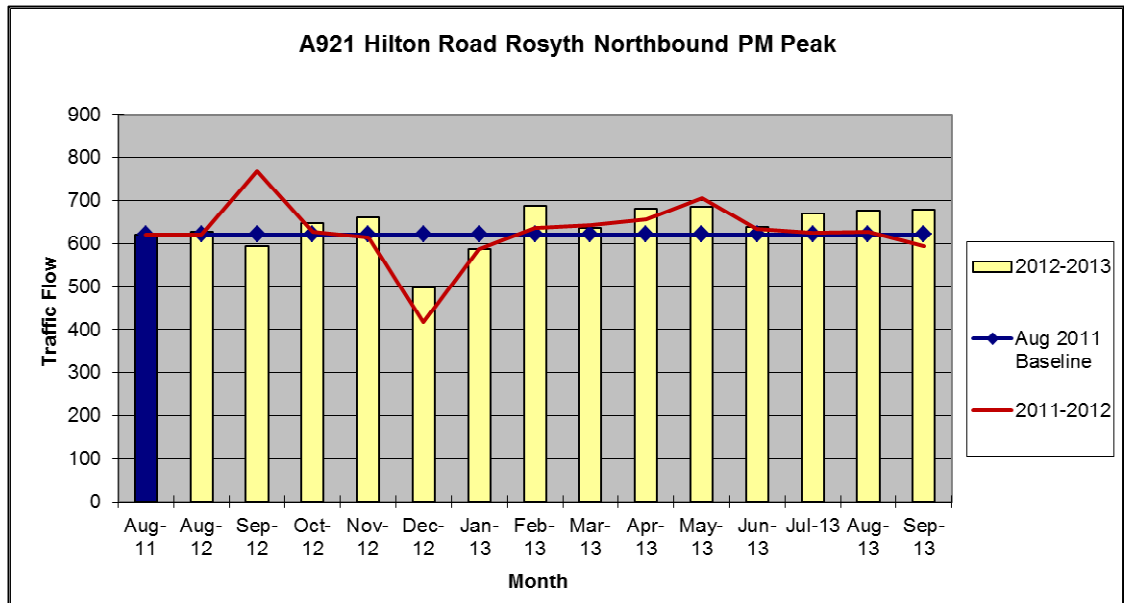


Figure 4-102 Monthly Northbound PM Peak Flows on the A921 Hilton Road (Rosyth)

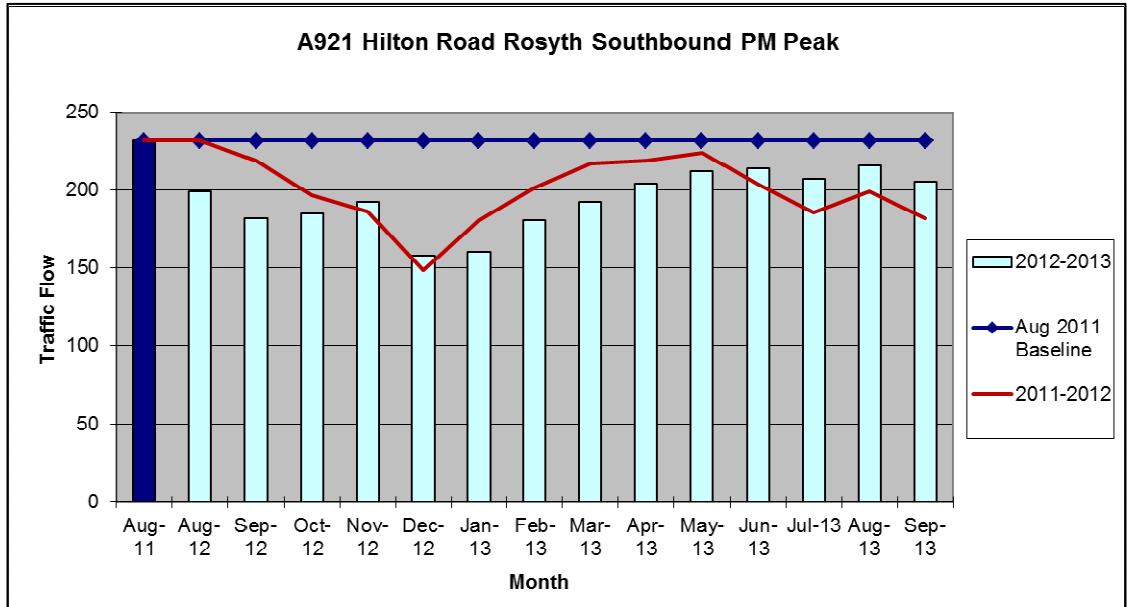


Figure 4-103 Monthly Southbound PM Peak Flows on the A921 Hilton Road (Rosyth)

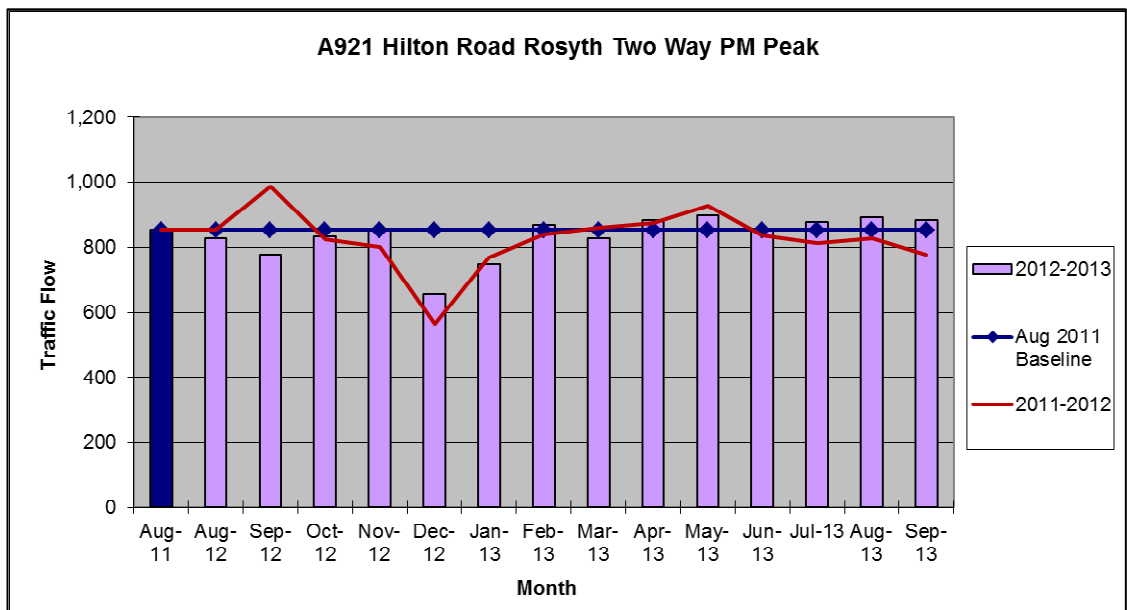


Figure 4-104 Monthly Two Way PM Peak Flows on the A921 Hilton Road (Rosyth)

#### 4.6.4 Monthly Average HGV Flows

Table 4-39 Site: JTC00578 Annual HGV Traffic Flows – August 2012 to September 2013

Counter	Location	Date	NB	SB	Two Way
JTC00578	A921 Hilton Road (Rosyth)	Aug-11	4	2	6
		Aug-12	5	3	9
		Sep-12	6	4	10
		Oct-12	6	4	10
		Nov-12	7	5	11
		Dec-12	5	3	9
		Jan-13	7	5	12
		Feb-13	8	3	11
		Mar-13	6	5	11
		Apr-13	7	5	12
		May-13	7	5	11
		Jun-13	7	5	12
		Jul-13	6	4	10
		Aug-13	7	5	12
		Sep-13	6	5	11
<b>Annual Average</b>			<b>6</b>	<b>4</b>	<b>11</b>

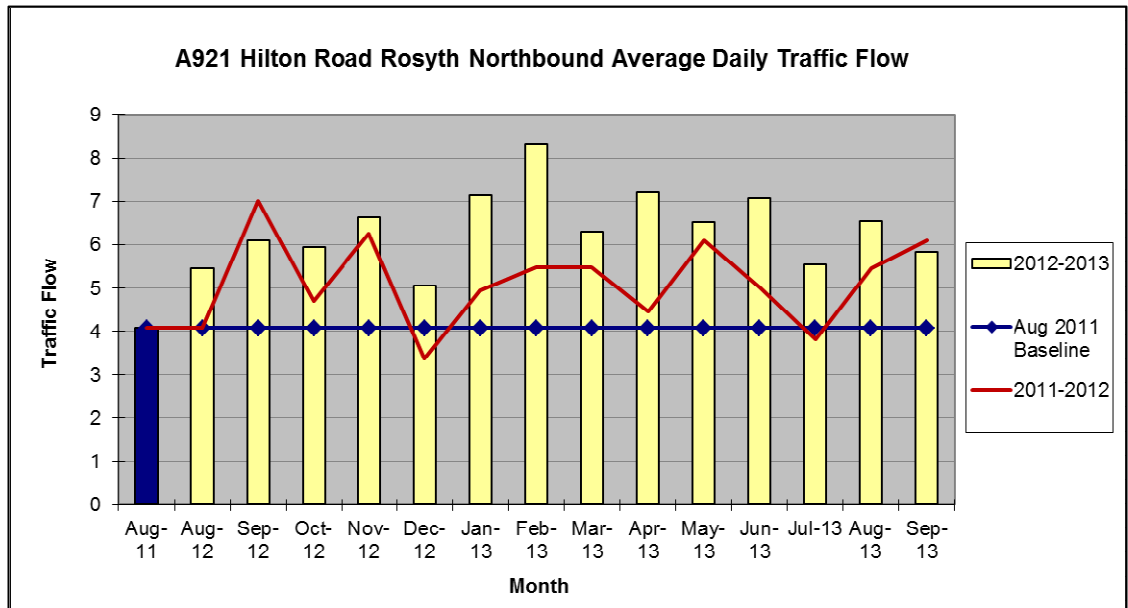


Figure 4-105 Monthly Eastbound HGV Flows on the A921 Hilton Road (Rosyth)

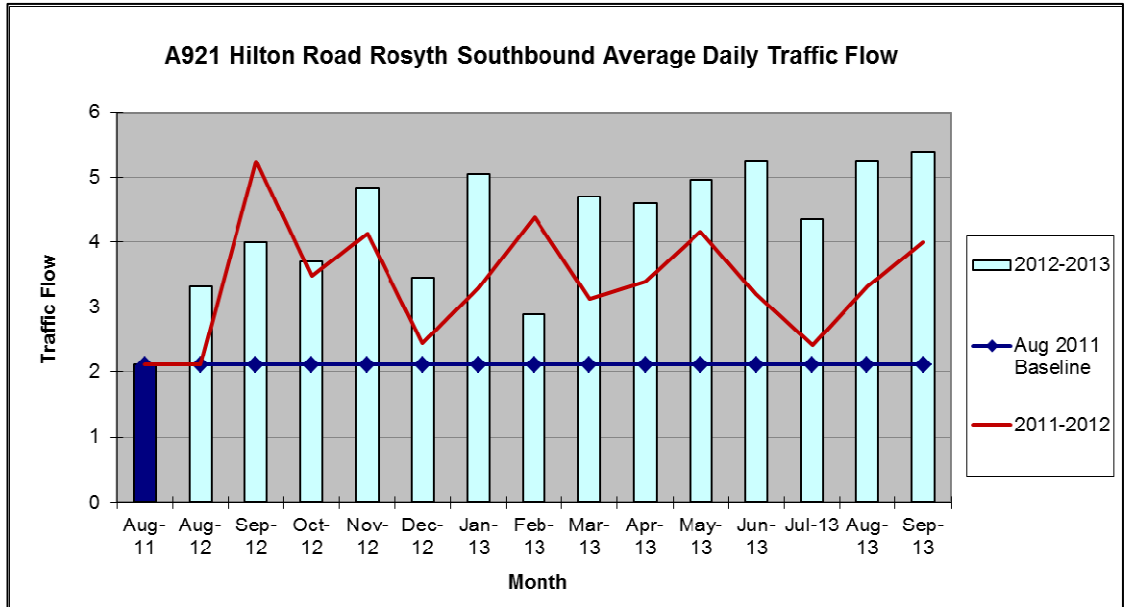


Figure 4-106 Monthly Westbound HGV Flows on the A921 Hilton Road (Rosyth)

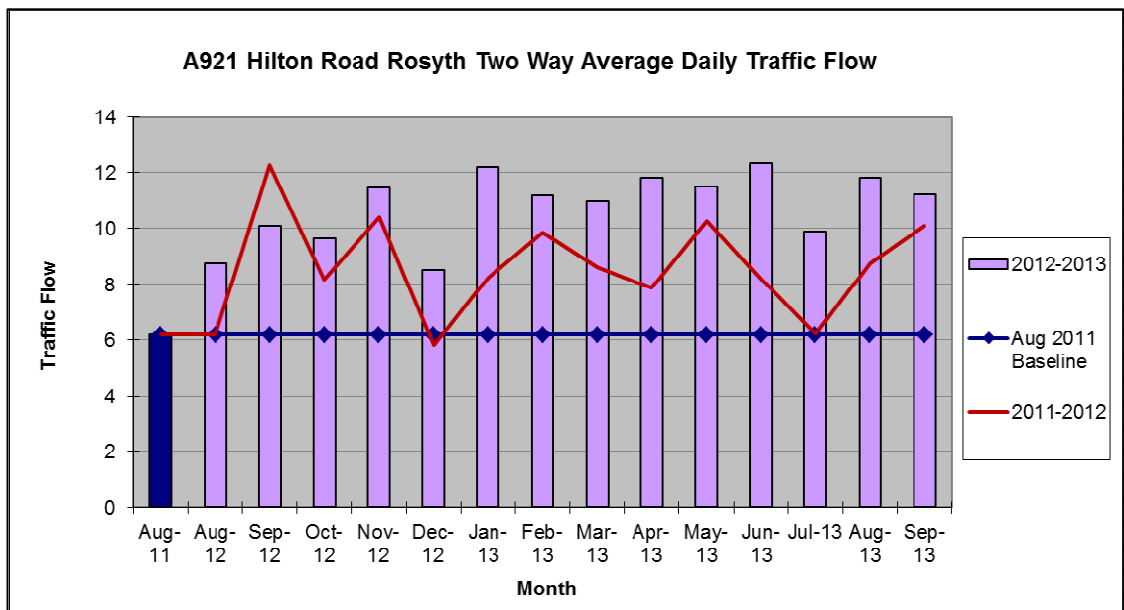


Figure 4-107 Monthly Two Way HGV Flows on the A921 Hilton Road (Rosyth)

### 4.6.5 Monthly Average AM Peak HGV Flows

Table 4-40 Site: JTC00578 AM Peak HGV Traffic Flows – August 2012 to September 2013

Counter	Location	Date	NB	SB	Two Way
JTC00578	A921 Hilton Road (Rosyth)	Aug-11	1	1	2
		Aug-12	1	2	3
		Sep-12	0	2	3
		Oct-12	0	3	3
		Nov-12	0	3	3
		Dec-12	1	2	3
		Jan-13	1	3	4
		Feb-13	0	0	0
		Mar-13	0	3	4
		Apr-13	0	3	3
		May-13	1	4	5
		Jun-13	1	3	5
		Jul-13	1	3	4
		Aug-13	1	4	5
		Sep-13	1	4	4
		<b>Annual Average</b>	<b>1</b>	<b>3</b>	<b>4</b>

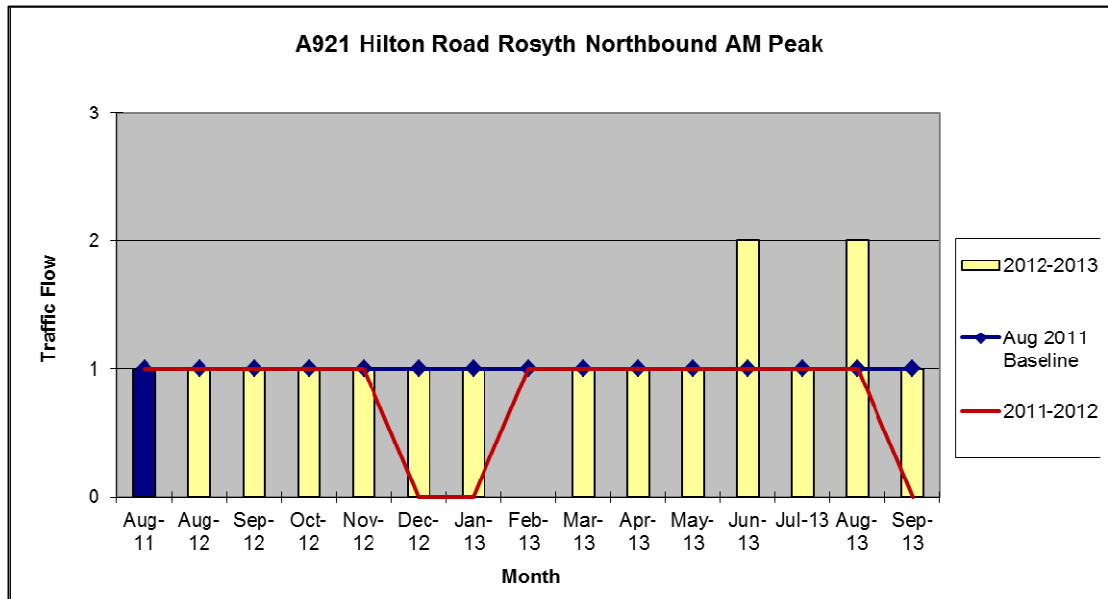


Figure 4-108 Monthly Northbound AM Peak HGV Flows on the A921 Hilton Road (Rosyth)

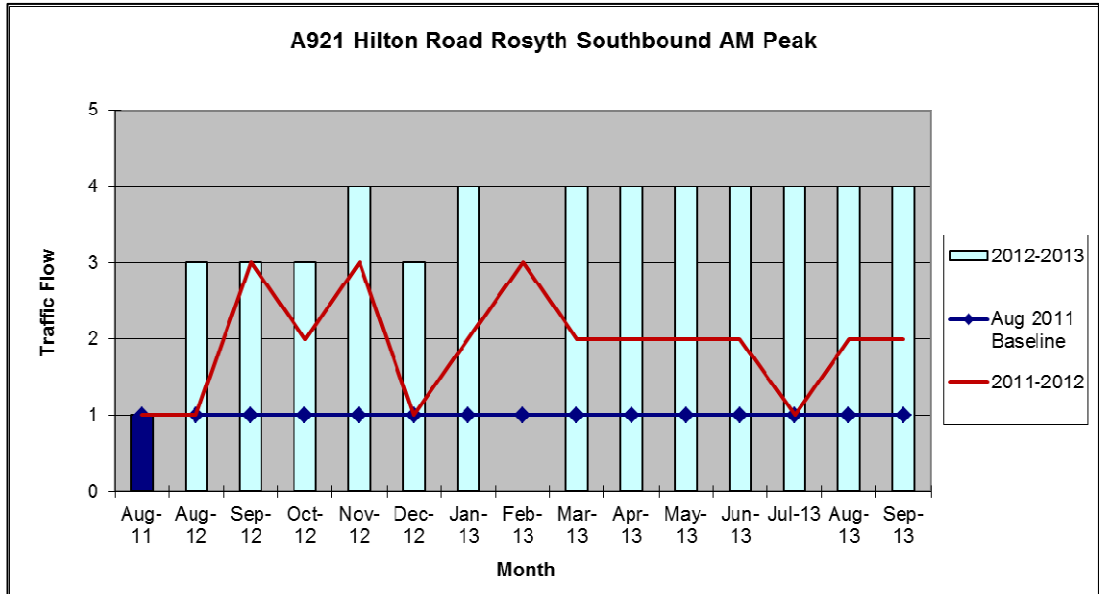


Figure 4-109 Monthly Westbound AM Peak HGV Flows on the A921 Hilton Road (Rosyth)

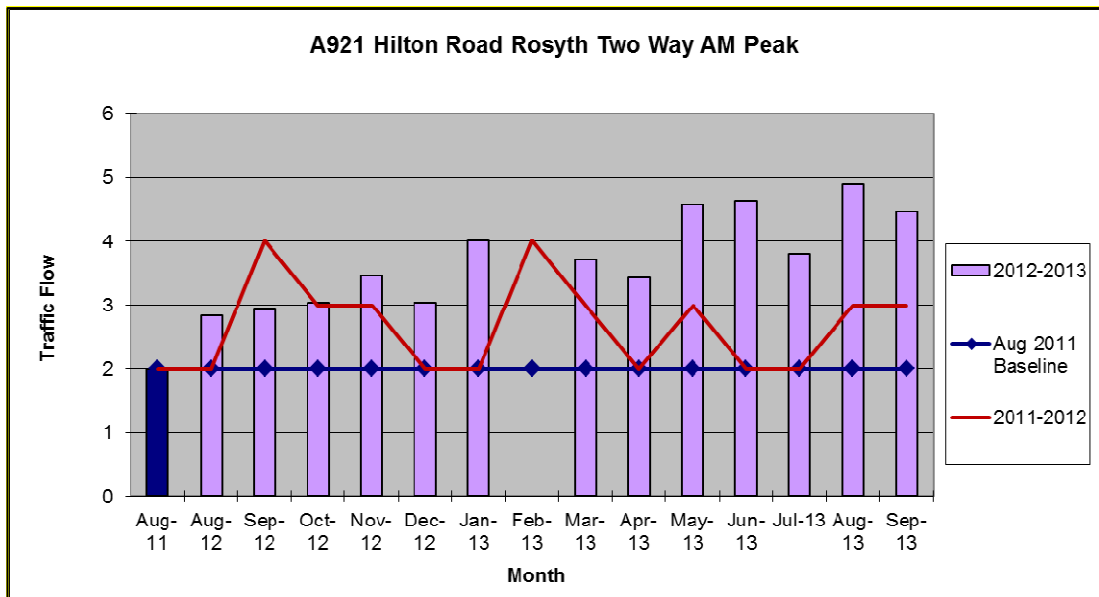


Figure 4-110 Monthly Two Way AM Peak HGV Flows on the A921 Hilton Road (Rosyth)



### 4.6.6 Monthly Average PM Peak HGV Flows

Table 4-41 Site: JTC00578 PM Peak HGV Traffic Flows – August 2012 to September 2013

Counter	Location	Date	NB	SB	Two Way
JTC00578	A921 Hilton Road (Rosyth)	Aug-11	2	0	2
		Aug-12	4	0	5
		Sep-12	5	0	5
		Oct-12	5	0	5
		Nov-12	5	0	6
		Dec-12	4	0	4
		Jan-13	6	1	7
		Feb-13	7	2	9
		Mar-13	5	0	6
		Apr-13	6	1	7
		May-13	5	0	6
		Jun-13	5	1	6
		Jul-13	4	1	5
		Aug-13	5	1	6
		Sep-13	5	1	5
<b>Annual Average</b>			<b>5</b>	<b>1</b>	<b>6</b>

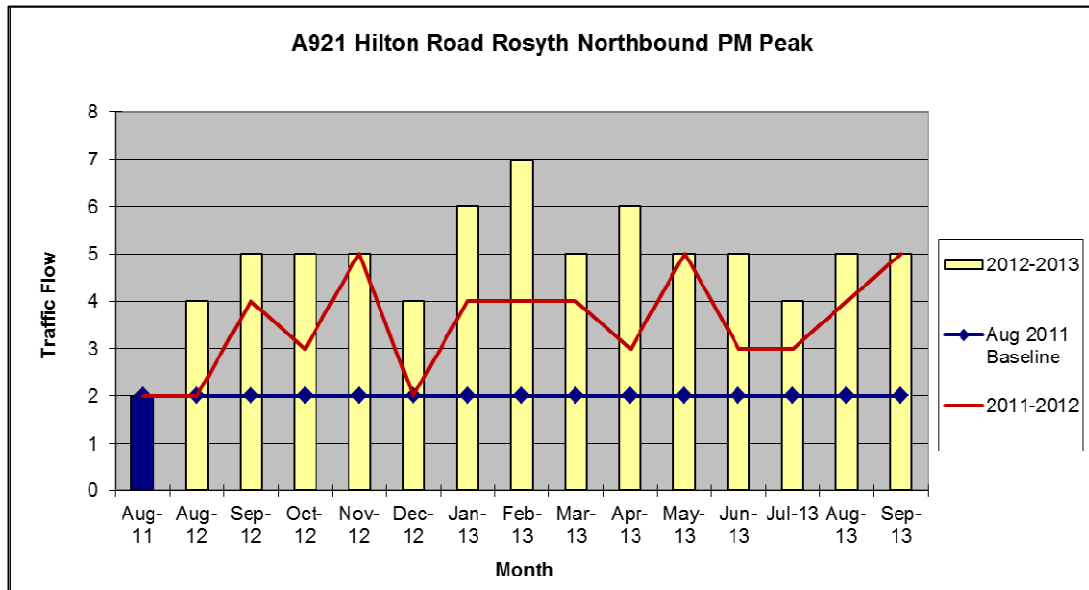


Figure 4-111 Monthly Northbound PM HGV Peak Flows on the A921 Hilton Road (Rosyth)

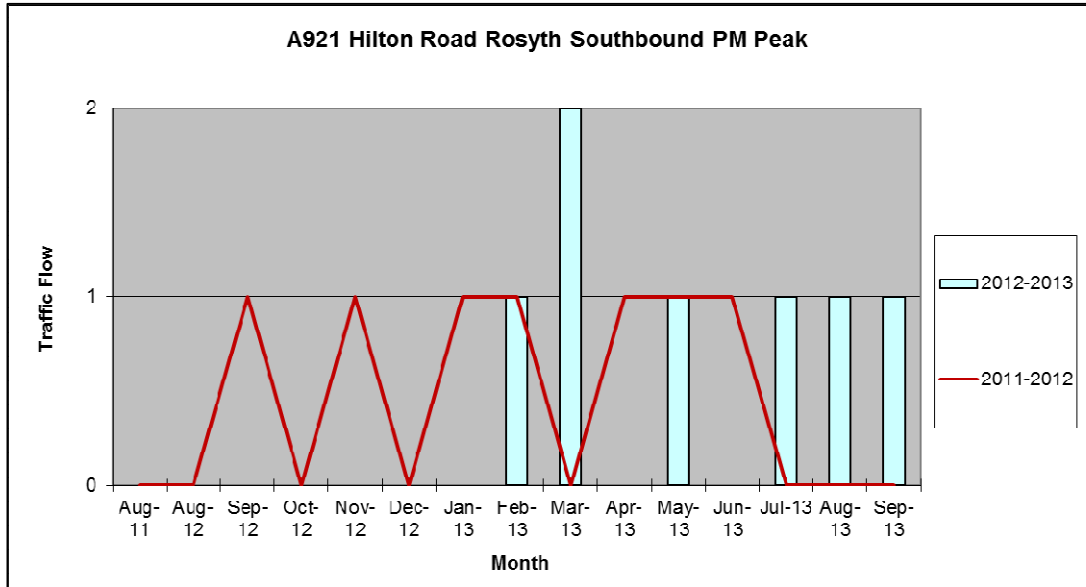


Figure 4-112 Monthly Southbound PM Peak HGV Flows on the A921 Hilton Road (Rosyth)

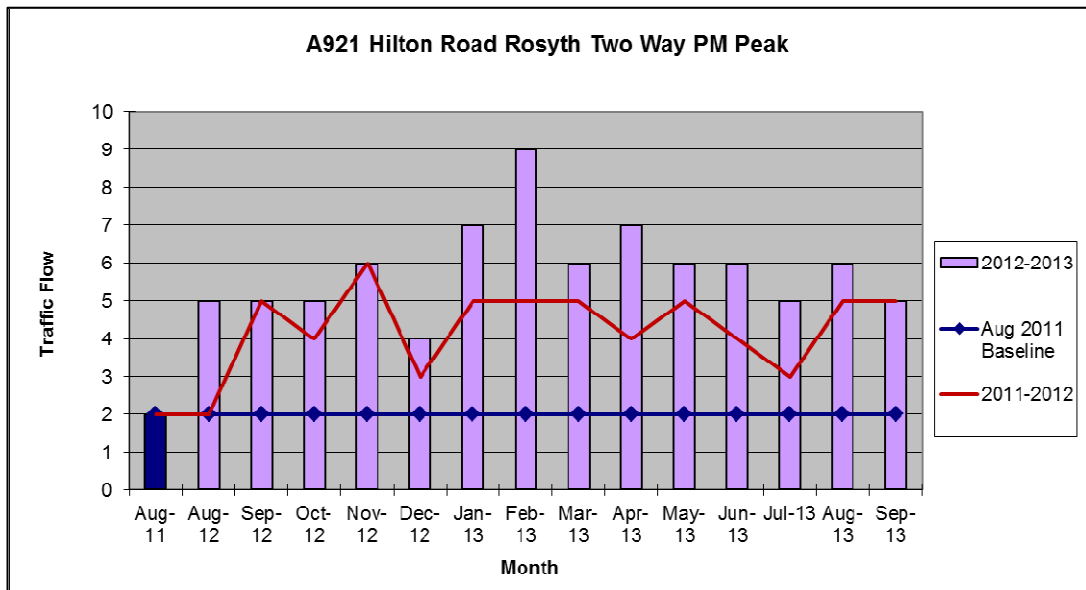


Figure 4-113 Monthly Two Way PM Peak HGV Flows on the A921 Hilton Road (Rosyth)

4.6.7 Monthly Average All Vehicles Traffic Speeds

Table 4-42 Site: JTC00578 Average Monthly Traffic Speeds (KPH) (All Vehicles) – August 2012 to September 2013

Counter	Location	Date	NB	SB
JTC00578	A921 Hilton Road (Rosyth)	Aug-12	36	36
		Sep-12	36	36
		Oct-12	36	36
		Nov-12	36	35
		Dec-12	36	35
		Jan-13	36	35
		Feb-13	36	35
		Mar-13	36	35
		Apr-13	36	36
		May-13	36	36
		Jun-13	36	36
		Jul-13	36	36
		Aug-13	36	35
Sep-13	36	35		

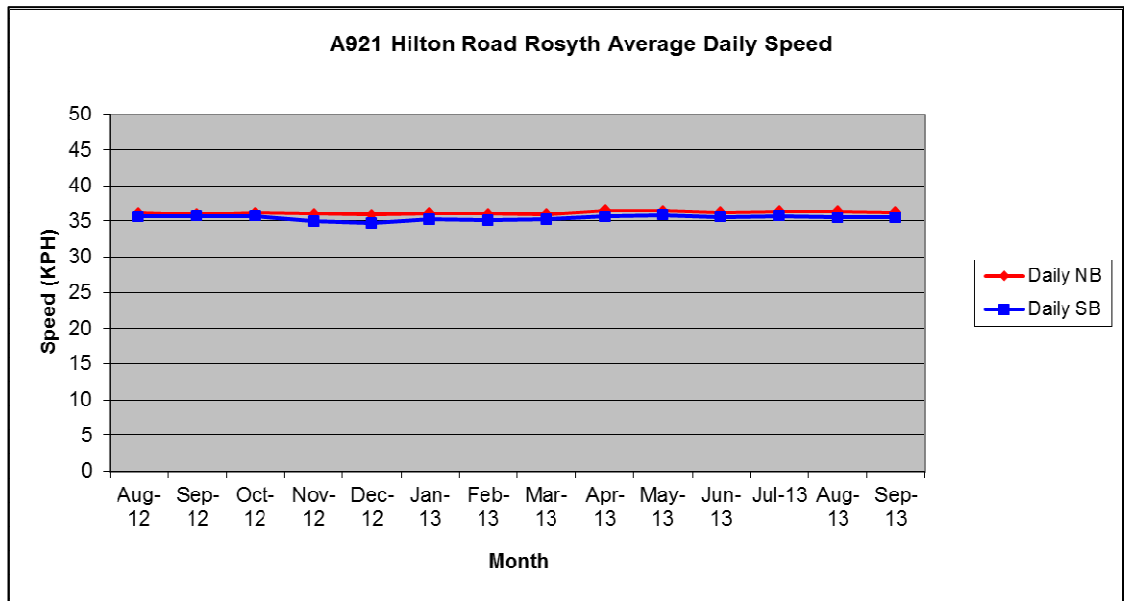


Figure 4-114 Average Monthly Traffic Speeds (KPH) on the A921 Hilton Road (Rosyth)

## 4.7 Traffic Counter JTC00584 – A907 Halbeath Road

### 4.7.1 Monthly Average Traffic Flows

Table 3-43 Site: JTC00584 Annual Traffic Flows – August 2012 to September 2013

Counter	Location	Date	EB	WB	Two Way
JTC00584	A907 Halbeath Road	Aug-11	11,981	11,713	23,694
		Aug-12	11,652	11,296	22,948
		Sep-12	11,486	11,094	22,580
		Oct-12	8,988	8,765	17,753
		Nov-12	No Data	No Data	No Data
		Dec-12	No Data	No Data	No Data
		Jan-13	No Data	No Data	No Data
		Feb-13	No Data	No Data	No Data
		Mar-13	No Data	No Data	No Data
		Apr-13	No Data	No Data	No Data
		May-13	No Data	No Data	No Data
		Jun-13	11,185	11,014	22,199
		Jul-13	11,208	10,794	22,002
		Aug-13	10,515	10,139	20,654
		Sep-13	No Data	No Data	No Data
		<b>Annual Average</b>			<b>10,904</b>

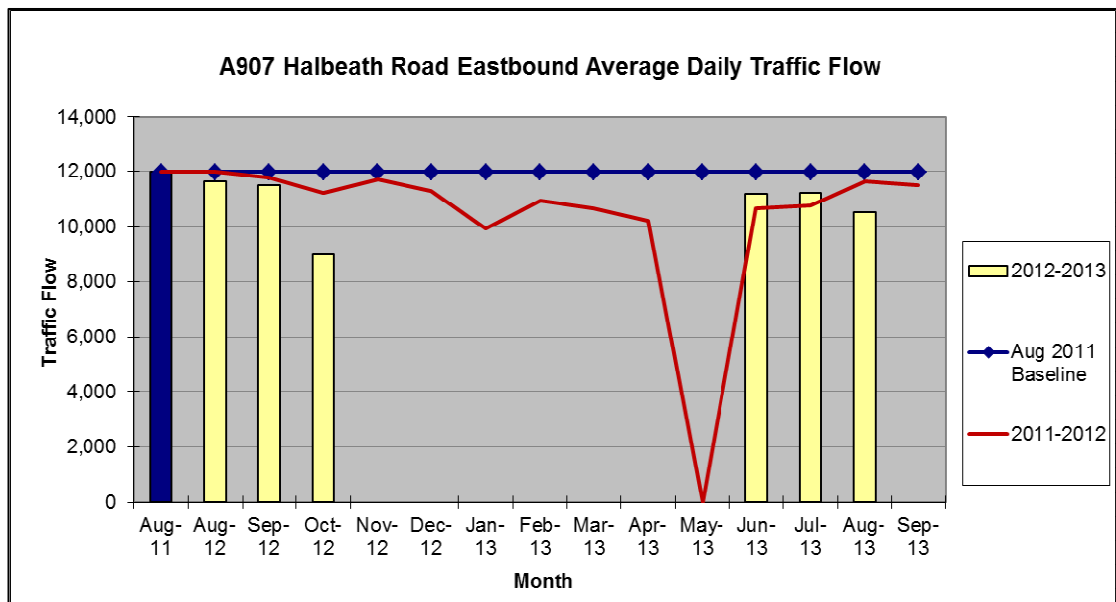


Figure 4-115 Monthly Eastbound AADTs on the A907 Halbeath Road

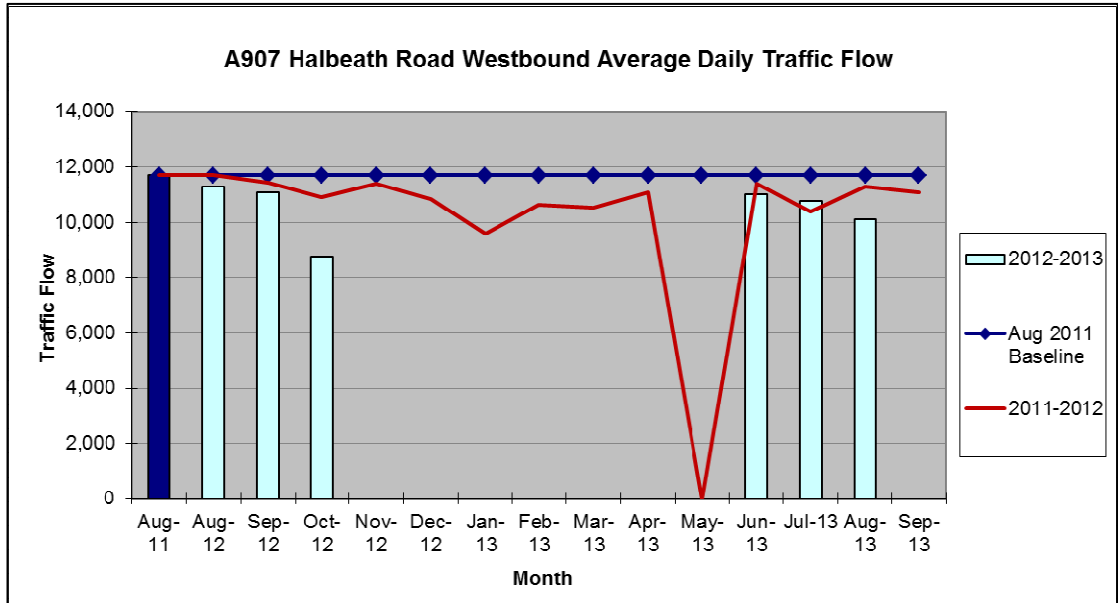


Figure 4-116 Monthly Westbound AADTs on the A907 Halbeath Road

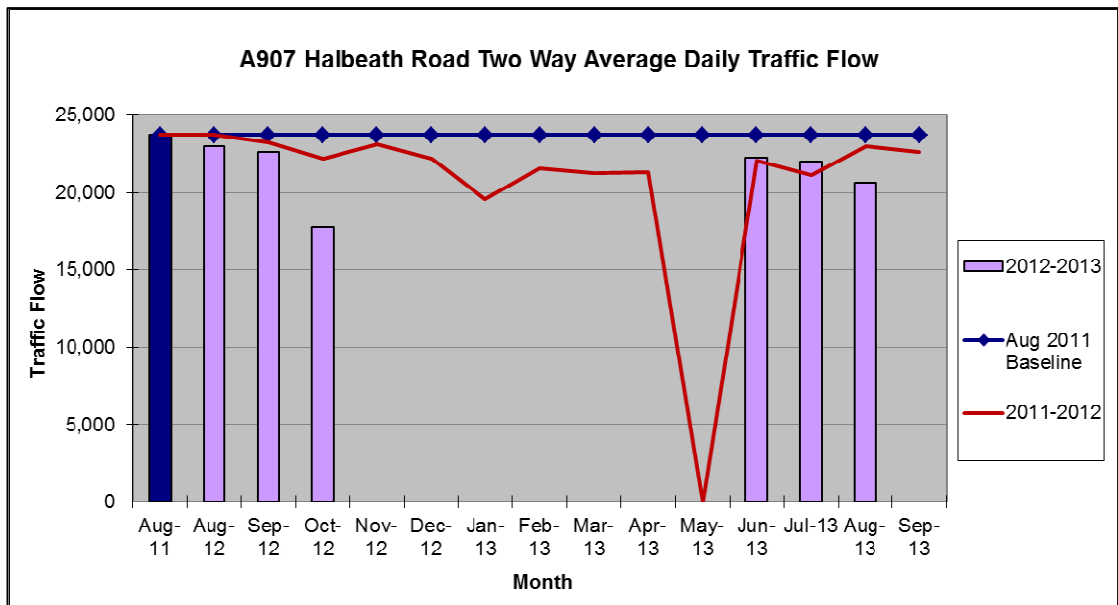


Figure 4-117 Monthly Two Way Daily Traffic Flows on the A907 Halbeath Road

### 4.7.2 Monthly Average AM Peak Traffic Flows

Table 4-44 Site: JTC00584 AM Peak Traffic Flows – August 2012 to September 2013

Counter	Location	Date	EB	WB	Two Way
JTC00584	A907 Halbeath Road	Aug-11	1,796	1,988	3,784
		Aug-12	2,043	2,036	4,078
		Sep-12	1,975	1,996	3,971
		Oct-12	1,986	2,073	4,059
		Nov-12	No Data	No Data	No Data
		Dec-12	No Data	No Data	No Data
		Jan-13	No Data	No Data	No Data
		Feb-13	No Data	No Data	No Data
		Mar-13	No Data	No Data	No Data
		Apr-13	No Data	No Data	No Data
		May-13	No Data	No Data	No Data
		Jun-13	1,712	1,819	3,532
		Jul-13	1,648	1,723	3,371
		Aug-13	1,496	1,538	3,034
		Sep-13	No Data	No Data	No Data
		<b>Annual Average</b>	<b>1,873</b>	<b>1,930</b>	<b>3,802</b>

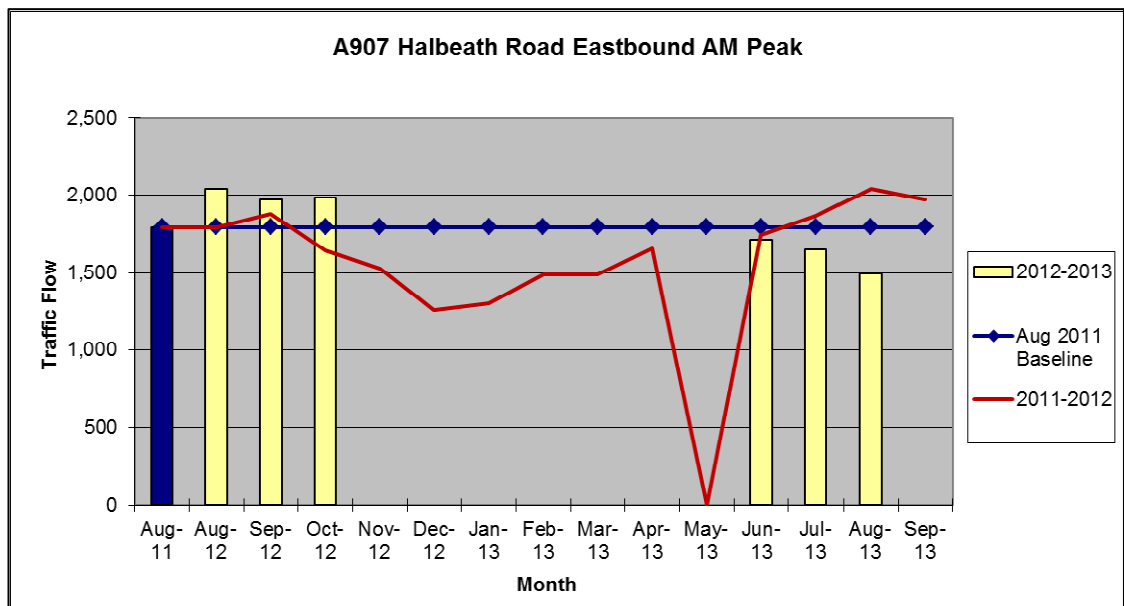


Figure 4-118 Monthly Eastbound AM Peak Flows on the A907 Halbeath Road

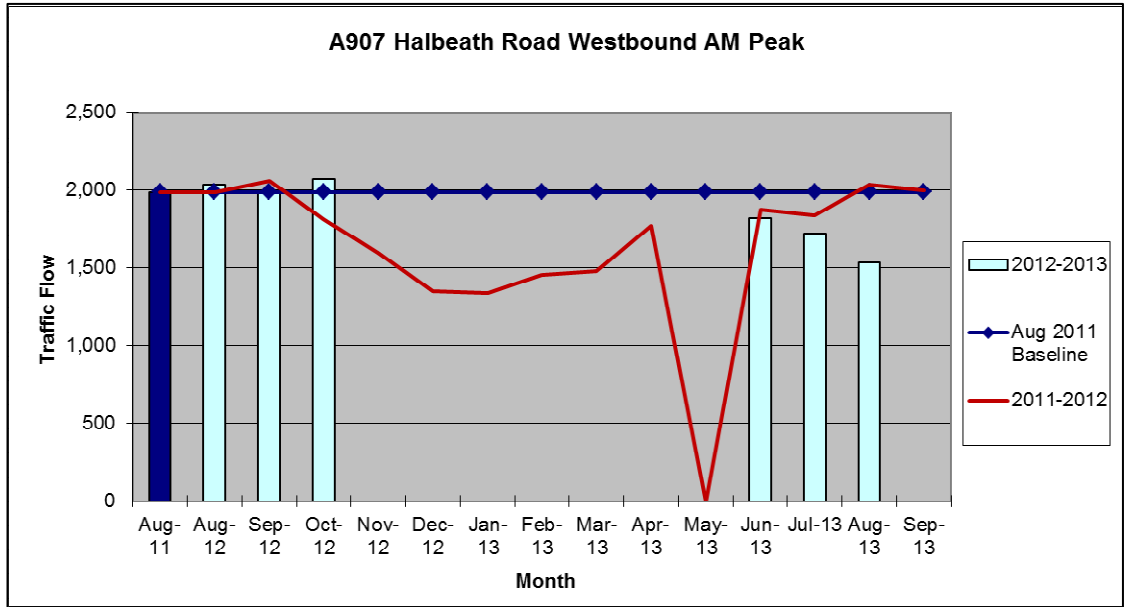


Figure 4-119 Monthly Westbound AM Peak Flows on the A907 Halbeath Road

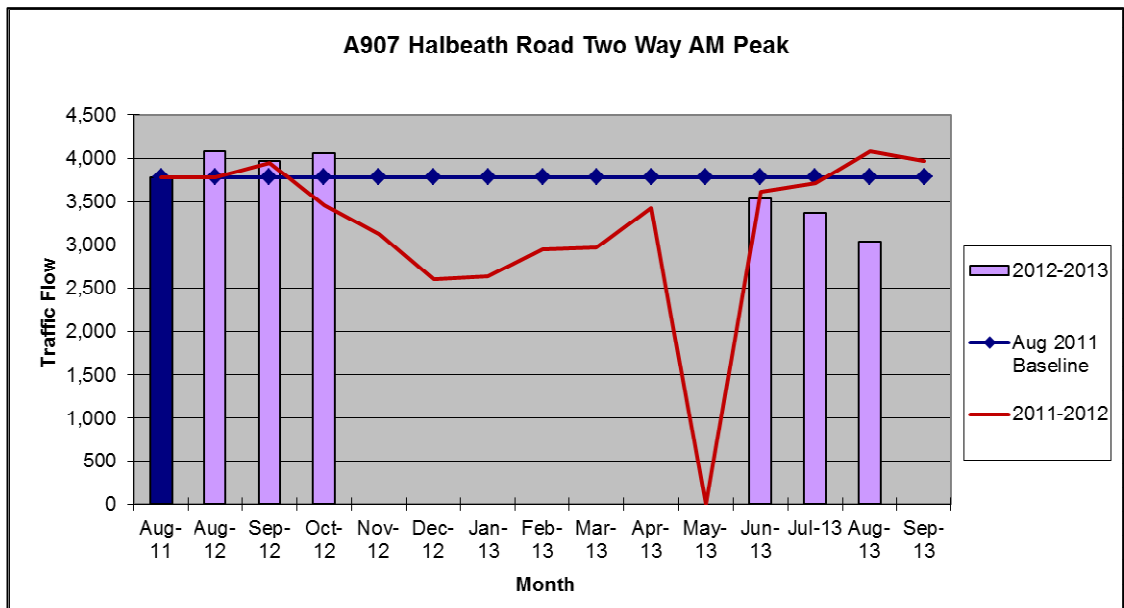


Figure 4-120 Monthly Two Way AM Peak Flows on the A907 Halbeath Road

### 4.7.3 Monthly Average PM Peak Traffic Flows

Table 4-45 Site: JTC00584 PM Peak Traffic Flows – August 2012 to September 2013

Counter	Location	Date	EB	WB	Two Way
JTC00584	A907 Halbeath Road	Aug-11	2,811	2,630	5,441
		Aug-12	1,631	1,625	3,256
		Sep-12	1,599	1,592	3,190
		Oct-12	760	755	1,515
		Nov-12	No Data	No Data	No Data
		Dec-12	No Data	No Data	No Data
		Jan-13	No Data	No Data	No Data
		Feb-13	No Data	No Data	No Data
		Mar-13	No Data	No Data	No Data
		Apr-13	No Data	No Data	No Data
		May-13	No Data	No Data	No Data
		Jun-13	2,704	2,541	5,246
		Jul-13	2,539	2,405	4,944
		Aug-13	2,400	2,250	4,651
		Sep-13	No Data	No Data	No Data
		<b>Annual Average</b>			<b>1,847</b>

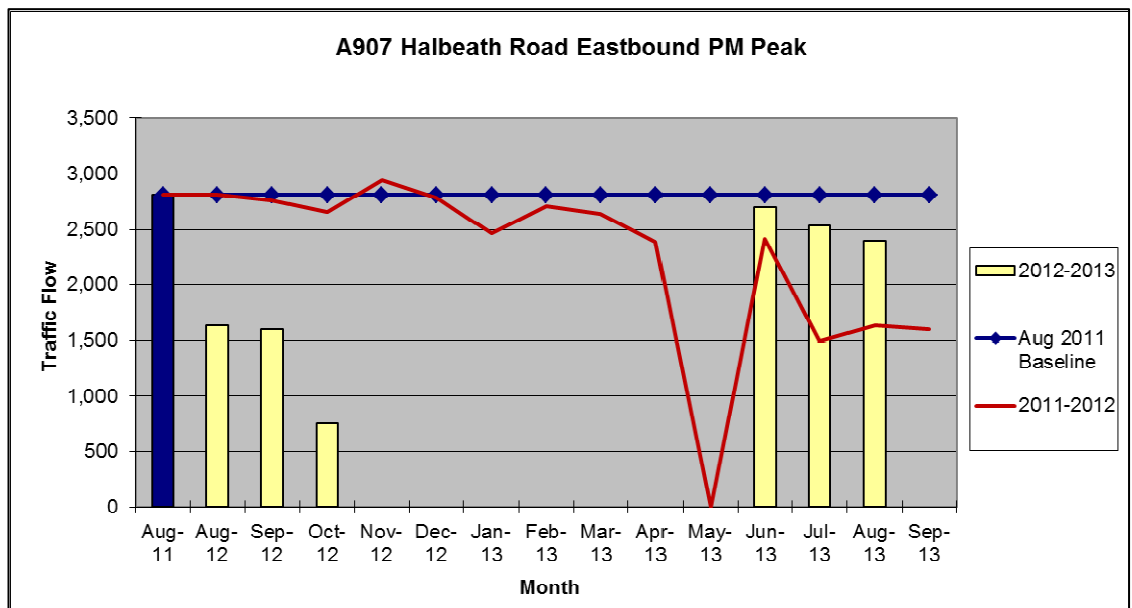


Figure 4-121 Monthly Eastbound PM Peak Flows on the A907 Halbeath Road



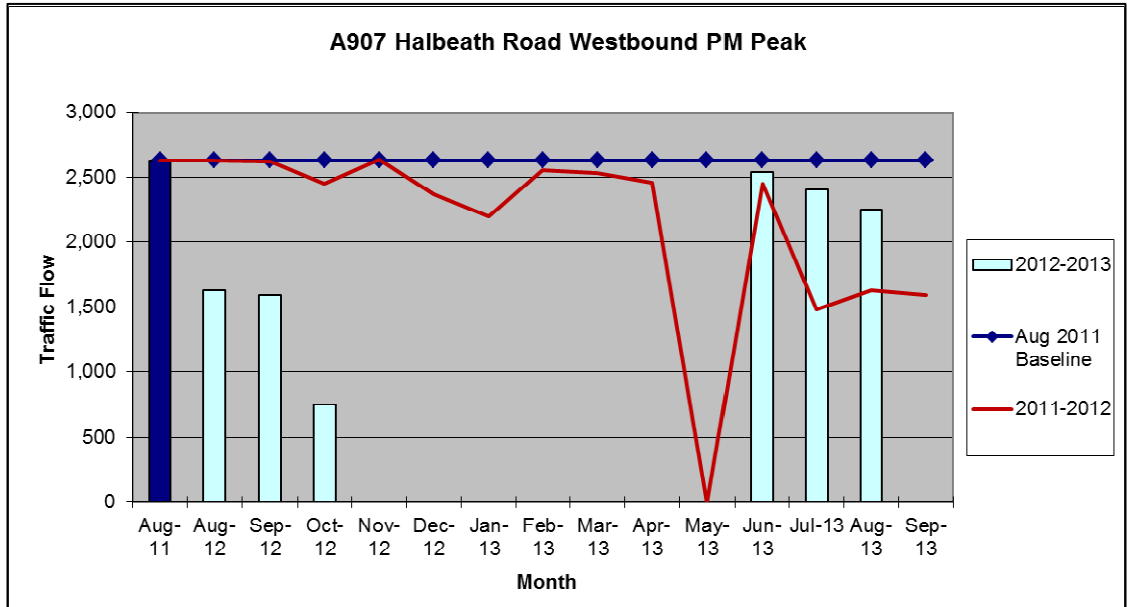


Figure 4-122 Monthly Westbound PM Peak Flows on the A907 Halbeath Road

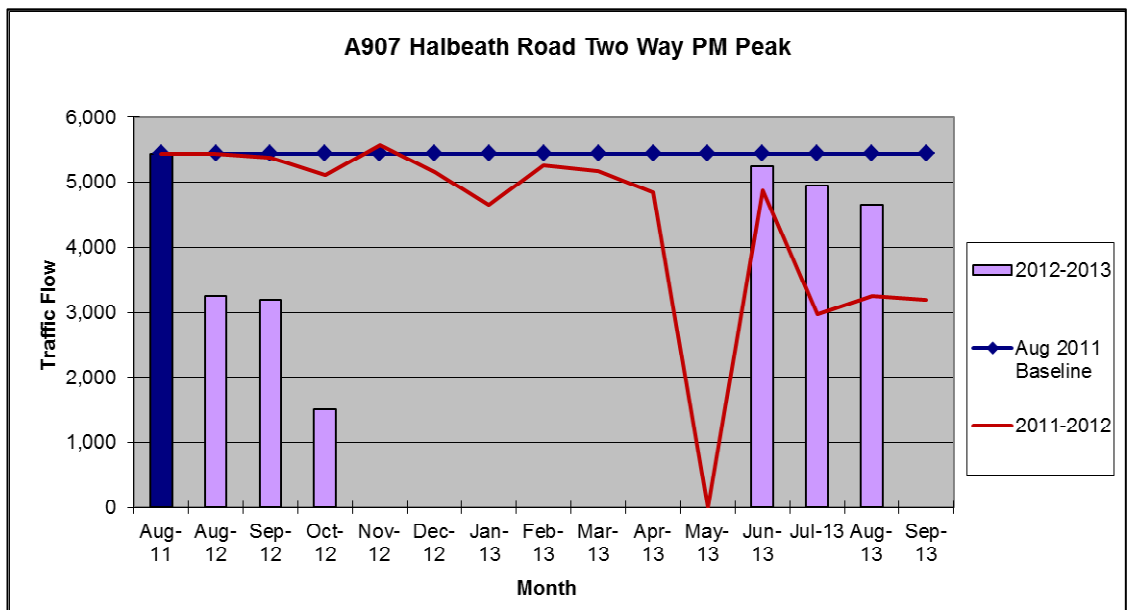


Figure 4-123 Monthly Two Way PM Peak Flows on the A907 Halbeath Road

### 4.7.4 Monthly Average HGV Flows

Table 4-46 Site: JTC00584 Annual HGV Traffic Flows – August 2012 to September 2013

Counter	Location	Date	EB	WB	Two Way
JTC00584	A907 Halbeath Road	Aug-11	139	129	268
		Aug-12	124	115	239
		Sep-12	123	112	235
		Oct-12	111	108	219
		Nov-12	No Data	No Data	No Data
		Dec-12	No Data	No Data	No Data
		Jan-13	No Data	No Data	No Data
		Feb-13	No Data	No Data	No Data
		Mar-13	No Data	No Data	No Data
		Apr-13	No Data	No Data	No Data
		May-13	No Data	No Data	No Data
		Jun-13	138	129	267
		Jul-13	140	132	271
		Aug-13	124	121	244
		Sep-13	No Data	No Data	No Data
		<b>Annual Average</b>			<b>127</b>

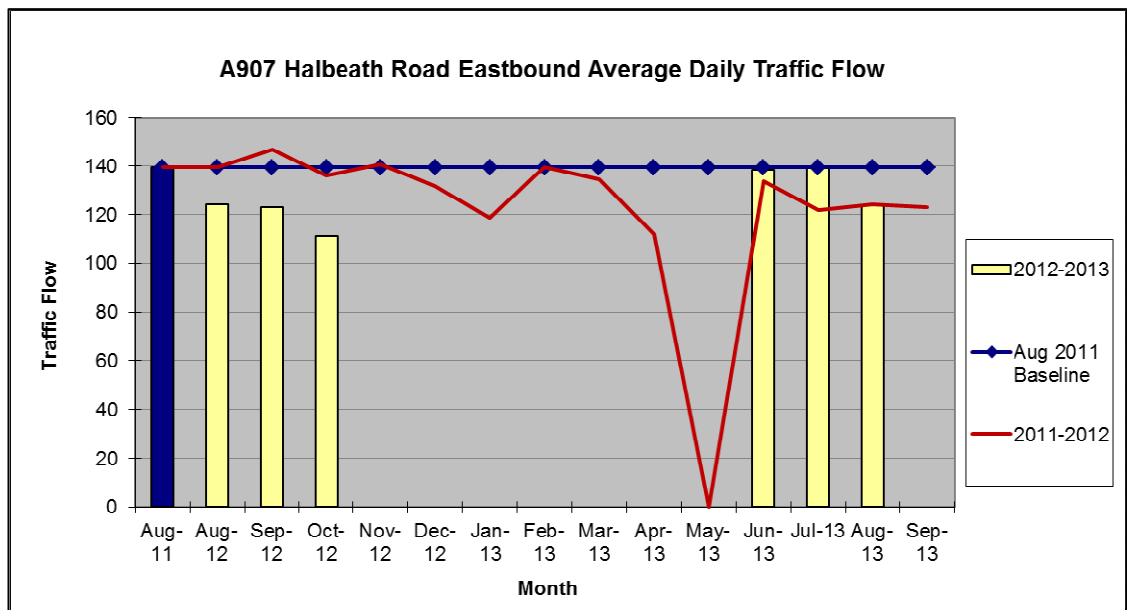


Figure 4-124 Monthly Eastbound HGV Flows on the A907 Halbeath Road

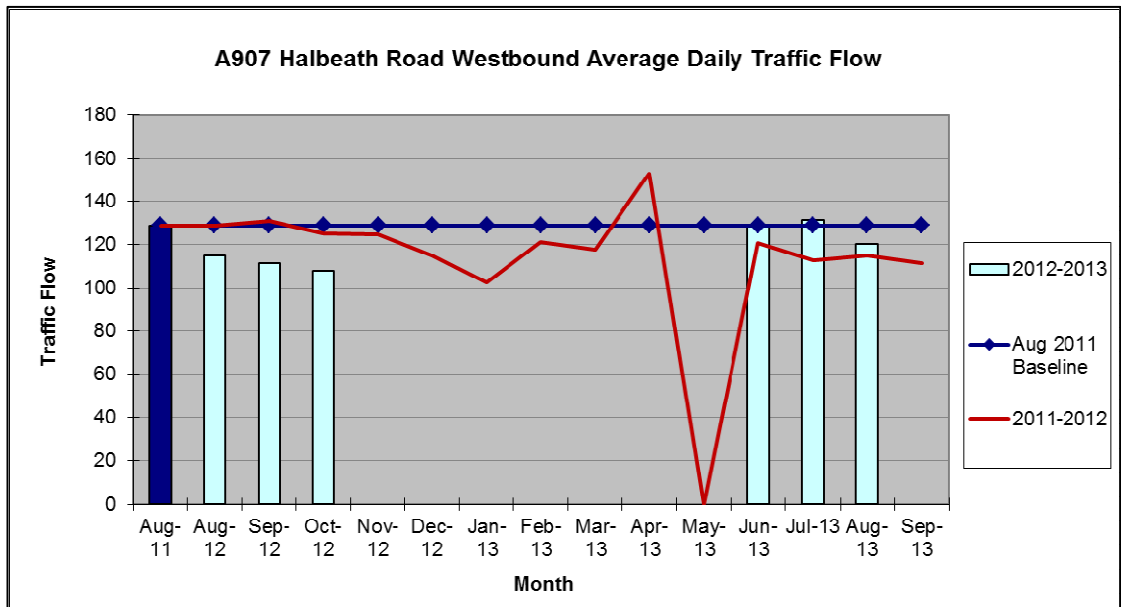


Figure 4-125 Monthly Westbound HGV Flows on the A907 Halbeath Road

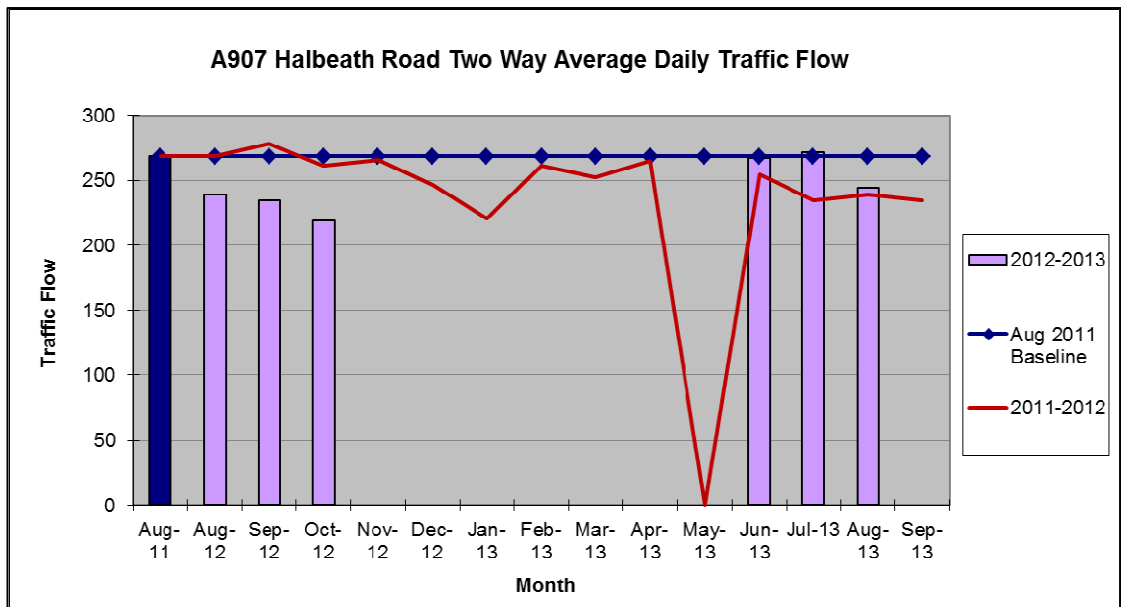


Figure 4-126 Monthly Two Way HGV Flows on the A907 Halbeath Road

### 4.7.5 Monthly Average AM Peak HGV Flows

Table 4-47 Site: JTC00584 AM Peak HGV Traffic Flows – August 2012 to September 2013

Counter	Location	Date	EB	WB	Two Way
JTC00584	A907 Halbeath Road	Aug-11	24	27	51
		Aug-12	26	25	50
		Sep-12	25	23	48
		Oct-12	28	29	57
		Nov-12	No Data	No Data	No Data
		Dec-12	No Data	No Data	No Data
		Jan-13	No Data	No Data	No Data
		Feb-13	No Data	No Data	No Data
		Mar-13	No Data	No Data	No Data
		Apr-13	No Data	No Data	No Data
		May-13	No Data	No Data	No Data
		Jun-13	23	25	48
		Jul-13	24	26	50
		Aug-13	22	23	45
		Sep-13	No Data	No Data	No Data
				<b>Annual Average</b>	<b>25</b>

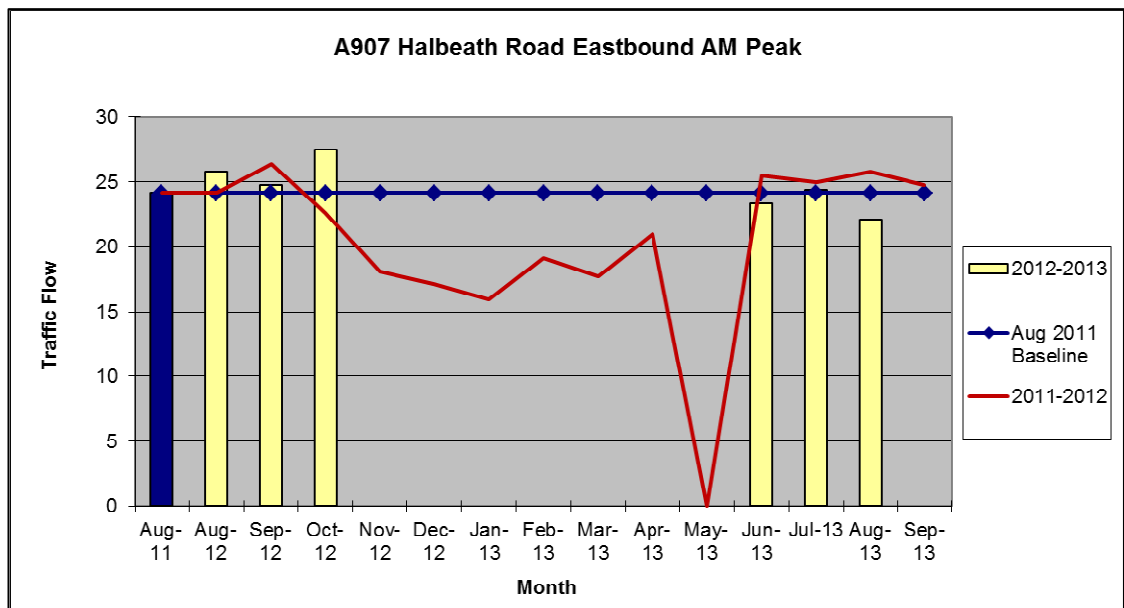


Figure 4-127 Monthly Eastbound AM Peak HGV Flows on the A907 Halbeath Road

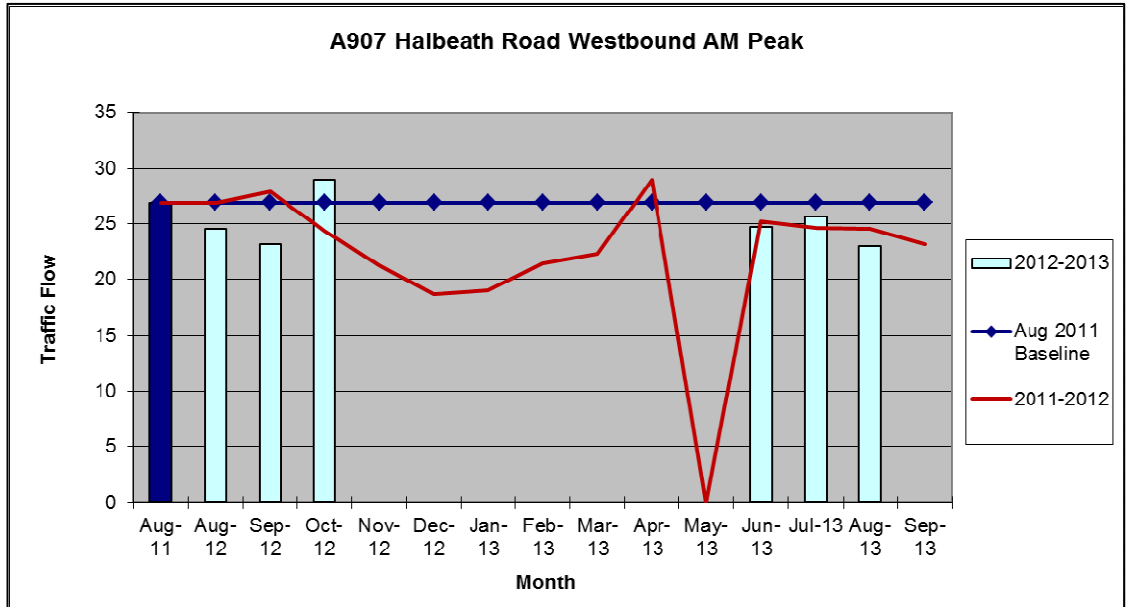


Figure 4-128 Monthly Westbound AM Peak HGV Flows on the A907 Halbeath Road

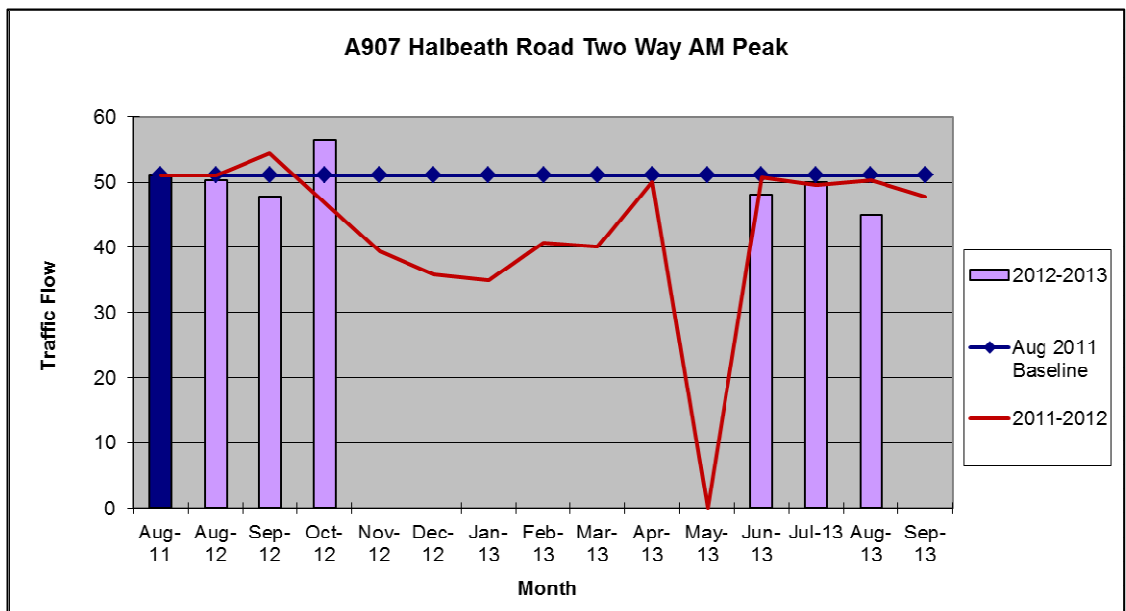


Figure 4-129 Monthly Two Way AM Peak HGV Flows on the A907 Halbeath Road

### 4.7.6 Monthly Average PM Peak HGV Flows

Table 4-48 Site: JTC00584 PM Peak HGV Traffic Flows – August 2012 to September 2013

Counter	Location	Date	EB	WB	Two Way
JTC00584	A907 Halbeath Road	Aug-11	27	22	49
		Aug-12	21	14	34
		Sep-12	20	13	33
		Oct-12	9	6	15
		Nov-12	No Data	No Data	No Data
		Dec-12	No Data	No Data	No Data
		Jan-13	No Data	No Data	No Data
		Feb-13	No Data	No Data	No Data
		Mar-13	No Data	No Data	No Data
		Apr-13	No Data	No Data	No Data
		May-13	No Data	No Data	No Data
		Jun-13	24	22	47
		Jul-13	27	22	49
		Aug-13	23	21	44
		Sep-13	No Data	No Data	No Data
		<b>Annual Average</b>			<b>20</b>

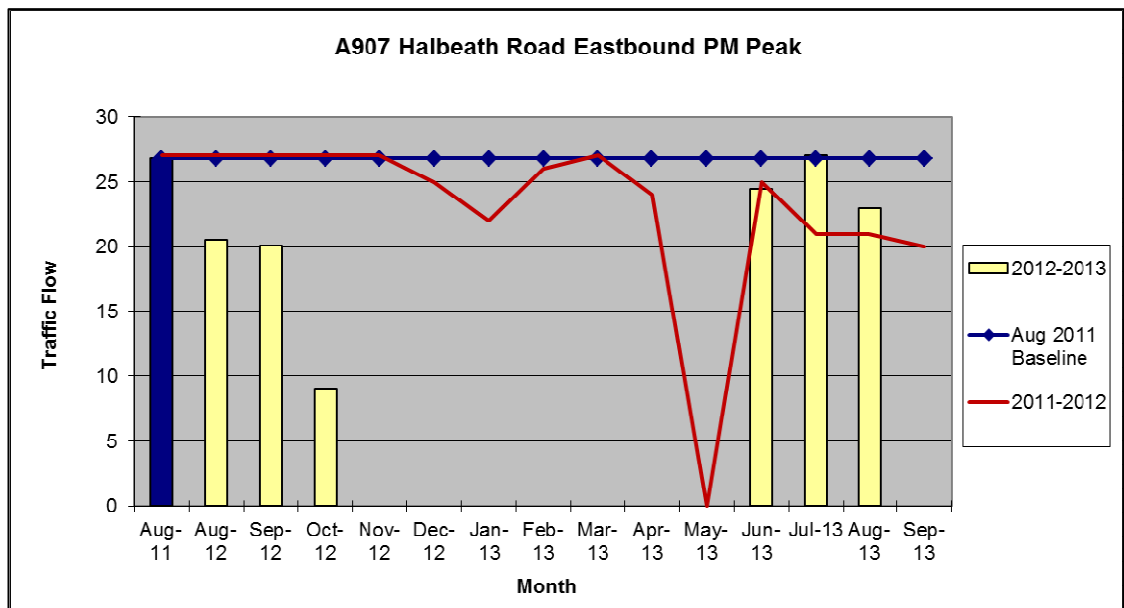


Figure 4-130 Monthly Eastbound PM HGV Peak Flows on the A907 Halbeath Road

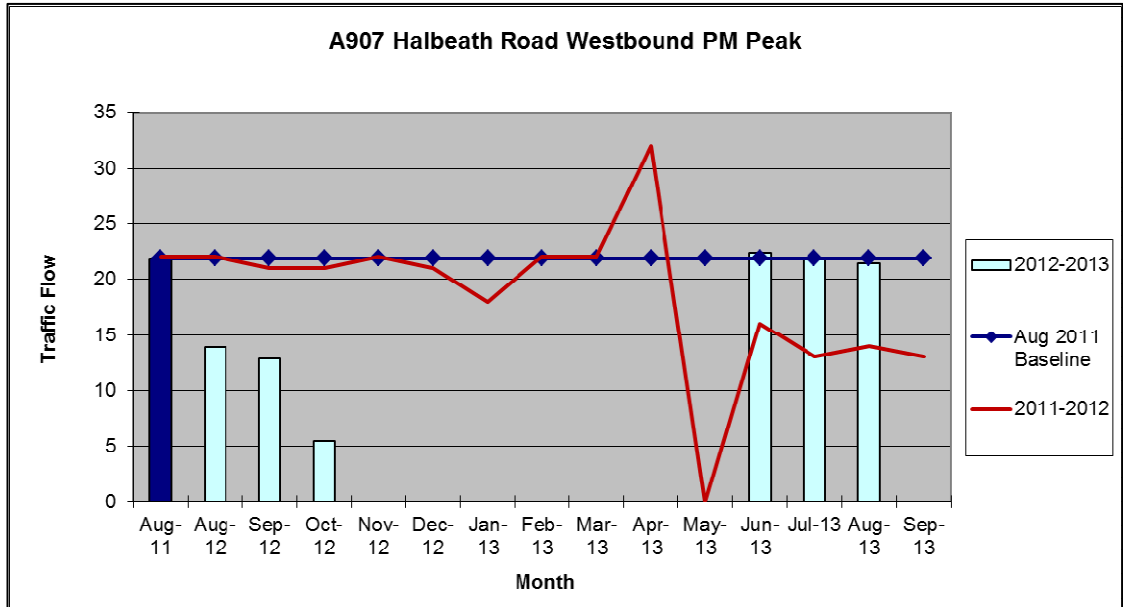


Figure 4-131 Monthly Westbound PM Peak HGV Flows on the A907 Halbeath Road

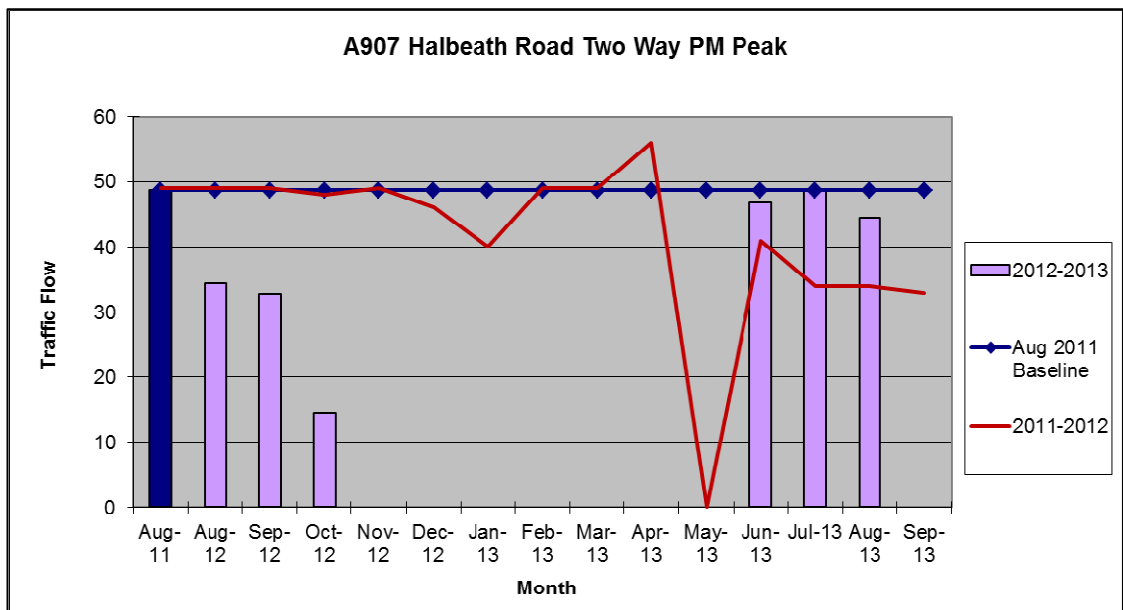
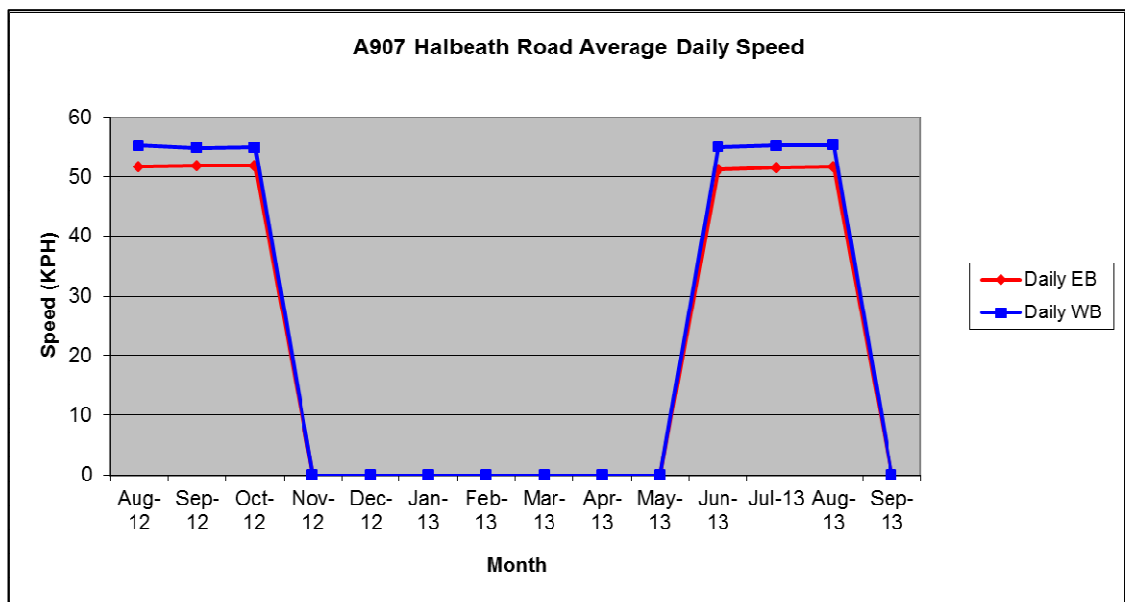


Figure 4-132 Monthly Two Way PM Peak HGV Flows on the A907 Halbeath Road

### 4.7.7 Monthly Average All Vehicles Traffic Speeds

**Table 4-49 Site: JTC00584 Average Monthly Traffic Speeds (KPH) (All Vehicles) – August 2012 to September 2013**

Counter	Location	Date	EB	WB
JTC00584	A907 Halbeath Road	Aug-12	52	55
		Sep-12	52	55
		Oct-12	52	55
		Nov-12	No Data	No Data
		Dec-12	No Data	No Data
		Jan-13	No Data	No Data
		Feb-13	No Data	No Data
		Mar-13	No Data	No Data
		Apr-13	No Data	No Data
		May-13	No Data	No Data
		Jun-13	51	55
		Jul-13	51	55
		Aug-13	52	55
		Sep-13	No Data	No Data



**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 2012 to September 2013

Counter	Location	Date	EB	WB	Two Way
JTC00598	B800 Ferry Muir Road	Aug-11	7,532	7,299	14,830
		Aug-12	7,865	7,408	15,274
		Sep-12	7,506	7,172	14,678
		Oct-12	7,367	6,849	14,216
		Nov-12	7,142	7,078	14,220
		Dec-12	6,000	8,893	14,893
		Jan-13	No Data	No Data	No Data
		Feb-13	No Data	No Data	No Data
		Mar-13	No Data	No Data	No Data
		Apr-13	5,512	5,494	11,006
		May-13	7,454	7,267	14,722
		Jun-13	7,632	7,396	15,029
		Jul-13	7,332	7,208	14,540
		Aug-13	7,584	7,423	15,007
		Sep-13	7,178	6,946	14,123
			<b>Annual Average</b>		<b>7,090</b>

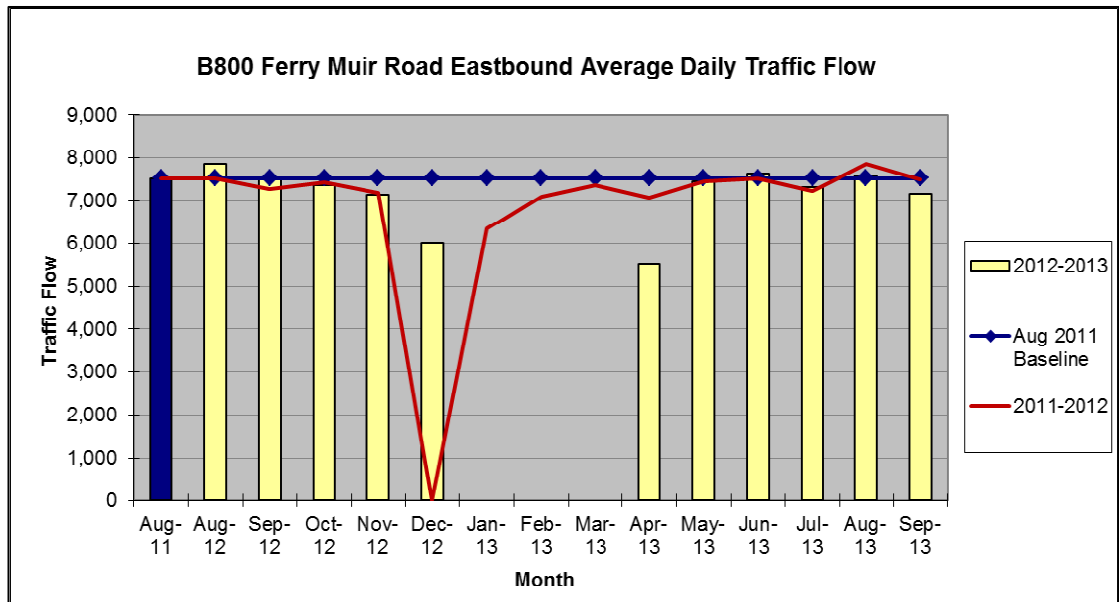


Figure 4-134 Monthly Eastbound AADTs on the B800 Ferry Muir Road

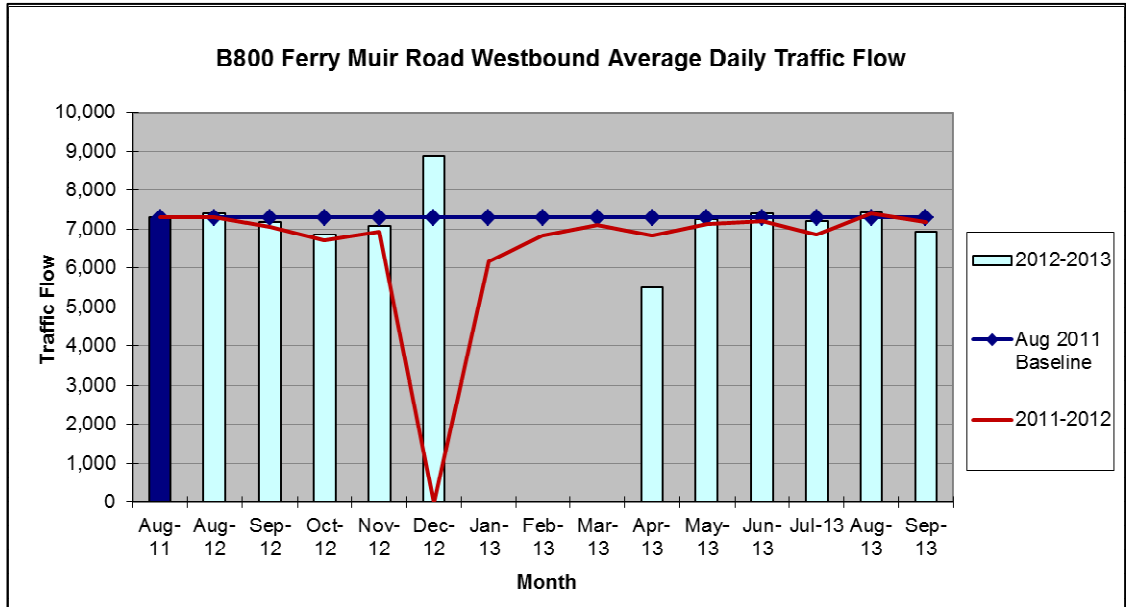


Figure 4-135 Monthly Westbound AADTs on the B800 Ferry Muir Road

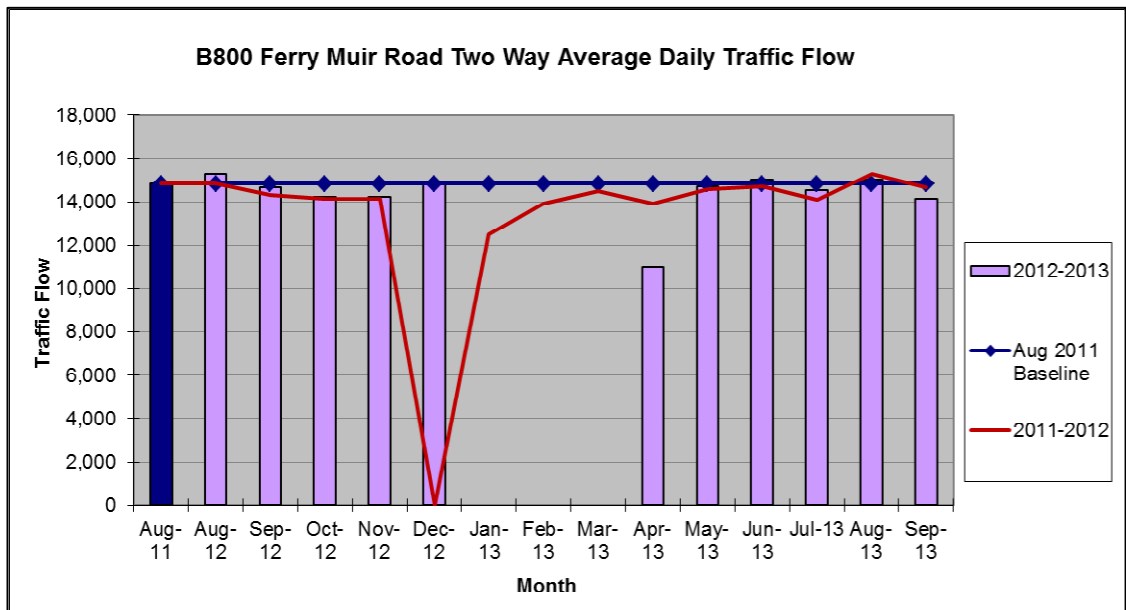


Figure 4-136 Monthly Two Way Daily Traffic Flows on the B800 Ferry Muir Road

### 4.8.2 Monthly Average AM Peak Traffic Flows

Table 4-51 Site: JTC00598 AM Peak Traffic Flows – August 2012 to September 2013

Counter	Location	Date	EB	WB	Two Way
JTC00598	B800 Ferry Muir Road	Aug-11	1,335	1,006	2,341
		Aug-12	1,376	1,064	2,440
		Sep-12	1,343	1,048	2,391
		Oct-12	1,380	1,030	2,410
		Nov-12	1,430	1,064	2,494
		Dec-12	1,289	1,412	2,701
		Jan-13	No Data	No Data	No Data
		Feb-13	No Data	No Data	No Data
		Mar-13	No Data	No Data	No Data
		Apr-13	748	633	1,381
		May-13	1,299	1,166	2,465
		Jun-13	1,355	1,130	2,485
		Jul-13	1,215	1,111	2,326
		Aug-13	1,307	1,149	2,456
		Sep-13	1,249	1,086	2,335
<b>Annual Average</b>			<b>1,271</b>	<b>1,073</b>	<b>2,344</b>

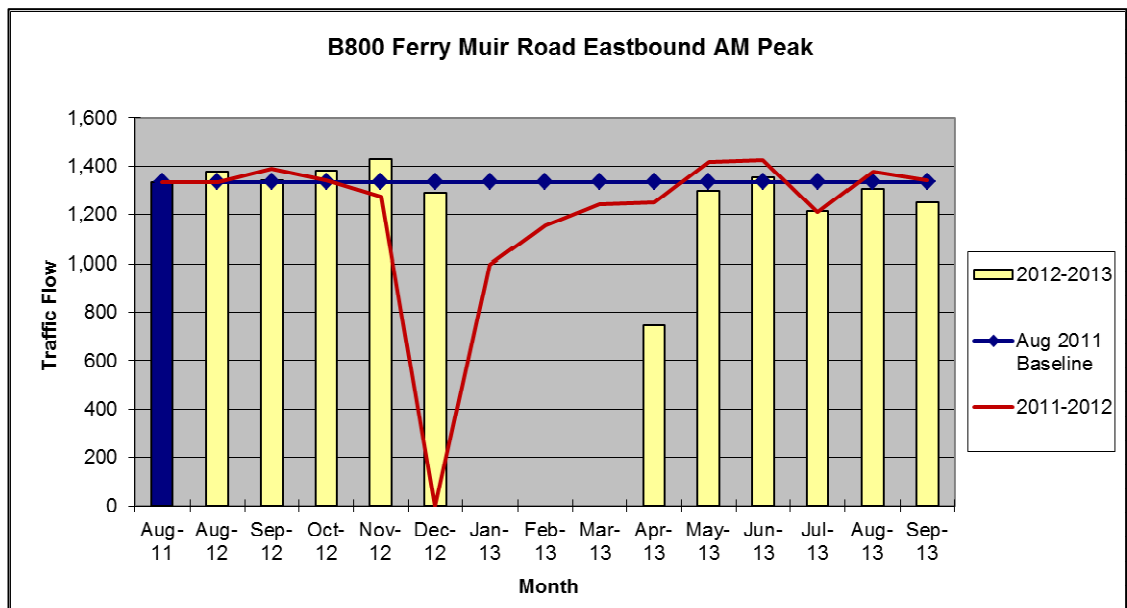


Figure 4-137 Monthly Eastbound AM Peak Flows on the B800 Ferry Muir Road

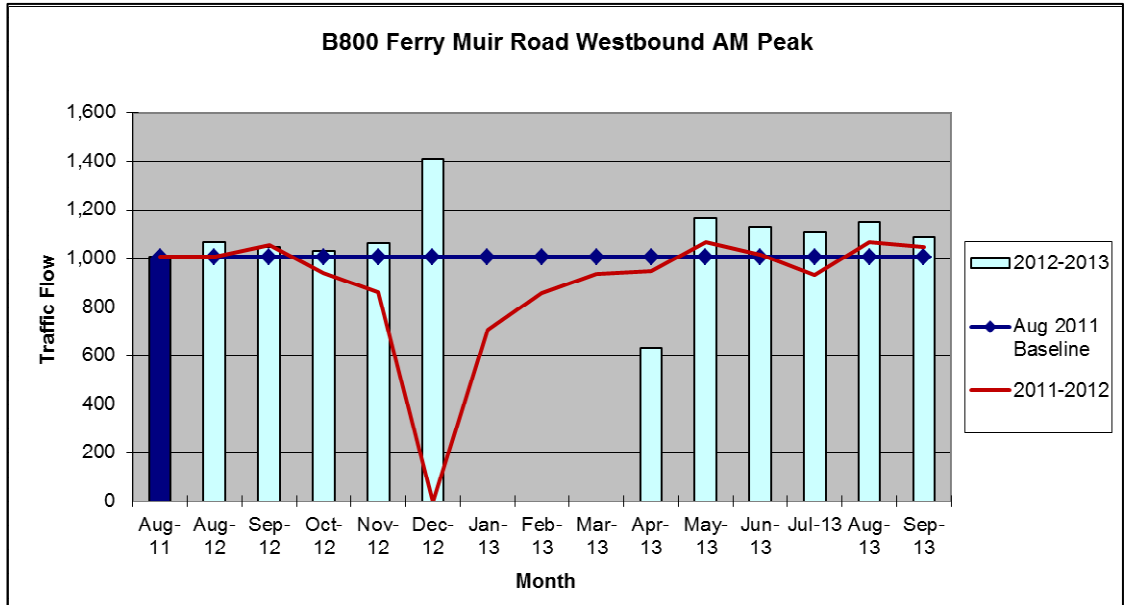


Figure 4-138 Monthly Westbound AM Peak Flows on the B800 Ferry Muir Road

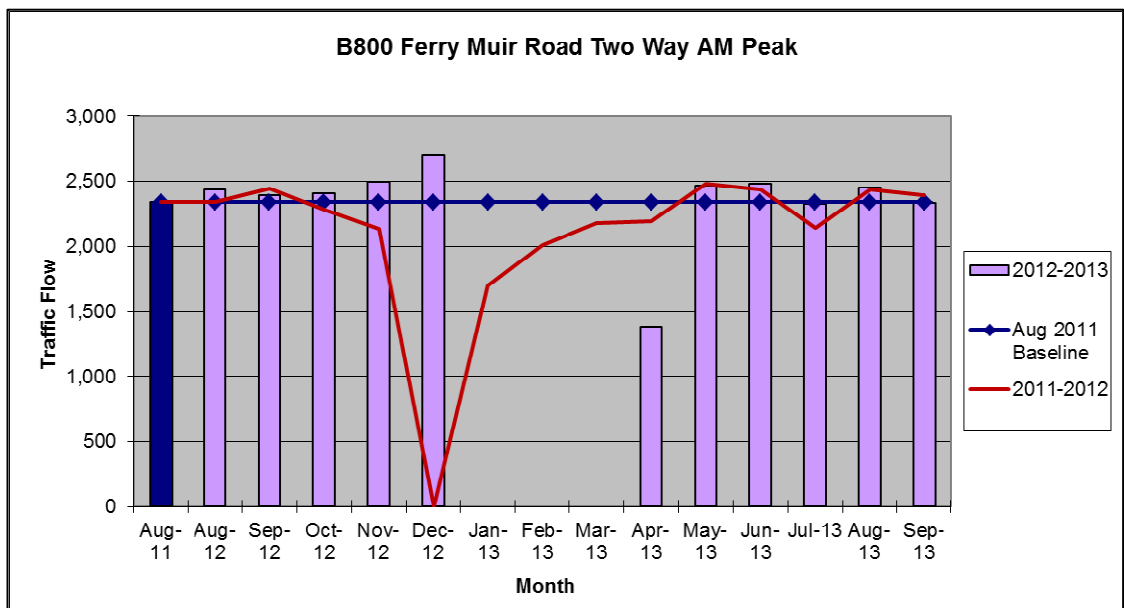


Figure 4-139 Monthly Two Way AM Peak Flows on the B800 Ferry Muir Road

### 4.8.3 Monthly Average PM Peak Traffic Flows

Table 4-52 Site: JTC00598 PM Peak Traffic Flows – August 2012 to September 2013

Counter	Location	Date	EB	WB	Two Way
JTC00598	B800 Ferry Muir Road	Aug-11	1,637	1,898	3,535
		Aug-12	1,756	1,806	3,562
		Sep-12	1,699	1,787	3,486
		Oct-12	1,635	1,730	3,365
		Nov-12	1,520	1,745	3,265
		Dec-12	1,117	1,345	2,461
		Jan-13	No Data	No Data	No Data
		Feb-13	No Data	No Data	No Data
		Mar-13	No Data	No Data	No Data
		Apr-13	1,515	1,527	3,042
		May-13	1,513	1,543	3,056
		Jun-13	1,511	1,580	3,091
		Jul-13	1,473	1,484	2,957
		Aug-13	1,541	1,591	3,133
		Sep-13	1,451	1,511	2,963
	<b>Annual Average</b>	<b>1,526</b>	<b>1,616</b>	<b>3,143</b>	

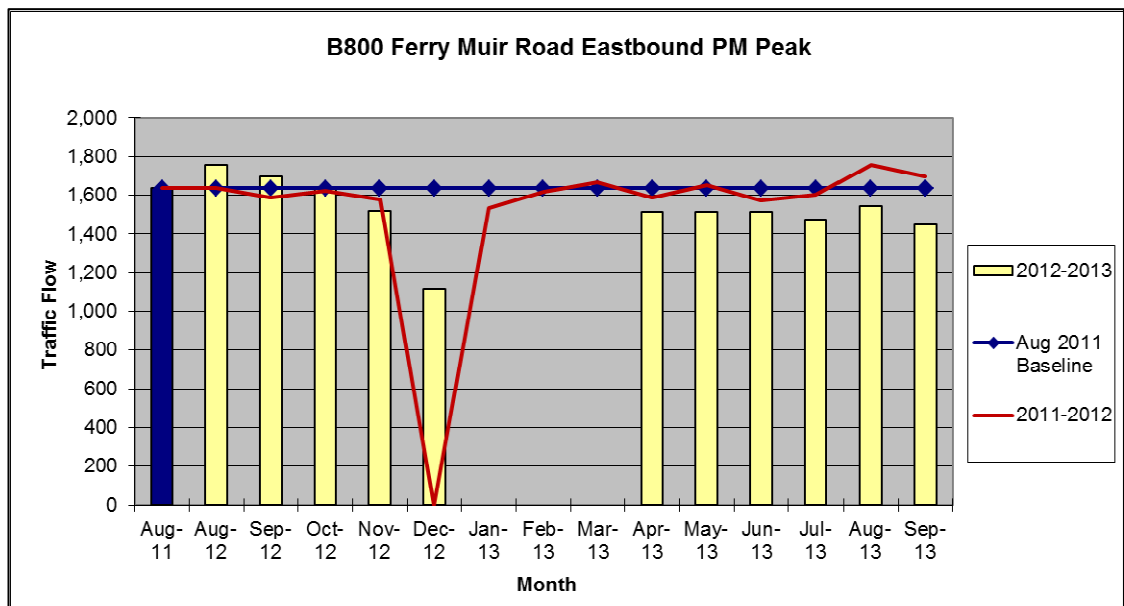


Figure 4-140 Monthly Eastbound PM Peak Flows on the B800 Ferry Muir Road

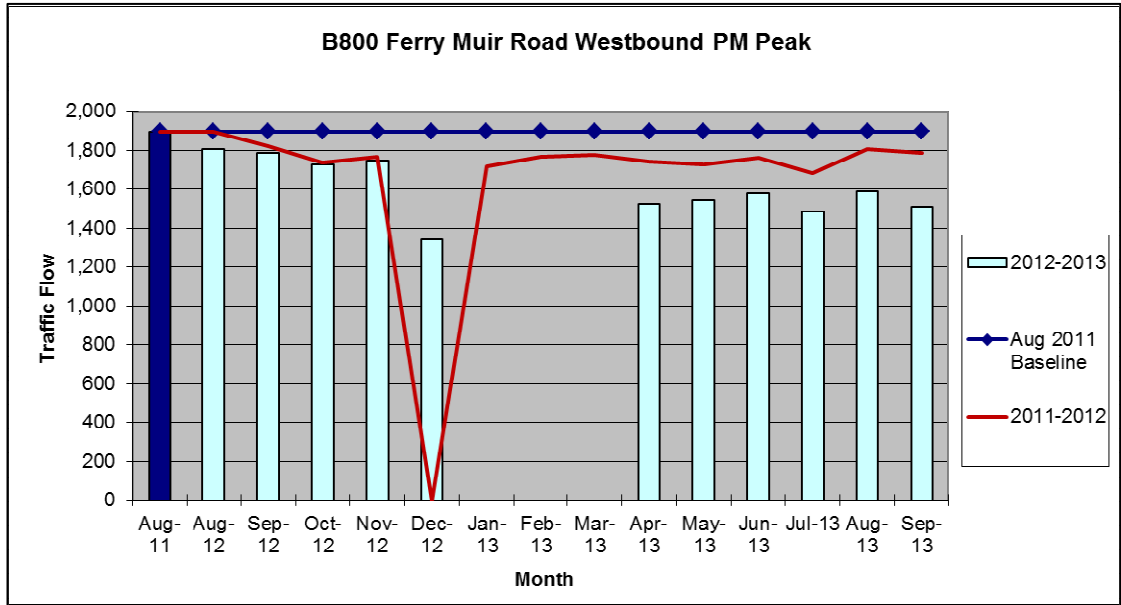


Figure 4-141 Monthly Westbound PM Peak Flows on the B800 Ferry Muir Road

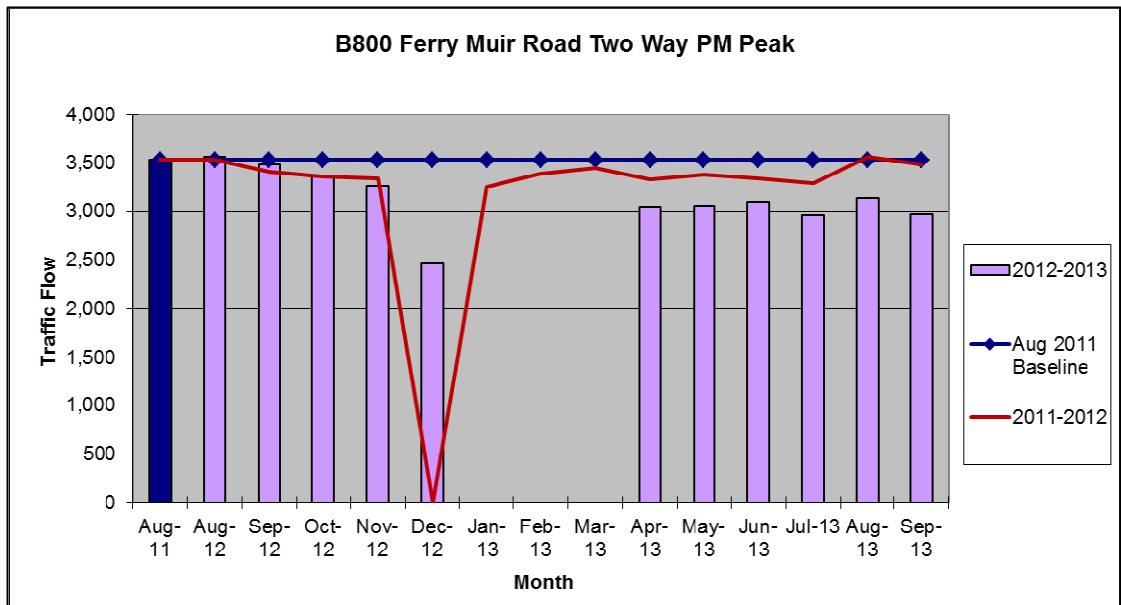


Figure 4-142 Monthly Two Way PM Peak Flows on the B800 Ferry Muir Road

#### 4.8.4 Monthly Average HGV Flows

Table 4-53 Site: JTC00598 Annual HGV Traffic Flows – August 2012 to September 2013

Counter	Location	Date	EB	WB	Two Way
JTC00598	B800 Ferry Muir Road	Aug-11	100	119	219
		Aug-12	131	143	274
		Sep-12	119	135	254
		Oct-12	122	141	263
		Nov-12	89	109	198
		Dec-12	53	60	113
		Jan-13	No Data	No Data	No Data
		Feb-13	No Data	No Data	No Data
		Mar-13	No Data	No Data	No Data
		Apr-13	49	74	123
		May-13	65	94	159
		Jun-13	70	96	166
		Jul-13	67	92	159
		Aug-13	75	97	172
		Sep-13	69	90	159
			<b>Annual Average</b>		<b>85</b>

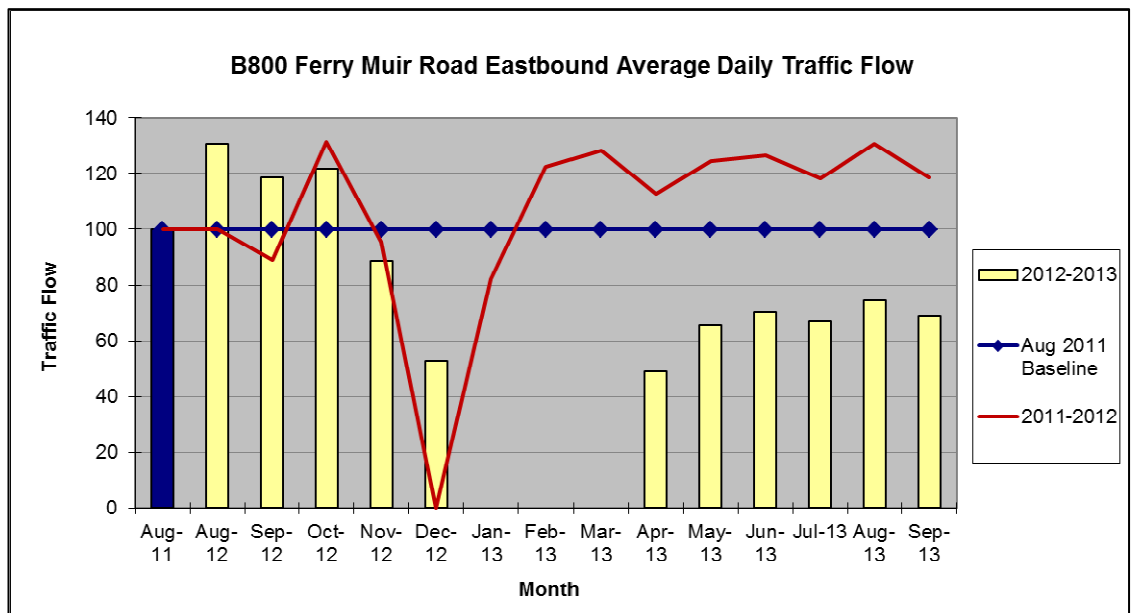


Figure 4-143 Monthly Eastbound HGV Flows on the B800 Ferry Muir Road

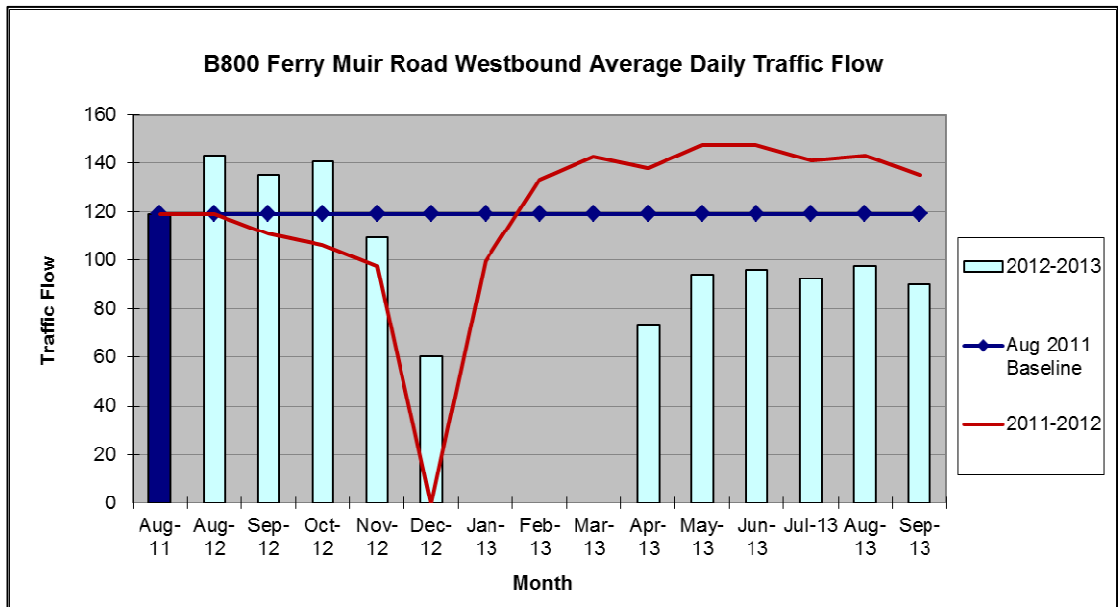


Figure 4-144 Monthly Westbound HGV Flows on the B800 Ferry Muir Road

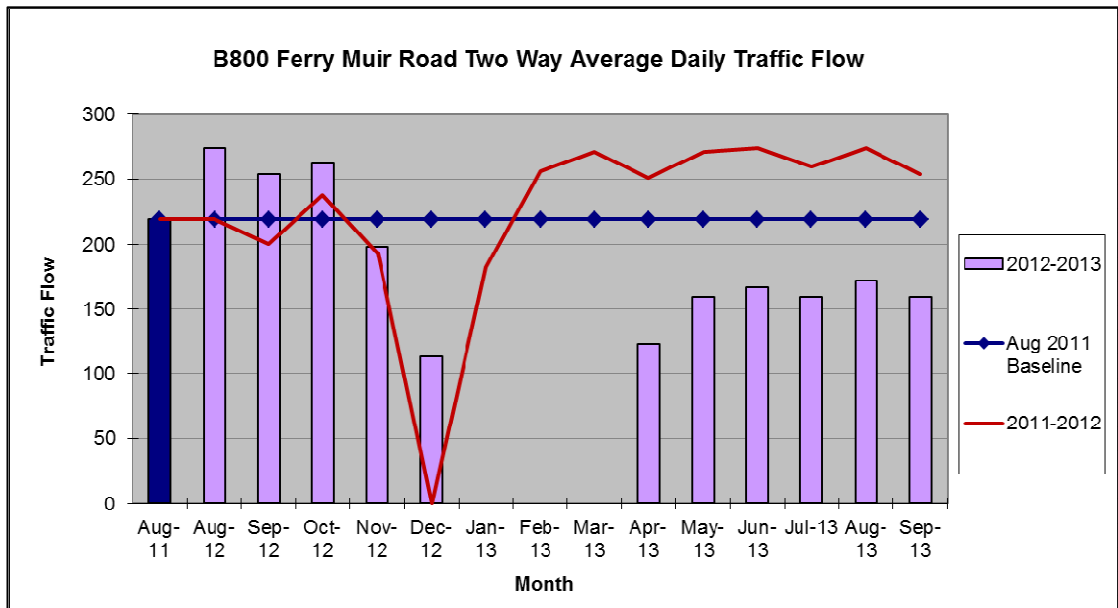


Figure 4-145 Monthly Two Way HGV Flows on the B800 Ferry Muir Road



### 4.8.5 Monthly Average AM Peak HGV Flows

Table 4-54 Site: JTC00598 AM Peak HGV Traffic Flows – August 2012 to September 2013

Counter	Location	Date	EB	WB	Two Way
JTC00598	B800 Ferry Muir Road	Aug-11	22	21	42
		Aug-12	25	23	49
		Sep-12	22	23	45
		Oct-12	23	24	47
		Nov-12	19	20	39
		Dec-12	13	13	26
		Jan-13	No Data	No Data	No Data
		Feb-13	No Data	No Data	No Data
		Mar-13	No Data	No Data	No Data
		Apr-13	5	11	16
		May-13	15	20	35
		Jun-13	14	20	35
		Jul-13	14	19	33
		Aug-13	17	21	38
		Sep-13	15	18	33
<b>Annual Average</b>			<b>17</b>	<b>19</b>	<b>36</b>

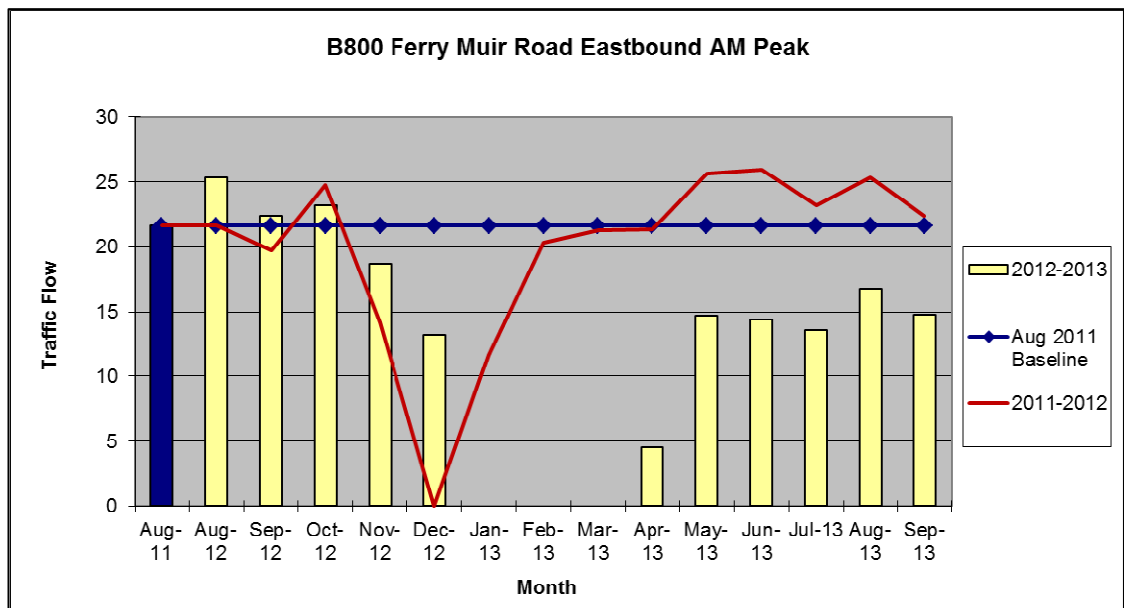


Figure 4-146 Monthly Eastbound AM Peak HGV Flows on the B800 Ferry Muir Road

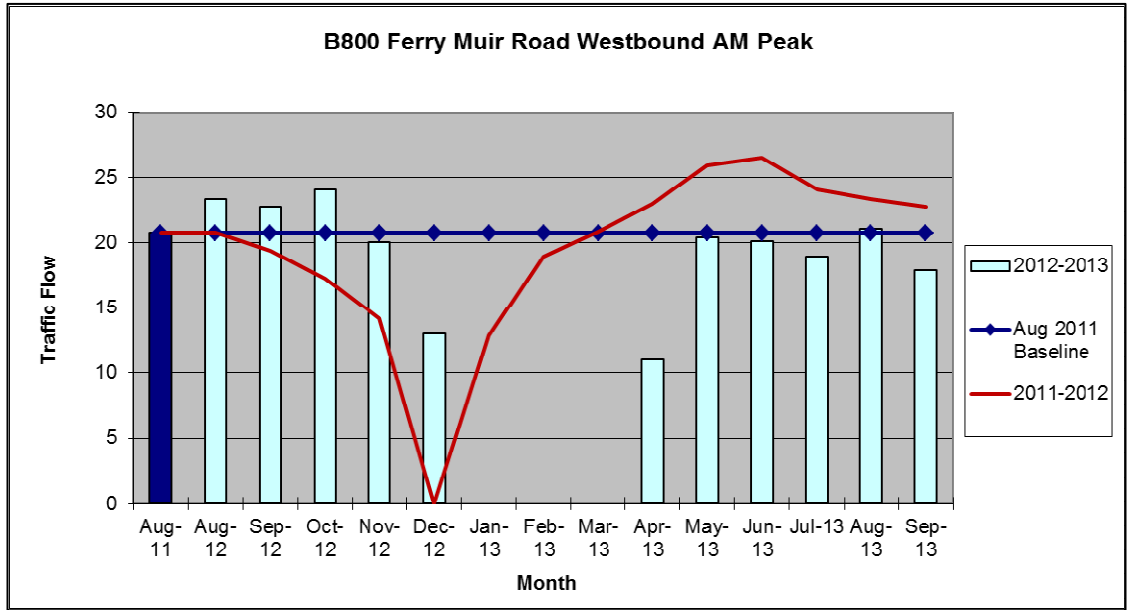


Figure 4-147 Monthly Westbound AM Peak HGV Flows on the B800 Ferry Muir Road

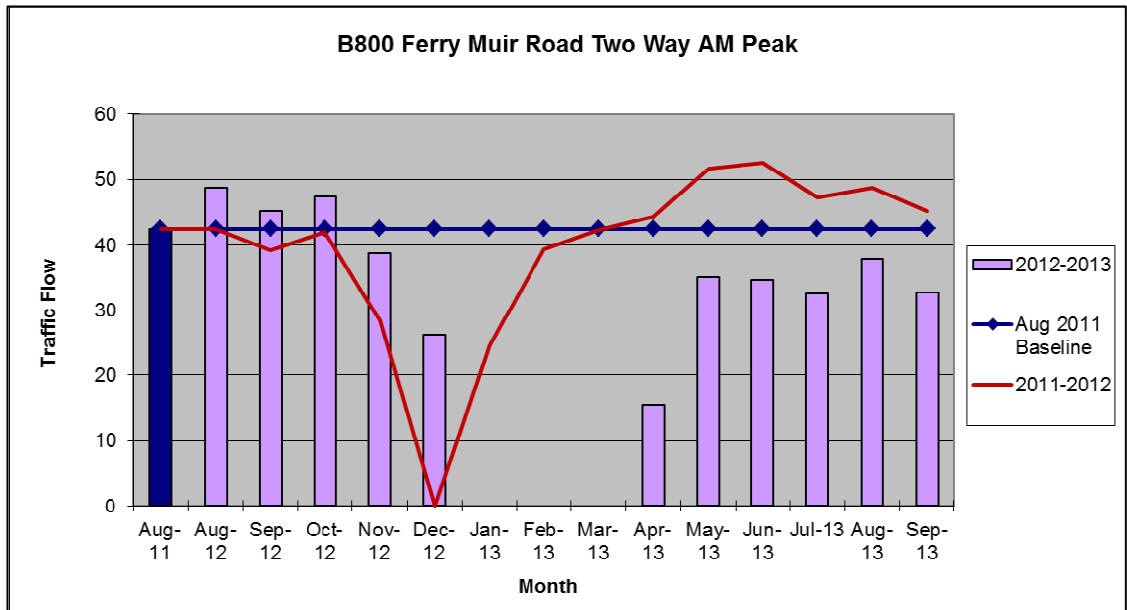


Figure 4-148 Monthly Two Way AM Peak HGV Flows on the B800 Ferry Muir Road

### 4.8.6 Monthly Average PM Peak HGV Flows

Table 4-55 Site: JTC00598 PM Peak HGV Traffic Flows – August 2012 to September 2013

Counter	Location	Date	EB	WB	Two Way
JTC00598	B800 Ferry Muir Road	Aug-11	17	23	40
		Aug-12	21	26	47
		Sep-12	19	24	43
		Oct-12	18	24	43
		Nov-12	14	18	32
		Dec-12	8	11	20
		Jan-13	No Data	No Data	No Data
		Feb-13	No Data	No Data	No Data
		Mar-13	No Data	No Data	No Data
		Apr-13	16	21	37
		May-13	13	16	29
		Jun-13	13	17	29
		Jul-13	13	16	29
		Aug-13	13	17	31
		Sep-13	13	16	29
<b>Annual Average</b>			<b>15</b>	<b>19</b>	<b>34</b>

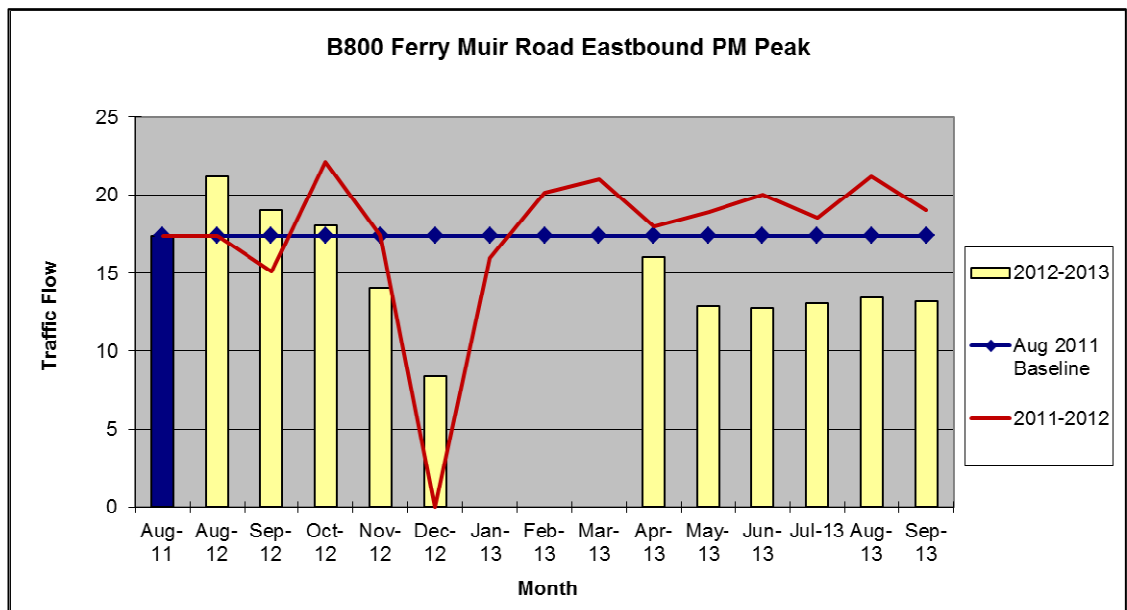


Figure 4-149 Monthly Eastbound PM HGV Peak Flows on the B800 Ferry Muir Road

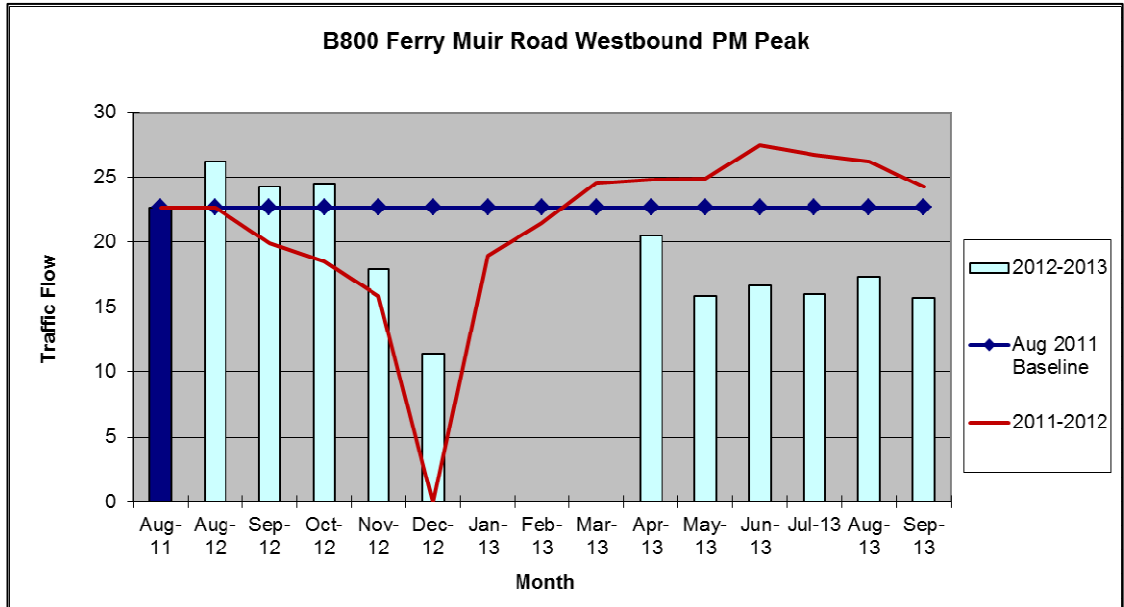


Figure 4-150 Monthly Westbound PM Peak HGV Flows on the B800 Ferry Muir Road

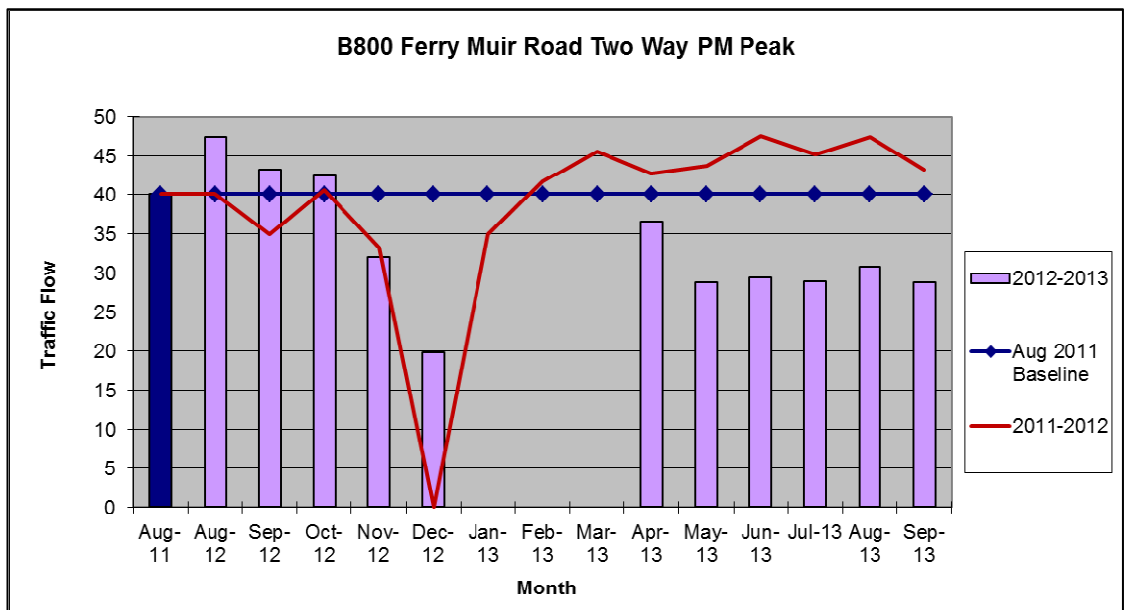


Figure 4-151 Monthly Two Way PM Peak HGV Flows on the B800 Ferry Muir Road

4.8.7 Monthly Average All Vehicles Traffic Speeds

Table 4-56 Site: JTC00598 Average Monthly Traffic Speeds (KPH) (All Vehicles) – August 2012 to September 2013

Counter	Location	Date	EB	WB
JTC00598	B800 Ferry Muir Road	Aug-12	56	49
		Sep-12	56	49
		Oct-12	56	49
		Nov-12	56	49
		Dec-12	53	45
		Jan-13	No Data	No Data
		Feb-13	No Data	No Data
		Mar-13	No Data	No Data
		Apr-13	57	49
		May-13	56	49
		Jun-13	56	49
		Jul-13	56	49
		Aug-13	56	49
		Sep-13	56	49

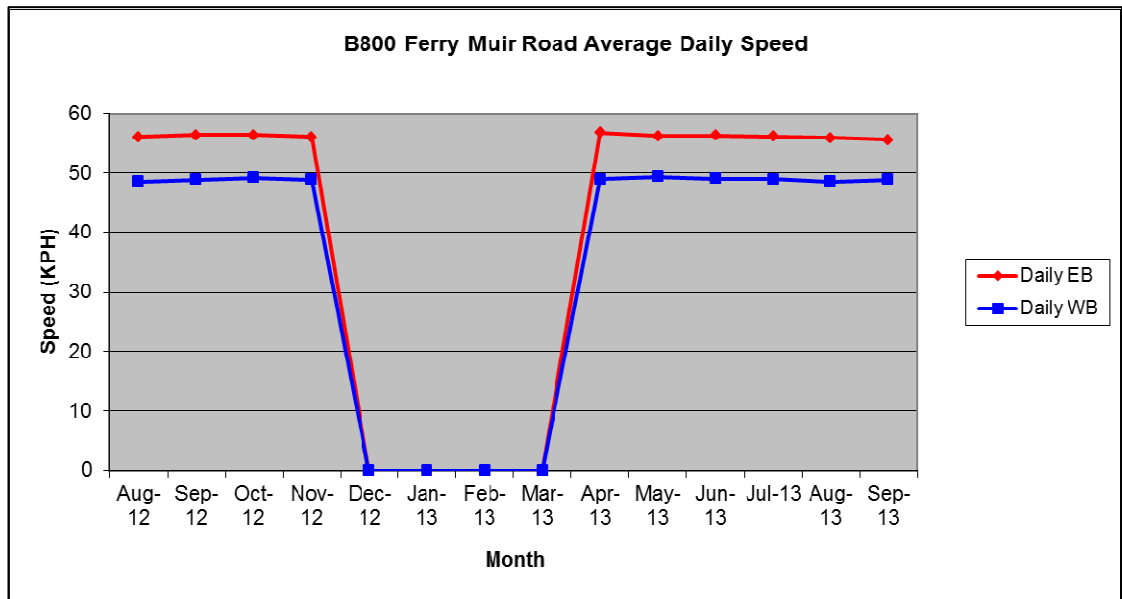


Figure 4-152 Average Monthly Traffic Speeds (KPH) on the B800 Ferry Muir Road

## 4.9 Traffic Counter JTC00602 – A89

### 4.9.1 Monthly Average Traffic Flows

Table 3-57 Site: JTC00602 Annual Traffic Flows – August 2012 to September 2013

Counter	Location	Date	EB	WB	Two Way
JTC00602	A89	Aug-11	8,332	8,102	16,434
		Aug-12	8,252	8,209	16,461
		Sep-12	8,103	7,966	16,069
		Oct-12	7,878	7,738	15,616
		Nov-12	8,067	8,077	16,143
		Dec-12	7,148	6,993	14,141
		Jan-13	7,309	6,946	14,254
		Feb-13	8,091	7,857	15,948
		Mar-13	7,017	6,876	13,893
		Apr-13	7,580	7,361	14,942
		May-13	8,288	7,912	16,200
		Jun-13	8,006	7,749	15,755
		Jul-13	8,118	7,716	15,834
		Aug-13	8,367	7,862	16,229
		Sep-13	7,729	7,361	15,090
		<b>Annual Average</b>	<b>7,821</b>	<b>7,617</b>	<b>15,438</b>

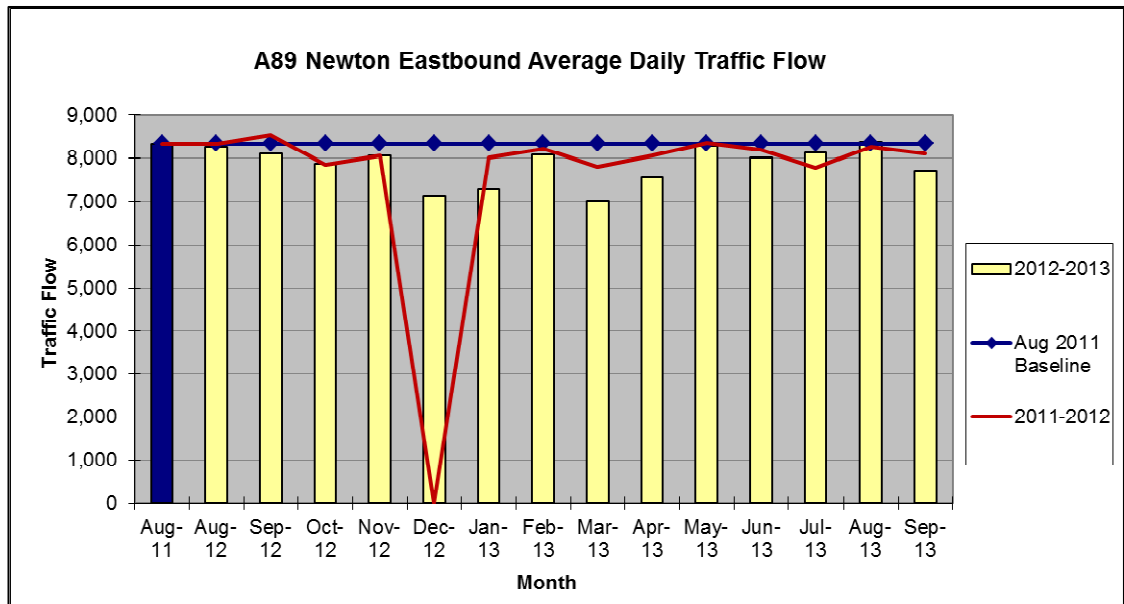


Figure 4-153 Monthly Eastbound AADTs on the A89

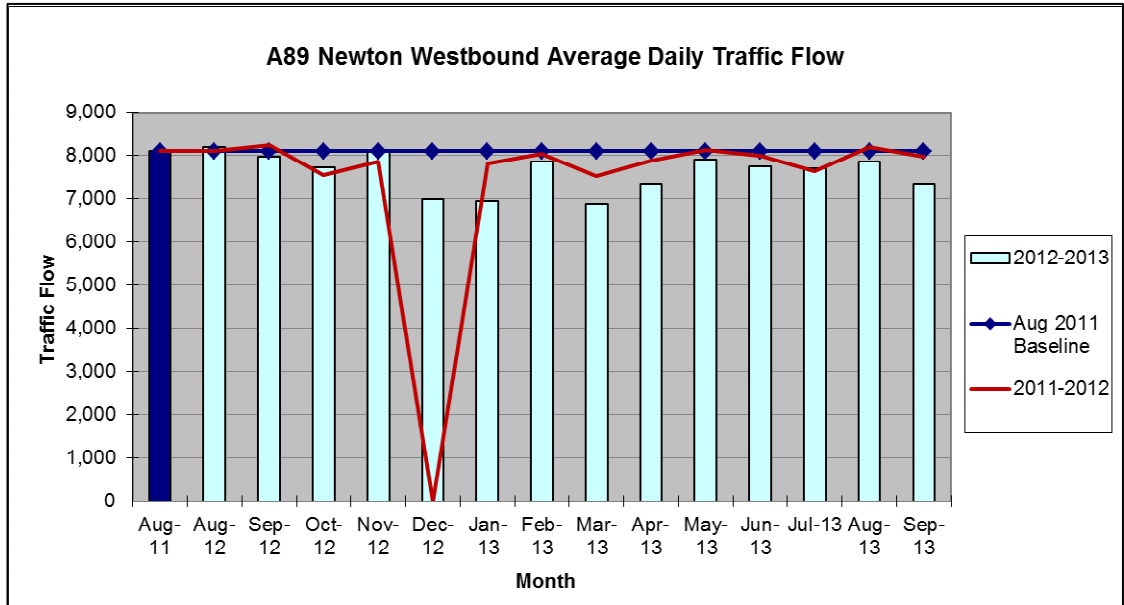


Figure 4-154 Monthly Westbound AADTs on the A89

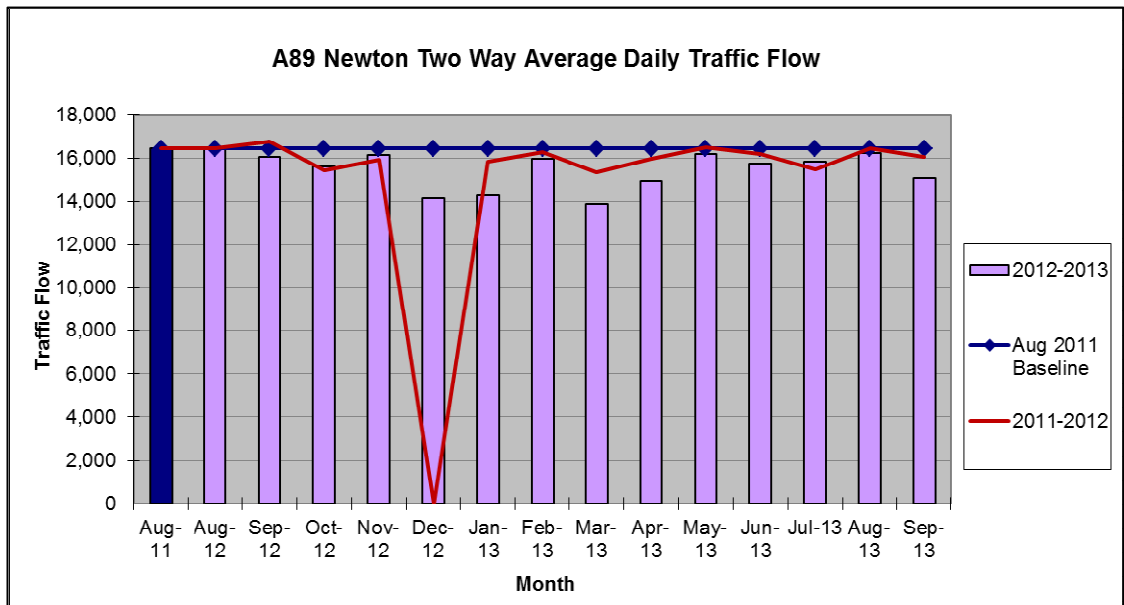


Figure 4-155 Monthly Two Way Daily Traffic Flows on the A89

### 4.9.2 Monthly Average AM Peak Traffic Flows

Table 4-58 Site: JTC00602 AM Peak Traffic Flows – August 2012 to September 2013

Counter	Location	Date	EB	WB	Two Way
JTC00602	A89	Aug-11	1,910	1,271	3,181
		Aug-12	1,948	1,254	3,202
		Sep-12	1,959	1,232	3,191
		Oct-12	1,960	1,198	3,159
		Nov-12	1,965	1,081	3,045
		Dec-12	1,606	982	2,588
		Jan-13	1,923	1,160	3,083
		Feb-13	2,101	1,256	3,356
		Mar-13	1,776	1,091	2,867
		Apr-13	1,841	1,145	2,986
		May-13	2,102	1,291	3,392
		Jun-13	1,990	1,207	3,197
		Jul-13	1,963	1,200	3,163
		Aug-13	1,999	1,237	3,237
		Sep-13	1,952	1,189	3,141
		<b>Annual Average</b>	<b>1,928</b>	<b>1,175</b>	<b>3,103</b>

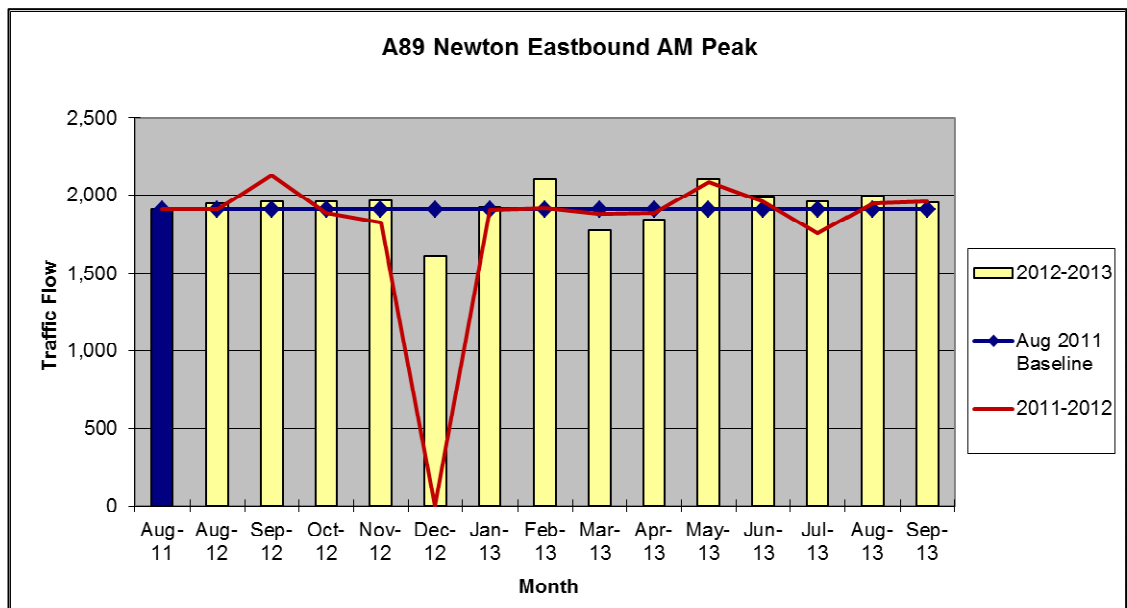


Figure 4-156 Monthly Eastbound AM Peak Flows on the A89



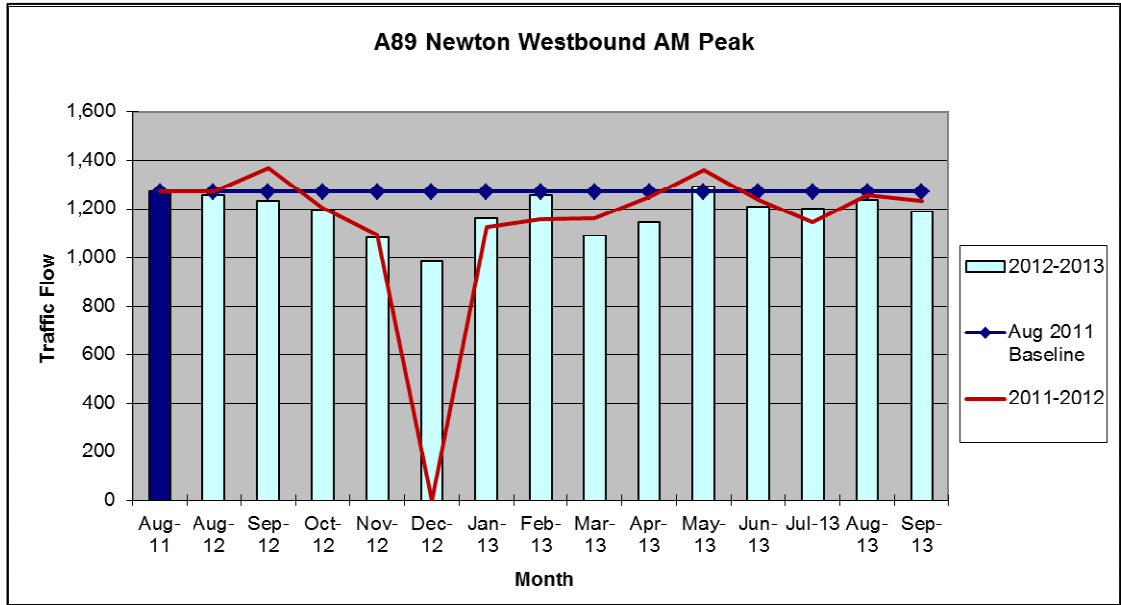


Figure 4-157 Monthly Westbound AM Peak Flows on the A89

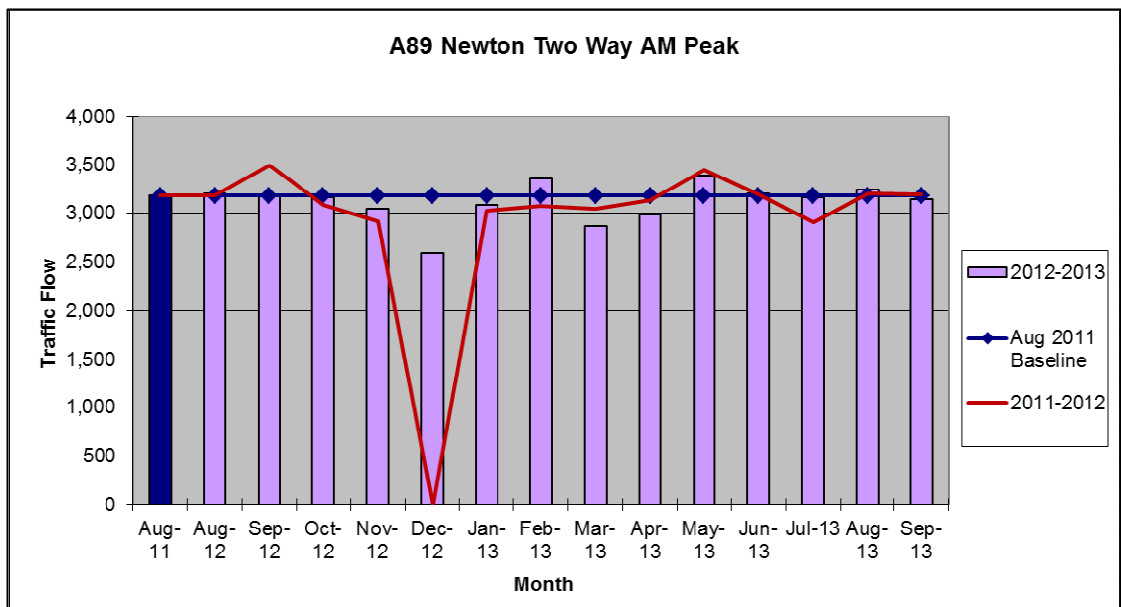


Figure 4-158 Monthly Two Way AM Peak Flows on the A89

### 4.9.3 Monthly Average PM Peak Traffic Flows

Table 4-59 Site: JTC00602 PM Peak Traffic Flows – August 2012 to September 2013

Counter	Location	Date	EB	WB	Two Way
JTC00602	A89	Aug-11	1,679	2,083	3,762
		Aug-12	1,581	2,128	3,709
		Sep-12	1,524	2,033	3,557
		Oct-12	1,500	2,034	3,534
		Nov-12	1,644	2,231	3,875
		Dec-12	1,305	1,697	3,003
		Jan-13	1,272	1,759	3,031
		Feb-13	1,506	2,084	3,590
		Mar-13	1,300	1,791	3,091
		Apr-13	1,461	1,931	3,392
		May-13	1,550	2,051	3,600
		Jun-13	1,470	1,997	3,467
		Jul-13	1,490	1,970	3,459
		Aug-13	1,575	2,016	3,591
		Sep-13	1,423	1,895	3,318
<b>Annual Average</b>			<b>1,467</b>	<b>1,975</b>	<b>3,442</b>

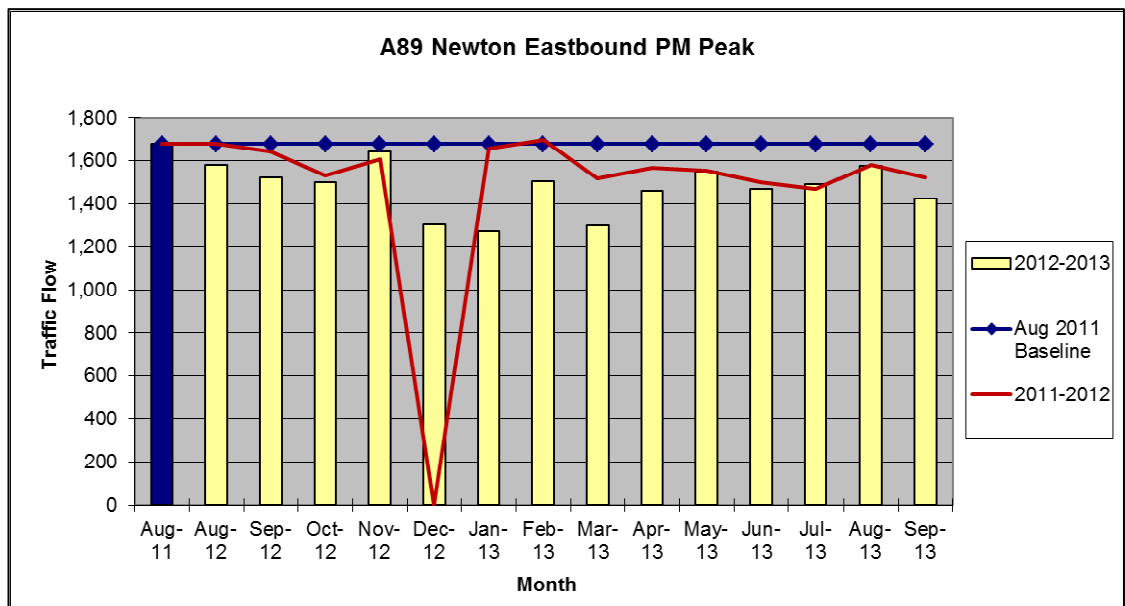


Figure 4-159 Monthly Eastbound PM Peak Flows on the A89

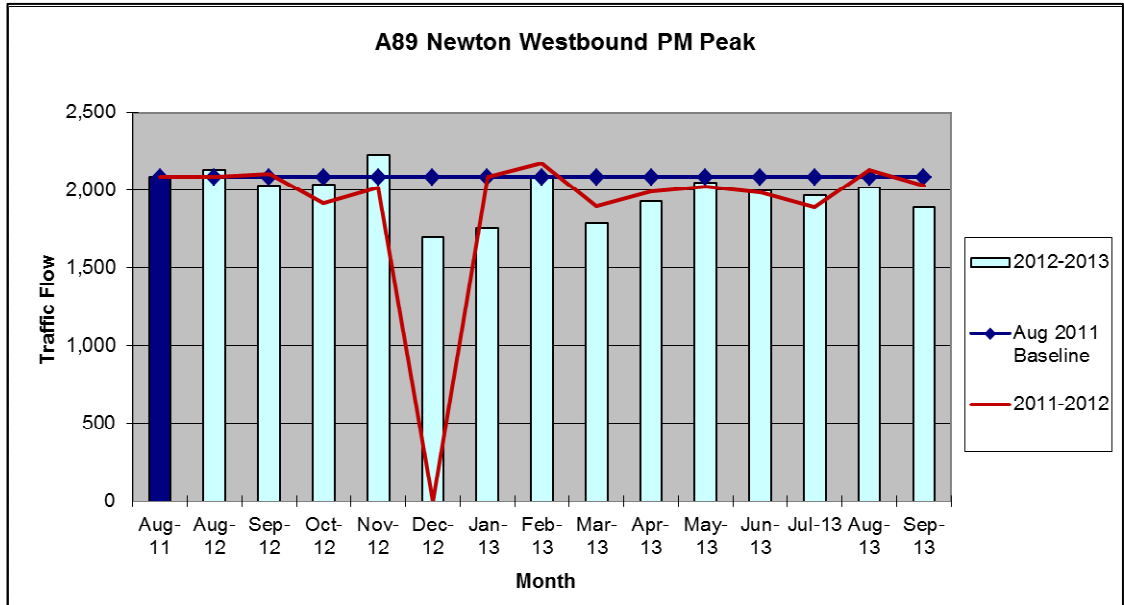


Figure 4-160 Monthly Westbound PM Peak Flows on the A89

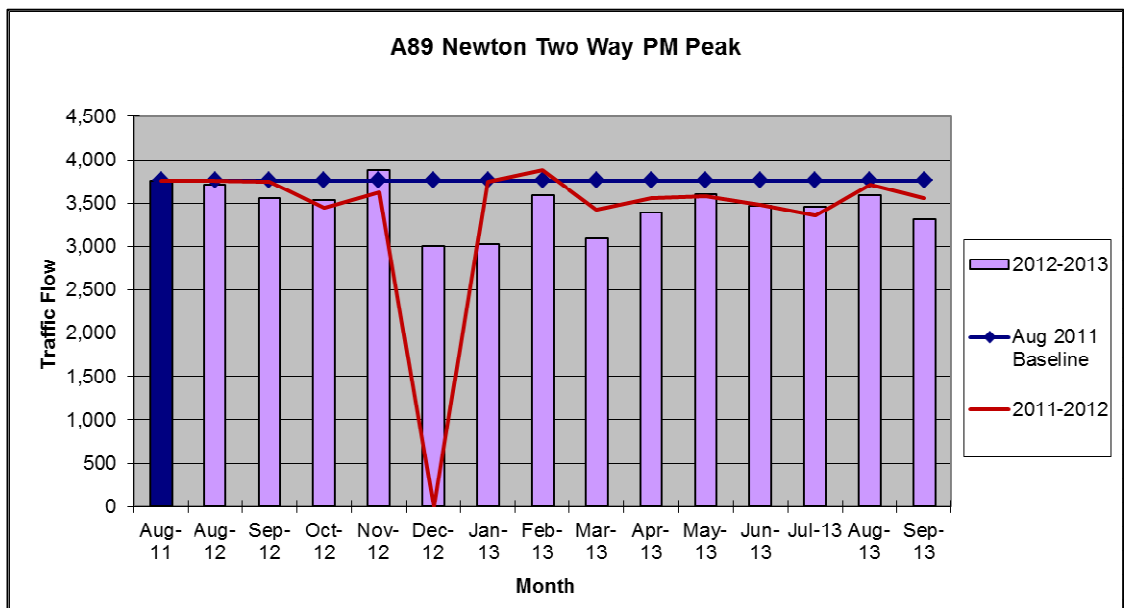


Figure 4-161 Monthly Two Way PM Peak Flows on the A89

### 4.9.4 Monthly Average HGV Flows

Table 4-60 Site: JTC00602 Annual HGV Traffic Flows – August 2012 to September 2013

Counter	Location	Date	EB	WB	Two Way
JTC00602	A89	Aug-11	189	194	384
		Aug-12	192	207	398
		Sep-12	190	195	385
		Oct-12	186	188	374
		Nov-12	183	185	368
		Dec-12	154	156	310
		Jan-13	180	169	349
		Feb-13	177	177	354
		Mar-13	152	148	301
		Apr-13	161	161	321
		May-13	191	176	367
		Jun-13	172	170	342
		Jul-13	180	180	360
		Aug-13	174	173	347
		Sep-13	173	173	346
		<b>Annual Average</b>	<b>177</b>	<b>176</b>	<b>352</b>

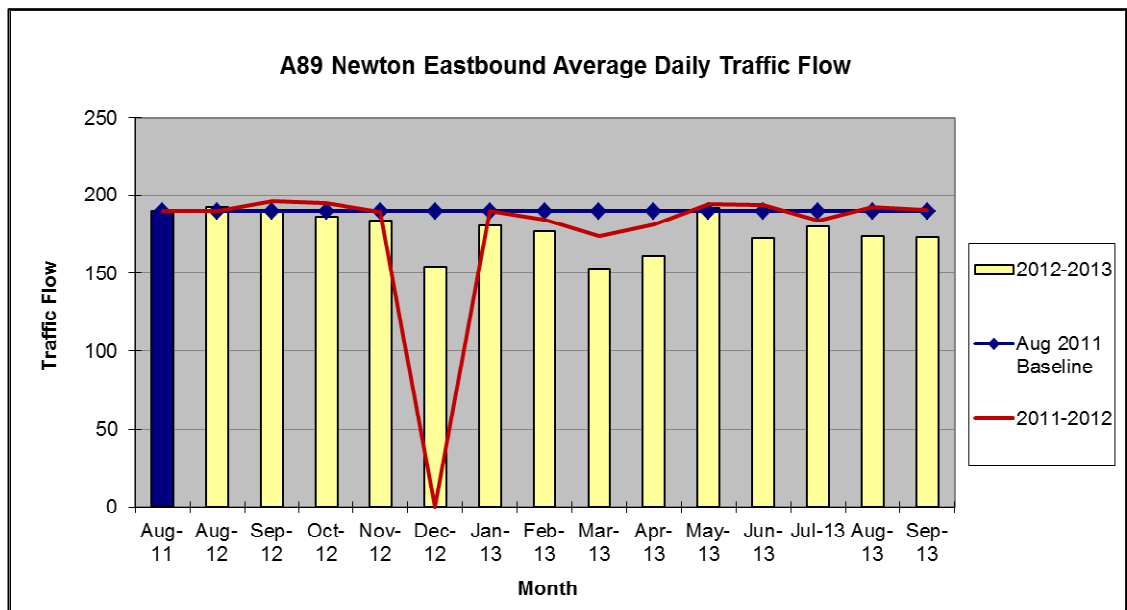


Figure 4-162 Monthly Eastbound HGV Flows on the A89

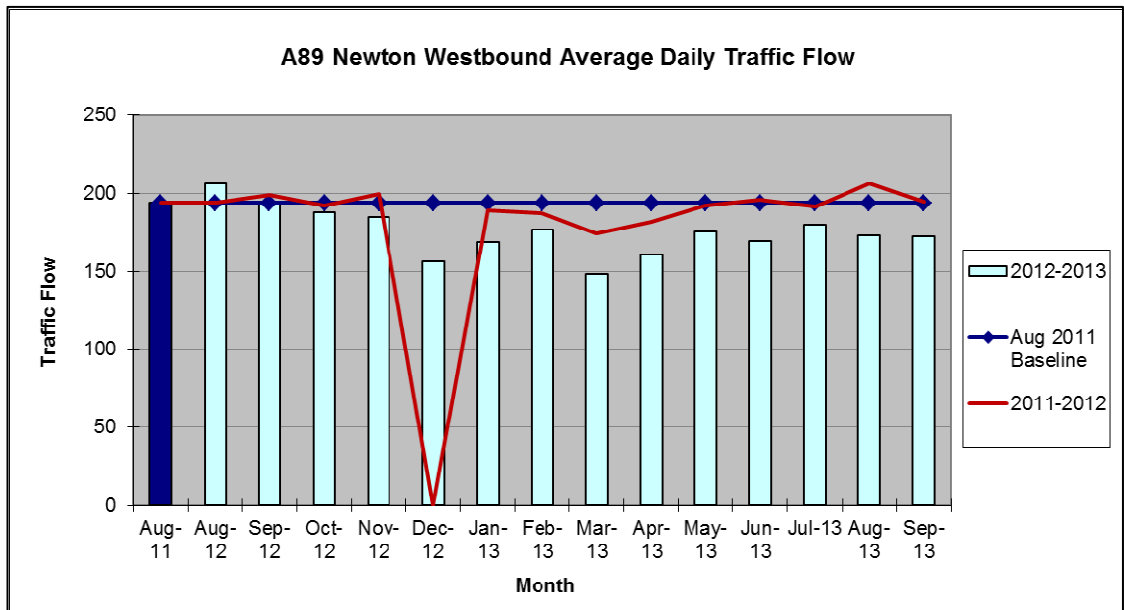


Figure 4-163 Monthly Westbound HGV Flows on the A89

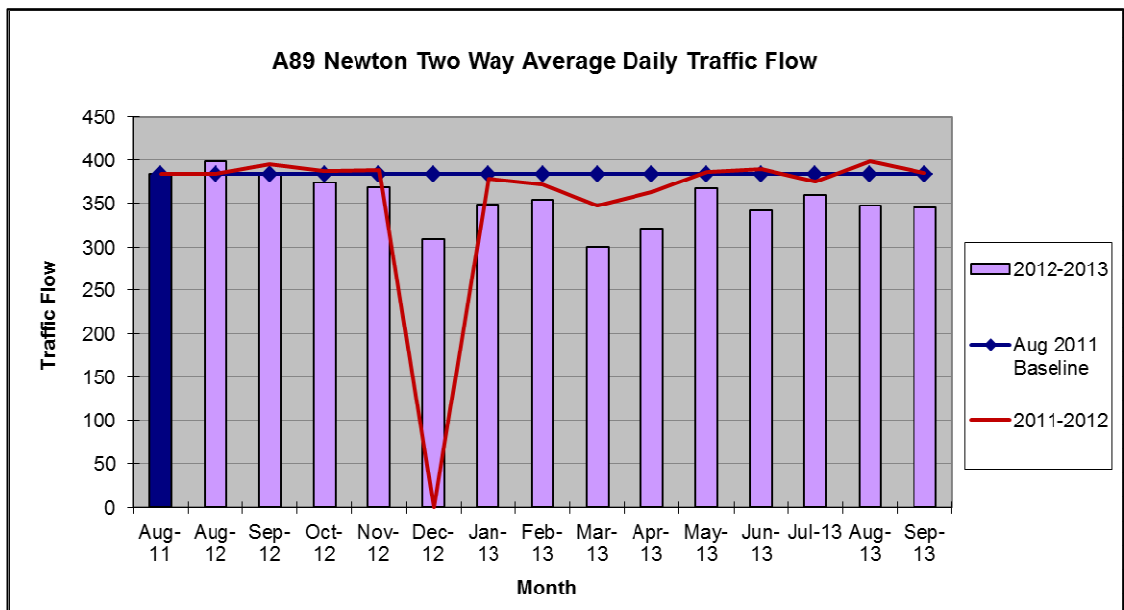


Figure 4-164 Monthly Two Way HGV Flows on the A89

### 4.9.5 Monthly Average AM Peak HGV Flows

Table 4-61 Site: JTC00602 AM Peak HGV Traffic Flows – August 2012 to September 2013

Counter	Location	Date	EB	WB	Two Way
JTC00602	A89	Aug-11	38	38	76
		Aug-12	43	39	82
		Sep-12	41	38	79
		Oct-12	41	34	74
		Nov-12	40	27	67
		Dec-12	36	29	64
		Jan-13	39	36	75
		Feb-13	40	36	77
		Mar-13	37	28	65
		Apr-13	39	33	72
		May-13	43	35	78
		Jun-13	41	34	75
		Jul-13	41	36	77
		Aug-13	41	34	76
		Sep-13	41	34	76
<b>Annual Average</b>			<b>40</b>	<b>34</b>	<b>74</b>

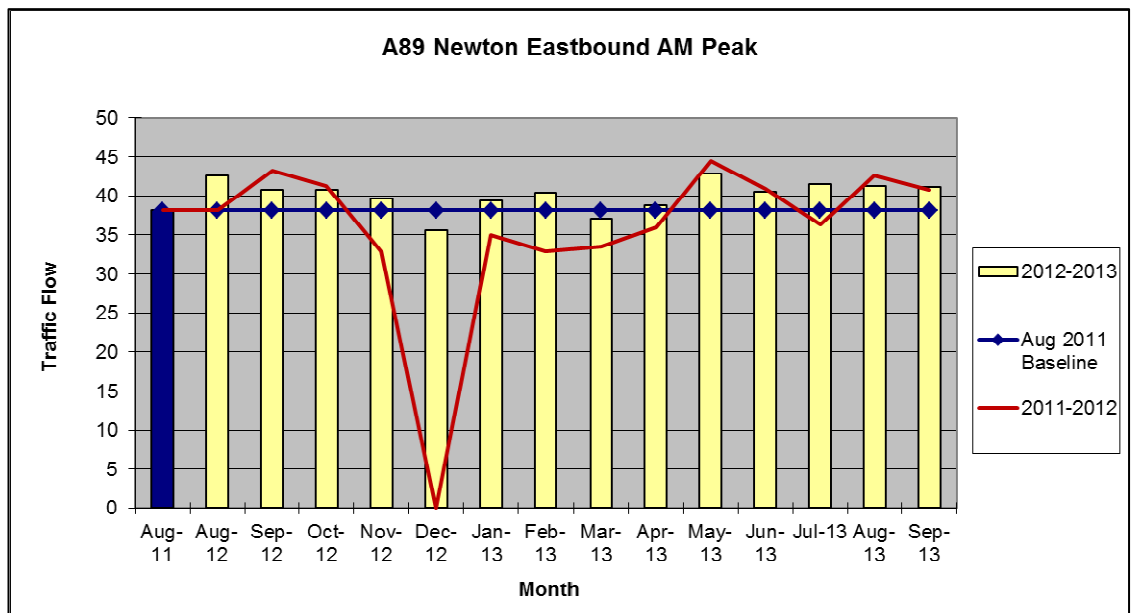


Figure 4-165 Monthly Eastbound AM Peak HGV Flows on the A89

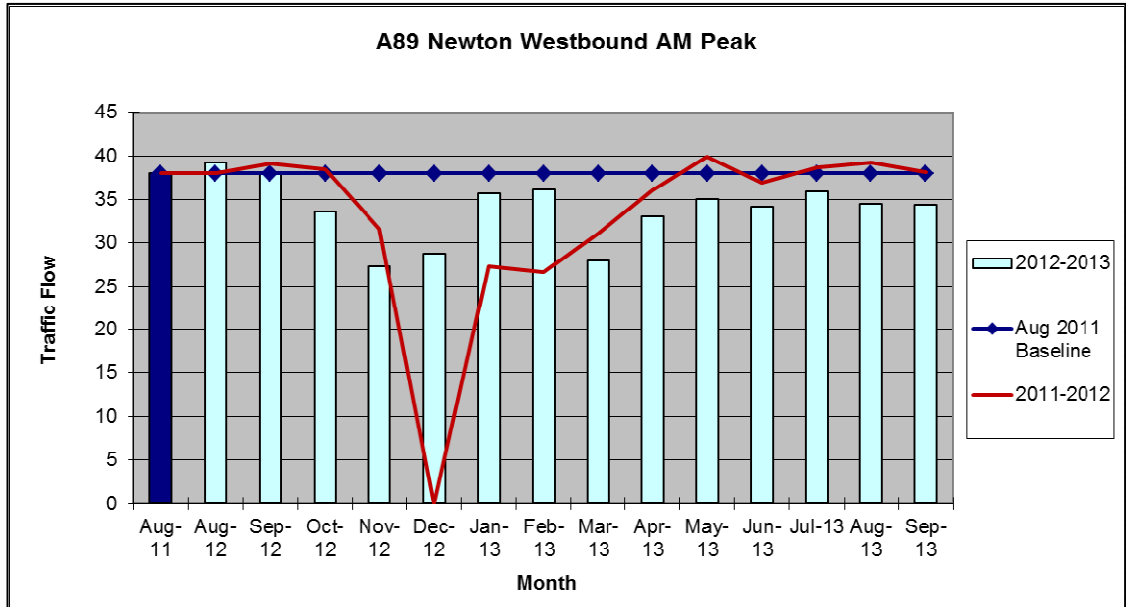


Figure 4-166 Monthly Westbound AM Peak HGV Flows on the A89

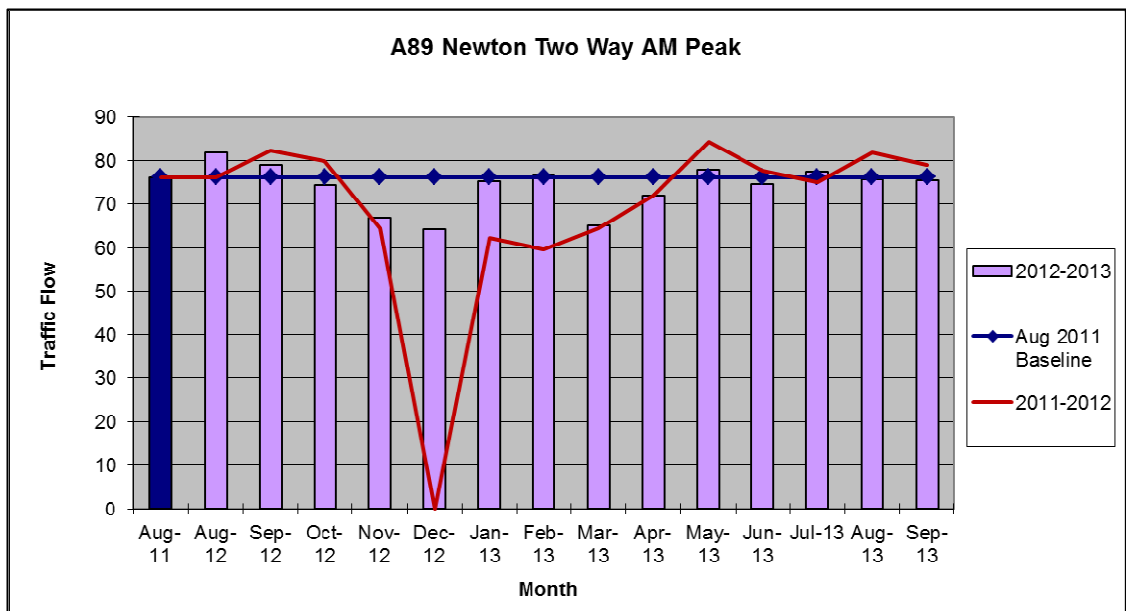


Figure 4-167 Monthly Two Way AM Peak HGV Flows on the A89

### 4.9.6 Monthly Average PM Peak HGV Flows

Table 4-62 Site: JTC00602 PM Peak HGV Traffic Flows – August 2012 to September 2013

Counter	Location	Date	EB	WB	Two Way
JTC00602	A89	Aug-11	25	32	57
		Aug-12	25	32	57
		Sep-12	27	30	57
		Oct-12	25	28	53
		Nov-12	30	32	62
		Dec-12	21	25	46
		Jan-13	21	24	45
		Feb-13	23	26	49
		Mar-13	19	24	43
		Apr-13	20	25	45
		May-13	24	28	53
		Jun-13	22	27	49
		Jul-13	24	30	54
		Aug-13	24	28	51
		Sep-13	23	26	49
		<b>Annual Average</b>	<b>23</b>	<b>28</b>	<b>51</b>

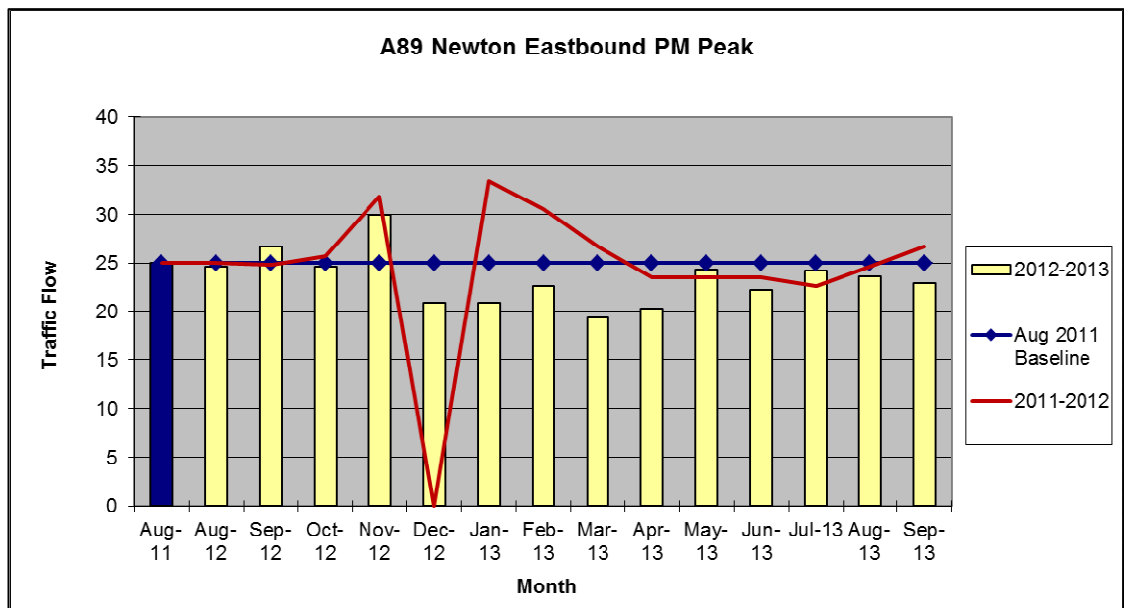


Figure 4-168 Monthly Eastbound PM HGV Peak Flows on the A89



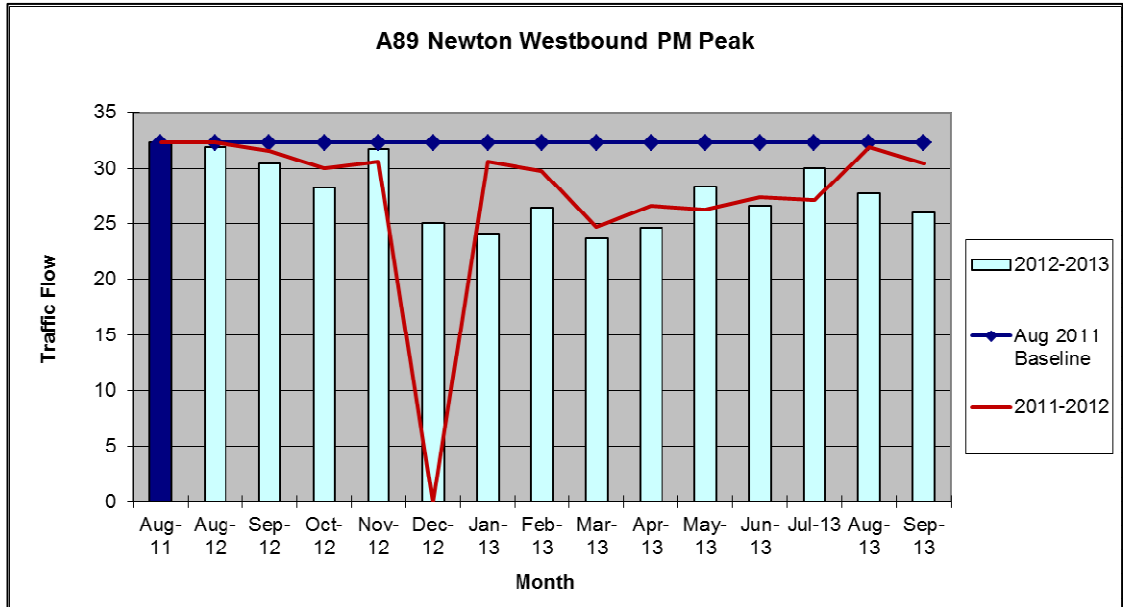


Figure 4-169 Monthly Westbound PM Peak HGV Flows on the A89

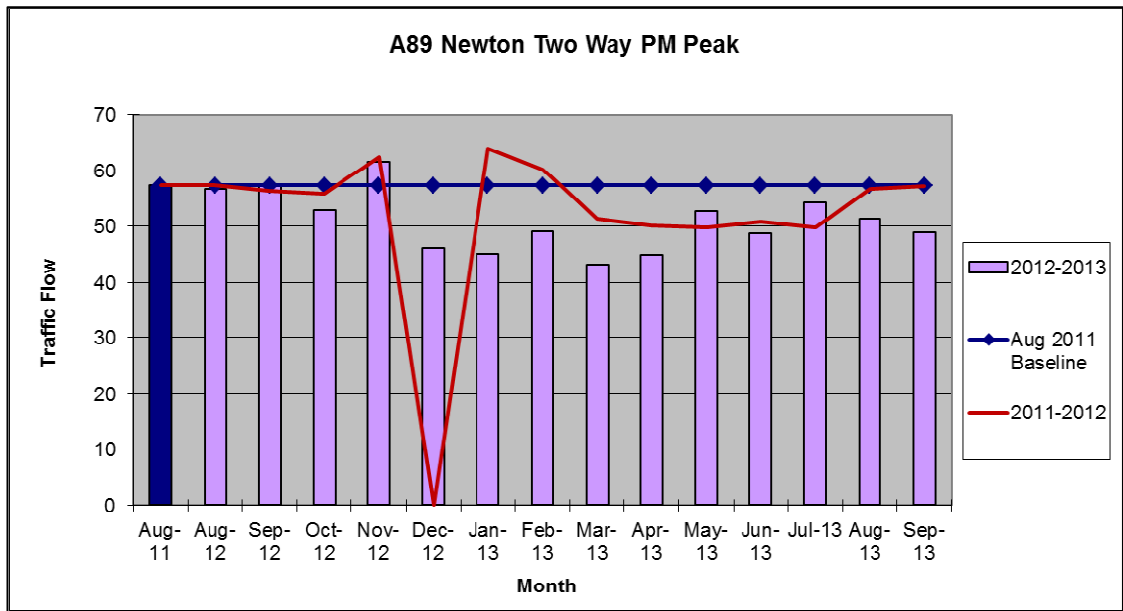
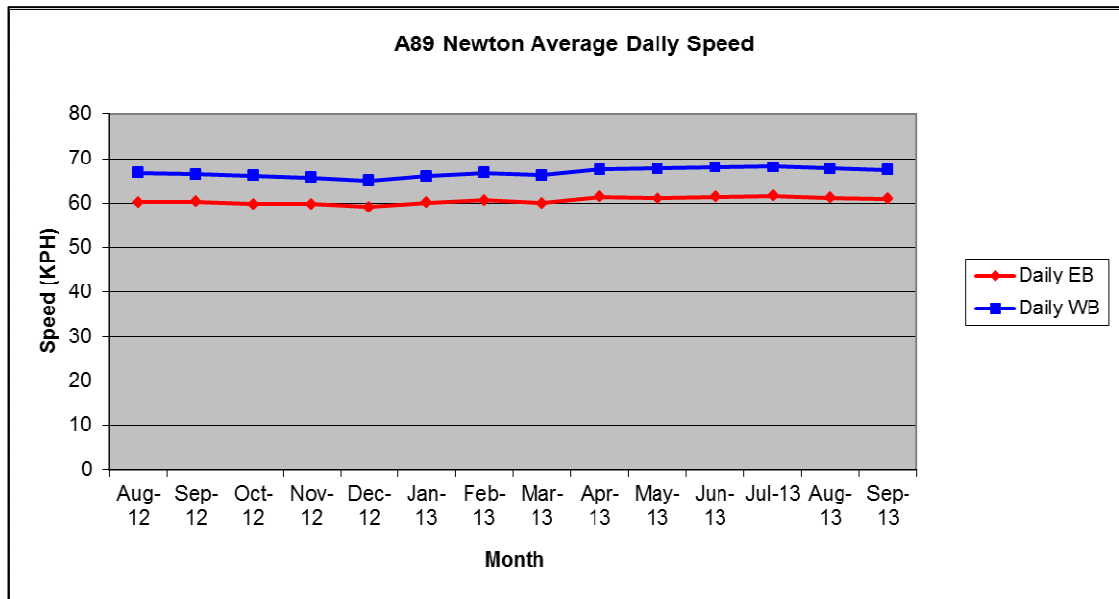


Figure 4-170 Monthly Two Way PM Peak HGV Flows on the A89

### 4.9.7 Monthly Average All Vehicles Traffic Speeds

**Table 4-63 Site: JTC00602 Average Monthly Traffic Speeds (KPH) (All Vehicles) – August 2012 to September 2013**

Counter	Location	Date	EB	WB
JTC00602	A89	Aug-12	60	67
		Sep-12	60	66
		Oct-12	60	66
		Nov-12	60	66
		Dec-12	59	65
		Jan-13	60	66
		Feb-13	61	67
		Mar-13	60	66
		Apr-13	61	67
		May-13	61	68
		Jun-13	61	68
		Jul-13	62	68
		Aug-13	61	68
		Sep-13	61	67



**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 2012 to September 2013

Counter	Location	Date	EB	WB	Two Way
JTC00604	A71 Riccarton	Aug-11	8,559	7,874	16,434
		Aug-12	8,631	7,959	16,590
		Sep-12	8,311	7,531	15,842
		Oct-12	8,454	7,530	15,984
		Nov-12	8,410	7,525	15,935
		Dec-12	7,297	6,489	13,786
		Jan-13	7,517	6,665	14,182
		Feb-13	8,086	7,357	15,443
		Mar-13	7,425	6,884	14,309
		Apr-13	8,191	7,484	15,675
		May-13	8,779	8,112	16,891
		Jun-13	8,058	7,363	15,420
		Jul-13	7,733	6,974	14,707
		Aug-13	8,447	7,630	16,076
		Sep-13	8,217	7,600	15,817
			<b>Annual Average</b>	<b>8,074</b>	<b>7,323</b>

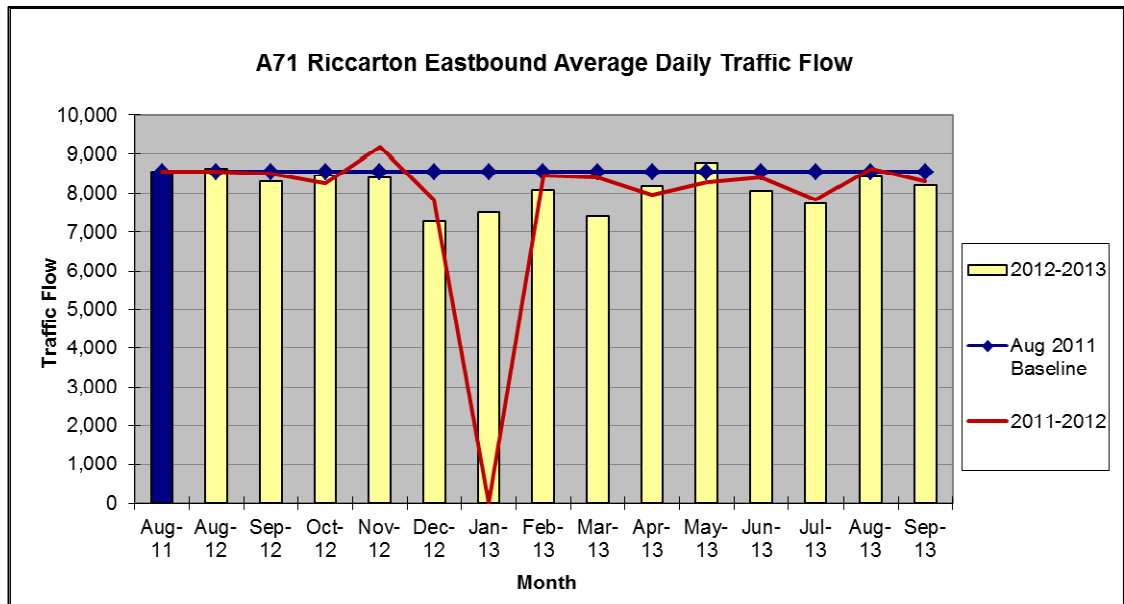


Figure 4-172 Monthly Eastbound AADTs on the A71 Riccarton

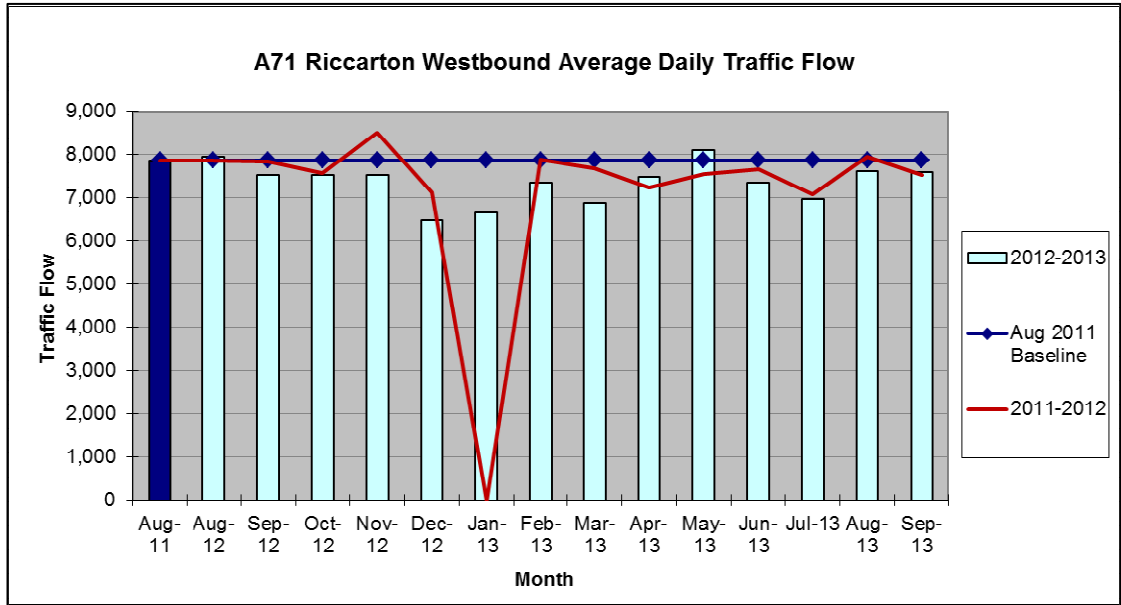


Figure 4-173 Monthly Westbound AADTs on the A71 Riccarton

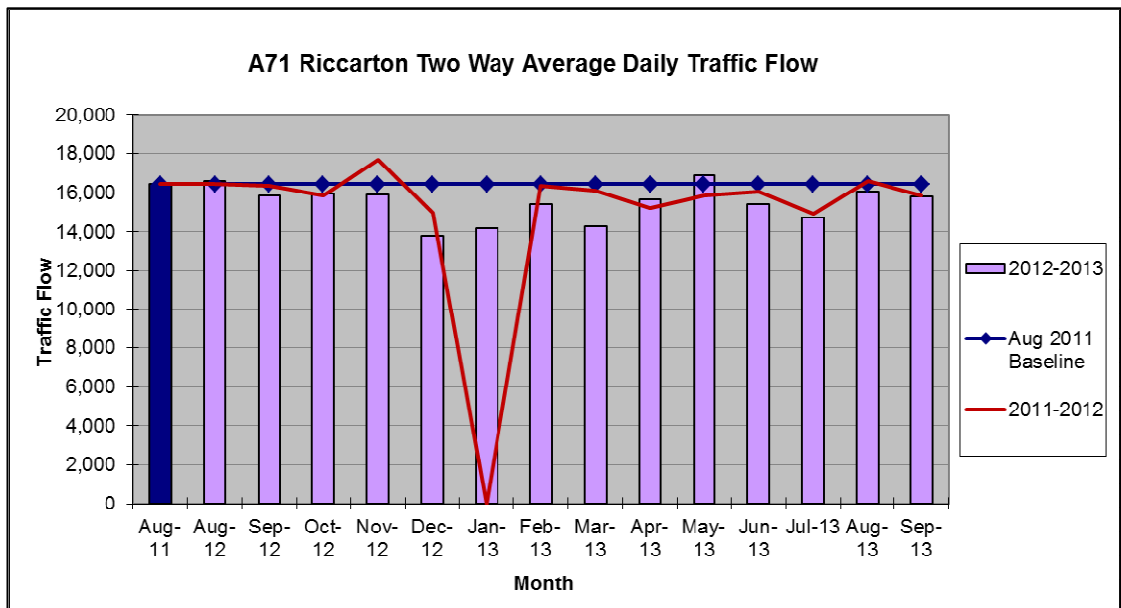


Figure 4-174 Monthly Two Way Daily Traffic Flows on the A71 Riccarton

### 4.10.2 Monthly Average AM Peak Traffic Flows

Table 4-65 Site: JTC00604 AM Peak Traffic Flows – August 2012 to September 2013

Counter	Location	Date	EB	WB	Two Way
JTC00604	A71 Riccarton	Aug-11	2,203	1,130	3,332
		Aug-12	2,190	1,139	3,328
		Sep-12	2,187	1,080	3,267
		Oct-12	2,324	1,079	3,403
		Nov-12	2,210	916	3,126
		Dec-12	1,730	818	2,548
		Jan-13	2,109	957	3,066
		Feb-13	2,278	1,057	3,336
		Mar-13	1,829	906	2,735
		Apr-13	2,122	1,077	3,199
		May-13	2,265	1,166	3,431
		Jun-13	2,057	1,057	3,115
		Jul-13	1,960	1,010	2,969
		Aug-13	2,101	1,093	3,194
		Sep-13	2,171	1,141	3,312
		<b>Annual Average</b>	<b>2,105</b>	<b>1,022</b>	<b>3,127</b>

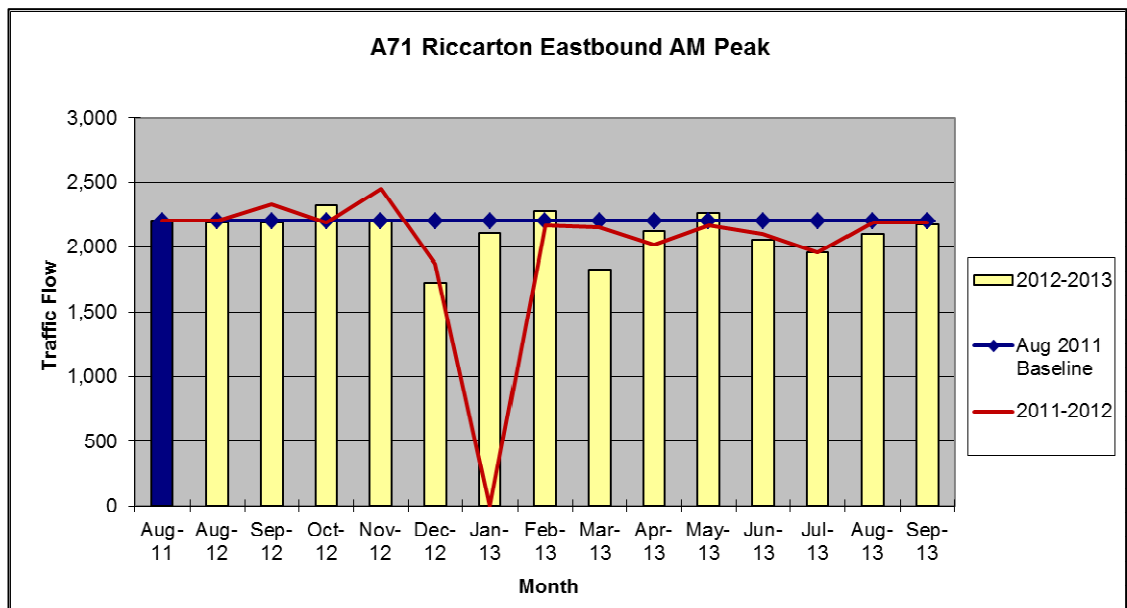


Figure 4-175 Monthly Eastbound AM Peak Flows on the A71 Riccarton

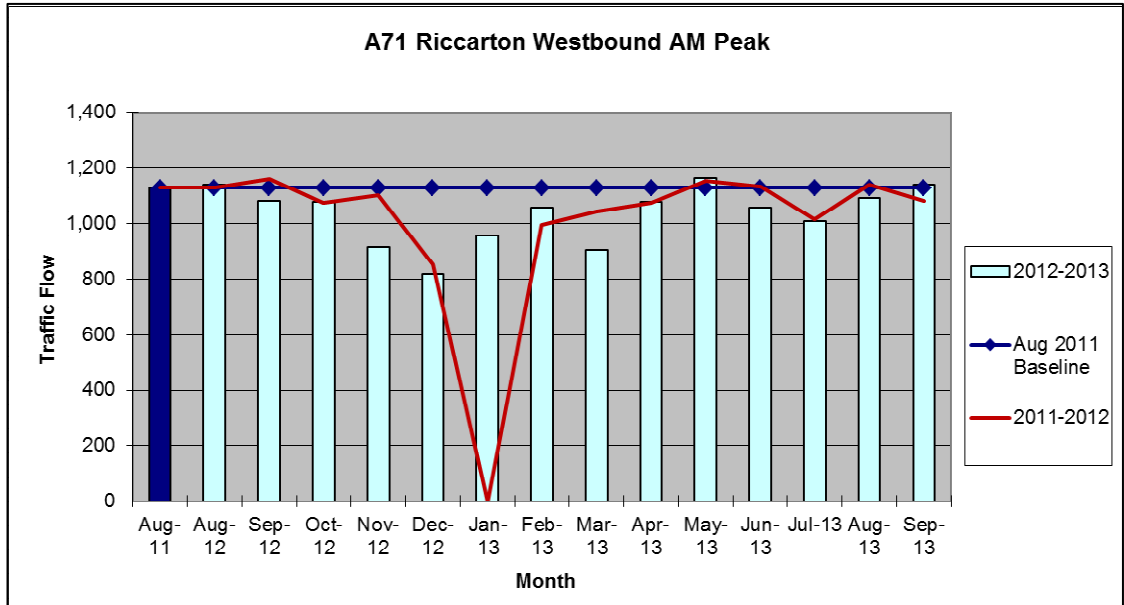


Figure 4-176 Monthly Westbound AM Peak Flows on the A71 Riccarton

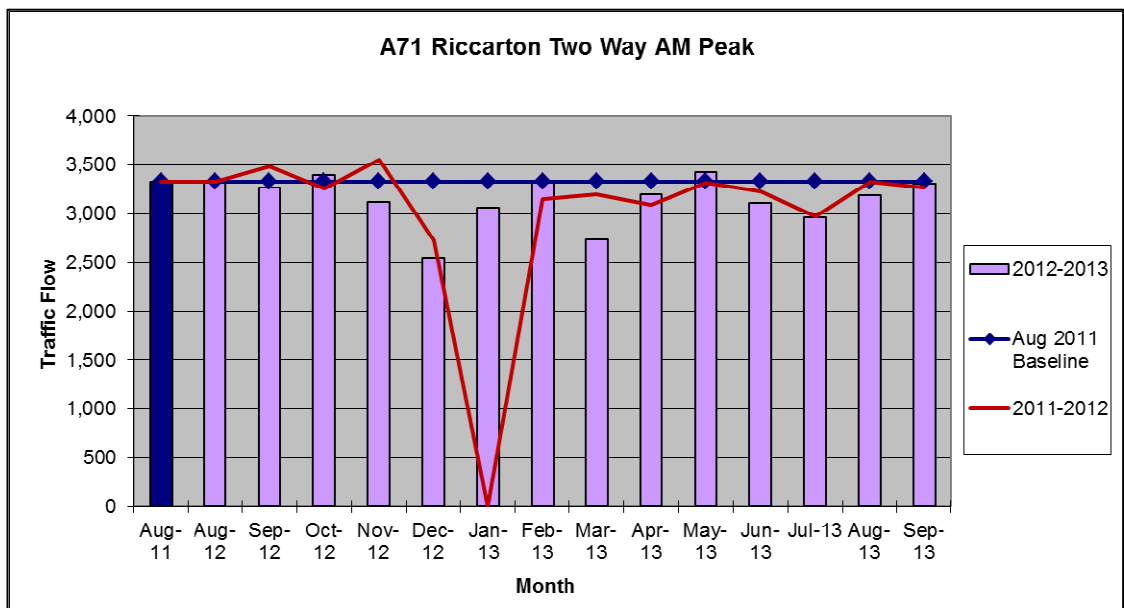


Figure 4-177 Monthly Two Way AM Peak Flows on the A71 Riccarton

### 4.10.3 Monthly Average PM Peak Traffic Flows

Table 4-66 Site: JTC00604 PM Peak Traffic Flows – August 2012 to September 2013

Counter	Location	Date	EB	WB	Two Way
JTC00604	A71 Riccarton	Aug-11	1,890	2,368	4,258
		Aug-12	1,905	2,401	4,306
		Sep-12	1,769	2,265	4,034
		Oct-12	1,806	2,324	4,130
		Nov-12	1,818	2,368	4,186
		Dec-12	1,520	1,800	3,320
		Jan-13	1,605	2,081	3,686
		Feb-13	1,707	2,331	4,039
		Mar-13	1,603	2,084	3,687
		Apr-13	1,753	2,258	4,012
		May-13	1,854	2,358	4,212
		Jun-13	1,757	2,205	3,962
		Jul-13	1,627	2,079	3,706
		Aug-13	1,858	2,260	4,118
		Sep-13	1,776	2,263	4,039
		<b>Annual Average</b>	<b>1,727</b>	<b>2,213</b>	<b>3,940</b>

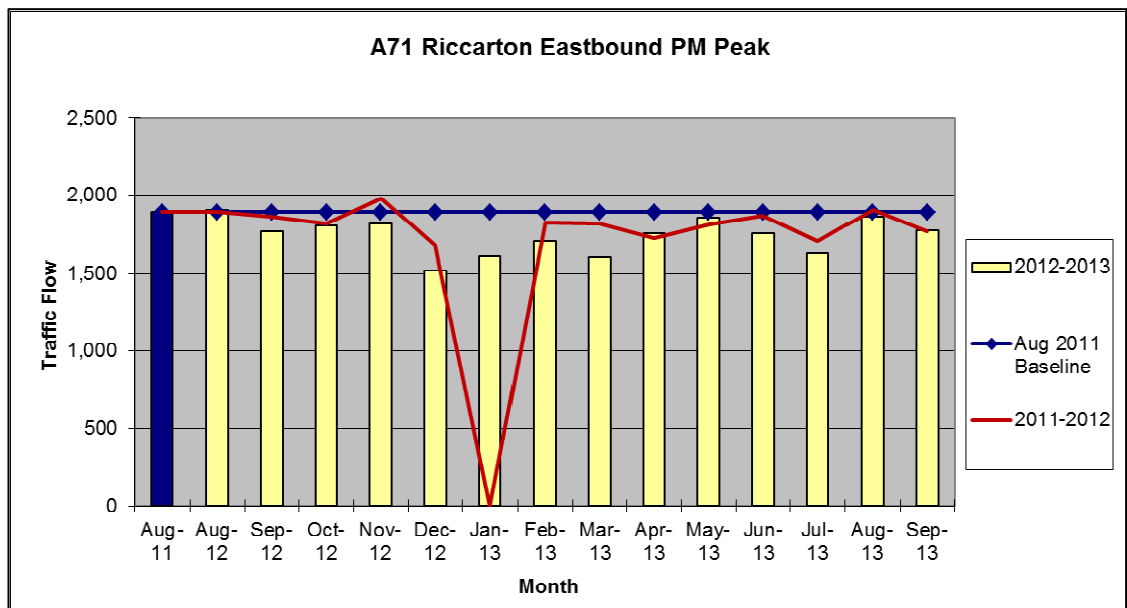


Figure 4-178 Monthly Eastbound PM Peak Flows on the A71 Riccarton

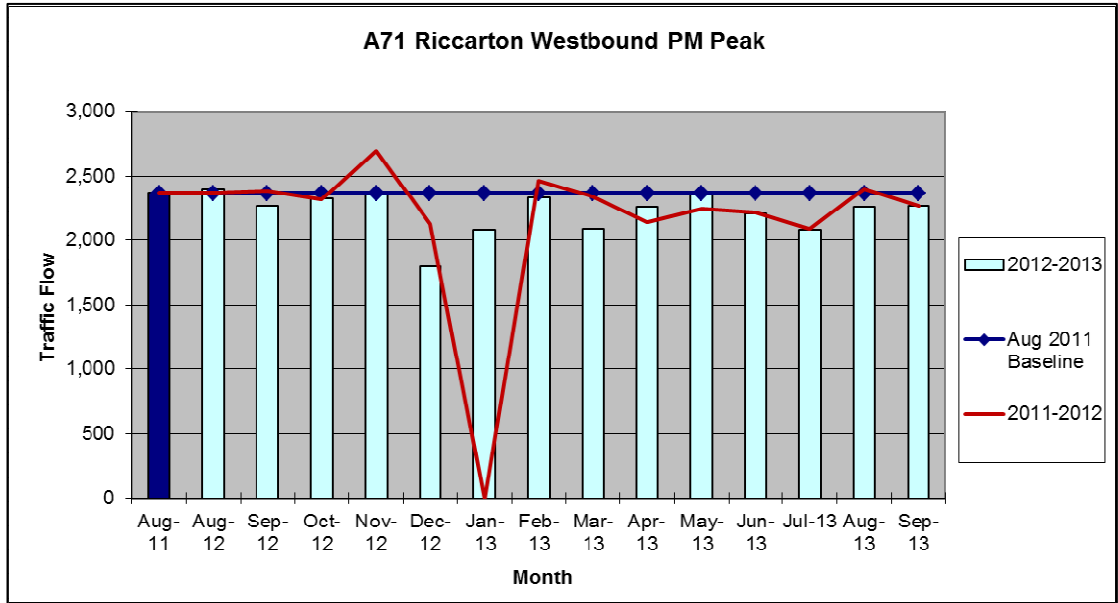


Figure 4-179 Monthly Westbound PM Peak Flows on the A71 Riccarton

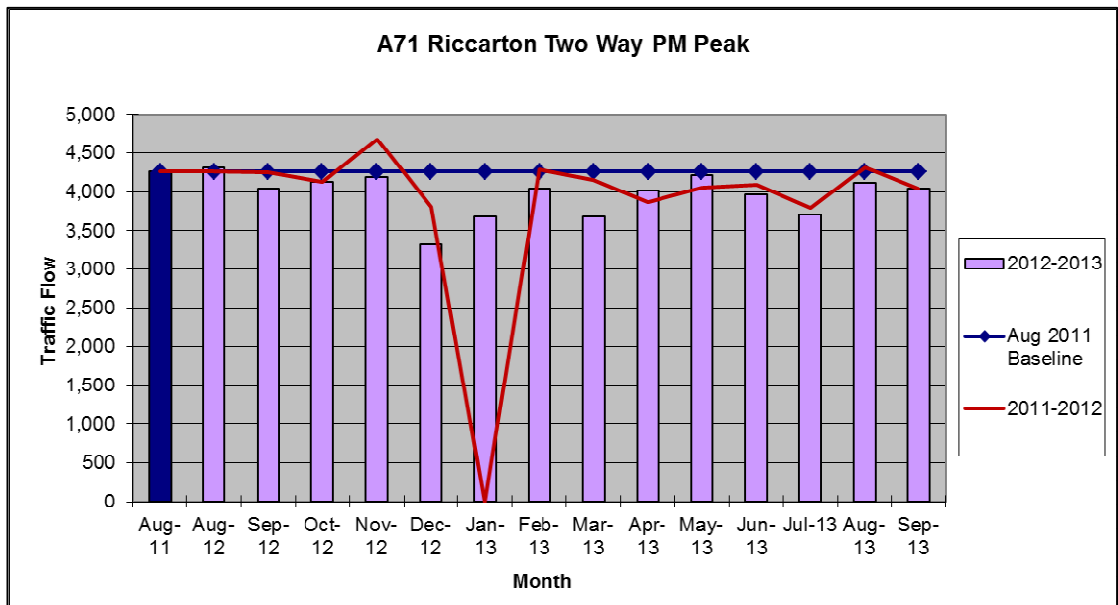


Figure 4-180 Monthly Two Way PM Peak Flows on the A71 Riccarton



### 4.10.4 Monthly Average HGV Flows

Table 4-67 Site: JTC00604 Annual HGV Traffic Flows – August 2012 to September 2013

Counter	Location	Date	EB	WB	Two Way
JTC00604	A71 Riccarton	Aug-11	122	107	230
		Aug-12	123	106	229
		Sep-12	117	102	220
		Oct-12	120	103	223
		Nov-12	116	99	215
		Dec-12	96	84	180
		Jan-13	107	91	198
		Feb-13	108	99	207
		Mar-13	101	92	194
		Apr-13	115	104	219
		May-13	130	113	244
		Jun-13	119	109	228
		Jul-13	115	100	216
		Aug-13	120	107	227
		Sep-13	121	108	228
		<b>Annual Average</b>	<b>114</b>	<b>100</b>	<b>214</b>

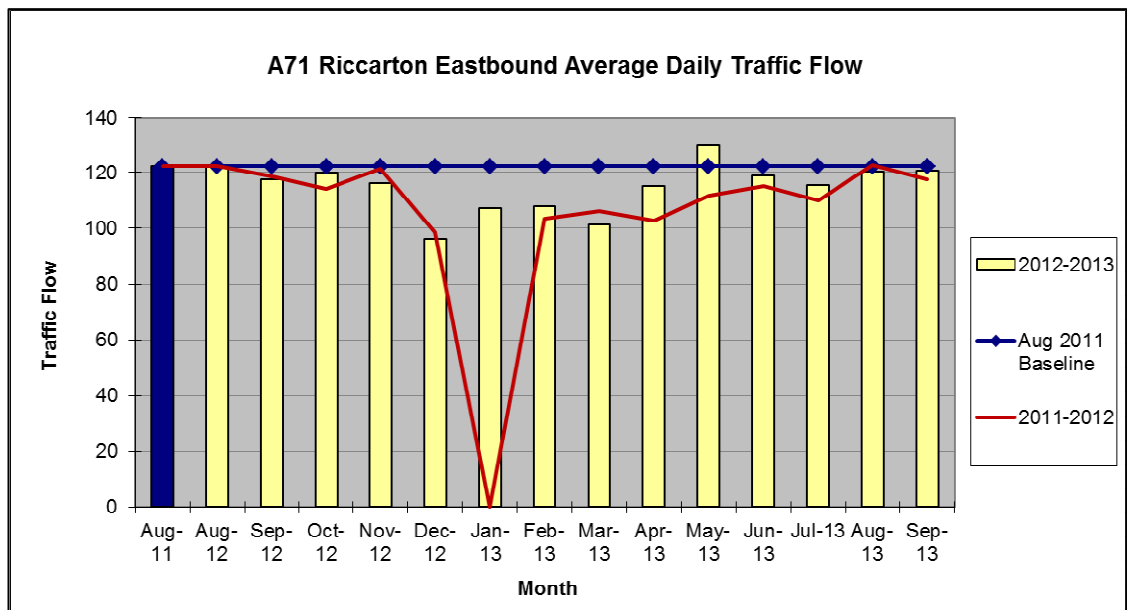


Figure 4-181 Monthly Eastbound HGV Flows on the A71 Riccarton

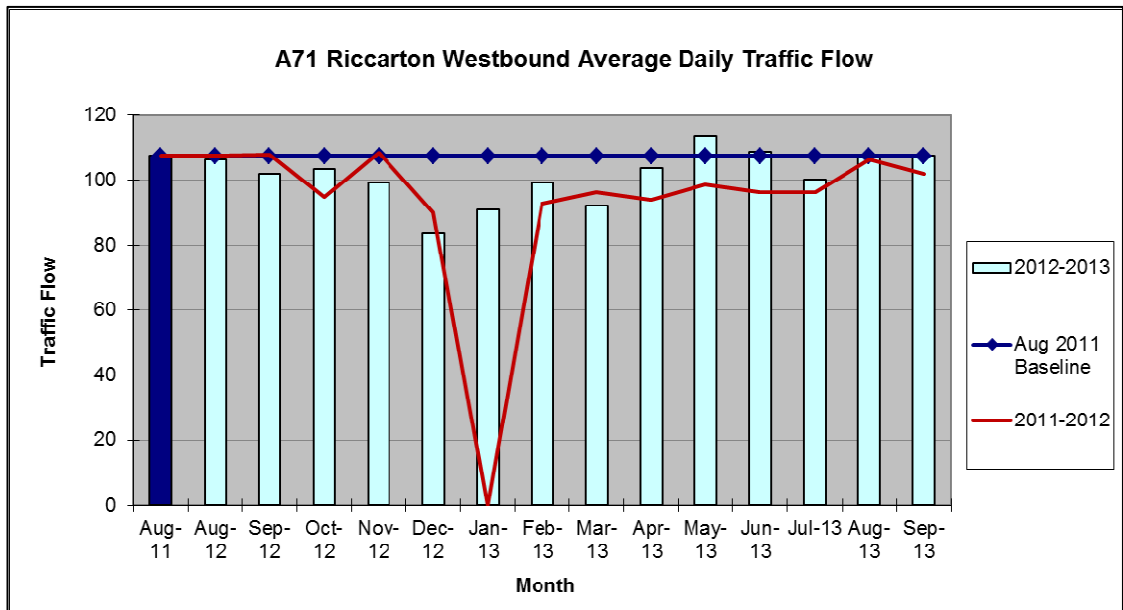


Figure 4-182 Monthly Westbound HGV Flows on the A71 Riccarton

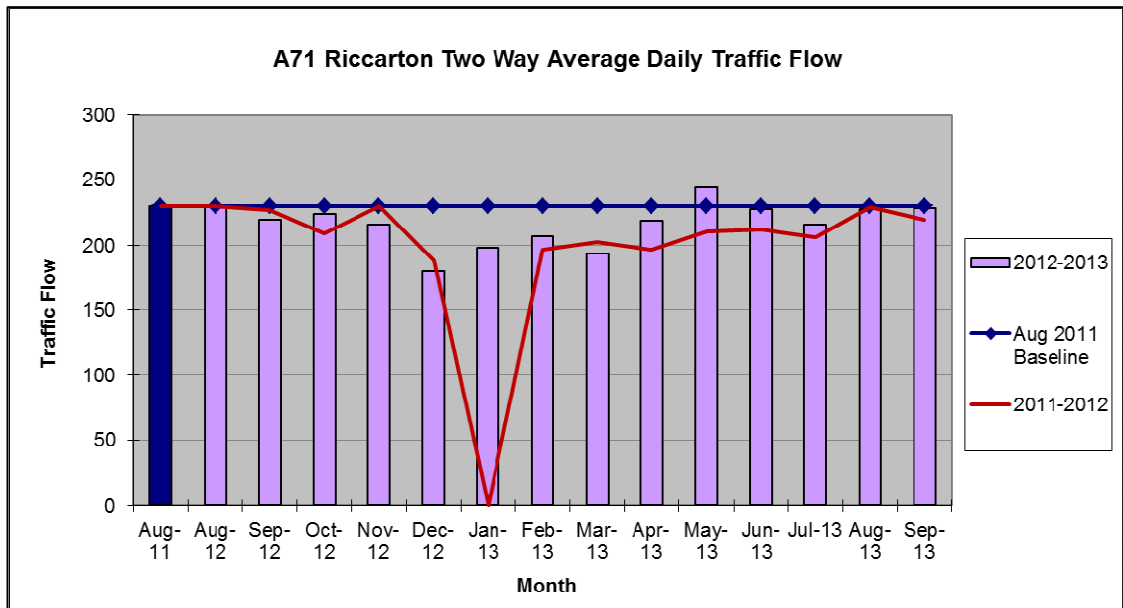


Figure 4-183 Monthly Two Way HGV Flows on the A71 Riccarton

### 4.10.5 Monthly Average AM Peak HGV Flows

Table 4-68 Site: JTC00604 AM Peak HGV Traffic Flows – August 2012 to September 2013

Counter	Location	Date	EB	WB	Two Way
JTC00604	A71 Riccarton	Aug-11	31	20	52
		Aug-12	32	18	51
		Sep-12	32	19	50
		Oct-12	33	19	51
		Nov-12	29	14	44
		Dec-12	23	13	35
		Jan-13	26	17	43
		Feb-13	27	18	45
		Mar-13	24	15	39
		Apr-13	30	18	49
		May-13	36	19	55
		Jun-13	33	19	52
		Jul-13	32	16	48
		Aug-13	32	18	49
		Sep-13	33	19	52
		<b>Annual Average</b>	<b>30</b>	<b>17</b>	<b>47</b>

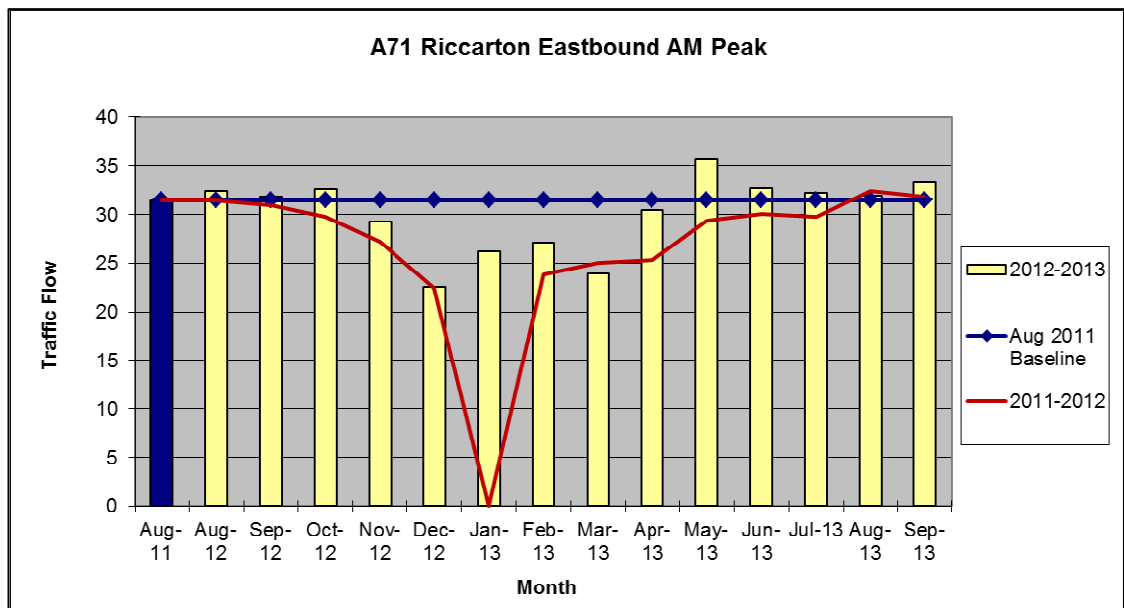


Figure 4-184 Monthly Eastbound AM Peak HGV Flows on the A71 Riccarton

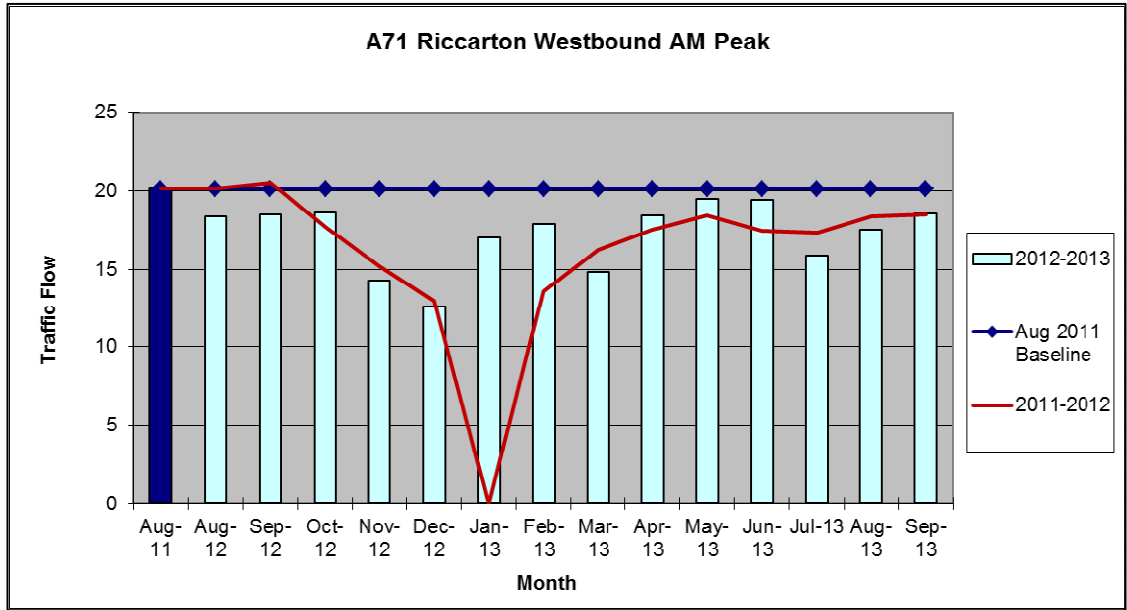


Figure 4-185 Monthly Westbound AM Peak HGV Flows on the A71 Riccarton

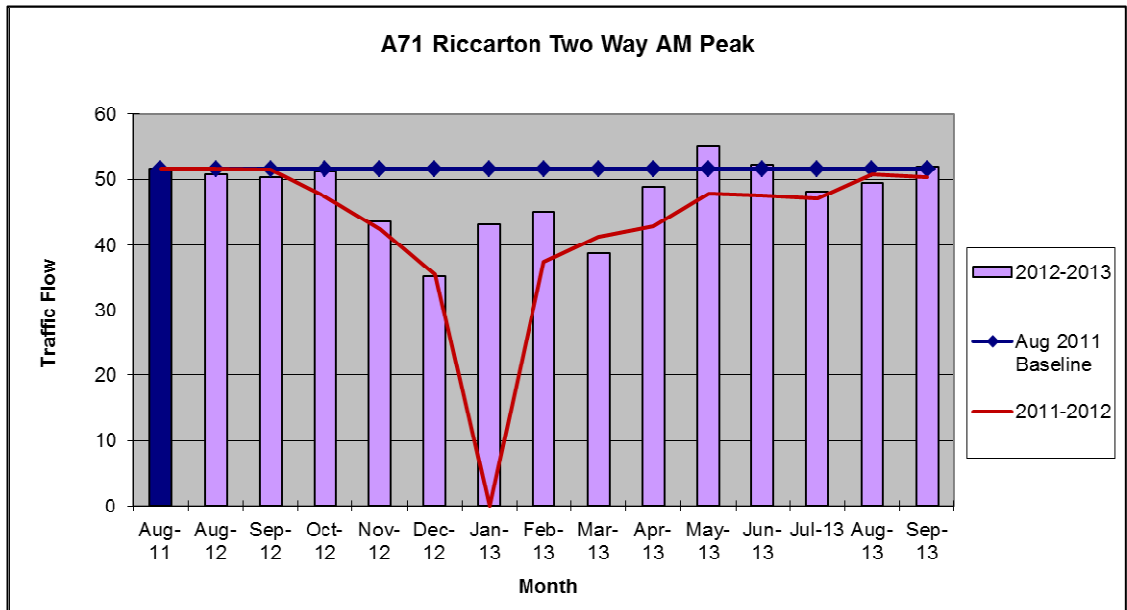


Figure 4-186 Monthly Two Way AM Peak HGV Flows on the A71 Riccarton

### 4.10.6 Monthly Average PM Peak HGV Flows

Table 4-69 Site: JTC00604 PM Peak HGV Traffic Flows – August 2012 to September 2013

Counter	Location	Date	EB	WB	Two Way
JTC00604	A71 Riccarton	Aug-11	17	21	38
		Aug-12	18	23	41
		Sep-12	17	22	39
		Oct-12	17	20	38
		Nov-12	18	22	39
		Dec-12	14	18	32
		Jan-13	14	17	31
		Feb-13	15	19	34
		Mar-13	14	18	32
		Apr-13	16	20	36
		May-13	19	24	43
		Jun-13	17	23	40
		Jul-13	17	21	38
		Aug-13	18	22	40
		Sep-13	16	24	40
		<b>Annual Average</b>	<b>16</b>	<b>21</b>	<b>37</b>

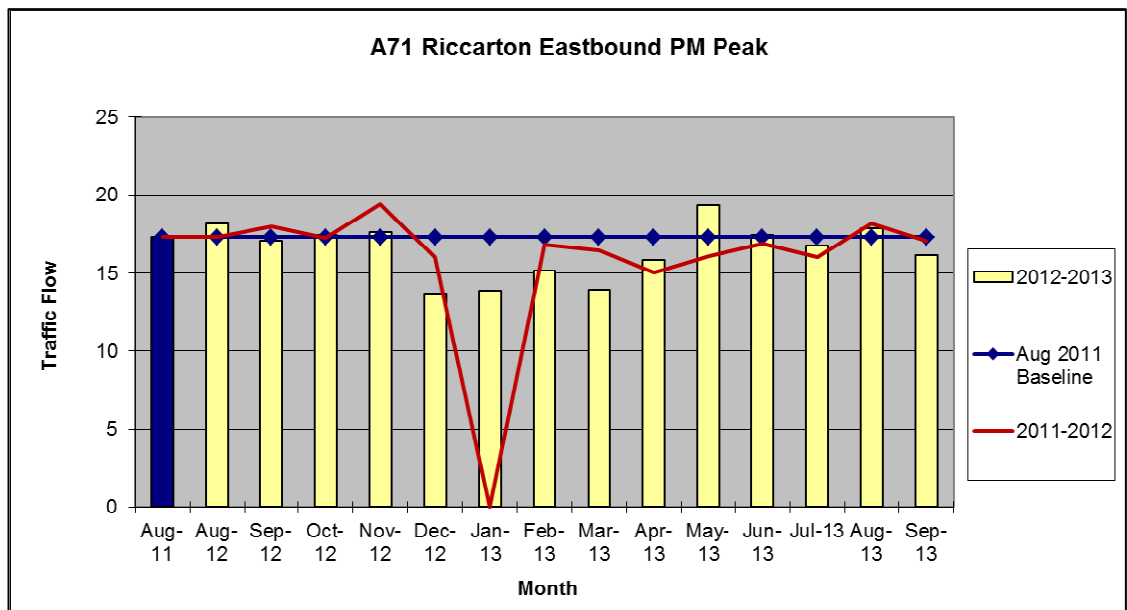


Figure 4-187 Monthly Eastbound PM HGV Peak Flows on the A71 Riccarton

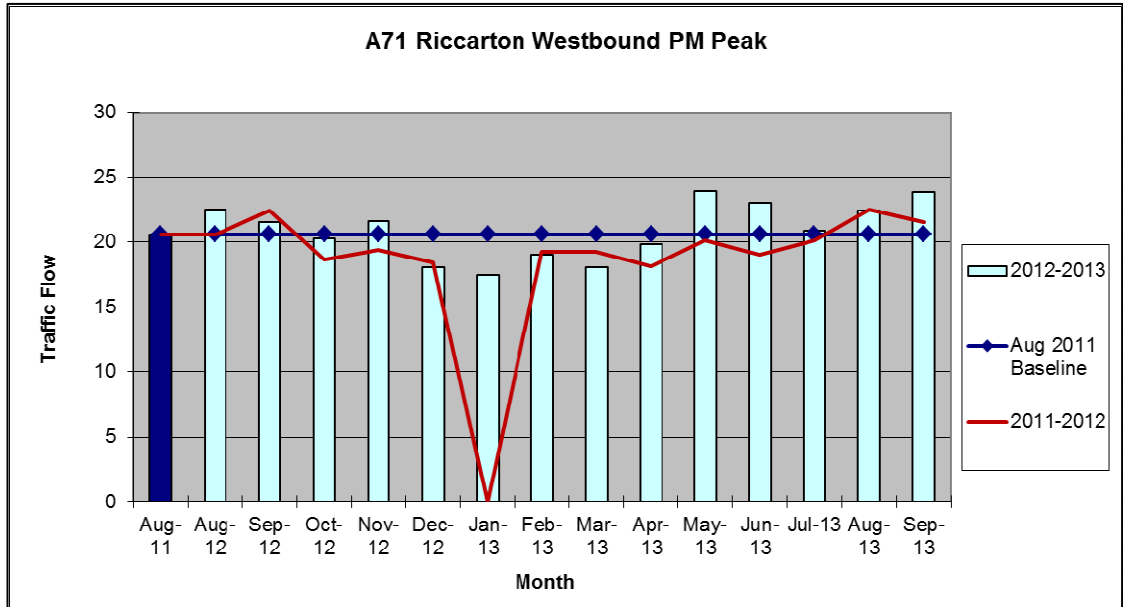


Figure 4-188 Monthly Westbound PM Peak HGV Flows on the A71 Riccarton

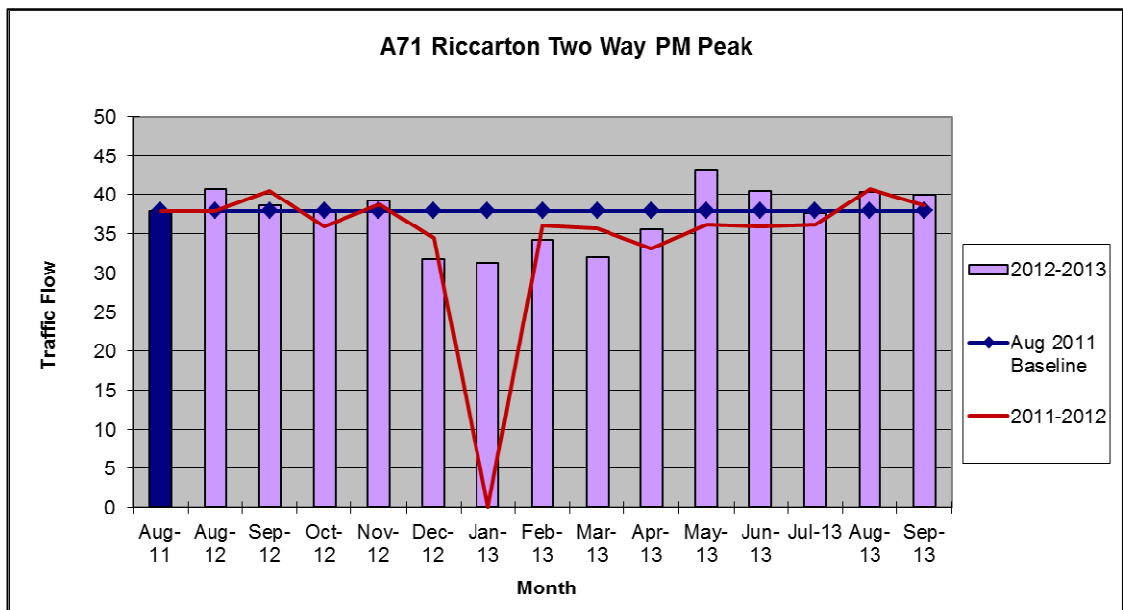
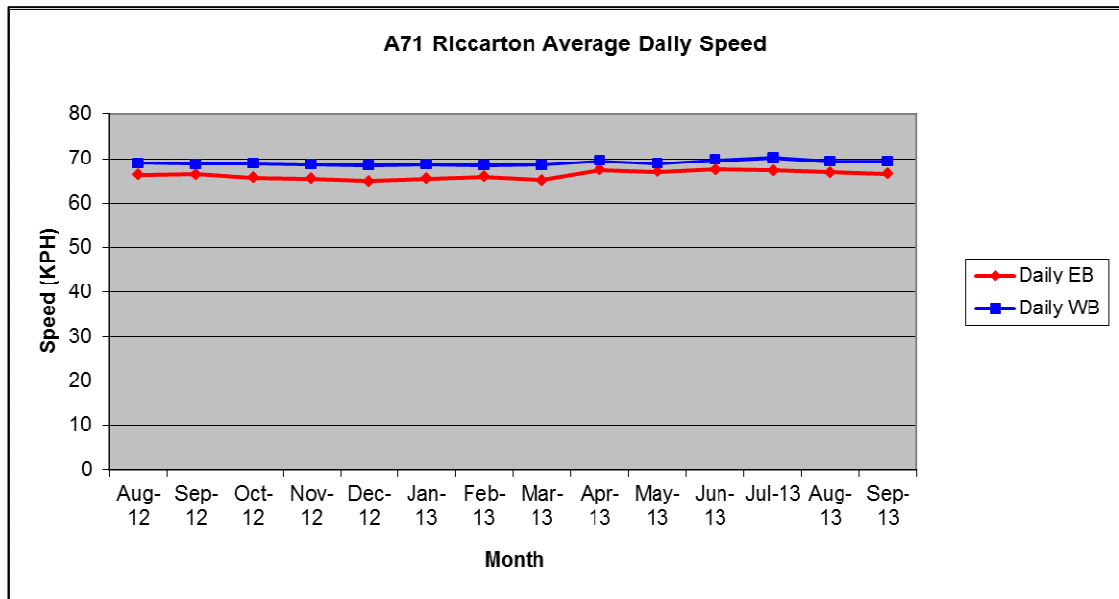


Figure 4-189 Monthly Two Way PM Peak HGV Flows on the A71 Riccarton

### 4.10.7 Monthly Average All Vehicles Traffic Speeds

**Table 4-70 Site: JTC00604 Average Monthly Traffic Speeds (KPH) (All Vehicles) – August 2012 to September 2013**

Counter	Location	Date	EB	WB
JTC00604	A71 Riccarton	Aug-12	66	69
		Sep-12	66	69
		Oct-12	66	69
		Nov-12	65	69
		Dec-12	65	68
		Jan-13	65	69
		Feb-13	66	68
		Mar-13	65	68
		Apr-13	67	69
		May-13	67	69
		Jun-13	67	70
		Jul-13	67	70
		Aug-13	67	69
Sep-13	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 2012 to September 2013

Counter	Location	Date	EB	WB	Two Way		
JTC00605	A70 Lanark Road	Aug-11	5,786	6,347	12,132		
		Aug-12	1,456	5,402	6,857		
		Sep-12	5,547	4,377	9,923		
		Oct-12	No Data	No Data	No Data		
		Nov-12	No Data	No Data	No Data		
		Dec-12	No Data	No Data	No Data		
		Jan-13	No Data	No Data	No Data		
		Feb-13	No Data	No Data	No Data		
		Mar-13	No Data	No Data	No Data		
		Apr-13	No Data	No Data	No Data		
		May-13	No Data	No Data	No Data		
		Jun-13	No Data	No Data	No Data		
		Jul-13	No Data	No Data	No Data		
		Aug-13	No Data	No Data	No Data		
		Sep-13	No Data	No Data	No Data		
		<b>Annual Average</b>			<b>3,501</b>	<b>4,889</b>	<b>8,390</b>

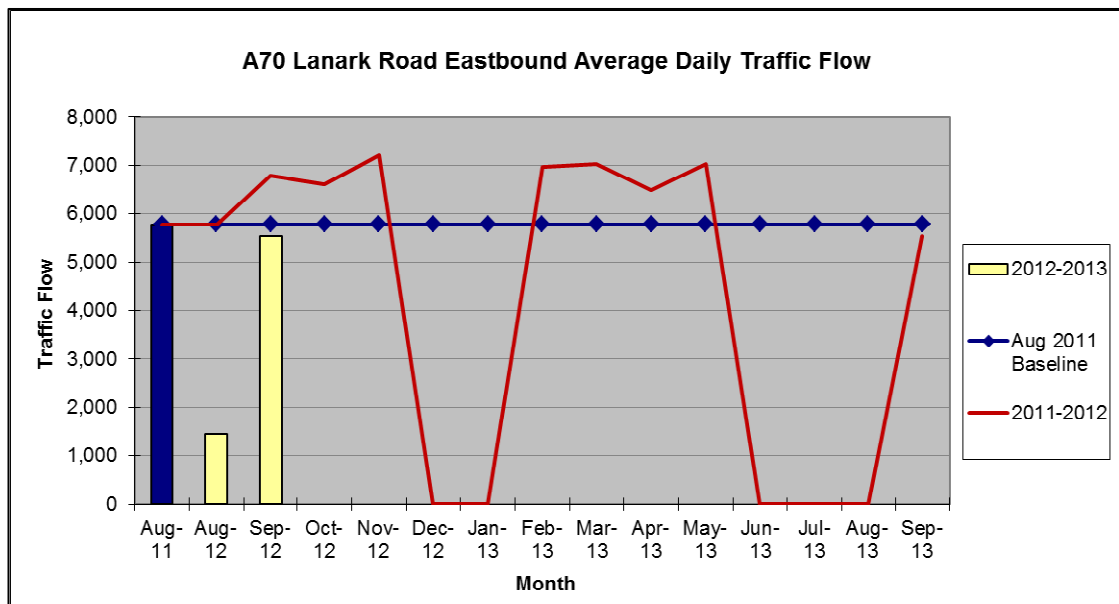


Figure 4-191 Monthly Eastbound AADTs on the A70 Lanark Road



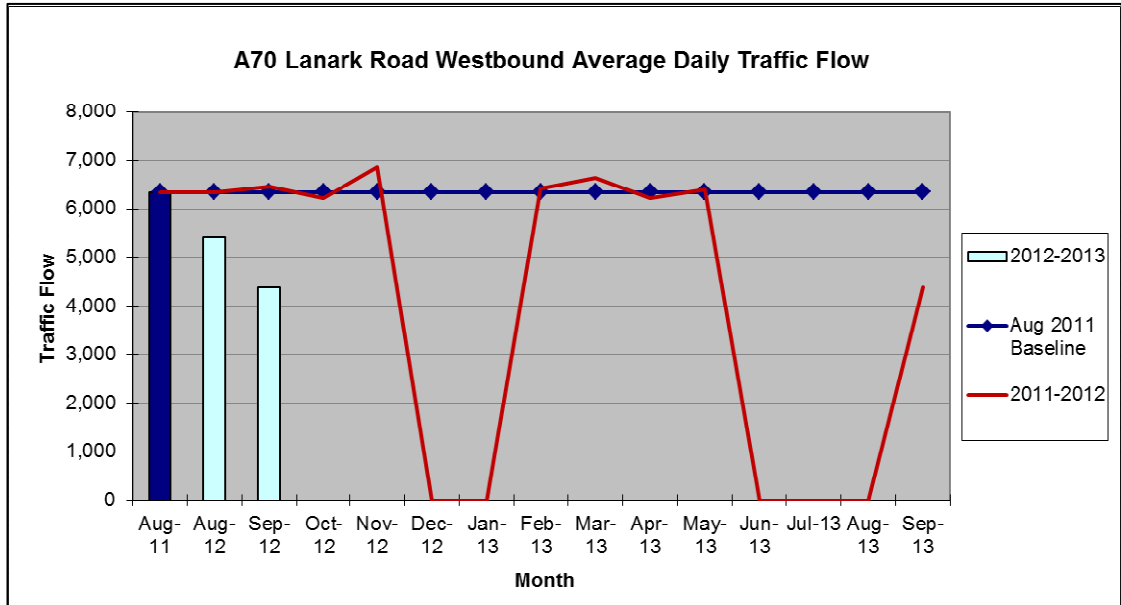


Figure 4-192 Monthly Westbound AADTs on the A70 Lanark Road

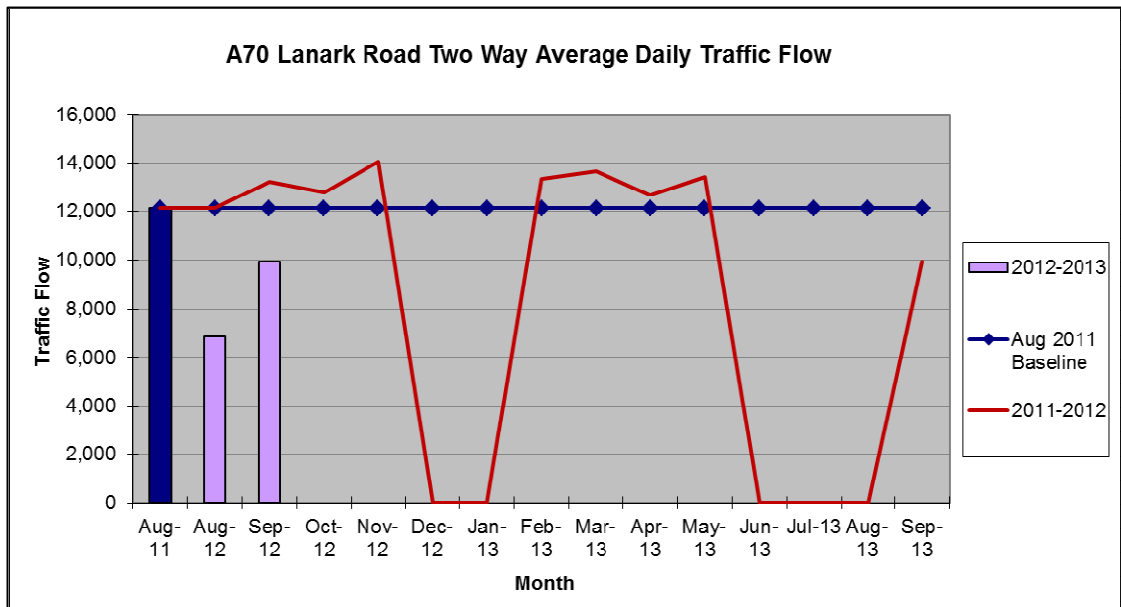


Figure 4-193 Monthly Two Way Daily Traffic Flows on the A70 Lanark Road

### 4.11.2 Monthly Average AM Peak Traffic Flows

Table 4-72 Site: JTC00605 AM Peak Traffic Flows – August 2012 to September 2013

Counter	Location	Date	EB	WB	Two Way		
JTC00605	A70 Lanark Road	Aug-11	1,091	767	1,858		
		Aug-12	284	724	1,009		
		Sep-12	1,157	611	1,768		
		Oct-12	No Data	No Data	No Data		
		Nov-12	No Data	No Data	No Data		
		Dec-12	No Data	No Data	No Data		
		Jan-13	No Data	No Data	No Data		
		Feb-13	No Data	No Data	No Data		
		Mar-13	No Data	No Data	No Data		
		Apr-13	No Data	No Data	No Data		
		May-13	No Data	No Data	No Data		
		Jun-13	No Data	No Data	No Data		
		Jul-13	No Data	No Data	No Data		
		Aug-13	No Data	No Data	No Data		
		Sep-13	No Data	No Data	No Data		
		<b>Annual Average</b>			<b>721</b>	<b>668</b>	<b>1,388</b>

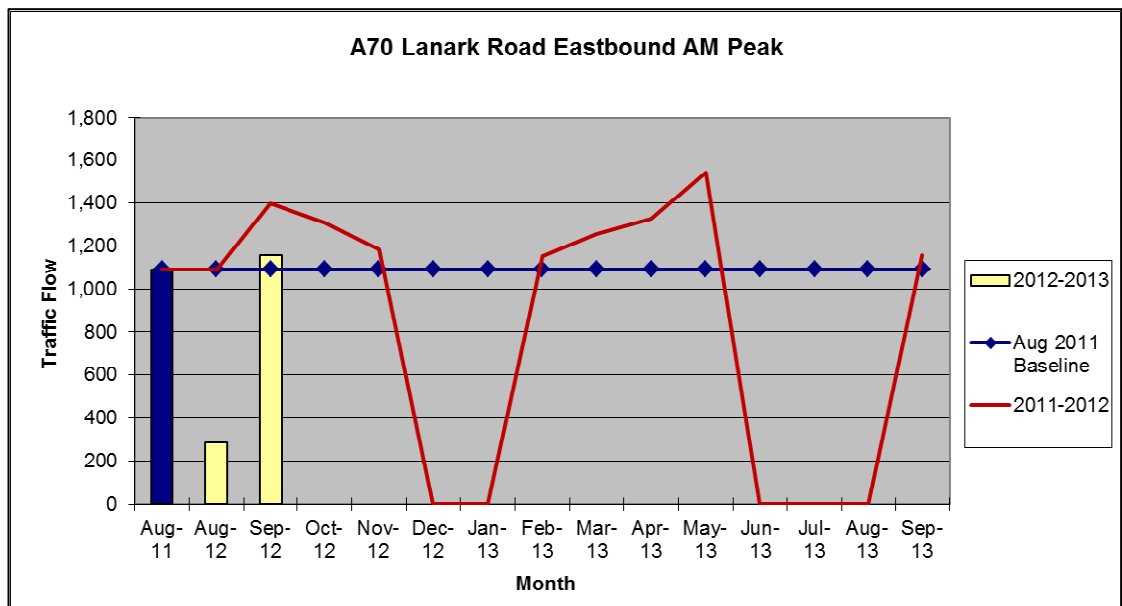


Figure 4-194 Monthly Eastbound AM Peak Flows on the A70 Lanark Road

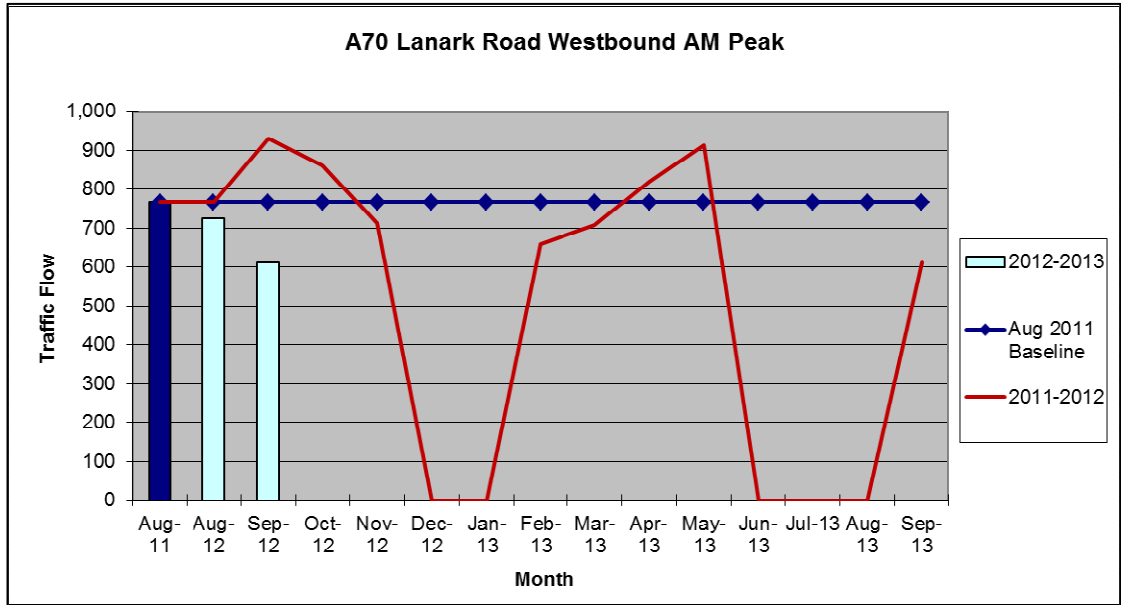


Figure 4-195 Monthly Westbound AM Peak Flows on the A70 Lanark Road

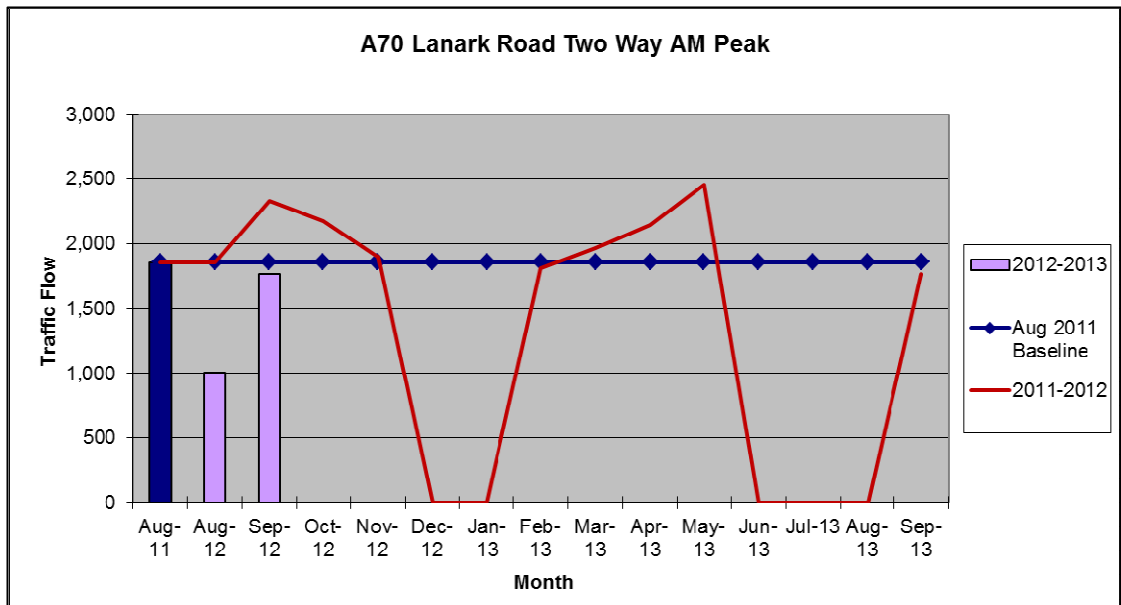


Figure 4-196 Monthly Two Way AM Peak Flows on the A70 Lanark Road

### 4.11.3 Monthly Average PM Peak Traffic Flows

Table 4-73 Site: JTC00605 PM Peak Traffic Flows – August 2012 to September 2013

Counter	Location	Date	EB	WB	Two Way
JTC00605	A70 Lanark Road	Aug-11	1,368	1,696	3,063
		Aug-12	365	1,353	1,718
		Sep-12	1,238	1,138	2,376
		Oct-12	No Data	No Data	No Data
		Nov-12	No Data	No Data	No Data
		Dec-12	No Data	No Data	No Data
		Jan-13	No Data	No Data	No Data
		Feb-13	No Data	No Data	No Data
		Mar-13	No Data	No Data	No Data
		Apr-13	No Data	No Data	No Data
		May-13	No Data	No Data	No Data
		Jun-13	No Data	No Data	No Data
		Jul-13	No Data	No Data	No Data
		Aug-13	No Data	No Data	No Data
		Sep-13	No Data	No Data	No Data
<b>Annual Average</b>			<b>801</b>	<b>1,246</b>	<b>2,047</b>

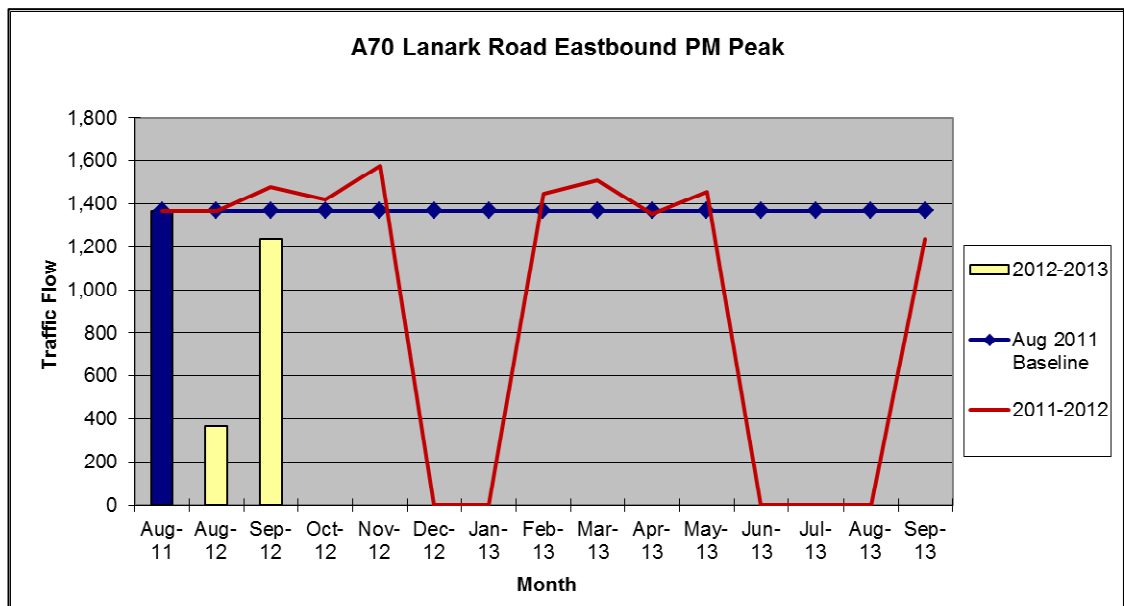


Figure 4-197 Monthly Eastbound PM Peak Flows on the A70 Lanark Road

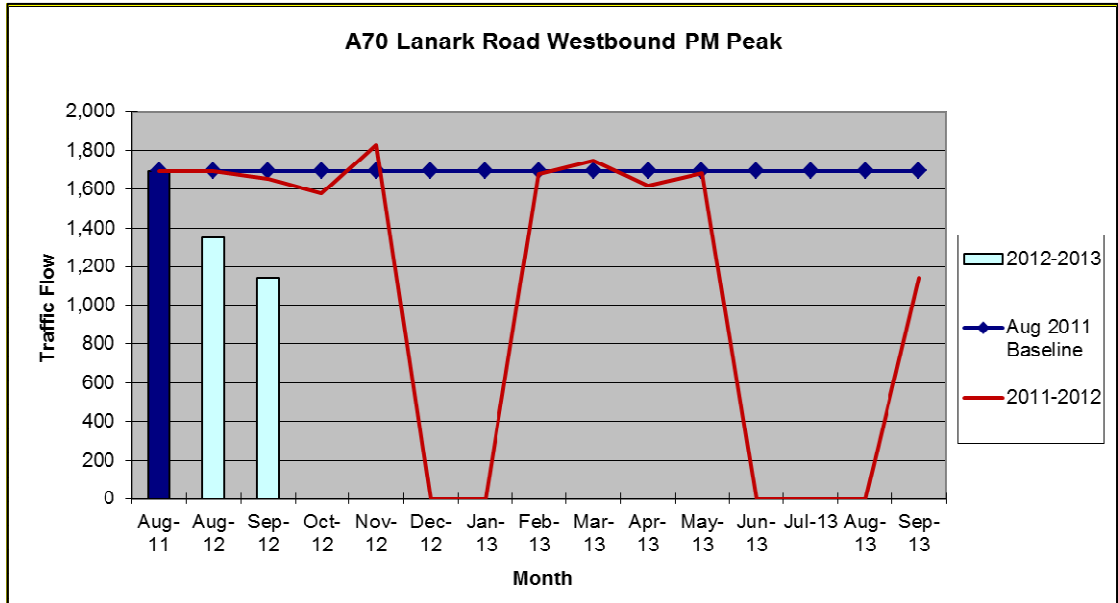


Figure 4-198 Monthly Westbound PM Peak Flows on the A70 Lanark Road

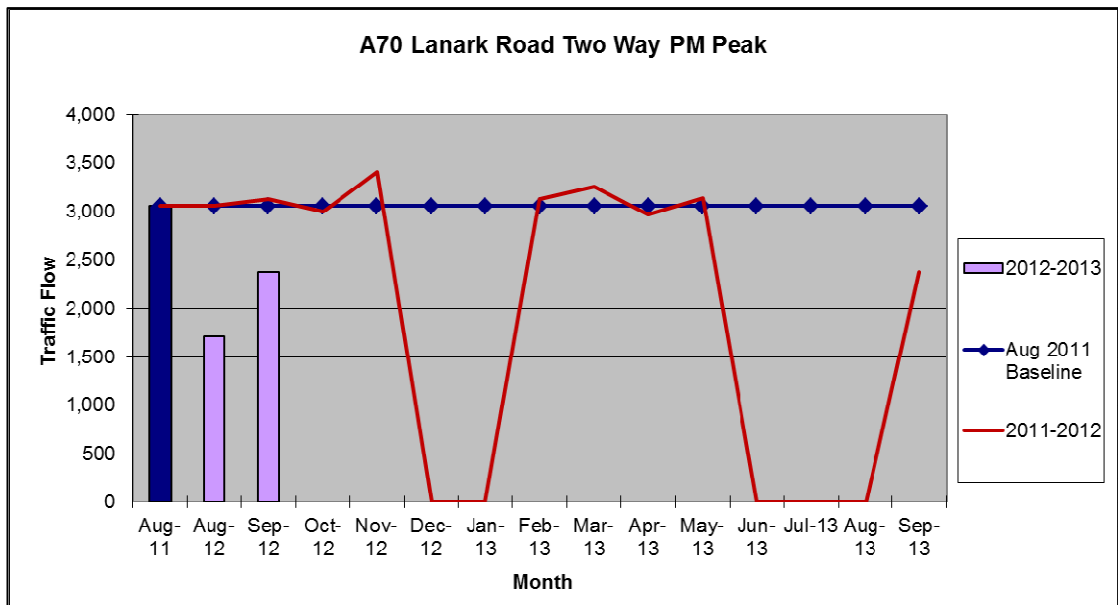


Figure 4-199 Monthly Two Way PM Peak Flows on the A70 Lanark Road

### 4.11.4 Monthly Average HGV Flows

Table 4-74 Site: JTC00605 Annual HGV Traffic Flows – August 2012 to September 2013

Counter	Location	Date	EB	WB	Two Way
JTC00605	A70 Lanark Road	Aug-11	115	144	259
		Aug-12	No Data	No Data	No Data
		Sep-12	91	61	152
		Oct-12	No Data	No Data	No Data
		Nov-12	No Data	No Data	No Data
		Dec-12	No Data	No Data	No Data
		Jan-13	No Data	No Data	No Data
		Feb-13	No Data	No Data	No Data
		Mar-13	No Data	No Data	No Data
		Apr-13	No Data	No Data	No Data
		May-13	No Data	No Data	No Data
		Jun-13	No Data	No Data	No Data
		Jul-13	No Data	No Data	No Data
		Aug-13	No Data	No Data	No Data
		Sep-13	No Data	No Data	No Data
<b>Annual Average</b>			<b>91</b>	<b>61</b>	<b>152</b>

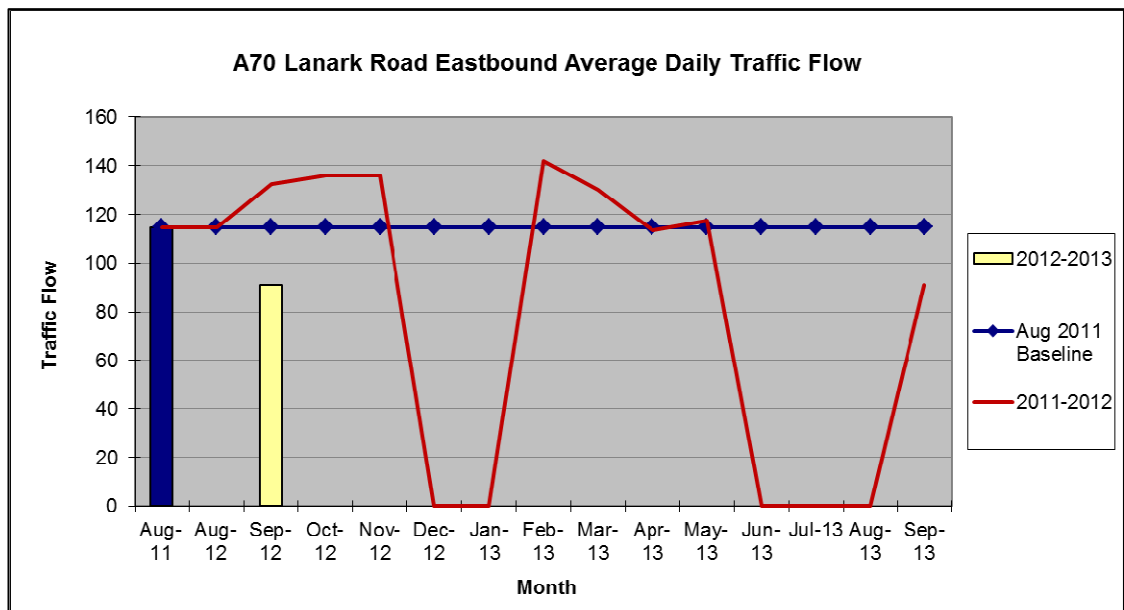


Figure 4-200 Monthly Eastbound HGV Flows on the A70 Lanark Road

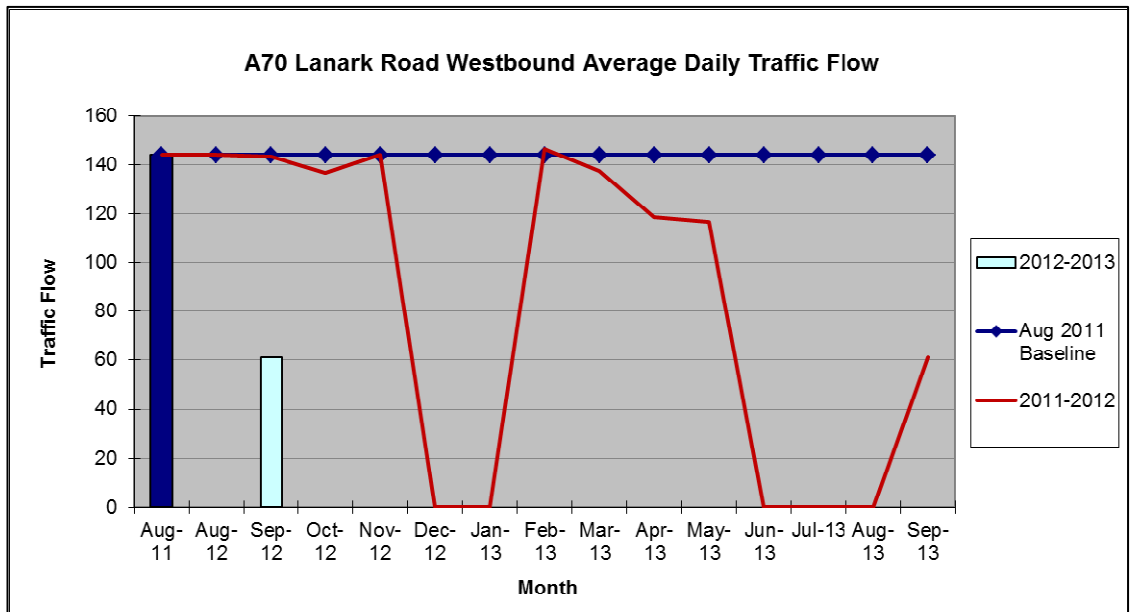


Figure 4-201 Monthly Westbound HGV Flows on the A70 Lanark Road

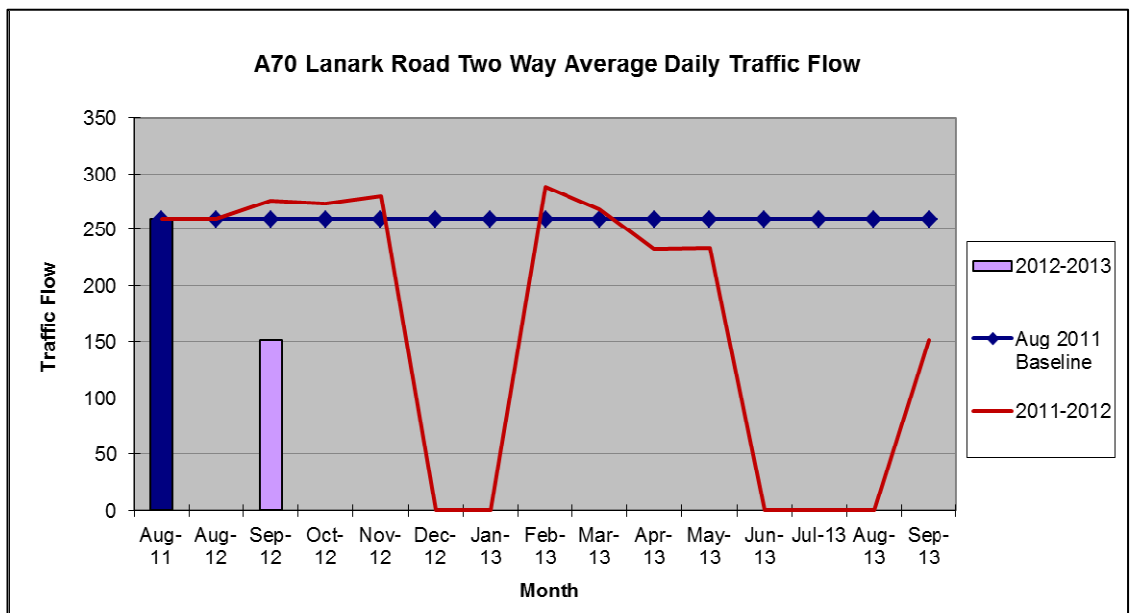


Figure 4-202 Monthly Two Way HGV Flows on the A70 Lanark Road

### 4.11.5 Monthly Average AM Peak HGV Flows

Table 4-75 Site: JTC00605 AM Peak HGV Traffic Flows – August 2012 to September 2013

Counter	Location	Date	EB	WB	Two Way
JTC00605	A70 Lanark Road	Aug-11	19	26	45
		Aug-12	No Data	No Data	No Data
		Sep-12	19	11	30
		Oct-12	No Data	No Data	No Data
		Nov-12	No Data	No Data	No Data
		Dec-12	No Data	No Data	No Data
		Jan-13	No Data	No Data	No Data
		Feb-13	No Data	No Data	No Data
		Mar-13	No Data	No Data	No Data
		Apr-13	No Data	No Data	No Data
		May-13	No Data	No Data	No Data
		Jun-13	No Data	No Data	No Data
		Jul-13	No Data	No Data	No Data
		Aug-13	No Data	No Data	No Data
		Sep-13	No Data	No Data	No Data
		<b>Annual Average</b>	<b>No Data</b>	<b>No Data</b>	<b>No Data</b>

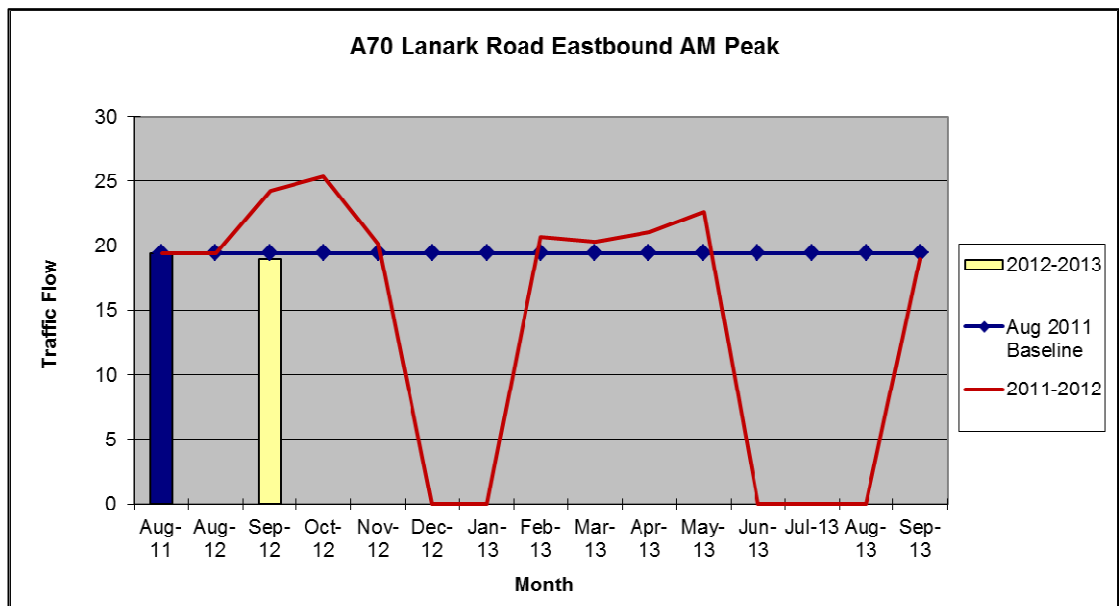


Figure 4-203 Monthly Eastbound AM Peak HGV Flows on the A70 Lanark Road



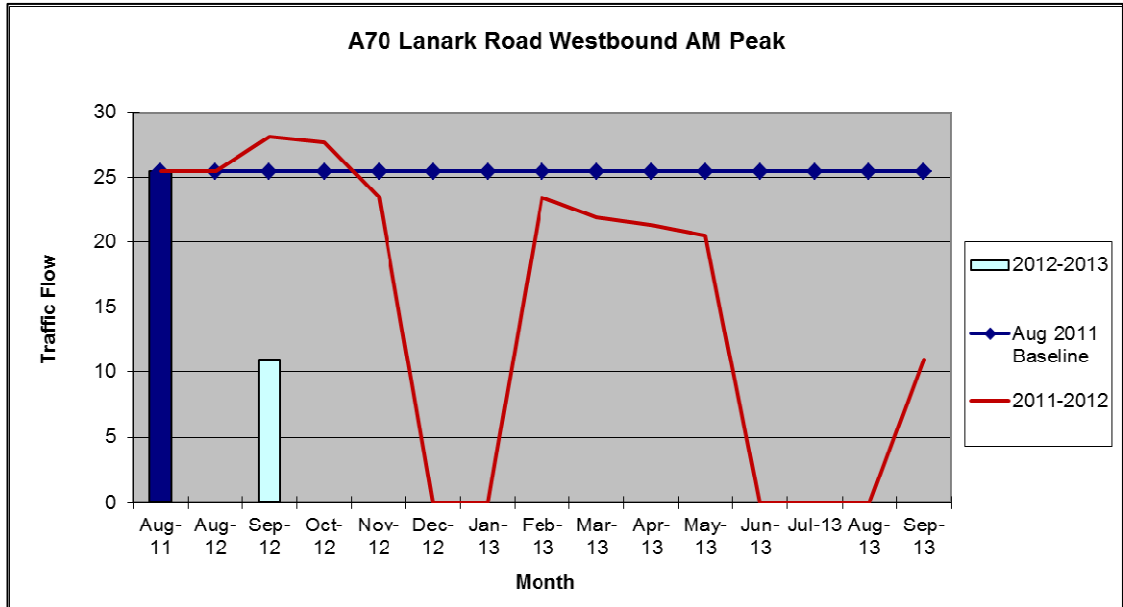


Figure 4-204 Monthly Westbound AM Peak HGV Flows on the A70 Lanark Road

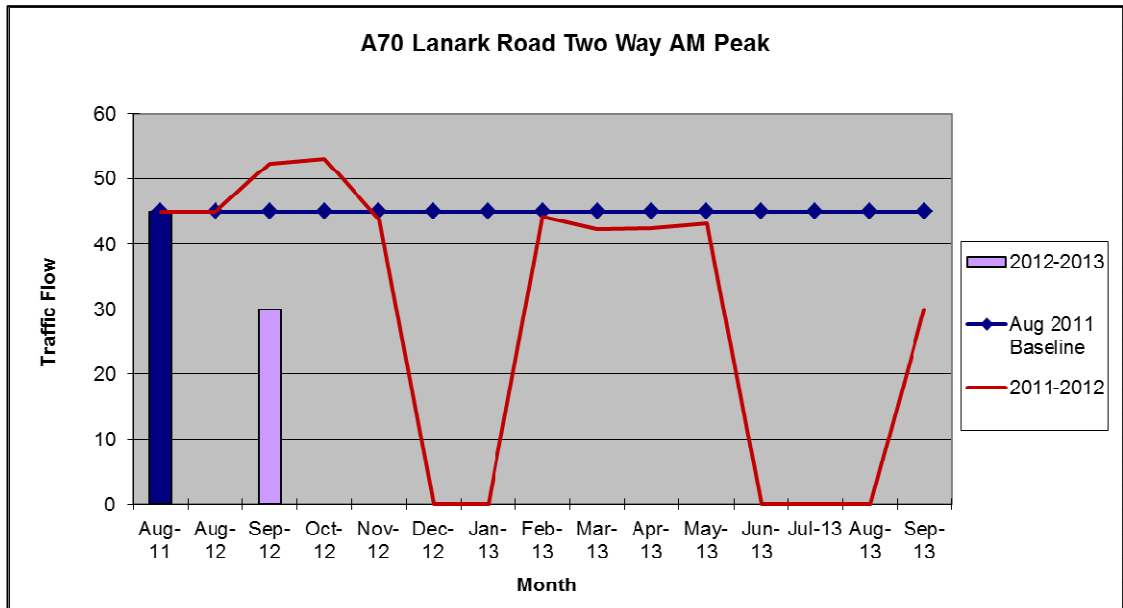


Figure 4-205 Monthly Two Way AM Peak HGV Flows on the A70 Lanark Road

### 4.11.6 Monthly Average PM Peak HGV Flows

Table 4-76 Site: JTC00605 PM Peak HGV Traffic Flows – August 2012 to September 2013

Counter	Location	Date	EB	WB	Two Way
JTC00605	A70 Lanark Road	Aug-11	26	33	60
		Aug-12	No Data	No Data	No Data
		Sep-12	21	14	35
		Oct-12	No Data	No Data	No Data
		Nov-12	No Data	No Data	No Data
		Dec-12	No Data	No Data	No Data
		Jan-13	No Data	No Data	No Data
		Feb-13	No Data	No Data	No Data
		Mar-13	No Data	No Data	No Data
		Apr-13	No Data	No Data	No Data
		May-13	No Data	No Data	No Data
		Jun-13	No Data	No Data	No Data
		Jul-13	No Data	No Data	No Data
		Aug-13	No Data	No Data	No Data
		Sep-13	No Data	No Data	No Data
		<b>Annual Average</b>	<b>21</b>	<b>14</b>	<b>35</b>

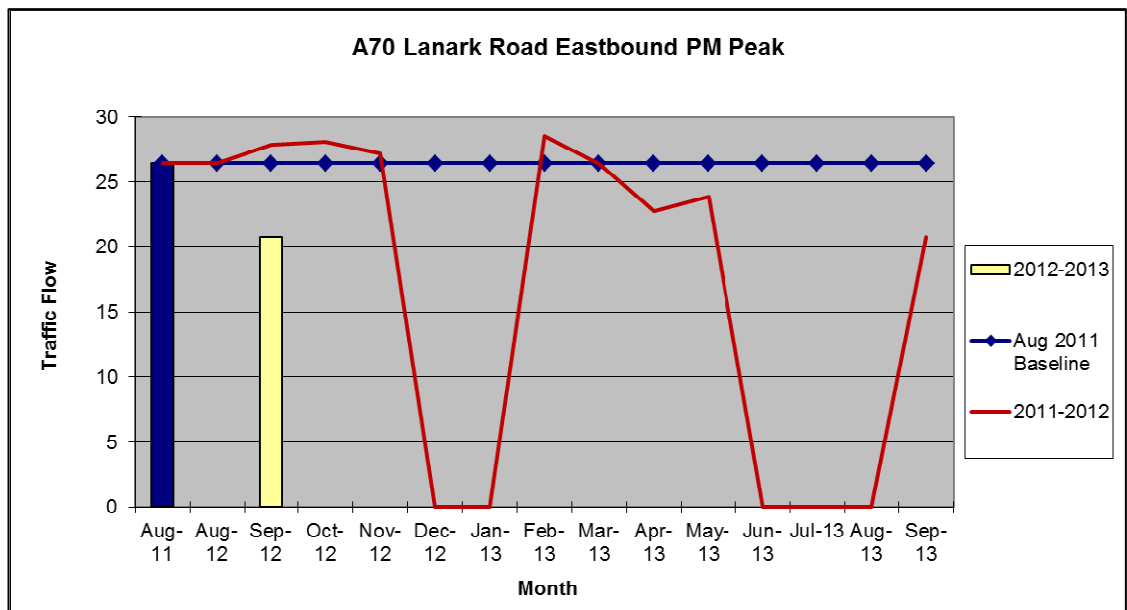


Figure 4-206 Monthly Eastbound PM HGV Peak Flows on the A70 Lanark Road

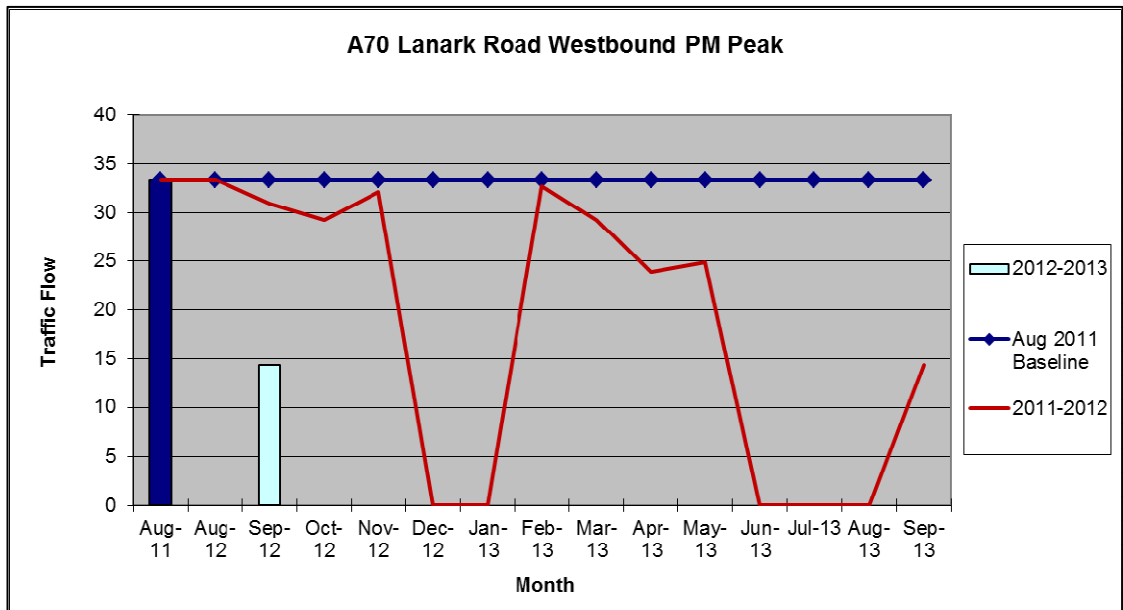


Figure 4-207 Monthly Westbound PM Peak HGV Flows on the A70 Lanark Road

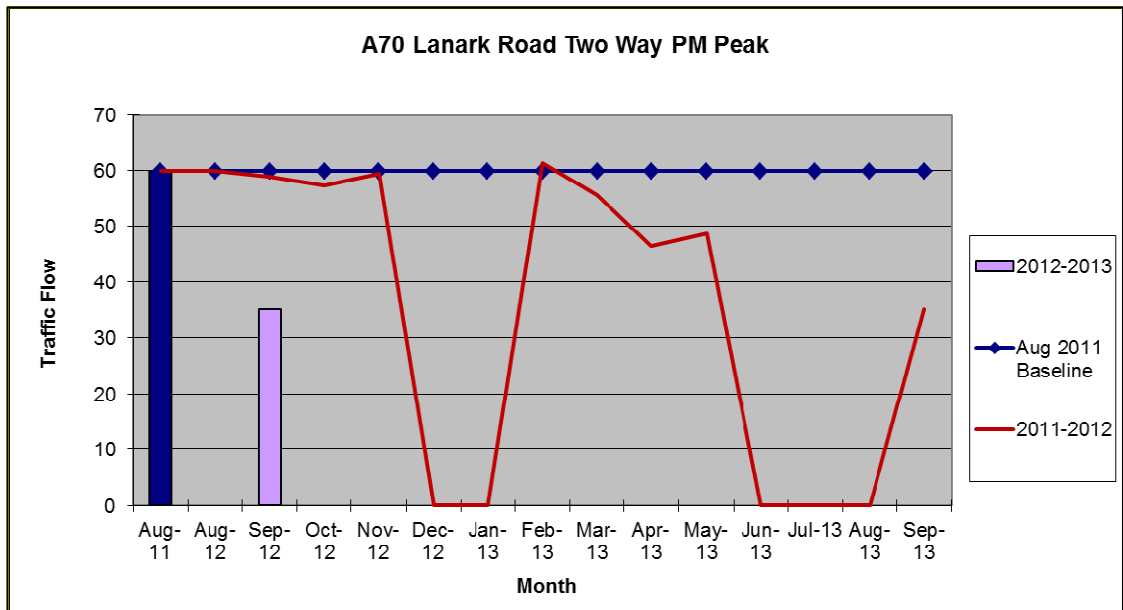


Figure 4-208 Monthly Two Way PM Peak HGV Flows on the A70 Lanark Road

4.11.7 Monthly Average All Vehicles Traffic Speeds

Table 4-77 Site: JTC00605 Average Monthly Traffic Speeds (KPH) (All Vehicles) – August 2012 to September 2013

Counter	Location	Date	EB	WB
JTC00605	A70 Lanark Road	Aug-12	42	39
		Sep-12	45	42
		Oct-12	No Data	No Data
		Nov-12	No Data	No Data
		Dec-12	No Data	No Data
		Jan-13	No Data	No Data
		Feb-13	No Data	No Data
		Mar-13	No Data	No Data
		Apr-13	No Data	No Data
		May-13	No Data	No Data
		Jun-13	No Data	No Data
		Jul-13	No Data	No Data
		Aug-13	No Data	No Data
		Sep-13	No Data	No Data

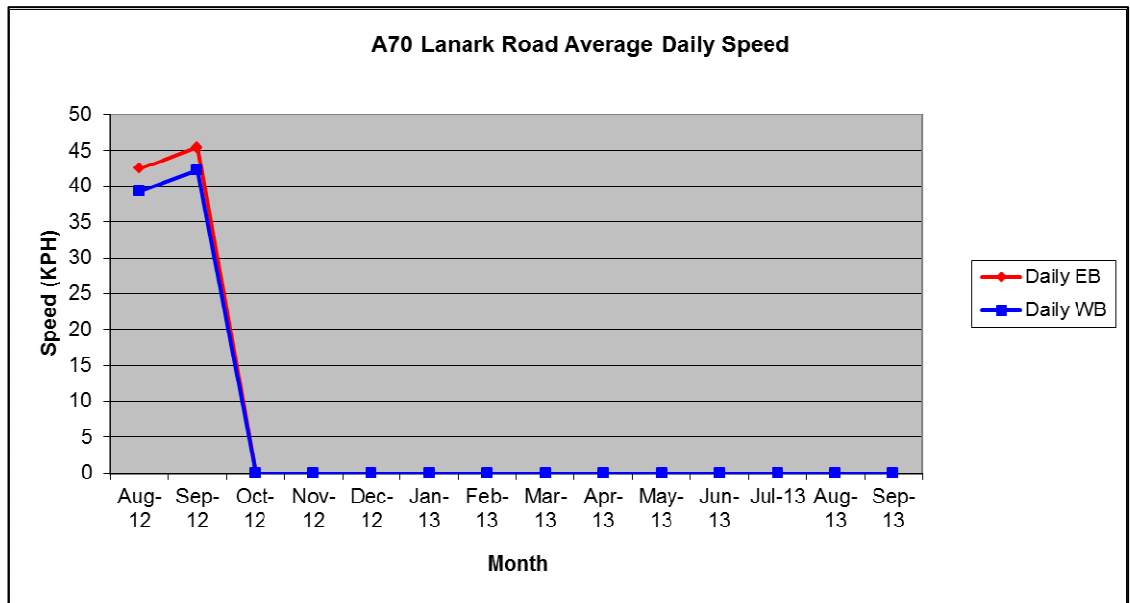


Figure 4-209 Average Monthly Traffic Speeds (KPH) on the A70 Lanark Road

## 4.12 Traffic Counter JTC00606 – A985 Kincardine Bridge

### 4.12.1 Monthly Average Traffic Flows

Table 3-78 Site: JTC00606 Annual Traffic Flows – August 2012 to September 2013

Counter	Location	Date	EB	WB	Two Way
JTC00606	A985 Kincardine Bridge	Aug-11	6,141	5,833	11,974
		Aug-12	6,897	6,516	13,413
		Sep-12	6,573	6,161	12,733
		Oct-12	6,652	6,304	12,957
		Nov-12	6,826	6,311	13,137
		Dec-12	5,430	5,130	10,560
		Jan-13	5,225	4,875	10,100
		Feb-13	5,432	5,097	10,529
		Mar-13	5,652	5,319	10,971
		Apr-13	6,669	6,275	12,944
		May-13	6,662	6,239	12,901
		Jun-13	6,834	6,432	13,266
		Jul-13	6,852	6,391	13,243
		Aug-13	6,952	6,576	13,528
		Sep-13	6,627	6,244	12,871
			<b>Annual Average</b>		<b>6,309</b>

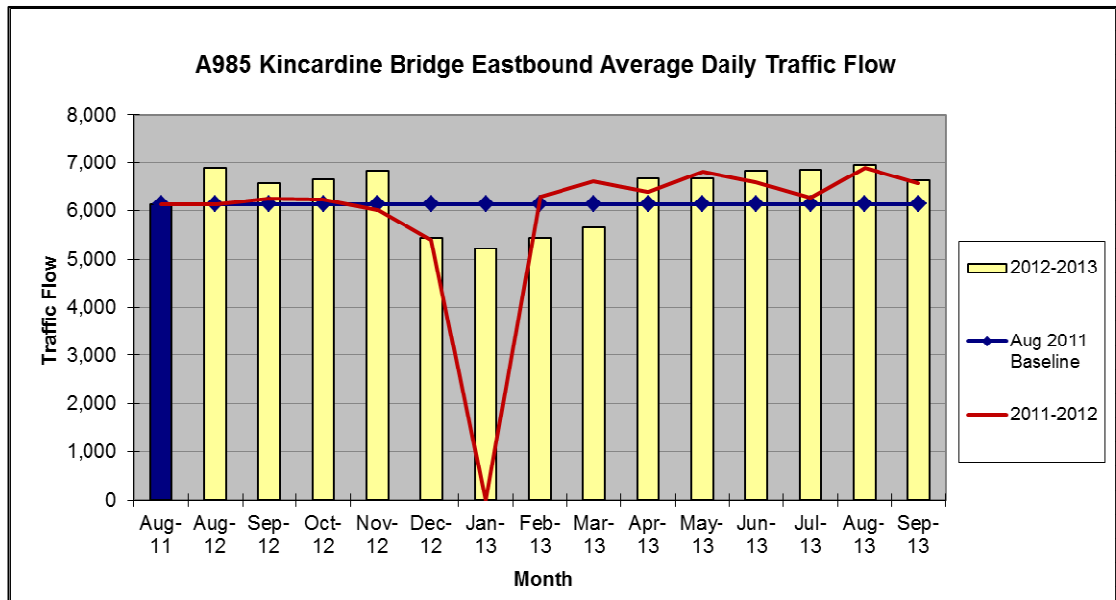


Figure 4-210 Monthly Eastbound AADTs on the A985 Kincardine Bridge

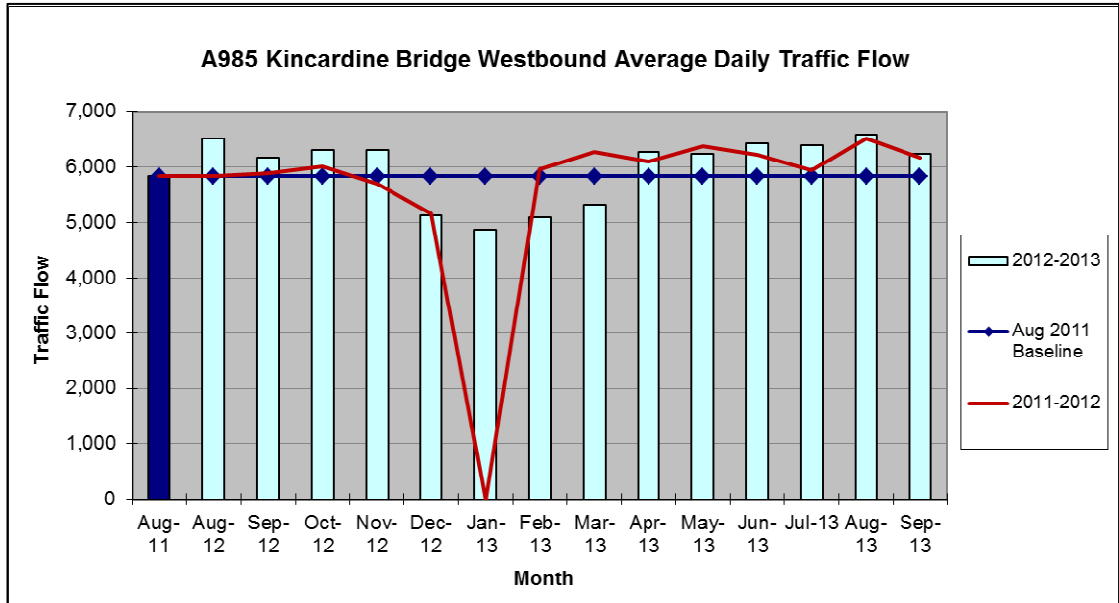


Figure 4-211 Monthly Westbound AADTs on the A985 Kincardine Bridge

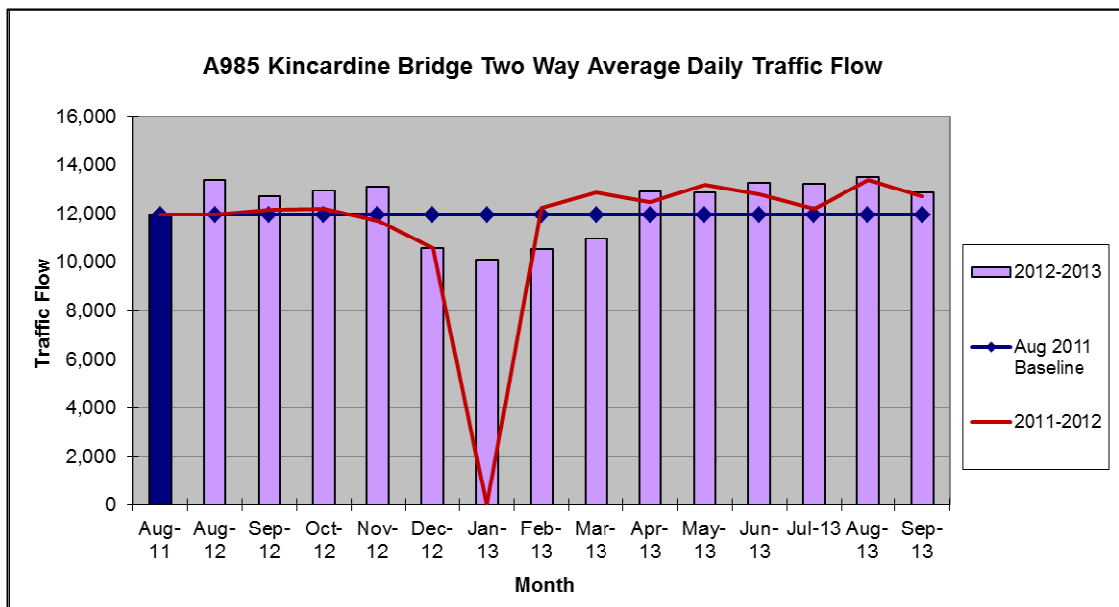


Figure 4-212 Monthly Two Way Daily Traffic Flows on the A985 Kincardine Bridge

### 4.12.2 Monthly Average AM Peak Traffic Flows

Table 4-79 Site: JTC00606 AM Peak Traffic Flows – August 2012 to September 2013

Counter	Location	Date	EB	WB	Two Way
JTC00606	A985 Kincardine Bridge	Aug-11	1,316	1,217	2,533
		Aug-12	1,437	1,344	2,781
		Sep-12	1,377	1,295	2,673
		Oct-12	1,462	1,339	2,801
		Nov-12	1,560	1,305	2,865
		Dec-12	1,066	980	2,046
		Jan-13	1,063	1,007	2,070
		Feb-13	1,064	1,017	2,081
		Mar-13	1,138	1,075	2,213
		Apr-13	1,362	1,302	2,664
		May-13	1,400	1,332	2,732
		Jun-13	1,406	1,305	2,711
		Jul-13	1,342	1,250	2,591
		Aug-13	1,403	1,319	2,723
		Sep-13	1,374	1,327	2,701
	<b>Annual Average</b>		<b>1,306</b>	<b>1,213</b>	<b>2,519</b>

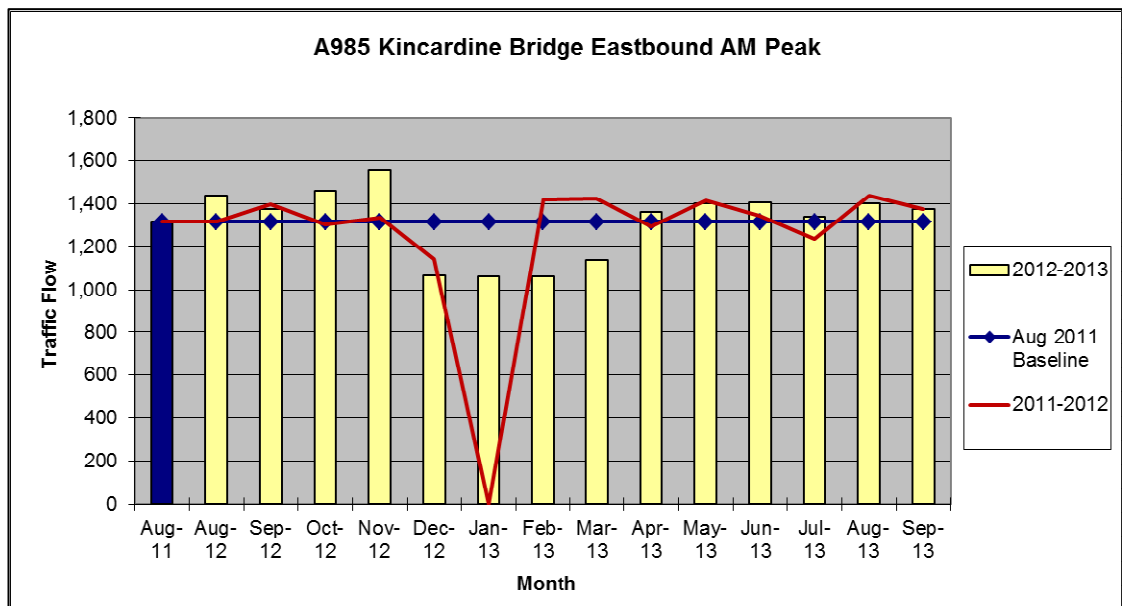


Figure 4-213 Monthly Eastbound AM Peak Flows on the A985 Kincardine Bridge

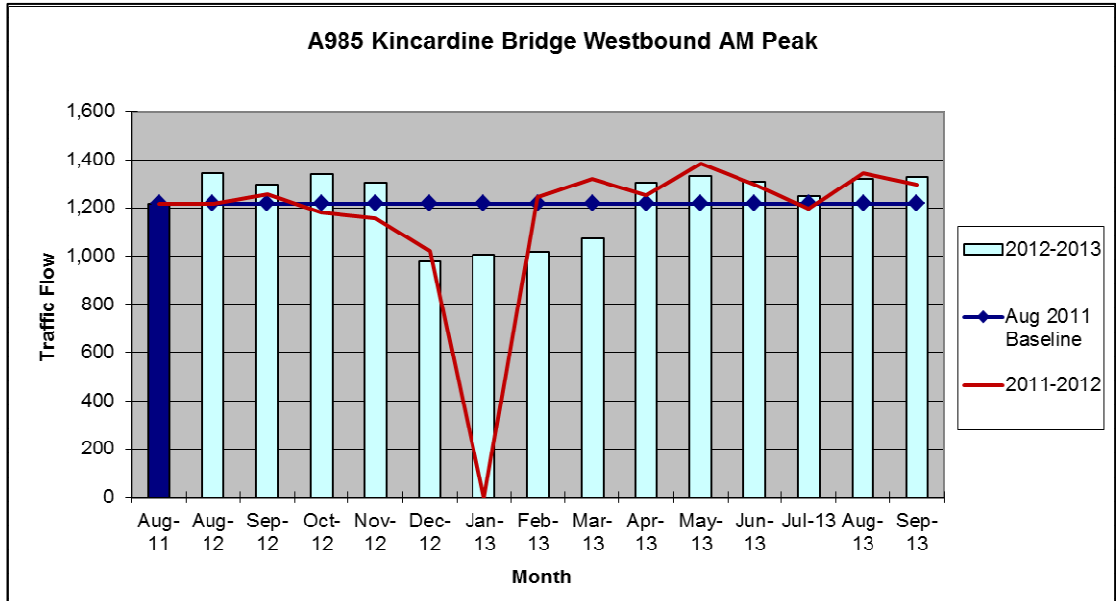


Figure 4-214 Monthly Westbound AM Peak Flows on the A985 Kincardine Bridge

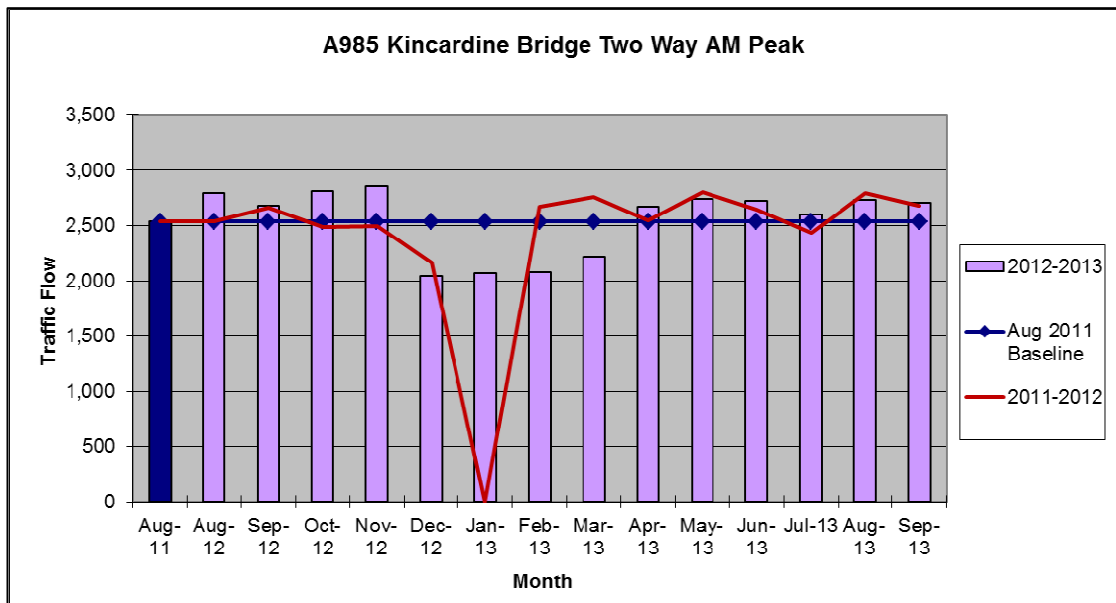


Figure 4-215 Monthly Two Way AM Peak Flows on the A985 Kincardine Bridge



### 4.12.3 Monthly Average PM Peak Traffic Flows

Table 4-80 Site: JTC00606 PM Peak Traffic Flows – August 2012 to September 2013

Counter	Location	Date	EB	WB	Two Way
JTC00606	A985 Kincardine Bridge	Aug-11	1,540	1,432	2,972
		Aug-12	1,762	1,718	3,480
		Sep-12	1,665	1,591	3,255
		Oct-12	1,713	1,657	3,370
		Nov-12	1,790	1,642	3,432
		Dec-12	1,351	1,197	2,547
		Jan-13	1,346	1,276	2,622
		Feb-13	1,290	1,212	2,502
		Mar-13	1,420	1,409	2,829
		Apr-13	1,684	1,615	3,299
		May-13	1,692	1,633	3,325
		Jun-13	1,689	1,722	3,411
		Jul-13	1,705	1,768	3,473
		Aug-13	1,775	1,735	3,509
		Sep-13	1,708	1,645	3,353
	<b>Annual Average</b>		<b>1,592</b>	<b>1,537</b>	<b>3,129</b>

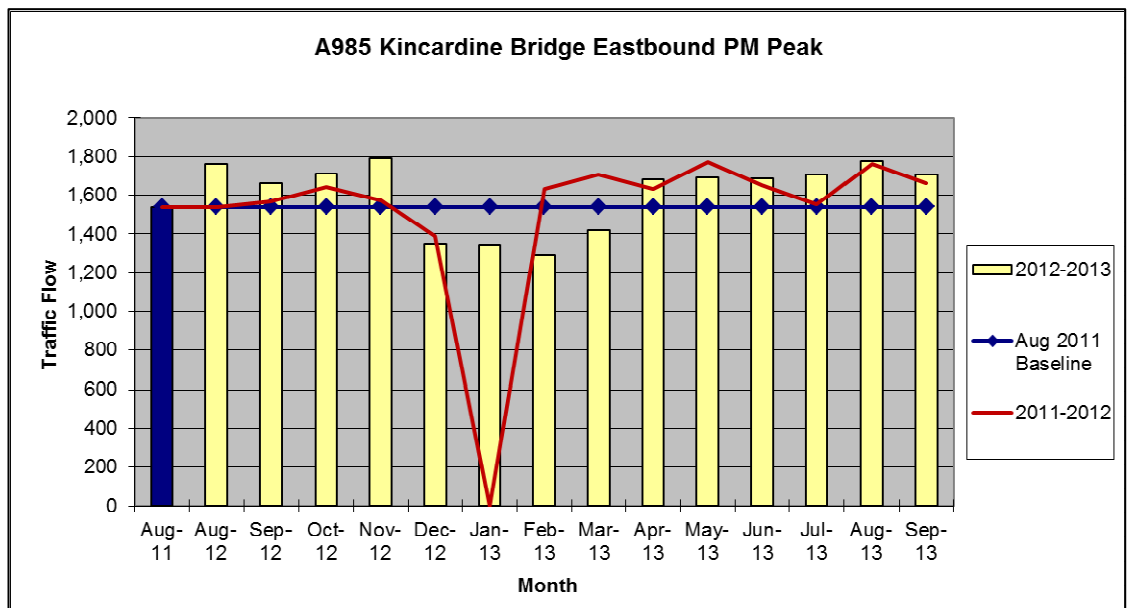


Figure 4-216 Monthly Eastbound PM Peak Flows on the A985 Kincardine Bridge

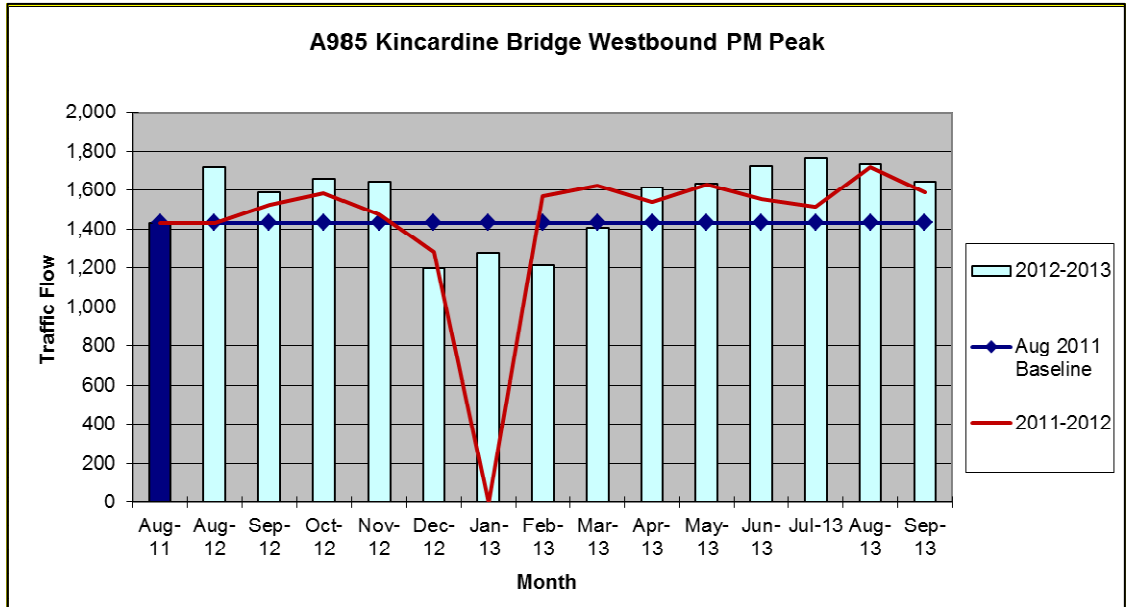


Figure 4-217 Monthly Westbound PM Peak Flows on the A985 Kincardine Bridge

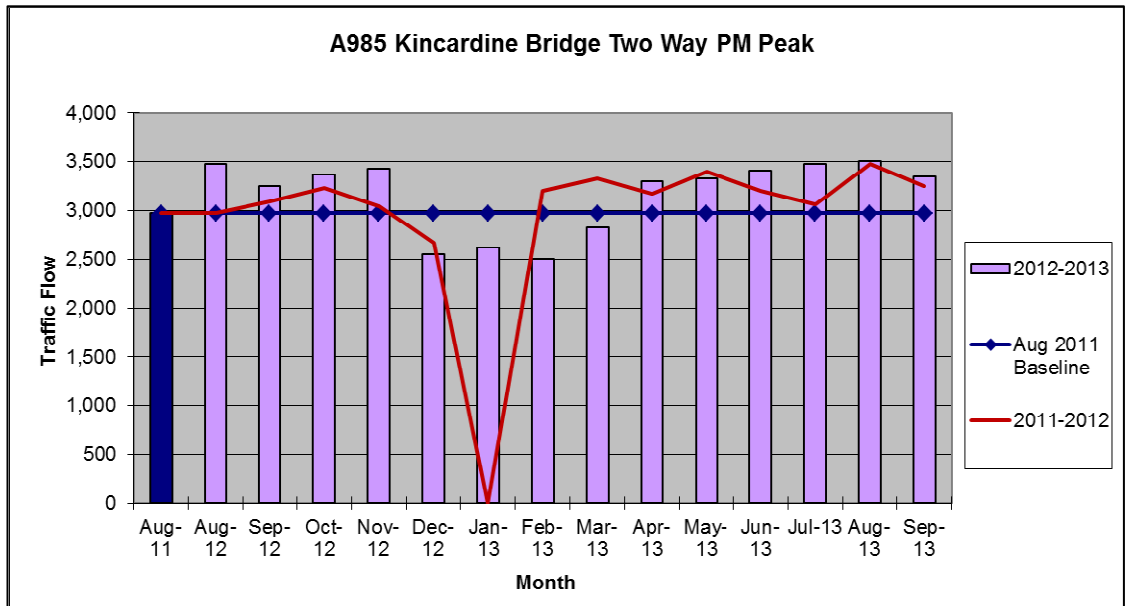


Figure 4-218 Monthly Two Way PM Peak Flows on the A985 Kincardine Bridge

### 4.12.4 Monthly Average HGV Flows

Table 4-81 Site: JTC00606 Annual HGV Traffic Flows – August 2012 to September 2013

Counter	Location	Date	EB	WB	Two Way
JTC00606	A985 Kincardine Bridge	Aug-11	215	226	442
		Aug-12	298	306	604
		Sep-12	298	293	591
		Oct-12	283	286	569
		Nov-12	303	290	593
		Dec-12	218	217	434
		Jan-13	237	232	469
		Feb-13	320	308	628
		Mar-13	284	272	556
		Apr-13	324	312	636
		May-13	234	239	473
		Jun-13	235	242	477
		Jul-13	233	234	468
		Aug-13	227	243	469
		Sep-13	236	240	476
		<b>Annual Average</b>	<b>272</b>	<b>269</b>	<b>541</b>

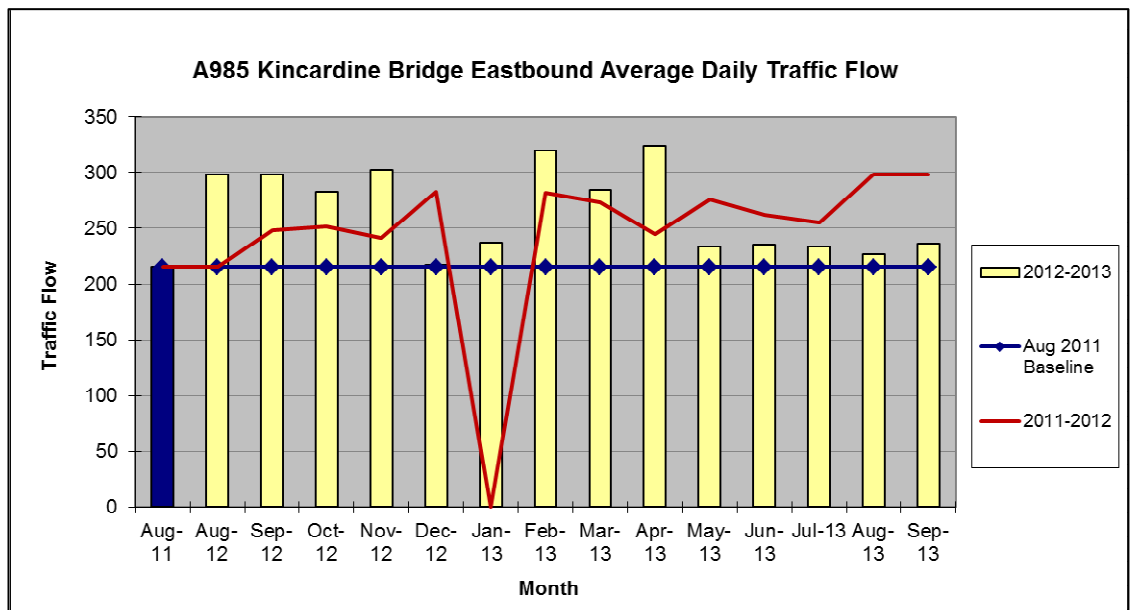


Figure 4-219 Monthly Eastbound HGV Flows on the A985 Kincardine Bridge

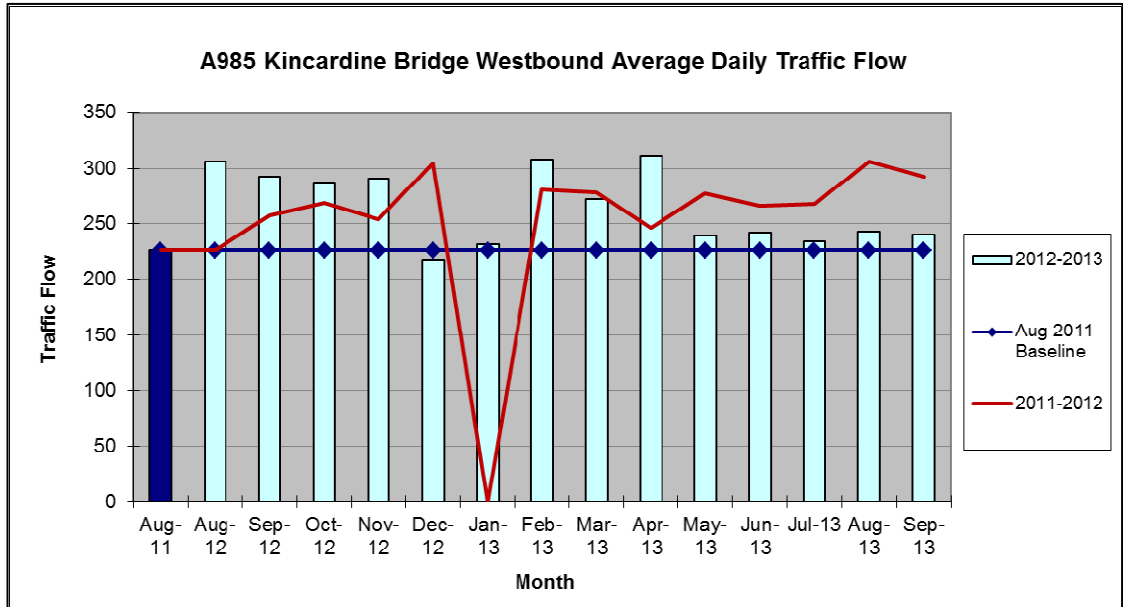


Figure 4-220 Monthly Westbound HGV Flows on the A985 Kincardine Bridge

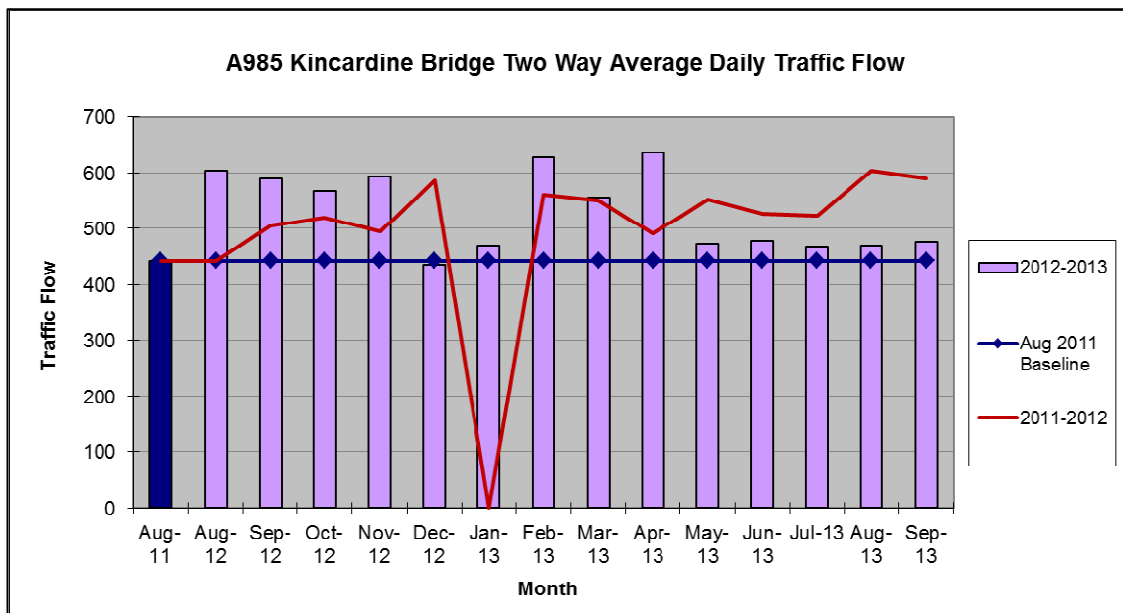


Figure 4-221 Monthly Two Way HGV Flows on the A985 Kincardine Bridge

### 4.12.5 Monthly Average AM Peak HGV Flows

Table 4-82 Site: JTC00606 AM Peak HGV Traffic Flows – August 2012 to September 2013

Counter	Location	Date	EB	WB	Two Way
JTC00606	A985 Kincardine Bridge	Aug-11	52	52	104
		Aug-12	70	72	141
		Sep-12	72	66	138
		Oct-12	67	62	130
		Nov-12	72	49	121
		Dec-12	50	39	88
		Jan-13	52	47	99
		Feb-13	68	63	131
		Mar-13	72	61	133
		Apr-13	75	68	143
		May-13	57	53	110
		Jun-13	54	56	111
		Jul-13	50	51	101
		Aug-13	52	55	107
		Sep-13	55	55	110
<b>Annual Average</b>			<b>63</b>	<b>57</b>	<b>120</b>

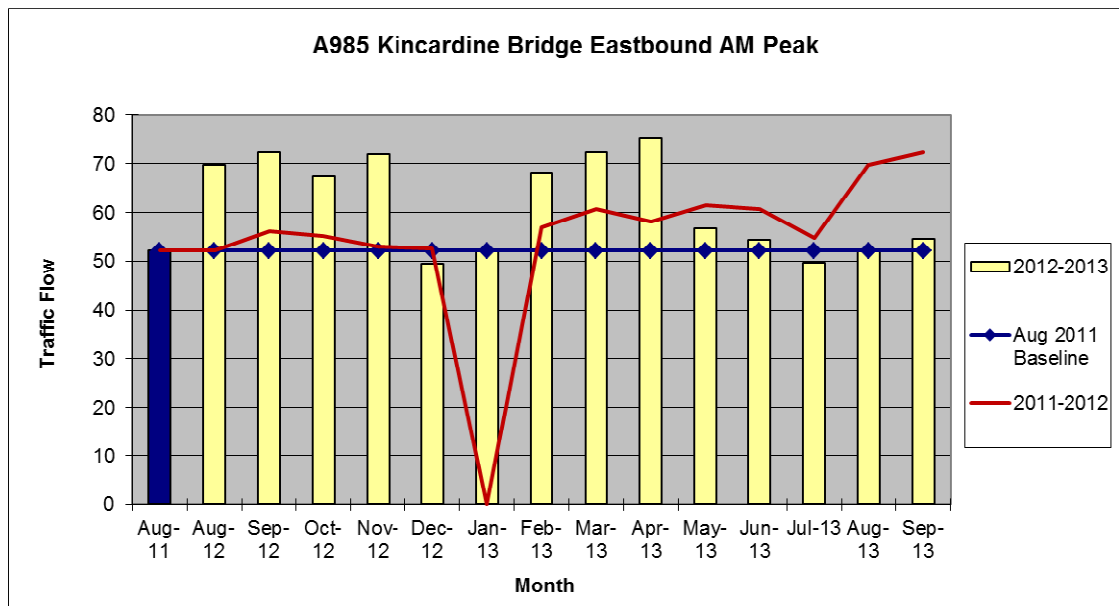


Figure 4-222 Monthly Eastbound AM Peak HGV Flows on the A985 Kincardine Bridge

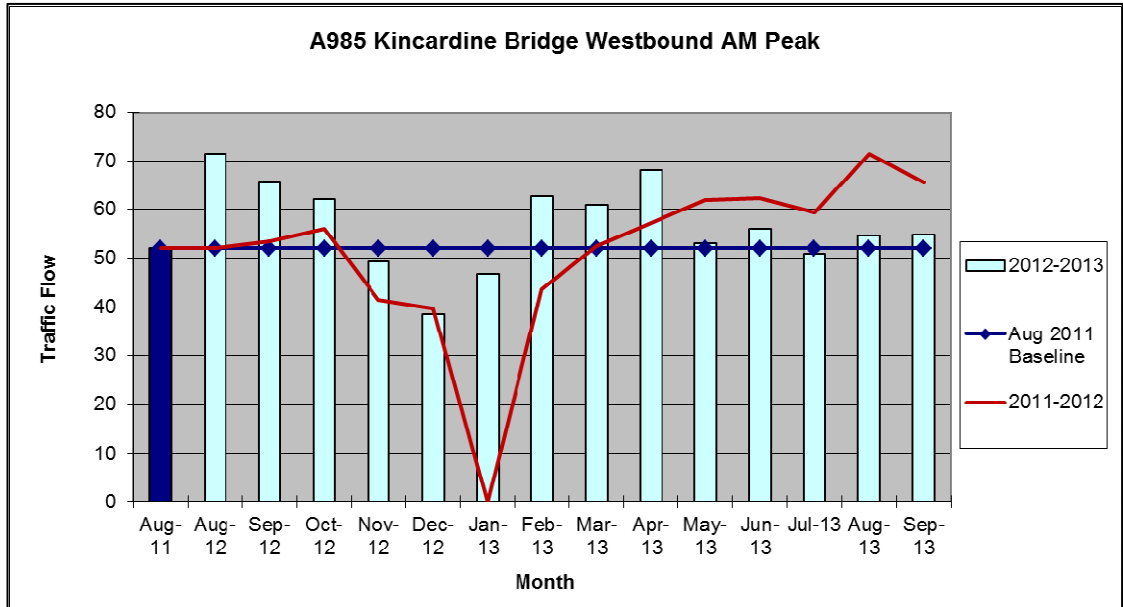


Figure 4-223 Monthly Westbound AM Peak HGV Flows on the A985 Kincardine Bridge

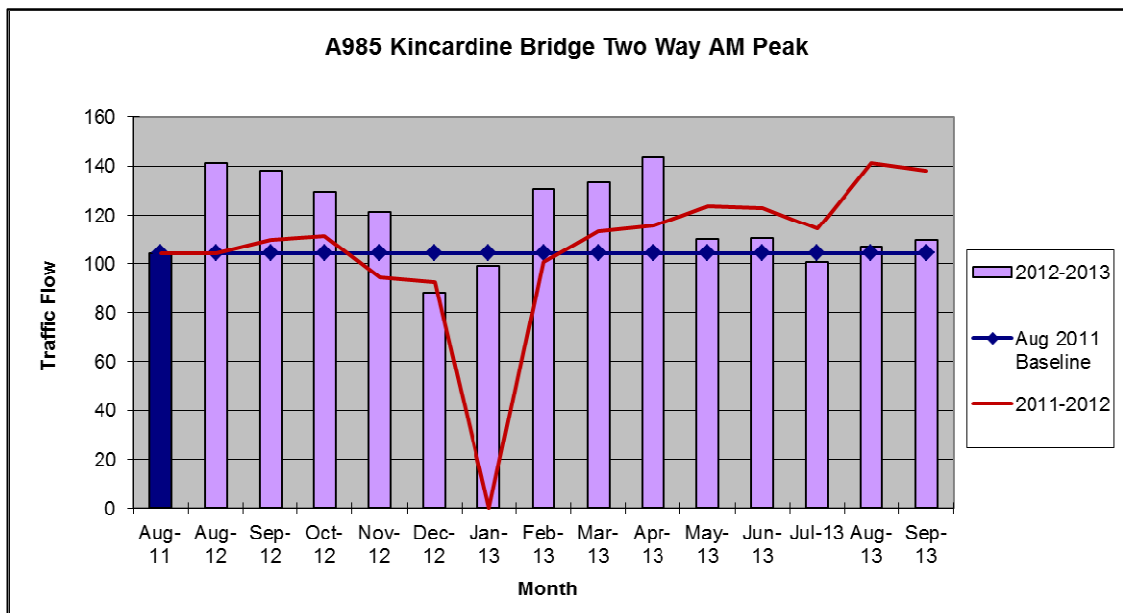


Figure 4-224 Monthly Two Way AM Peak HGV Flows on the A985 Kincardine Bridge

### 4.12.6 Monthly Average PM Peak HGV Flows

Table 4-83 Site: JTC00606 PM Peak HGV Traffic Flows – August 2012 to September 2013

Counter	Location	Date	EB	WB	Two Way
JTC00606	A985 Kincardine Bridge	Aug-11	30	49	79
		Aug-12	44	67	111
		Sep-12	46	64	110
		Oct-12	48	65	112
		Nov-12	64	75	140
		Dec-12	40	50	90
		Jan-13	35	52	88
		Feb-13	41	57	98
		Mar-13	47	63	110
		Apr-13	47	64	110
		May-13	34	57	91
		Jun-13	36	56	91
		Jul-13	36	52	88
		Aug-13	35	57	92
		Sep-13	37	56	93
<b>Annual Average</b>			<b>43</b>	<b>60</b>	<b>103</b>

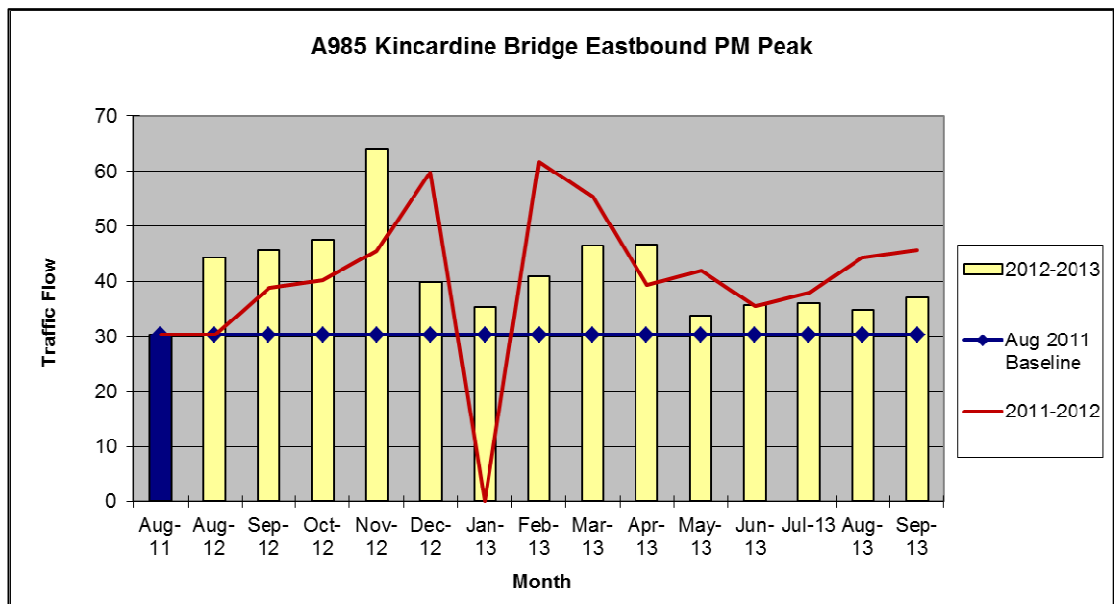


Figure 4-225 Monthly Eastbound PM HGV Peak Flows on the A985 Kincardine Bridge

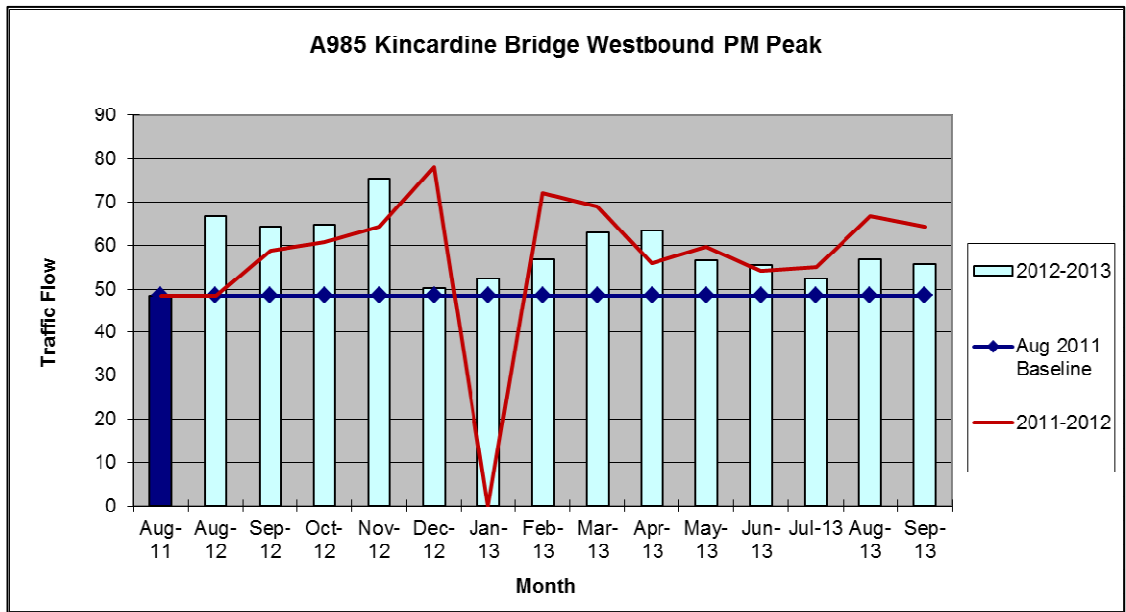


Figure 4-226 Monthly Westbound PM Peak HGV Flows on the A985 Kincardine Bridge

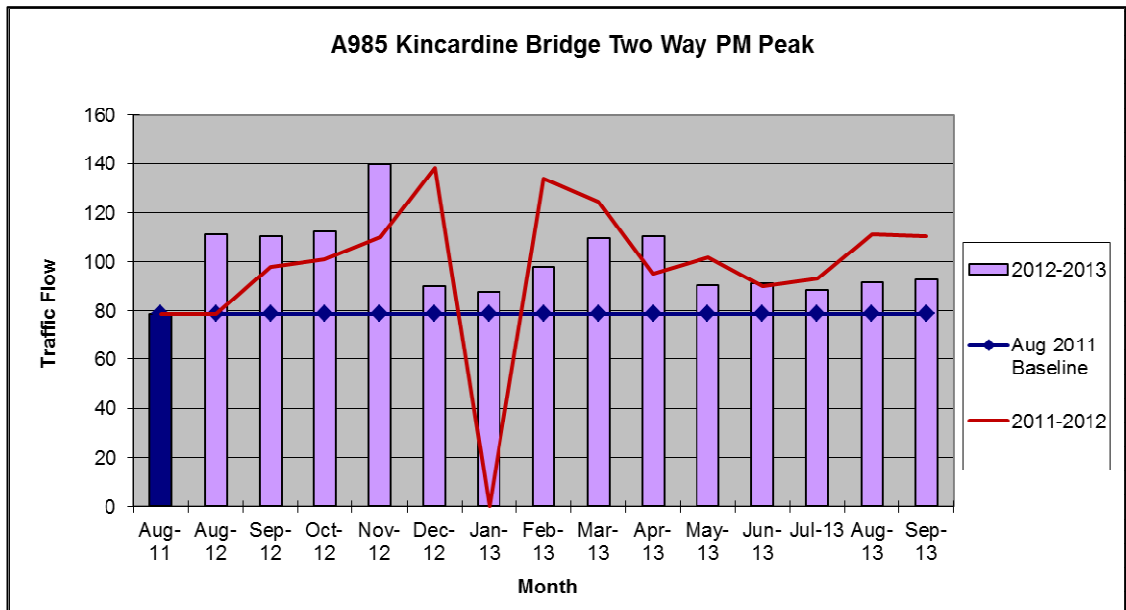


Figure 4-227 Monthly Two Way PM Peak HGV Flows on the A985 Kincardine Bridge



4.12.7 Monthly Average All Vehicles Traffic Speeds

Table 4-84 Site: JTC00606 Average Monthly Traffic Speeds (KPH) (All Vehicles) – August 2012 to September 2013

Counter	Location	Date	EB	WB
JTC00606	A985 Kincardine Bridge	Aug-12	47	47
		Sep-12	47	47
		Oct-12	46	46
		Nov-12	48	46
		Dec-12	48	47
		Jan-13	47	47
		Feb-13	46	46
		Mar-13	47	47
		Apr-13	47	47
		May-13	48	48
		Jun-13	48	48
		Jul-13	47	47
		Aug-13	46	46
		Sep-13	47	47

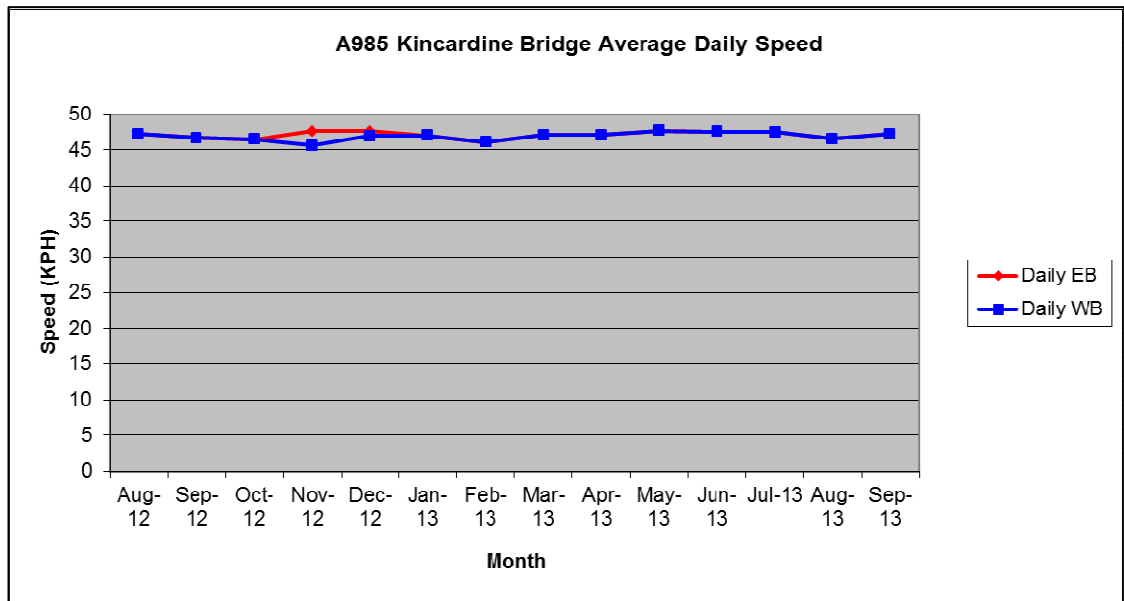


Figure 4-228 Average Monthly Traffic Speeds (KPH) on the A985 Kincardine Bridge

### 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 2012 to September 2013

Counter	Location	Date	NB	SB	Two Way
JTC00607	A9 Causewayhead Road (Stirling)	Aug-11	10,750	11,136	21,886
		Aug-12	10,752	11,048	21,800
		Sep-12	11,026	11,452	22,478
		Oct-12	10,845	11,272	22,117
		Nov-12	10,918	11,253	22,171
		Dec-12	10,002	10,173	20,175
		Jan-13	9,554	9,703	19,257
		Feb-13	10,640	11,084	21,724
		Mar-13	10,626	11,202	21,829
		Apr-13	10,836	11,148	21,984
		May-13	11,085	11,605	22,690
		Jun-13	10,716	11,070	21,786
		Jul-13	10,135	10,416	20,550
		Aug-13	10,838	11,274	22,112
		Sep-13	10,694	10,851	21,546
		<b>Annual Average</b>	<b>10,595</b>	<b>10,952</b>	<b>21,547</b>

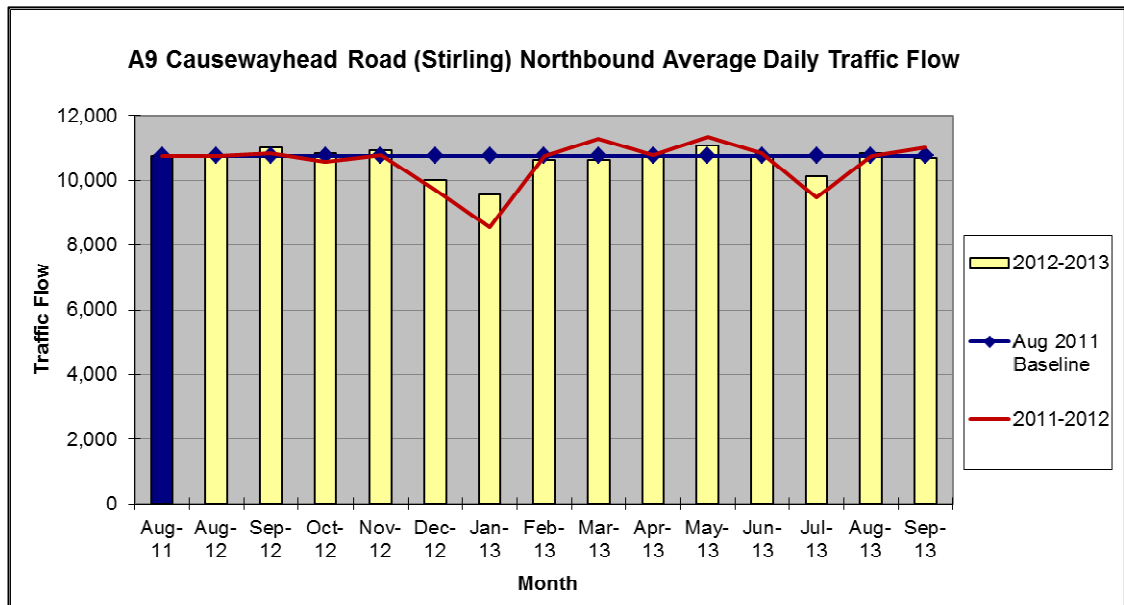


Figure 4-229 Monthly Northbound AADTs on the A9 Causewayhead Road (Stirling)

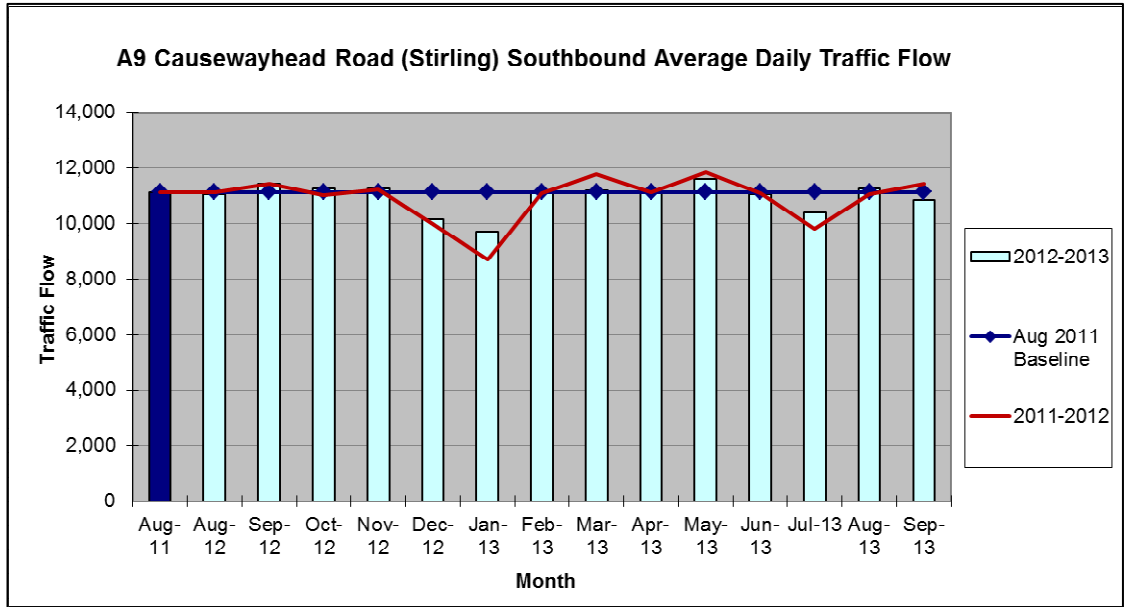


Figure 4-230 Monthly Southbound AADTs on the A9 Causewayhead Road (Stirling)

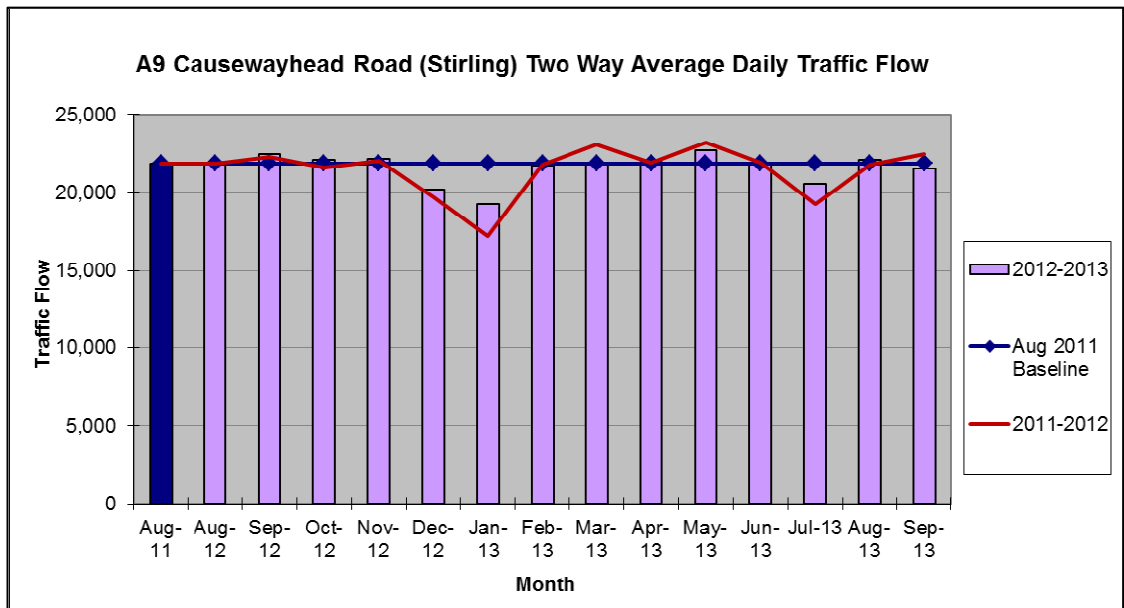


Figure 4-231 Monthly Two Way Daily Traffic Flows on the A9 Causewayhead Road (Stirling)

### 4.13.2 Monthly Average AM Peak Traffic Flows

Table 4-86 Site: JTC00607 AM Peak Traffic Flows – August 2012 to September 2013

Counter	Location	Date	NB	SB	Two Way
JTC00607	A9 Causewayhead Road (Stirling)	Aug-11	1,346	2,027	3,373
		Aug-12	1,655	2,216	3,871
		Sep-12	1,797	2,279	4,076
		Oct-12	1,748	2,240	3,988
		Nov-12	1,521	2,107	3,628
		Dec-12	1,173	1,735	2,909
		Jan-13	1,263	1,850	3,113
		Feb-13	1,428	2,038	3,466
		Mar-13	1,452	2,062	3,514
		Apr-13	1,448	1,998	3,446
		May-13	1,497	2,134	3,631
		Jun-13	1,406	2,042	3,448
		Jul-13	1,221	1,887	3,108
		Aug-13	1,352	2,033	3,385
		Sep-13	1,433	1,946	3,379
		<b>Annual Average</b>			<b>1,468</b>

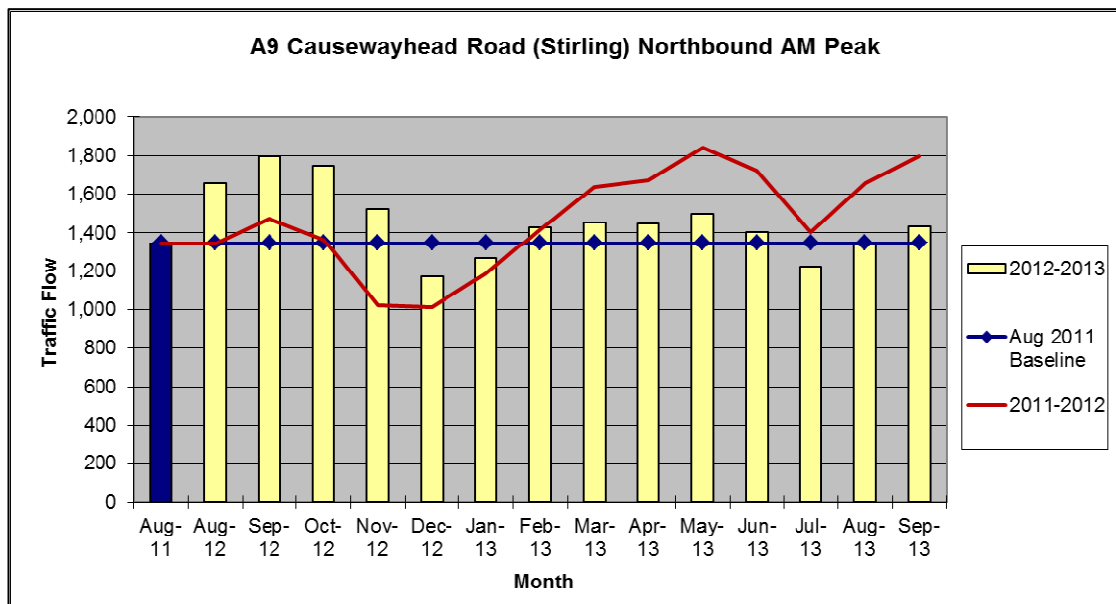


Figure 4-232 Monthly Northbound AM Peak Flows on the A9 Causewayhead Road (Stirling)

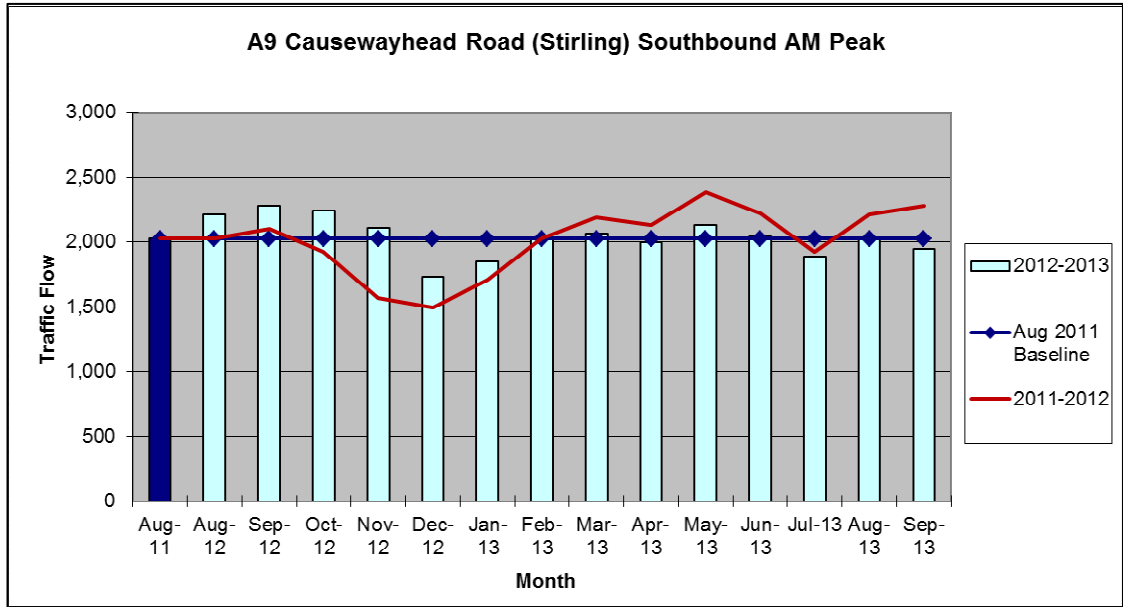


Figure 4-233 Monthly Southbound AM Peak Flows on the A9 Causewayhead Road (Stirling)

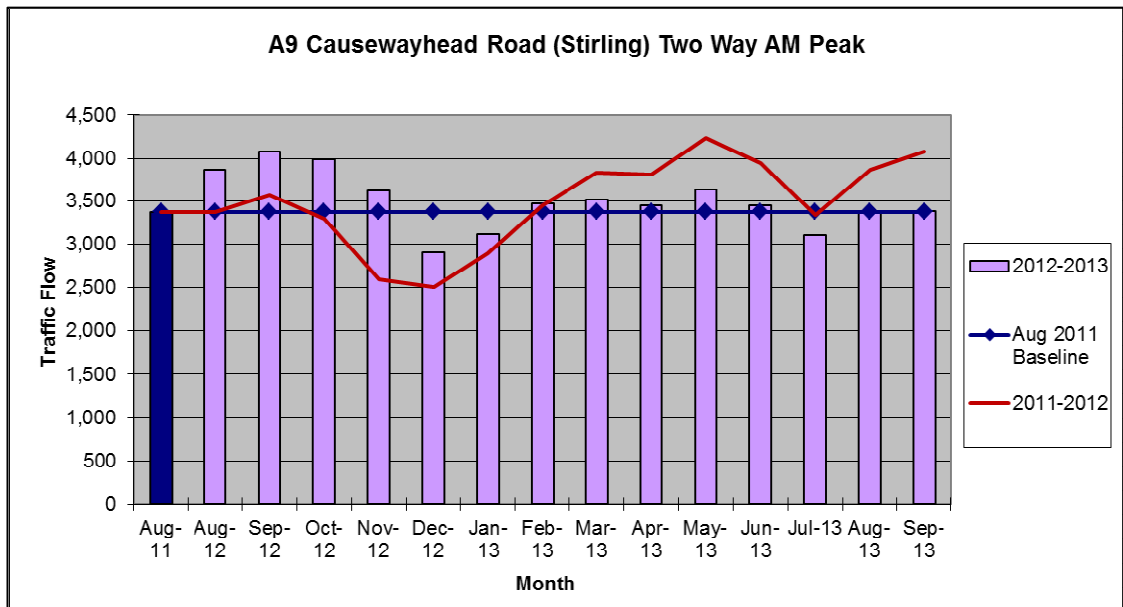


Figure 4-234 Monthly Two Way AM Peak Flows on the A9 Causewayhead Road (Stirling)

### 4.13.3 Monthly Average PM Peak Traffic Flows

Table 4-87 Site: JTC00607 PM Peak Traffic Flows – August 2012 to September 2013

Counter	Location	Date	NB	SB	Two Way
JTC00607	A9 Causewayhead Road (Stirling)	Aug-11	2,796	2,276	5,072
		Aug-12	2,456	2,044	4,500
		Sep-12	2,461	2,167	4,628
		Oct-12	2,473	2,158	4,631
		Nov-12	2,713	2,368	5,080
		Dec-12	2,444	1,965	4,409
		Jan-13	2,478	2,001	4,479
		Feb-13	2,665	2,342	5,007
		Mar-13	2,658	2,337	4,995
		Apr-13	2,706	2,315	5,022
		May-13	2,713	2,418	5,131
		Jun-13	2,696	2,294	4,990
		Jul-13	2,592	2,081	4,674
		Aug-13	2,776	2,324	5,101
		Sep-13	2,640	2,309	4,949
<b>Annual Average</b>			<b>2,588</b>	<b>2,207</b>	<b>4,796</b>

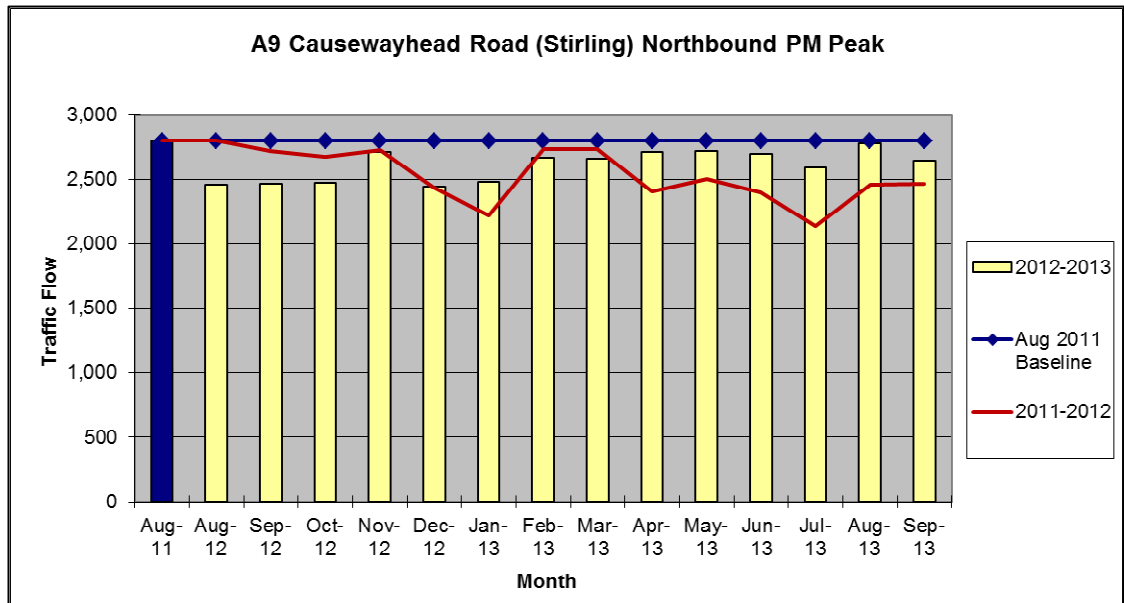


Figure 4-235 Monthly Northbound PM Peak Flows on the A9 Causewayhead Road (Stirling)

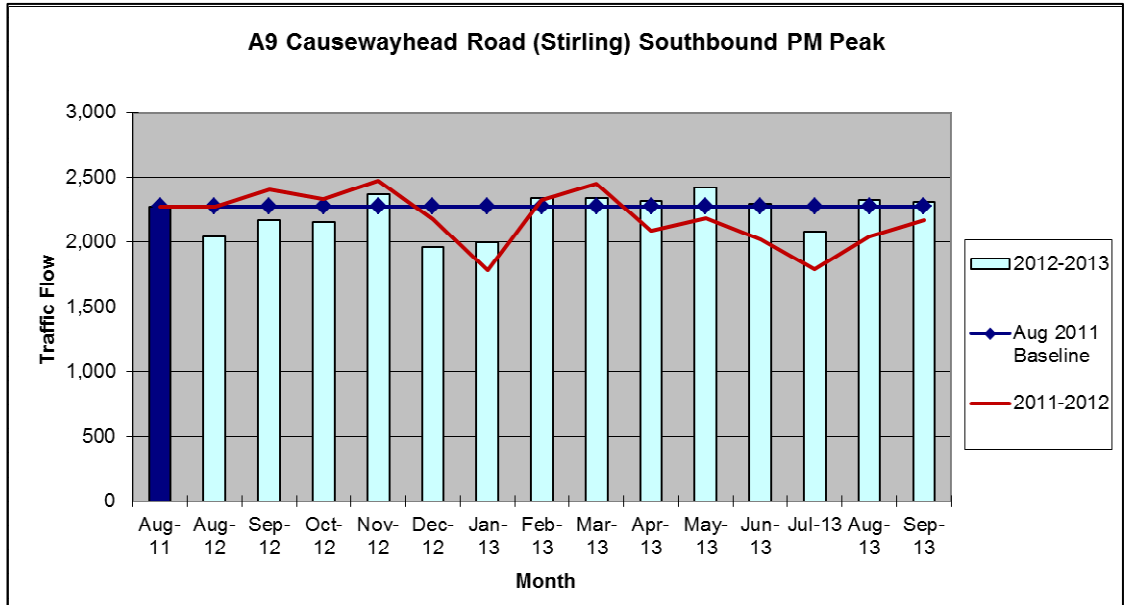


Figure 4-236 Monthly Southbound PM Peak Flows on the A9 Causewayhead Road (Stirling)

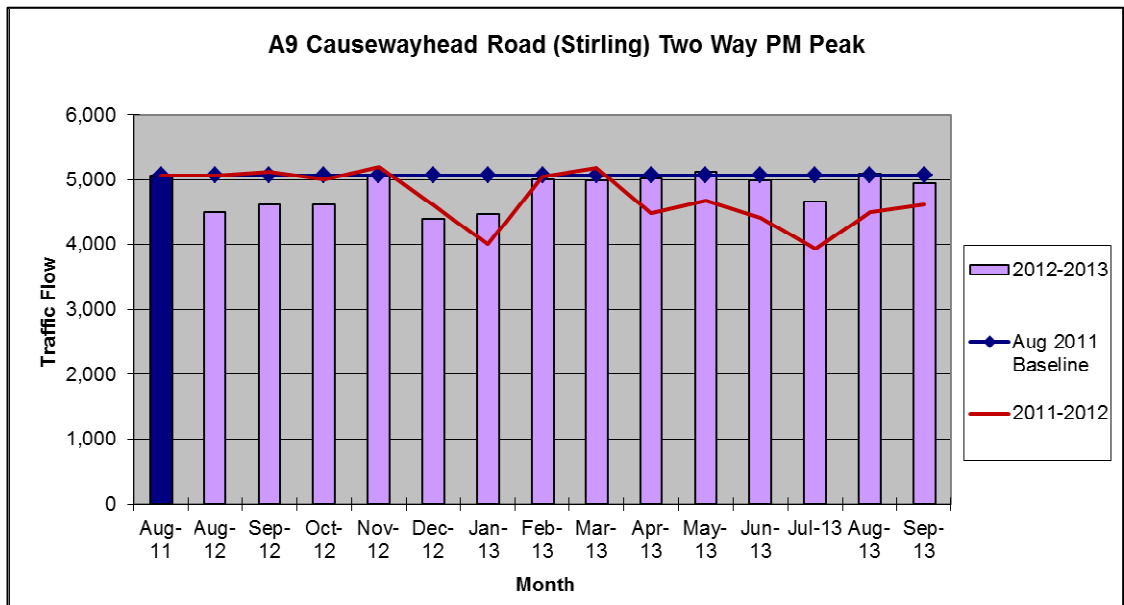


Figure 4-237 Monthly Two Way PM Peak Flows on the A9 Causewayhead Road (Stirling)

### 4.13.4 Monthly Average HGV Flows

Table 4-88 Site: JTC00607 Annual HGV Traffic Flows – August 2012 to September 2013

Counter	Location	Date	NB	SB	Two Way
JTC00607	A9 Causewayhead Road (Stirling)	Aug-11	226	262	488
		Aug-12	215	251	465
		Sep-12	212	288	500
		Oct-12	216	297	513
		Nov-12	204	290	493
		Dec-12	190	242	432
		Jan-13	182	222	403
		Feb-13	205	276	480
		Mar-13	200	280	480
		Apr-13	222	289	510
		May-13	237	319	555
		Jun-13	203	246	449
		Jul-13	207	243	450
		Aug-13	210	246	456
		Sep-13	186	266	452
<b>Annual Average</b>			<b>208</b>	<b>270</b>	<b>478</b>

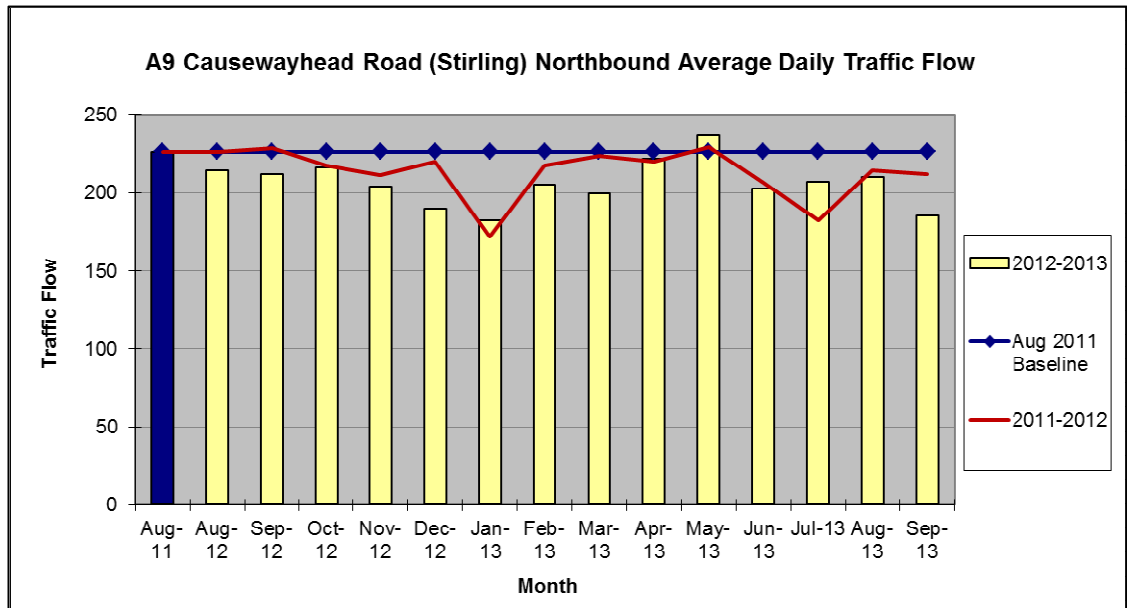


Figure 4-238 Monthly Eastbound HGV Flows on the A9 Causewayhead Road (Stirling)



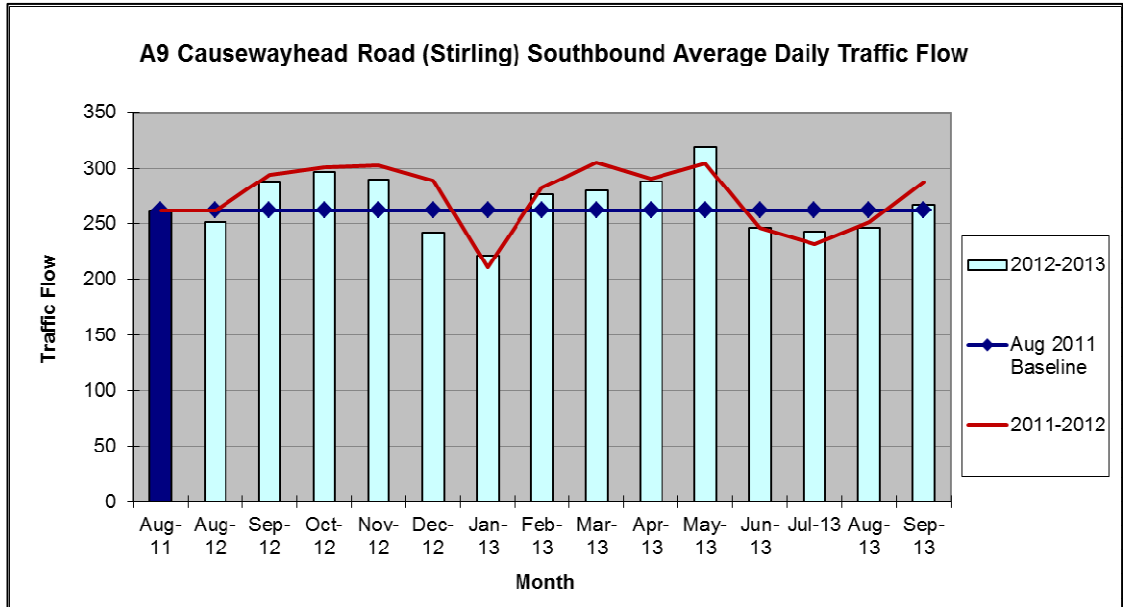


Figure 4-239 Monthly Westbound HGV Flows on the A9 Causewayhead Road (Stirling)

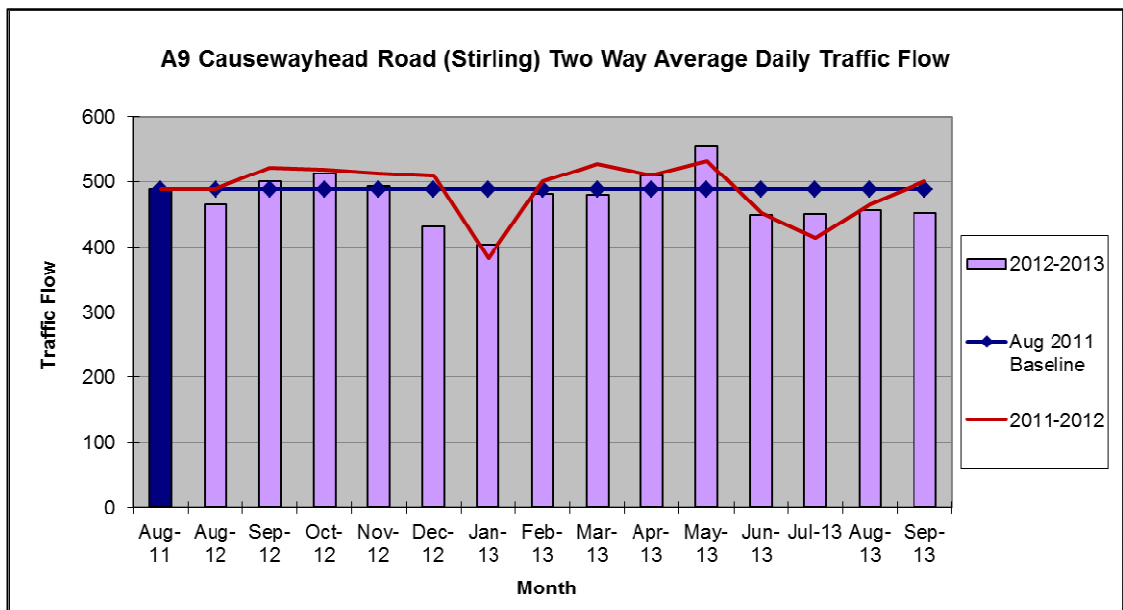


Figure 4-240 Monthly Two Way HGV Flows on the A9 Causewayhead Road (Stirling)

4.13.5 Monthly Average AM Peak HGV Flows

Table 4-89 Site: JTC00607 AM Peak HGV Traffic Flows – August 2012 to September 2013

Counter	Location	Date	EB	WB	Two Way
JTC00607	A9 Causewayhead Road (Stirling)	Aug-11	44	48	92
		Aug-12	47	56	103
		Sep-12	46	64	110
		Oct-12	47	67	114
		Nov-12	38	51	89
		Dec-12	36	43	79
		Jan-13	36	43	79
		Feb-13	38	50	87
		Mar-13	38	51	89
		Apr-13	42	53	95
		May-13	43	57	100
		Jun-13	37	45	82
		Jul-13	40	46	86
		Aug-13	40	46	86
		Sep-13	34	47	82
<b>Annual Average</b>			<b>41</b>	<b>52</b>	<b>93</b>

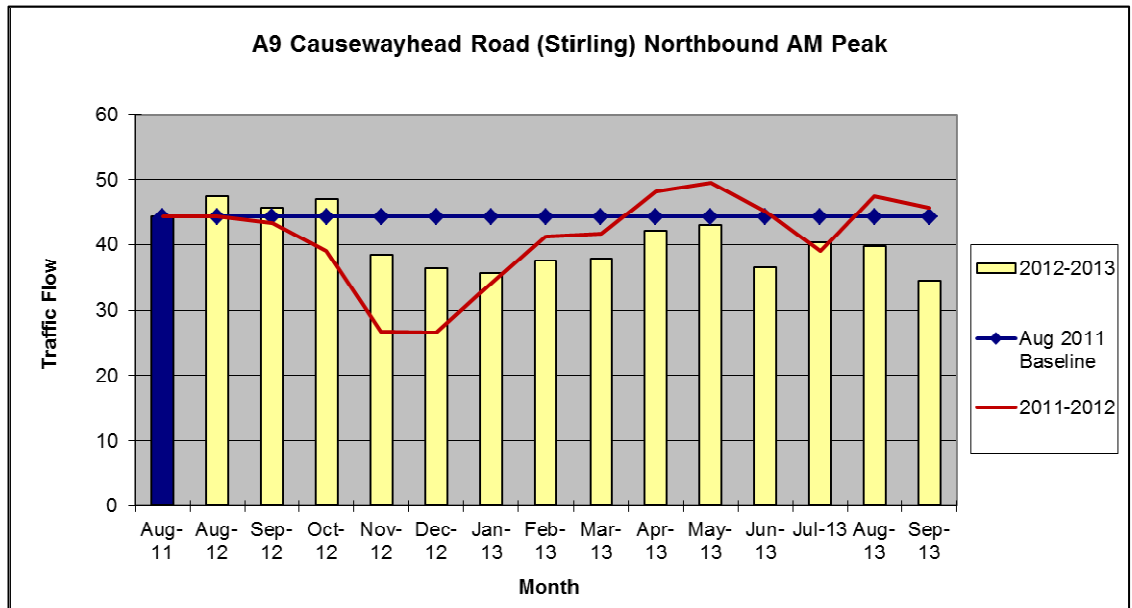


Figure 4-241 Monthly Eastbound AM Peak HGV Flows on the A9 Causewayhead Road (Stirling)

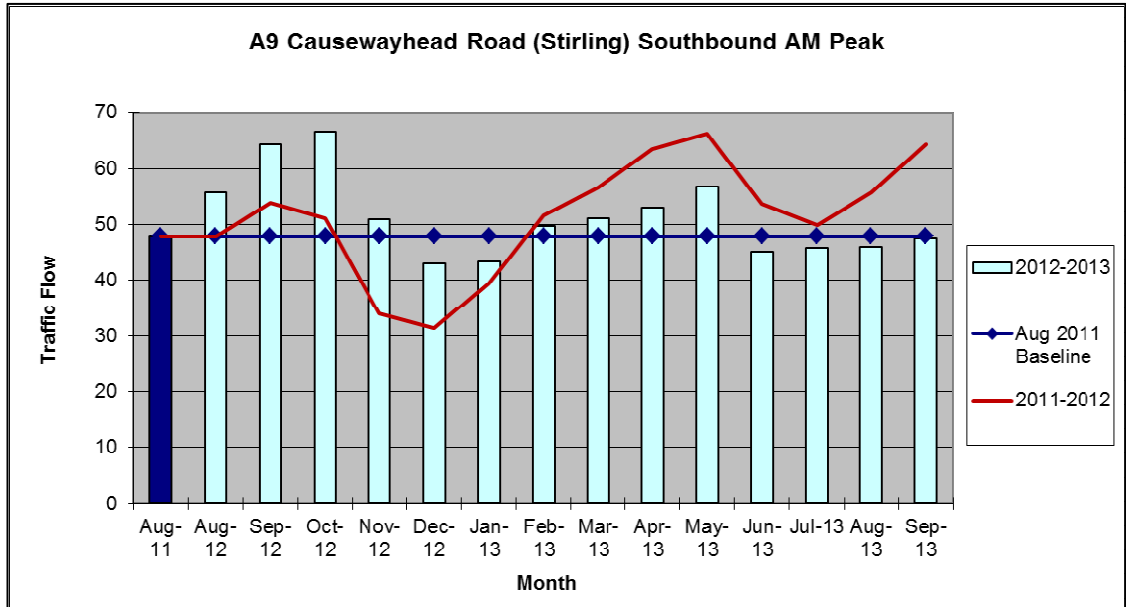


Figure 4-242 Monthly Westbound AM Peak HGV Flows on the A9 Causewayhead Road (Stirling)

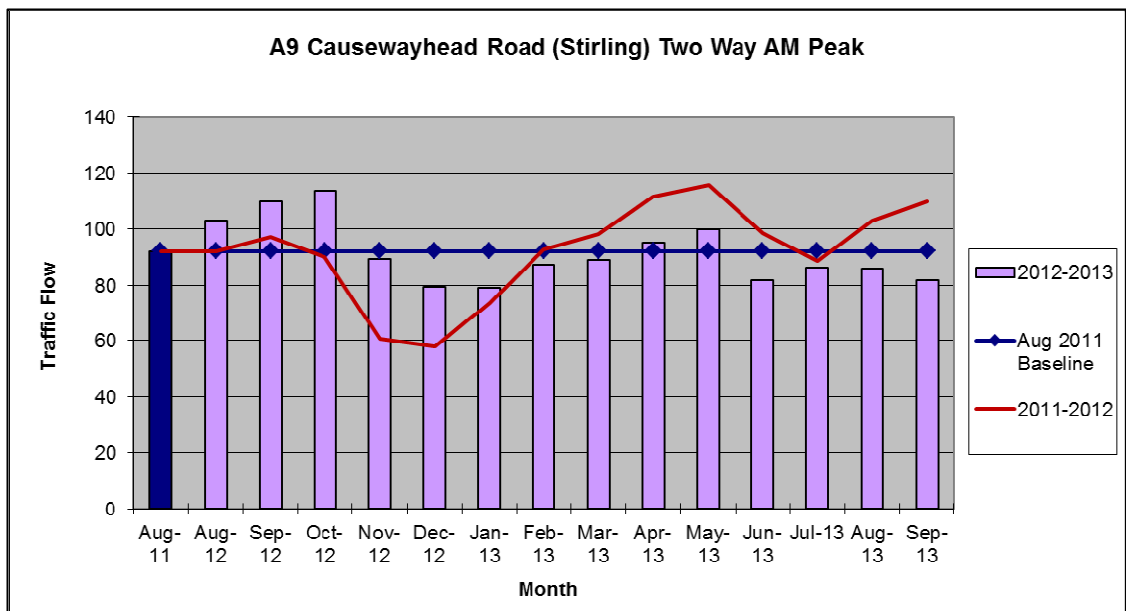


Figure 4-243 Monthly Two Way AM Peak HGV Flows on the A9 Causewayhead Road (Stirling)

4.13.6 Monthly Average PM Peak HGV Flows

Table 4-90 Site: JTC00607 PM Peak HGV Traffic Flows – August 2012 to September 2013

Counter	Location	Date	EB	WB	Two Way
JTC00607	A9 Causewayhead Road (Stirling)	Aug-11	45	55	101
		Aug-12	38	42	80
		Sep-12	36	47	83
		Oct-12	37	49	86
		Nov-12	44	61	105
		Dec-12	40	51	91
		Jan-13	38	46	85
		Feb-13	43	58	101
		Mar-13	43	60	103
		Apr-13	46	58	104
		May-13	51	67	118
		Jun-13	45	52	97
		Jul-13	45	50	95
		Aug-13	46	51	98
		Sep-13	40	57	98
<b>Annual Average</b>			<b>42</b>	<b>53</b>	<b>96</b>

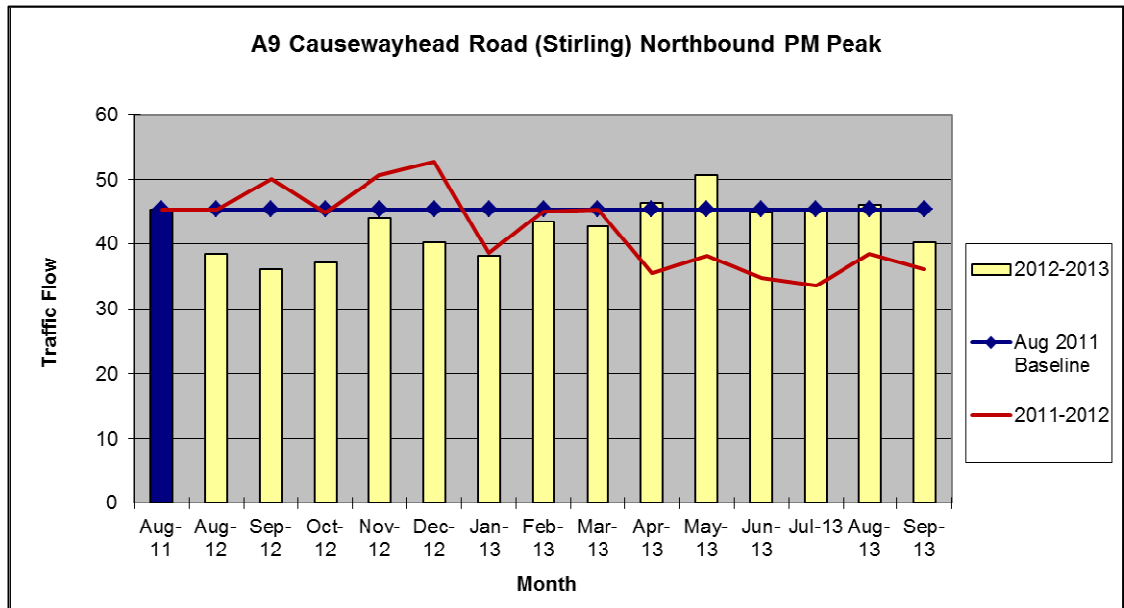


Figure 4-244 Monthly Eastbound PM HGV Peak Flows on the A9 Causewayhead Road (Stirling)

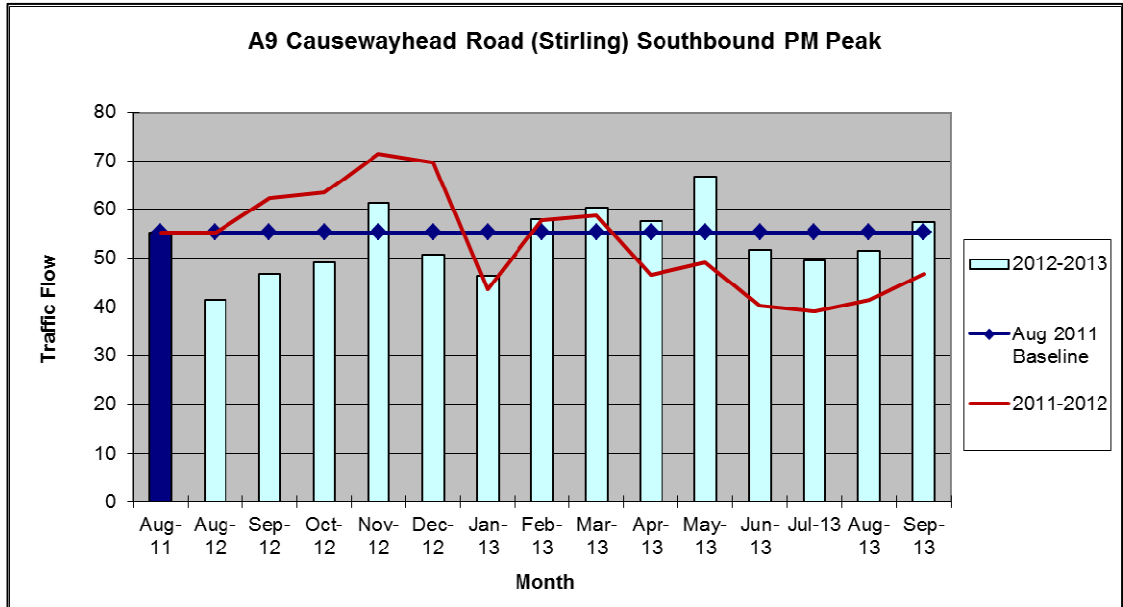


Figure 4-245 Monthly Westbound PM Peak HGV Flows on the A9 Causewayhead Road (Stirling)

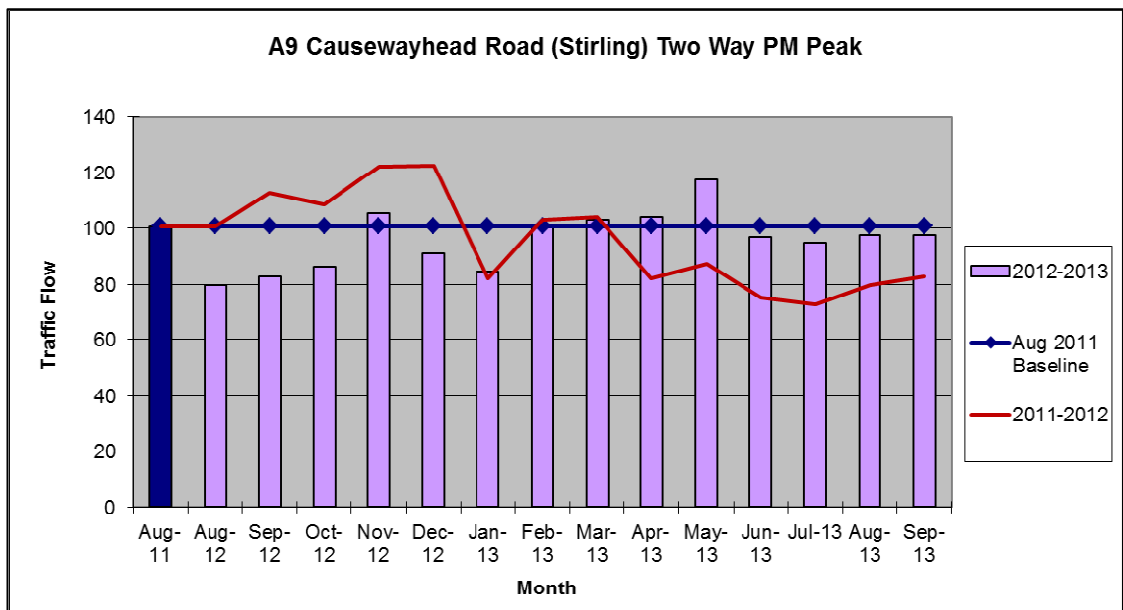
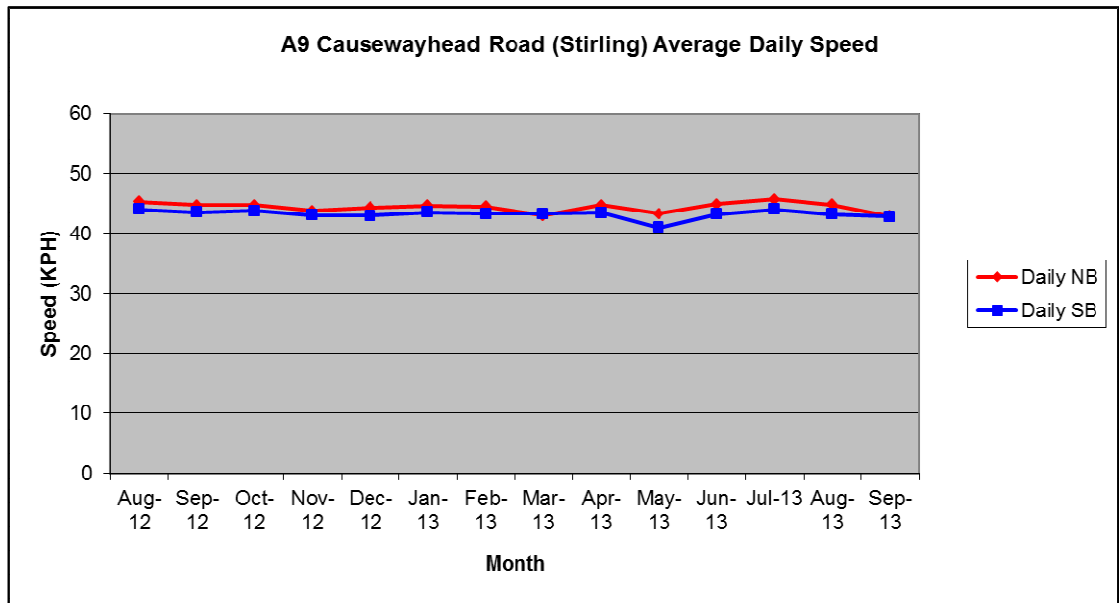


Figure 4-246 Monthly Two Way PM Peak HGV Flows on the A9 Causewayhead Road (Stirling)

### 4.13.7 Monthly Average All Vehicles Traffic Speeds

**Table 4-91 Site: JTC00607 Average Monthly Traffic Speeds (KPH) (All Vehicles) – August 2012 to September 2013**

Counter	Location	Date	NB	SB
JTC00607	A9 Causewayhead Road (Stirling)	Aug-12	45	44
		Sep-12	45	44
		Oct-12	45	44
		Nov-12	44	43
		Dec-12	44	43
		Jan-13	45	44
		Feb-13	45	43
		Mar-13	43	43
		Apr-13	45	44
		May-13	43	41
		Jun-13	45	43
		Jul-13	46	44
		Aug-13	45	43
Sep-13	43	43		



**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 2012 to September 2013

Counter	Location	Date	EB	WB	Two Way
JTC00608	A904 Old Philpstoun	Aug-11	2,426	2,444	4,870
		Aug-12	2,495	2,476	4,971
		Sep-12	2,401	2,392	4,793
		Oct-12	2,321	2,287	4,608
		Nov-12	2,438	2,329	4,768
		Dec-12	2,035	2,011	4,046
		Jan-13	2,007	1,924	3,931
		Feb-13	2,088	2,071	4,159
		Mar-13	2,007	2,024	4,031
		Apr-13	2,213	2,263	4,476
		May-13	2,332	2,388	4,719
		Jun-13	2,288	2,345	4,632
		Jul-13	2,191	2,237	4,427
		Aug-13	2,204	2,274	4,478
		Sep-13	2,058	2,099	4,157
		<b>Annual Average</b>			<b>2,235</b>

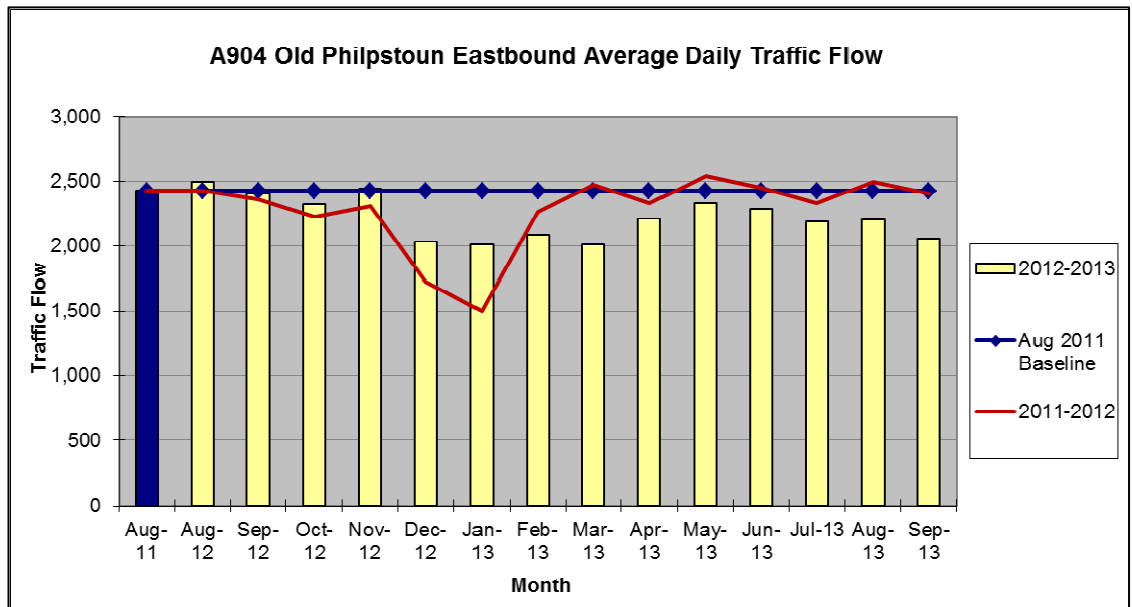


Figure 4-248 Monthly Eastbound AADTs on the A904 Old Philpstoun

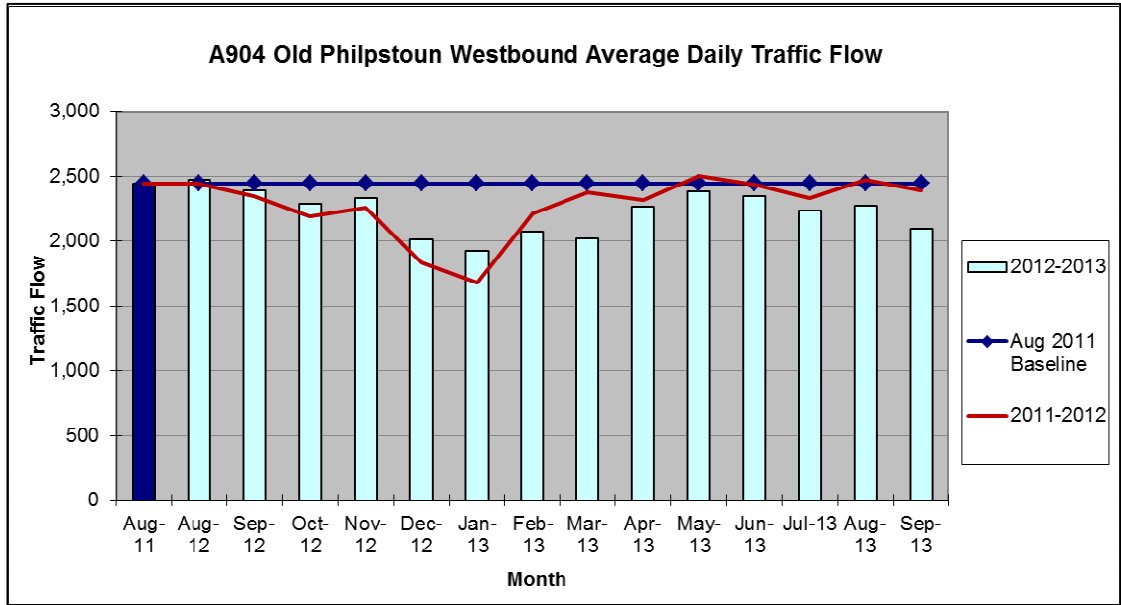


Figure 4-249 Monthly Westbound AADTs on the A904 Old Philpstoun

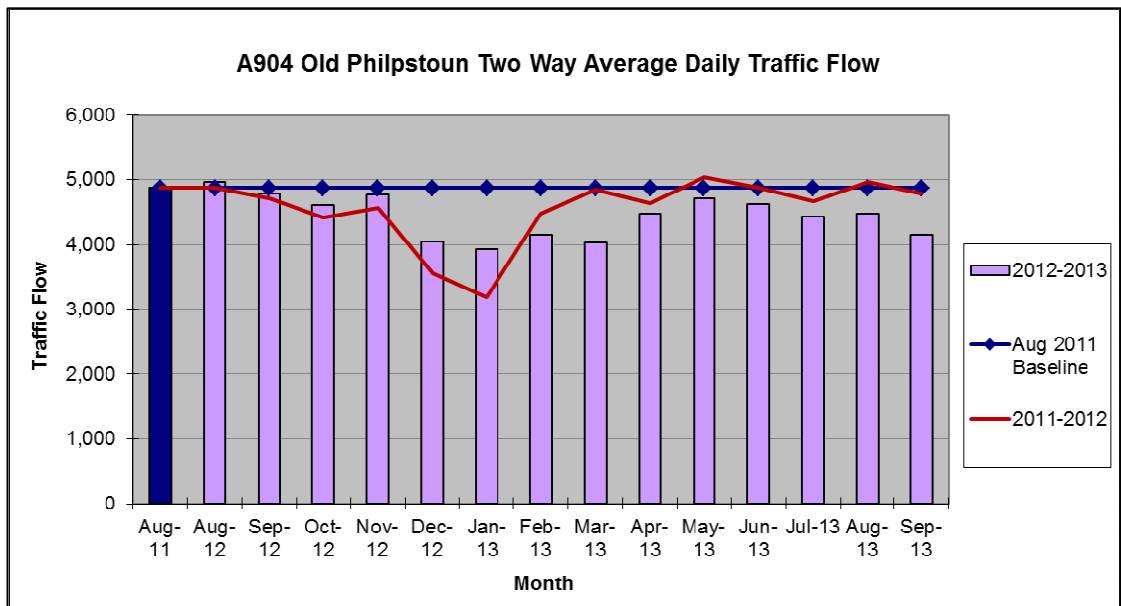


Figure 4-250 Monthly Two Way Daily Traffic Flows on the A904 Old Philpstoun



### 4.14.2 Monthly Average AM Peak Traffic Flows

Table 4-93 Site: JTC00608 AM Peak Traffic Flows – August 2012 to September 2013

Counter	Location	Date	EB	WB	Two Way
JTC00608	A904 Old Philpstoun	Aug-11	571	283	854
		Aug-12	574	293	867
		Sep-12	560	298	859
		Oct-12	579	289	868
		Nov-12	621	255	876
		Dec-12	464	199	663
		Jan-13	555	243	799
		Feb-13	534	269	803
		Mar-13	487	264	752
		Apr-13	502	273	775
		May-13	529	300	830
		Jun-13	498	282	780
		Jul-13	441	246	688
		Aug-13	466	265	731
		Sep-13	470	265	736
<b>Annual Average</b>			<b>529</b>	<b>268</b>	<b>797</b>

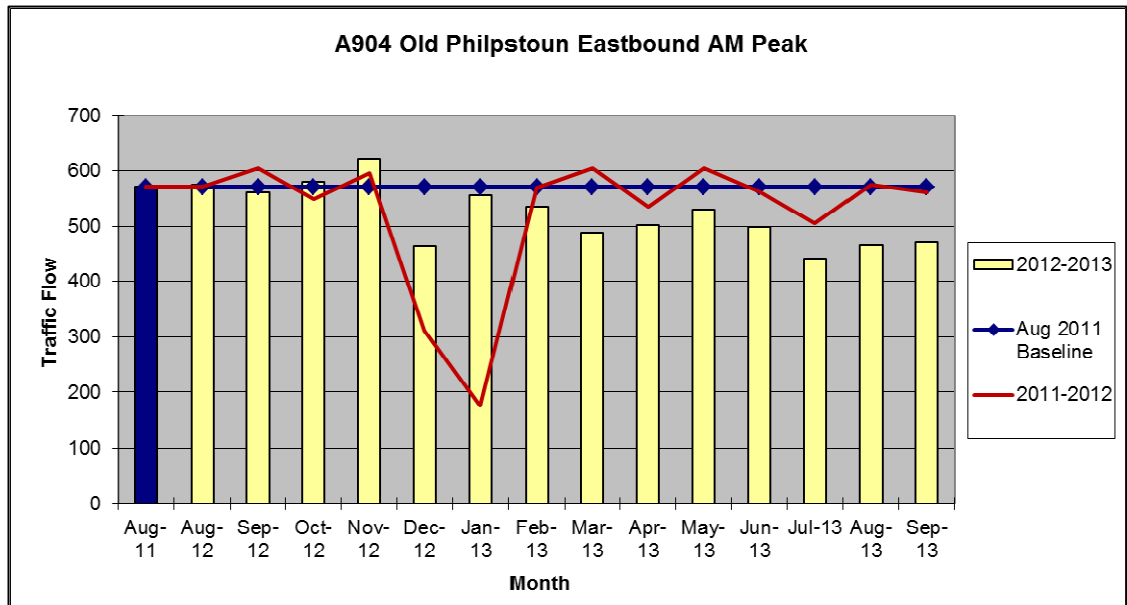


Figure 4-251 Monthly Eastbound AM Peak Flows on the A904 Old Philpstoun

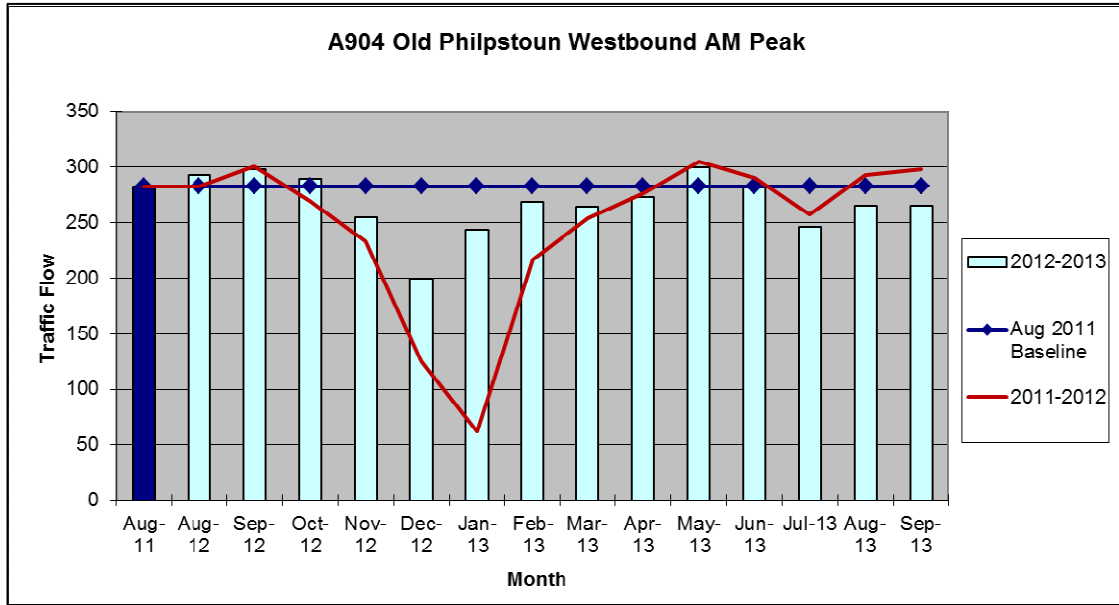


Figure 4-252 Monthly Westbound AM Peak Flows on the A904 Old Philpstoun

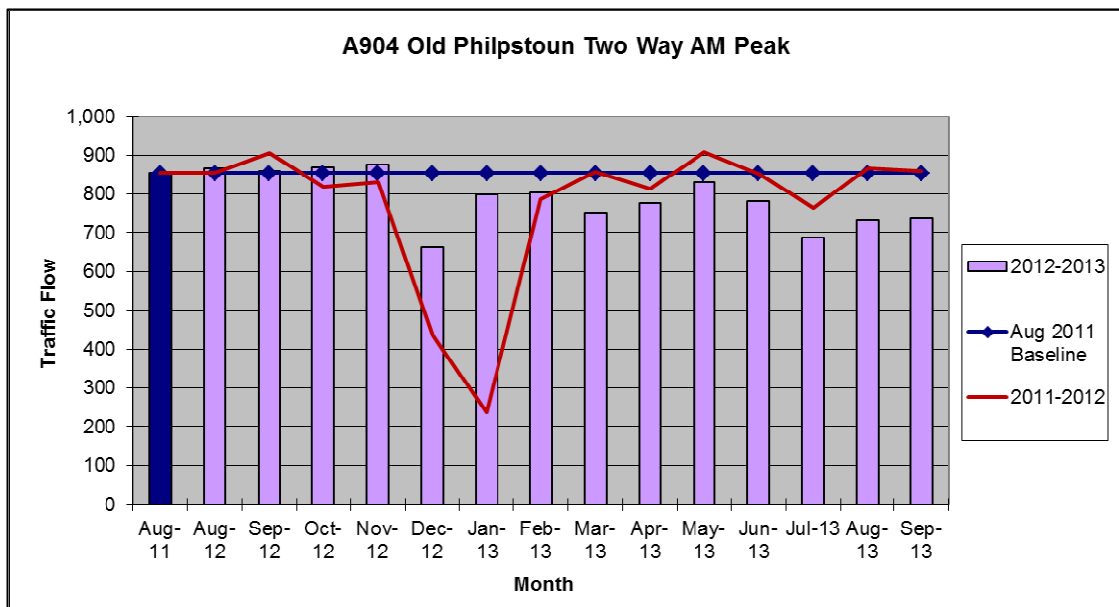


Figure 4-253 Monthly Two Way AM Peak Flows on the A904 Old Philpstoun

### 4.14.3 Monthly Average PM Peak Traffic Flows

Table 4-94 Site: JTC00608 PM Peak Traffic Flows – August 2012 to September 2013

Counter	Location	Date	EB	WB	Two Way
JTC00608	A904 Old Philpstoun	Aug-11	505	669	1,174
		Aug-12	506	668	1,174
		Sep-12	512	654	1,166
		Oct-12	487	630	1,118
		Nov-12	577	656	1,233
		Dec-12	408	519	926
		Jan-13	381	523	904
		Feb-13	430	551	981
		Mar-13	412	534	946
		Apr-13	474	608	1,082
		May-13	506	638	1,144
		Jun-13	498	614	1,112
		Jul-13	471	591	1,062
		Aug-13	491	597	1,088
		Sep-13	457	568	1,025
<b>Annual Average</b>			<b>472</b>	<b>599</b>	<b>1,071</b>

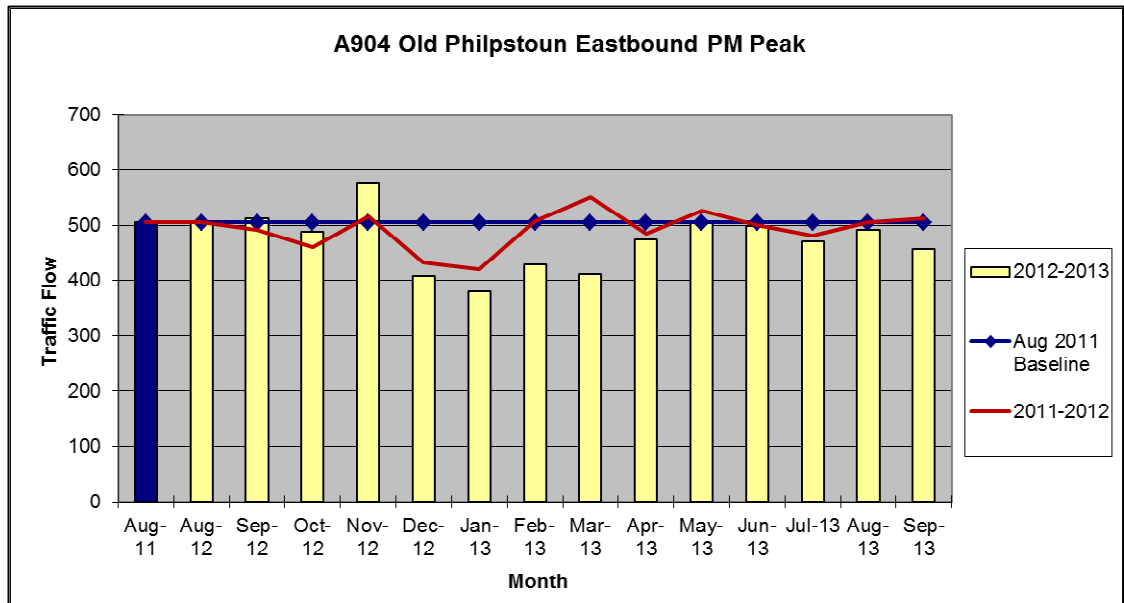


Figure 4-254 Monthly Eastbound PM Peak Flows on the A904 Old Philpstoun

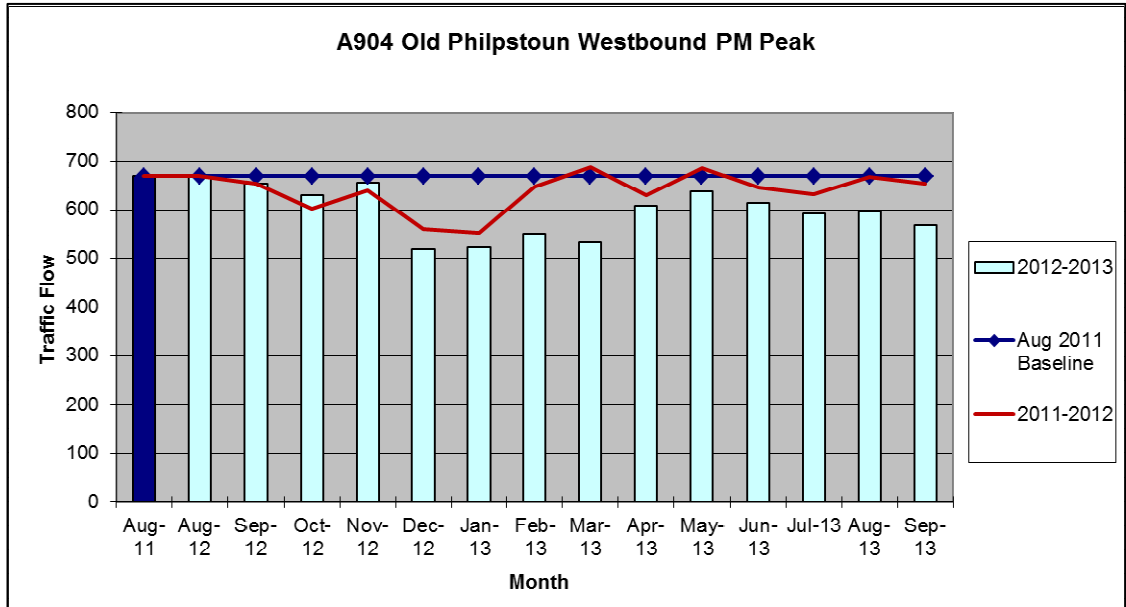


Figure 4-255 Monthly Westbound PM Peak Flows on the A904 Old Philpstoun

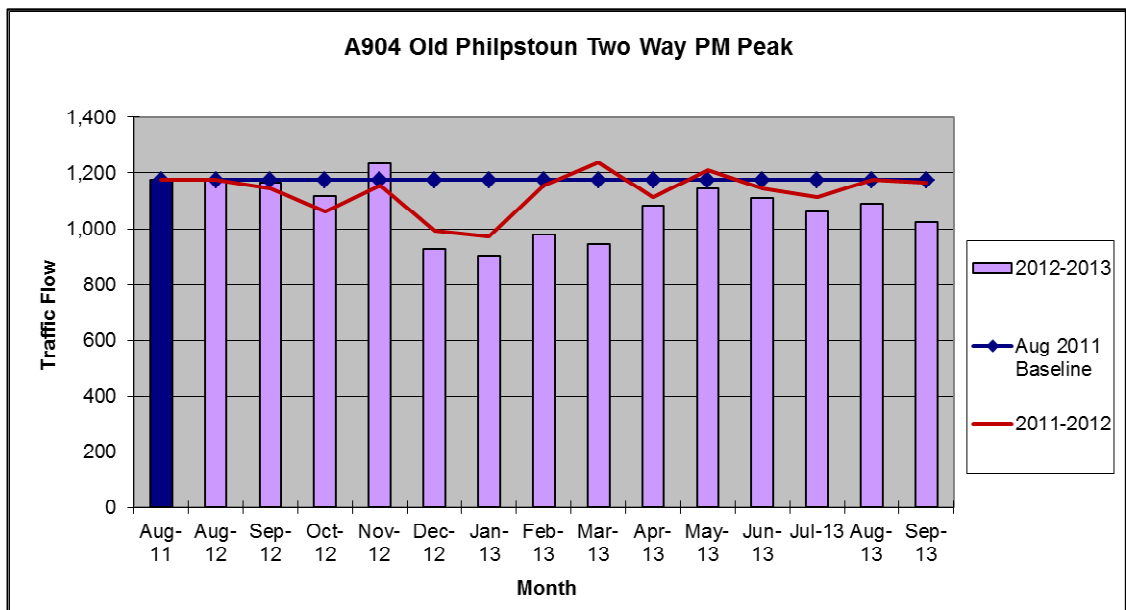


Figure 4-256 Monthly Two Way PM Peak Flows on the A904 Old Philpstoun

#### 4.14.4 Monthly Average HGV Flows

Table 4-95 Site: JTC00608 Annual HGV Traffic Flows – August 2012 to September 2013

Counter	Location	Date	EB	WB	Two Way
JTC00608	A904 Old Philpstoun	Aug-11	29	30	58
		Aug-12	28	30	58
		Sep-12	28	30	58
		Oct-12	32	31	63
		Nov-12	32	33	65
		Dec-12	22	24	46
		Jan-13	27	26	53
		Feb-13	18	19	37
		Mar-13	17	20	38
		Apr-13	18	23	42
		May-13	19	21	40
		Jun-13	17	19	37
		Jul-13	18	20	38
		Aug-13	17	19	36
		Sep-13	15	18	32
<b>Annual Average</b>			<b>23</b>	<b>25</b>	<b>48</b>

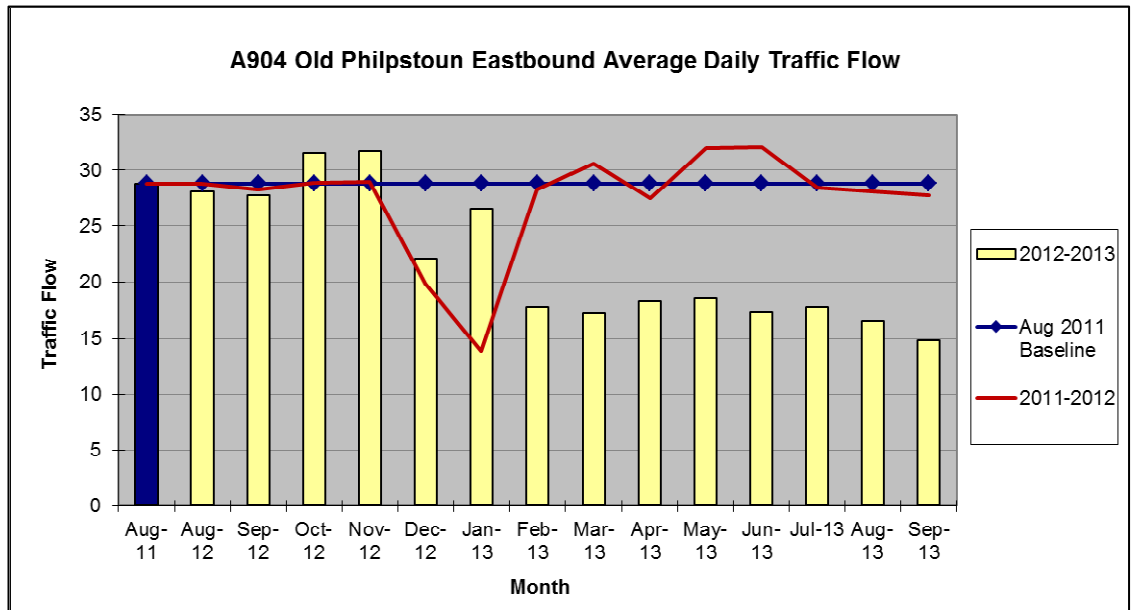


Figure 4-257 Monthly Eastbound HGV Flows on the A904 Old Philpstoun



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

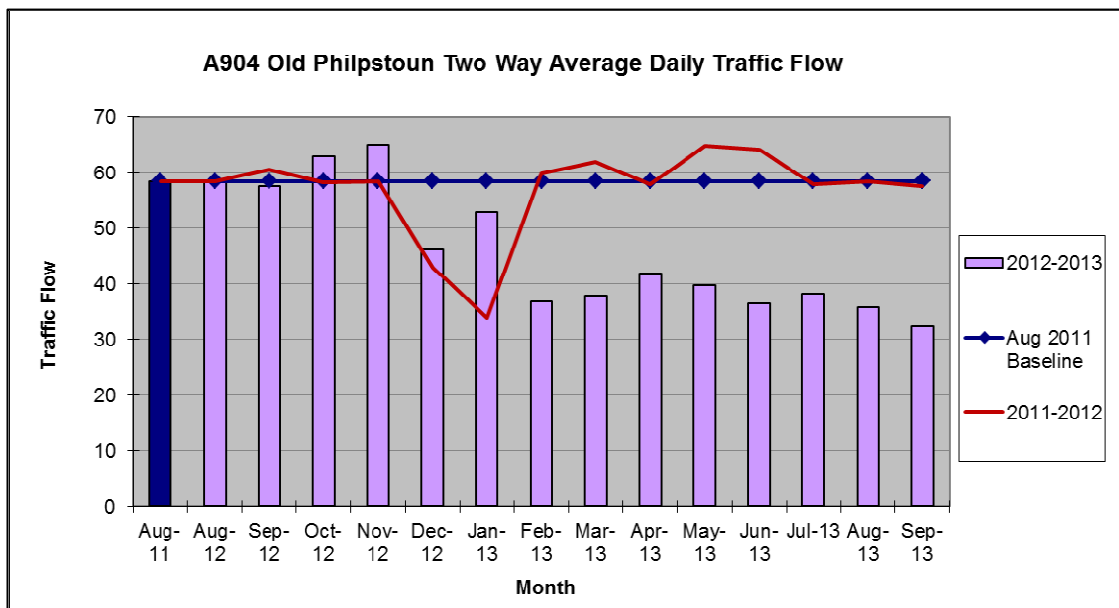


Figure 4-259 Monthly Two Way HGV Flows on the A904 Old Philpstoun

### 4.14.5 Monthly Average AM Peak HGV Flows

Table 4-96 Site: JTC00608 AM Peak HGV Traffic Flows – August 2012 to September 2013

Counter	Location	Date	EB	WB	Two Way
JTC00608	A904 Old Philpstoun	Aug-11	8	4	12
		Aug-12	6	4	11
		Sep-12	7	4	11
		Oct-12	8	5	12
		Nov-12	13	4	17
		Dec-12	8	3	12
		Jan-13	7	5	11
		Feb-13	4	4	8
		Mar-13	4	4	8
		Apr-13	4	6	10
		May-13	5	4	9
		Jun-13	4	4	8
		Jul-13	5	5	9
		Aug-13	3	4	7
		Sep-13	4	4	7
<b>Annual Average</b>			<b>6</b>	<b>4</b>	<b>11</b>

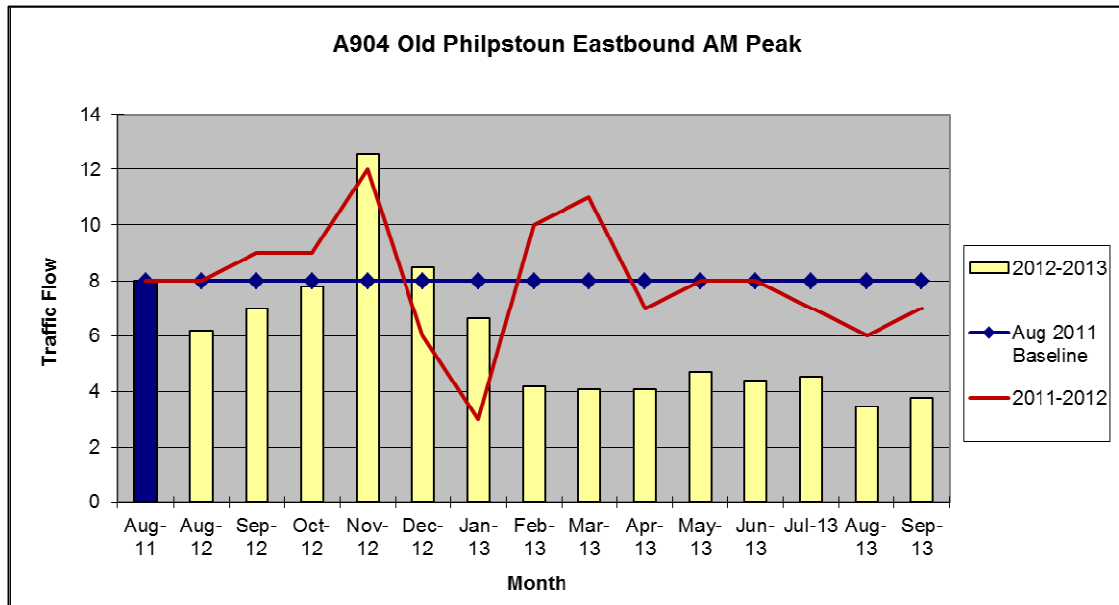


Figure 4-260 Monthly Eastbound AM Peak HGV Flows on the A904 Old Philpstoun

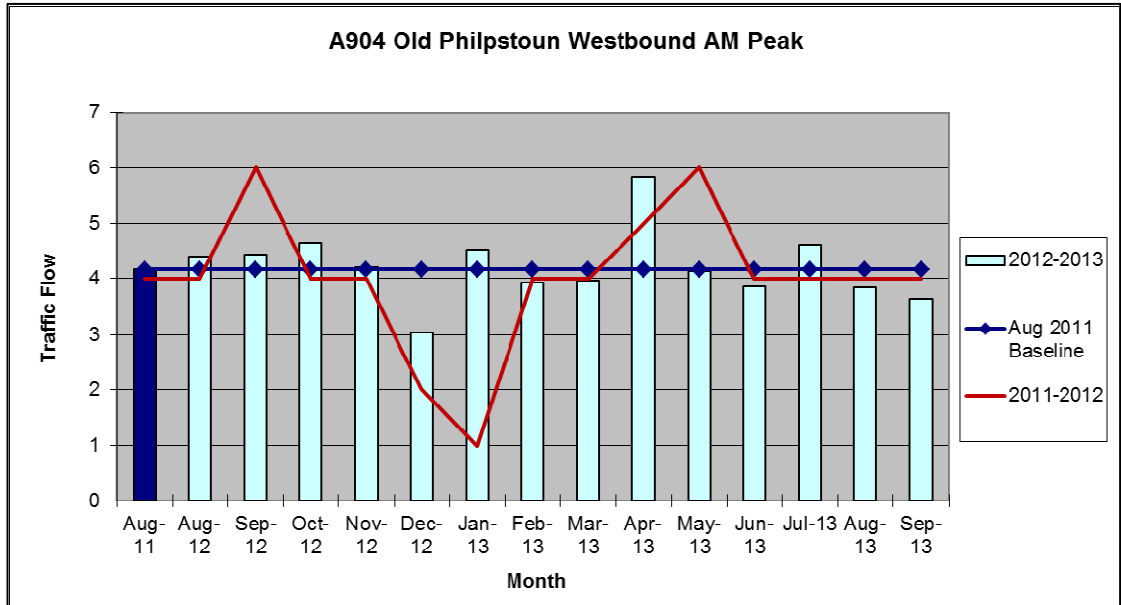


Figure 4-261 Monthly Westbound AM Peak HGV Flows on the A904 Old Philpstoun

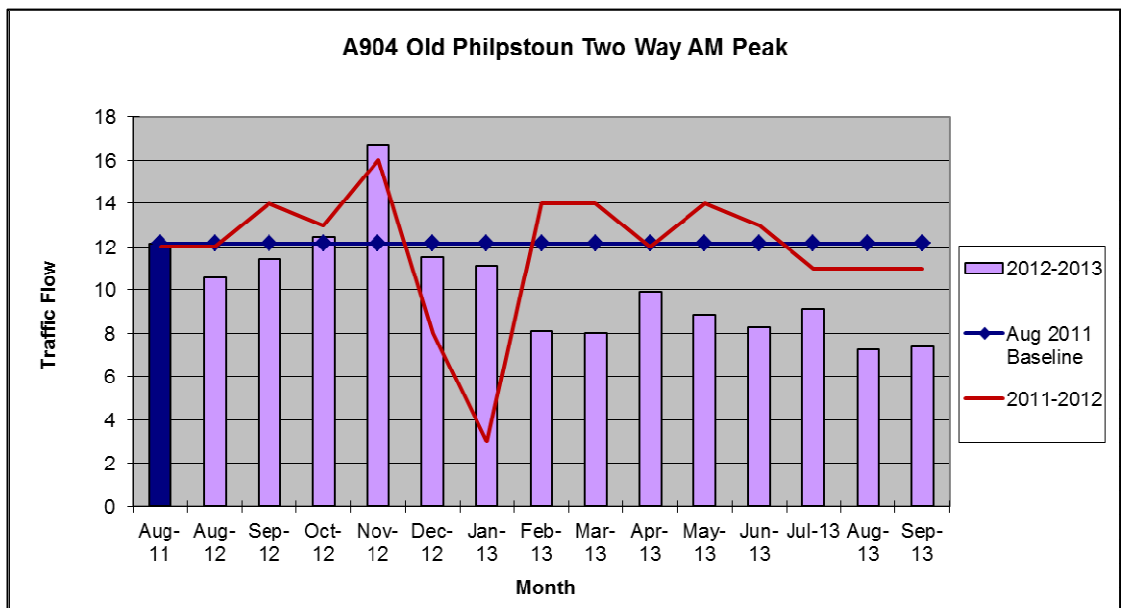


Figure 4-262 Monthly Two Way AM Peak HGV Flows on the A904 Old Philpstoun



4.14.6 Monthly Average PM Peak HGV Flows

Table 4-97 Site: JTC00608 PM Peak HGV Traffic Flows – August 2012 to September 2013

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

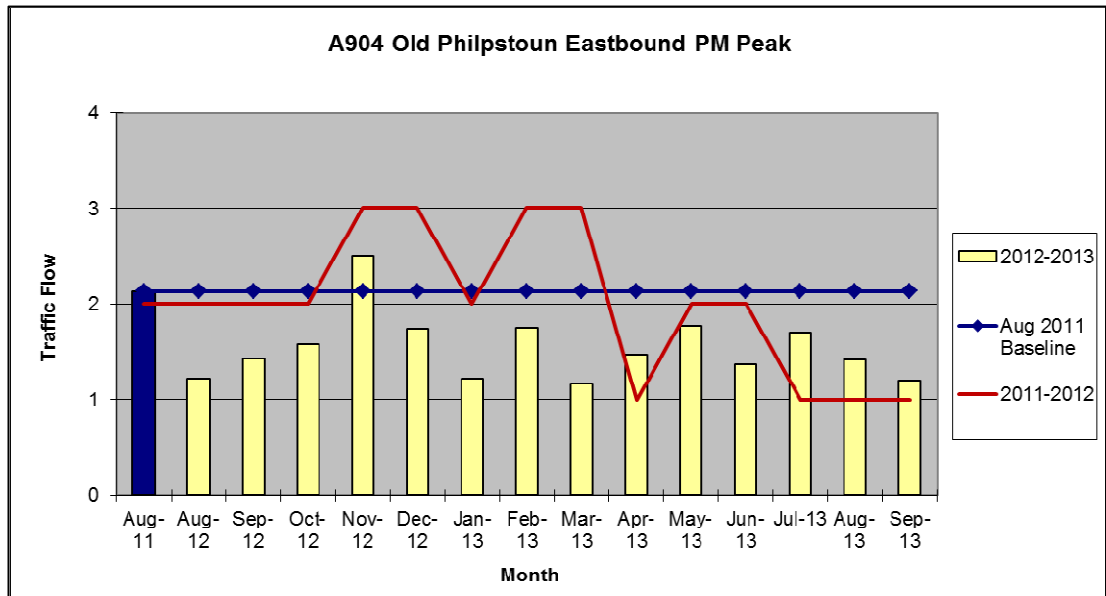


Figure 4-263 Monthly Eastbound PM HGV Peak Flows on the A904 Old Philpstoun

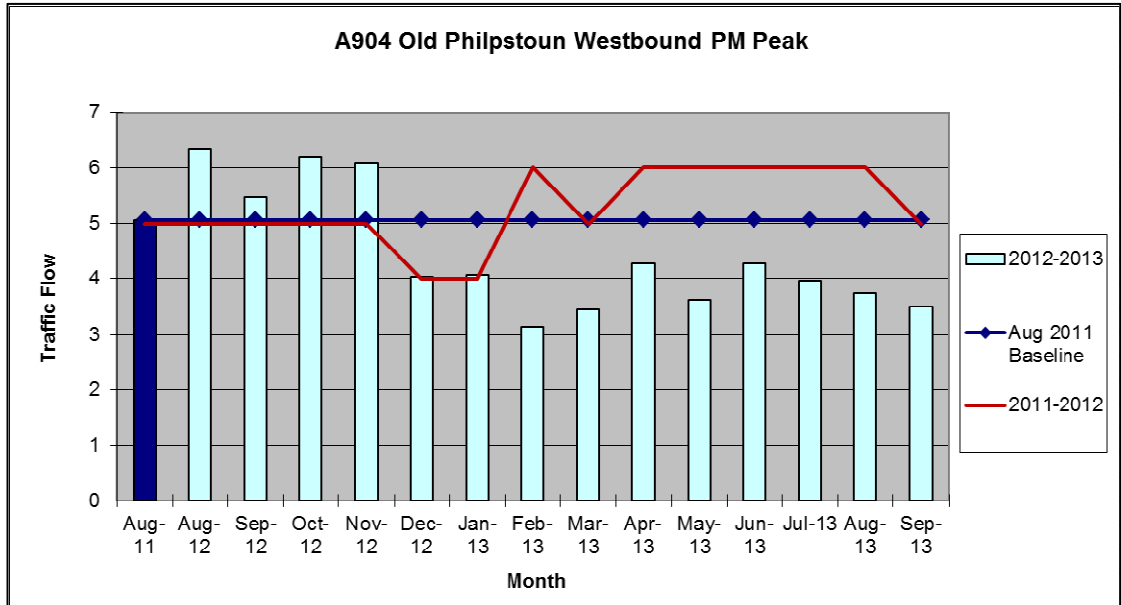


Figure 4-264 Monthly Westbound PM Peak HGV Flows on the A904 Old Philpstoun

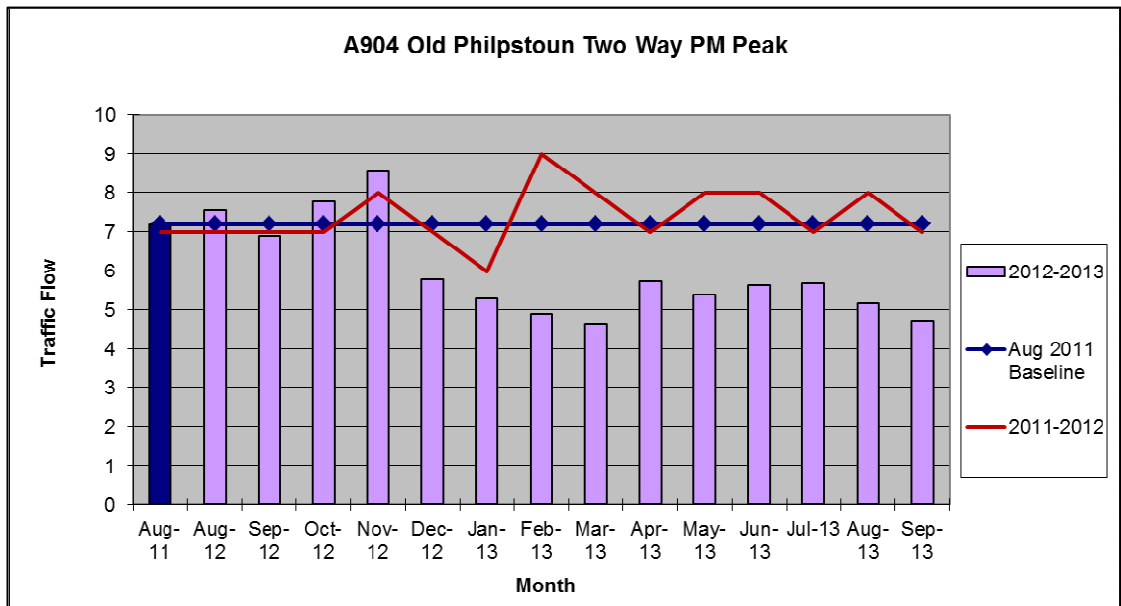


Figure 4-265 Monthly Two Way PM Peak HGV Flows on the A904 Old Philpstoun

4.14.7 Monthly Average All Vehicles Traffic Speeds

Table 4-98 Site: JTC00608 Average Monthly Traffic Speeds (KPH) (All Vehicles) – August 2012 to September 2013

Counter	Location	Date	EB	WB
JTC00608	A904 Old Philpstoun	Aug-12	75	77
		Sep-12	76	78
		Oct-12	75	77
		Nov-12	73	77
		Dec-12	73	76
		Jan-13	75	77
		Feb-13	75	78
		Mar-13	74	76
		Apr-13	77	78
		May-13	76	79
		Jun-13	76	78
		Jul-13	76	78
		Aug-13	76	78
Sep-13	77	79		

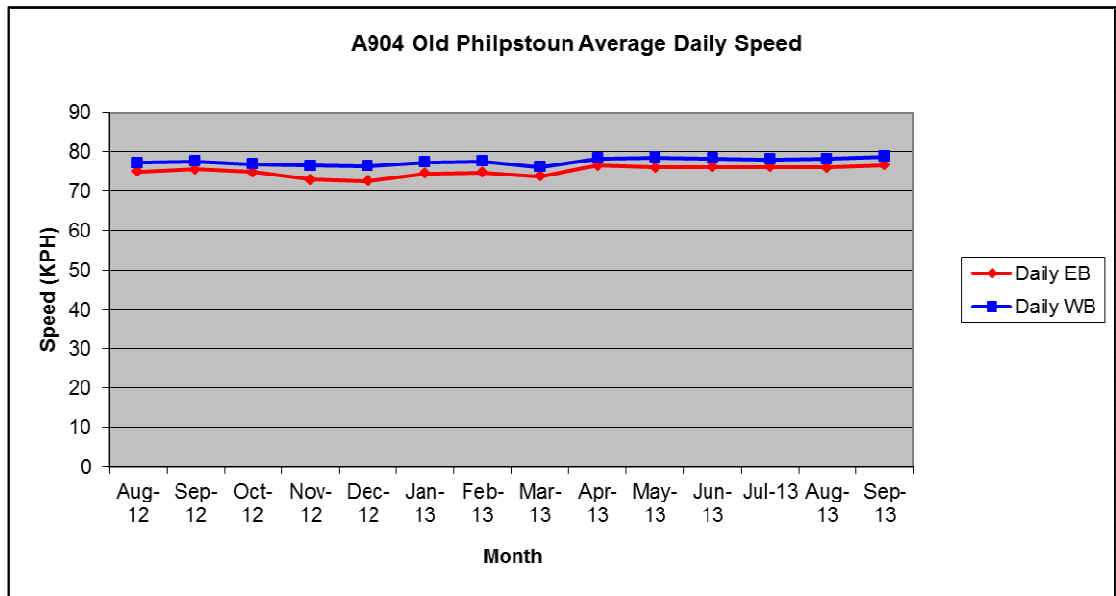


Figure 4-266 Average Monthly Traffic Speeds (KPH) on the A904 Old Philpstoun

## 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 2012 to September 2013

Counter	Location	Date	NB
JTC08347	A90 Echline Junction Northbound (Main Carriageway)	Aug-11	27,732
		Aug-12	26,647
		Sep-12	24,975
		Oct-12	25,025
		Nov-12	23,786
		Dec-12	22,000
		Jan-13	21,556
		Feb-13	24,883
		Mar-13	24,824
		Apr-13	26,560
		May-13	27,267
		Jun-13	27,429
		Jul-13	28,232
		Aug-13	29,382
Sep-13	28,142		
		<b>Annual Average</b>	<b>25,215</b>

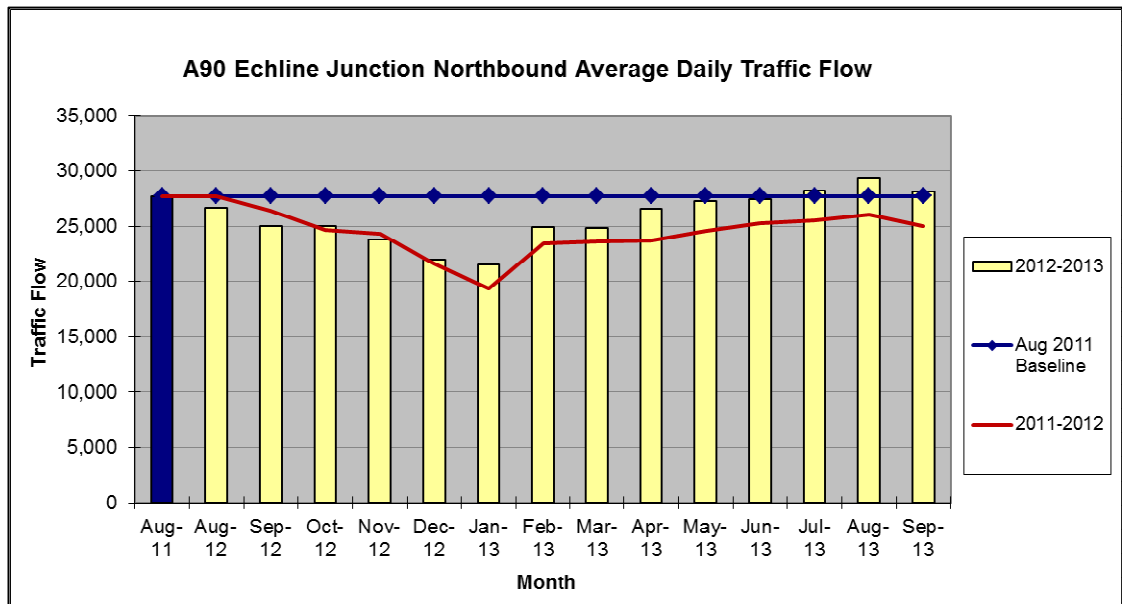


Figure 4-267 Monthly AADTs on the A90 Echline Junction Northbound (Main Carriageway)

### 4.15.2 Monthly Average AM Peak Traffic Flows

Table 4-100 Site: JTC08347 AM Peak Traffic Flows – August 2012 to September 2013

Counter	Location	Date	NB
JTC08347	A90 Echline Junction Northbound (Main Carriageway)	Aug-11	4,474
		Aug-12	4,350
		Sep-12	4,119
		Oct-12	4,270
		Nov-12	4,187
		Dec-12	3,211
		Jan-13	3,681
		Feb-13	4,363
		Mar-13	4,132
		Apr-13	4,546
		May-13	4,729
		Jun-13	4,648
		Jul-13	4,807
		Aug-13	4,918
		Sep-13	4,956
		<b>Annual Average</b>	<b>4,254</b>

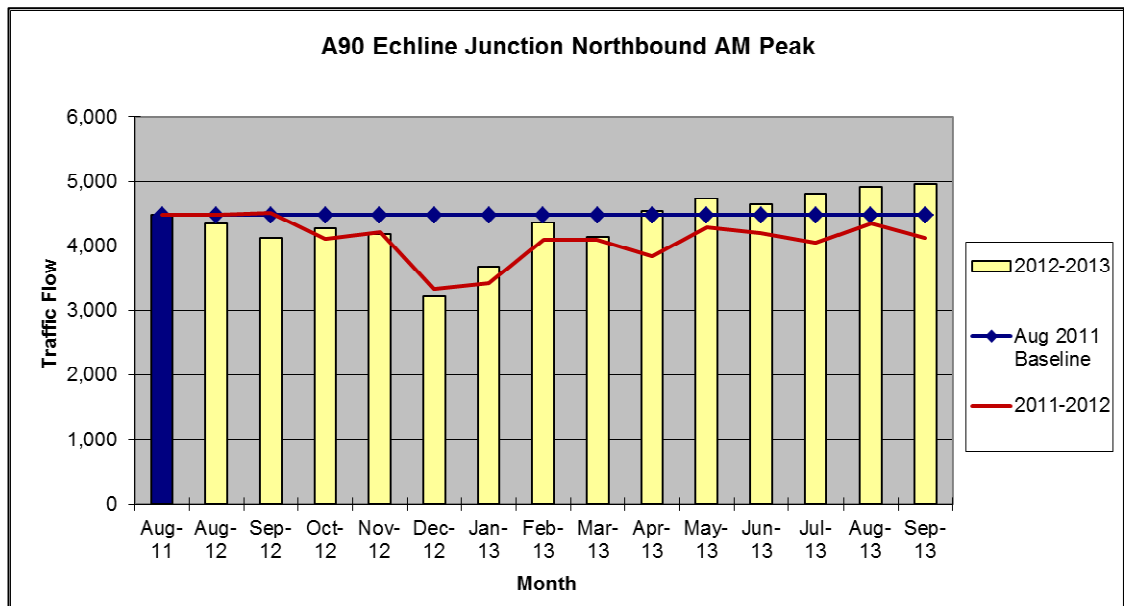


Figure 4-268 Monthly Northbound AM Peak Flows on the A90 Echline Junction Northbound (Main Carriageway)

### 4.15.3 Monthly Average PM Peak Traffic Flows

Table 4-101 Site: JTC08347 PM Peak Traffic Flows – August 2012 to September 2013

Counter	Location	Date	NB
JTC08347	A90 Echline Junction Northbound (Main Carriageway)	Aug-11	6,598
		Aug-12	6,352
		Sep-12	6,083
		Oct-12	6,136
		Nov-12	5,880
		Dec-12	5,276
		Jan-13	5,490
		Feb-13	6,165
		Mar-13	5,999
		Apr-13	6,488
		May-13	6,496
		Jun-13	6,408
		Jul-13	6,364
		Aug-13	6,774
Sep-13	6,619		
		<b>Annual Average</b>	<b>6,082</b>

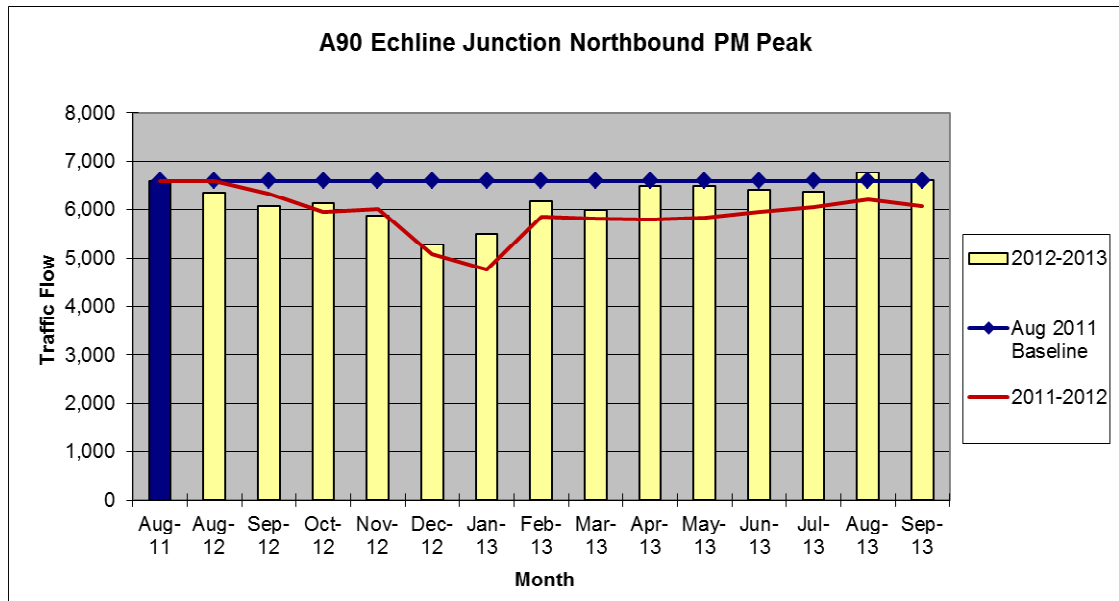


Figure 4-269 Monthly PM Peak Flows on the A90 Echline Junction Northbound (Main Carriageway)

### 4.15.4 Monthly Average HGV Flows

Table 4-102 Site: JTC08347 Annual HGV Traffic Flows – August 2012 to September 2013

Counter	Location	Date	NB
JTC08347	A90 Echline Junction Northbound (Main Carriageway)	Aug-11	1,275
		Aug-12	1,221
		Sep-12	1,138
		Oct-12	1,202
		Nov-12	1,169
		Dec-12	974
		Jan-13	1,006
		Feb-13	1,197
		Mar-13	1,264
		Apr-13	1,297
		May-13	1,363
		Jun-13	1,365
		Jul-13	1,407
		Aug-13	1,428
		Sep-13	1,453
		<b>Annual Average</b>	<b>1,217</b>

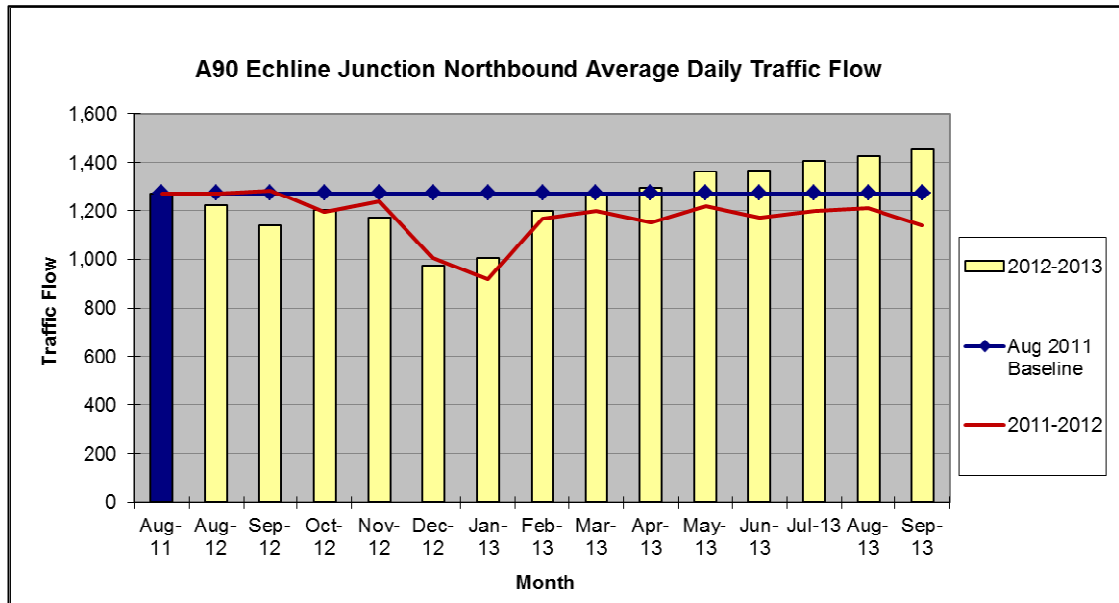
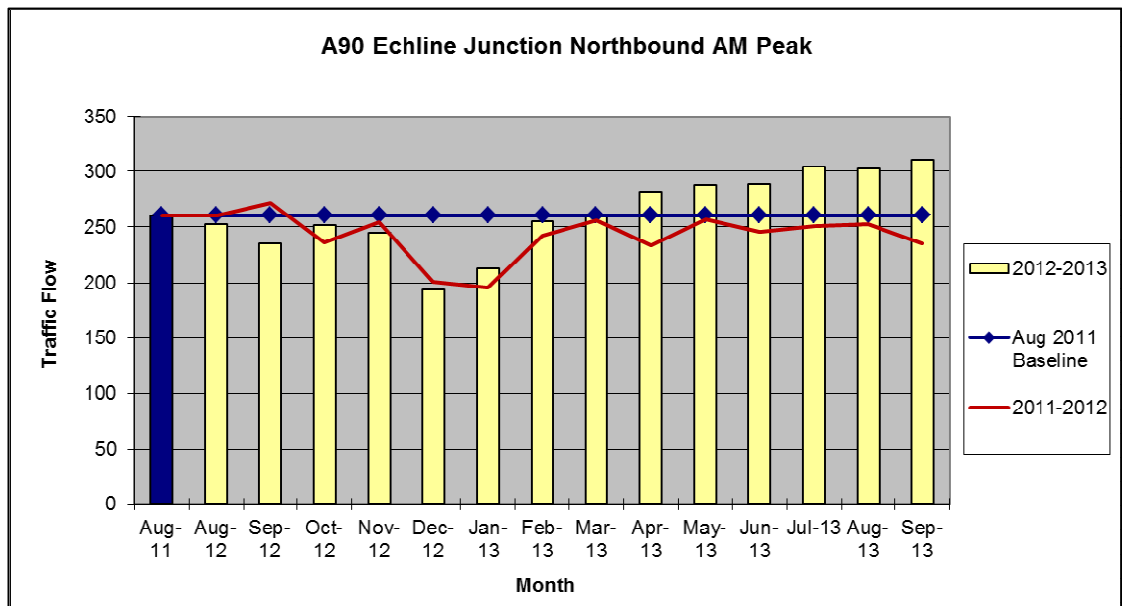


Figure 4-270 Monthly HGV Flows on the A90 Echline Junction Northbound (Main Carriageway)

### 4.15.5 Monthly Average AM Peak HGV Flows

**Table 4-103 Site: JTC08347 AM Peak HGV Traffic Flows – August 2012 to September 2013**

Counter	Location	Date	NB
JTC08347	A90 Echline Junction Northbound (Main Carriageway)	Aug-11	261
		Aug-12	253
		Sep-12	235
		Oct-12	252
		Nov-12	245
		Dec-12	194
		Jan-13	213
		Feb-13	255
		Mar-13	260
		Apr-13	281
		May-13	288
		Jun-13	289
		Jul-13	304
		Aug-13	302
Sep-13	310		
		<b>Annual Average</b>	<b>256</b>



**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 2012 to September 2013

Counter	Location	Date	NB
JTC08347	A90 Echline Junction Northbound (Main Carriageway)	Aug-11	171
		Aug-12	157
		Sep-12	162
		Oct-12	165
		Nov-12	152
		Dec-12	124
		Jan-13	130
		Feb-13	163
		Mar-13	169
		Apr-13	162
		May-13	173
		Jun-13	172
		Jul-13	168
		Aug-13	172
Sep-13	183		
		<b>Annual Average</b>	<b>158</b>

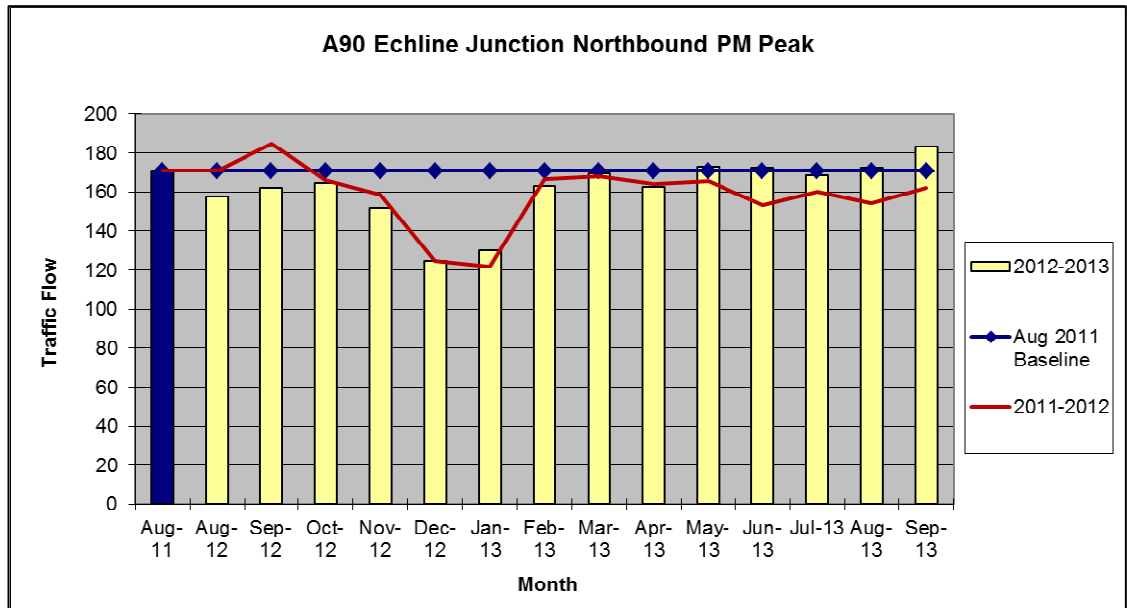
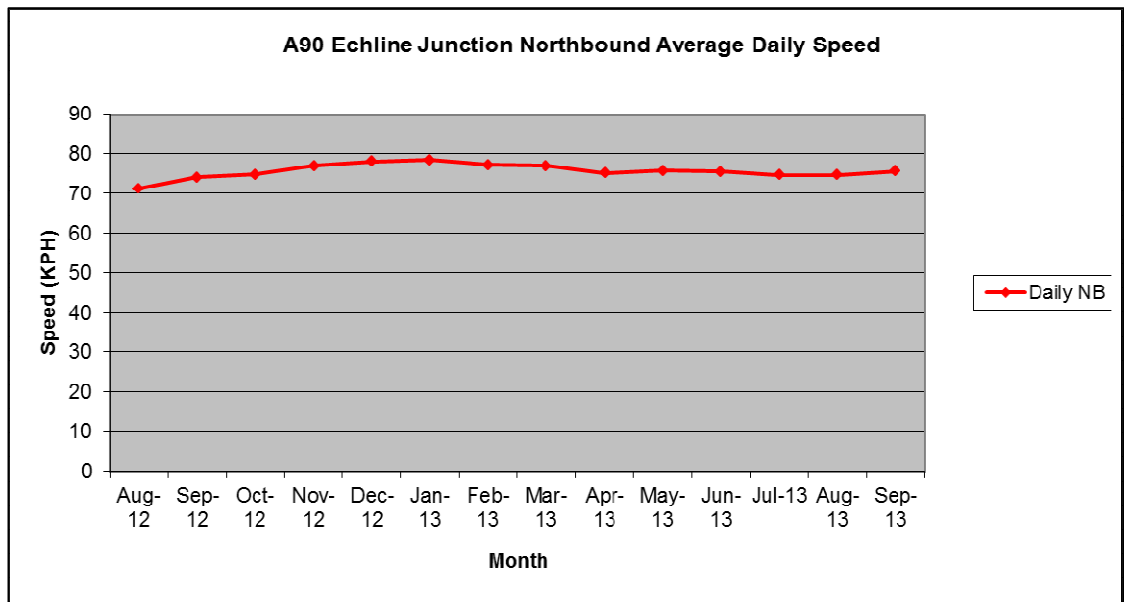


Figure 4-272 Monthly Northbound PM HGV Peak Flows on the A90 Echline Junction Northbound (Main Carriageway)

### 4.15.7 Monthly Average All Vehicles Traffic Speeds

**Table 4-105 Site: JTC08347 Average Monthly Traffic Speeds (KPH) (All Vehicles) – August 2012 to September 2013**

Counter	Location	Date	NB
JTC08347	A90 Echline Junction Northbound (Main Carriageway)	Aug-12	71
		Sep-12	74
		Oct-12	75
		Nov-12	77
		Dec-12	78
		Jan-13	78
		Feb-13	77
		Mar-13	77
		Apr-13	75
		May-13	76
		Jun-13	76
		Jul-13	75
		Aug-13	75
Sep-13	76		



**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 2012 to September 2013

Counter	Location	Date	SB
JTC08348	A90 Echline Junction Southbound (Main Carriageway)	Aug-11	No Data
		Aug-12	29,634
		Sep-12	28,083
		Oct-12	27,323
		Nov-12	27,008
		Dec-12	24,003
		Jan-13	23,629
		Feb-13	26,855
		Mar-13	26,815
		Apr-13	29,287
		May-13	30,186
		Jun-13	30,291
		Jul-13	31,096
		Aug-13	31,604
		Sep-13	29,471
		<b>Annual Average</b>	<b>27,851</b>

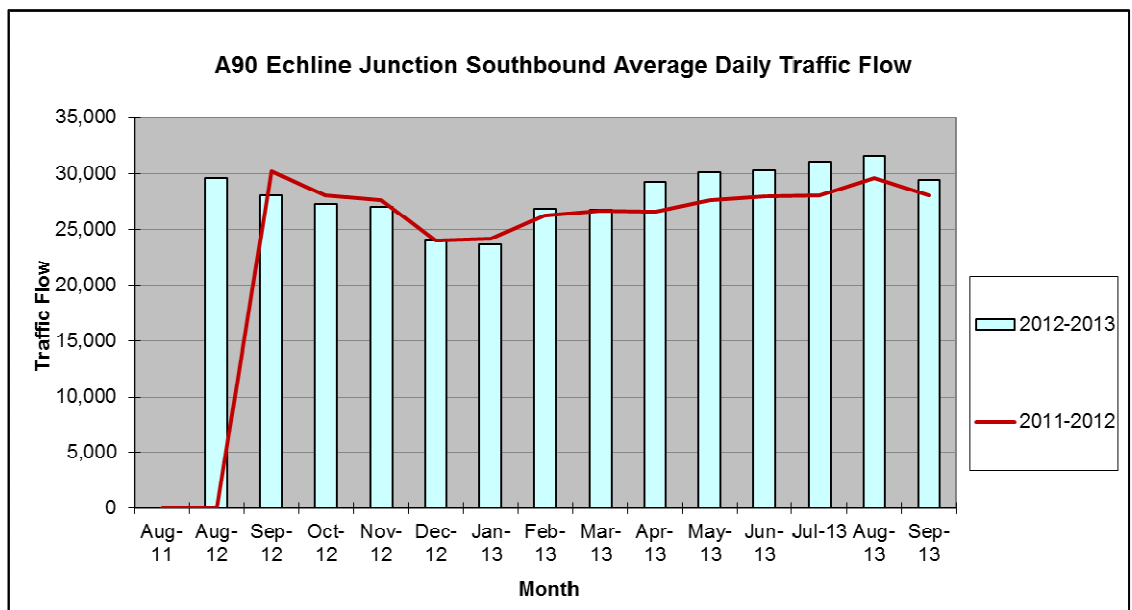
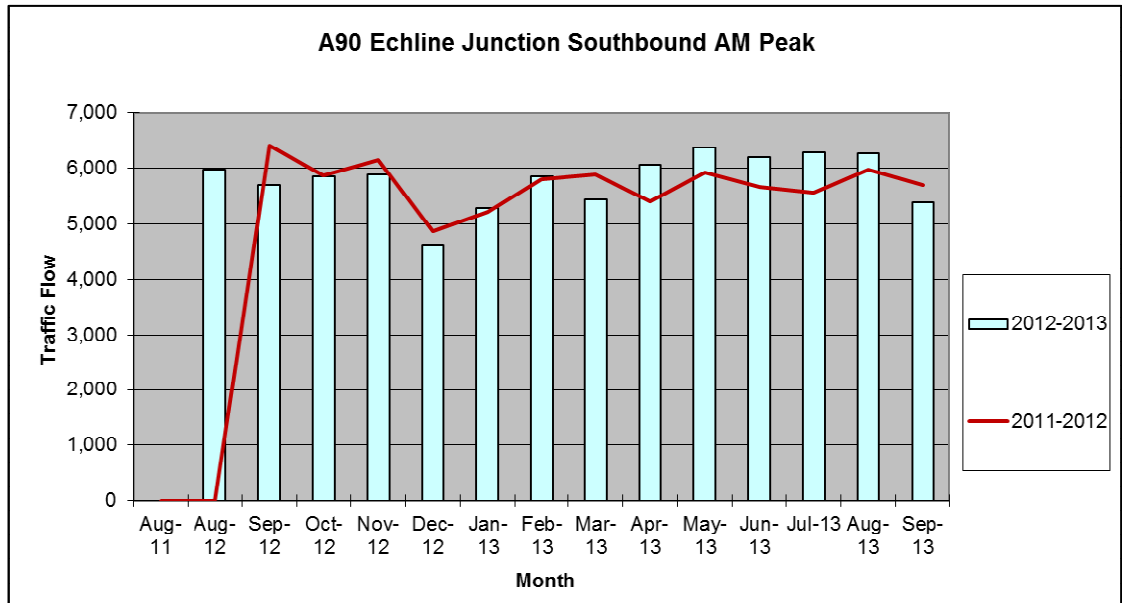


Figure 4-274 Monthly AADTs on the A90 Echline Junction Southbound (Main Carriageway)

### 4.16.2 Monthly Average AM Peak Traffic Flows

**Table 4-107 Site: JTC08348 AM Peak Traffic Flows – August 2012 to September 2013**

Counter	Location	Date	SB
JTC08348	A90 Echline Junction Southbound (Main Carriageway)	Aug-11	No Data
		Aug-12	5,976
		Sep-12	5,706
		Oct-12	5,857
		Nov-12	5,894
		Dec-12	4,605
		Jan-13	5,288
		Feb-13	5,855
		Mar-13	5,447
		Apr-13	6,056
		May-13	6,384
		Jun-13	6,205
		Jul-13	6,292
		Aug-13	6,273
Sep-13	5,387		
		<b>Annual Average</b>	<b>5,797</b>



**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 2012 to September 2013

Counter	Location	Date	SB
JTC08348	A90 Echline Junction Southbound (Main Carriageway)	Aug-11	No Data
		Aug-12	6,264
		Sep-12	5,954
		Oct-12	5,784
		Nov-12	5,603
		Dec-12	4,611
		Jan-13	4,866
		Feb-13	5,665
		Mar-13	5,595
		Apr-13	6,266
		May-13	6,424
		Jun-13	6,275
		Jul-13	6,417
		Aug-13	6,731
Sep-13	6,686		
		<b>Annual Average</b>	<b>5,810</b>

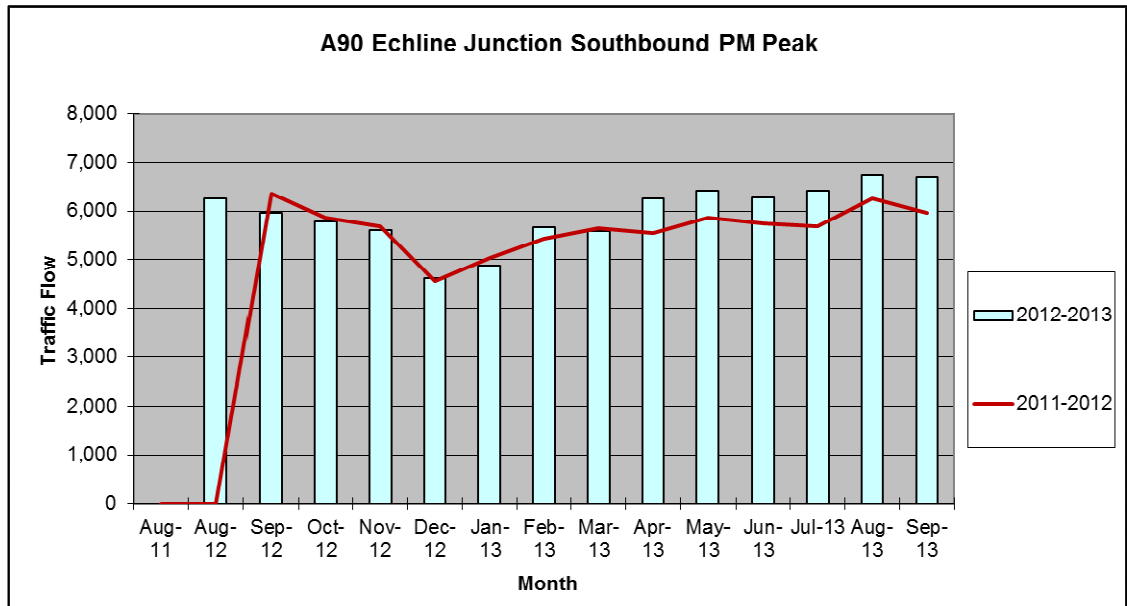


Figure 4-276 Monthly PM Peak Flows on the A90 Echline Junction Southbound (Main Carriageway)

### 4.16.4 Monthly Average HGV Flows

Table 4-109 Site: JTC08348 Annual HGV Traffic Flows – August 2012 to September 2013

Counter	Location	Date	SB
JTC08348	A90 Echline Junction Southbound (Main Carriageway)	Aug-11	No Data
		Aug-12	1,354
		Sep-12	1,260
		Oct-12	1,324
		Nov-12	1,324
		Dec-12	1,094
		Jan-13	1,151
		Feb-13	1,293
		Mar-13	1,348
		Apr-13	1,404
		May-13	1,487
		Jun-13	1,496
		Jul-13	1,566
		Aug-13	1,595
Sep-13	1,446		
		<b>Annual Average</b>	<b>1,342</b>

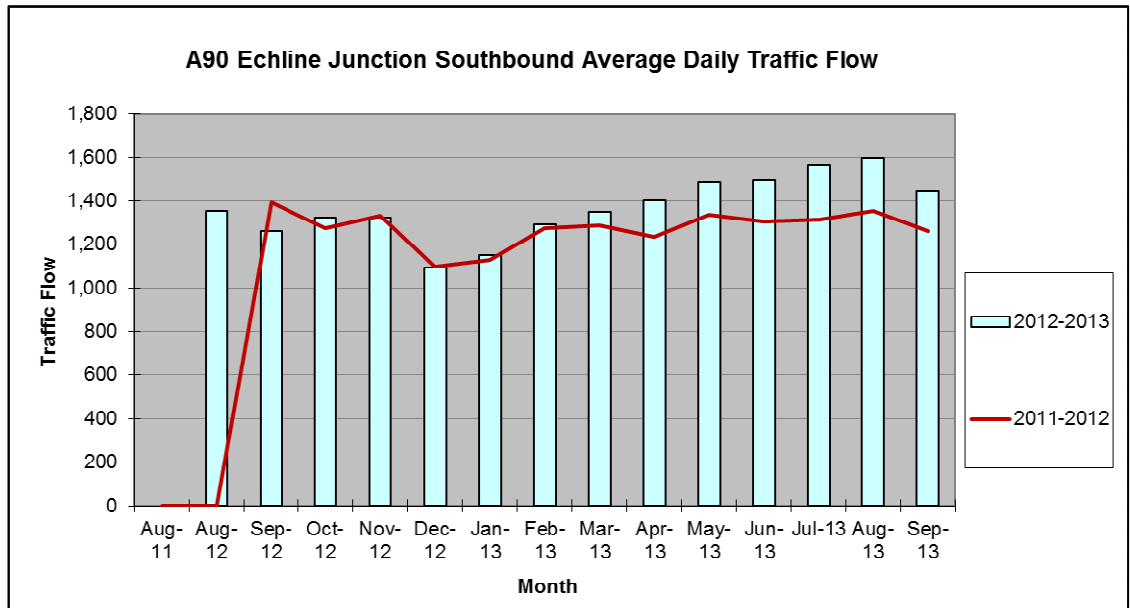


Figure 4-277 Monthly HGV Flows on the A90 Echline Junction Southbound (Main Carriageway)

4.16.5 Monthly Average AM Peak HGV Flows

Table 4-110 Site: JTC08348 AM Peak HGV Traffic Flows – August 2012 to September 2013

Counter	Location	Date	SB
JTC08348	A90 Echline Junction Southbound (Main Carriageway)	Aug-11	No Data
		Aug-12	221
		Sep-12	209
		Oct-12	214
		Nov-12	213
		Dec-12	166
		Jan-13	192
		Feb-13	218
		Mar-13	228
		Apr-13	236
		May-13	255
		Jun-13	255
		Jul-13	264
		Aug-13	260
		Sep-13	221
		<b>Annual Average</b>	<b>223</b>

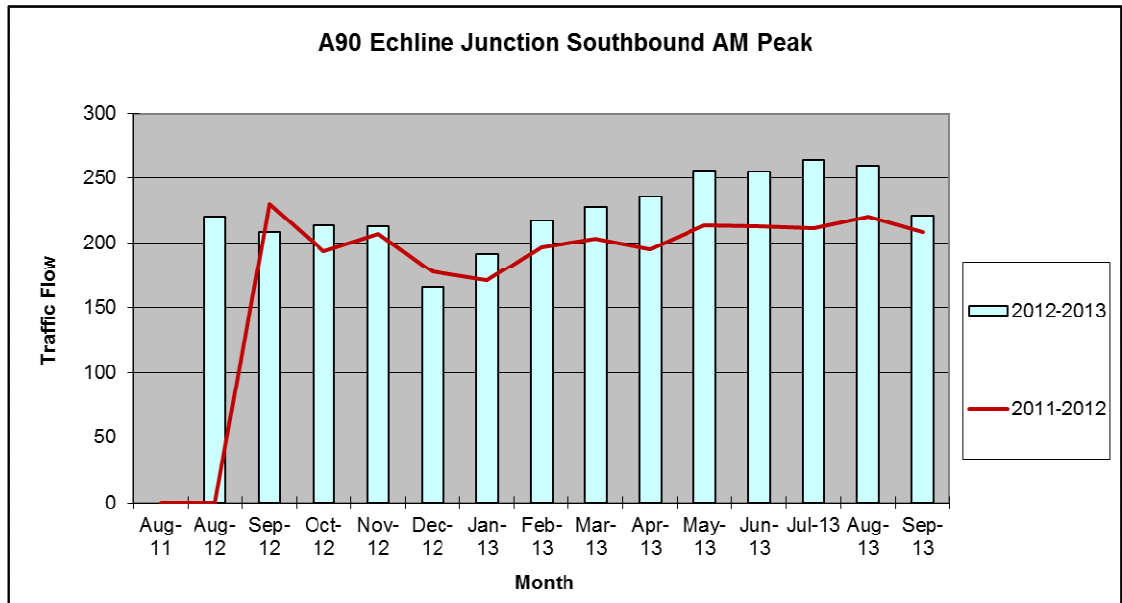


Figure 4-278 Monthly AM Peak HGV Flows on the A90 Echline Junction Southbound (Main Carriageway)

4.16.6 Monthly Average PM Peak HGV Flows

Table 4-111 Site: JTC08348 PM Peak HGV Traffic Flows – August 2012 to September 2013

Counter	Location	Date	SB
JTC08348	A90 Echline Junction Southbound (Main Carriageway)	Aug-11	No Data
		Aug-12	212
		Sep-12	200
		Oct-12	203
		Nov-12	197
		Dec-12	166
		Jan-13	169
		Feb-13	196
		Mar-13	203
		Apr-13	217
		May-13	223
		Jun-13	224
		Jul-13	240
		Aug-13	247
		Sep-13	228
		<b>Annual Average</b>	<b>204</b>

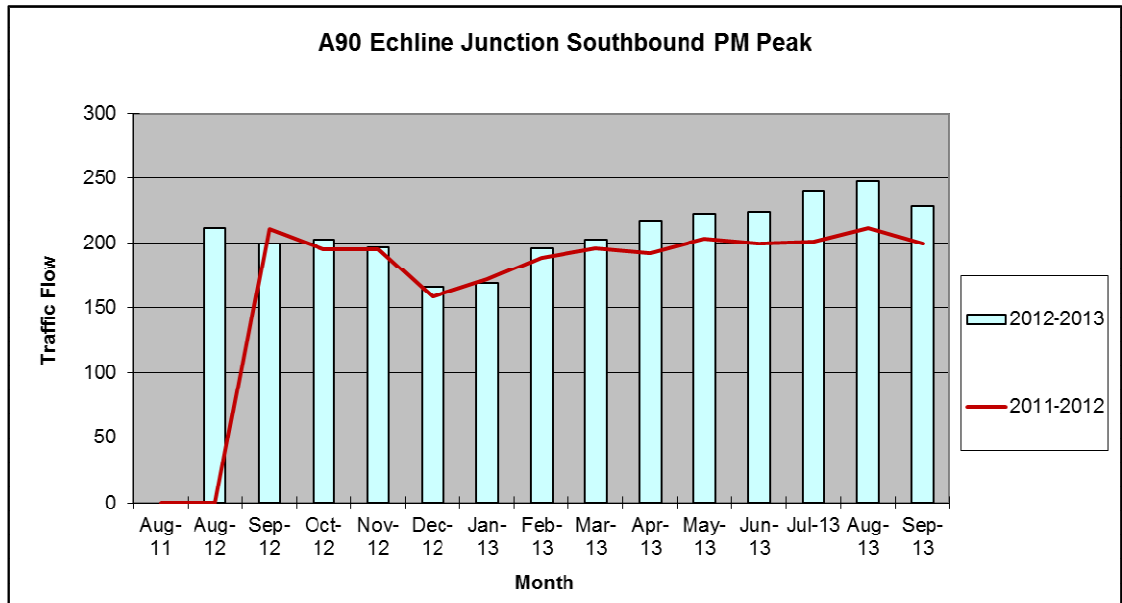


Figure 4-279 Monthly PM HGV Peak Flows on the A90 Echline Junction Southbound (Main Carriageway)



4.16.7 Monthly Average All Vehicles Traffic Speeds

Table 4-112 Site: JTC08348 Average Monthly Traffic Speeds (KPH) (All Vehicles) – August 2012 to September 2013

Counter	Location	Date	SB
JTC08348	A90 Echline Junction Southbound (Main Carriageway)	Aug-12	90
		Sep-12	90
		Oct-12	89
		Nov-12	89
		Dec-12	88
		Jan-13	89
		Feb-13	89
		Mar-13	89
		Apr-13	90
		May-13	91
		Jun-13	91
		Jul-13	91
		Aug-13	90
Sep-13	91		

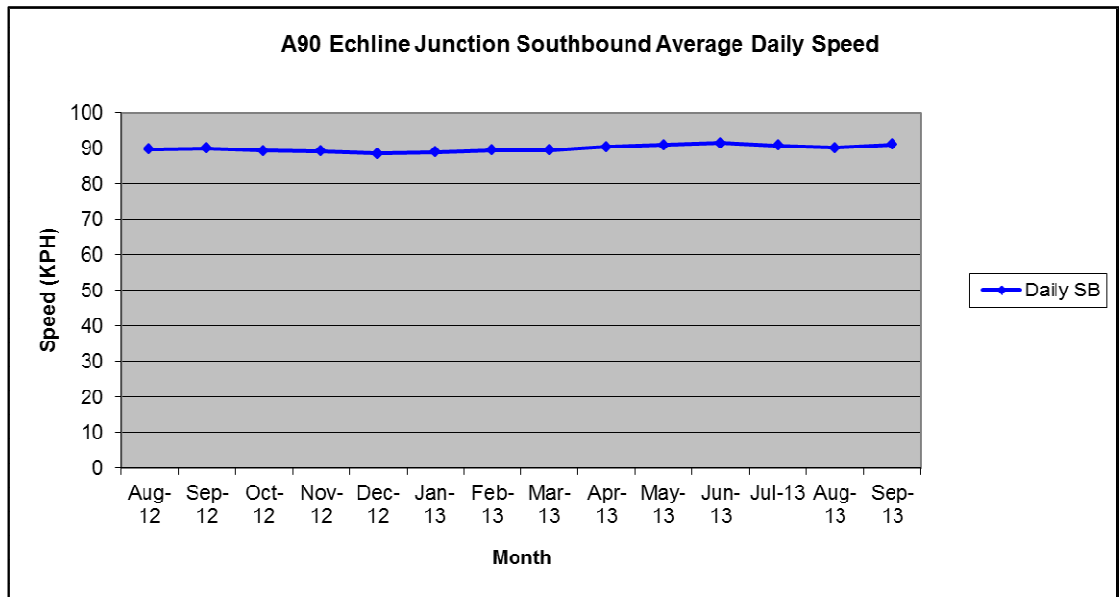


Figure 4-280 Average Monthly Traffic Speeds (KPH) on the A90 Echline Junction Southbound (Main Carriageway)

## 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 2012 to September 2013

Counter	Location	Date	NB
JTC58347	A90 Echline Junction Northbound On-Ramp	Aug-11	8,012
		Aug-12	8,411
		Sep-12	7,932
		Oct-12	7,904
		Nov-12	8,423
		Dec-12	6,702
		Jan-13	6,431
		Feb-13	6,643
		Mar-13	6,529
		Apr-13	7,014
		May-13	7,359
		Jun-13	7,309
		Jul-13	7,164
		Aug-13	7,286
		Sep-13	6,811
		<b>Annual Average</b>	<b>7,302</b>

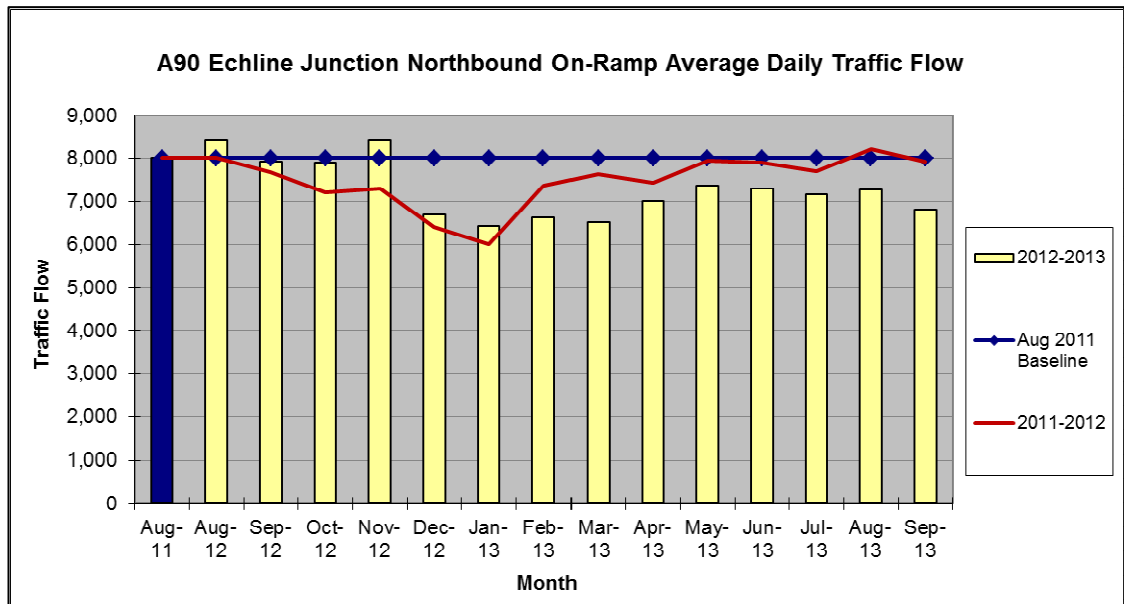


Figure 4-281 Monthly AADTs on the A90 Echline Junction Northbound On-Ramp

4.17.2 Monthly Average AM Peak Traffic Flows

Table 4-114 Site: JTC58347 AM Peak Traffic Flows – August 2012 to September 2013

Counter	Location	Date	NB
JTC58347	A90 Echline Junction Northbound On-Ramp	Aug-11	1,531
		Aug-12	1,616
		Sep-12	1,561
		Oct-12	1,634
		Nov-12	1,743
		Dec-12	1,210
		Jan-13	1,376
		Feb-13	1,394
		Mar-13	1,353
		Apr-13	1,387
		May-13	1,449
		Jun-13	1,344
		Jul-13	1,208
		Aug-13	1,275
		Sep-13	1,294
		<b>Annual Average</b>	<b>1,440</b>

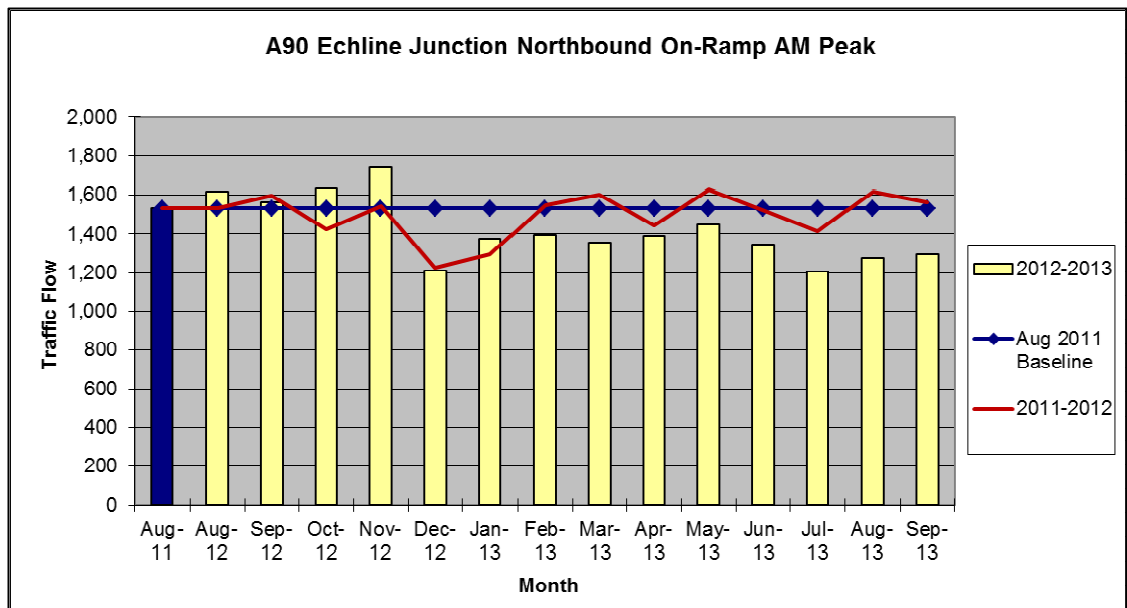


Figure 4-282 Monthly Northbound AM Peak Flows on the A90 Echline Junction Northbound On-Ramp

### 4.17.3 Monthly Average PM Peak Traffic Flows

Table 4-115 Site: JTC58347 PM Peak Traffic Flows – August 2012 to September 2013

Counter	Location	Date	NB
JTC58347	A90 Echline Junction Northbound On-Ramp	Aug-11	2,020
		Aug-12	2,022
		Sep-12	1,911
		Oct-12	1,893
		Nov-12	2,015
		Dec-12	1,466
		Jan-13	1,466
		Feb-13	1,546
		Mar-13	1,502
		Apr-13	1,723
		May-13	1,818
		Jun-13	1,816
		Jul-13	1,805
		Aug-13	1,931
		Sep-13	1,800
		<b>Annual Average</b>	<b>1,745</b>

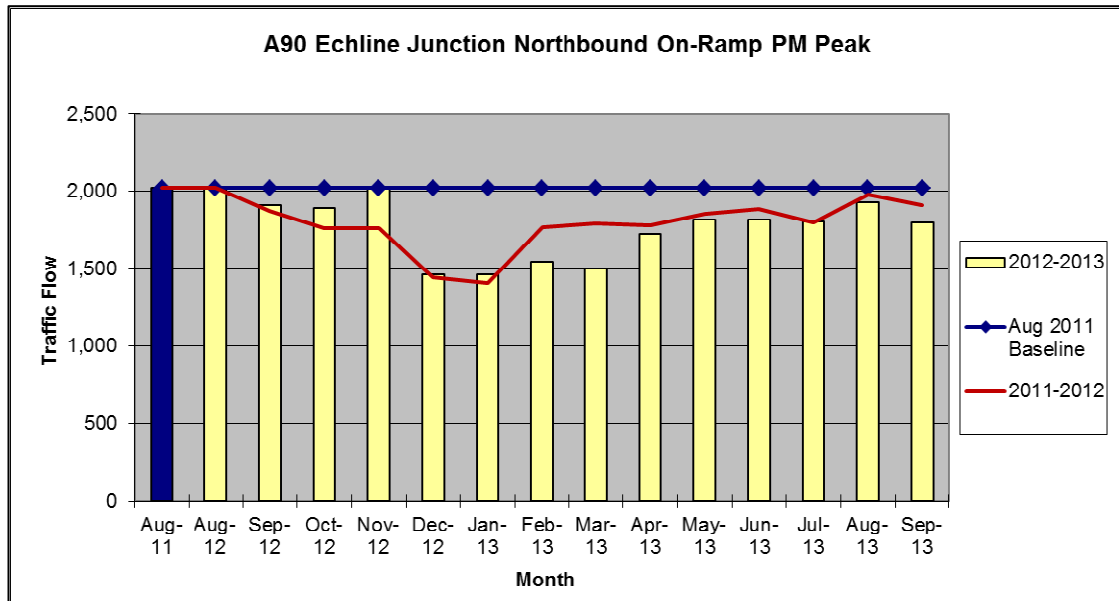


Figure 4-283 Monthly PM Peak Flows on the A90 Echline Junction Northbound On-Ramp

### 4.17.4 Monthly Average HGV Flows

Table 4-116 Site: JTC58347 Annual HGV Traffic Flows – August 2012 to September 2013

Counter	Location	Date	NB
JTC58347	A90 Echline Junction Northbound On-Ramp	Aug-11	313
		Aug-12	306
		Sep-12	291
		Oct-12	313
		Nov-12	345
		Dec-12	261
		Jan-13	265
		Feb-13	193
		Mar-13	179
		Apr-13	178
		May-13	189
		Jun-13	189
		Jul-13	173
		Aug-13	182
Sep-13	173		
		<b>Annual Average</b>	<b>240</b>

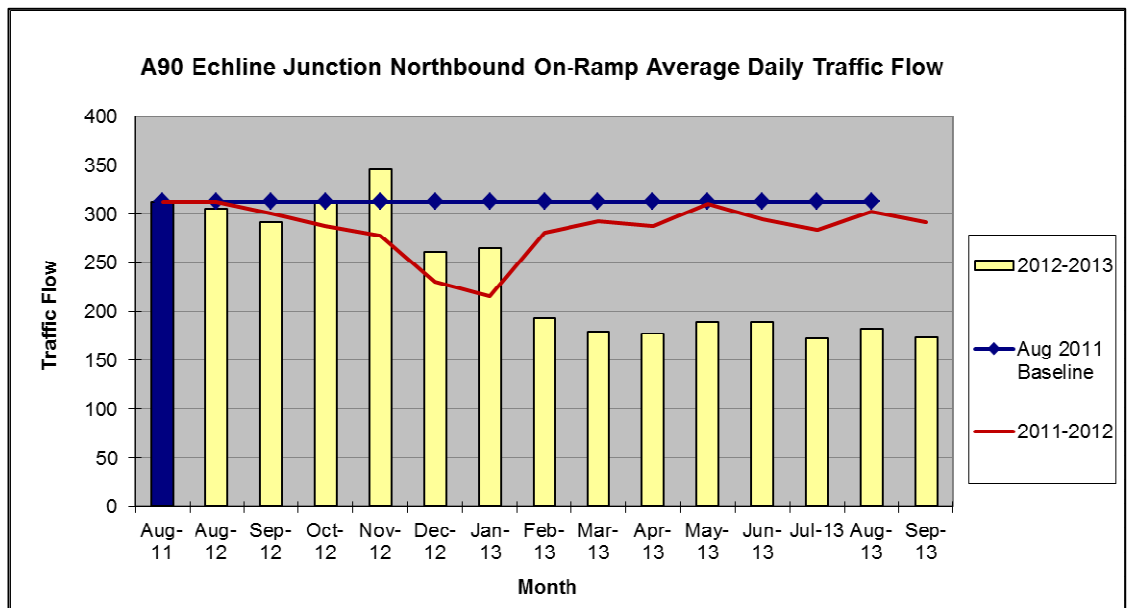


Figure 4-284 Monthly HGV Flows on the A90 Echline Junction Northbound On-Ramp

### 4.17.5 Monthly Average AM Peak HGV Flows

Table 4-117 Site: JTC58347 AM Peak HGV Traffic Flows – August 2012 to September 2013

Counter	Location	Date	NB
JTC58347	A90 Echline Junction Northbound On-Ramp	Aug-11	62
		Aug-12	58
		Sep-12	58
		Oct-12	63
		Nov-12	68
		Dec-12	49
		Jan-13	53
		Feb-13	38
		Mar-13	35
		Apr-13	33
		May-13	37
		Jun-13	34
		Jul-13	30
		Aug-13	31
		Sep-13	32
		<b>Annual Average</b>	<b>46</b>

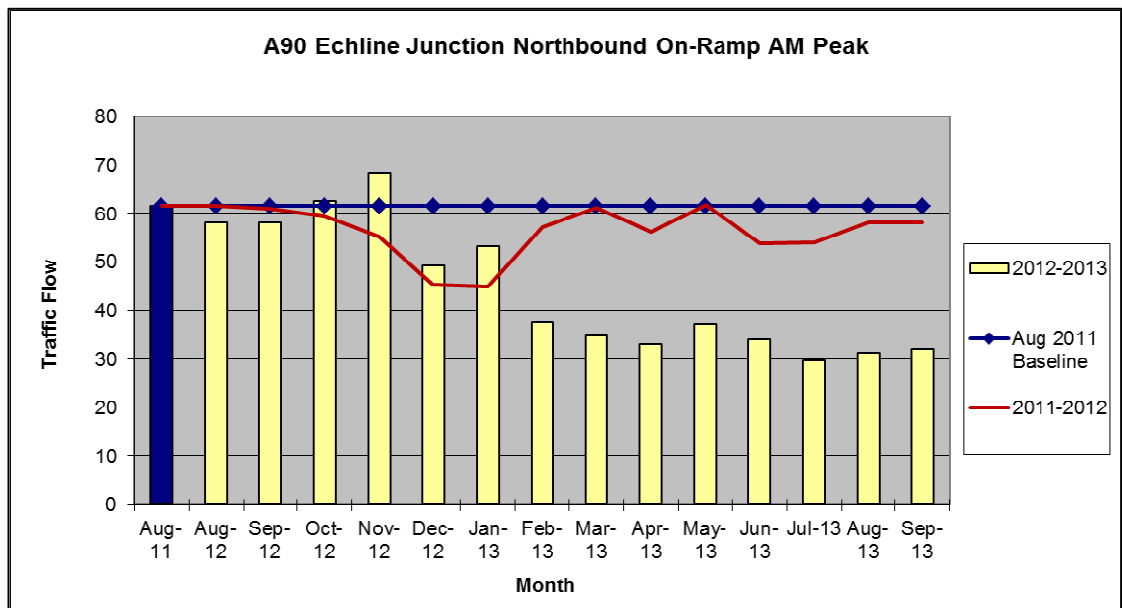


Figure 4-285 Monthly AM Peak HGV Flows on the A90 Echline Junction Northbound On-Ramp

4.17.6 Monthly Average PM Peak HGV Flows

Table 4-118 Site: JTC58347 PM Peak HGV Traffic Flows – August 2012 to September 2013

Counter	Location	Date	NB
JTC58347	A90 Echline Junction Northbound On-Ramp	Aug-11	56
		Aug-12	55
		Sep-12	48
		Oct-12	48
		Nov-12	51
		Dec-12	38
		Jan-13	37
		Feb-13	33
		Mar-13	32
		Apr-13	37
		May-13	39
		Jun-13	41
		Jul-13	36
		Aug-13	44
		Sep-13	38
		<b>Annual Average</b>	<b>41</b>

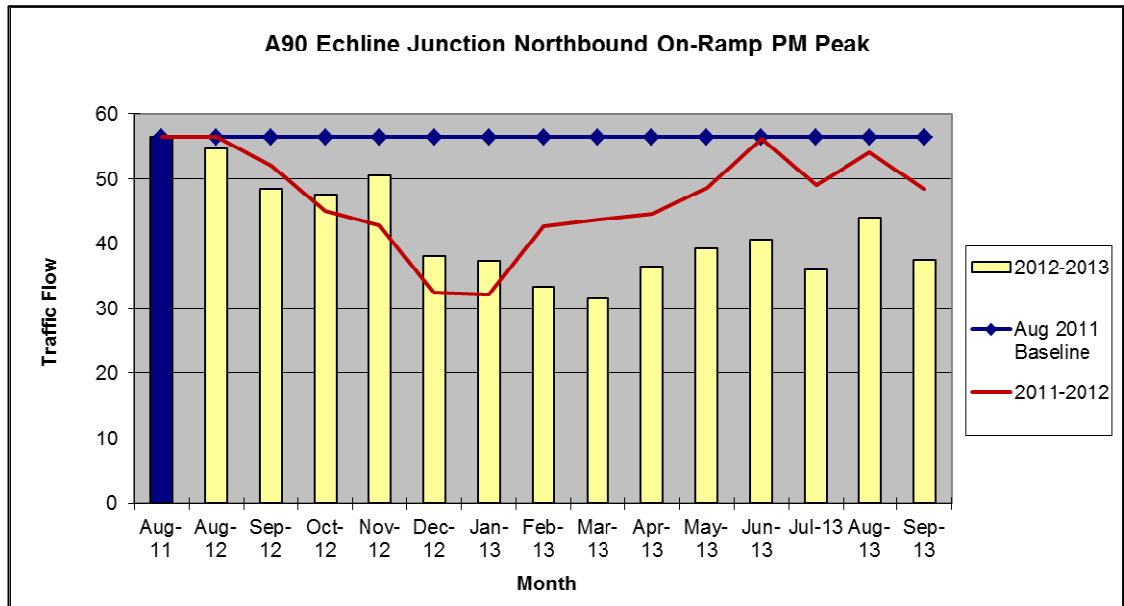


Figure 4-286 Monthly PM HGV Peak Flows on the A90 Echline Junction Northbound On-Ramp

4.17.7 Monthly Average All Vehicles Traffic Speeds

Table 4-119 Site: JTC58347 Average Monthly Traffic Speeds (KPH) (All Vehicles) – August 2012 to September 2013

Counter	Location	Date	NB
JTC58347	A90 Echline Junction Northbound On-Ramp	Aug-12	53
		Sep-12	54
		Oct-12	54
		Nov-12	53
		Dec-12	54
		Jan-13	53
		Feb-13	54
		Mar-13	53
		Apr-13	54
		May-13	54
		Jun-13	54
		Jul-13	54
		Aug-13	54
Sep-13	54		

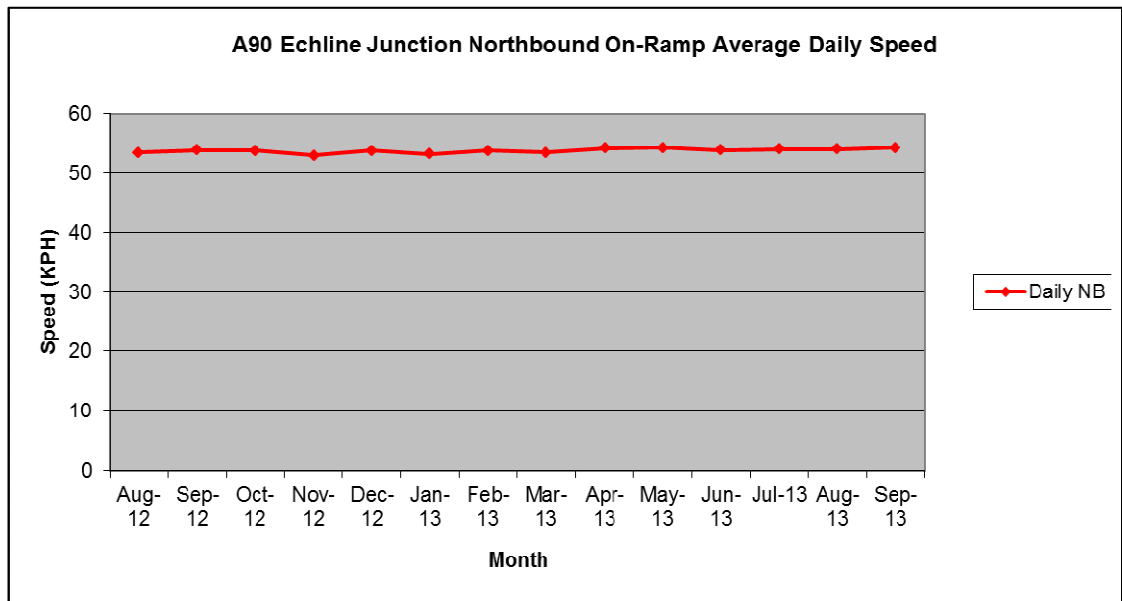


Figure 4-287 Average Monthly Traffic Speeds (KPH) on the A90 Echline Junction Northbound On-Ramp



## 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 2012 to September 2013

Counter	Location	Date	SB
JTC58348	A90 Echline Junction Southbound Off-Ramp	Aug-11	8,063
		Aug-12	8,569
		Sep-12	8,068
		Oct-12	8,217
		Nov-12	8,133
		Dec-12	6,709
		Jan-13	6,405
		Feb-13	6,849
		Mar-13	6,754
		Apr-13	7,106
		May-13	7,302
		Jun-13	7,349
		Jul-13	7,080
		Aug-13	7,159
		Sep-13	6,694
		<b>Annual Average</b>	<b>7,378</b>

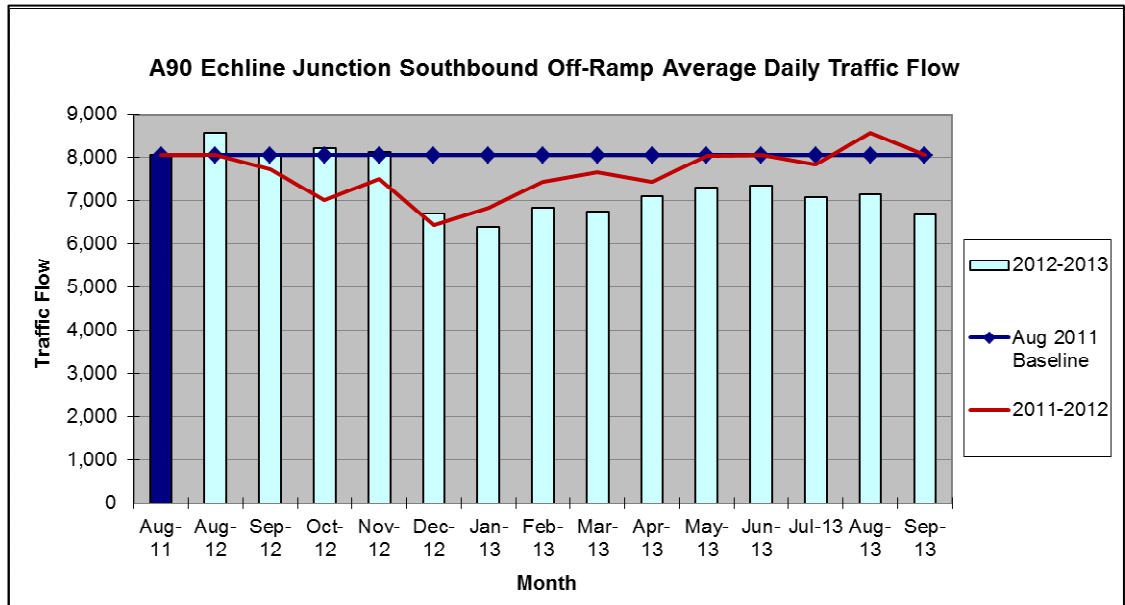


Figure 4-288 Monthly Two Way Daily Traffic Flows on the A90 Echline Junction Southbound Off-Ramp

### 4.18.2 Monthly Average AM Peak Traffic Flows

Table 4-121 Site: JTC58348 AM Peak Traffic Flows – August 2012 to September 2013

Counter	Location	Date	SB
JTC58348	A90 Echline Junction Southbound Off-Ramp	Aug-11	1,463
		Aug-12	1,560
		Sep-12	1,519
		Oct-12	1,618
		Nov-12	1,710
		Dec-12	1,256
		Jan-13	1,255
		Feb-13	1,341
		Mar-13	1,313
		Apr-13	1,286
		May-13	1,372
		Jun-13	1,372
		Jul-13	1,181
		Aug-13	1,260
		Sep-13	1,253
		<b>Annual Average</b>	<b>1,399</b>

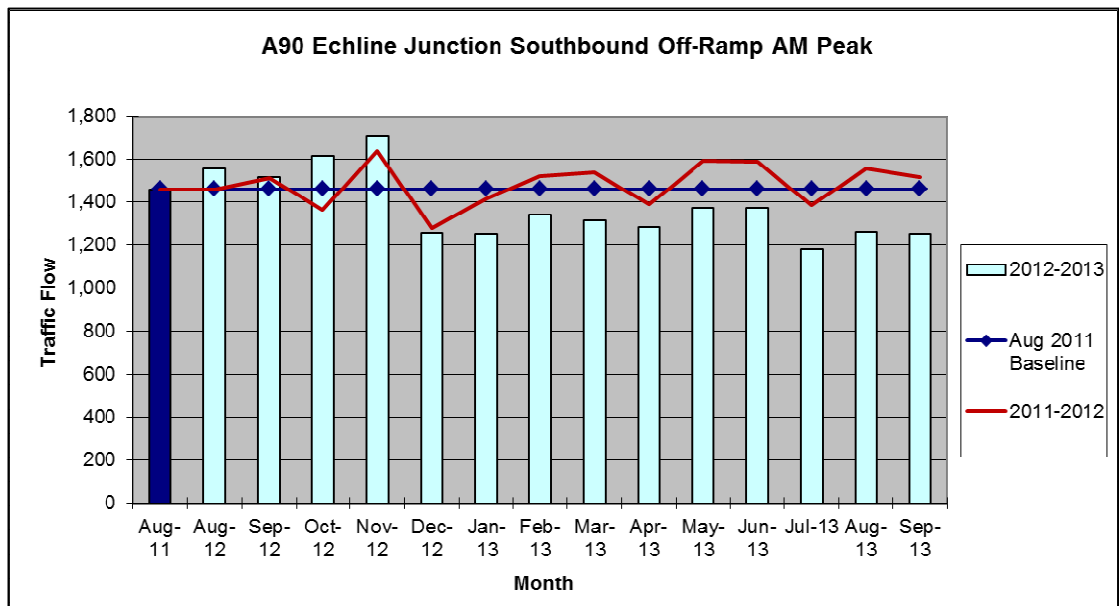


Figure 4-289 Monthly Southbound AM Peak Flows on the A90 Echline Junction Southbound Off-Ramp

### 4.18.3 Monthly Average PM Peak Traffic Flows

Table 4-122 Site: JTC58348 PM Peak Traffic Flows – August 2012 to September 2013

Counter	Location	Date	SB
JTC58348	A90 Echline Junction Southbound Off-Ramp	Aug-11	2,033
		Aug-12	2,183
		Sep-12	2,031
		Oct-12	2,063
		Nov-12	1,980
		Dec-12	1,527
		Jan-13	1,569
		Feb-13	1,699
		Mar-13	1,652
		Apr-13	1,786
		May-13	1,806
		Jun-13	1,776
		Jul-13	1,788
		Aug-13	1,753
		Sep-13	1,672
		<b>Annual Average</b>	<b>1,822</b>

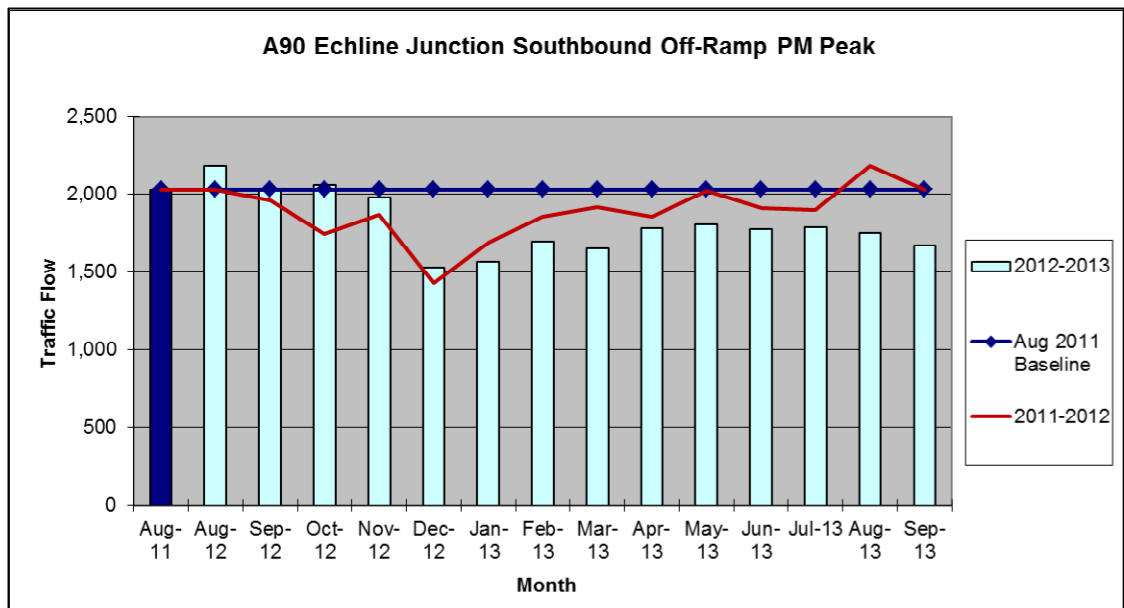


Figure 4-290 Monthly PM Peak Flows on the A90 Echline Junction Southbound Off-Ramp

### 4.18.4 Monthly Average HGV Flows

Table 4-123 Site: JTC58348 Annual HGV Traffic Flows – August 2012 to September 2013

Counter	Location	Date	SB
JTC58348	A90 Echline Junction Southbound Off-Ramp	Aug-11	310
		Aug-12	317
		Sep-12	301
		Oct-12	331
		Nov-12	342
		Dec-12	249
		Jan-13	235
		Feb-13	203
		Mar-13	193
		Apr-13	190
		May-13	188
		Jun-13	182
		Jul-13	172
		Aug-13	176
Sep-13	166		
		<b>Annual Average</b>	<b>242</b>

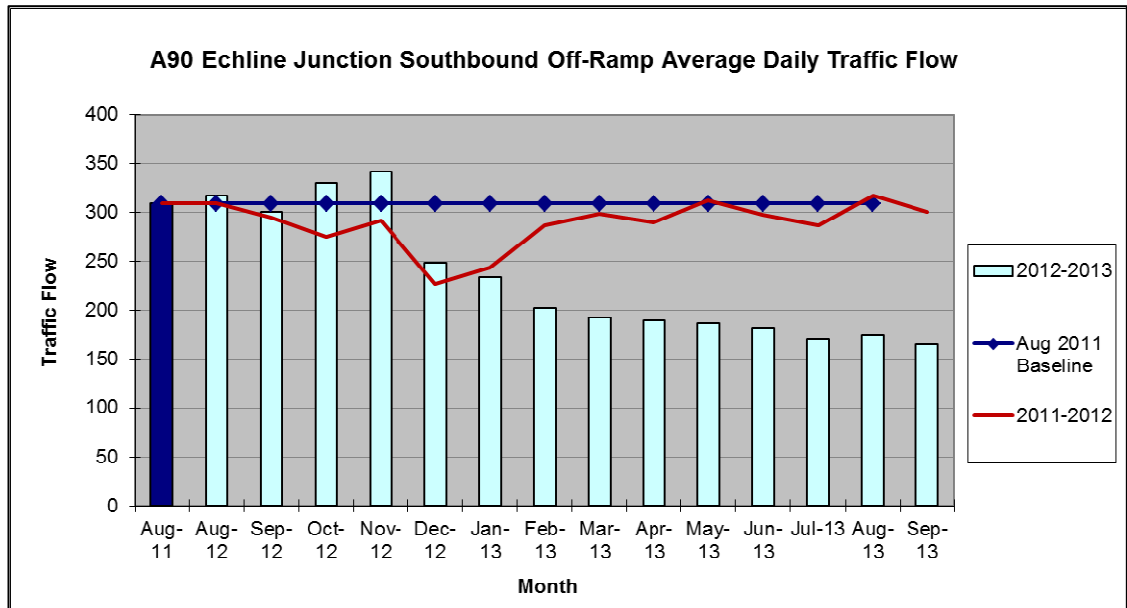


Figure 4-291 Monthly HGV Flows on the A90 Echline Junction Southbound Off-Ramp

4.18.5 Monthly Average AM Peak HGV Flows

Table 4-124 Site: JTC58348 AM Peak HGV Traffic Flows – August 2012 to September 2013

Counter	Location	Date	SB
JTC58348	A90 Echline Junction Southbound Off-Ramp	Aug-11	60
		Aug-12	59
		Sep-12	59
		Oct-12	64
		Nov-12	64
		Dec-12	50
		Jan-13	45
		Feb-13	42
		Mar-13	38
		Apr-13	39
		May-13	35
		Jun-13	35
		Jul-13	33
		Aug-13	33
		Sep-13	32
		<b>Annual Average</b>	<b>47</b>

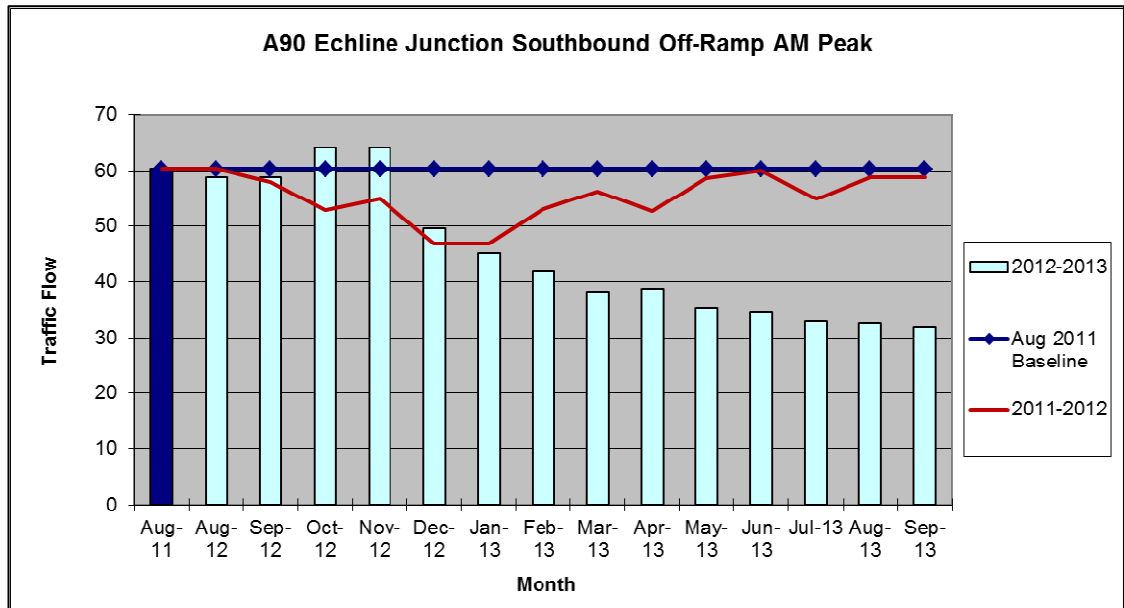


Figure 4-292 Monthly AM Peak HGV Flows on the A90 Echline Junction Southbound Off-Ramp

### 4.18.6 Monthly Average PM Peak HGV Flows

Table 4-125 Site: JTC58348 PM Peak HGV Traffic Flows – August 2012 to September 2013

Counter	Location	Date	SB
JTC58348	A90 Echline Junction Southbound Off-Ramp	Aug-11	52
		Aug-12	55
		Sep-12	52
		Oct-12	55
		Nov-12	57
		Dec-12	41
		Jan-13	36
		Feb-13	32
		Mar-13	30
		Apr-13	31
		May-13	33
		Jun-13	34
		Jul-13	30
		Aug-13	31
		Sep-13	28
		<b>Annual Average</b>	<b>41</b>

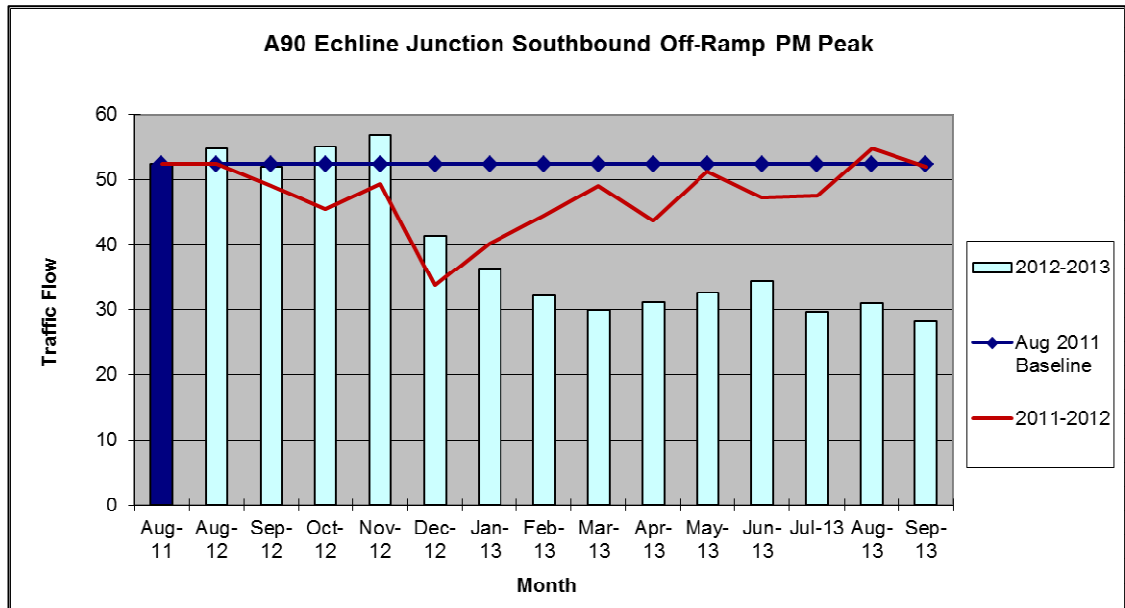
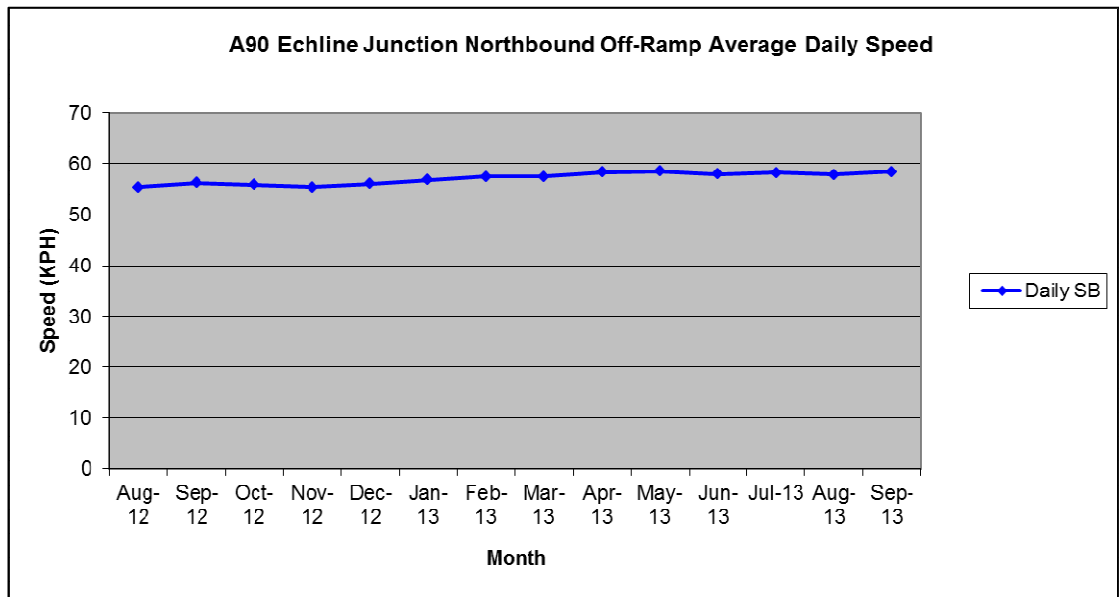


Figure 4-293 Monthly PM HGV Peak Flows on the A90 Echline Junction Southbound Off-Ramp

### 4.18.7 Monthly Average All Vehicles Traffic Speeds

**Table 4-126 Site: JTC58348 Average Monthly Traffic Speeds (KPH) (All Vehicles) – August 2012 to September 2013**

Counter	Location	Date	SB
JTC58348	A90 Echline Junction Southbound Off-Ramp	Aug-12	55
		Sep-12	56
		Oct-12	56
		Nov-12	55
		Dec-12	56
		Jan-13	57
		Feb-13	57
		Mar-13	58
		Apr-13	58
		May-13	58
		Jun-13	58
		Jul-13	58
		Aug-13	58
Sep-13	58		



**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 2012 to September 2013

Counter	Location	Date	NB
NTC00802	A90 Northbound (West of Barnton)	Aug-11	No Data
		Aug-12	21,410
		Sep-12	20,024
		Oct-12	19,798
		Nov-12	20,581
		Dec-12	18,178
		Jan-13	17,314
		Feb-13	18,475
		Mar-13	17,893
		Apr-13	18,964
		May-13	19,778
		Jun-13	19,726
		Jul-13	19,416
		Aug-13	20,750
		Sep-13	19,193
		<b>Annual Average</b>	<b>19,296</b>

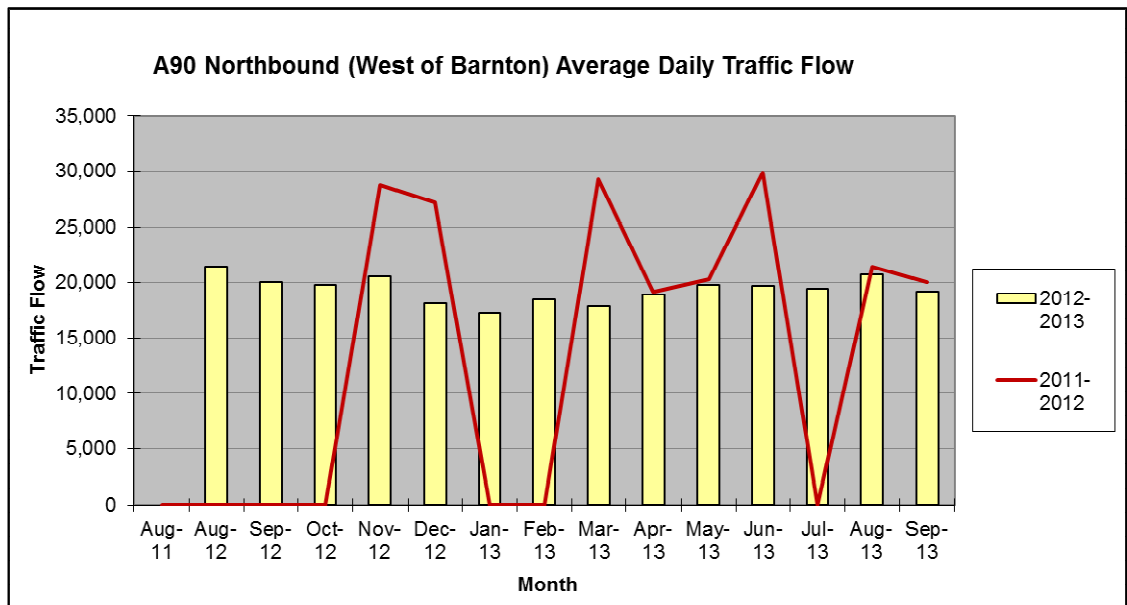


Figure 4-295 Monthly AADTs on the A90 Northbound (West of Barnton)



### 4.19.2 Monthly Average AM Peak Traffic Flows

Table 4-128 Site: NTC00802 AM Peak Traffic Flows – August 2012 to September 2013

Counter	Location	Date	NB
NTC00802	A90 Northbound (West of Barnton)	Aug-11	No Data
		Aug-12	3,426
		Sep-12	3,230
		Oct-12	3,167
		Nov-12	3,399
		Dec-12	2,497
		Jan-13	2,785
		Feb-13	3,010
		Mar-13	2,814
		Apr-13	3,063
		May-13	3,291
		Jun-13	3,177
		Jul-13	3,096
		Aug-13	3,246
		Sep-13	3,148
		<b>Annual Average</b>	<b>3,080</b>

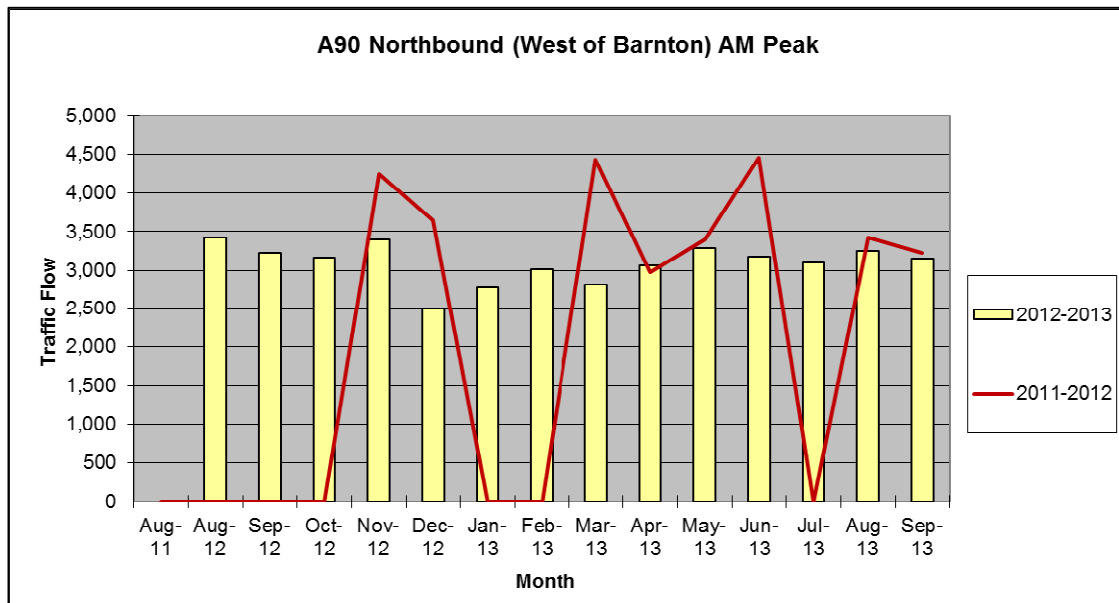


Figure 4-296 Monthly Northbound AM Peak Flows on the A90 Northbound (West of Barnton)

### 4.19.3 Monthly Average PM Peak Traffic Flows

Table 4-129 Site: NTC00802 PM Peak Traffic Flows – August 2012 to September 2013

Counter	Location	Date	NB
NTC00802	A90 Northbound (West of Barnton)	Aug-11	No Data
		Aug-12	5,706
		Sep-12	5,409
		Oct-12	5,447
		Nov-12	5,748
		Dec-12	4,744
		Jan-13	4,868
		Feb-13	5,109
		Mar-13	4,656
		Apr-13	5,142
		May-13	5,312
		Jun-13	5,191
		Jul-13	5,085
		Aug-13	5,436
		Sep-13	5,124
		<b>Annual Average</b>	<b>5,201</b>

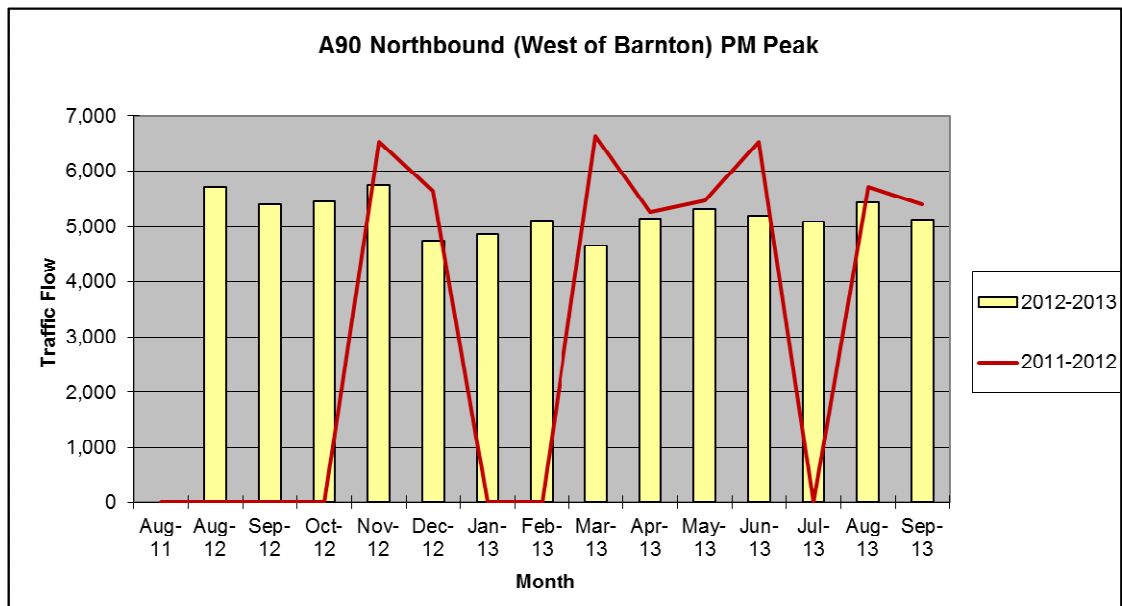


Figure 4-297 Monthly PM Peak Flows on the A90 Northbound (West of Barnton)

### 4.19.4 Monthly Average HGV Flows

Table 4-130 Site: NTC00802 Annual HGV Traffic Flows – August 2012 to September 2013

Counter	Location	Date	NB
NTC00802	A90 Northbound (West of Barnton)	Aug-11	No Data
		Aug-12	517
		Sep-12	465
		Oct-12	457
		Nov-12	451
		Dec-12	362
		Jan-13	365
		Feb-13	384
		Mar-13	391
		Apr-13	415
		May-13	437
		Jun-13	458
		Jul-13	473
		Aug-13	480
Sep-13	442		
<b>Annual Average</b>			<b>431</b>

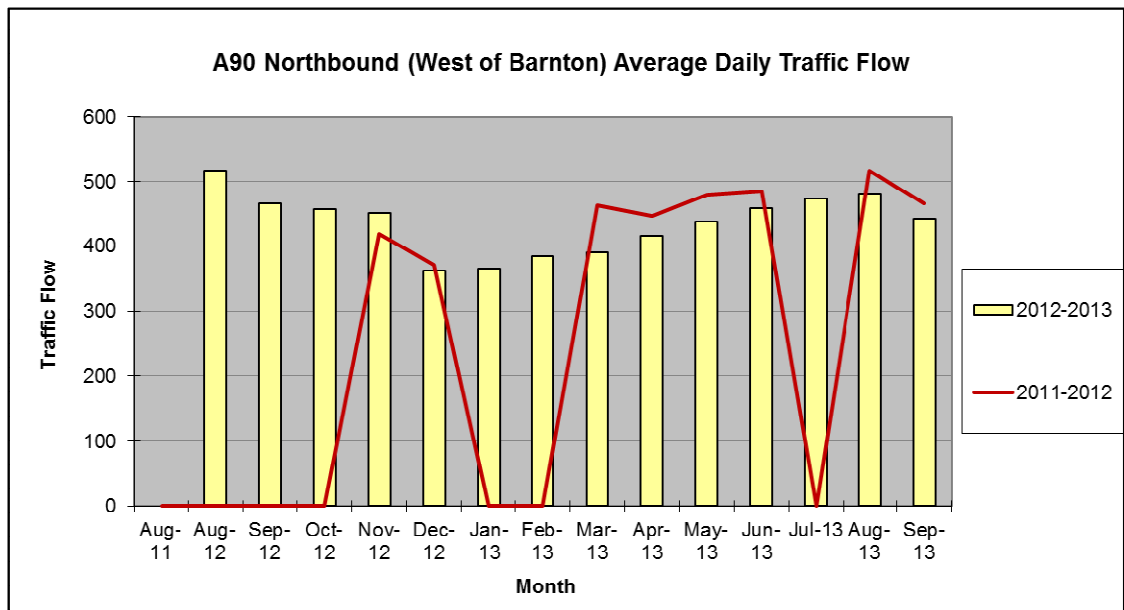


Figure 4-298 Monthly Eastbound HGV Flows on the A90 Northbound (West of Barnton)

### 4.19.5 Monthly Average AM Peak HGV Flows

Table 4-131 Site: NTC00802 AM Peak HGV Traffic Flows – August 2012 to September 2013

Counter	Location	Date	NB
NTC00802	A90 Northbound (West of Barnton)	Aug-11	No Data
		Aug-12	99
		Sep-12	92
		Oct-12	89
		Nov-12	86
		Dec-12	65
		Jan-13	75
		Feb-13	79
		Mar-13	81
		Apr-13	86
		May-13	89
		Jun-13	96
		Jul-13	101
		Aug-13	95
Sep-13	88		
<b>Annual Average</b>			<b>86</b>

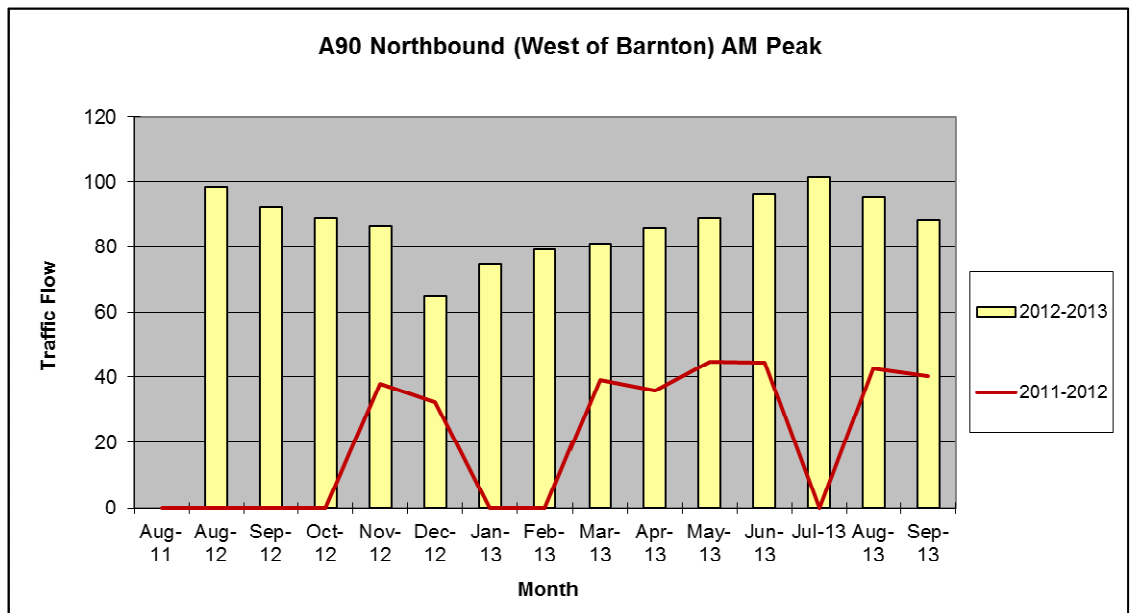


Figure 4-299 Monthly Eastbound AM Peak HGV Flows on the A90 Northbound (West of Barnton)

4.19.6 Monthly Average PM Peak HGV Flows

Table 4-132 Site: NTC00802 PM Peak HGV Traffic Flows – August 2012 to September 2013

Counter	Location	Date	NB
NTC00802	A90 Northbound (West of Barnton)	Aug-11	No Data
		Aug-12	101
		Sep-12	85
		Oct-12	83
		Nov-12	81
		Dec-12	67
		Jan-13	65
		Feb-13	71
		Mar-13	68
		Apr-13	73
		May-13	78
		Jun-13	83
		Jul-13	85
		Aug-13	89
		Sep-13	82
		<b>Annual Average</b>	<b>78</b>

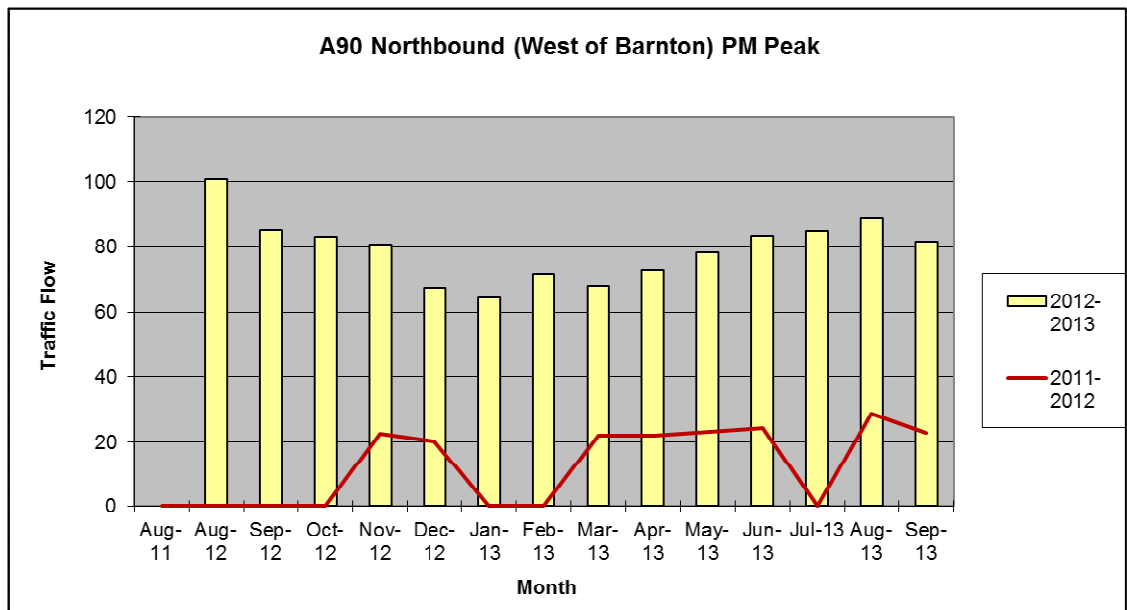
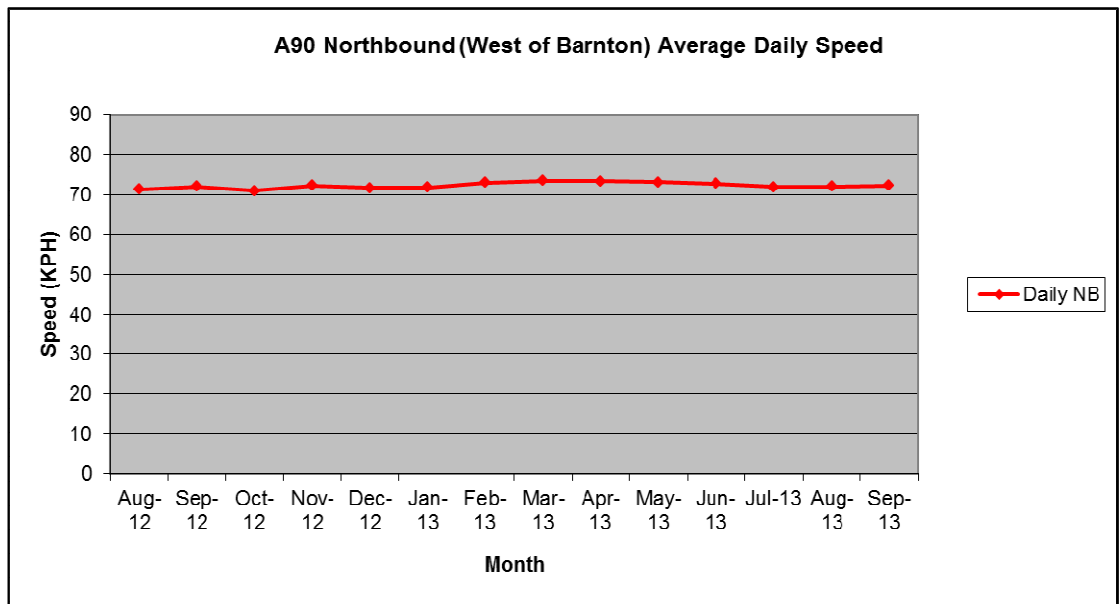


Figure 4-300 Monthly Eastbound PM HGV Peak Flows on the A90 Northbound (West of Barnton)

### 4.19.7 Monthly Average All Vehicles Traffic Speeds

**Table 4-133 Site: NTC00802 Average Monthly Traffic Speeds (KPH) (All Vehicles) – August 2012 to September 2013**

Counter	Location	Date	NB
NTC00802	A90 Northbound (West of Barnton)	Aug-12	71
		Sep-12	72
		Oct-12	71
		Nov-12	72
		Dec-12	72
		Jan-13	72
		Feb-13	73
		Mar-13	74
		Apr-13	73
		May-13	73
		Jun-13	73
		Jul-13	72
		Aug-13	72
Sep-13	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 2012 to September 2013

Counter	Location	Date	SB
NTC00803	A90 Southbound (West of Barnton)	Aug-11	No Data
		Aug-12	19,651
		Sep-12	18,419
		Oct-12	18,699
		Nov-12	18,866
		Dec-12	16,727
		Jan-13	15,665
		Feb-13	16,973
		Mar-13	16,257
		Apr-13	17,653
		May-13	18,316
		Jun-13	18,296
		Jul-13	17,908
		Aug-13	19,317
		Sep-13	17,814
<b>Annual Average</b>			<b>17,786</b>

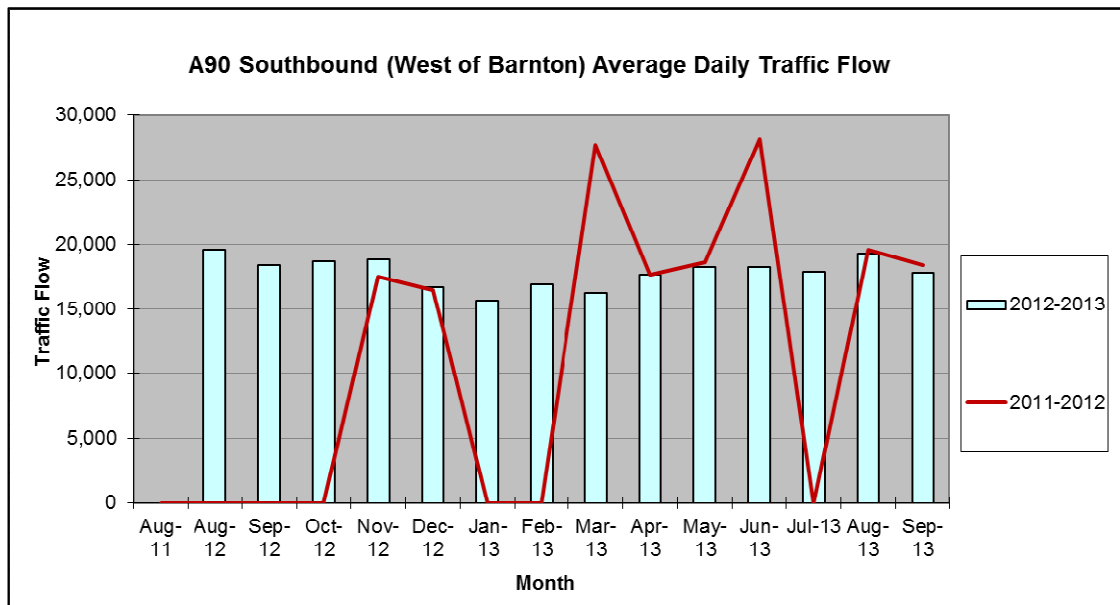


Figure 4-302 Monthly AADTs on the A90 Southbound (West of Barnton)

### 4.20.2 Monthly Average AM Peak Traffic Flows

Table 4-135 Site: NTC00803 AM Peak Traffic Flows – August 2012 to September 2013

Counter	Location	Date	SB
NTC00803	A90 Southbound (West of Barnton)	Aug-11	No Data
		Aug-12	4,260
		Sep-12	4,053
		Oct-12	4,236
		Nov-12	4,532
		Dec-12	3,440
		Jan-13	3,766
		Feb-13	4,038
		Mar-13	3,442
		Apr-13	3,956
		May-13	4,186
		Jun-13	4,031
		Jul-13	3,880
		Aug-13	4,080
		Sep-13	3,887
		<b>Annual Average</b>	<b>3,985</b>

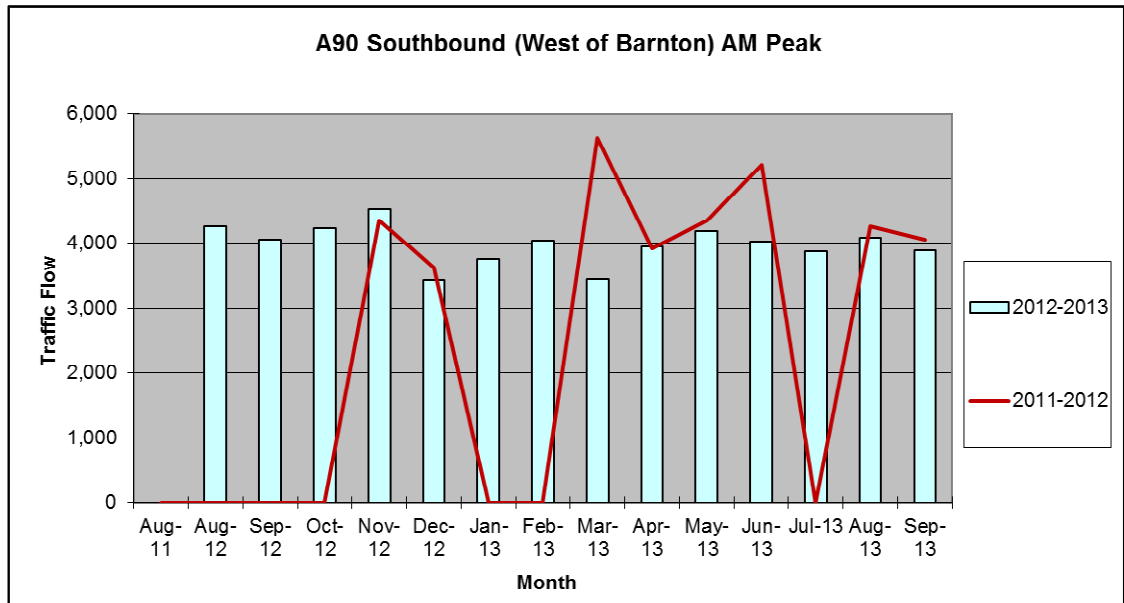


Figure 4-303 Monthly Southbound AM Peak Flows on the A90 Southbound (West of Barnton)



### 4.20.3 Monthly Average PM Peak Traffic Flows

Table 4-136 Site: NTC00803 PM Peak Traffic Flows – August 2012 to September 2013

Counter	Location	Date	SB
NTC00803	A90 Southbound (West of Barnton)	Aug-11	No Data
		Aug-12	4,512
		Sep-12	4,178
		Oct-12	4,213
		Nov-12	4,155
		Dec-12	3,425
		Jan-13	3,457
		Feb-13	3,759
		Mar-13	3,687
		Apr-13	4,053
		May-13	4,140
		Jun-13	4,105
		Jul-13	4,000
		Aug-13	4,393
		Sep-13	4,161
		<b>Annual Average</b>	<b>3,974</b>

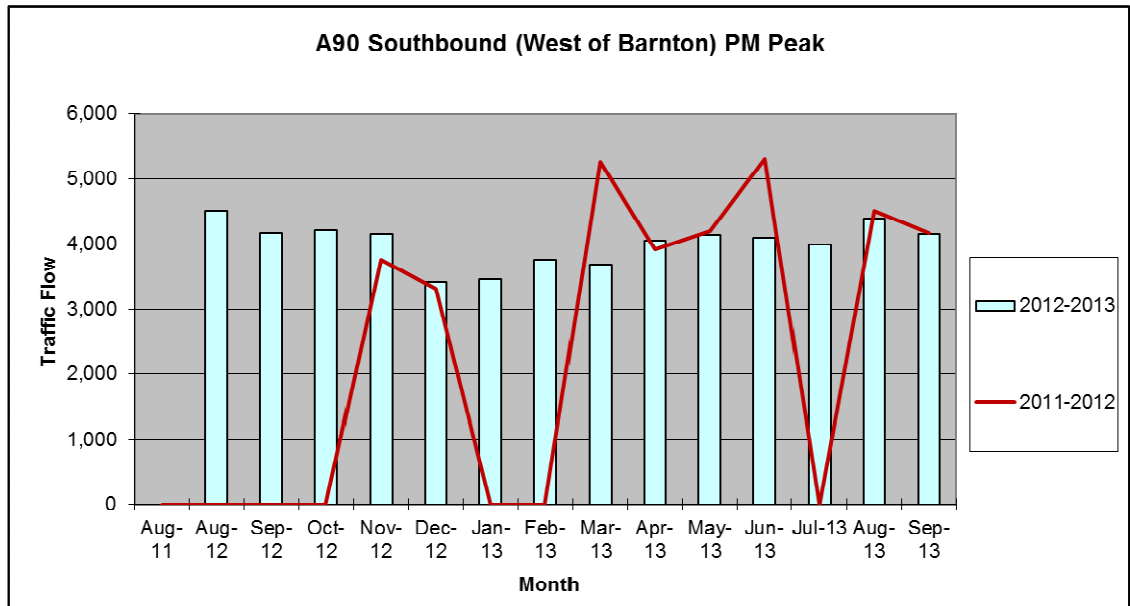


Figure 4-304 Monthly PM Peak Flows on the A90 Southbound (West of Barnton)

### 4.20.4 Monthly Average HGV Flows

Table 4-137 Site: NTC00803 Annual HGV Traffic Flows – August 2012 to September 2013

Counter	Location	Date	SB
NTC00803	A90 Southbound (West of Barnton)	Aug-11	No Data
		Aug-12	424
		Sep-12	376
		Oct-12	409
		Nov-12	391
		Dec-12	295
		Jan-13	290
		Feb-13	327
		Mar-13	320
		Apr-13	335
		May-13	357
		Jun-13	368
		Jul-13	378
		Aug-13	394
		Sep-13	350
		<b>Annual Average</b>	<b>354</b>

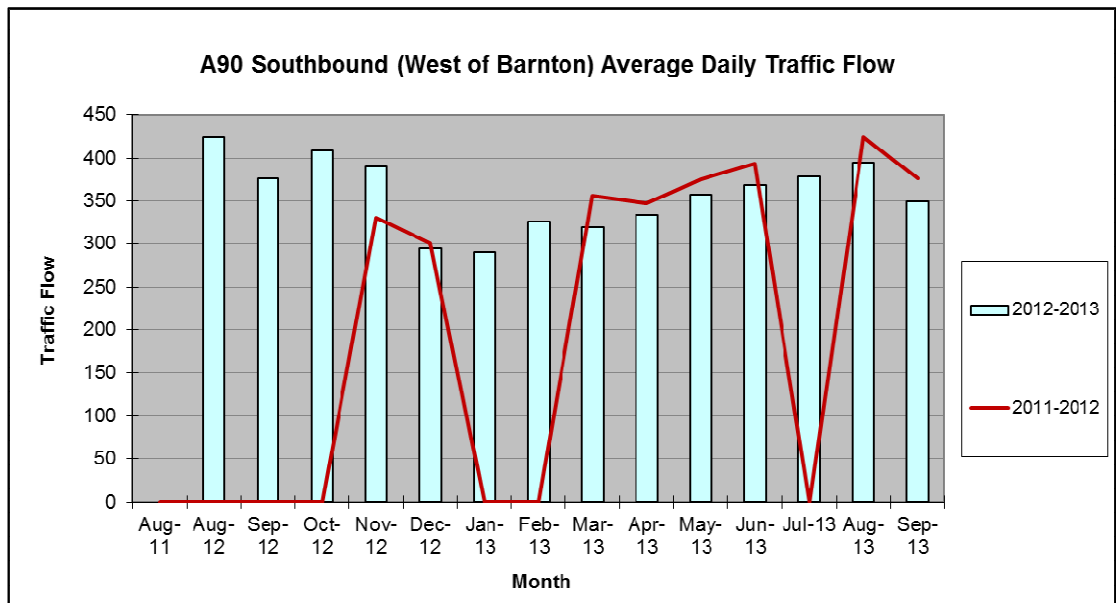


Figure 4-305 Monthly Southbound HGV Flows on the A90 Southbound (West of Barnton)

4.20.5 Monthly Average AM Peak HGV Flows

Table 4-138 Site: NTC00803 AM Peak HGV Traffic Flows – August 2012 to September 2013

Counter	Location	Date	SB
NTC00803	A90 Southbound (West of Barnton)	Aug-11	No Data
		Aug-12	90
		Sep-12	79
		Oct-12	82
		Nov-12	80
		Dec-12	63
		Jan-13	66
		Feb-13	75
		Mar-13	72
		Apr-13	75
		May-13	79
		Jun-13	81
		Jul-13	84
		Aug-13	82
		Sep-13	75

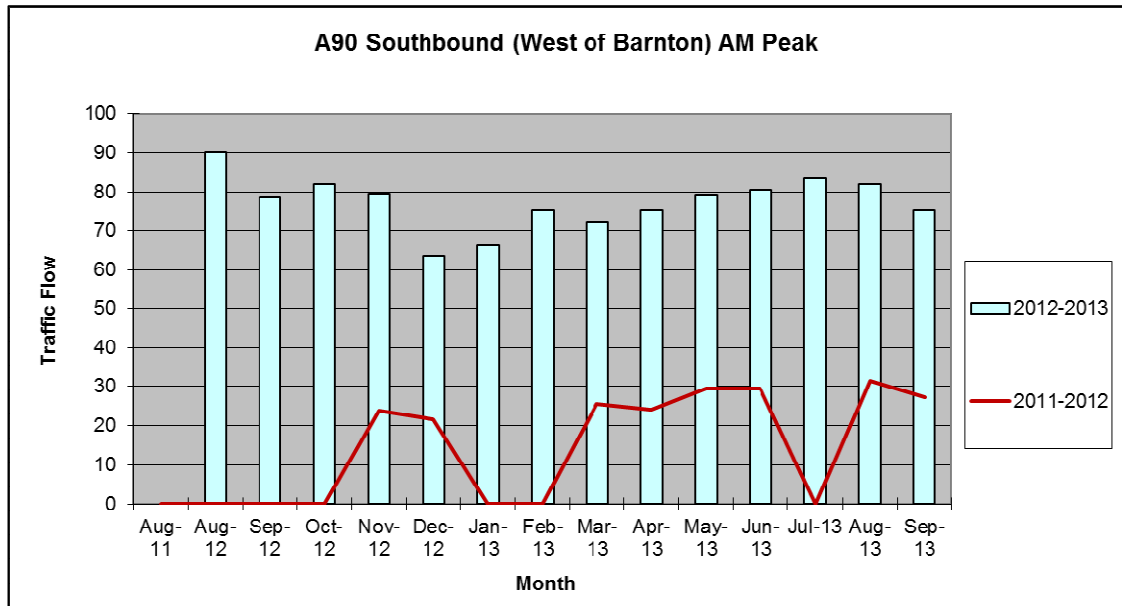


Figure 4-306 Monthly Southbound AM Peak HGV Flows on the A90 Southbound (West of Barnton)

### 4.20.6 Monthly Average PM Peak HGV Flows

Table 4-139 Site: NTC00803 PM Peak HGV Traffic Flows – August 2012 to September 2013

Counter	Location	Date	SB
NTC00803	A90 Southbound (West of Barnton)	Aug-11	No Data
		Aug-12	81
		Sep-12	71
		Oct-12	65
		Nov-12	63
		Dec-12	51
		Jan-13	50
		Feb-13	54
		Mar-13	57
		Apr-13	60
		May-13	65
		Jun-13	69
		Jul-13	68
		Aug-13	76
		Sep-13	66
		<b>Annual Average</b>	<b>62</b>

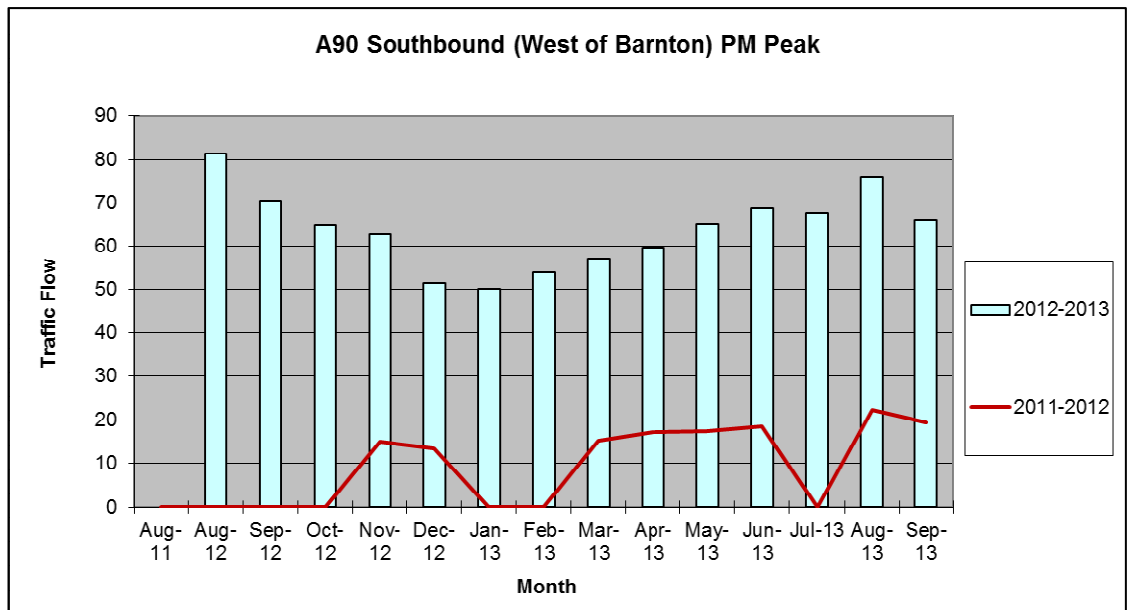
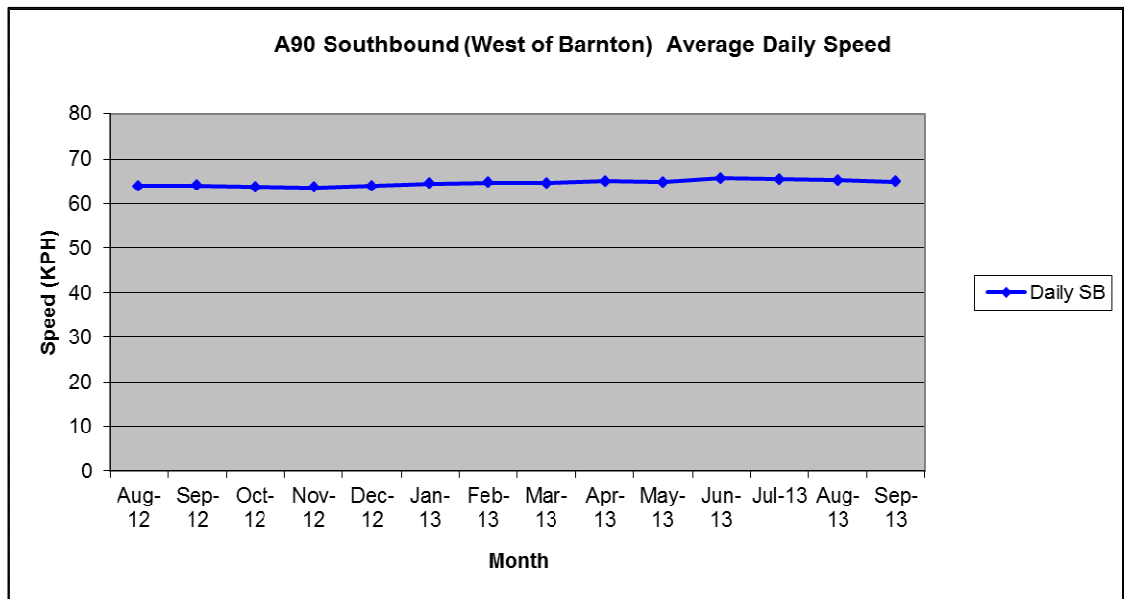


Figure 4-307 Monthly Southbound PM HGV Peak Flows on the A90 Southbound (West of Barnton)

### 4.20.7 Monthly Average All Vehicles Traffic Speeds

**Table 4-140 Site: NTC00803 Average Monthly Traffic Speeds (KPH) (All Vehicles) – August 2012 to September 2013**

Counter	Location	Date	SB
NTC00803	A90 Southbound (West of Barnton)	Aug-12	64
		Sep-12	64
		Oct-12	64
		Nov-12	64
		Dec-12	64
		Jan-13	64
		Feb-13	64
		Mar-13	64
		Apr-13	65
		May-13	65
		Jun-13	65
		Jul-13	65
		Aug-13	65
		Sep-13	65



**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 2012 to September 2013

Counter	Location	Date	EB	WB	Two Way
NTCNT010	A8 West of A720 City Bypass (Gogar)	Aug-11	21,732	21,080	42,812
		Aug-12	22,569	21,542	44,111
		Sep-12	22,167	21,166	43,333
		Oct-12	21,733	21,095	42,828
		Nov-12	21,803	20,395	42,198
		Dec-12	18,669	17,975	36,644
		Jan-13	19,192	17,921	37,113
		Feb-13	21,006	20,054	41,060
		Mar-13	21,171	20,118	41,289
		Apr-13	21,809	20,899	42,708
		May-13	22,918	22,038	44,956
		Jun-13	23,048	22,209	45,257
		Jul-13	22,673	21,912	44,585
		Aug-13	23,051	22,376	45,427
		Sep-13	22,848	21,950	44,798
			<b>Annual Average</b>		<b>21,472</b>

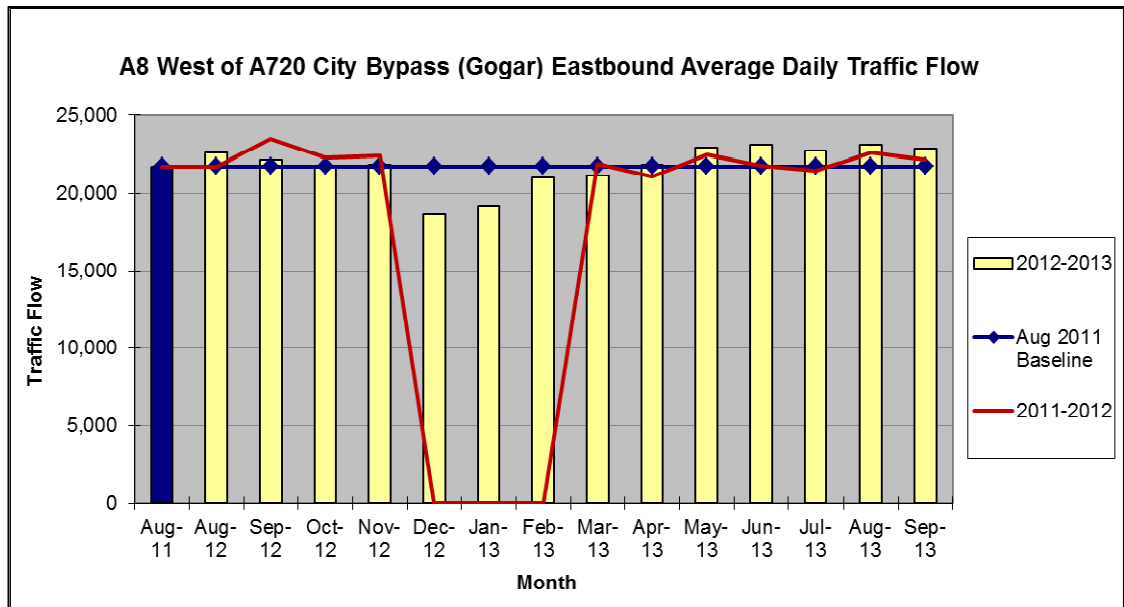


Figure 4-309 Monthly Eastbound AADTs on the A8 West of A720 City Bypass (Gogar)

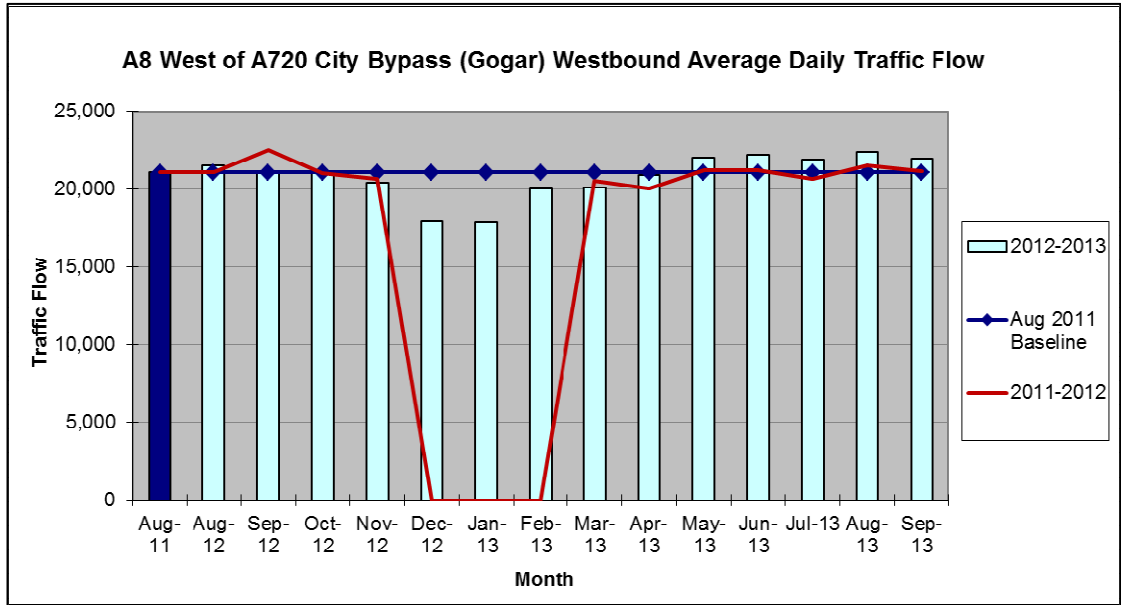


Figure 4-310 Monthly Westbound AADTs on the A8 West of A720 City Bypass (Gogar)

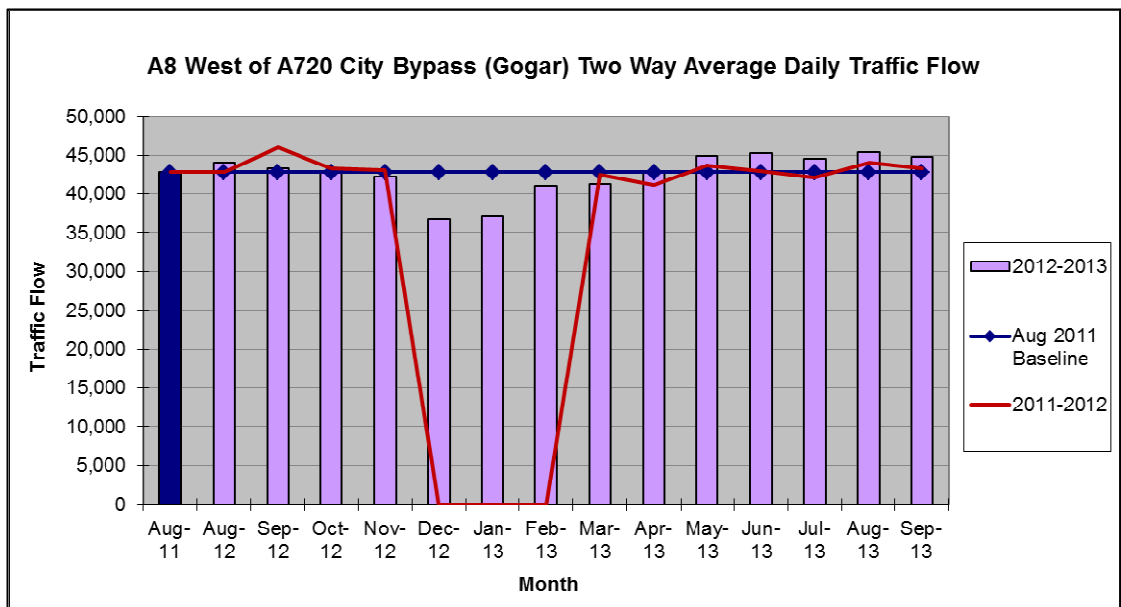


Figure 4-311 Monthly Two Way Daily Traffic Flows on the A8 West of A720 City Bypass (Gogar)

### 4.21.2 Monthly Average AM Peak Traffic Flows

Table 4-142 Site: NTCNT010 AM Peak Traffic Flows – August 2012 to September 2013

Counter	Location	Date	EB	WB	Two Way
NTCNT010	A8 West of A720 City Bypass (Gogar)	Aug-11	4,708	3,509	8,217
		Aug-12	5,244	3,741	8,985
		Sep-12	5,113	3,684	8,797
		Oct-12	5,311	3,674	8,985
		Nov-12	5,499	3,751	9,249
		Dec-12	4,164	3,000	7,164
		Jan-13	4,940	3,209	8,150
		Feb-13	5,367	3,581	8,948
		Mar-13	5,224	3,512	8,736
		Apr-13	5,299	3,687	8,986
		May-13	5,533	3,934	9,467
		Jun-13	5,154	4,076	9,230
		Jul-13	5,320	3,811	9,131
		Aug-13	5,282	3,875	9,157
		Sep-13	5,370	3,833	9,202
	<b>Annual Average</b>		<b>5,175</b>	<b>3,629</b>	<b>8,804</b>

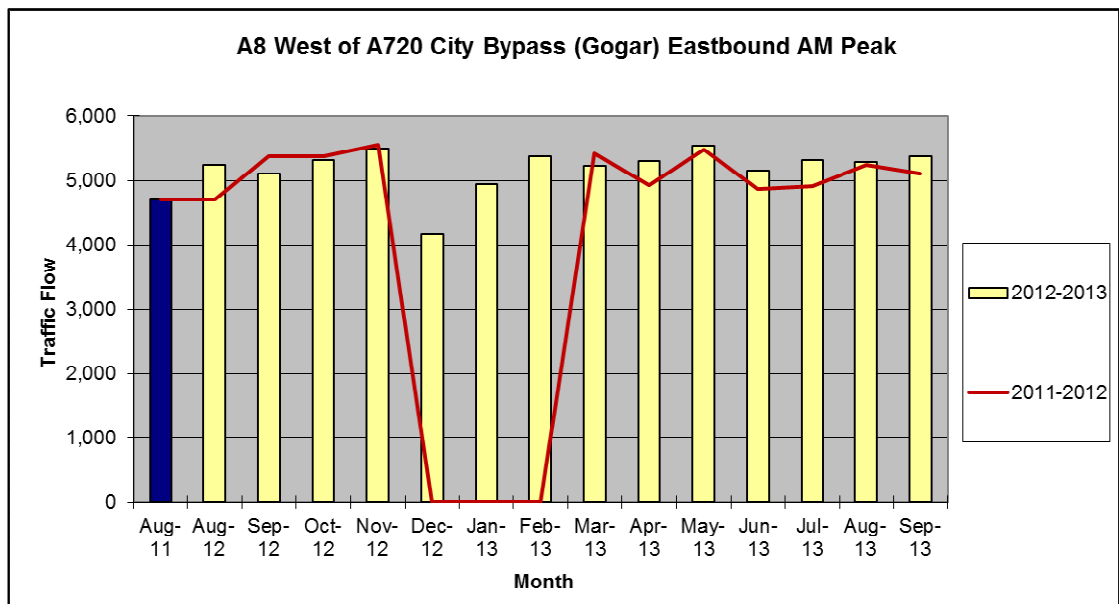


Figure 4-312 Monthly Eastbound AM Peak Flows on the A8 West of A720 City Bypass (Gogar)



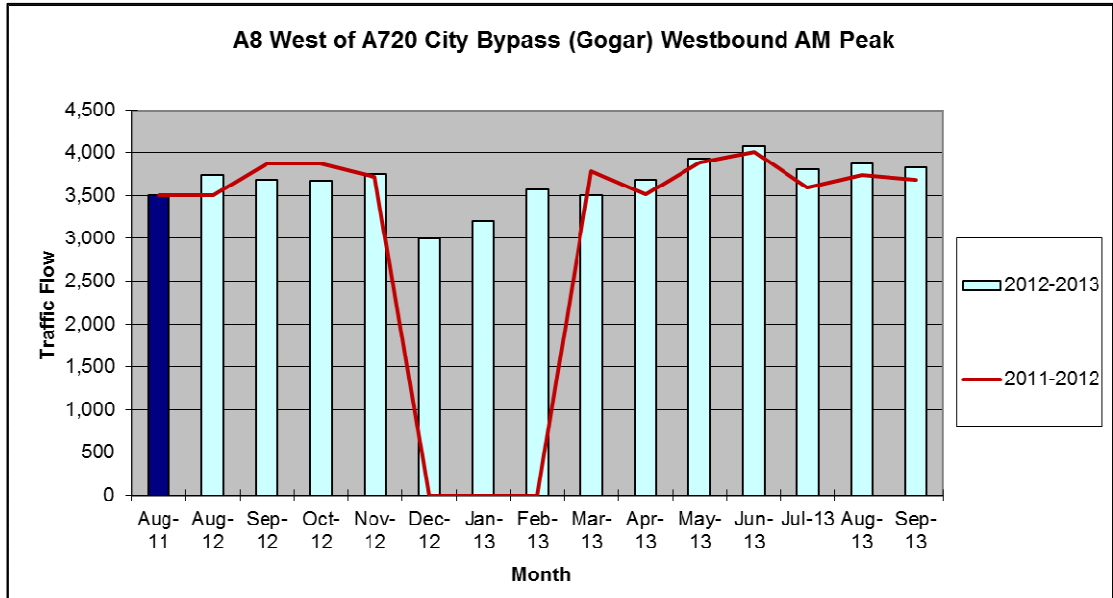


Figure 4-313 Monthly Westbound AM Peak Flows on the A8 West of A720 City Bypass (Gogar)

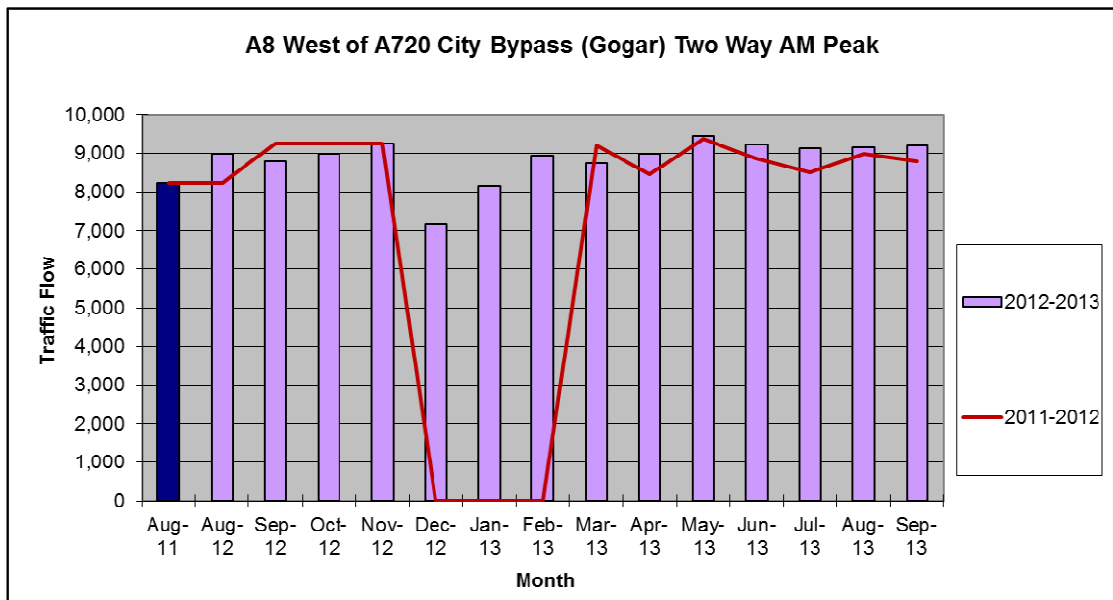


Figure 4-314 Monthly Two Way AM Peak Flows on the A8 West of A720 City Bypass (Gogar)

### 4.21.3 Monthly Average PM Peak Traffic Flows

Table 4-143 Site: NTCNT010 PM Peak Traffic Flows – August 2012 to September 2013

Counter	Location	Date	EB	WB	Two Way
NTCNT010	A8 West of A720 City Bypass (Gogar)	Aug-11	4,578	4,468	9,045
		Aug-12	4,682	4,543	9,225
		Sep-12	4,498	4,427	8,925
		Oct-12	4,486	4,562	9,047
		Nov-12	4,498	4,282	8,780
		Dec-12	3,580	3,595	7,175
		Jan-13	3,913	4,073	7,986
		Feb-13	4,273	4,620	8,894
		Mar-13	4,129	4,393	8,522
		Apr-13	4,476	4,671	9,147
		May-13	4,660	4,731	9,391
		Jun-13	4,750	4,513	9,263
		Jul-13	4,467	4,691	9,158
		Aug-13	4,618	4,727	9,345
		Sep-13	4,603	4,722	9,326
		<b>Annual Average</b>	<b>4,339</b>	<b>4,414</b>	<b>8,753</b>

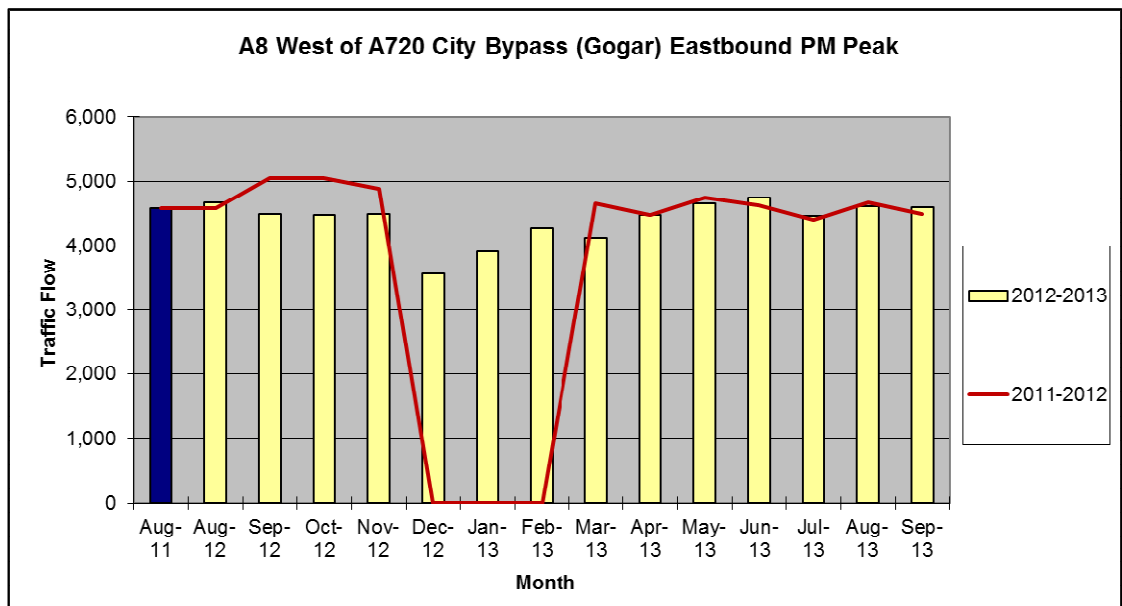


Figure 4-315 Monthly Eastbound PM Peak Flows on the A8 West of A720 City Bypass (Gogar)

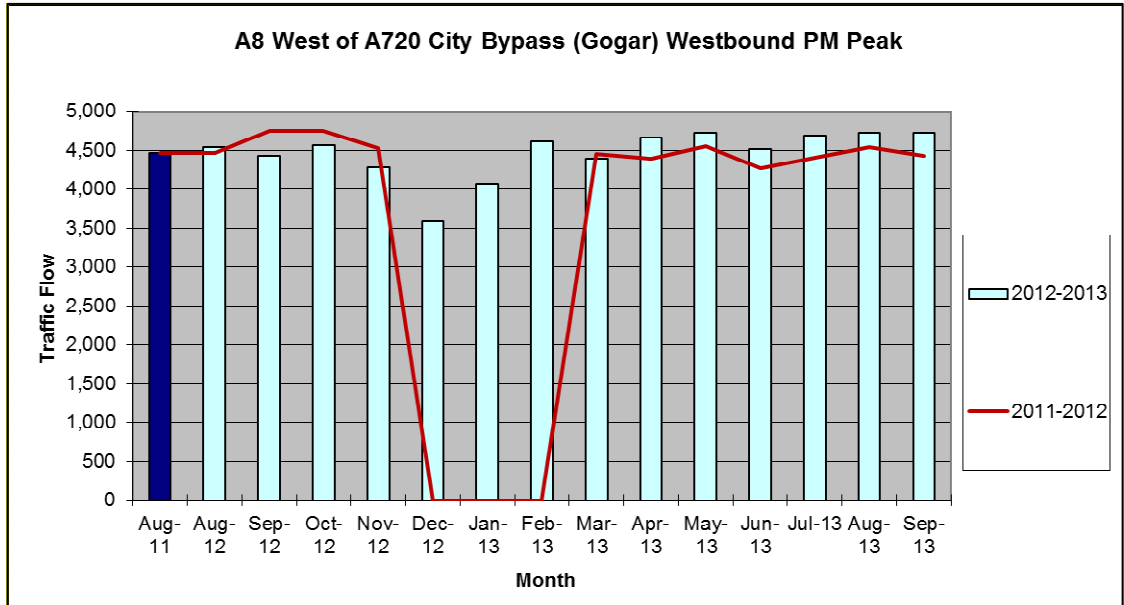


Figure 4-316 Monthly Westbound PM Peak Flows on the A8 West of A720 City Bypass (Gogar)

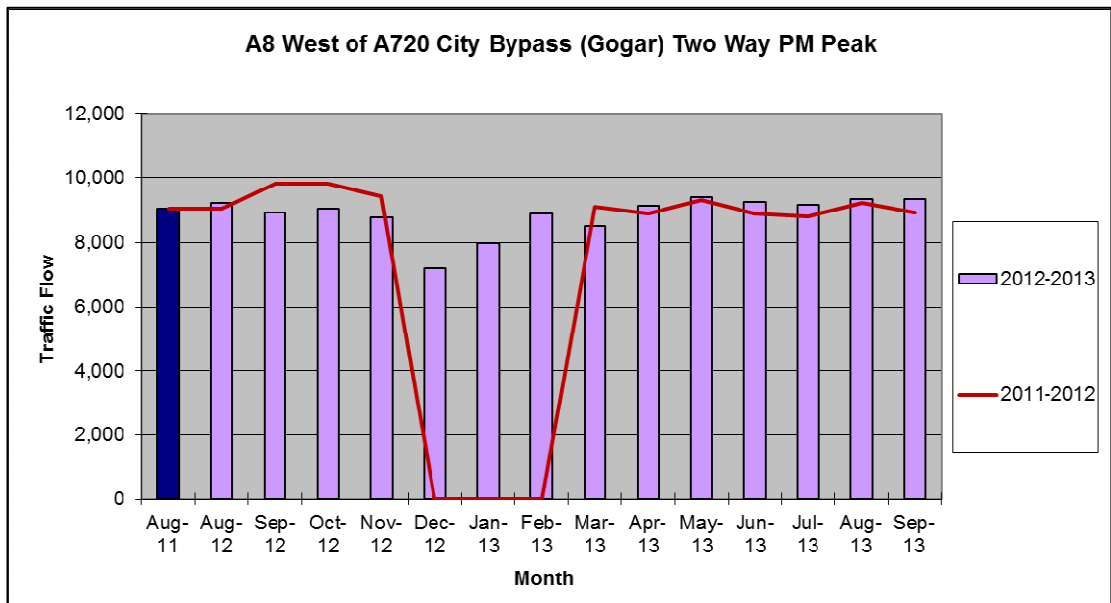


Figure 4-317 Monthly Two Way PM Peak Flows on the A8 West of A720 City Bypass (Gogar)

### 4.21.4 Monthly Average HGV Flows

Table 4-144 Site: NTCNT010 Annual HGV Traffic Flows – August 2012 to September 2013

Counter	Location	Date	EB	WB	Two Way
NTCNT010	A8 West of A720 City Bypass (Gogar)	Aug-11	780	6,379	7,159
		Aug-12	No Data	7,301	No Data
		Sep-12	No Data	6,868	No Data
		Oct-12	No Data	6,716	No Data
		Nov-12	No Data	6,266	No Data
		Dec-12	No Data	5,629	No Data
		Jan-13	No Data	5,544	No Data
		Feb-13	No Data	6,103	No Data
		Mar-13	No Data	6,283	No Data
		Apr-13	No Data	6,806	No Data
		May-13	No Data	7,238	No Data
		Jun-13	No Data	7,382	No Data
		Jul-13	No Data	7,226	No Data
		Aug-13	No Data	7,407	No Data
		Sep-13	No Data	6,872	No Data
		<b>Annual Average</b>	<b>No Data</b>	<b>6,614</b>	<b>No Data</b>

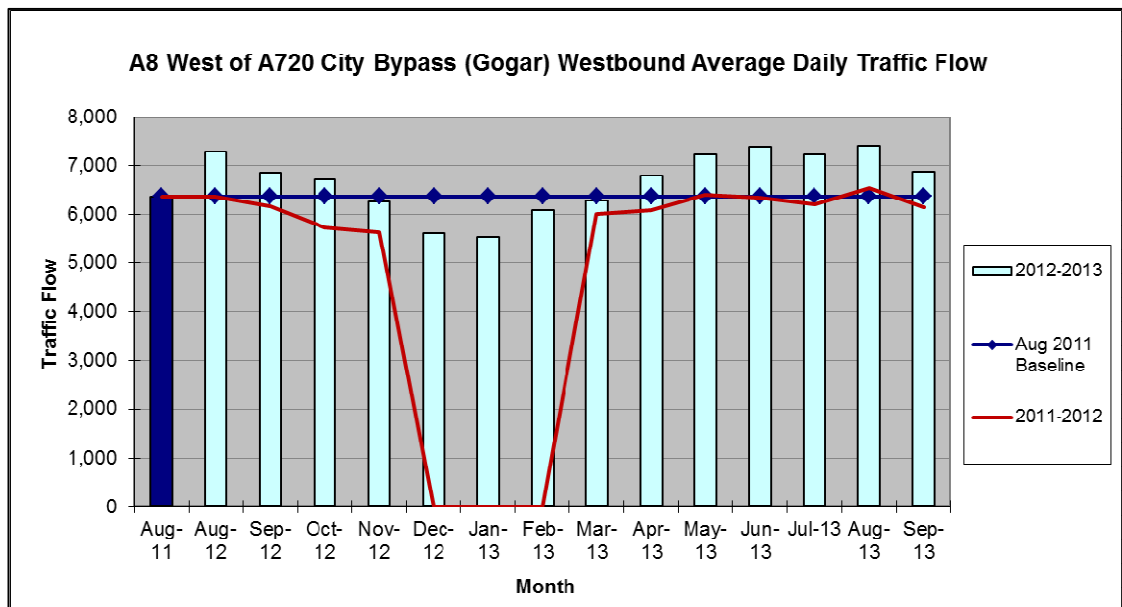


Figure 4-318 Monthly Westbound HGV Flows on the A8 West of A720 City Bypass (Gogar)

### 4.21.5 Monthly Average AM Peak HGV Flows

Table 4-145 Site: NTCNT010 AM Peak HGV Traffic Flows – August 2012 to September 2013

Counter	Location	Date	EB	WB	Two Way
NTCNT010	A8 West of A720 City Bypass (Gogar)	Aug-11	52	350	402
		Aug-12	No Data	1,197	No Data
		Sep-12	No Data	1,146	No Data
		Oct-12	No Data	1,101	No Data
		Nov-12	No Data	1,096	No Data
		Dec-12	No Data	869	No Data
		Jan-13	No Data	940	No Data
		Feb-13	No Data	1,041	No Data
		Mar-13	No Data	1,058	No Data
		Apr-13	No Data	1,144	No Data
		May-13	No Data	1,248	No Data
		Jun-13	No Data	1,282	No Data
		Jul-13	No Data	1,207	No Data
		Aug-13	No Data	1,224	No Data
		Sep-13	No Data	1,155	No Data
		<b>Annual Average</b>	<b>No Data</b>	<b>1,111</b>	<b>No Data</b>

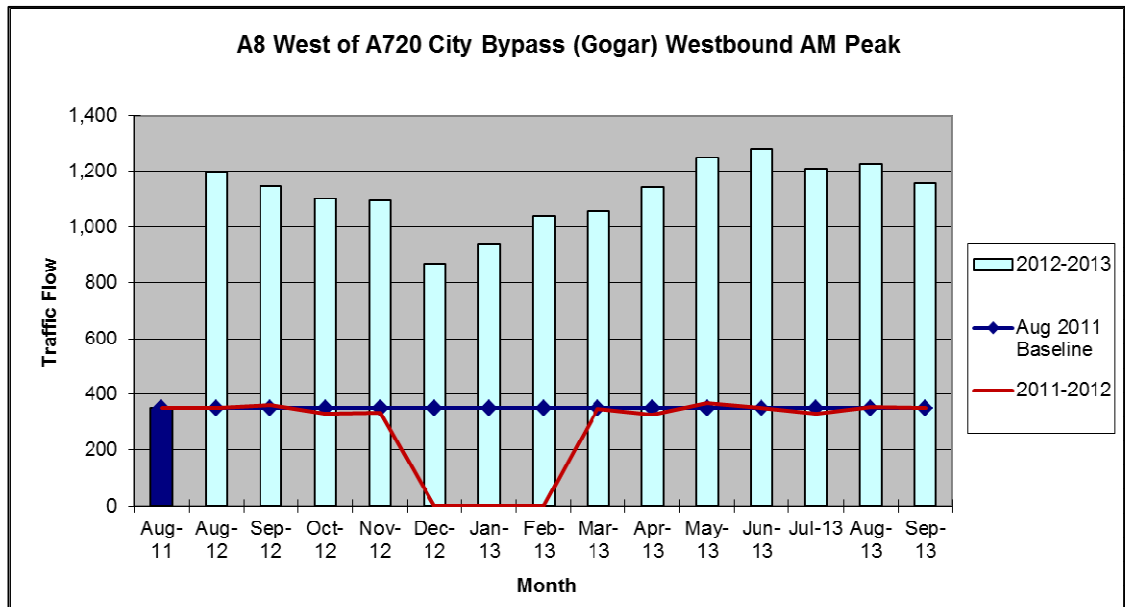


Figure 4-319 Monthly Westbound AM Peak HGV Flows on the A8 West of A720 City Bypass (Gogar)

### 4.21.6 Monthly Average PM Peak HGV Flows

Table 4-146 Site: NTCNT010 PM Peak HGV Traffic Flows – August 2012 to September 2013

Counter	Location	Date	EB	WB	Two Way
NTCNT010	A8 West of A720 City Bypass (Gogar)	Aug-11	42	382	424
		Aug-12	No Data	1,510	No Data
		Sep-12	No Data	1,404	No Data
		Oct-12	No Data	1,381	No Data
		Nov-12	No Data	1,208	No Data
		Dec-12	No Data	1,057	No Data
		Jan-13	No Data	1,168	No Data
		Feb-13	No Data	1,292	No Data
		Mar-13	No Data	1,311	No Data
		Apr-13	No Data	1,447	No Data
		May-13	No Data	1,479	No Data
		Jun-13	No Data	1,472	No Data
		Jul-13	No Data	1,500	No Data
		Aug-13	No Data	1,514	No Data
		Sep-13	No Data	1,411	No Data
				<b>Annual Average</b>	<b>No Data</b>

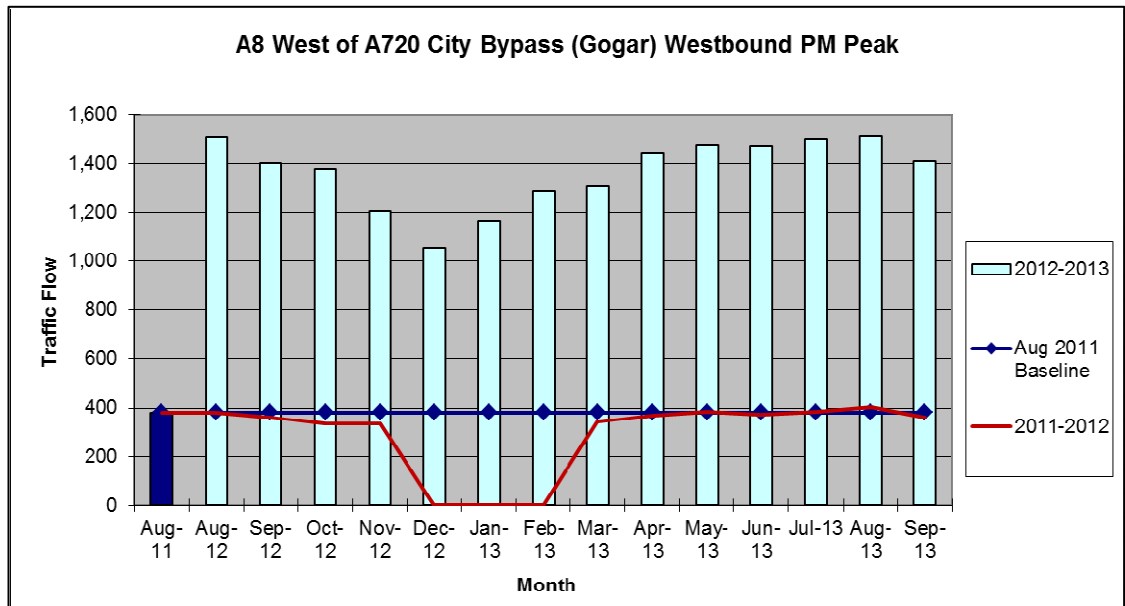


Figure 4-320 Monthly Westbound PM Peak HGV Flows on the A8 West of A720 City Bypass (Gogar)

4.21.7 Monthly Average All Vehicles Traffic Speeds

Table 4-147 Site: NTCNT010 Average Monthly Traffic Speeds (KPH) (All Vehicles) – August 2012 to September 2013

Counter	Location	Date	EB	WB
NTCNT010	A8 West of A720 City Bypass (Gogar)	Aug-12	69	98
		Sep-12	69	97
		Oct-12	69	97
		Nov-12	67	95
		Dec-12	68	96
		Jan-13	68	95
		Feb-13	68	94
		Mar-13	67	95
		Apr-13	70	98
		May-13	69	97
		Jun-13	68	97
		Jul-13	69	96
		Aug-13	68	96
Sep-13	68	95		

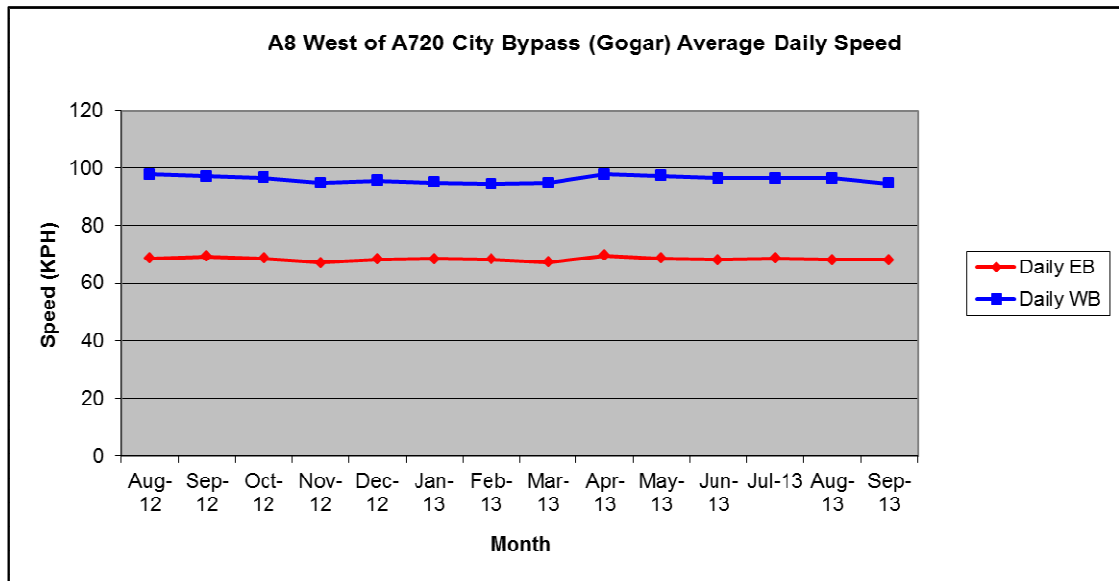


Figure 4-321 Average Monthly Traffic Speeds (KPH) on the A8 West of A720 City Bypass (Gogar)

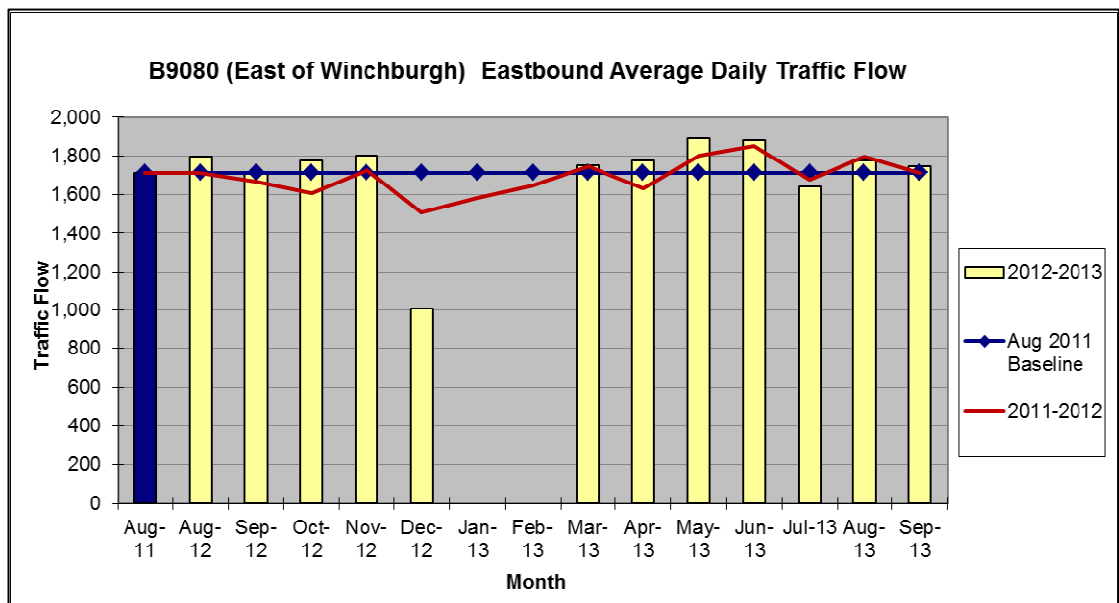
**5 B-Road Automatic Traffic Counter Data**

**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 2012 to September 2013*

Counter	Location	Date	EB	WB	Two Way
JTC00396	B9080 (East of Winchburgh)	Aug-11	1,712	1,729	3,441
		Aug-12	1,795	1,750	3,545
		Sep-12	1,714	1,649	3,363
		Oct-12	1,775	1,694	3,469
		Nov-12	1,800	1,689	3,489
		Dec-12	1,007	987	1,993
		Jan-13	No Data	No Data	No Data
		Feb-13	No Data	No Data	No Data
		Mar-13	1,752	1,677	3,429
		Apr-13	1,775	1,686	3,461
		May-13	1,889	1,798	3,687
		Jun-13	1,883	1,804	3,687
		Jul-13	1,643	1,549	3,192
		Aug-13	1,777	1,745	3,522
		Sep-13	1,749	1,699	3,448
			<b>Annual Average</b>		<b>1,703</b>



**Figure 5-1 Monthly Eastbound AADTs on the B9080 (East of Winchburgh)**



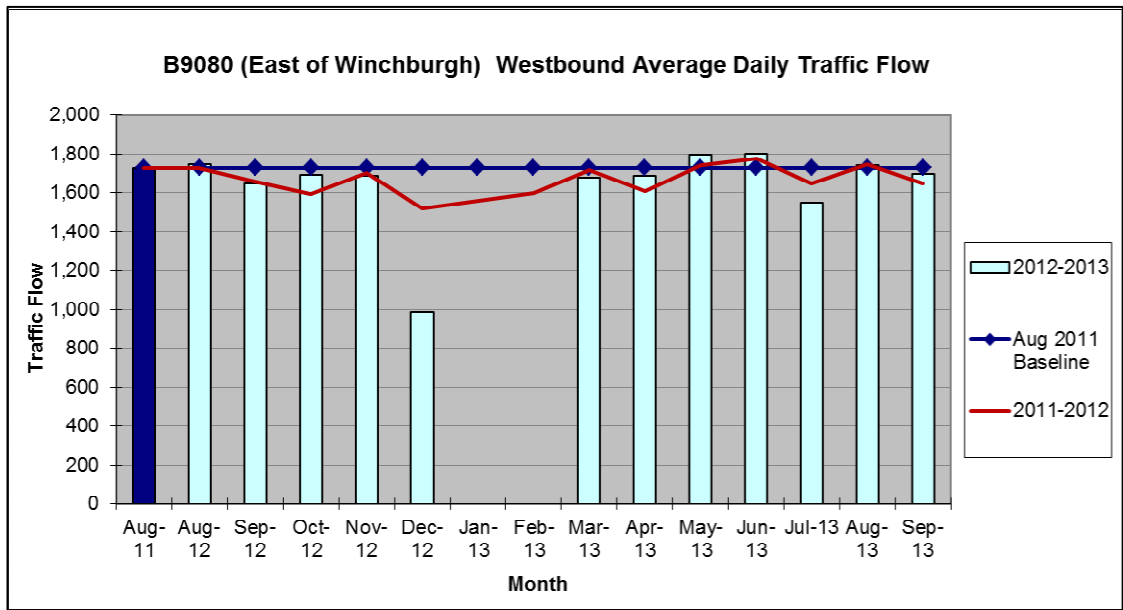


Figure 5-2 Monthly Westbound AADTs on the B9080 (East of Winchburgh)

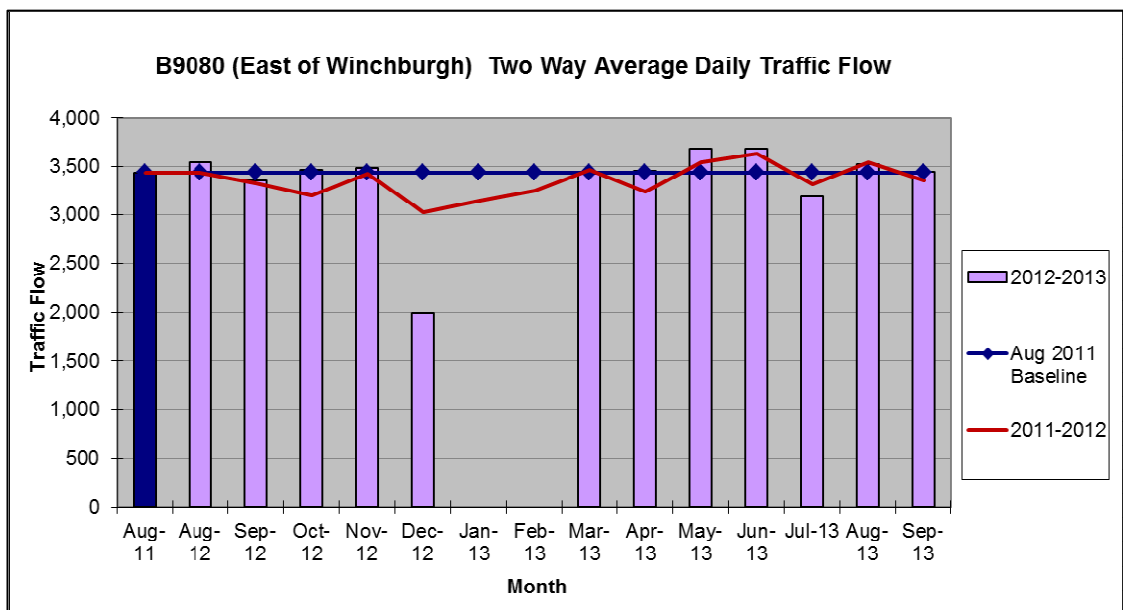


Figure 5-3 Monthly Two Way Daily Traffic Flows on the B9080 (East of Winchburgh)

### 5.1.2 Monthly Average AM Peak Traffic Flows

Table 5-2 Site: JTC00396 AM Peak Traffic Flows – August 2012 to September 2013

Counter	Location	Date	AM	PM	Two Way
JTC00396	B9080 (East of Winchburgh)	Aug-11	450	208	658
		Aug-12	479	218	697
		Sep-12	459	214	674
		Oct-12	500	228	729
		Nov-12	518	229	747
		Dec-12	222	109	331
		Jan-13	No Data	No Data	No Data
		Feb-13	No Data	No Data	No Data
		Mar-13	454	228	682
		Apr-13	454	234	688
		May-13	492	250	742
		Jun-13	465	252	717
		Jul-13	401	180	581
		Aug-13	435	230	664
		Sep-13	451	239	690
	<b>Annual Average</b>		<b>444</b>	<b>214</b>	<b>659</b>

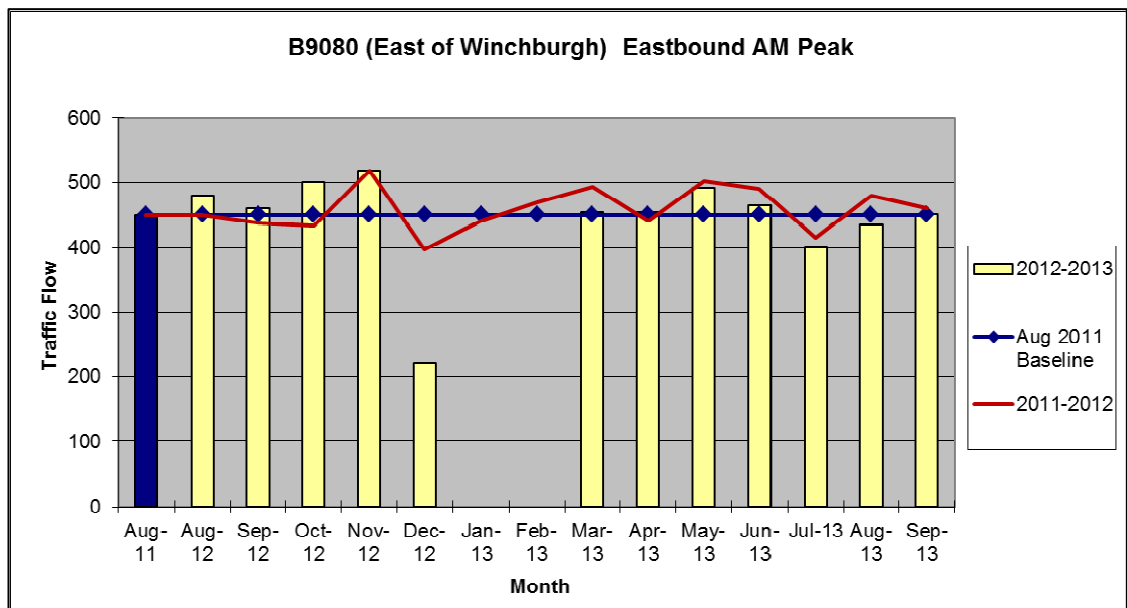


Figure 5-4 Monthly Eastbound AM Peak Flows on the B9080 (East of Winchburgh)

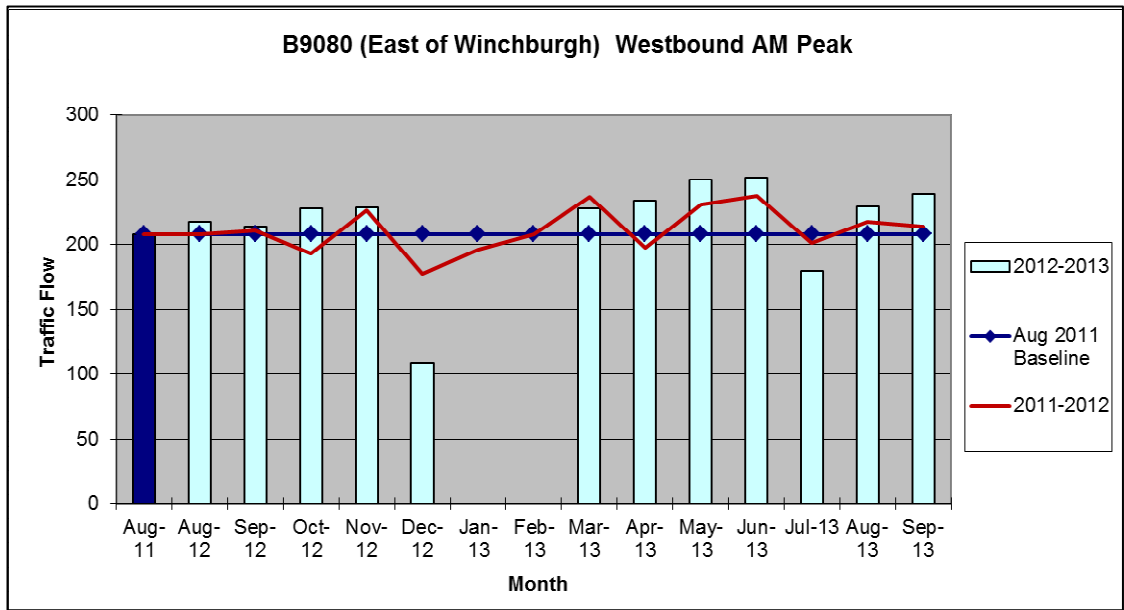


Figure 5-5 Monthly Westbound AM Peak Flows on the B9080 (East of Winchburgh)

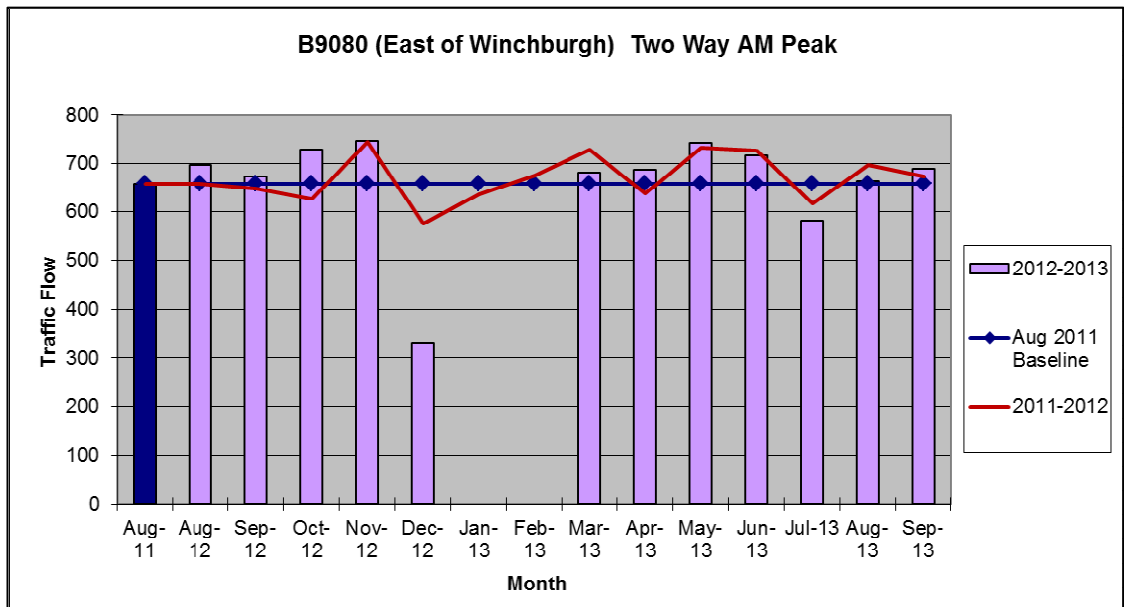


Figure 5-6 Monthly Two Way AM Peak Flows on the B9080 (East of Winchburgh)

### 5.1.3 Monthly Average PM Peak Traffic Flows

Table 5-3 Site: JTC00396 PM Peak Traffic Flows – August 2012 to September 2013

Counter	Location	Date	EB	WB	Two Way
JTC00396	B9080 (East of Winchburgh)	Aug-11	346	522	868
		Aug-12	361	490	851
		Sep-12	348	452	800
		Oct-12	358	470	828
		Nov-12	378	477	856
		Dec-12	191	240	431
		Jan-13	No Data	No Data	No Data
		Feb-13	No Data	No Data	No Data
		Mar-13	328	416	744
		Apr-13	350	449	799
		May-13	369	473	843
		Jun-13	377	475	851
		Jul-13	342	436	778
		Aug-13	355	466	821
		Sep-13	363	463	826
<b>Annual Average</b>			<b>340</b>	<b>438</b>	<b>778</b>

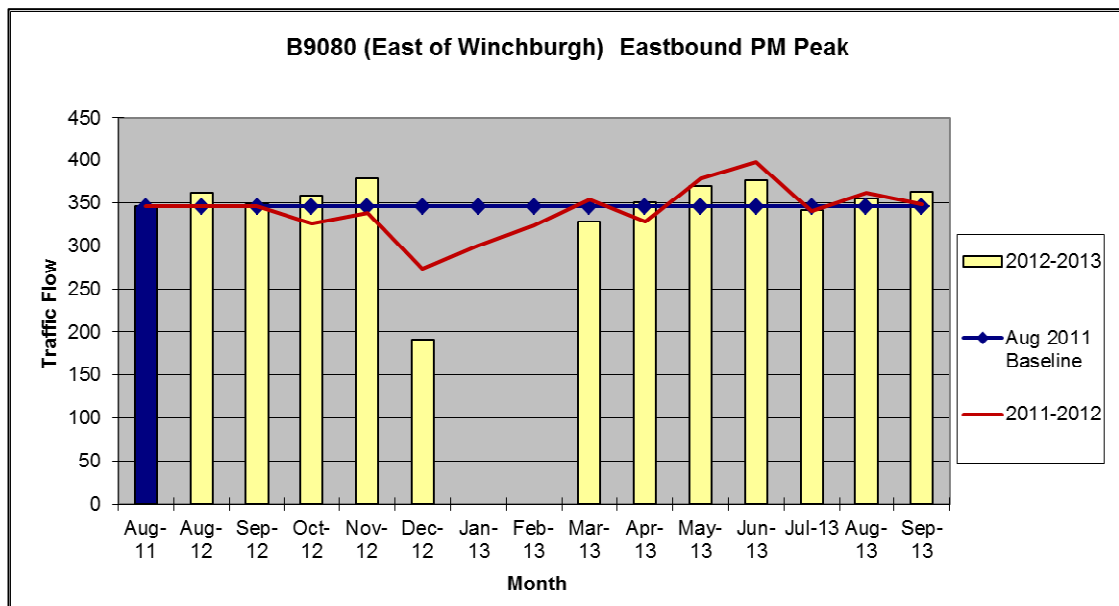


Figure 5-7 Monthly Eastbound PM Peak Flows on the B9080 (East of Winchburgh)

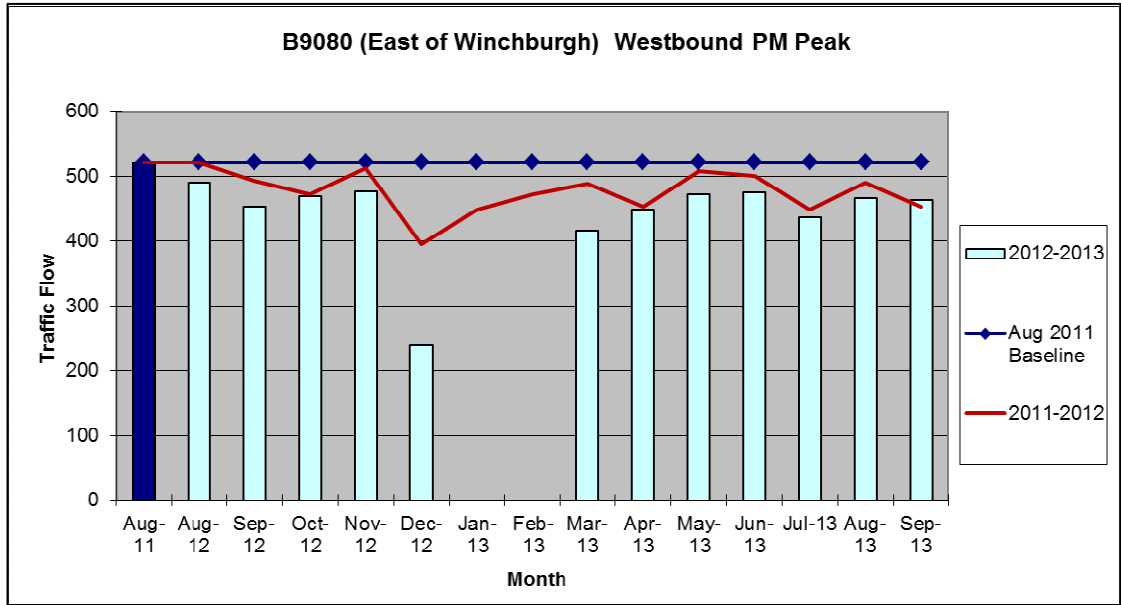


Figure 5-8 Monthly Westbound PM Peak Flows on the B9080 (East of Winchburgh)

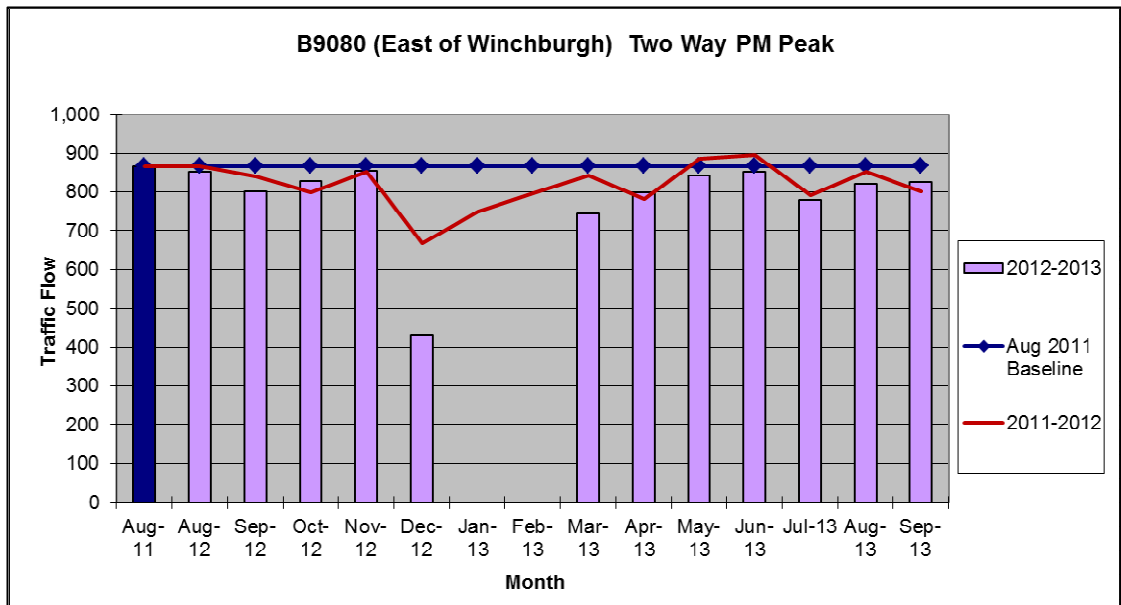


Figure 5-9 Monthly Two Way PM Peak Flows on the B9080 (East of Winchburgh)

### 5.1.4 Monthly Average HGV Flows

Table 5-4 Site: JTC00396 Annual HGV Traffic Flows – August 2012 to September 2013

Counter	Location	Date	EB	WB	Two Way
JTC00396	B9080 (East of Winchburgh)	Aug-11	63	64	127
		Aug-12	64	64	129
		Sep-12	73	72	145
		Oct-12	77	66	143
		Nov-12	74	61	135
		Dec-12	43	36	79
		Jan-13	No Data	No Data	No Data
		Feb-13	No Data	No Data	No Data
		Mar-13	75	64	140
		Apr-13	70	65	135
		May-13	70	68	138
		Jun-13	73	68	141
		Jul-13	60	58	118
		Aug-13	67	67	133
		Sep-13	71	68	139
	<b>Annual Average</b>	<b>68</b>	<b>62</b>	<b>130</b>	

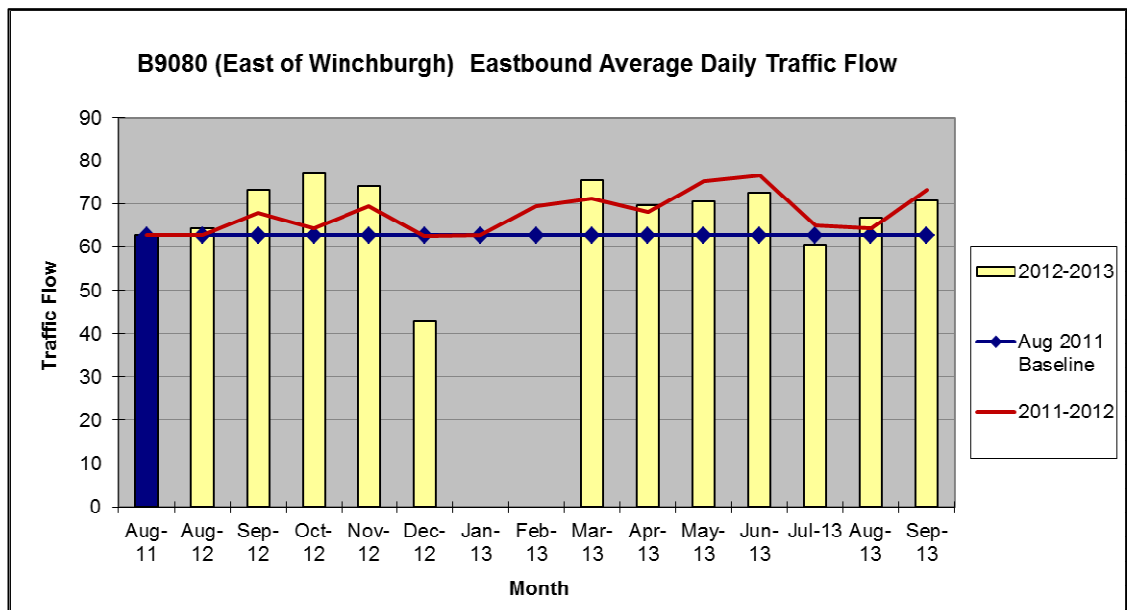


Figure 5-10 Monthly Eastbound HGV Flows on the B9080 (East of Winchburgh)

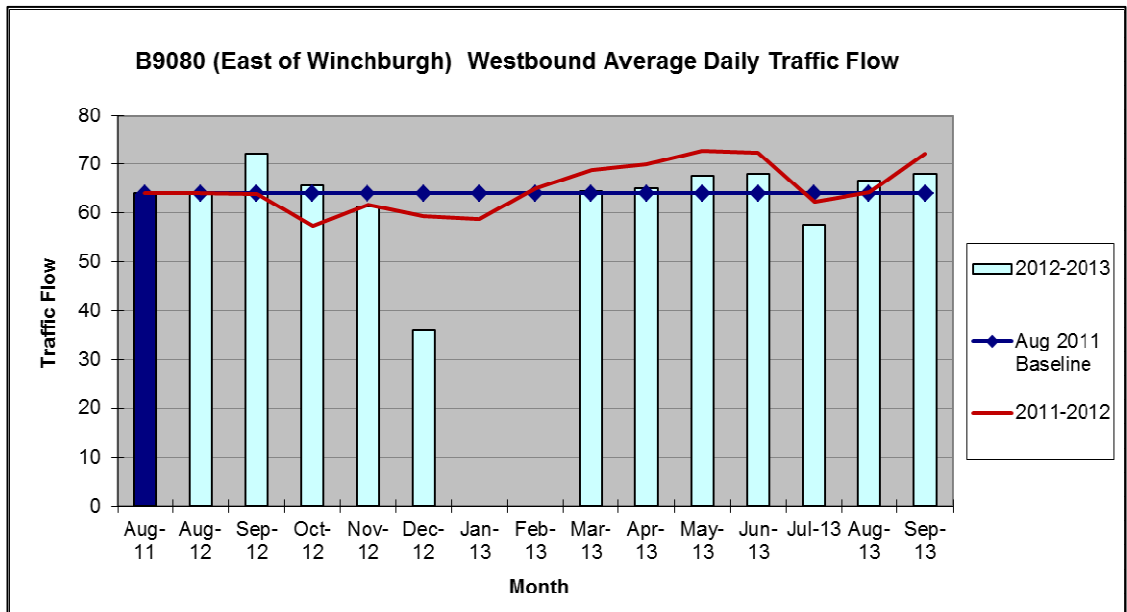


Figure 5-11 Monthly Westbound HGV Flows on the B9080 (East of Winchburgh)

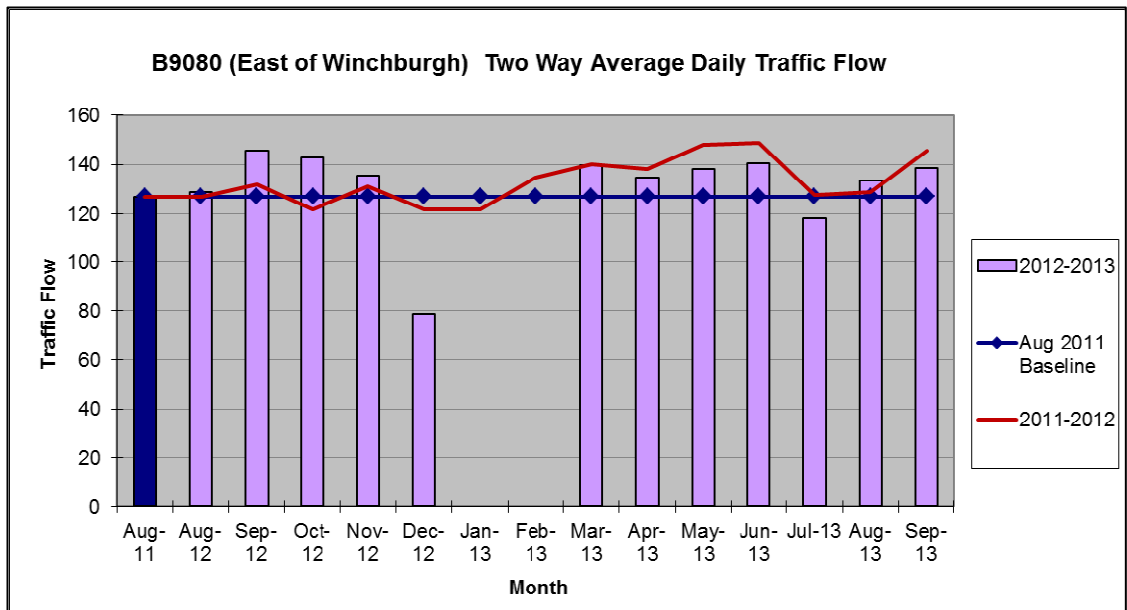


Figure 5-12 Monthly Two Way HGV Flows on the B9080 (East of Winchburgh)

### 5.1.5 Monthly Average AM Peak HGV Flows

Table 5-5 Site: JTC00396 AM Peak HGV Traffic Flows – August 2012 to September 2013

Counter	Location	Date	EB	WB	Two Way
JTC00396	B9080 (East of Winchburgh)	Aug-11	15	12	27
		Aug-12	15	11	26
		Sep-12	17	12	29
		Oct-12	18	14	31
		Nov-12	18	14	32
		Dec-12	11	7	18
		Jan-13	No Data	No Data	No Data
		Feb-13	No Data	No Data	No Data
		Mar-13	20	11	31
		Apr-13	19	12	30
		May-13	20	13	32
		Jun-13	19	13	32
		Jul-13	15	10	26
		Aug-13	17	11	28
		Sep-13	19	13	32
		<b>Annual Average</b>			<b>17</b>

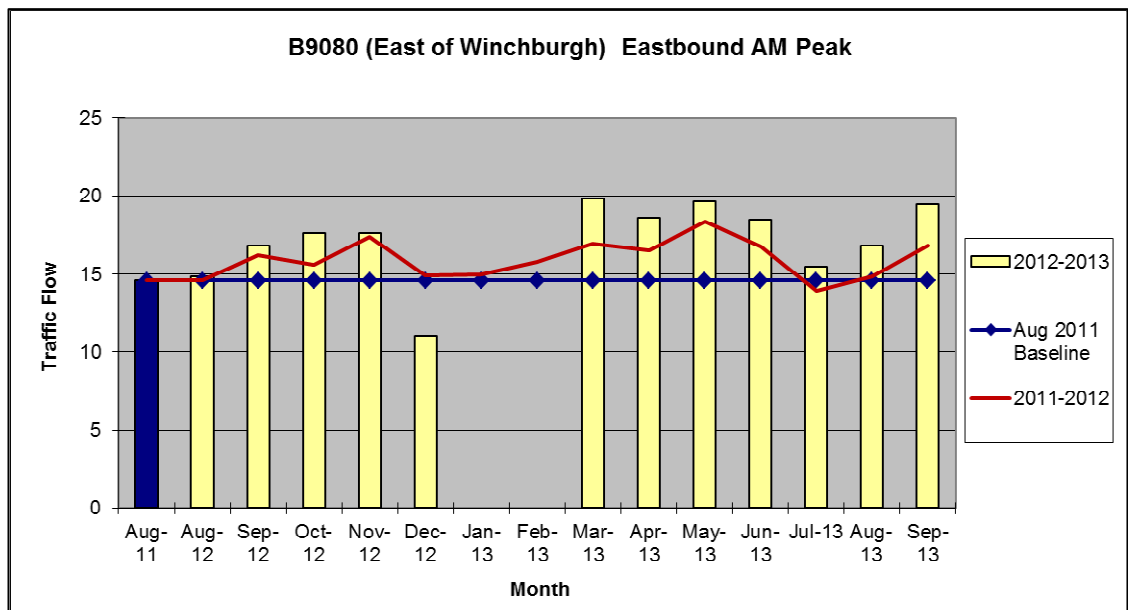


Figure 5-13 Monthly Eastbound AM Peak HGV Flows on the B9080 (East of Winchburgh)



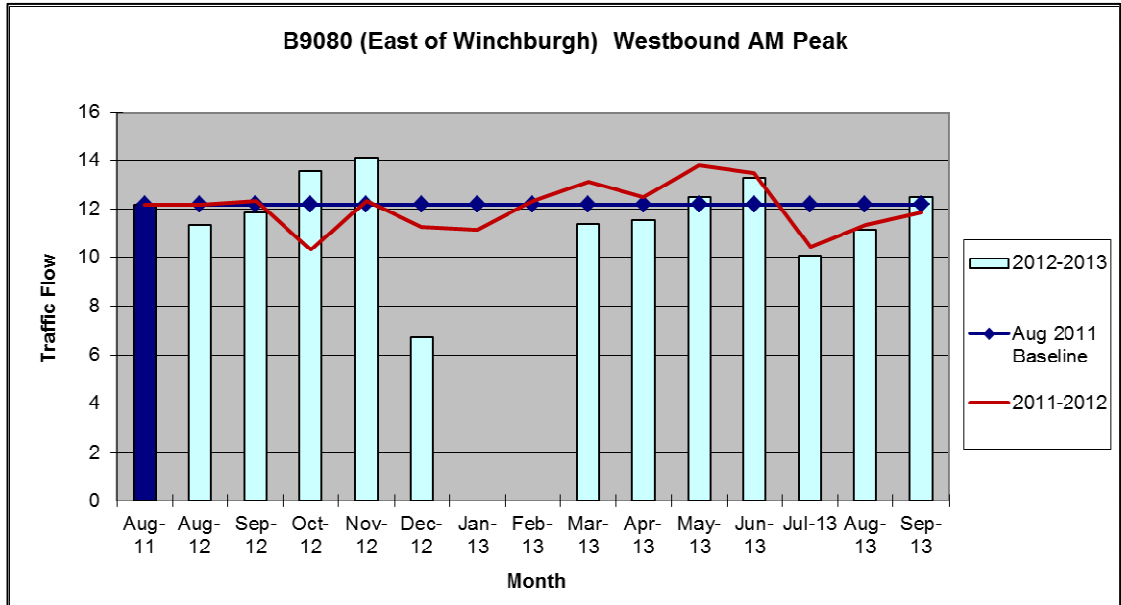


Figure 5-14 Monthly Westbound AM Peak HGV Flows on the B9080 (East of Winchburgh)

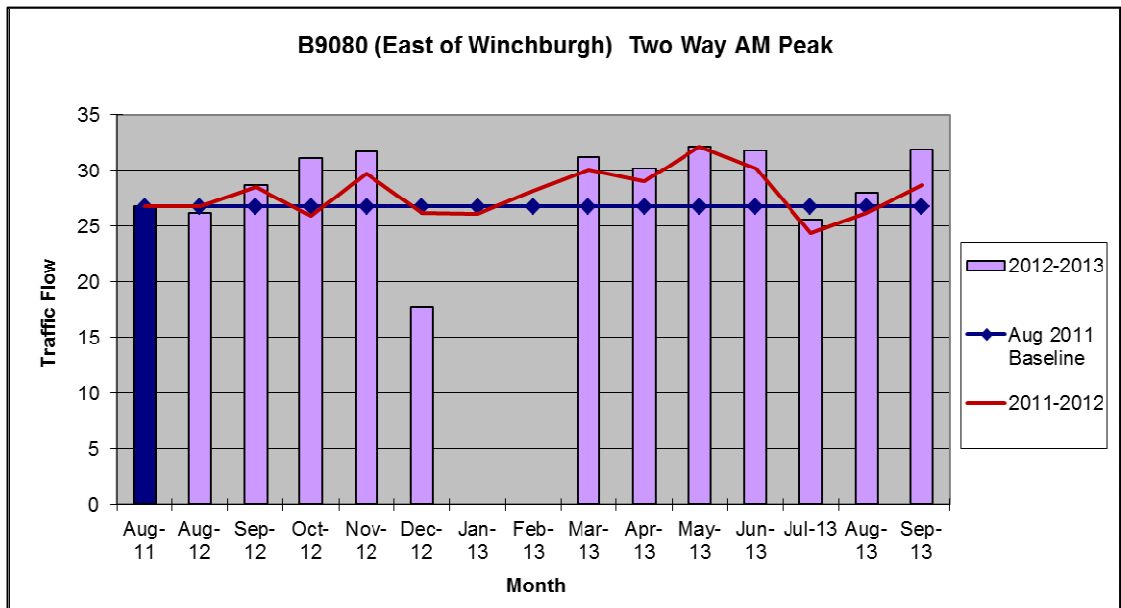


Figure 5-15 Monthly Two Way AM Peak HGV Flows on the B9080 (East of Winchburgh)

5.1.6 Monthly Average PM Peak HGV Flows

Table 5-6 Site: JTC00396 PM Peak HGV Traffic Flows – August 2012 to September 2013

Counter	Location	Date	EB	WB	Two Way
JTC00396	B9080 (East of Winchburgh)	Aug-11	14	14	28
		Aug-12	13	14	27
		Sep-12	16	16	32
		Oct-12	16	14	31
		Nov-12	16	12	28
		Dec-12	9	8	16
		Jan-13	No Data	No Data	No Data
		Feb-13	No Data	No Data	No Data
		Mar-13	14	12	27
		Apr-13	12	14	26
		May-13	12	14	26
		Jun-13	13	14	26
		Jul-13	10	12	22
		Aug-13	11	14	25
		Sep-13	12	15	26
		<b>Annual Average</b>			<b>13</b>

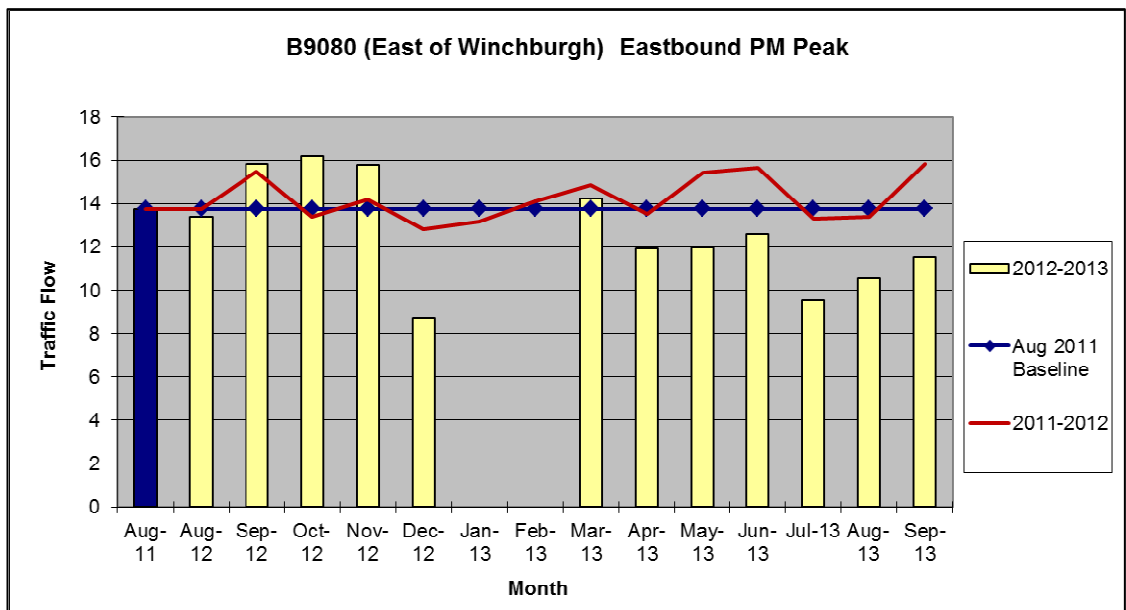


Figure 5-16 Monthly Eastbound PM HGV Peak Flows on the B9080 (East of Winchburgh)

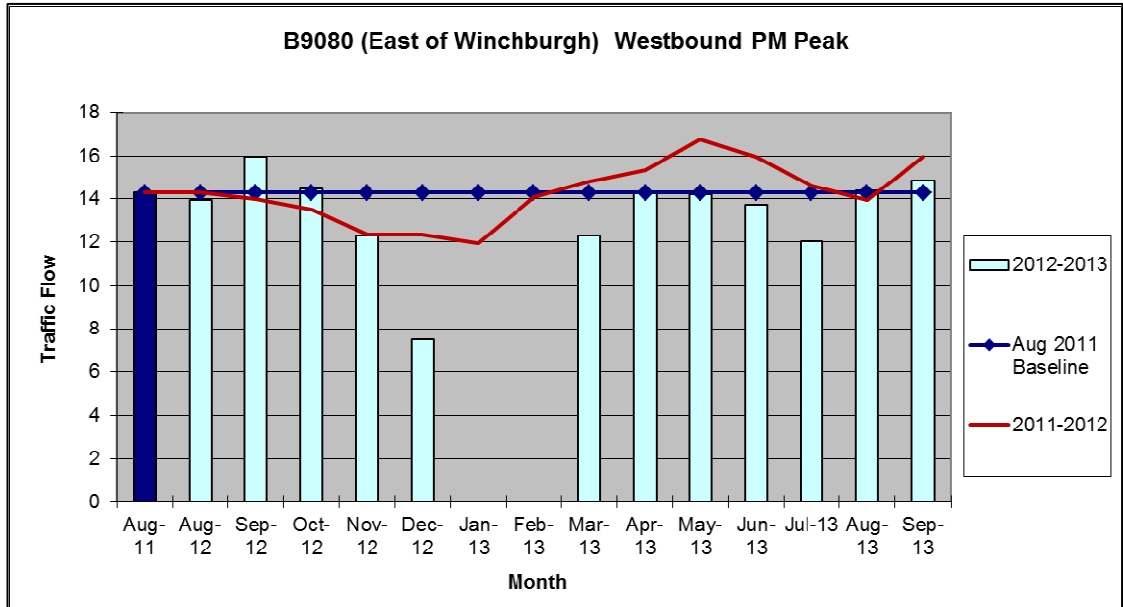


Figure 5-17 Monthly Westbound PM Peak HGV Flows on the B9080 (East of Winchburgh)

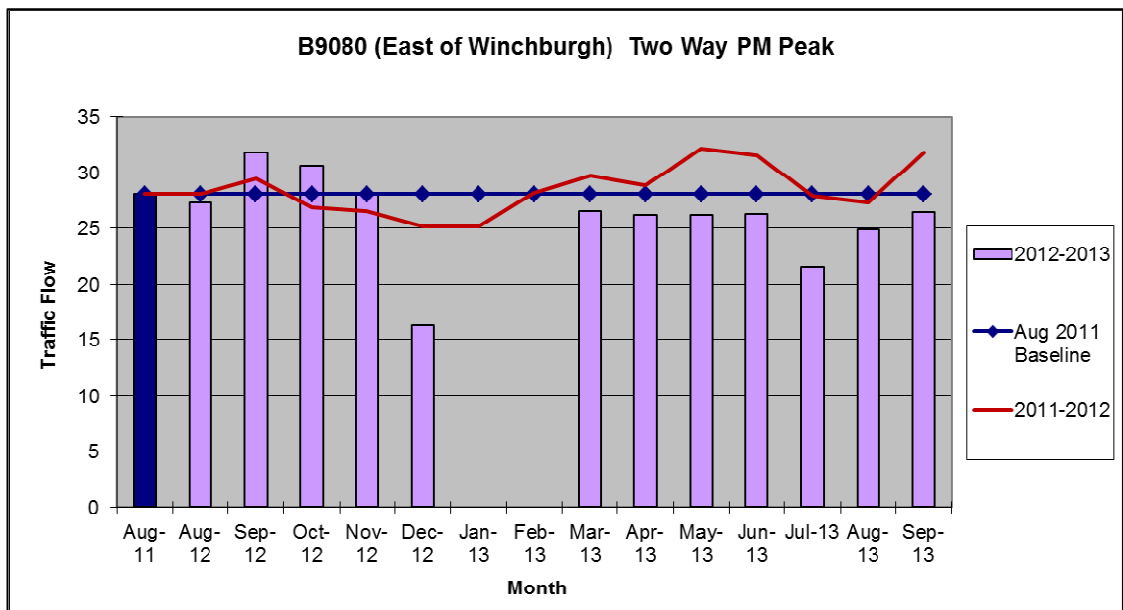
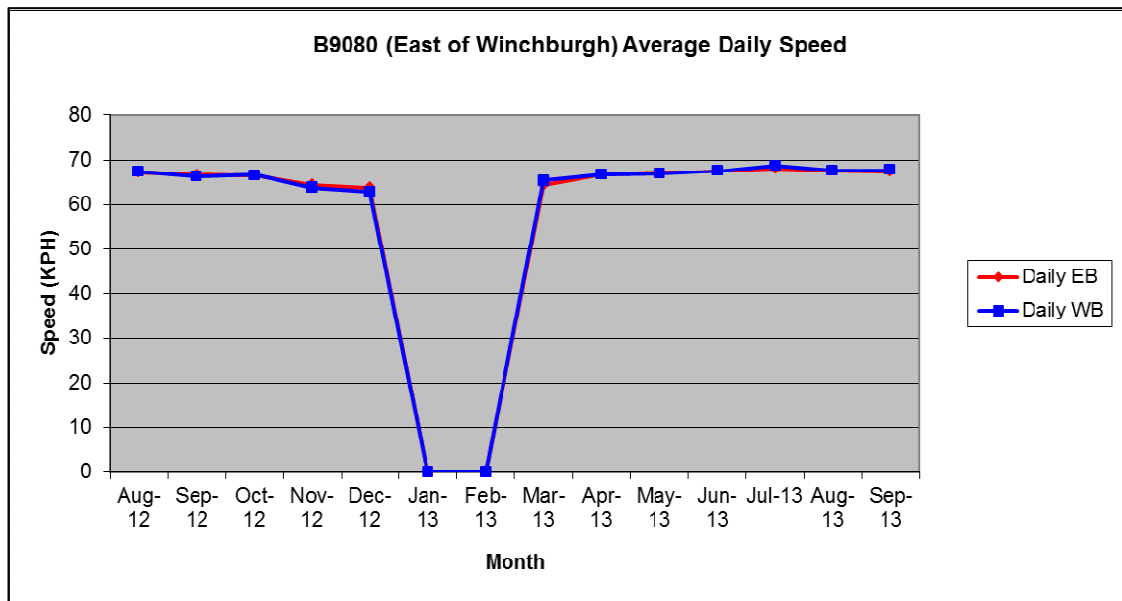


Figure 5-18 Monthly Two Way PM Peak HGV Flows on the B9080 (East of Winchburgh)

### 5.1.7 Monthly Average All Vehicles Traffic Speeds

**Table 5-7 Site: JTC00396 Average Monthly Traffic Speeds (KPH) (All Vehicles) – August 2012 to September 2013**

Counter	Location	Date	EB	WB
JTC00396	B9080 (East of Winchburgh)	Aug-12	67	67
		Sep-12	67	66
		Oct-12	66	67
		Nov-12	64	64
		Dec-12	64	63
		Jan-13	No Data	No Data
		Feb-13	No Data	No Data
		Mar-13	64	65
		Apr-13	67	67
		May-13	67	67
		Jun-13	68	67
		Jul-13	68	69
		Aug-13	67	68
		Sep-13	67	68



**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 2012 to September 2013

Counter	Location	Date	NB	SB	Two Way		
JTC00575	B924 Bo’ness Road (South Queensferry)	Aug-11	2,614	2,784	5,399		
		Aug-12	2,557	2,659	5,216		
		Sep-12	2,376	2,455	4,830		
		Oct-12	1,974	2,016	3,990		
		Nov-12	No Data	No Data	No Data		
		Dec-12	No Data	No Data	No Data		
		Jan-13	No Data	No Data	No Data		
		Feb-13	No Data	No Data	No Data		
		Mar-13	No Data	No Data	No Data		
		Apr-13	No Data	No Data	No Data		
		May-13	No Data	No Data	No Data		
		Jun-13	No Data	No Data	No Data		
		Jul-13	No Data	No Data	No Data		
		Aug-13	No Data	No Data	No Data		
		Sep-13	No Data	No Data	No Data		
		<b>Annual Average</b>			<b>2,302</b>	<b>2,377</b>	<b>4,679</b>

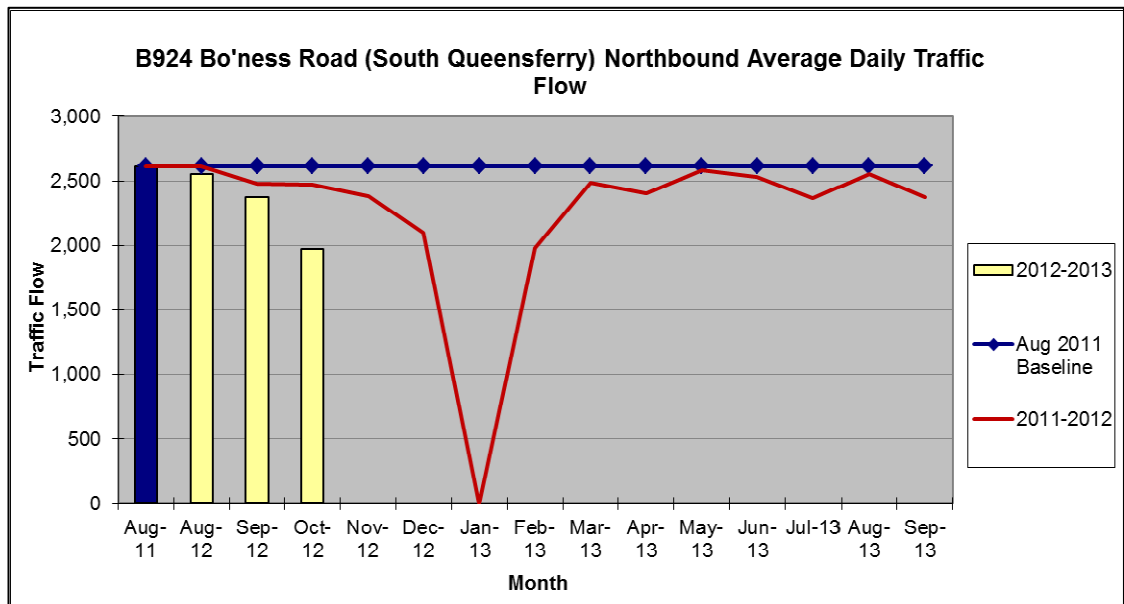


Figure 5-20 Monthly Eastbound AADTs on the B924 Bo’ness Road (South Queensferry)

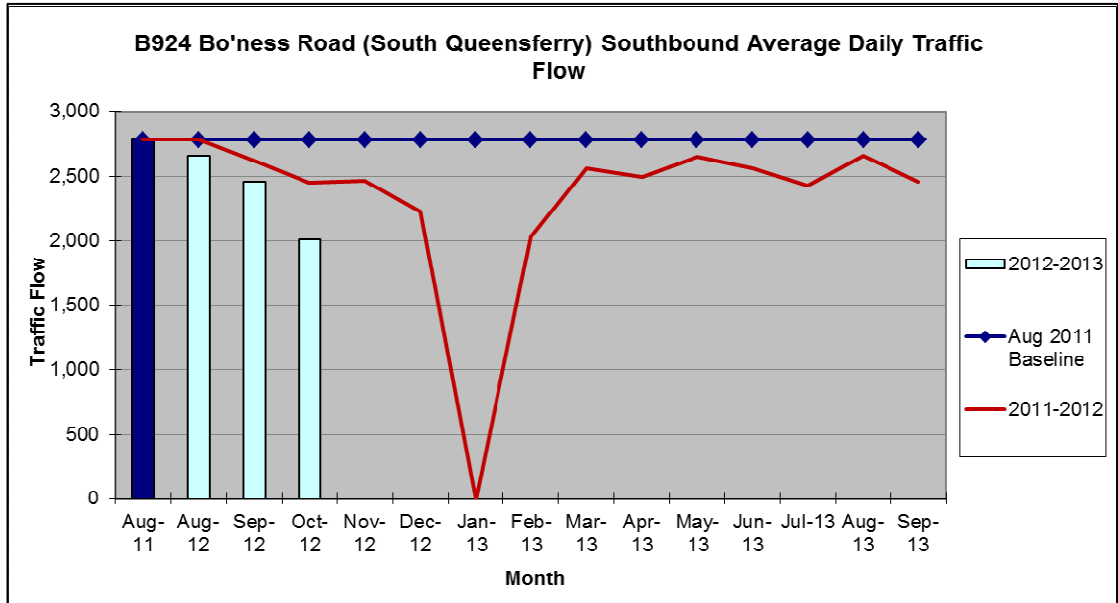


Figure 5-21 Monthly Westbound AADTs on the B924 Bo'ness Road (South Queensferry)

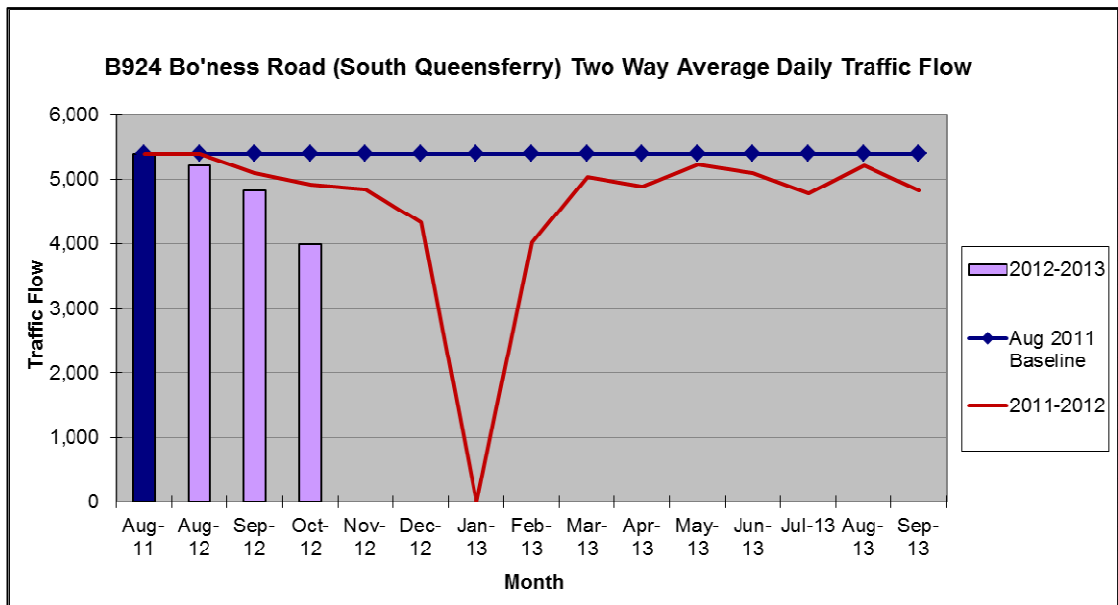


Figure 5-22 Monthly Two Way Daily Traffic Flows on the B924 Bo'ness Road (South Queensferry)

### 5.2.2 Monthly Average AM Peak Traffic Flows

Table 5-9 Site: JTC00575 AM Peak Traffic Flows – August 2012 to September 2013

Counter	Location	Date	NB	SB	Two Way		
JTC00575	B924 Bo'ness Road (South Queensferry)	Aug-11	300	531	831		
		Aug-12	352	491	843		
		Sep-12	318	466	784		
		Oct-12	290	405	695		
		Nov-12	No Data	No Data	No Data		
		Dec-12	No Data	No Data	No Data		
		Jan-13	No Data	No Data	No Data		
		Feb-13	No Data	No Data	No Data		
		Mar-13	No Data	No Data	No Data		
		Apr-13	No Data	No Data	No Data		
		May-13	No Data	No Data	No Data		
		Jun-13	No Data	No Data	No Data		
		Jul-13	No Data	No Data	No Data		
		Aug-13	No Data	No Data	No Data		
		Sep-13	No Data	No Data	No Data		
		<b>Annual Average</b>			<b>320</b>	<b>454</b>	<b>774</b>

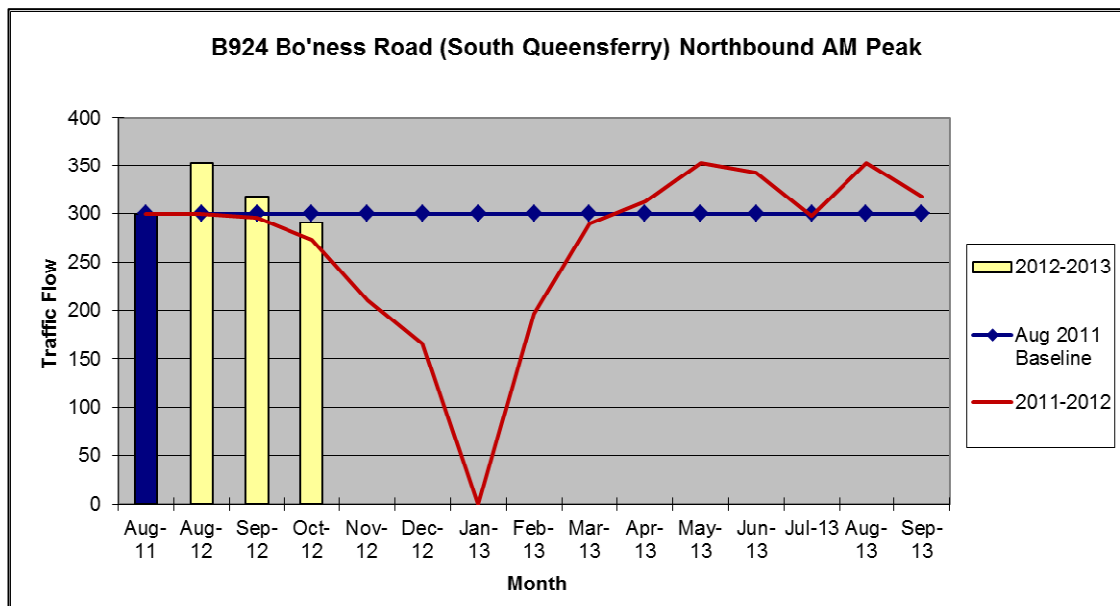


Figure 5-23 Monthly Northbound AM Peak Flows on the B924 Bo'ness Road (South Queensferry)

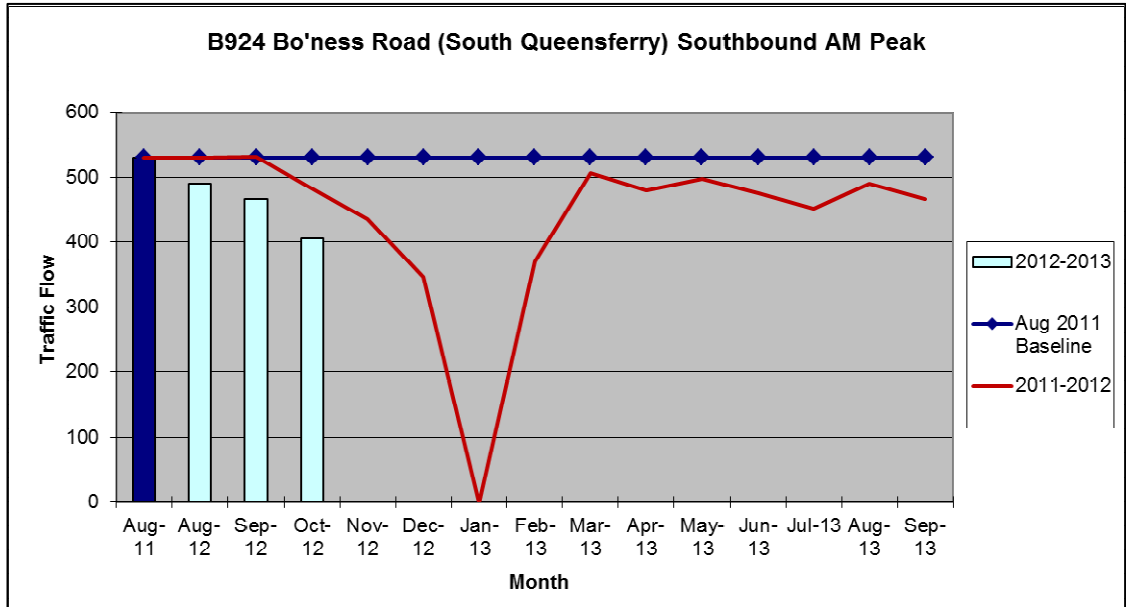


Figure 5-24 Monthly Southbound AM Peak Flows on the B924 Bo'ness Road (South Queensferry)

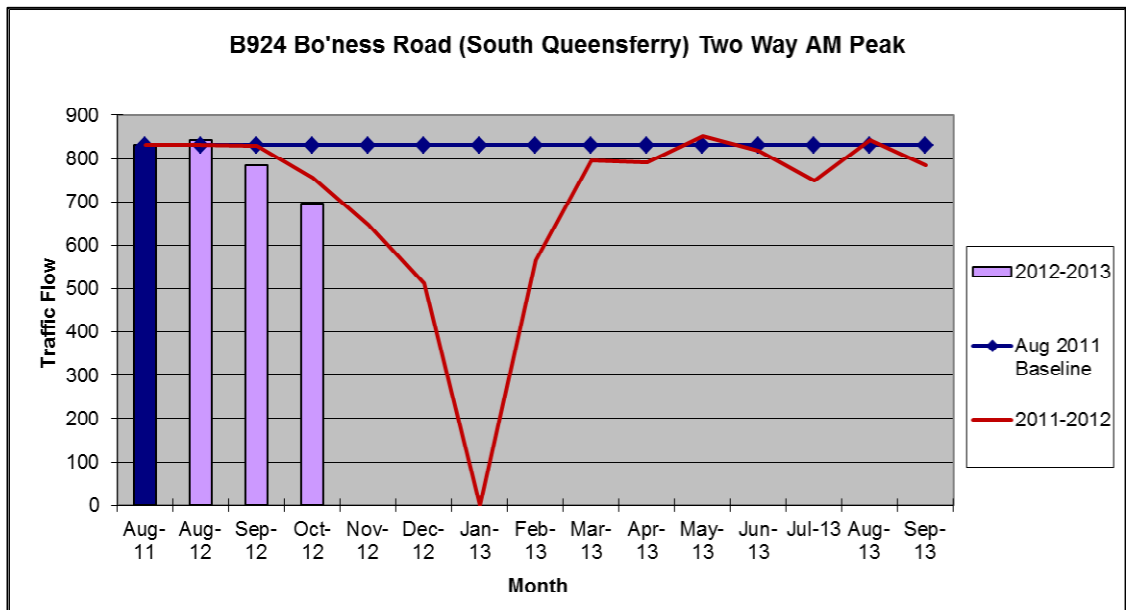


Figure 5-25 Monthly Two Way AM Peak Flows on the B924 Bo'ness Road (South Queensferry)



### 5.2.3 Monthly Average PM Peak Traffic Flows

Table 5-10 Site: JTC00575 PM Peak Traffic Flows – August 2012 to September 2013

Counter	Location	Date	NB	SB	Two Way
JTC00575	B924 Bo'ness Road (South Queensferry)	Aug-11	635	555	1,190
		Aug-12	591	484	1,075
		Sep-12	559	444	1,003
		Oct-12	497	357	854
		Nov-12	No Data	No Data	No Data
		Dec-12	No Data	No Data	No Data
		Jan-13	No Data	No Data	No Data
		Feb-13	No Data	No Data	No Data
		Mar-13	No Data	No Data	No Data
		Apr-13	No Data	No Data	No Data
		May-13	No Data	No Data	No Data
		Jun-13	No Data	No Data	No Data
		Jul-13	No Data	No Data	No Data
		Aug-13	No Data	No Data	No Data
		Sep-13	No Data	No Data	No Data
		<b>Annual Average</b>			<b>549</b>

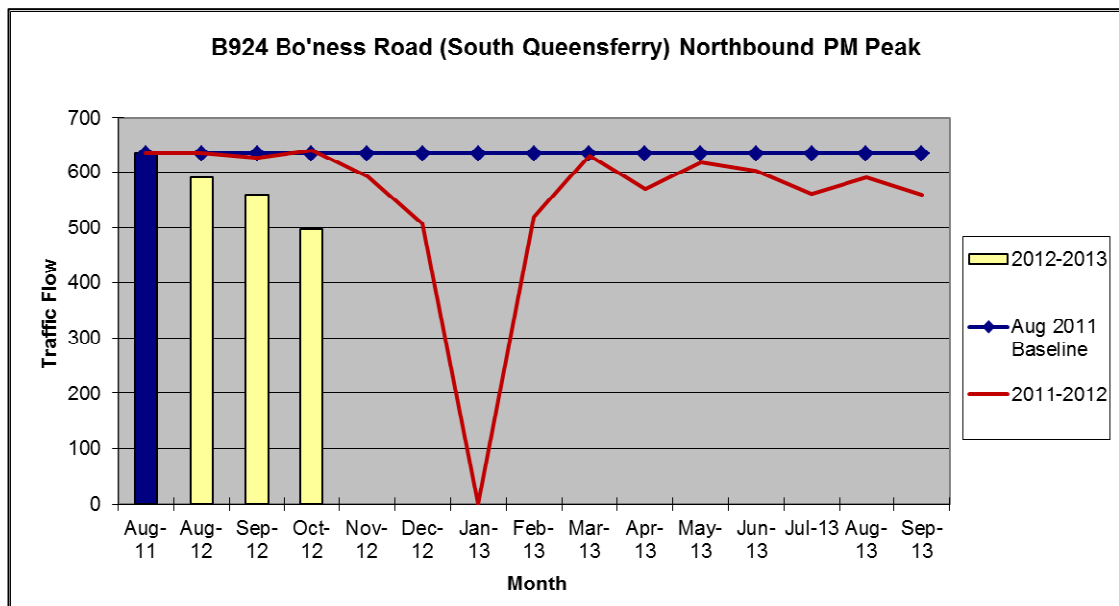


Figure 5-26 Monthly Northbound PM Peak Flows on the B924 Bo'ness Road (South Queensferry)

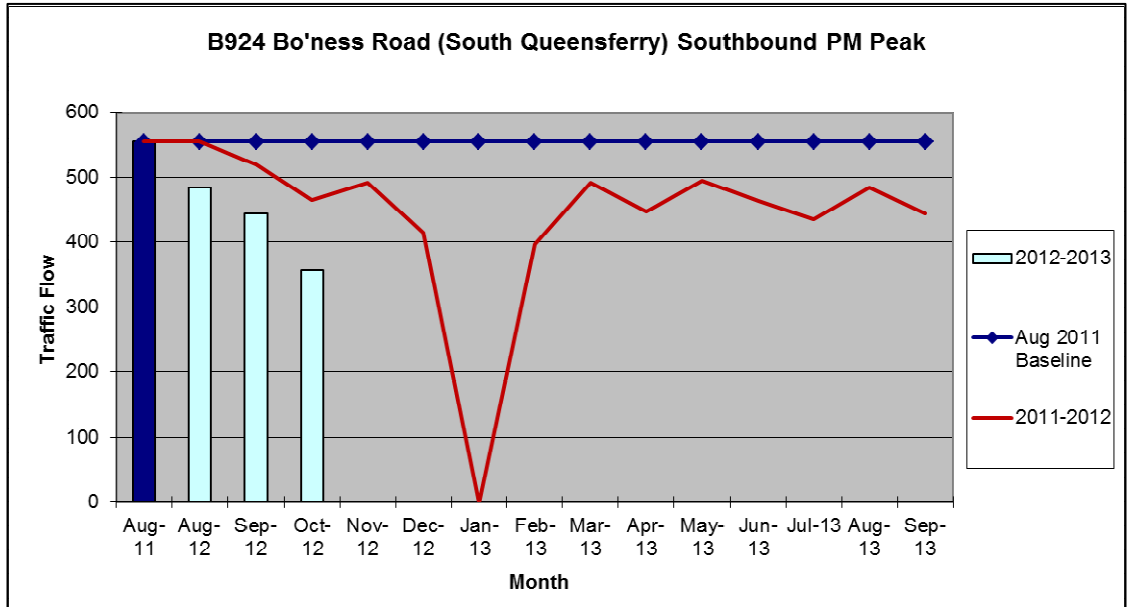


Figure 5-27 Monthly Southbound PM Peak Flows on the B924 Bo'ness Road (South Queensferry)

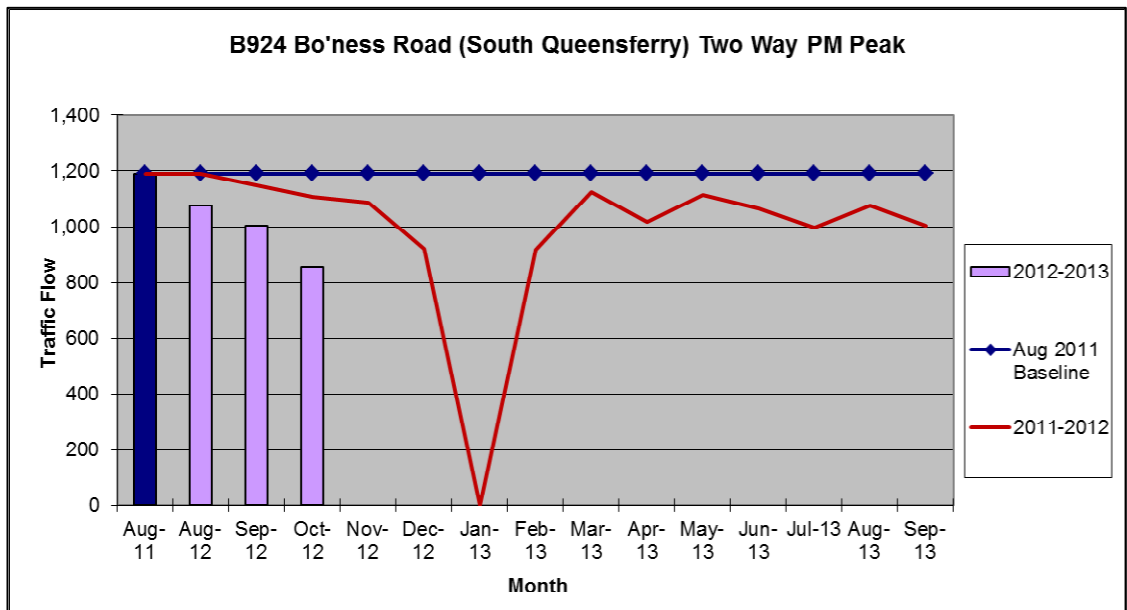


Figure 5-28 Monthly Two Way PM Peak Flows on the B924 Bo'ness Road (South Queensferry)

### 5.2.4 Monthly Average HGV Flows

Table 5-11 Site: JTC00575 Annual HGV Traffic Flows – August 2012 to September 2013

Counter	Location	Date	NB	SB	Two Way
JTC00575	B924 Bo'ness Road (South Queensferry)	Aug-11	75	60	136
		Aug-12	77	49	126
		Sep-12	72	49	121
		Oct-12	65	49	114
		Nov-12	No Data	No Data	No Data
		Dec-12	No Data	No Data	No Data
		Jan-13	No Data	No Data	No Data
		Feb-13	No Data	No Data	No Data
		Mar-13	No Data	No Data	No Data
		Apr-13	No Data	No Data	No Data
		May-13	No Data	No Data	No Data
		Jun-13	No Data	No Data	No Data
		Jul-13	No Data	No Data	No Data
		Aug-13	No Data	No Data	No Data
		Sep-13	No Data	No Data	No Data
	<b>Annual Average</b>		<b>71</b>	<b>49</b>	<b>120</b>

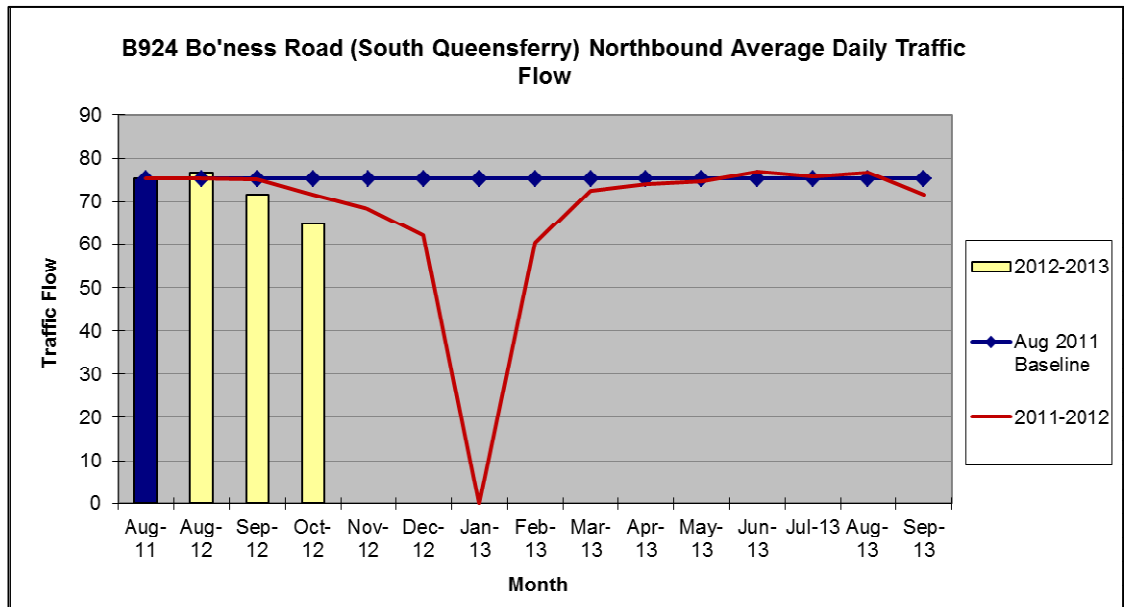


Figure 5-29 Monthly Northbound HGV Flows on the B924 Bo'ness Road (South Queensferry)

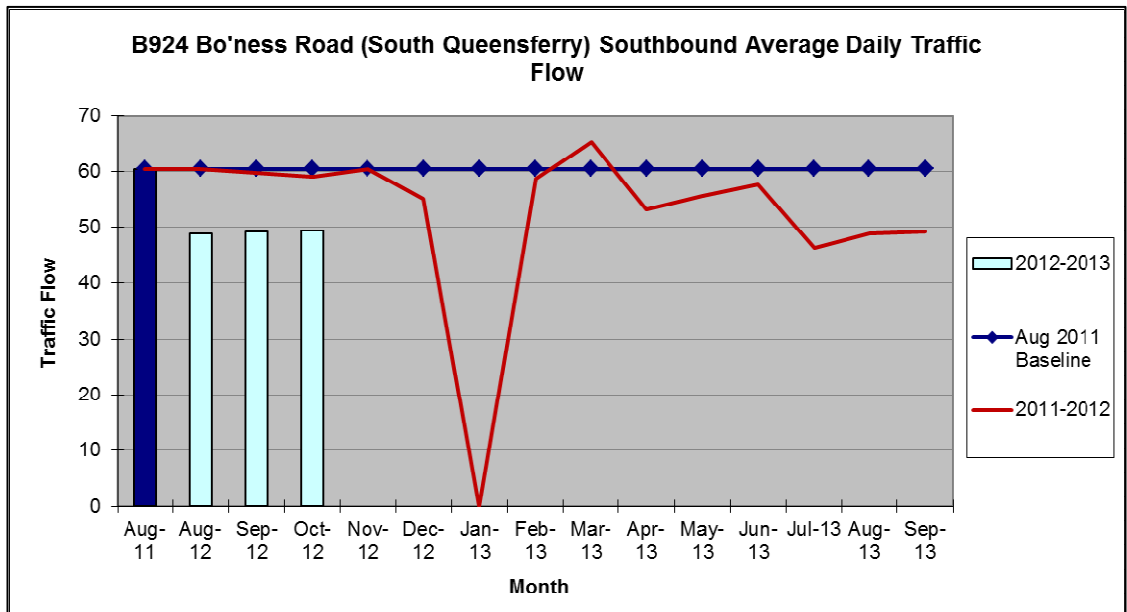


Figure 5-30 Monthly Southbound HGV Flows on the B924 Bo'ness Road (South Queensferry)

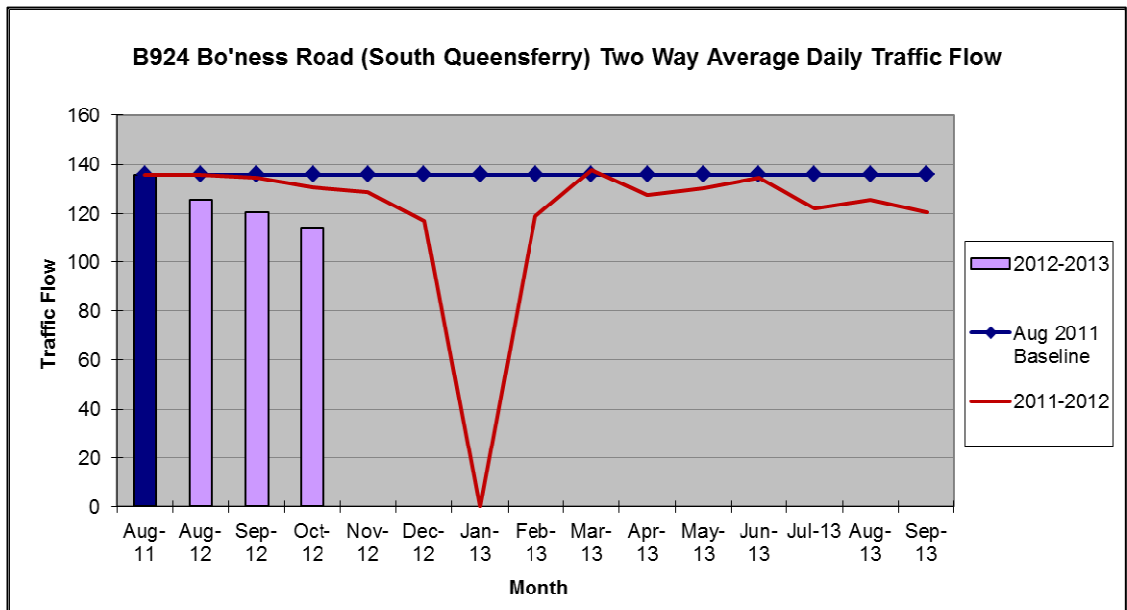


Figure 5-31 Monthly Two Way HGV Flows on the B924 Bo'ness Road (South Queensferry)

### 5.2.5 Monthly Average AM Peak HGV Flows

Table 5-12 Site: JTC00575 AM Peak HGV Traffic Flows – August 2012 to September 2013

Counter	Location	Date	NB	SB	Two Way
JTC00575	B924 Bo'ness Road (South Queensferry)	Aug-11	14	10	24
		Aug-12	15	9	24
		Sep-12	15	10	25
		Oct-12	12	10	22
		Nov-12	No Data	No Data	No Data
		Dec-12	No Data	No Data	No Data
		Jan-13	No Data	No Data	No Data
		Feb-13	No Data	No Data	No Data
		Mar-13	No Data	No Data	No Data
		Apr-13	No Data	No Data	No Data
		May-13	No Data	No Data	No Data
		Jun-13	No Data	No Data	No Data
		Jul-13	No Data	No Data	No Data
		Aug-13	No Data	No Data	No Data
Sep-13	No Data	No Data	No Data		
<b>Annual Average</b>			<b>14</b>	<b>10</b>	<b>24</b>

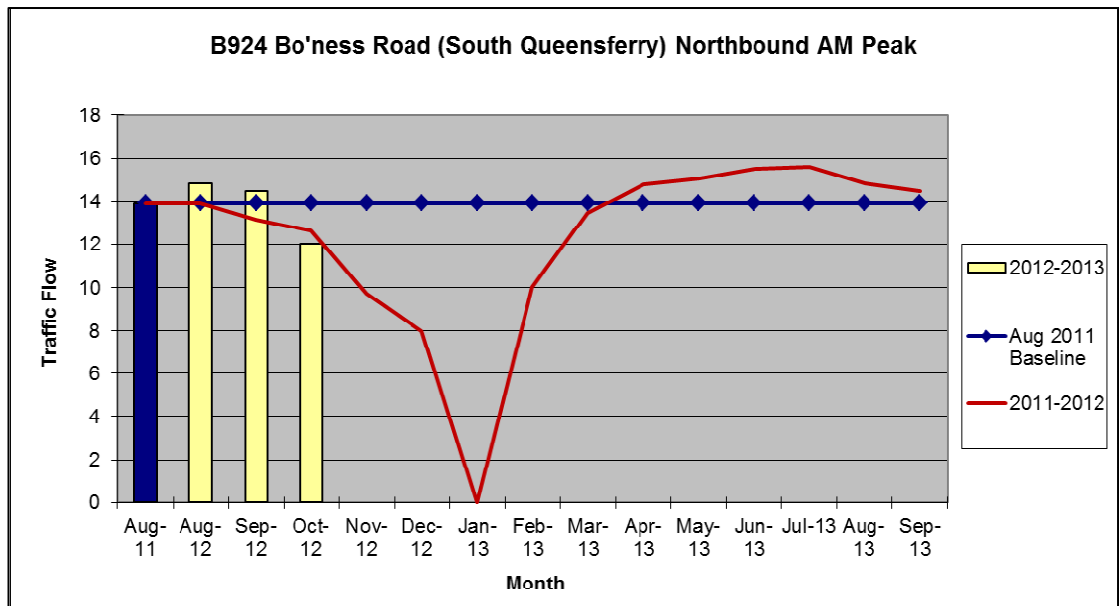


Figure 5-32 Monthly Northbound AM Peak HGV Flows on the B924 Bo'ness Road (South Queensferry)

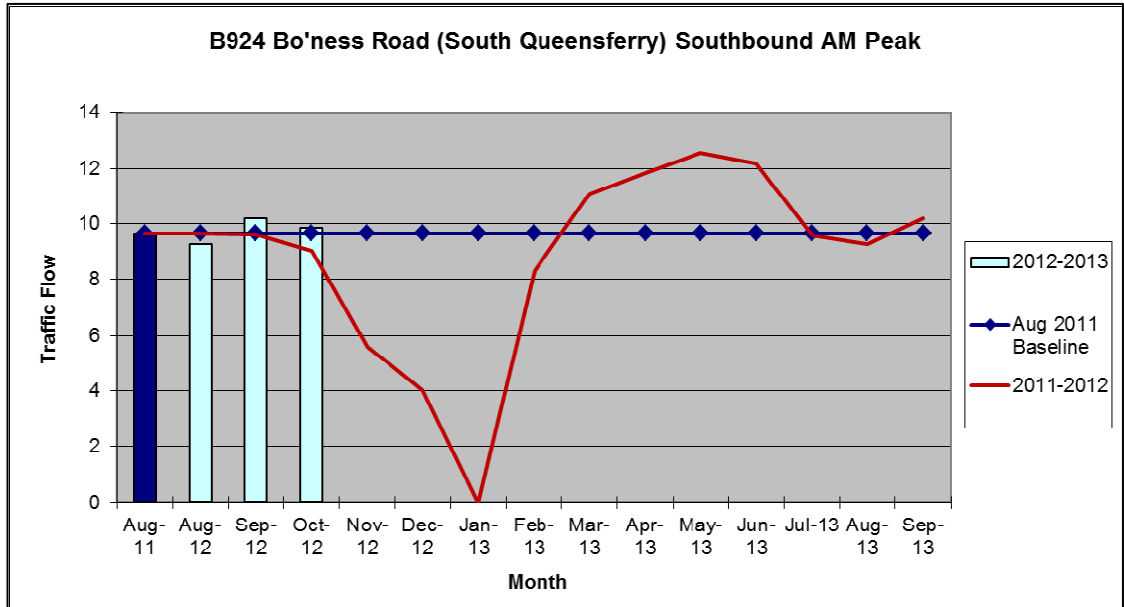


Figure 5-33 Monthly Southbound AM Peak HGV Flows on the B924 Bo'ness Road (South Queensferry)

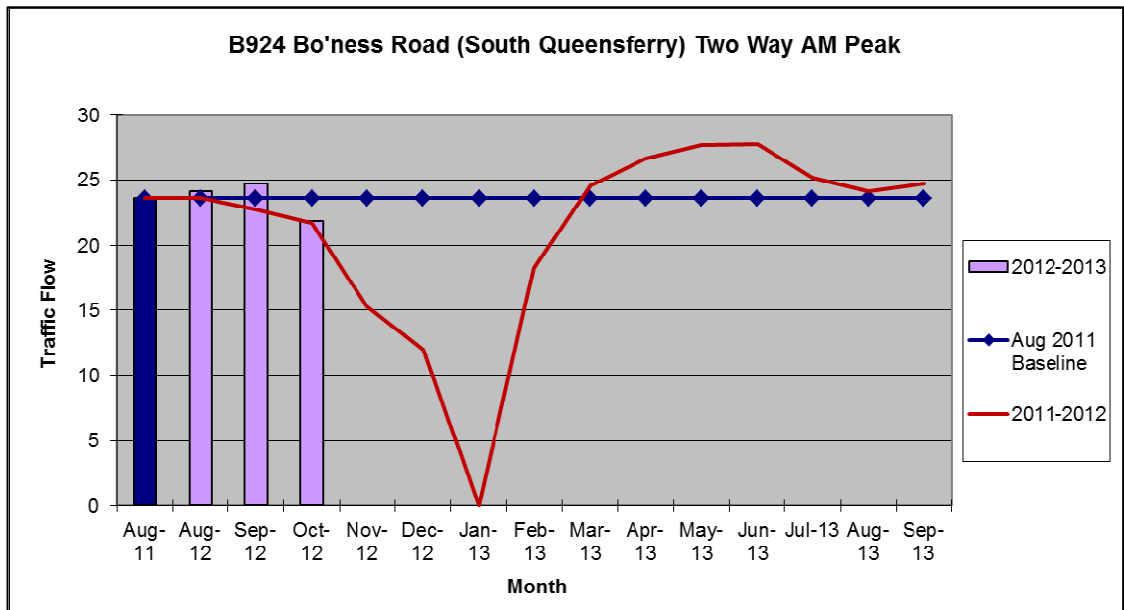


Figure 5-34 Monthly Two Way AM Peak HGV Flows on the B924 Bo'ness Road (South Queensferry)

5.2.6 Monthly Average PM Peak HGV Flows

Table 5-13 Site: JTC00575 PM Peak HGV Traffic Flows – August 2012 to September 2013

Counter	Location	Date	NB	SB	Two Way
JTC00575	B924 Bo'ness Road (South Queensferry)	Aug-11	15	12	27
		Aug-12	14	10	25
		Sep-12	13	10	23
		Oct-12	13	11	23
		Nov-12	No Data	No Data	No Data
		Dec-12	No Data	No Data	No Data
		Jan-13	No Data	No Data	No Data
		Feb-13	No Data	No Data	No Data
		Mar-13	No Data	No Data	No Data
		Apr-13	No Data	No Data	No Data
		May-13	No Data	No Data	No Data
		Jun-13	No Data	No Data	No Data
		Jul-13	No Data	No Data	No Data
		Aug-13	No Data	No Data	No Data
		Sep-13	No Data	No Data	No Data
		<b>Annual Average</b>			<b>13</b>

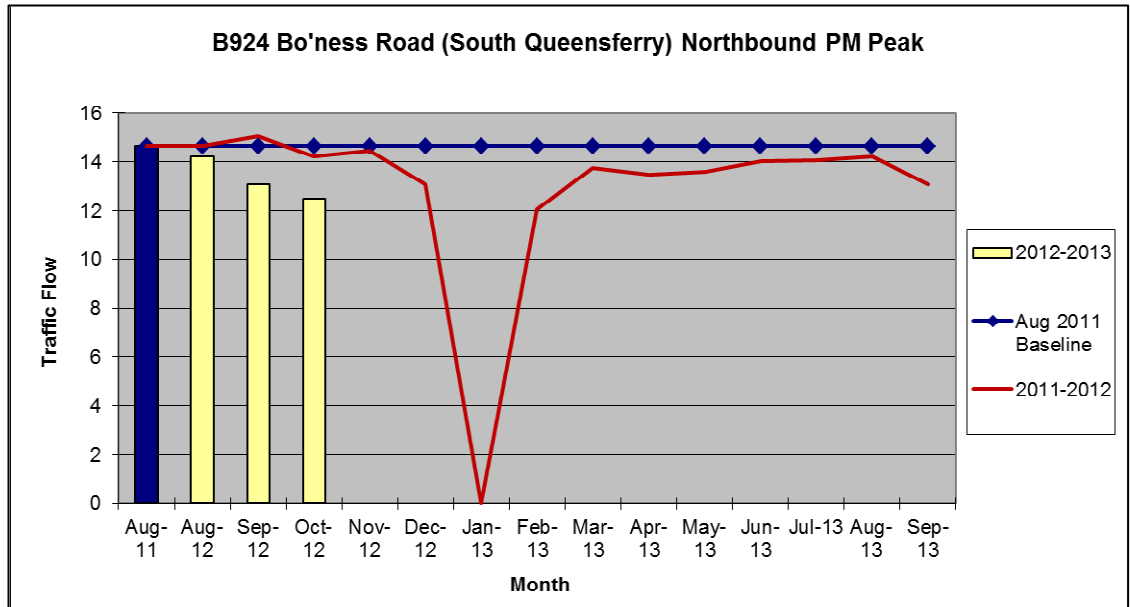


Figure 5-35 Monthly Northbound PM HGV Peak Flows on the B924 Bo'ness Road (South Queensferry)

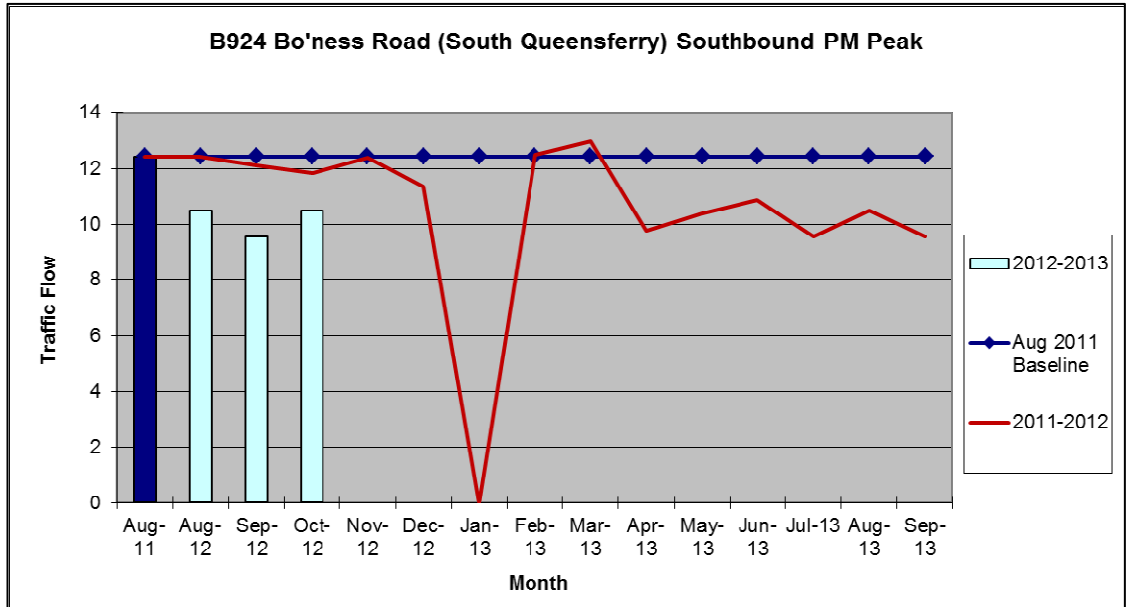


Figure 5-36 Monthly Southbound PM Peak HGV Flows on the B924 Bo'ness Road (South Queensferry)

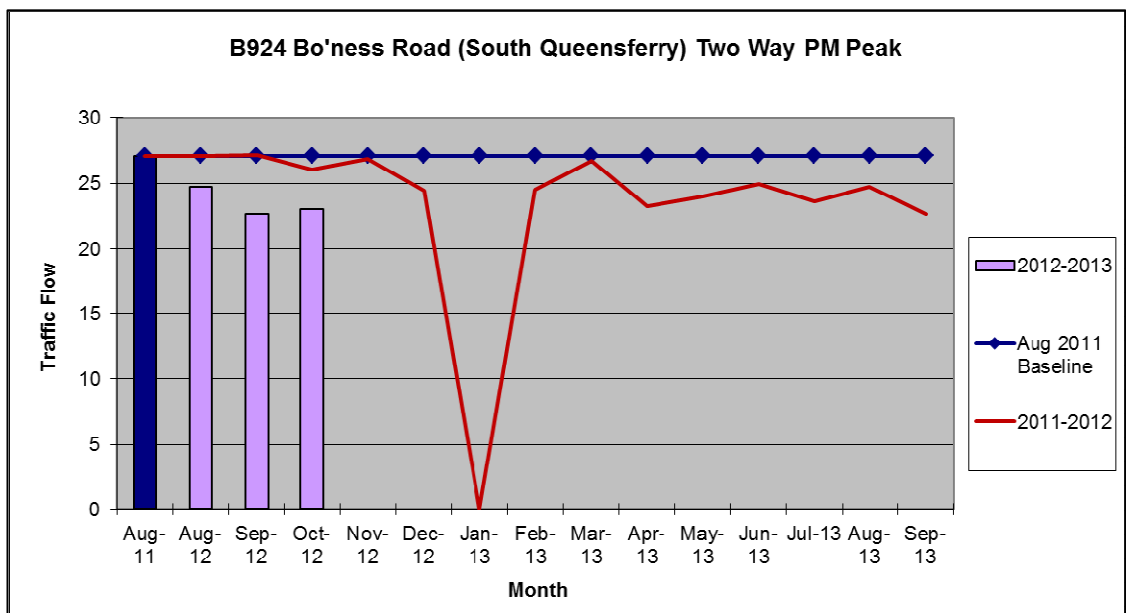


Figure 5-37 Monthly Two Way PM Peak HGV Flows on the B924 Bo'ness Road (South Queensferry)



5.2.7 Monthly Average All Vehicles Traffic Speeds

Table 5-14 Site: JTC00575 Average Monthly Traffic Speeds (KPH) (All Vehicles) – August 2012 to September 2013

Counter	Location	Date	NB	SB
JTC00575	B924 Bo'ness Road (South Queensferry)	Aug-12	53	54
		Sep-12	53	54
		Oct-12	53	55
		Nov-12	No Data	No Data
		Dec-12	No Data	No Data
		Jan-13	No Data	No Data
		Feb-13	No Data	No Data
		Mar-13	No Data	No Data
		Apr-13	No Data	No Data
		May-13	No Data	No Data
		Jun-13	No Data	No Data
		Jul-13	No Data	No Data
		Aug-13	No Data	No Data
		Sep-13	No Data	No Data

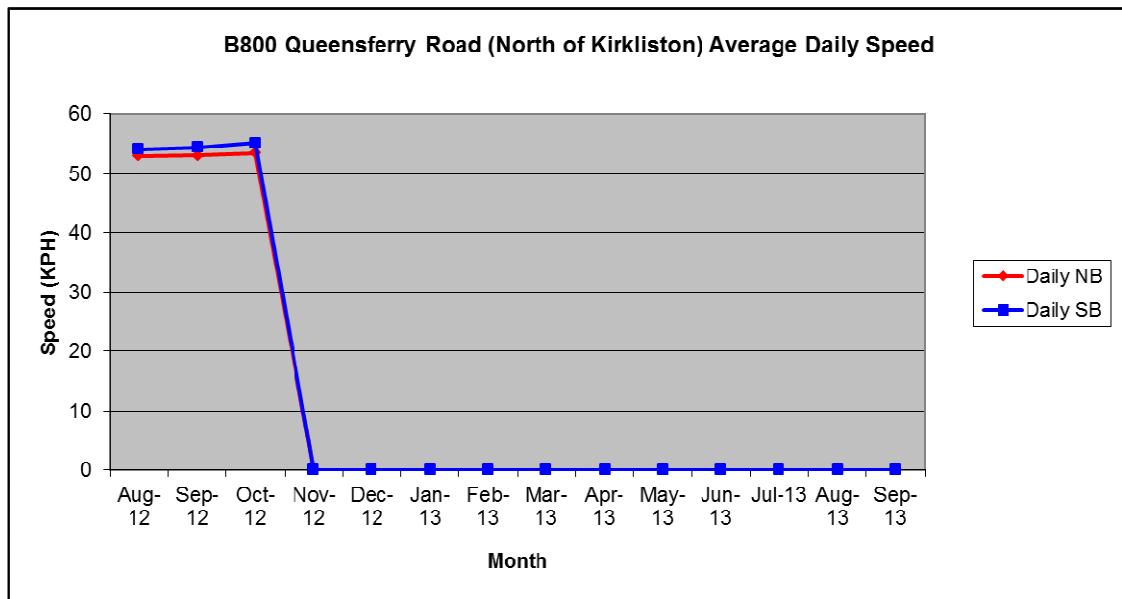


Figure 5-38 Average Monthly Traffic Speeds (KPH) on the B924 Bo'ness Road (South Queensferry)

### 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 2012 to September 2013

Counter	Location	Date	EB	WB	Two Way
JTC00577	B800 Queensferry Road (North of Kirkliston)	Aug-11	3,189	3,494	6,683
		Aug-12	3,765	4,191	7,956
		Sep-12	3,624	4,003	7,627
		Oct-12	3,757	4,228	7,985
		Nov-12	3,946	4,106	8,052
		Dec-12	3,230	3,420	6,650
		Jan-13	3,081	3,236	6,318
		Feb-13	3,307	3,478	6,785
		Mar-13	3,228	3,504	6,732
		Apr-13	3,364	3,545	6,908
		May-13	3,599	3,620	7,219
		Jun-13	3,549	No Data	No Data
		Jul-13	3,320	No Data	No Data
		Aug-13	3,506	No Data	No Data
		Sep-13	3,381	No Data	No Data
		<b>Annual Average</b>			<b>3,481</b>

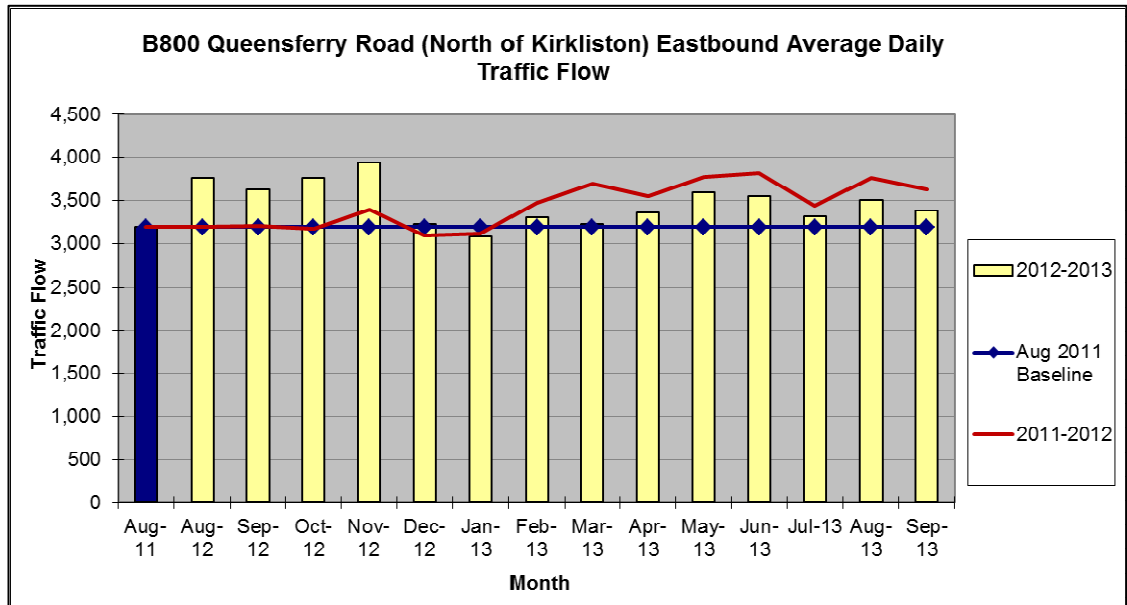


Figure 5-39 Monthly Eastbound AADTs on the B800 Queensferry Road (North of Kirkliston)

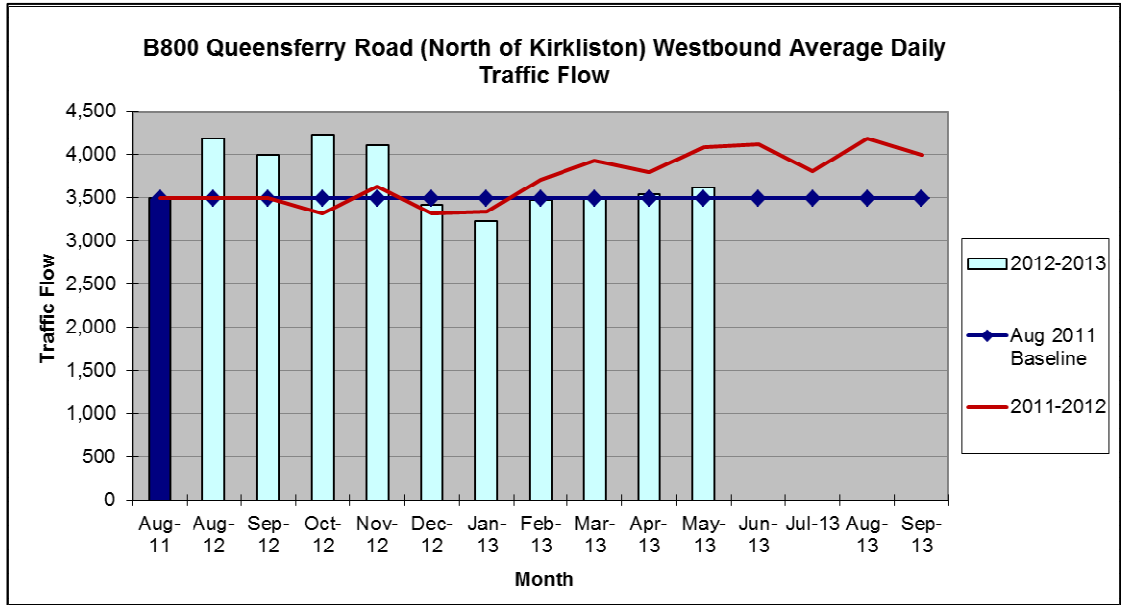


Figure 5-40 Monthly Westbound AADTs on the B800 Queensferry Road (North of Kirkliston)

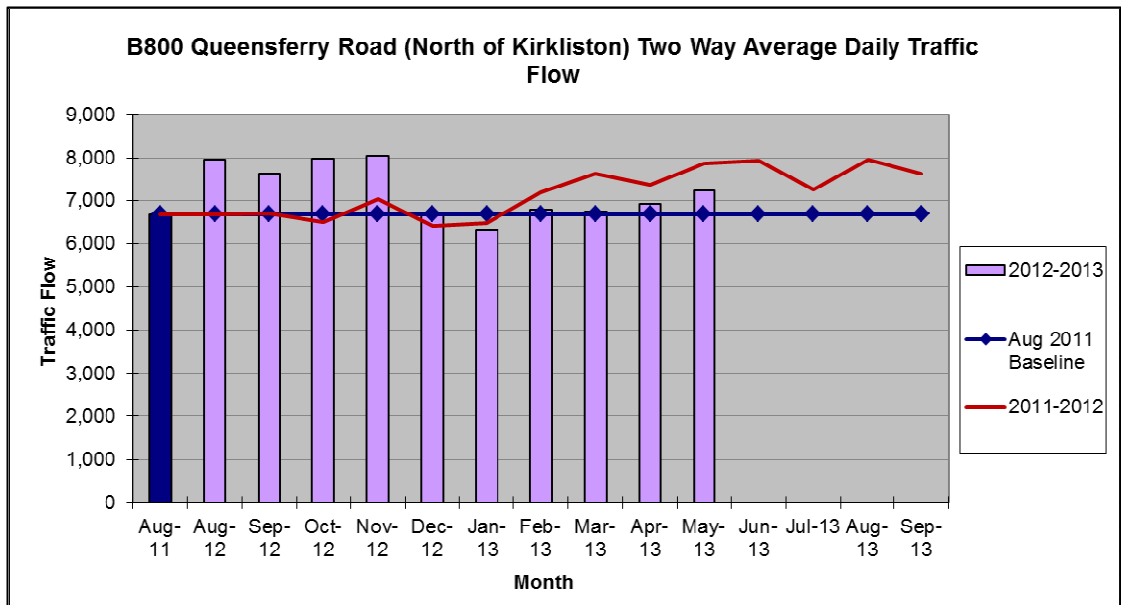


Figure 5-41 Monthly Two Way Daily Traffic Flows on the B800 Queensferry Road (North of Kirkliston)

### 5.3.2 Monthly Average AM Peak Traffic Flows

Table 5-16 Site: JTC00577 AM Peak Traffic Flows – August 2012 to September 2013

Counter	Location	Date	NB	SB	Two Way
JTC00577	B800 Queensferry Road (North of Kirkliston)	Aug-11	414	771	1,185
		Aug-12	534	831	1,364
		Sep-12	529	797	1,325
		Oct-12	531	863	1,394
		Nov-12	479	777	1,256
		Dec-12	425	623	1,048
		Jan-13	493	669	1,162
		Feb-13	534	723	1,256
		Mar-13	538	721	1,260
		Apr-13	527	662	1,189
		May-13	570	716	1,286
		Jun-13	496	No Data	No Data
		Jul-13	459	No Data	No Data
		Aug-13	521	No Data	No Data
		Sep-13	532	No Data	No Data
		<b>Annual Average</b>	<b>510</b>	<b>738</b>	<b>1,254</b>

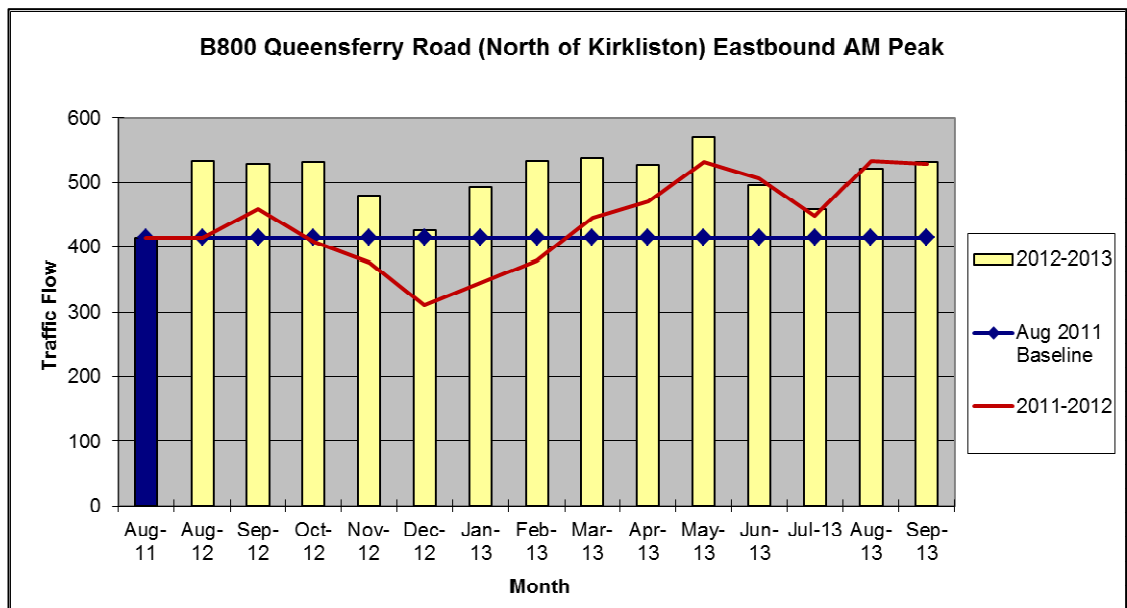


Figure 5-42 Monthly Northbound AM Peak Flows on the B800 Queensferry Road (North of Kirkliston)

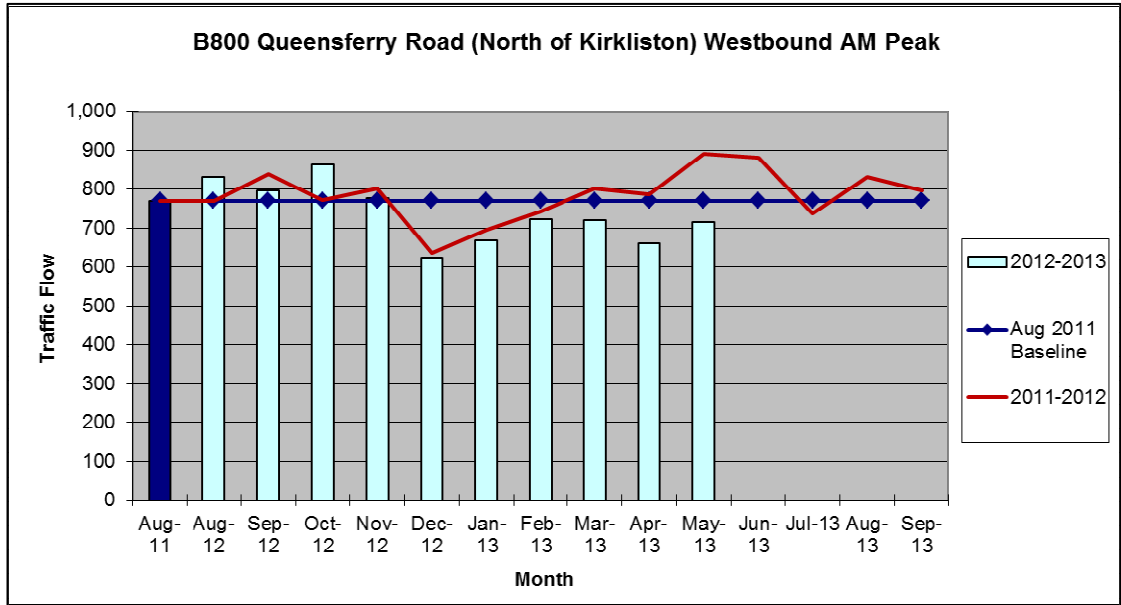


Figure 5-43 Monthly Southbound AM Peak Flows on the B800 Queensferry Road (North of Kirkliston)

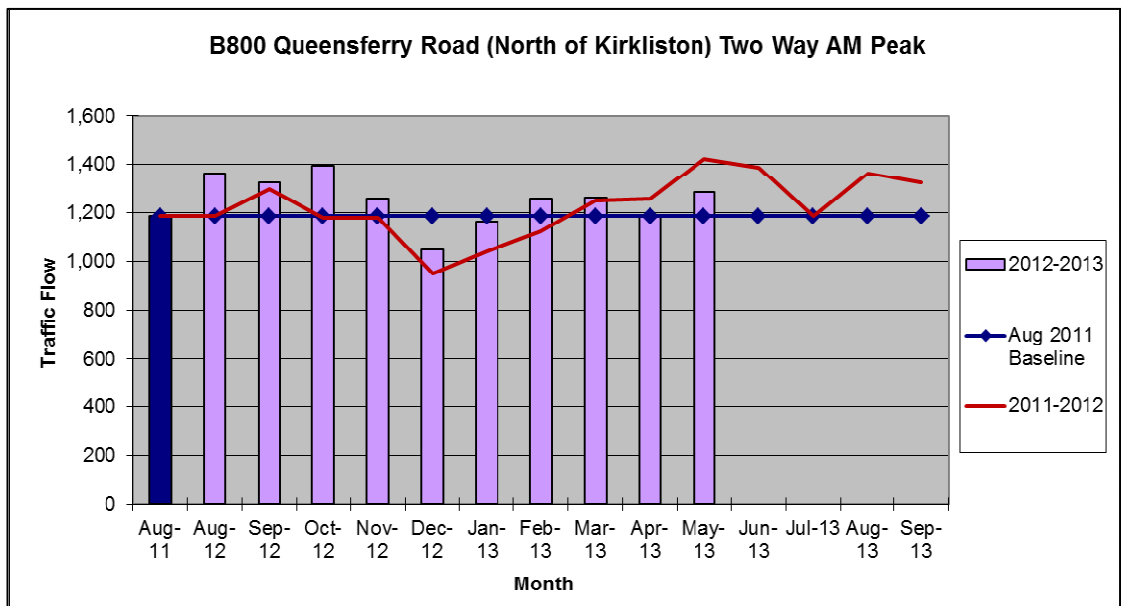


Figure 5-44 Monthly Two Way AM Peak Flows on the B800 Queensferry Road (North of Kirkliston)

### 5.3.3 Monthly Average PM Peak Traffic Flows

Table 5-17 Site: JTC00577 PM Peak Traffic Flows – August 2012 to September 2013

Counter	Location	Date	EB	WB	Two Way
JTC00577	B800 Queensferry Road (North of Kirkliston)	Aug-11	988	740	1,728
		Aug-12	1,023	945	1,968
		Sep-12	974	889	1,863
		Oct-12	1,037	924	1,961
		Nov-12	1,093	933	2,026
		Dec-12	806	723	1,529
		Jan-13	811	714	1,525
		Feb-13	885	781	1,667
		Mar-13	842	776	1,619
		Apr-13	904	822	1,726
		May-13	966	827	1,794
		Jun-13	992	No Data	No Data
		Jul-13	871	No Data	No Data
		Aug-13	944	No Data	No Data
		Sep-13	923	No Data	No Data
	<b>Annual Average</b>		<b>934</b>	<b>833</b>	<b>1,768</b>

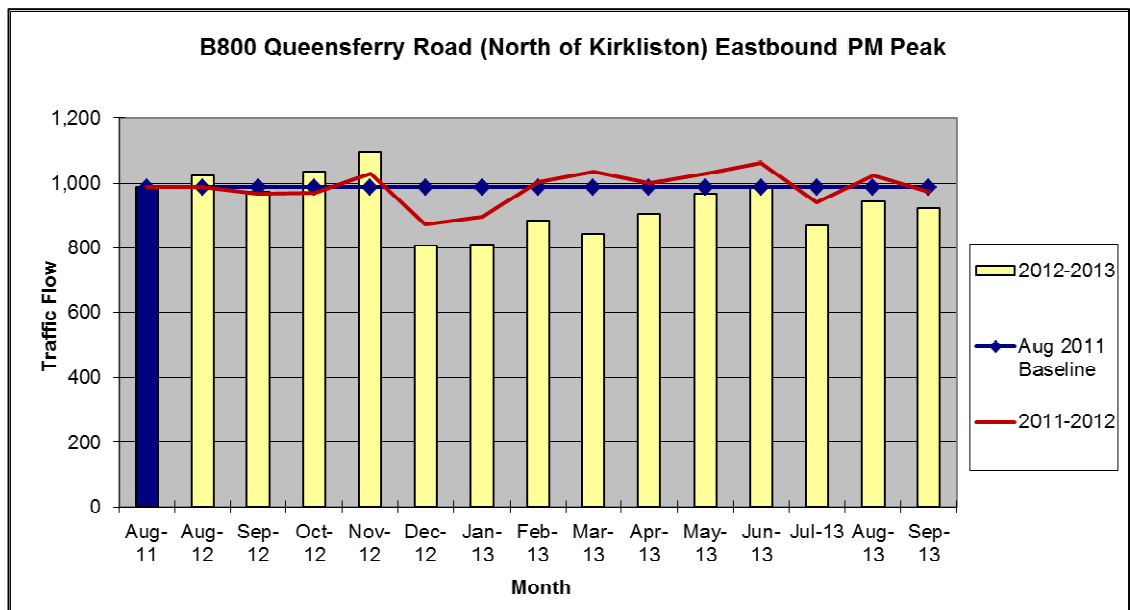


Figure 5-45 Monthly Eastbound PM Peak Flows on the B800 Queensferry Road (North of Kirkliston)

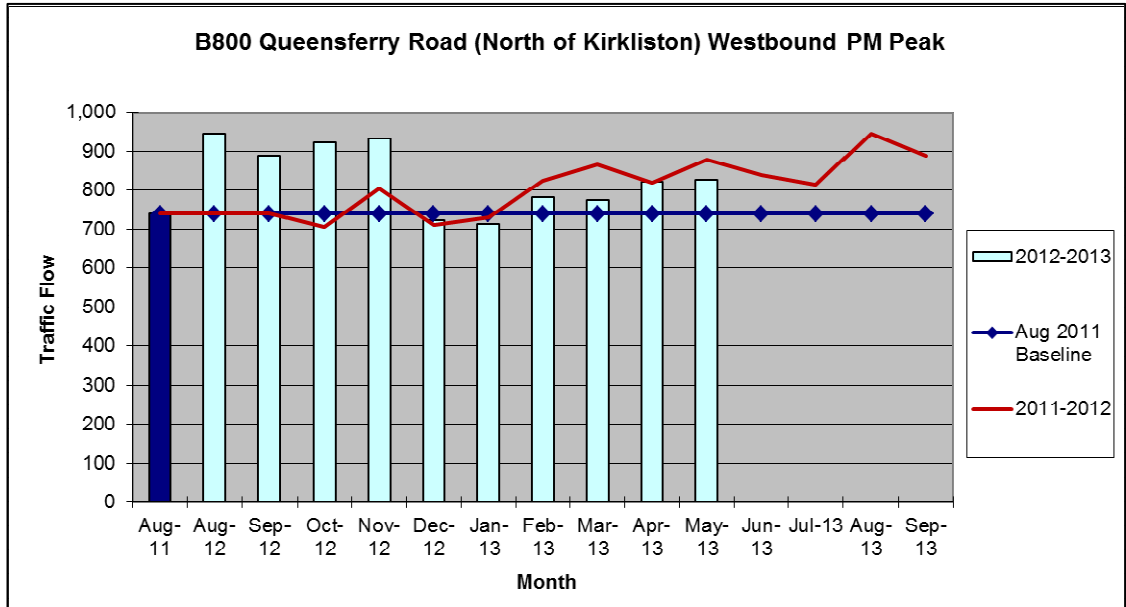


Figure 5-46 Monthly Westbound PM Peak Flows on the B800 Queensferry Road (North of Kirkliston)

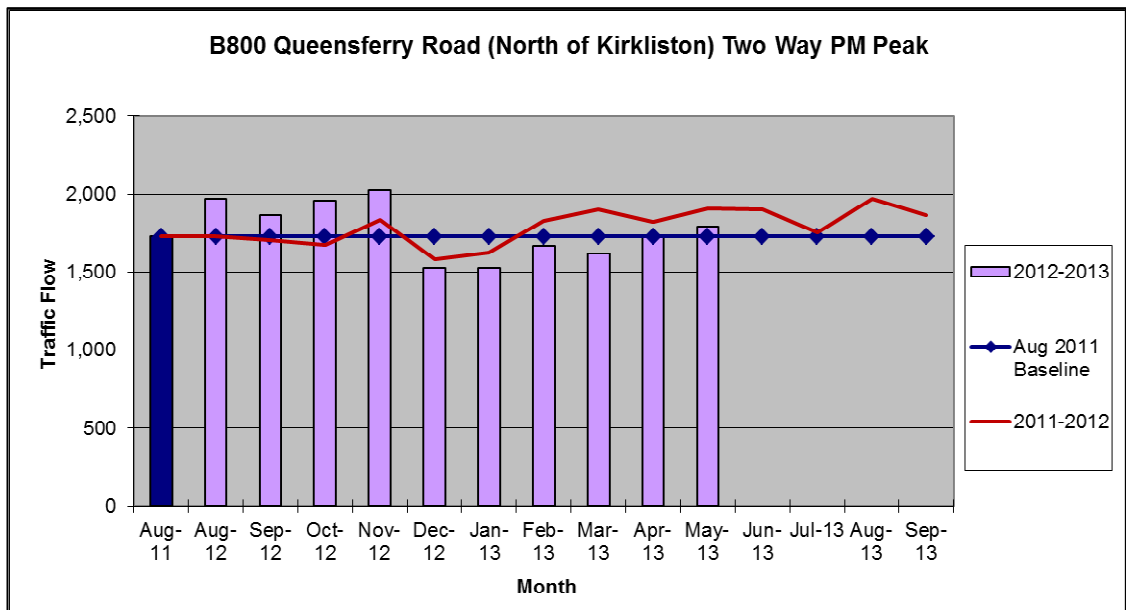


Figure 5-47 Monthly Two Way PM Peak Flows on the B800 Queensferry Road (North of Kirkliston)

### 5.3.4 Monthly Average HGV Flows

Table 5-18 Site: JTC00577 Annual HGV Traffic Flows – August 2012 to September 2013

Counter	Location	Date	EB	WB	Two Way
JTC00577	B800 Queensferry Road (North of Kirkliston)	Aug-11	31	38	69
		Aug-12	81	91	171
		Sep-12	83	91	174
		Oct-12	85	93	178
		Nov-12	59	65	124
		Dec-12	28	36	64
		Jan-13	27	36	63
		Feb-13	41	49	90
		Mar-13	43	45	88
		Apr-13	40	44	85
		May-13	44	43	87
		Jun-13	44	No Data	No Data
		Jul-13	37	No Data	No Data
		Aug-13	40	No Data	No Data
		Sep-13	43	No Data	No Data
<b>Annual Average</b>			<b>51</b>	<b>59</b>	<b>108</b>

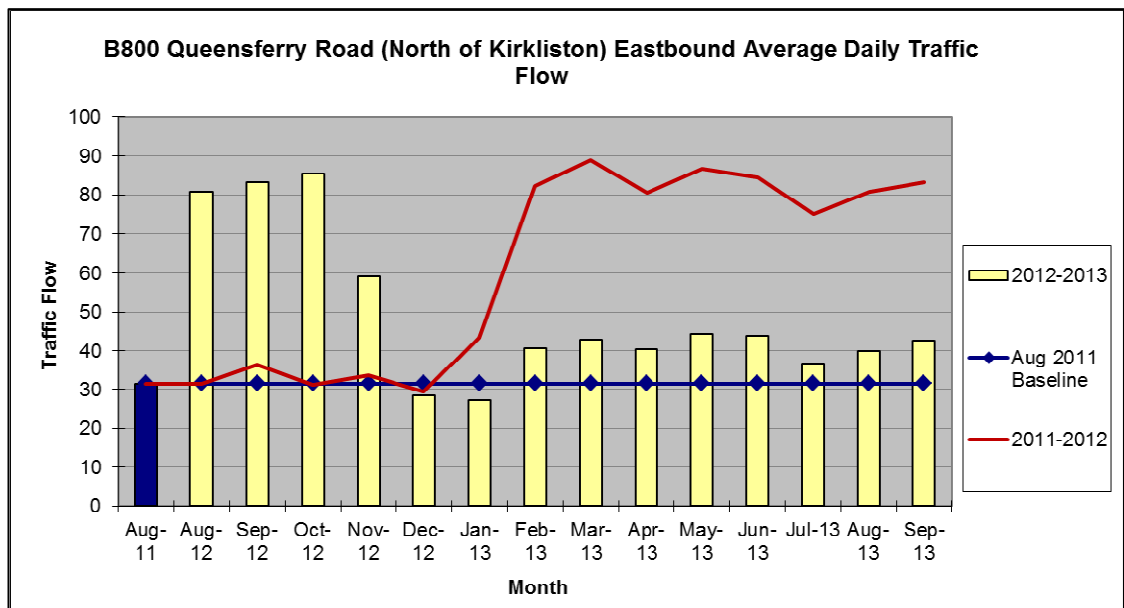


Figure 5-48 Monthly Eastbound HGV Flows on the B800 Queensferry Road (North of Kirkliston)



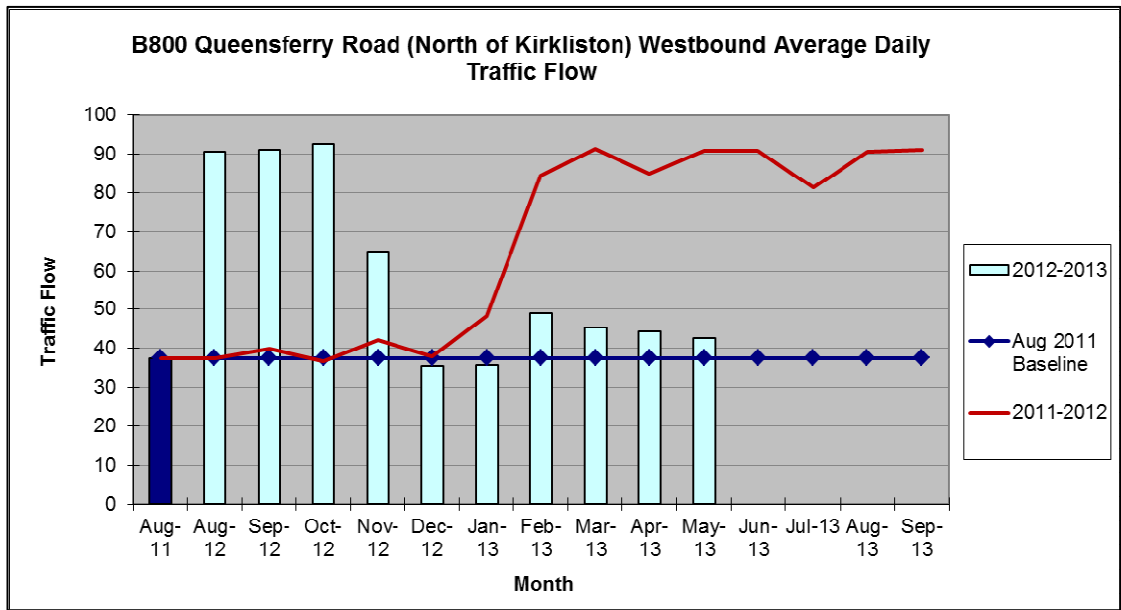


Figure 5-49 Monthly Westbound HGV Flows on the B800 Queensferry Road (North of Kirkliston)

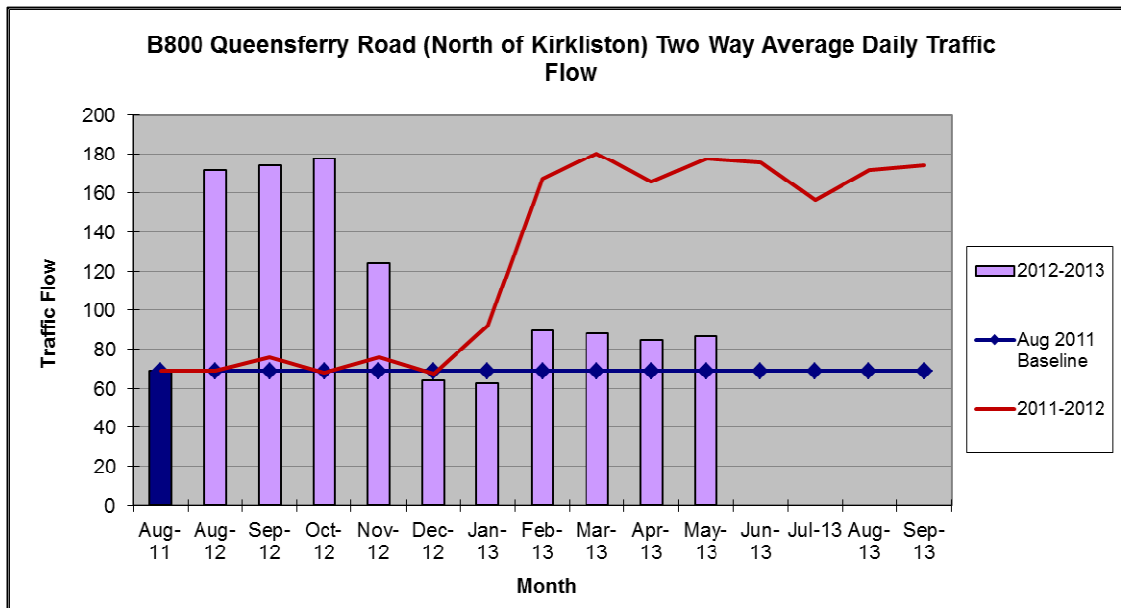


Figure 5-50 Monthly Two Way HGV Flows on the B800 Queensferry Road (North of Kirkliston)

### 5.3.5 Monthly Average AM Peak HGV Flows

Table 5-19 Site: JTC00577 AM Peak HGV Traffic Flows – August 2012 to September 2013

Counter	Location	Date	EB	WB	Two Way
JTC00577	B800 Queensferry Road (North of Kirkliston)	Aug-11	9	8	17
		Aug-12	16	15	31
		Sep-12	18	16	34
		Oct-12	18	17	35
		Nov-12	14	10	25
		Dec-12	9	7	16
		Jan-13	10	9	19
		Feb-13	15	10	25
		Mar-13	14	8	22
		Apr-13	13	9	21
		May-13	15	7	22
		Jun-13	14	No Data	No Data
		Jul-13	9	No Data	No Data
		Aug-13	13	No Data	No Data
		Sep-13	15	No Data	No Data
<b>Annual Average</b>			<b>14</b>	<b>11</b>	<b>24</b>

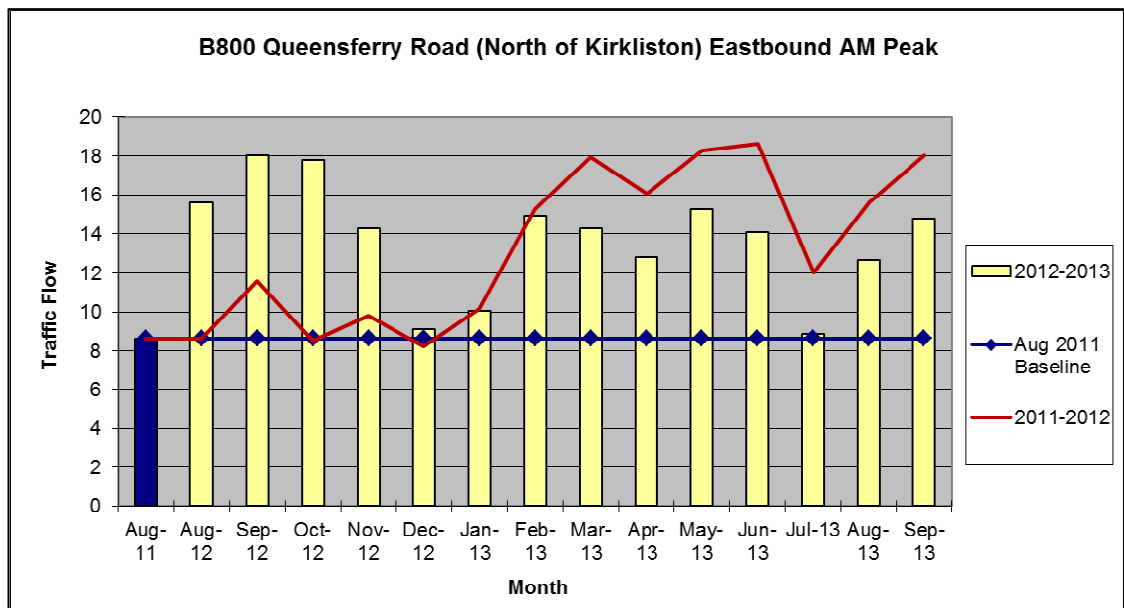


Figure 5-51 Monthly Eastbound AM Peak HGV Flows on the B800 Queensferry Road (North of Kirkliston)

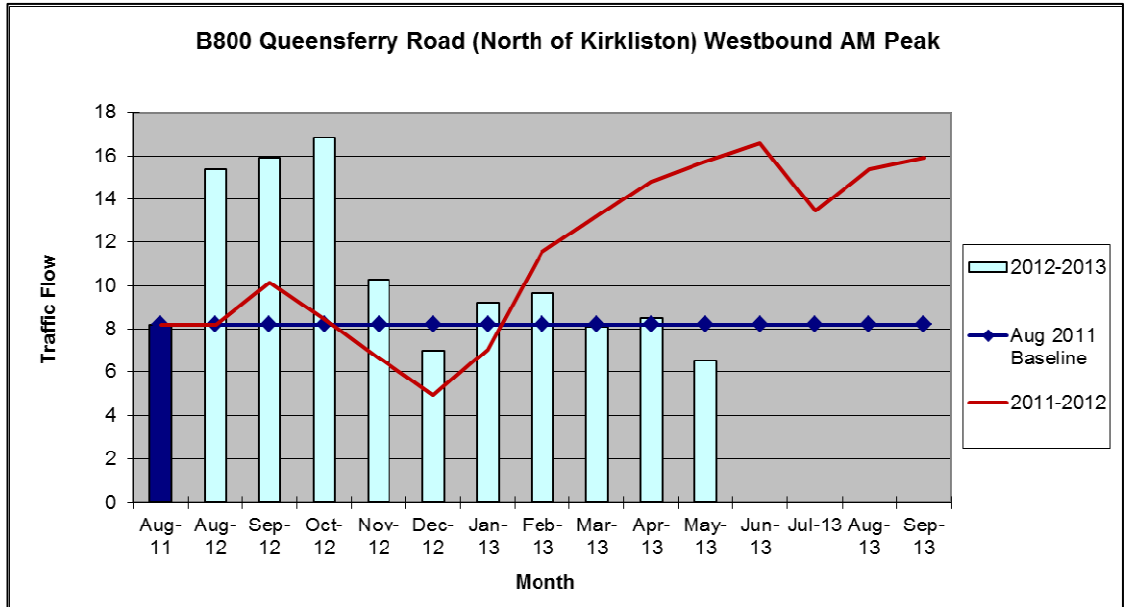


Figure 5-52 Monthly Westbound AM Peak HGV Flows on the B800 Queensferry Road (North of Kirkliston)

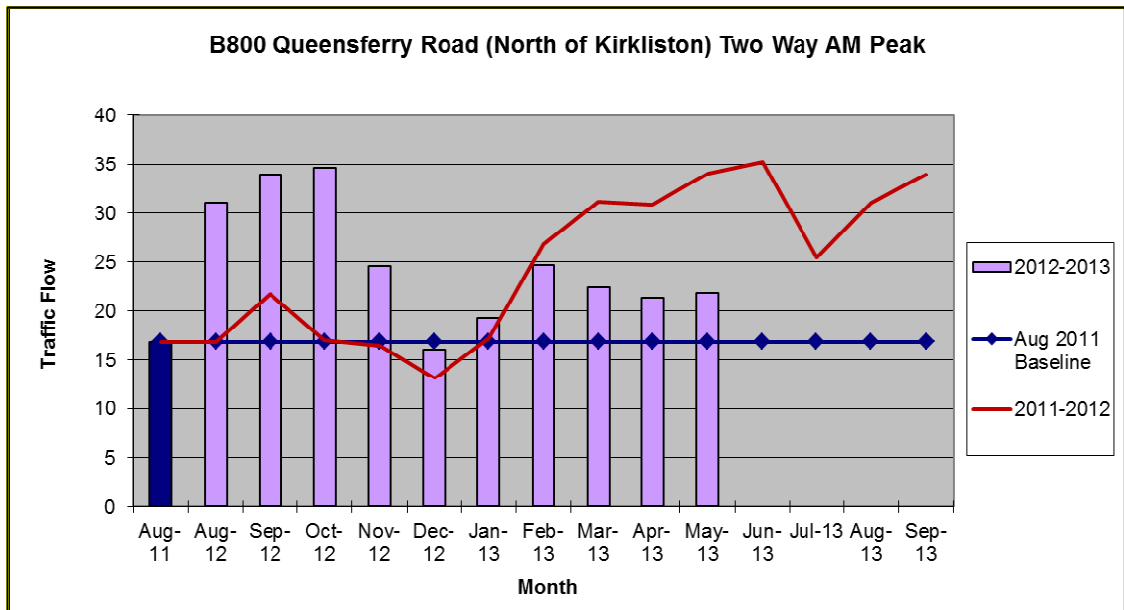


Figure 5-53 Monthly Two Way AM Peak HGV Flows on the B800 Queensferry Road (North of Kirkliston)

### 5.3.6 Monthly Average PM Peak HGV Flows

Table 5-20 Site: JTC00577 PM Peak HGV Traffic Flows – August 2012 to September 2013

Counter	Location	Date	EB	WB	Two Way
JTC00577	B800 Queensferry Road (North of Kirkliston)	Aug-11	6	9	15
		Aug-12	13	18	31
		Sep-12	13	17	31
		Oct-12	13	17	30
		Nov-12	10	15	25
		Dec-12	3	8	12
		Jan-13	3	7	10
		Feb-13	4	9	14
		Mar-13	5	10	14
		Apr-13	5	9	14
		May-13	6	10	16
		Jun-13	6	No Data	No Data
		Jul-13	6	No Data	No Data
		Aug-13	5	No Data	No Data
		Sep-13	5	No Data	No Data
<b>Annual Average</b>			<b>7</b>	<b>12</b>	<b>19</b>

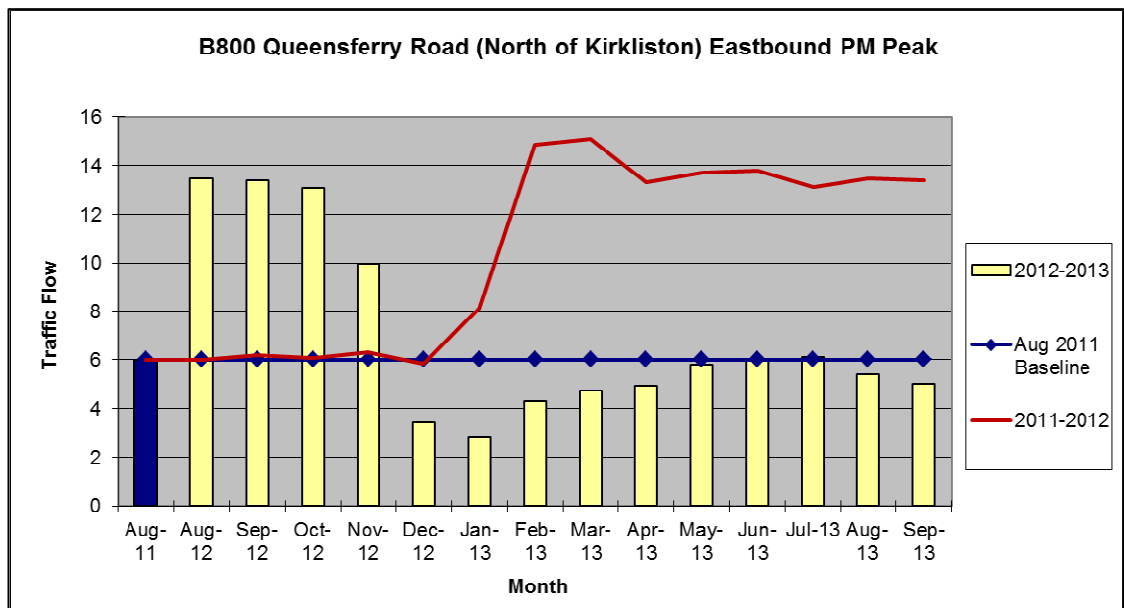


Figure 5-54 Monthly Eastbound PM HGV Peak Flows on the B800 Queensferry Road (North of Kirkliston)

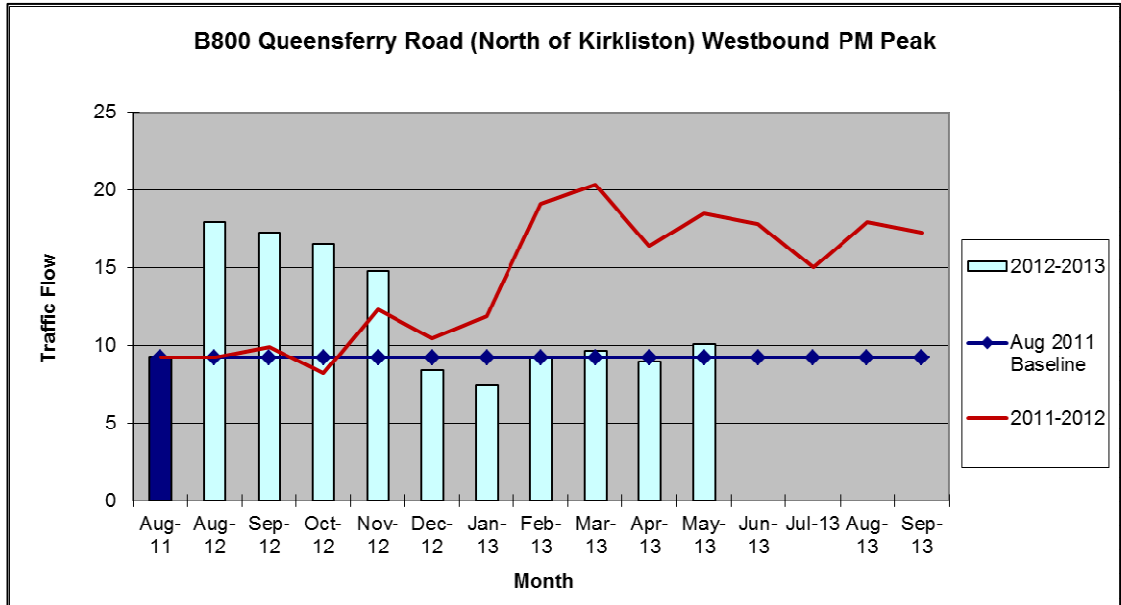


Figure 5-55 Monthly Westbound PM Peak HGV Flows on the B800 Queensferry Road (North of Kirkliston)

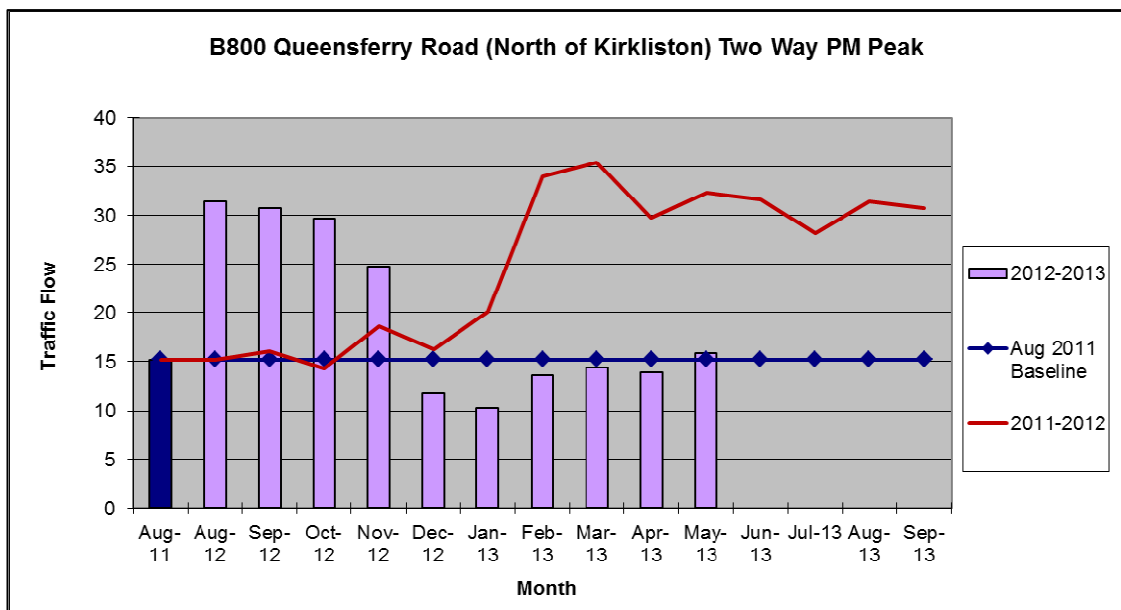
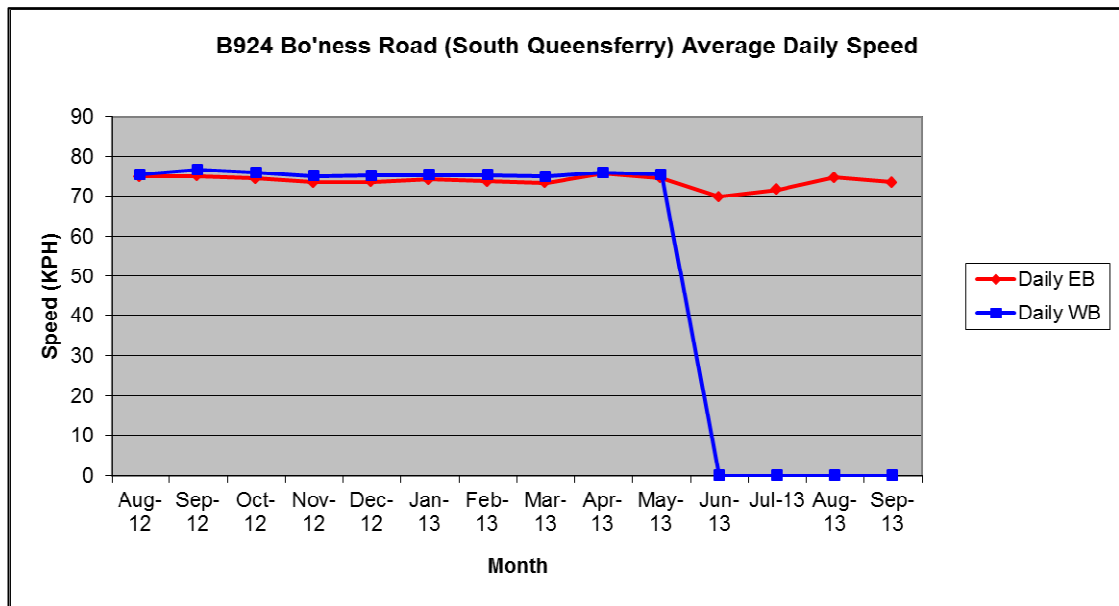


Figure 5-56 Monthly Two Way PM Peak HGV Flows on the B800 Queensferry Road (North of Kirkliston)

### 5.3.7 Monthly Average All Vehicles Traffic Speeds

**Table 5-21 Site: JTC00577 Average Monthly Traffic Speeds (KPH) (All Vehicles) – August 2012 to September 2013**

Counter	Location	Date	EB	WB
JTC00577	B800 Queensferry Road (North of Kirkliston)	Aug-12	75	75
		Sep-12	75	77
		Oct-12	74	76
		Nov-12	74	75
		Dec-12	74	75
		Jan-13	74	75
		Feb-13	74	75
		Mar-13	73	75
		Apr-13	76	76
		May-13	75	75
		Jun-13	70	No Data
		Jul-13	72	No Data
		Aug-13	75	No Data
		Sep-13	73	No Data



**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 2012 to September 2013

Counter	Location	Date	NB	SB	Two Way
JTC00581	B981 Chapel Place (Inverkeithing)	Aug-11	5,249	5,411	10,661
		Aug-12	5,306	6,016	11,322
		Sep-12	5,022	5,634	10,655
		Oct-12	4,920	5,596	10,516
		Nov-12	5,073	5,804	10,877
		Dec-12	4,718	5,274	9,992
		Jan-13	4,528	5,066	9,594
		Feb-13	4,915	5,549	10,464
		Mar-13	4,914	5,581	10,495
		Apr-13	4,969	5,623	10,592
		May-13	5,114	5,774	10,888
		Jun-13	5,079	5,744	10,823
		Jul-13	4,885	5,374	10,259
		Aug-13	5,297	5,943	11,240
		Sep-13	4,987	5,646	10,633
			<b>Annual Average</b>		<b>4,954</b>

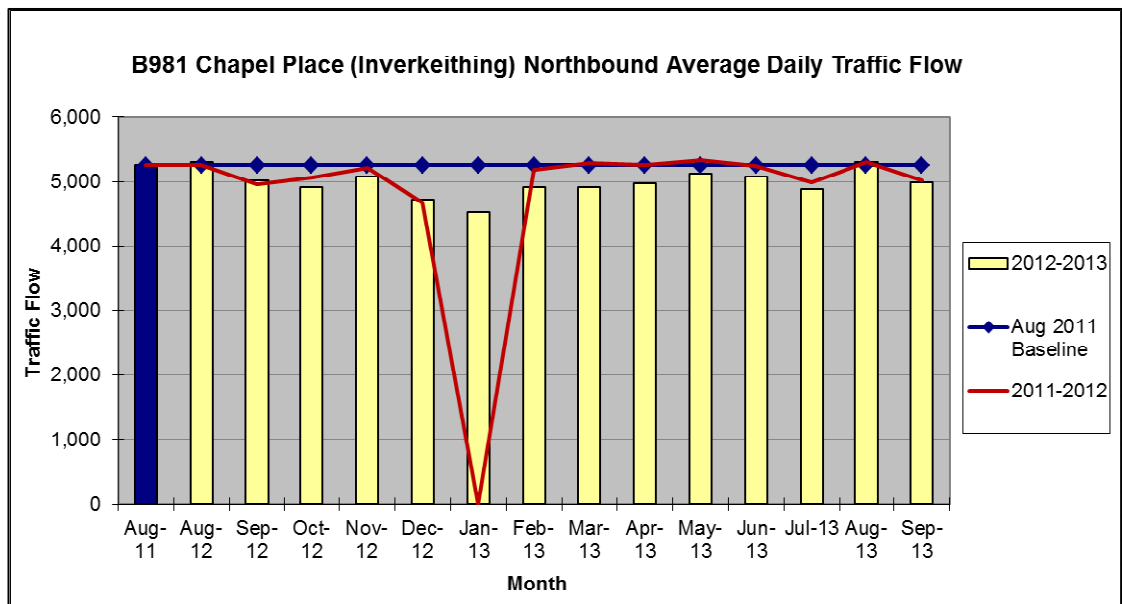


Figure 5-58 Monthly Northbound AADTs on the B981 Chapel Place (Inverkeithing)

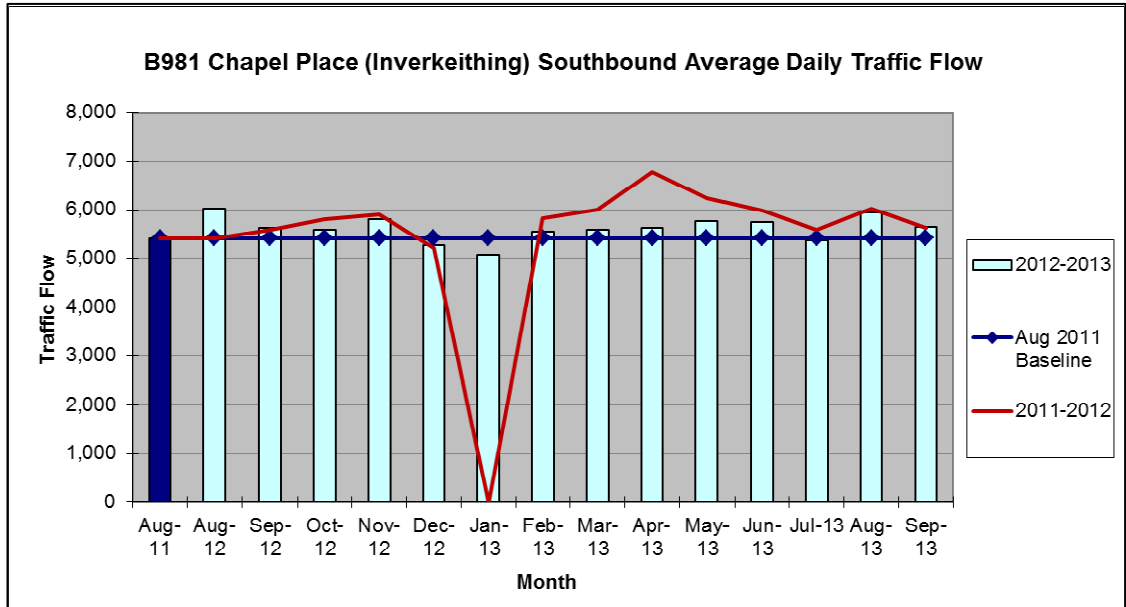


Figure 5-59 Monthly Southbound AADTs on the B981 Chapel Place (Inverkeithing)

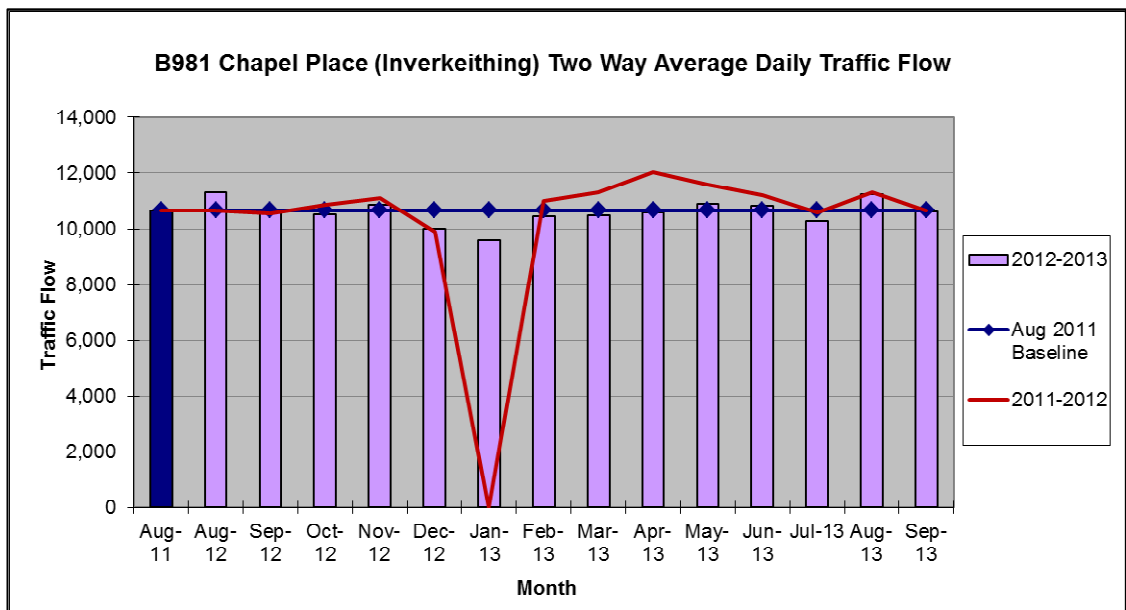


Figure 5-60 Monthly Two Way Daily Traffic Flows on the B981 Chapel Place (Inverkeithing)



### 5.4.2 Monthly Average AM Peak Traffic Flows

Table 5-23 Site: JTC00581 AM Peak Traffic Flows – August 2012 to September 2013

Counter	Location	Date	NB	SB	Two Way
JTC00581	B981 Chapel Place (Inverkeithing)	Aug-11	766	1,032	1,798
		Aug-12	748	1,196	1,944
		Sep-12	752	1,134	1,886
		Oct-12	724	1,149	1,873
		Nov-12	632	1,146	1,778
		Dec-12	608	940	1,549
		Jan-13	676	1,084	1,760
		Feb-13	745	1,200	1,945
		Mar-13	743	1,179	1,922
		Apr-13	742	1,143	1,885
		May-13	789	1,193	1,983
		Jun-13	763	1,142	1,905
		Jul-13	668	988	1,655
		Aug-13	738	1,140	1,878
		Sep-13	757	1,204	1,961
		<b>Annual Average</b>	<b>716</b>	<b>1,125</b>	<b>1,840</b>

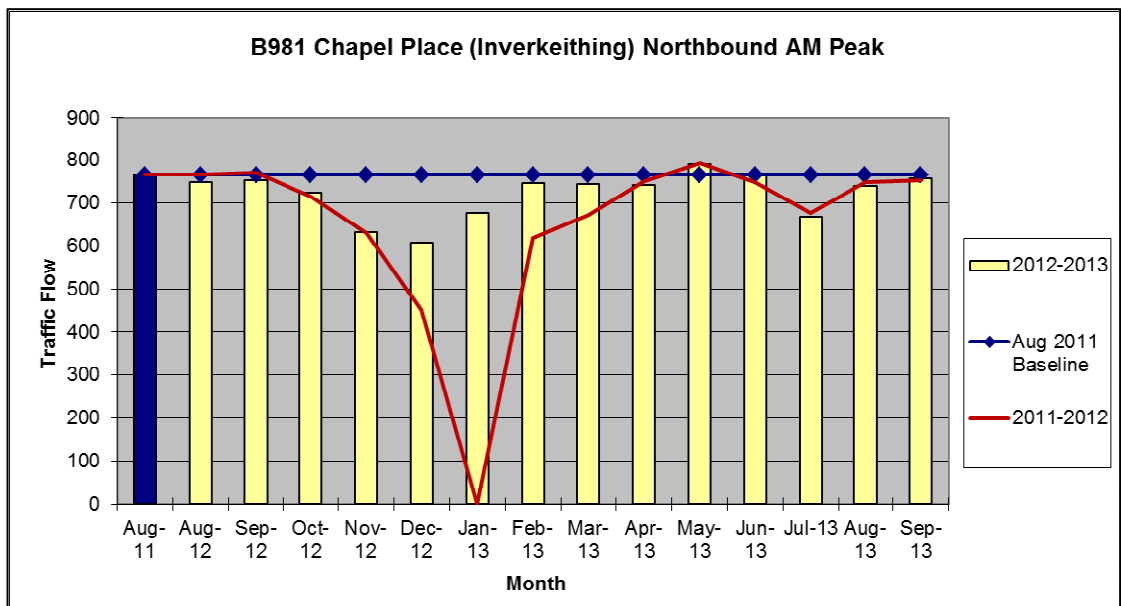


Figure 5-61 Monthly Northbound AM Peak Flows on the B981 Chapel Place (Inverkeithing)

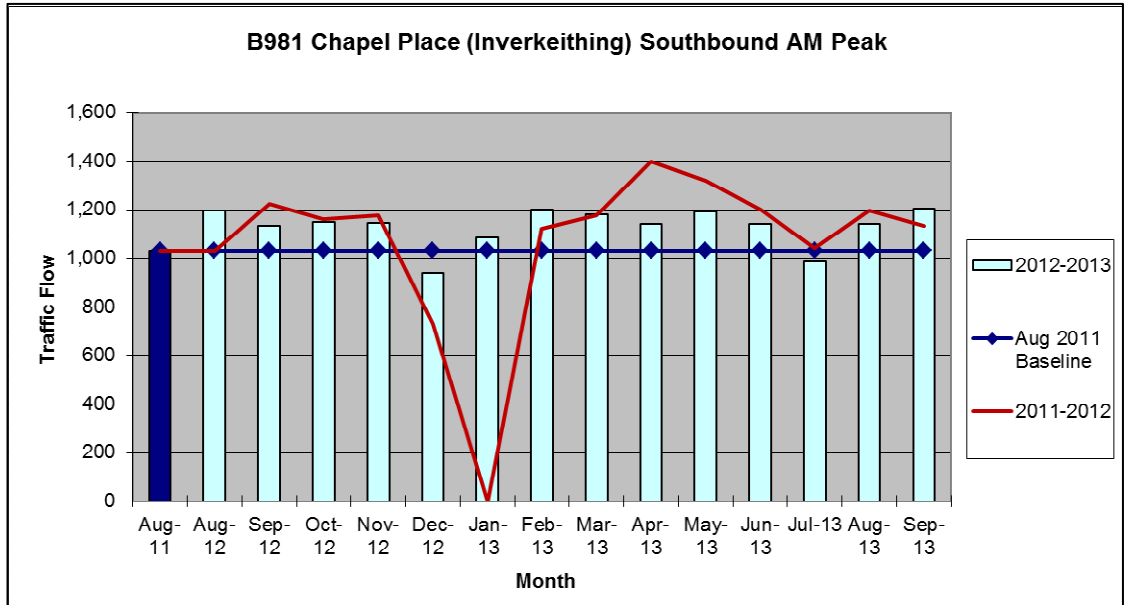


Figure 5-62 Monthly Southbound AM Peak Flows on the B981 Chapel Place (Inverkeithing)

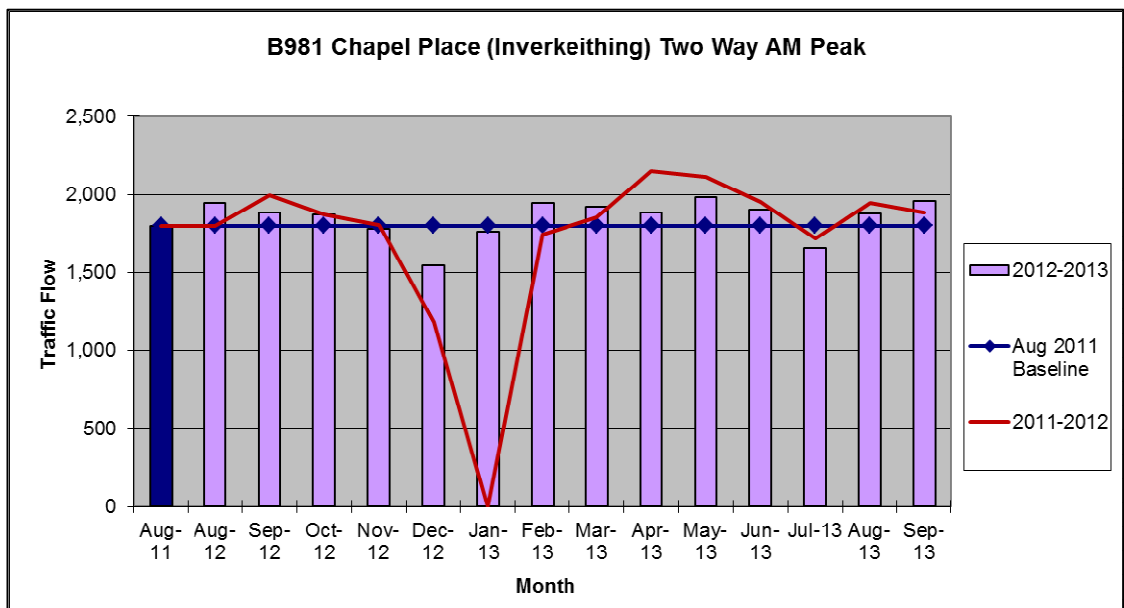


Figure 5-63 Monthly Two Way AM Peak Flows on the B981 Chapel Place (Inverkeithing)

### 5.4.3 Monthly Average PM Peak Traffic Flows

Table 5-24 Site: JTC00581 PM Peak Traffic Flows – August 2012 to September 2013

Counter	Location	Date	NB	SB	Two Way
JTC00581	B981 Chapel Place (Inverkeithing)	Aug-11	1,332	1,196	2,528
		Aug-12	1,325	1,292	2,617
		Sep-12	1,289	1,249	2,538
		Oct-12	1,288	1,229	2,516
		Nov-12	1,238	1,270	2,509
		Dec-12	1,116	1,098	2,214
		Jan-13	1,187	1,073	2,259
		Feb-13	1,297	1,201	2,498
		Mar-13	1,275	1,218	2,494
		Apr-13	1,290	1,241	2,531
		May-13	1,320	1,271	2,591
		Jun-13	1,282	1,265	2,547
		Jul-13	1,247	1,190	2,438
		Aug-13	1,348	1,304	2,652
		Sep-13	1,325	1,279	2,604
		<b>Annual Average</b>	<b>1,263</b>	<b>1,216</b>	<b>2,479</b>

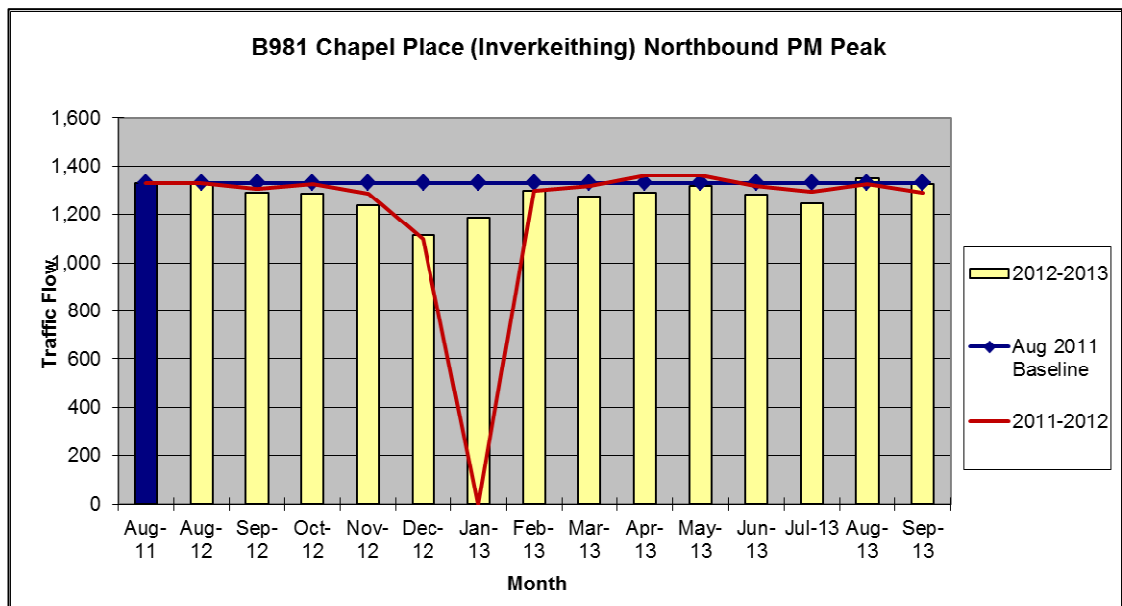


Figure 5-64 Monthly Northbound PM Peak Flows on the B981 Chapel Place (Inverkeithing)

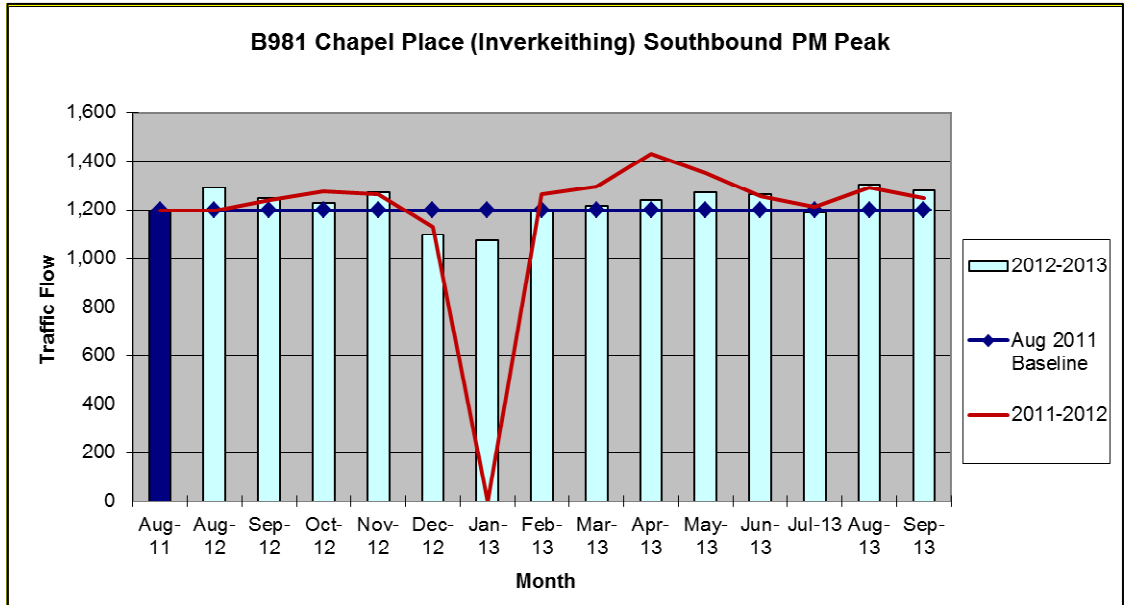


Figure 5-65 Monthly Southbound PM Peak Flows on the B981 Chapel Place (Inverkeithing)

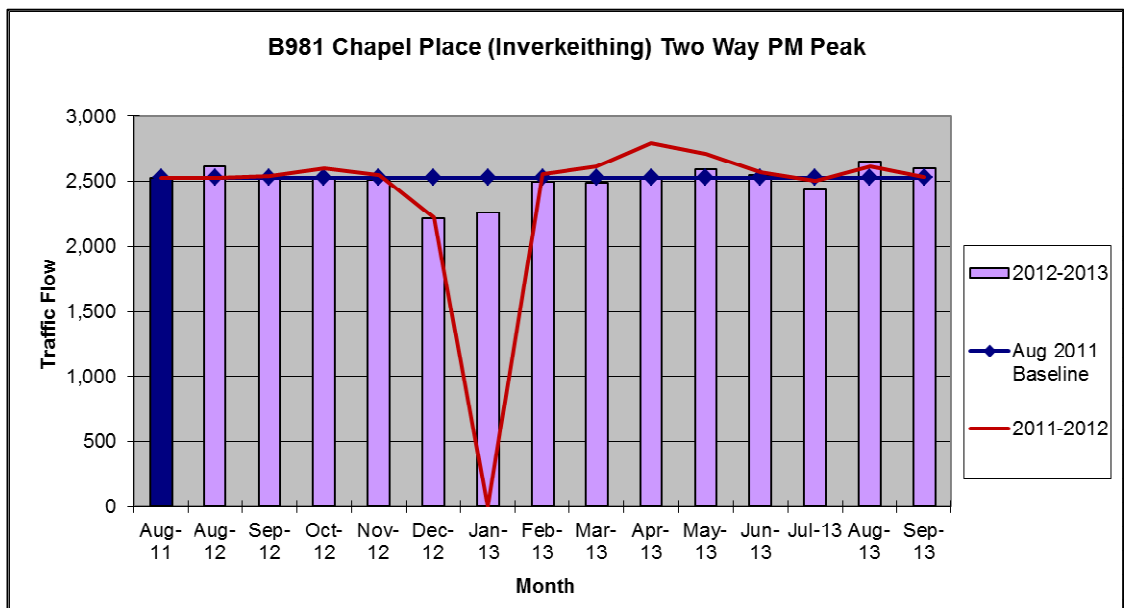


Figure 5-66 Monthly Two Way PM Peak Flows on the B981 Chapel Place (Inverkeithing)

### 5.4.4 Monthly Average HGV Flows

Table 5-25 Site: JTC00581 Annual HGV Traffic Flows – August 2012 to September 2013

Counter	Location	Date	NB	SB	Two Way
JTC00581	B981 Chapel Place (Inverkeithing)	Aug-11	79	71	149
		Aug-12	94	81	175
		Sep-12	83	75	158
		Oct-12	87	77	165
		Nov-12	81	70	151
		Dec-12	60	55	115
		Jan-13	71	62	133
		Feb-13	72	62	134
		Mar-13	73	64	138
		Apr-13	72	62	134
		May-13	74	63	137
		Jun-13	70	62	132
		Jul-13	73	61	133
		Aug-13	80	70	150
Sep-13	69	64	134		
		<b>Annual Average</b>	<b>76</b>	<b>66</b>	<b>142</b>

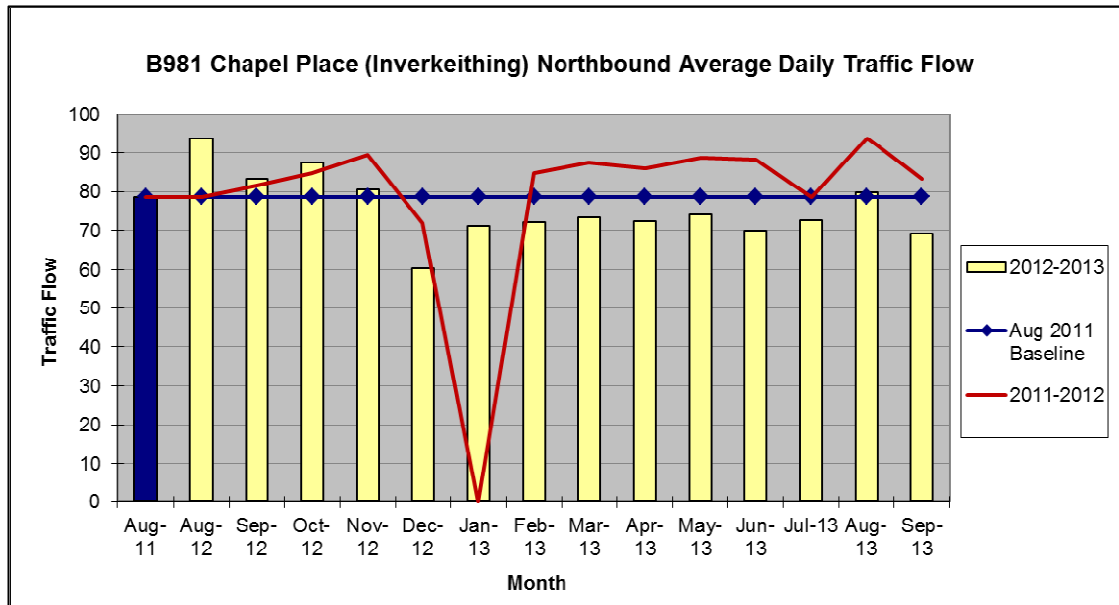


Figure 5-67 Monthly Northbound HGV Flows on the B981 Chapel Place (Inverkeithing)

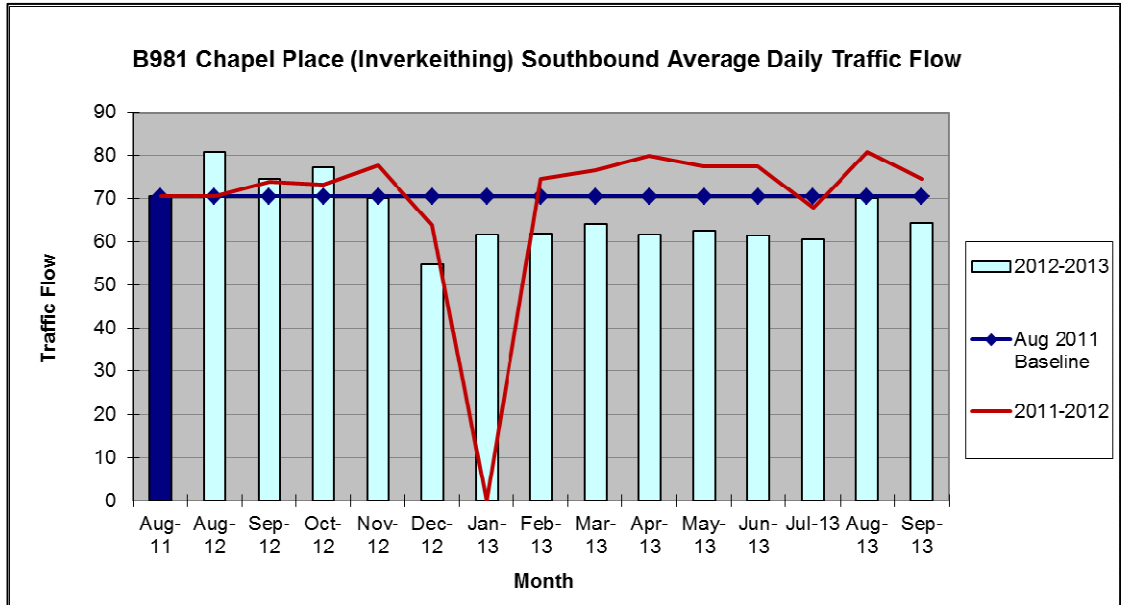


Figure 5-68 Monthly Southbound HGV Flows on the B981 Chapel Place (Inverkeithing)

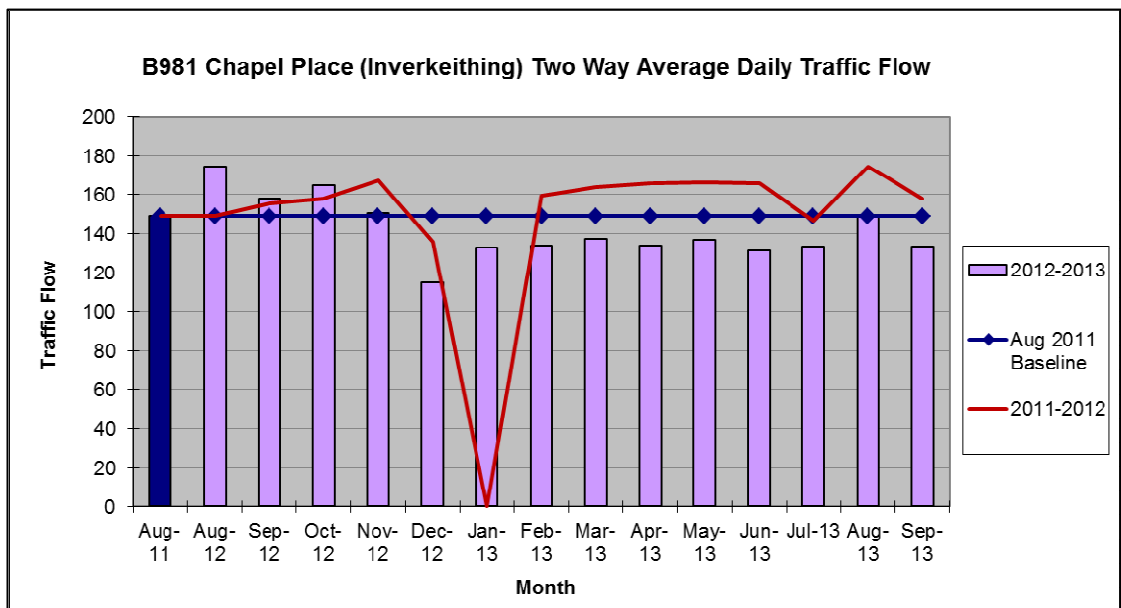


Figure 5-69 Monthly Two Way HGV Flows on the B981 Chapel Place (Inverkeithing)

5.4.5 Monthly Average AM Peak HGV Flows

Table 5-26 Site: JTC00581 AM Peak HGV Traffic Flows – August 2012 to September 2013

Counter	Location	Date	NB	SB	Two Way
JTC00581	B981 Chapel Place (Inverkeithing)	Aug-11	14	15	29
		Aug-12	17	17	33
		Sep-12	17	16	33
		Oct-12	16	17	33
		Nov-12	12	16	28
		Dec-12	11	12	22
		Jan-13	15	15	30
		Feb-13	15	14	28
		Mar-13	15	15	29
		Apr-13	15	14	29
		May-13	15	14	28
		Jun-13	13	14	27
		Jul-13	14	14	27
		Aug-13	13	14	27
Sep-13	14	15	29		
<b>Annual Average</b>			<b>14</b>	<b>14</b>	<b>29</b>

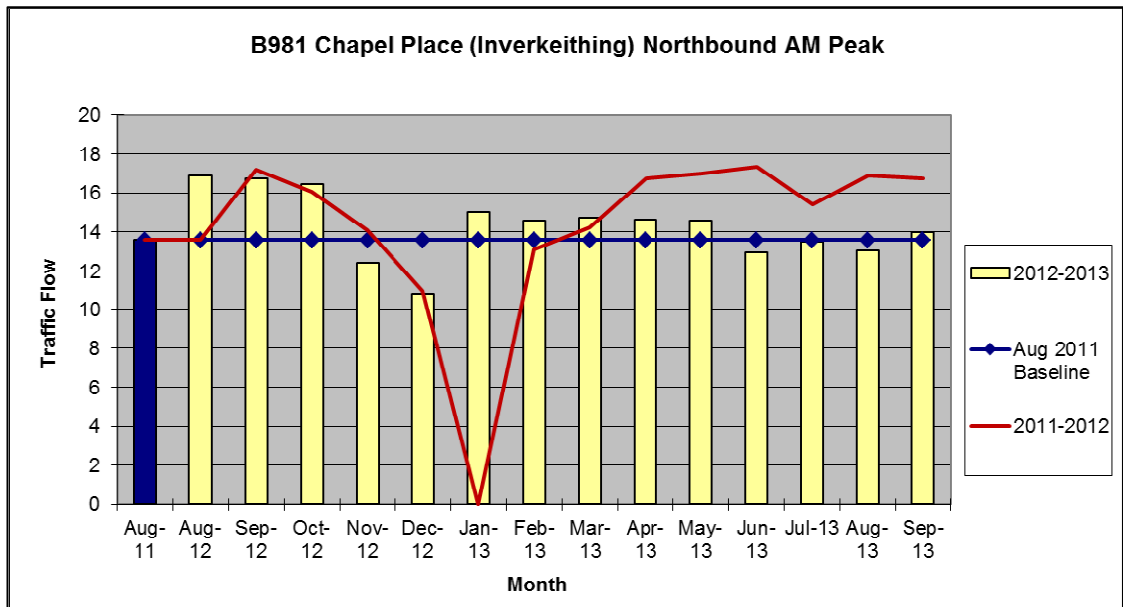


Figure 5-70 Monthly Northbound AM Peak HGV Flows on the B981 Chapel Place (Inverkeithing)

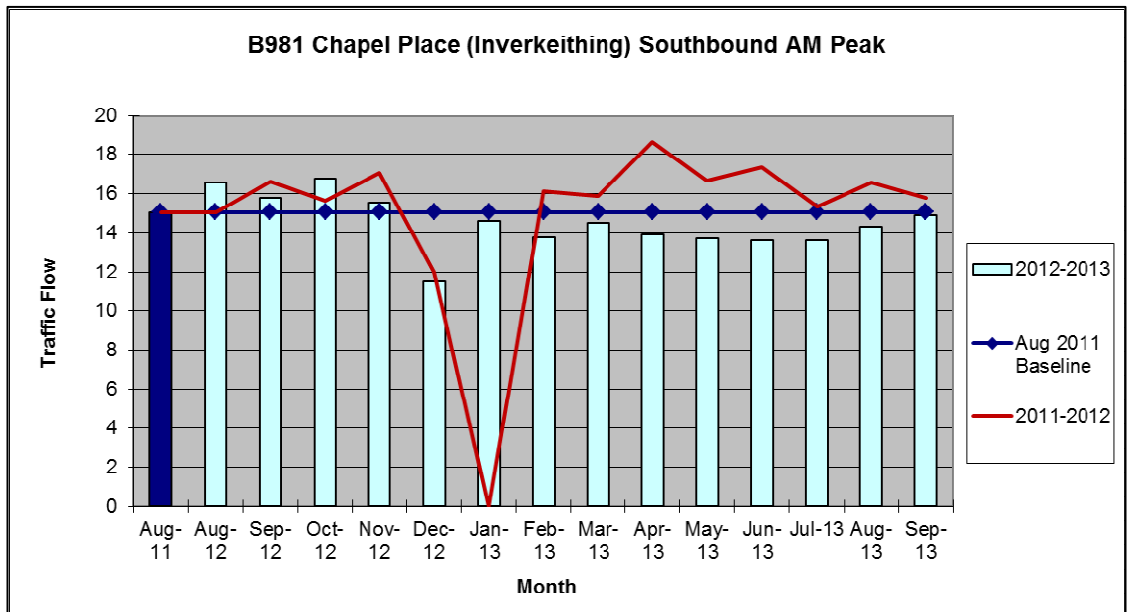


Figure 5-71 Monthly Southbound AM Peak HGV Flows on the B981 Chapel Place (Inverkeithing)

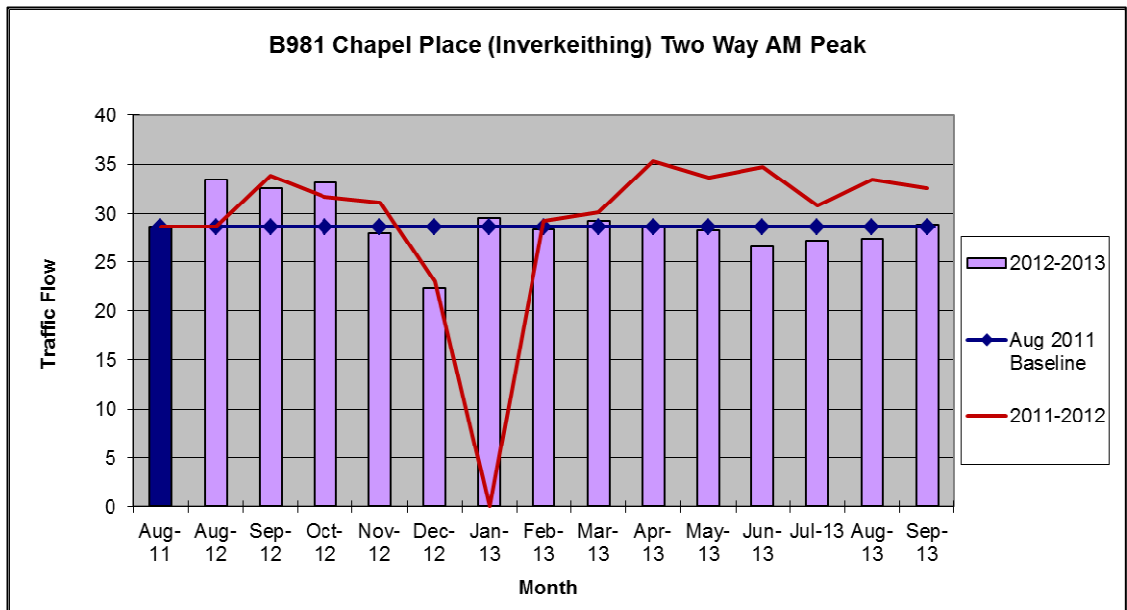


Figure 5-72 Monthly Two Way AM Peak HGV Flows on the B981 Chapel Place (Inverkeithing)



### 5.4.6 Monthly Average PM Peak HGV Flows

Table 5-27 Site: JTC00581 PM Peak HGV Traffic Flows – August 2012 to September 2013

Counter	Location	Date	NB	SB	Two Way
JTC00581	B981 Chapel Place (Inverkeithing)	Aug-11	19	14	33
		Aug-12	25	16	41
		Sep-12	21	13	35
		Oct-12	22	14	36
		Nov-12	20	16	35
		Dec-12	15	10	25
		Jan-13	18	10	28
		Feb-13	19	11	29
		Mar-13	20	11	31
		Apr-13	19	10	29
		May-13	21	10	31
		Jun-13	19	10	29
		Jul-13	20	10	30
		Aug-13	22	12	34
		Sep-13	20	10	30
	<b>Annual Average</b>	<b>20</b>	<b>12</b>	<b>32</b>	

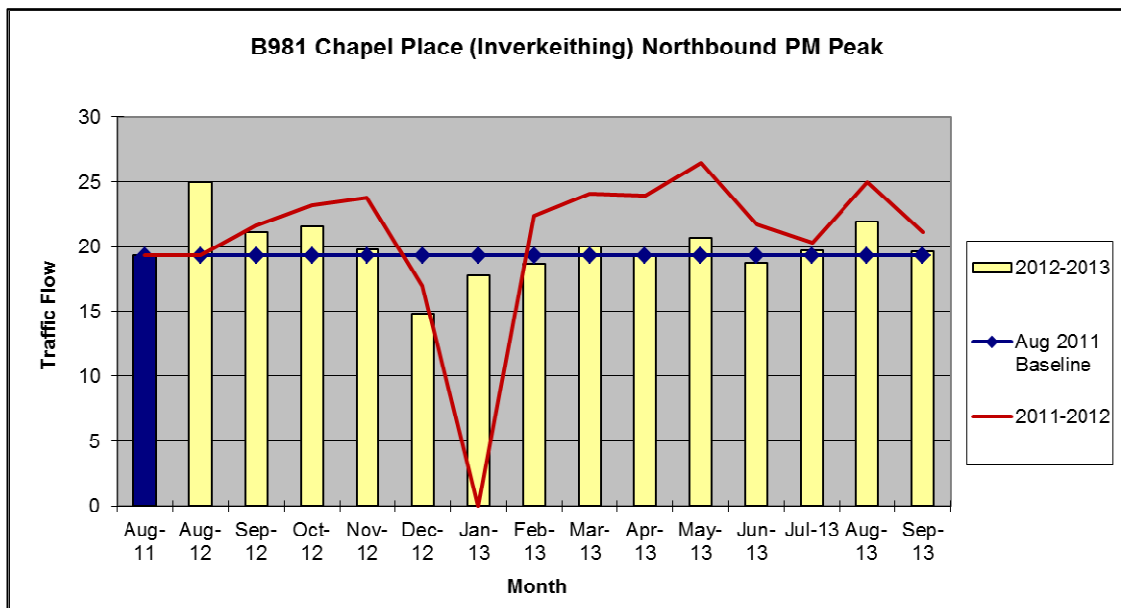


Figure 5-73 Monthly Northbound PM HGV Peak Flows on the B981 Chapel Place (Inverkeithing)

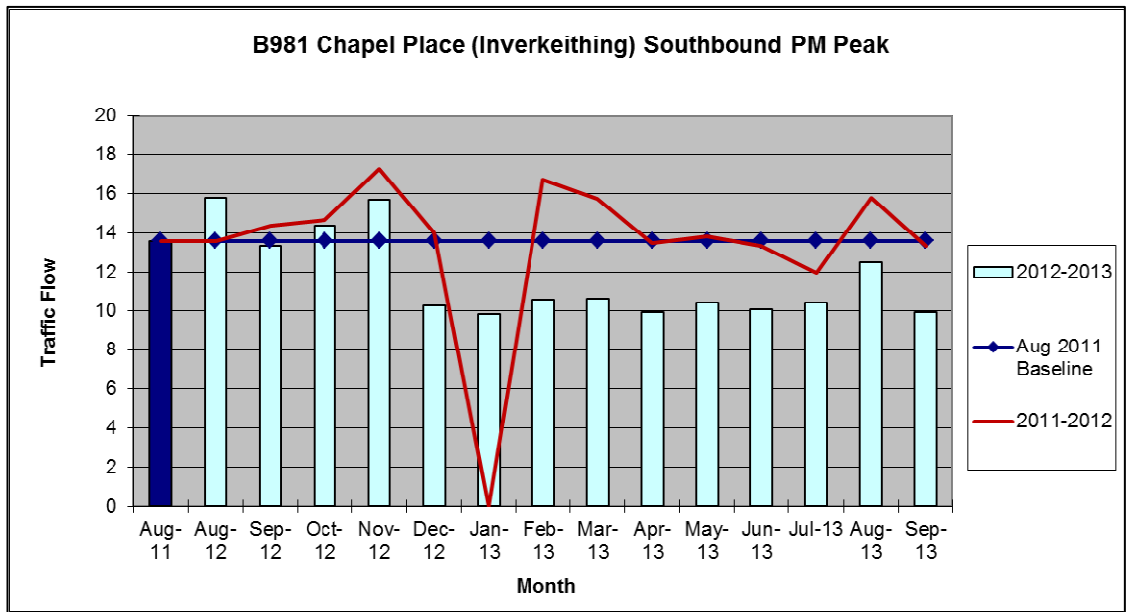


Figure 5-74 Monthly Southbound PM Peak HGV Flows on the B981 Chapel Place (Inverkeithing)

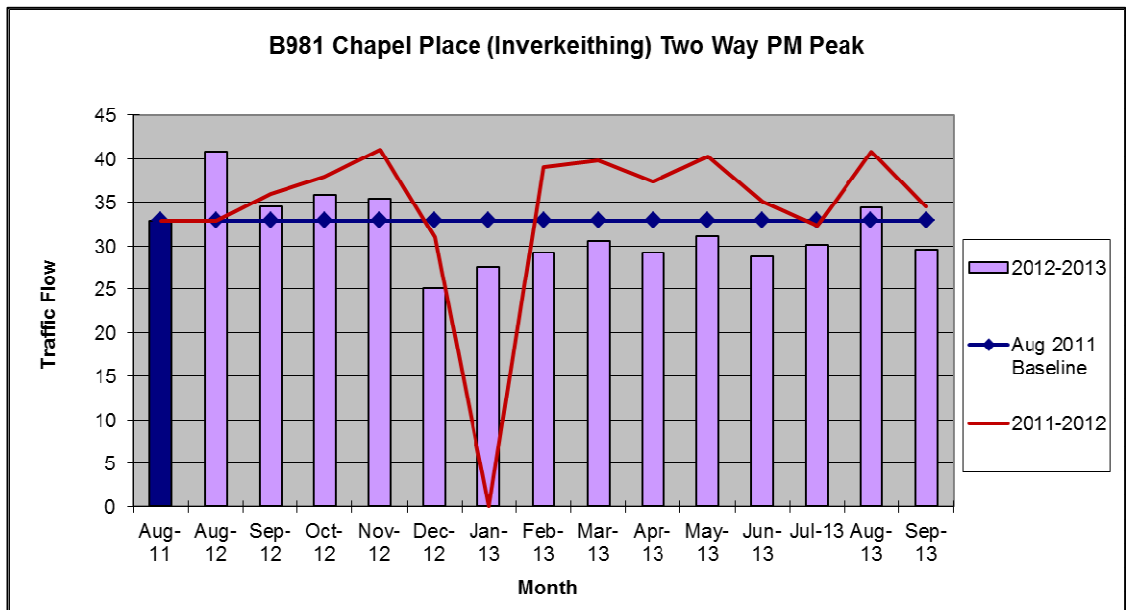


Figure 5-75 Monthly Two Way PM Peak HGV Flows on the B981 Chapel Place (Inverkeithing)

5.4.7 Monthly Average All Vehicles Traffic Speeds

Table 5-28 Site: JTC00581 Average Monthly Traffic Speeds (KPH) (All Vehicles) – August 2012 to September 2013

Counter	Location	Date	NB	SB
JTC00581	B981 Chapel Place (Inverkeithing)	Aug-12	44	44
		Sep-12	45	45
		Oct-12	44	45
		Nov-12	44	44
		Dec-12	44	44
		Jan-13	44	44
		Feb-13	44	44
		Mar-13	44	44
		Apr-13	45	45
		May-13	45	45
		Jun-13	45	45
		Jul-13	45	45
		Aug-13	44	44
		Sep-13	45	44

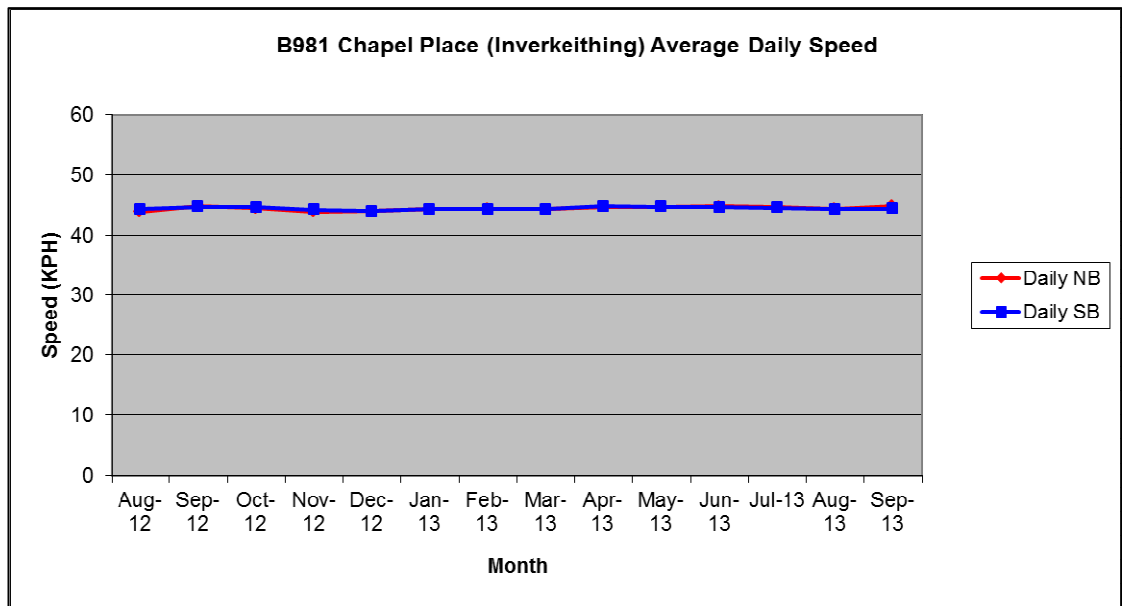


Figure 5-76 Average Monthly Traffic Speeds (KPH) on the B981 Chapel Place (Inverkeithing)

## 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 2012 to September 2013

Counter	Location	Date	EB	WB	Two Way		
JTC00582	B916 Aberdour Road (Dunfermline)	Aug-11	3,446	3,904	7,349		
		Aug-12	4,570	4,775	9,345		
		Sep-12	4,422	4,640	9,062		
		Oct-12	4,314	4,472	8,786		
		Nov-12	4,497	4,697	9,195		
		Dec-12	4,084	4,156	8,240		
		Jan-13	3,891	4,015	7,905		
		Feb-13	4,260	4,400	8,659		
		Mar-13	4,257	4,595	8,852		
		Apr-13	4,354	4,580	8,934		
		May-13	4,576	4,750	9,325		
		Jun-13	4,484	4,629	9,113		
		Jul-13	4,242	4,345	8,586		
		Aug-13	4,552	4,616	9,169		
		Sep-13	4,414	4,550	8,964		
		<b>Annual Average</b>			<b>4,329</b>	<b>4,504</b>	<b>8,834</b>

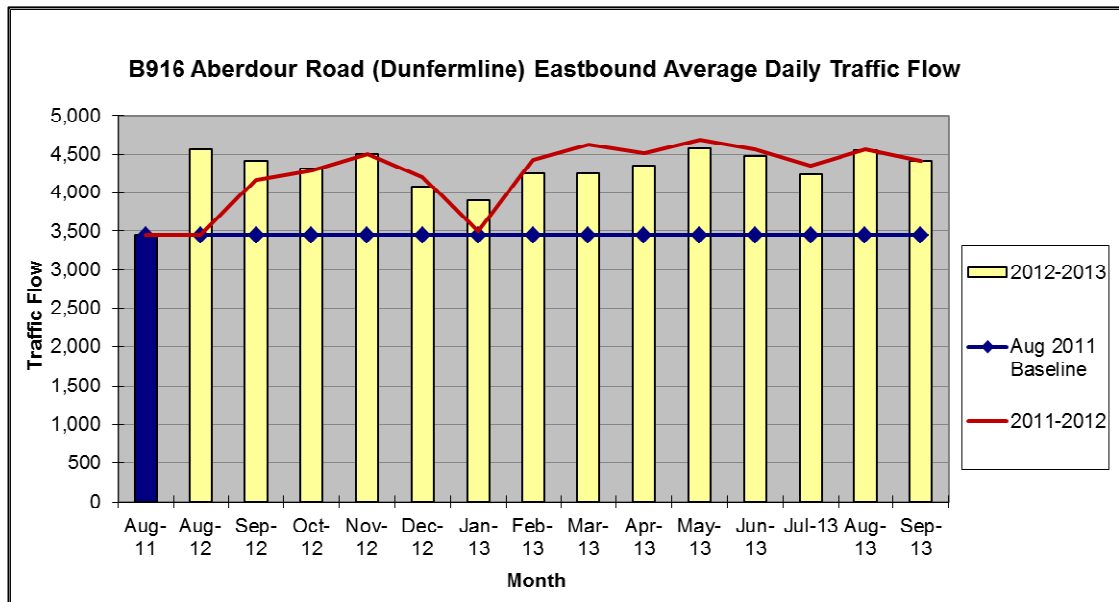


Figure 5-77 Monthly Eastbound AADTs on the B916 Aberdour Road (Dunfermline)

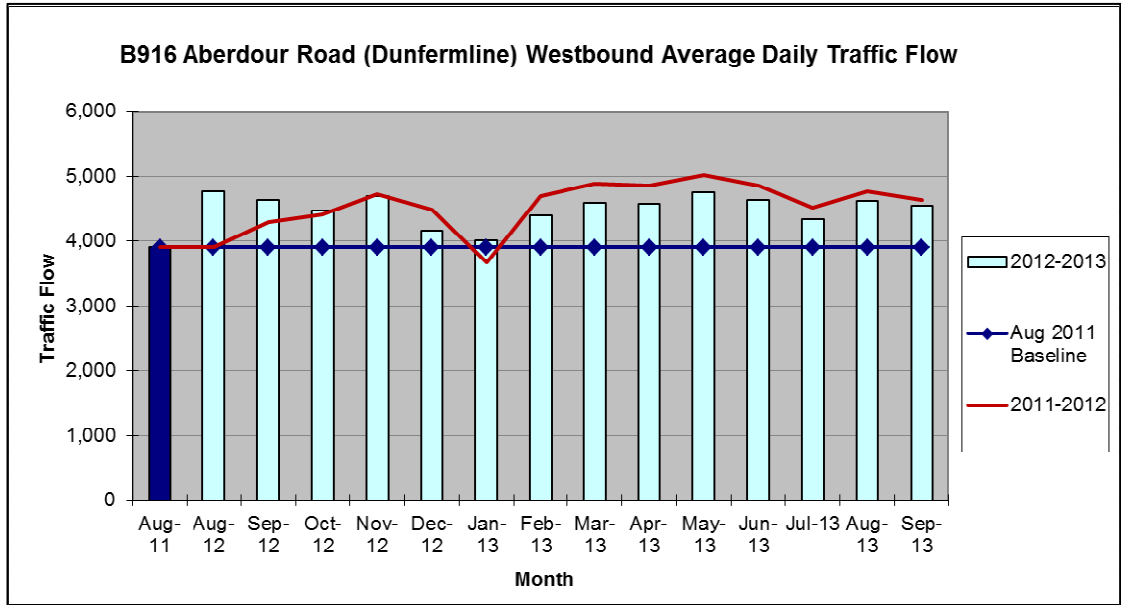


Figure 5-78 Monthly Westbound AADTs on the B916 Aberdour Road (Dunfermline)

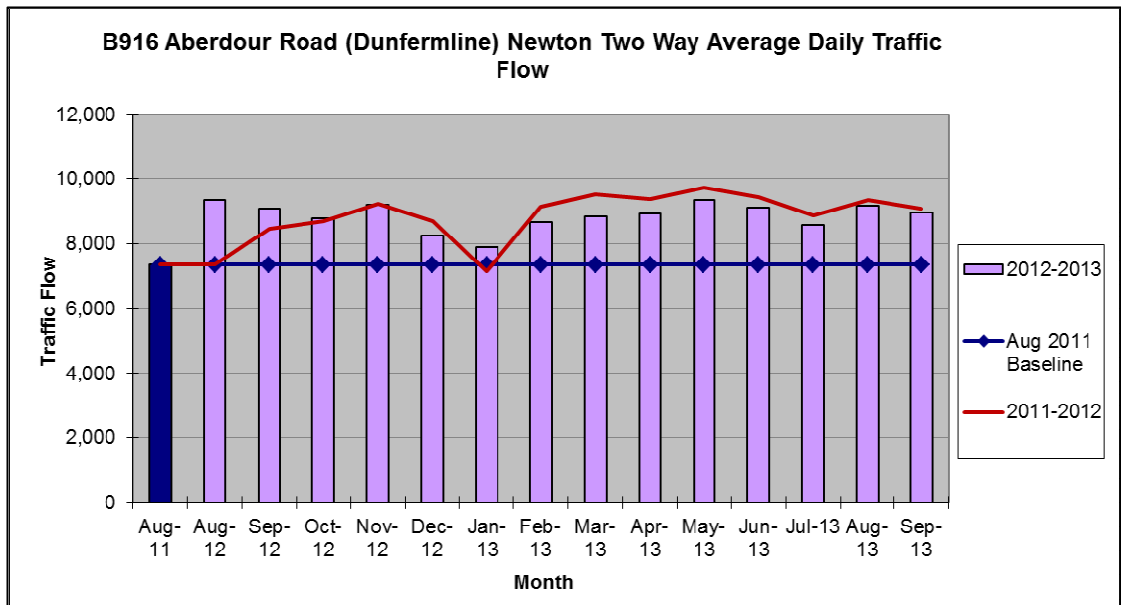


Figure 5-79 Monthly Two Way Daily Traffic Flows on the B916 Aberdour Road (Dunfermline)

### 5.5.2 Monthly Average AM Peak Traffic Flows

Table 5-30 Site: JTC00582 AM Peak Traffic Flows – August 2012 to September 2013

Counter	Location	Date	EB	WB	Two Way
JTC00582	B916 Aberdour Road (Dunfermline)	Aug-11	524	637	1,162
		Aug-12	794	772	1,566
		Sep-12	785	786	1,571
		Oct-12	774	722	1,496
		Nov-12	758	669	1,427
		Dec-12	636	609	1,245
		Jan-13	709	680	1,388
		Feb-13	793	755	1,547
		Mar-13	759	819	1,578
		Apr-13	762	740	1,501
		May-13	819	788	1,607
		Jun-13	772	738	1,510
		Jul-13	700	640	1,340
		Aug-13	774	731	1,505
		Sep-13	805	771	1,576
			<b>Annual Average</b>		<b>755</b>

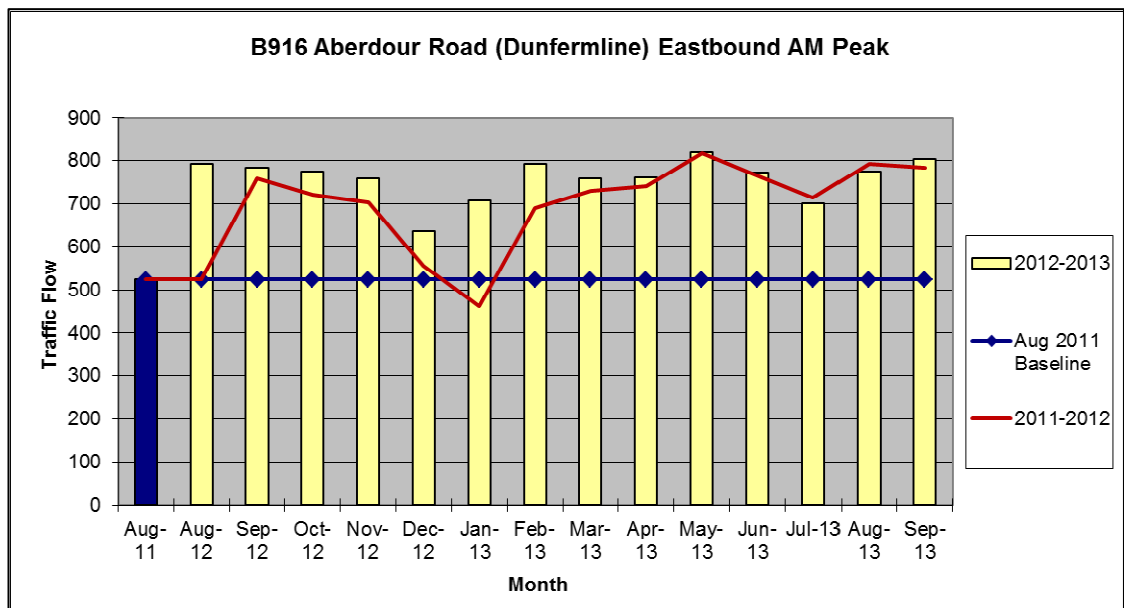


Figure 5-80 Monthly Eastbound AM Peak Flows on the B916 Aberdour Road (Dunfermline)

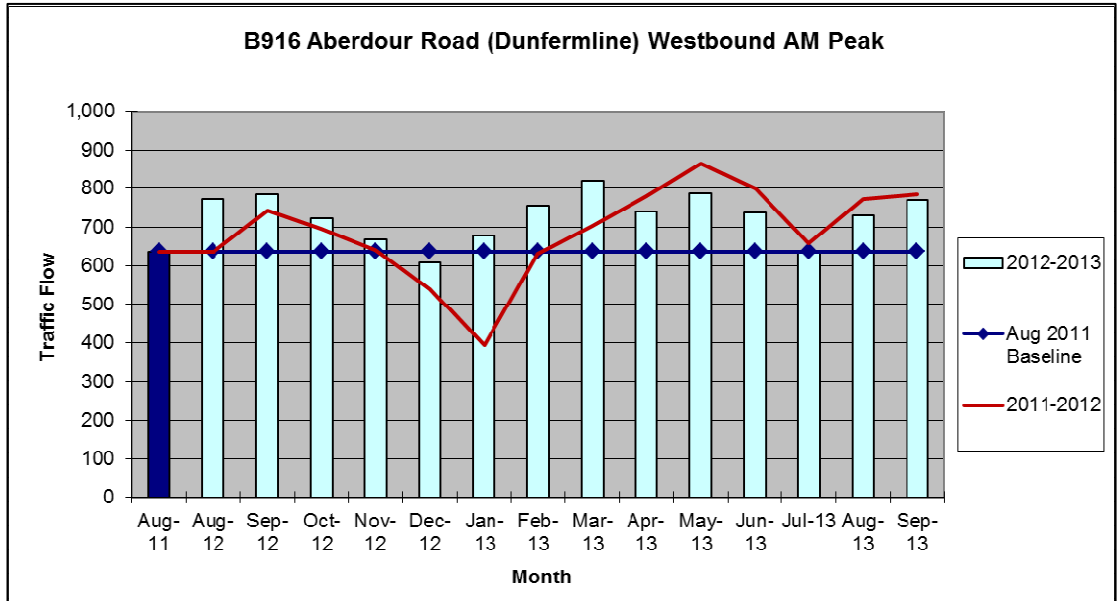


Figure 5-81 Monthly Westbound AM Peak Flows on the B916 Aberdour Road (Dunfermline)

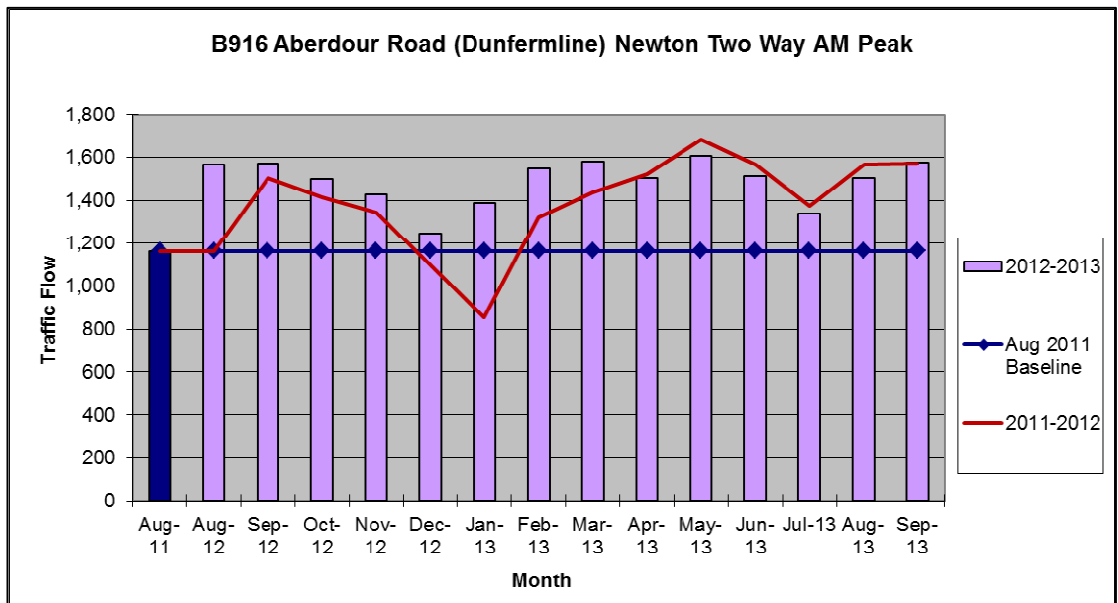


Figure 5-82 Monthly Two Way AM Peak Flows on the B916 Aberdour Road (Dunfermline)

### 5.5.3 Monthly Average PM Peak Traffic Flows

Table 5-31 Site: JTC00582 PM Peak Traffic Flows – August 2012 to September 2013

Counter	Location	Date	EB	WB	Two Way
JTC00582	B916 Aberdour Road (Dunfermline)	Aug-11	799	996	1,794
		Aug-12	972	1,278	2,251
		Sep-12	948	1,234	2,182
		Oct-12	925	1,201	2,126
		Nov-12	1,036	1,213	2,249
		Dec-12	838	981	1,819
		Jan-13	809	1,054	1,862
		Feb-13	919	1,176	2,095
		Mar-13	923	1,247	2,170
		Apr-13	937	1,234	2,171
		May-13	990	1,258	2,249
		Jun-13	954	1,220	2,174
		Jul-13	904	1,153	2,057
		Aug-13	983	1,205	2,188
		Sep-13	974	1,220	2,194
<b>Annual Average</b>			<b>930</b>	<b>1,187</b>	<b>2,117</b>

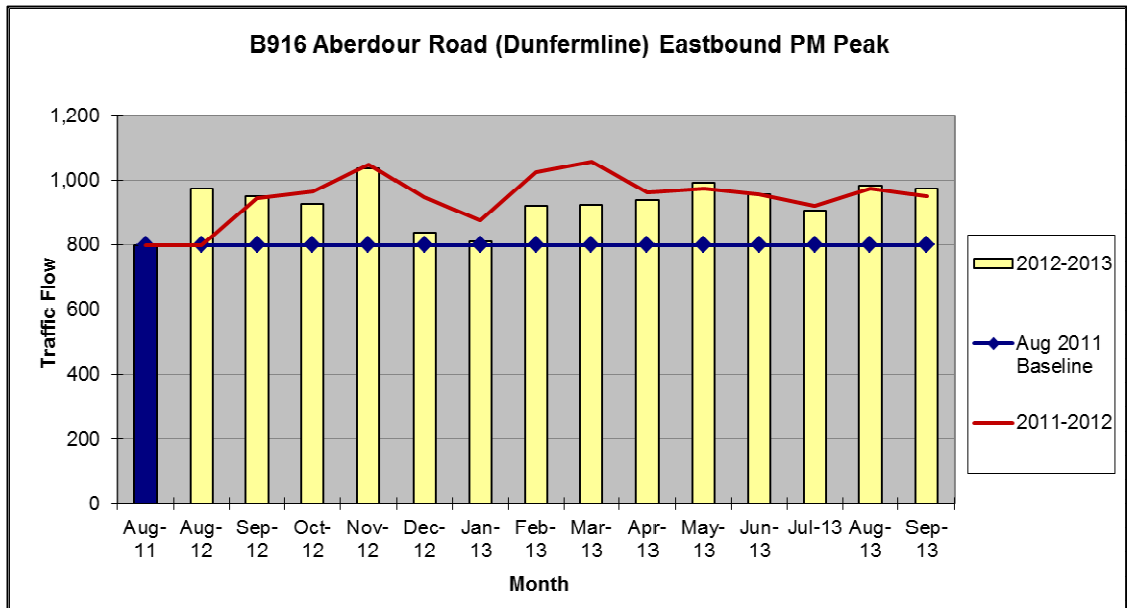


Figure 5-83 Monthly Eastbound PM Peak Flows on the B916 Aberdour Road (Dunfermline)



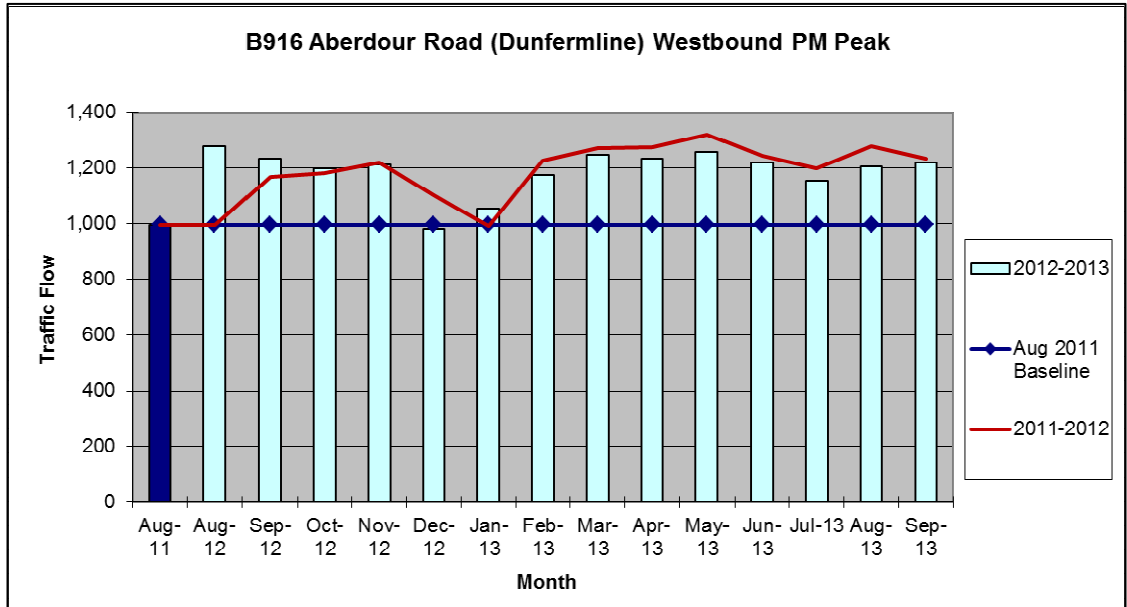


Figure 5-84 Monthly Westbound PM Peak Flows on the B916 Aberdour Road (Dunfermline)

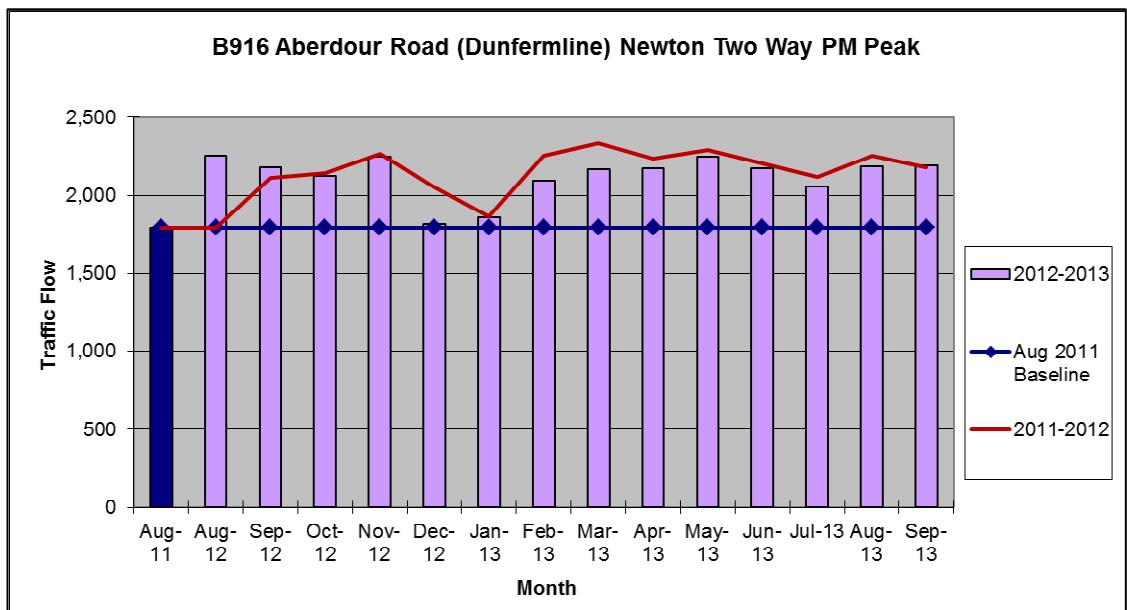


Figure 5-85 Monthly Two Way PM Peak Flows on the B916 Aberdour Road (Dunfermline)

### 5.5.4 Monthly Average HGV Flows

Table 5-32 Site: JTC00582 Annual HGV Traffic Flows – August 2012 to September 2013

Counter	Location	Date	EB	WB	Two Way
JTC00582	B916 Aberdour Road (Dunfermline)	Aug-11	50	51	101
		Aug-12	21	18	39
		Sep-12	21	18	39
		Oct-12	22	20	42
		Nov-12	23	22	45
		Dec-12	23	21	44
		Jan-13	19	17	36
		Feb-13	21	19	40
		Mar-13	21	19	40
		Apr-13	19	16	35
		May-13	22	19	41
		Jun-13	23	21	44
		Jul-13	21	20	41
		Aug-13	22	19	41
		Sep-13	20	19	39
<b>Annual Average</b>			<b>21</b>	<b>19</b>	<b>41</b>

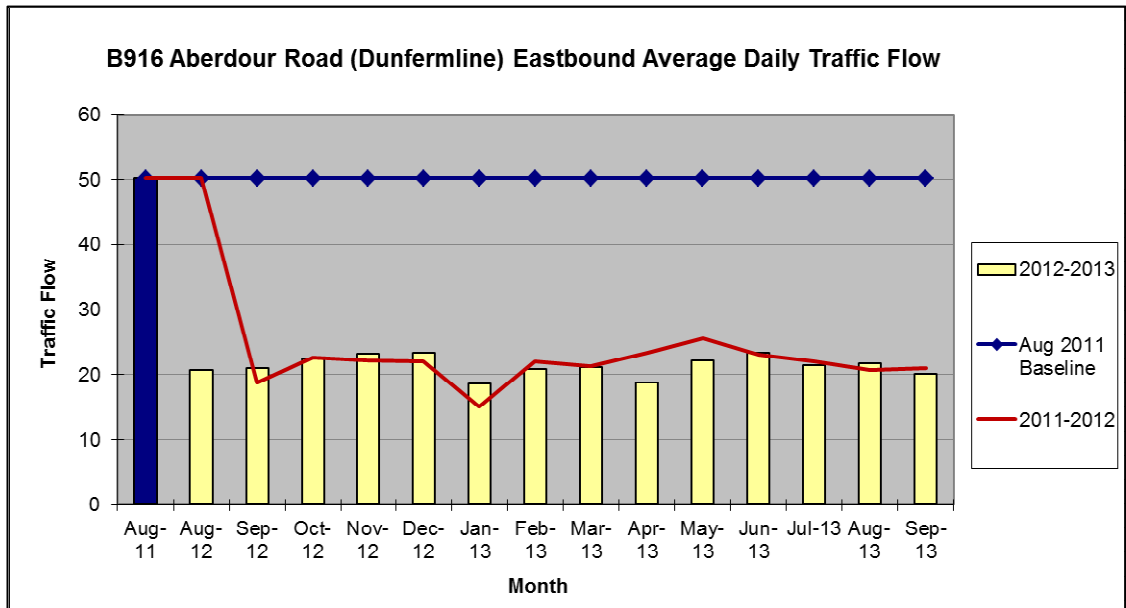


Figure 5-86 Monthly Eastbound HGV Flows on the B916 Aberdour Road (Dunfermline)

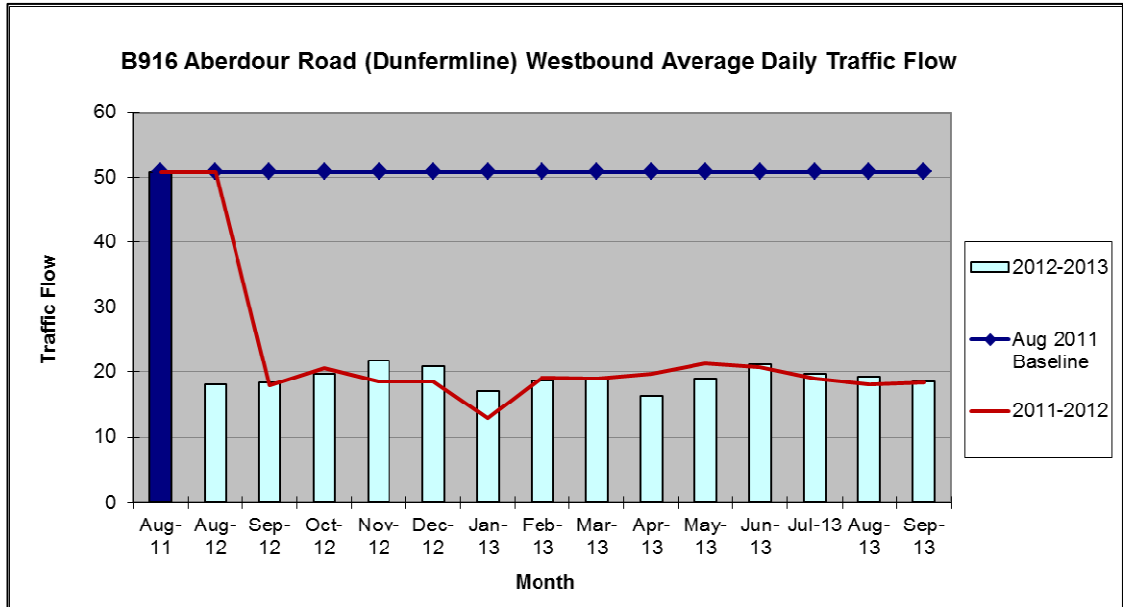


Figure 5-87 Monthly Westbound HGV Flows on the B916 Aberdour Road (Dunfermline)

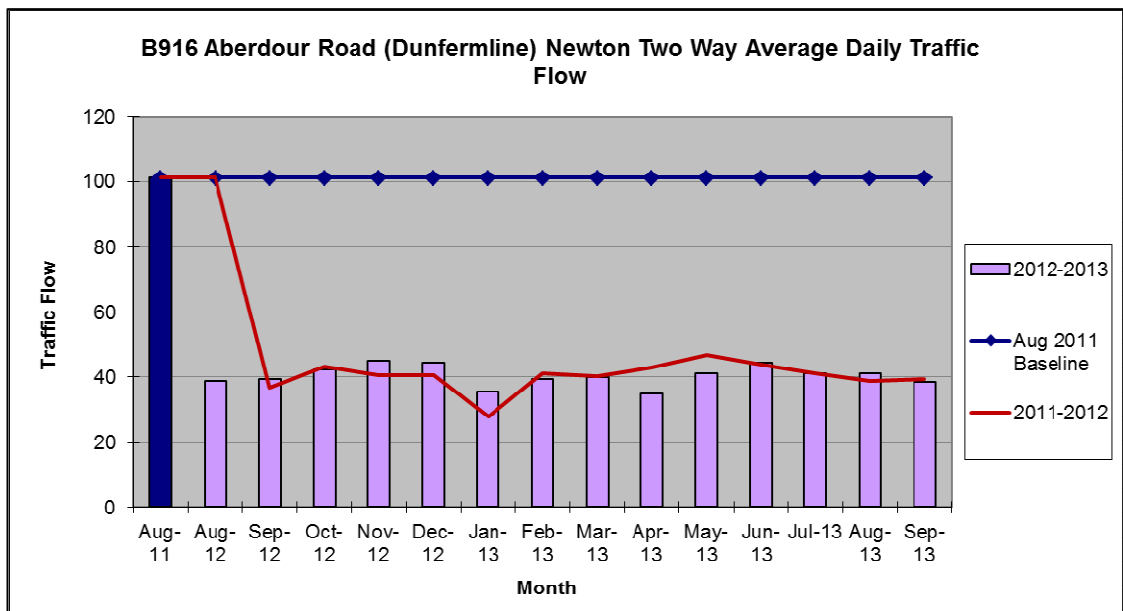


Figure 5-88 Monthly Two Way HGV Flows on the B916 Aberdour Road (Dunfermline)

### 5.5.5 Monthly Average AM Peak HGV Flows

Table 5-33 Site: JTC00582 AM Peak HGV Traffic Flows – August 2012 to September 2013

Counter	Location	Date	EB	WB	Two Way
JTC00582	B916 Aberdour Road (Dunfermline)	Aug-11	11	14	25
		Aug-12	4	4	7
		Sep-12	4	4	8
		Oct-12	3	3	7
		Nov-12	3	3	7
		Dec-12	4	4	7
		Jan-13	3	3	6
		Feb-13	3	4	7
		Mar-13	3	4	6
		Apr-13	3	3	6
		May-13	3	4	7
		Jun-13	3	4	7
		Jul-13	3	4	7
		Aug-13	3	4	7
		Sep-13	2	4	6
<b>Annual Average</b>			<b>3</b>	<b>4</b>	<b>7</b>

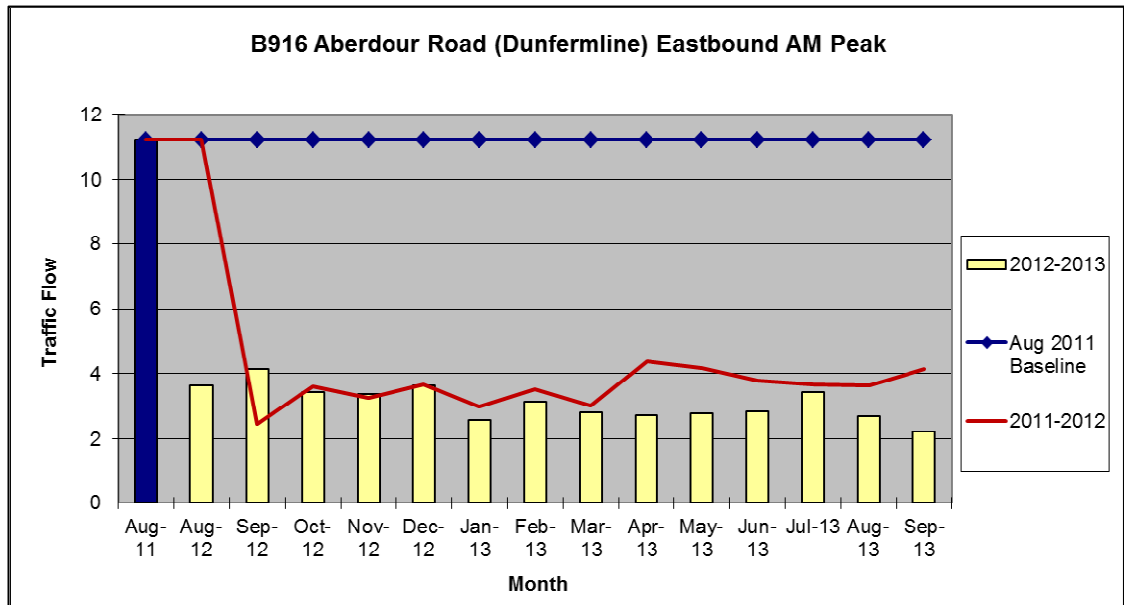


Figure 5-89 Monthly Eastbound AM Peak HGV Flows on the B916 Aberdour Road (Dunfermline)

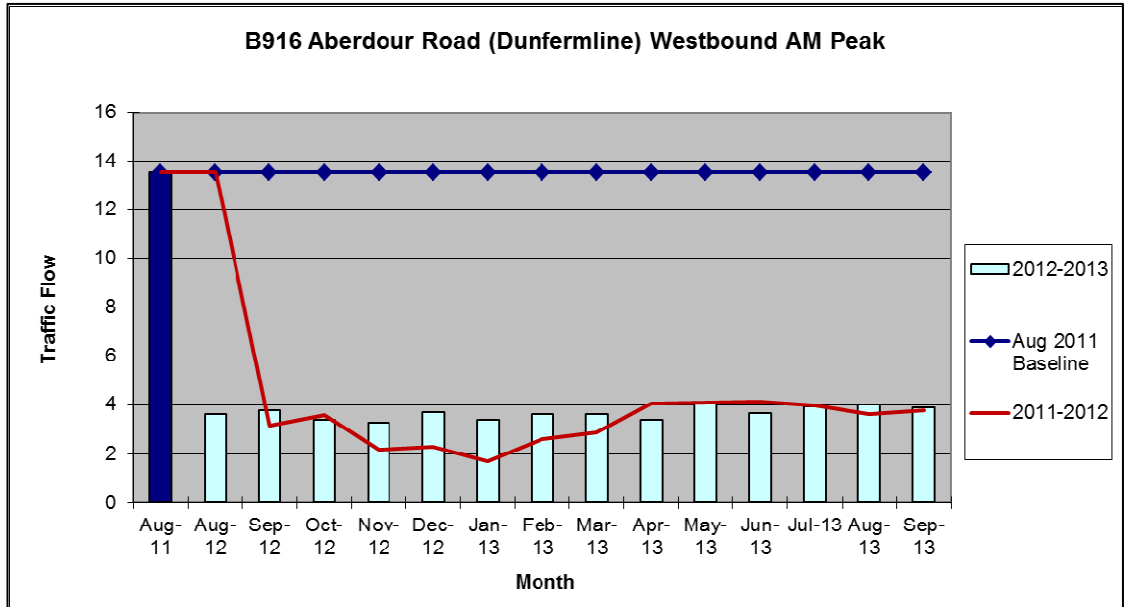


Figure 5-90 Monthly Westbound AM Peak HGV Flows on the B916 Aberdour Road (Dunfermline)

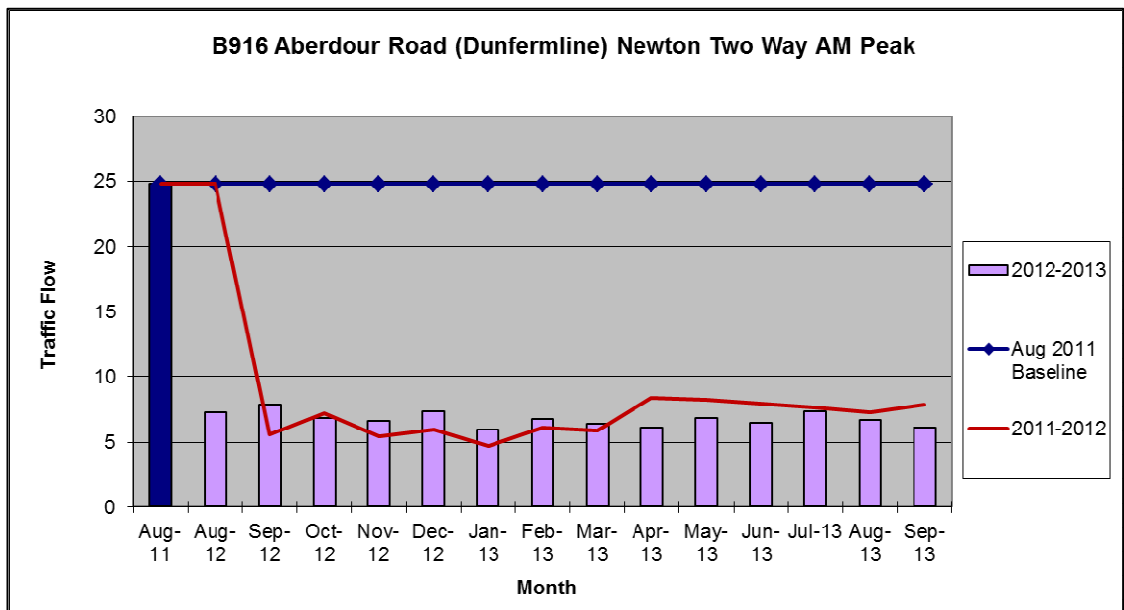


Figure 5-91 Monthly Two Way AM Peak HGV Flows on the B916 Aberdour Road (Dunfermline)

5.5.6 Monthly Average PM Peak HGV Flows

Table 5-34 Site: JTC00582 PM Peak HGV Traffic Flows – August 2012 to September 2013

Counter	Location	Date	EB	WB	Two Way
JTC00582	B916 Aberdour Road (Dunfermline)	Aug-11	5	8	13
		Aug-12	3	3	6
		Sep-12	3	4	7
		Oct-12	4	4	7
		Nov-12	4	4	8
		Dec-12	4	4	8
		Jan-13	3	4	7
		Feb-13	3	4	7
		Mar-13	4	4	8
		Apr-13	3	3	6
		May-13	4	4	8
		Jun-13	5	4	9
		Jul-13	3	4	7
		Aug-13	3	4	7
		Sep-13	4	4	8
<b>Annual Average</b>			<b>4</b>	<b>4</b>	<b>7</b>

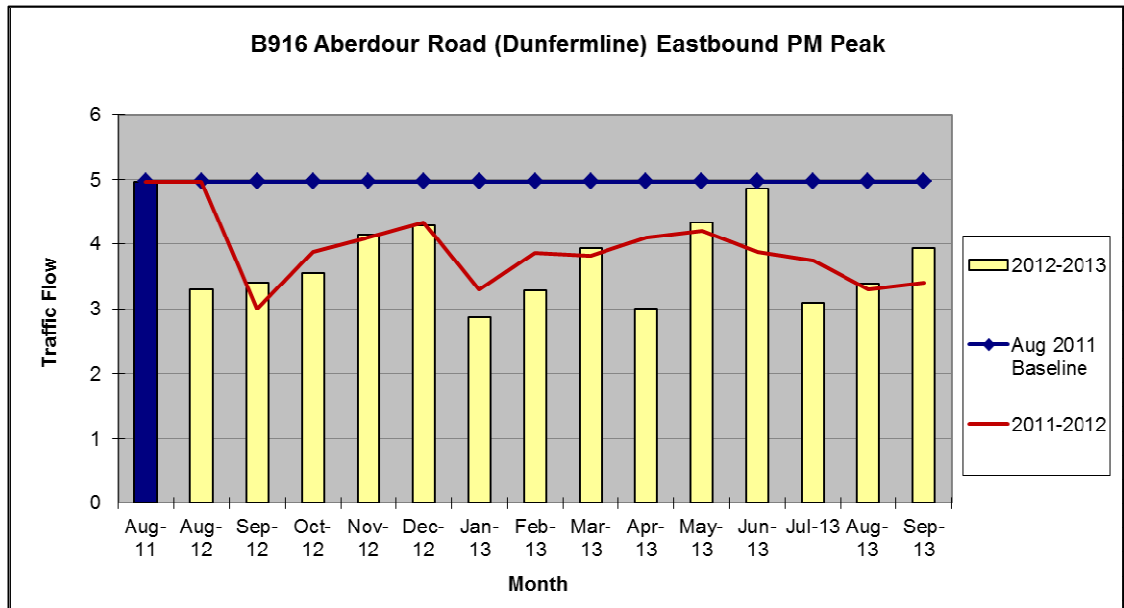


Figure 5-92 Monthly Eastbound PM HGV Peak Flows on the B916 Aberdour Road (Dunfermline)

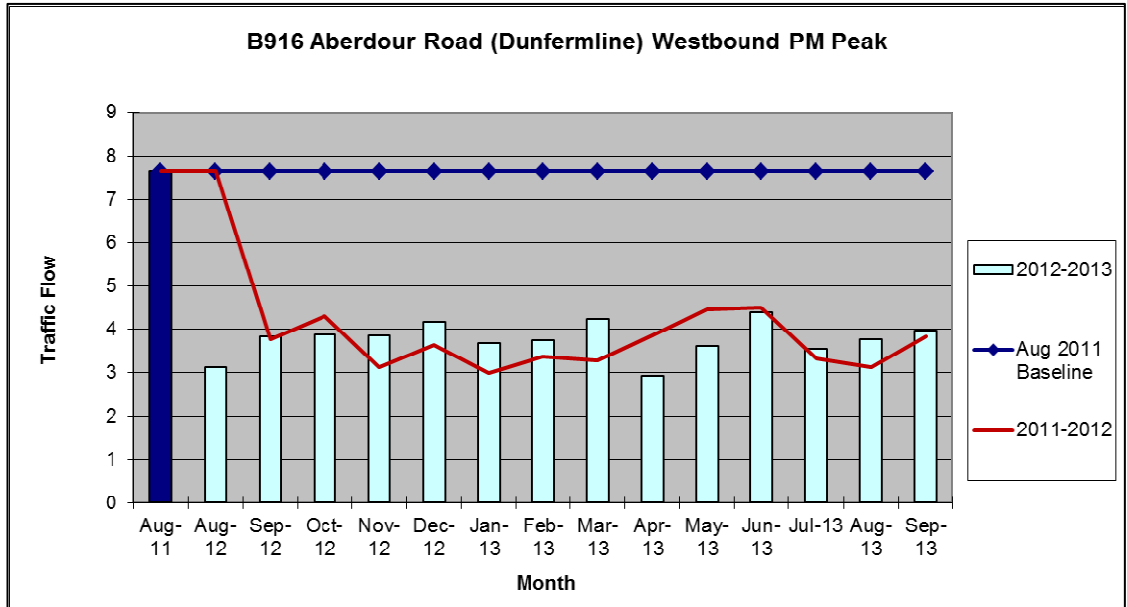


Figure 5-93 Monthly Westbound PM Peak HGV Flows on the B916 Aberdour Road (Dunfermline)

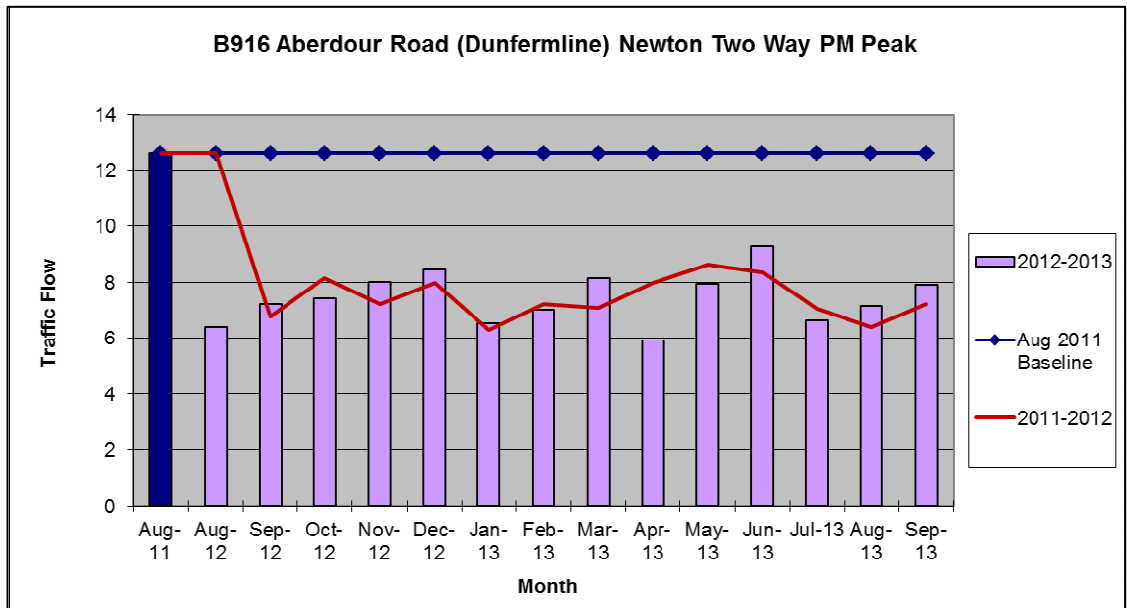


Figure 5-94 Monthly Two Way PM Peak HGV Flows on the B916 Aberdour Road (Dunfermline)

5.5.7 Monthly Average All Vehicles Traffic Speeds

Table 5-35 Site: JTC00582 Average Monthly Traffic Speeds (KPH) (All Vehicles) – August 2012 to September 2013

Counter	Location	Date	EB	WB
JTC00582	B916 Aberdour Road (Dunfermline)	Aug-12	63	63
		Sep-12	63	62
		Oct-12	63	62
		Nov-12	62	61
		Dec-12	61	60
		Jan-13	62	61
		Feb-13	62	61
		Mar-13	61	61
		Apr-13	62	61
		May-13	63	61
		Jun-13	62	61
		Jul-13	62	61
		Aug-13	61	60
		Sep-13	61	60

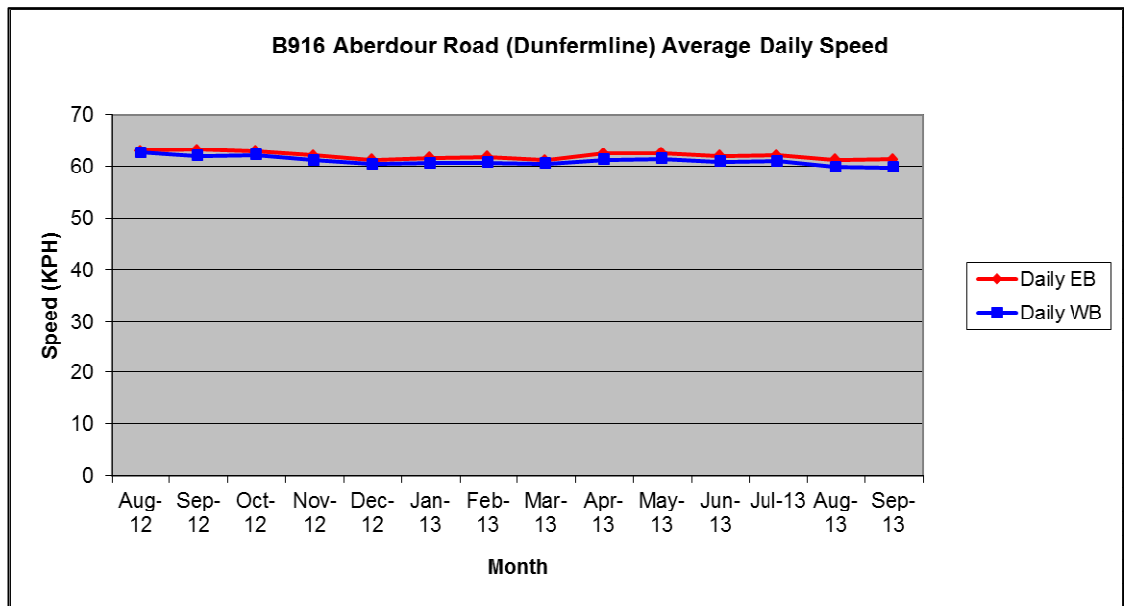


Figure 5-95 Average Monthly Traffic Speeds (KPH) on the B916 Aberdour Road (Dunfermline)



## 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 2012 to September 2013

Counter	Location	Date	NB	SB	Two Way
JTC00583	B981 Inverkeithing Road (Crossgates)	Aug-11	2,339	2,629	4,968
		Aug-12	2,903	3,464	6,367
		Sep-12	No Data	No Data	No Data
		Oct-12	No Data	No Data	No Data
		Nov-12	No Data	No Data	No Data
		Dec-12	No Data	No Data	No Data
		Jan-13	No Data	No Data	No Data
		Feb-13	No Data	No Data	No Data
		Mar-13	No Data	No Data	No Data
		Apr-13	2,679	3,181	5,860
		May-13	2,790	3,147	5,937
		Jun-13	2,704	3,077	5,781
		Jul-13	2,567	2,816	5,383
		Aug-13	2,839	3,114	5,953
		Sep-13	2,633	2,936	5,569
		<b>Annual Average</b>	<b>2,729</b>	<b>3,137</b>	<b>5,866</b>

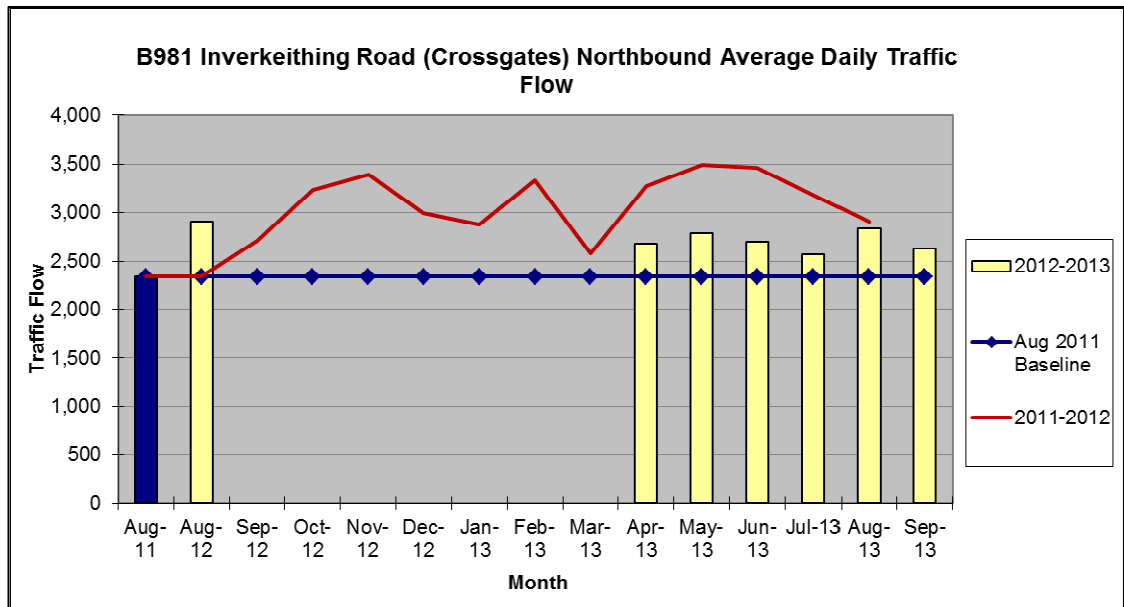


Figure 5-96 Monthly Northbound AADTs on the B981 Inverkeithing Road (Crossgates)

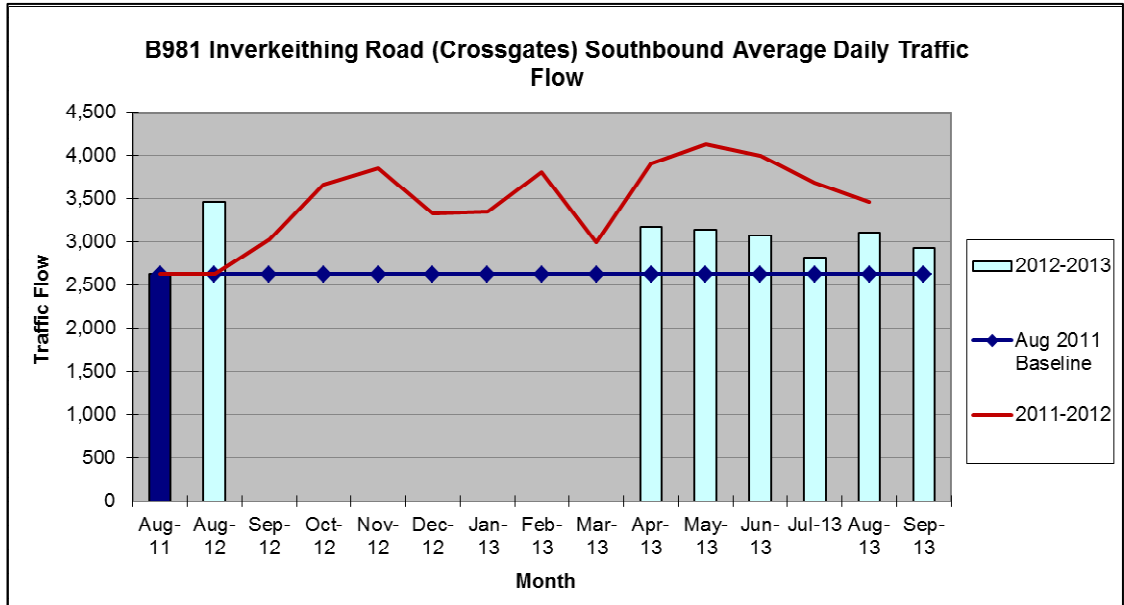


Figure 5-97 Monthly Southbound AADTs on the B981 Inverkeithing Road (Crossgates)

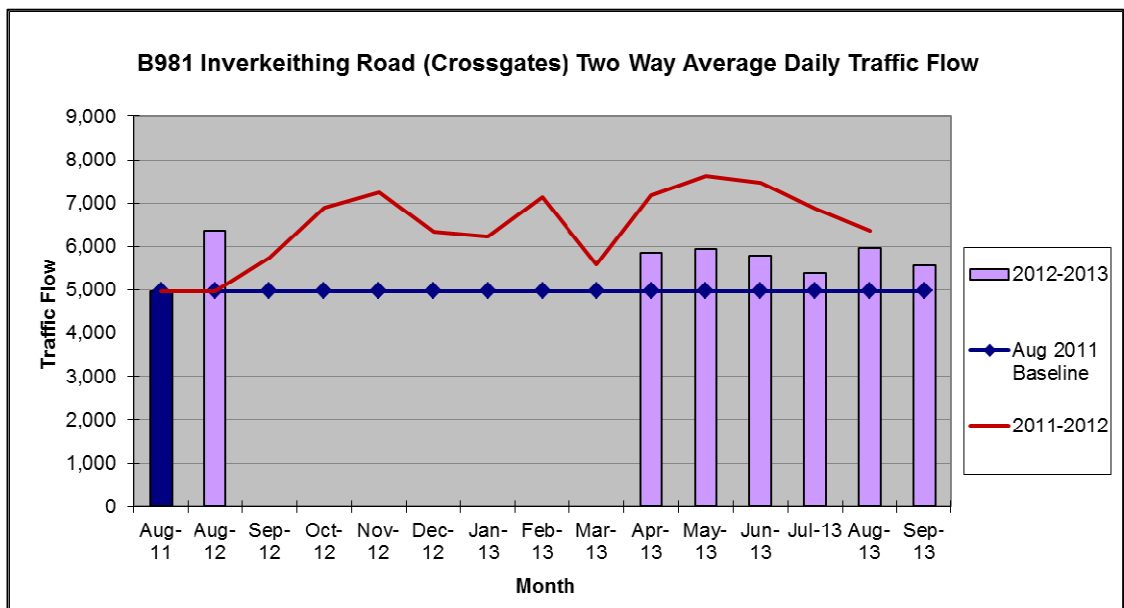


Figure 5-98 Monthly Two Way Daily Traffic Flows on the B981 Inverkeithing Road (Crossgates)

5.6.2 Monthly Average AM Peak Traffic Flows

Table 5-37 Site: JTC00583 AM Peak Traffic Flows – August 2012 to September 2013

Counter	Location	Date	NB	SB	Two Way
JTC00583	B981 Inverkeithing Road (Crossgates)	Aug-11	332	597	929
		Aug-12	422	790	1,212
		Sep-12	No Data	No Data	No Data
		Oct-12	No Data	No Data	No Data
		Nov-12	No Data	No Data	No Data
		Dec-12	No Data	No Data	No Data
		Jan-13	No Data	No Data	No Data
		Feb-13	No Data	No Data	No Data
		Mar-13	No Data	No Data	No Data
		Apr-13	413	747	1,160
		May-13	449	727	1,176
		Jun-13	420	701	1,121
		Jul-13	357	614	971
		Aug-13	424	700	1,123
		Sep-13	415	660	1,076
	<b>Annual Average</b>		<b>412</b>	<b>716</b>	<b>1,128</b>

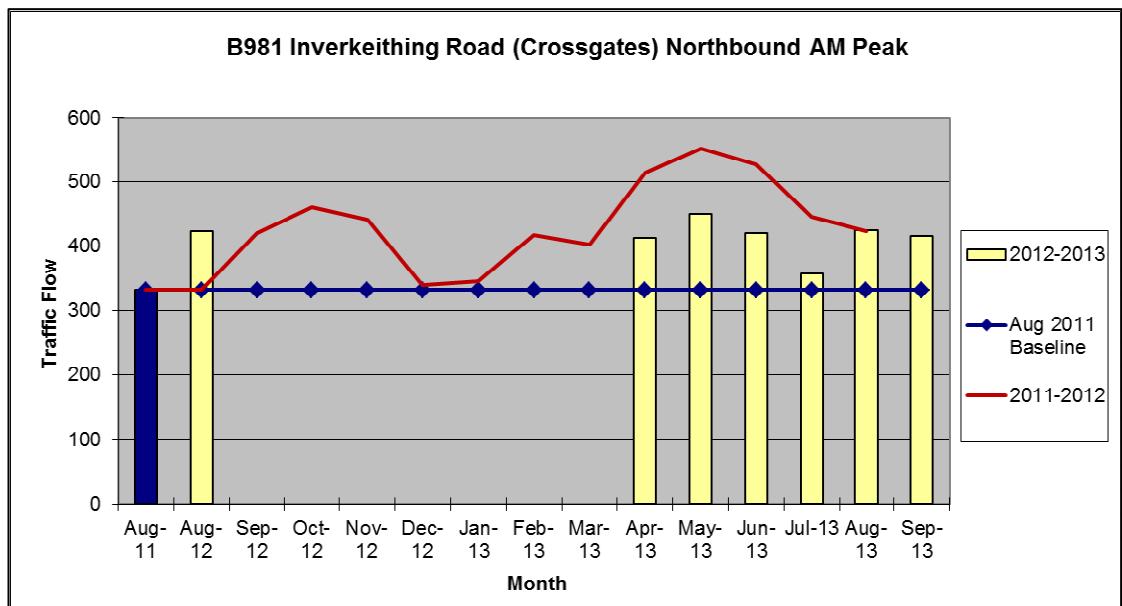


Figure 5-99 Monthly Northbound AM Peak Flows on the B981 Inverkeithing Road (Crossgates)

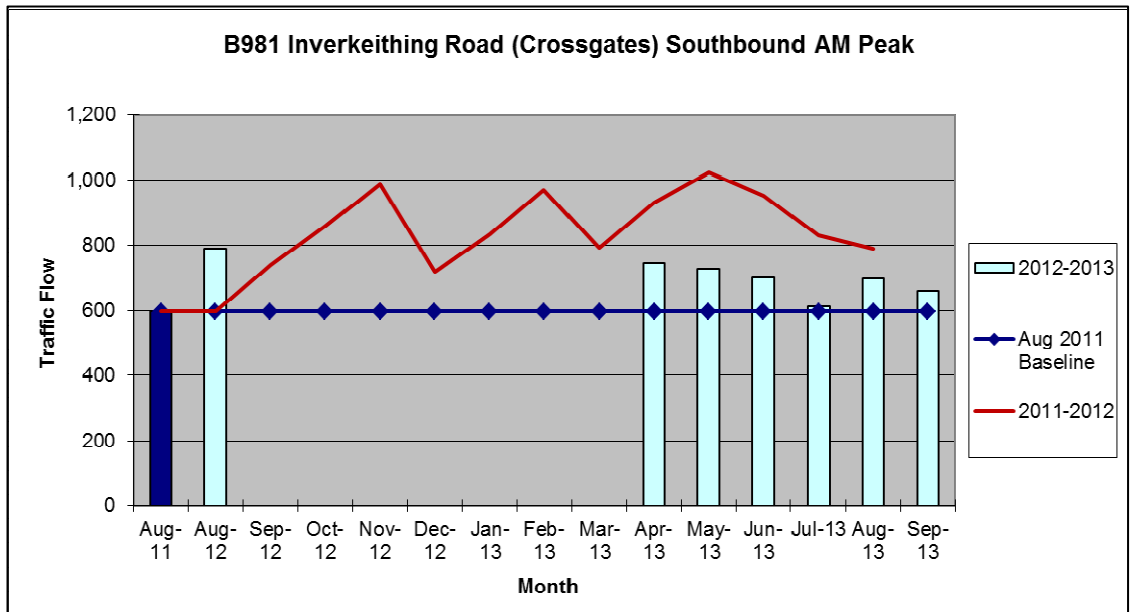


Figure 5-100 Monthly Southbound AM Peak Flows on the B981 Inverkeithing Road (Crossgates)

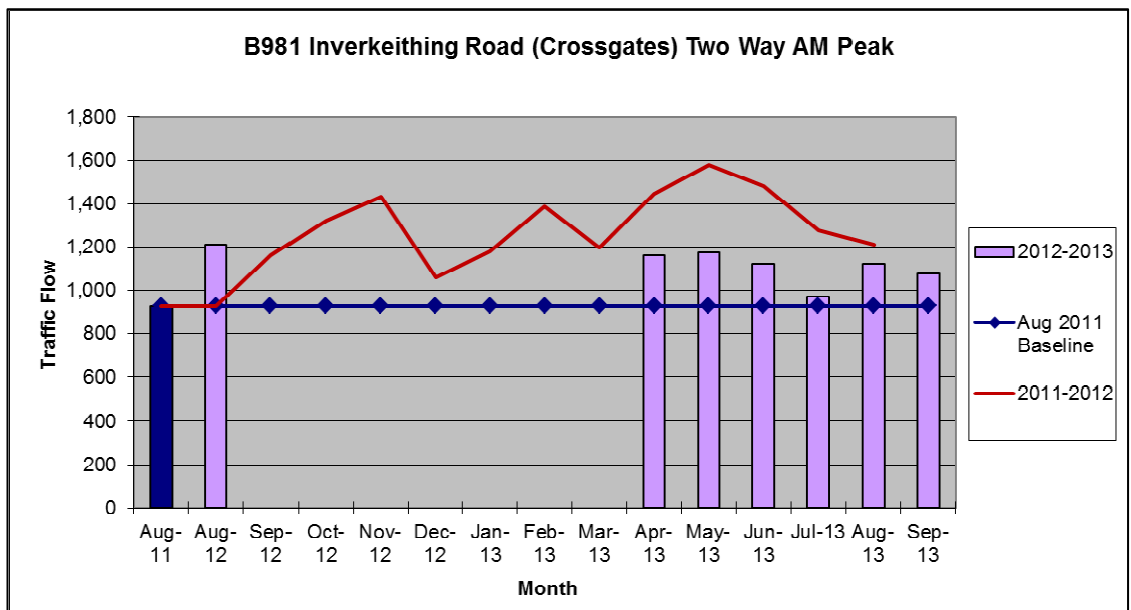


Figure 5-101 Monthly Two Way AM Peak Flows on the B981 Inverkeithing Road (Crossgates)

### 5.6.3 Monthly Average PM Peak Traffic Flows

Table 5-38 Site: JTC00583 PM Peak Traffic Flows – August 2012 to September 2013

Counter	Location	Date	EB	WB	Two Way
JTC00583	B981 Inverkeithing Road (Crossgates)	Aug-11	647	576	1,223
		Aug-12	784	752	1,536
		Sep-12	No Data	No Data	No Data
		Oct-12	No Data	No Data	No Data
		Nov-12	No Data	No Data	No Data
		Dec-12	No Data	No Data	No Data
		Jan-13	No Data	No Data	No Data
		Feb-13	No Data	No Data	No Data
		Mar-13	No Data	No Data	No Data
		Apr-13	753	709	1,462
		May-13	752	686	1,438
		Jun-13	742	681	1,423
		Jul-13	728	626	1,355
		Aug-13	757	700	1,457
		Sep-13	738	674	1,412
	<b>Annual Average</b>		<b>752</b>	<b>691</b>	<b>1,443</b>

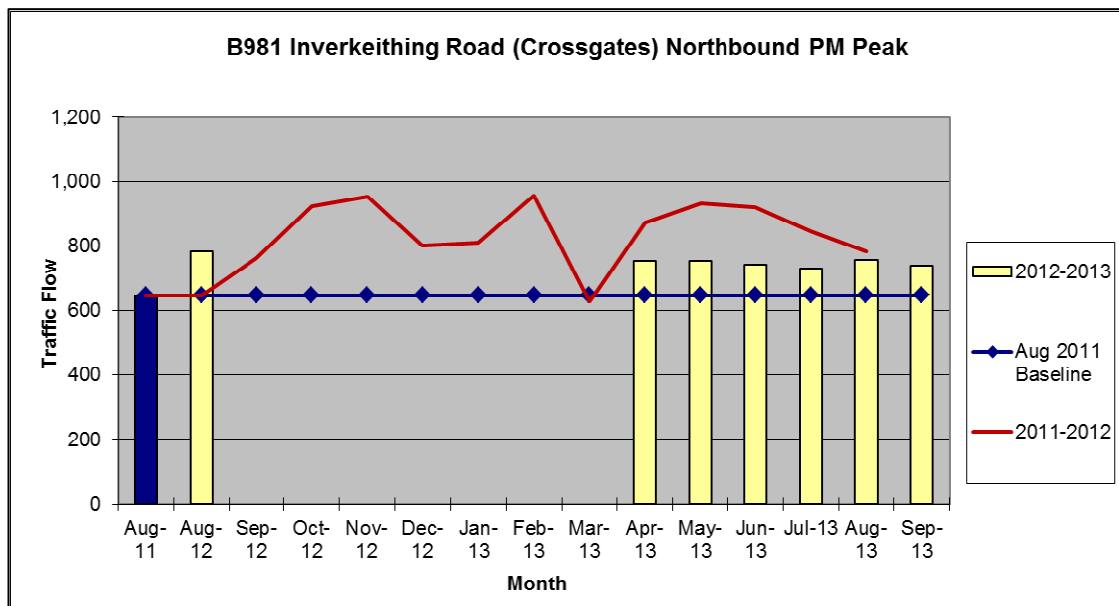


Figure 5-102 Monthly Eastbound PM Peak Flows on the B981 Inverkeithing Road (Crossgates)

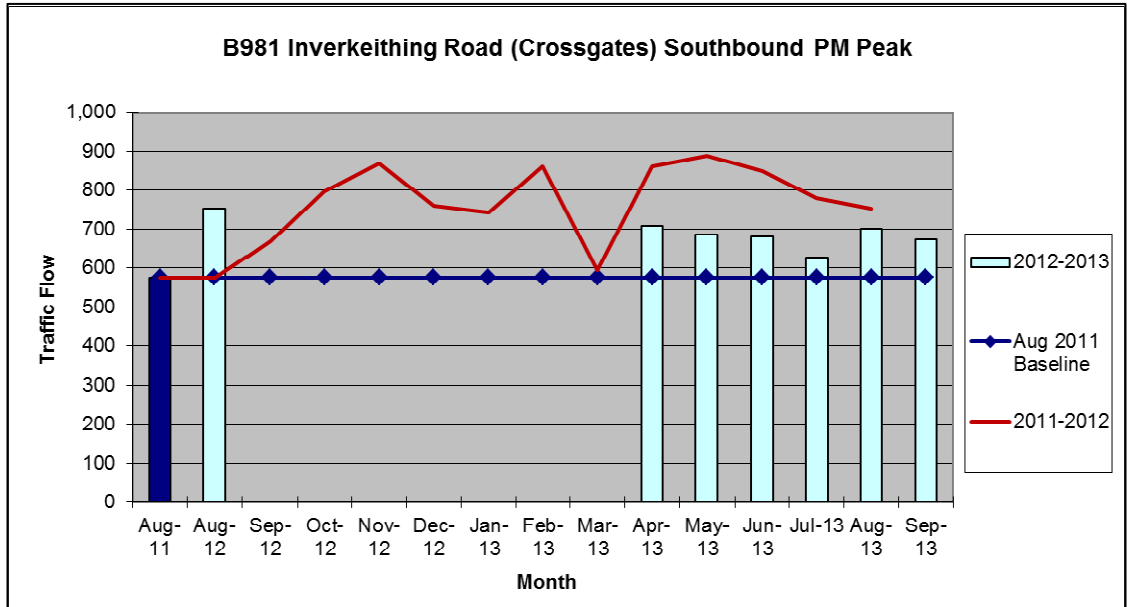


Figure 5-103 Monthly Westbound PM Peak Flows on the B981 Inverkeithing Road (Crossgates)

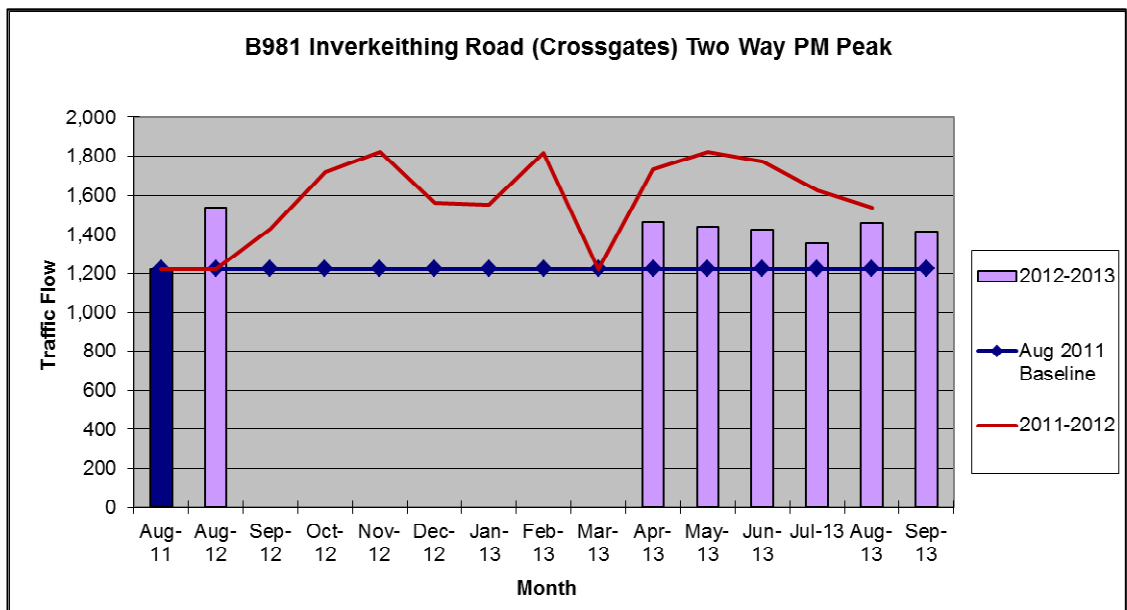


Figure 5-104 Monthly Two Way PM Peak Flows on the B981 Inverkeithing Road (Crossgates)

5.6.4 Monthly Average HGV Flows

Table 5-39 Site: JTC00583 Annual HGV Traffic Flows – August 2012 to September 2013

Counter	Location	Date	NB	SB	Two Way
JTC00583	B981 Inverkeithing Road (Crossgates)	Aug-11	9	5	14
		Aug-12	19	17	36
		Sep-12	No Data	No Data	No Data
		Oct-12	No Data	No Data	No Data
		Nov-12	No Data	No Data	No Data
		Dec-12	No Data	No Data	No Data
		Jan-13	No Data	No Data	No Data
		Feb-13	No Data	No Data	No Data
		Mar-13	No Data	No Data	No Data
		Apr-13	18	11	29
		May-13	18	12	30
		Jun-13	19	14	33
		Jul-13	20	11	31
		Aug-13	21	13	34
		Sep-13	20	13	33
	<b>Annual Average</b>	<b>19</b>	<b>13</b>	<b>32</b>	

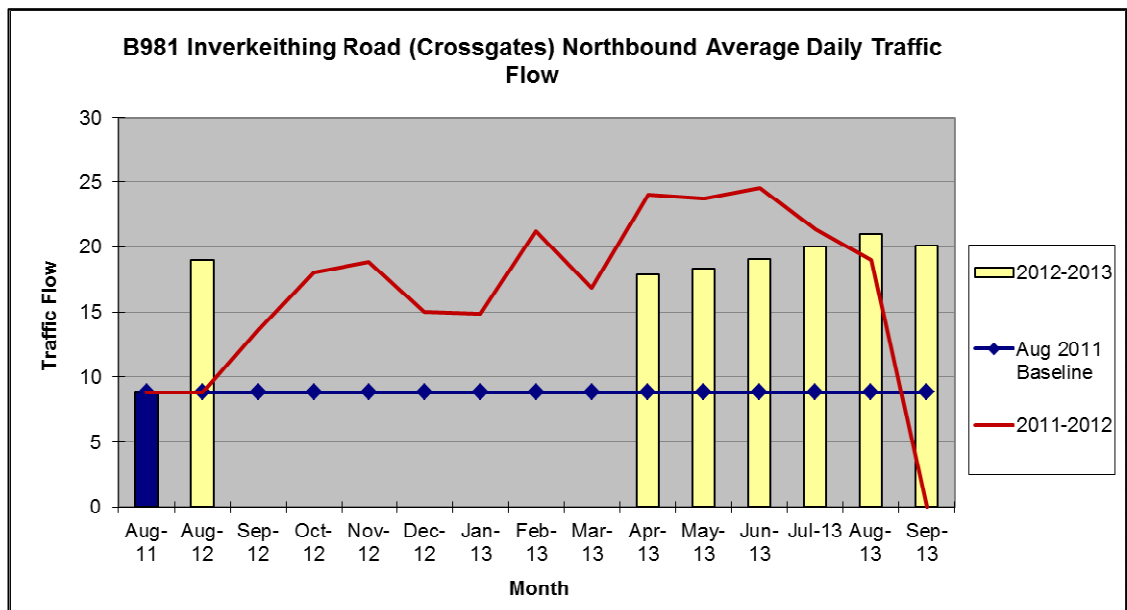


Figure 5-105 Monthly Northbound HGV Flows on the B981 Inverkeithing Road (Crossgates)

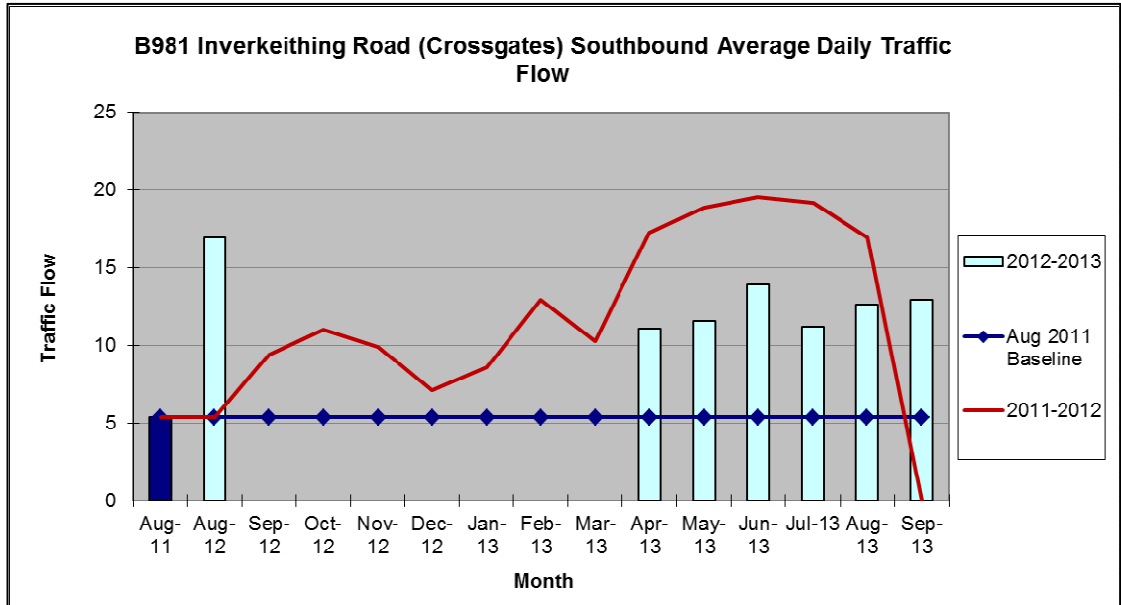


Figure 5-106 Monthly Southbound HGV Flows on the B981 Inverkeithing Road (Crossgates)

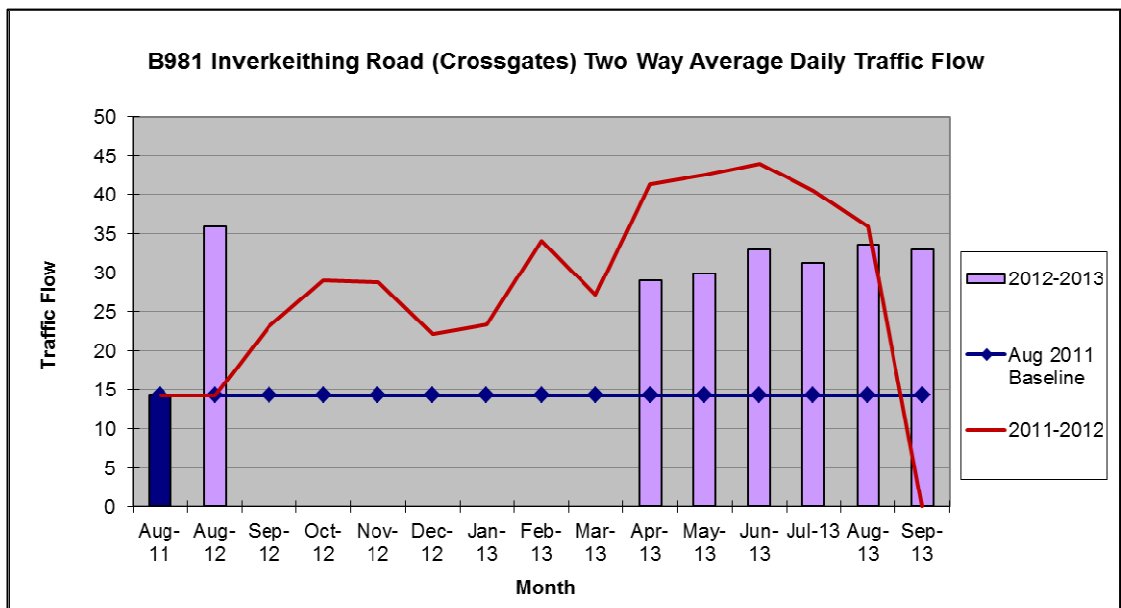


Figure 5-107 Monthly Two Way HGV Flows on the B981 Inverkeithing Road (Crossgates)



### 5.6.5 Monthly Average AM Peak HGV Flows

Table 5-40 Site: JTC00583 AM Peak HGV Traffic Flows – August 2012 to September 2013

Counter	Location	Date	NB	SB	Two Way
JTC00583	B981 Inverkeithing Road (Crossgates)	Aug-11	1	1	2
		Aug-12	3	4	8
		Sep-12	No Data	No Data	No Data
		Oct-12	No Data	No Data	No Data
		Nov-12	No Data	No Data	No Data
		Dec-12	No Data	No Data	No Data
		Jan-13	No Data	No Data	No Data
		Feb-13	No Data	No Data	No Data
		Mar-13	No Data	No Data	No Data
		Apr-13	3	2	5
		May-13	3	2	5
		Jun-13	3	2	5
		Jul-13	3	2	5
		Aug-13	3	2	5
		Sep-13	3	3	6
	<b>Annual Average</b>		<b>3</b>	<b>3</b>	<b>6</b>

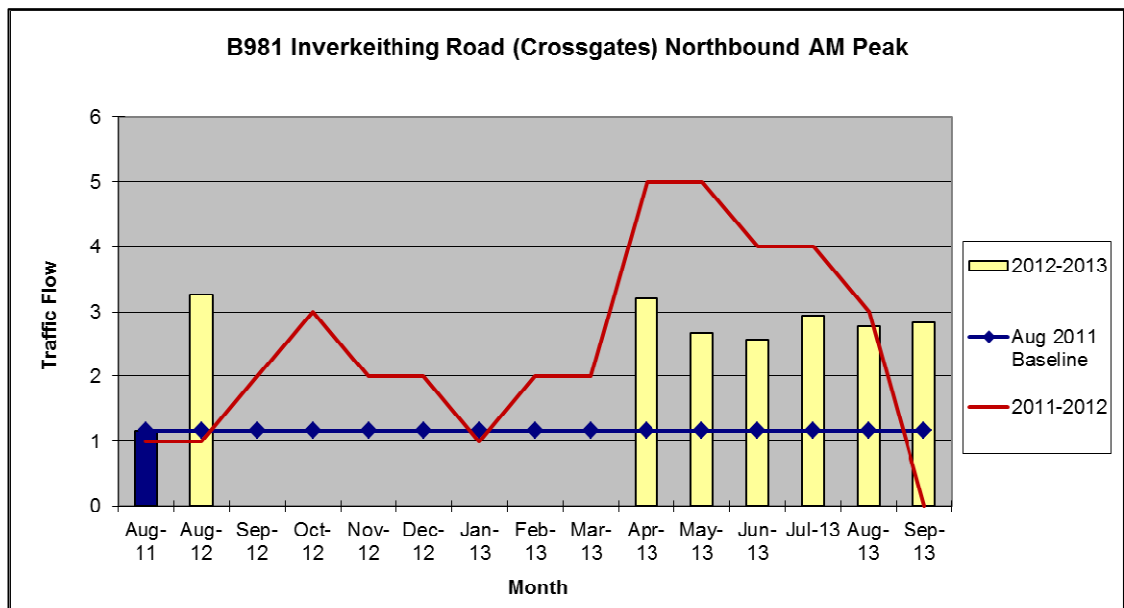


Figure 5-108 Monthly Northbound AM Peak HGV Flows on the B981 Inverkeithing Road (Crossgates)

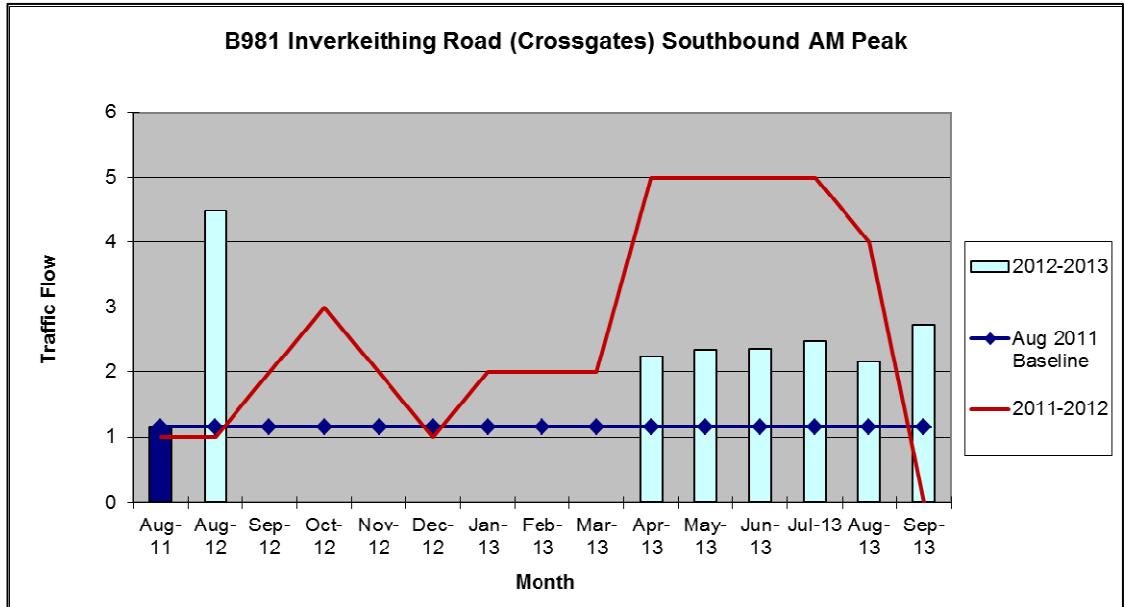


Figure 5-109 Monthly Northbound AM Peak HGV Flows on the B981 Inverkeithing Road (Crossgates)

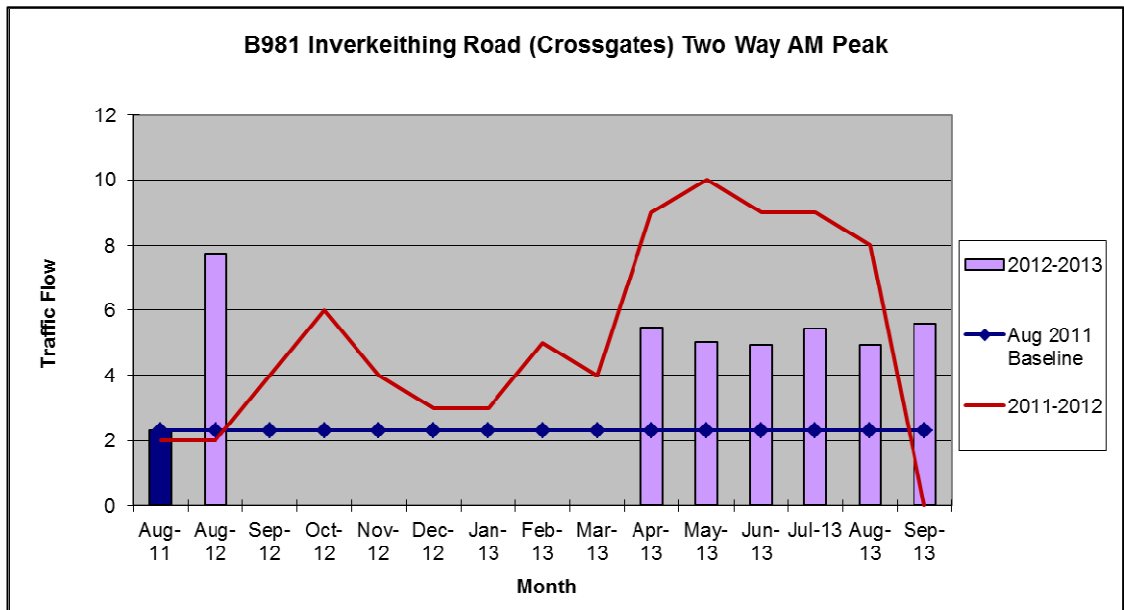


Figure 5-110 Monthly Two Way AM Peak HGV Flows on the B981 Inverkeithing Road (Crossgates)

### 5.6.6 Monthly Average PM Peak HGV Flows

Table 5-41 Site: JTC00583 PM Peak HGV Traffic Flows – August 2012 to September 2013

Counter	Location	Date	NB	SB	Two Way
JTC00583	B981 Inverkeithing Road (Crossgates)	Aug-11	1	1	2
		Aug-12	2	1	3
		Sep-12	No Data	No Data	No Data
		Oct-12	No Data	No Data	No Data
		Nov-12	No Data	No Data	No Data
		Dec-12	No Data	No Data	No Data
		Jan-13	No Data	No Data	No Data
		Feb-13	No Data	No Data	No Data
		Mar-13	No Data	No Data	No Data
		Apr-13	2	2	4
		May-13	2	1	3
		Jun-13	3	2	5
		Jul-13	3	2	5
		Aug-13	4	2	6
		Sep-13	3	2	5
	<b>Annual Average</b>		<b>3</b>	<b>1</b>	<b>4</b>

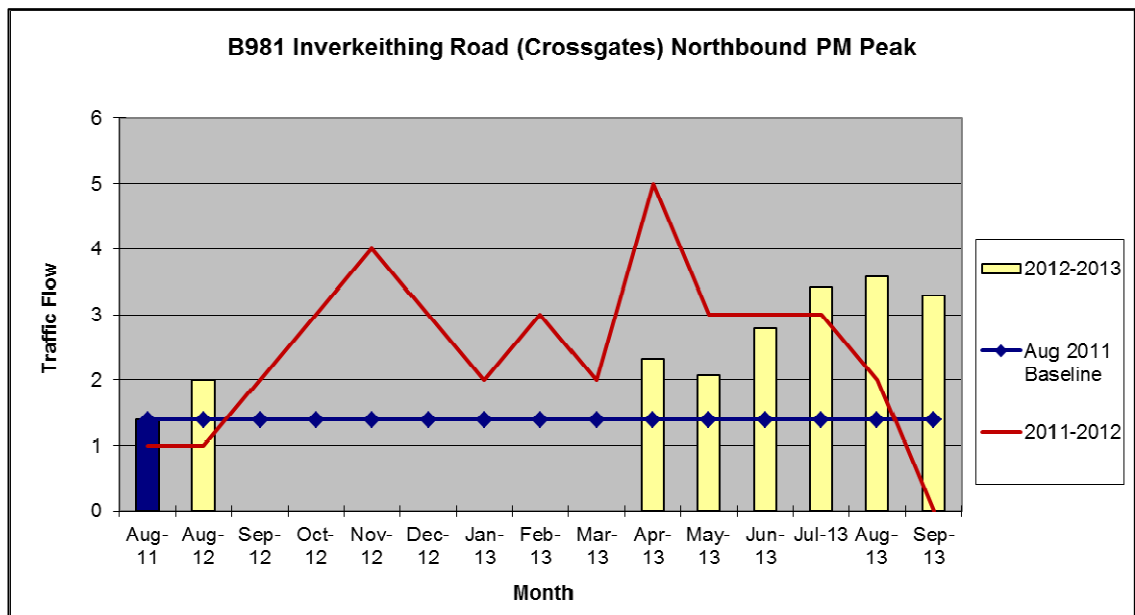


Figure 5-111 Monthly Northbound PM HGV Peak Flows on the B981 Inverkeithing Road (Crossgates)

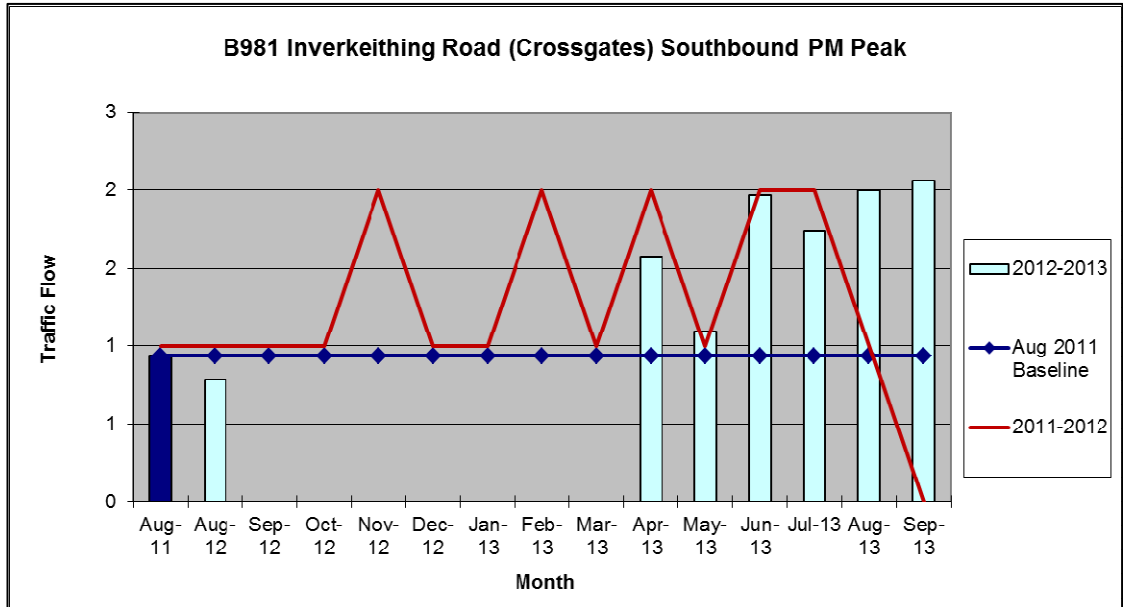


Figure 5-112 Monthly Southbound PM Peak HGV Flows on the B981 Inverkeithing Road (Crossgates)

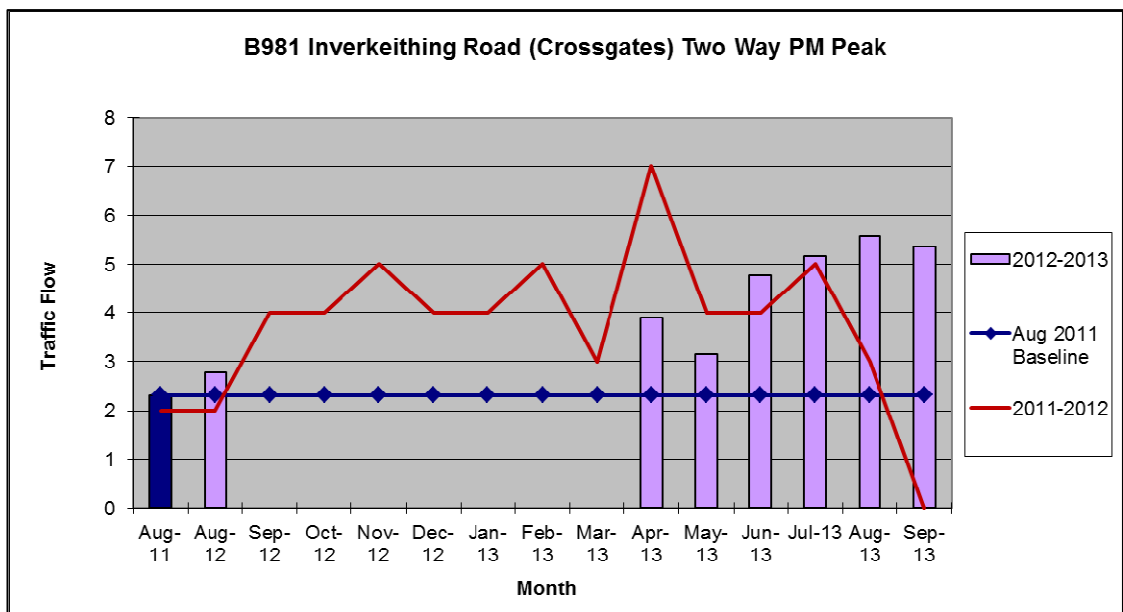


Figure 5-113 Monthly Two Way PM Peak HGV Flows on the B981 Inverkeithing Road (Crossgates)

5.6.7 Monthly Average All Vehicles Traffic Speeds

Table 5-42 Site: JTC00583 Average Monthly Traffic Speeds (KPH) (All Vehicles) – August 2012 to September 2013

Counter	Location	Date	NB	SB
JTC00583	B981 Inverkeithing Road (Crossgates)	Aug-12	63	68
		Sep-12	No Data	No Data
		Oct-12	No Data	No Data
		Nov-12	No Data	No Data
		Dec-12	No Data	No Data
		Jan-13	No Data	No Data
		Feb-13	No Data	No Data
		Mar-13	No Data	No Data
		Apr-13	64	68
		May-13	64	69
		Jun-13	63	68
		Jul-13	63	69
		Aug-13	62	68
		Sep-13	62	68

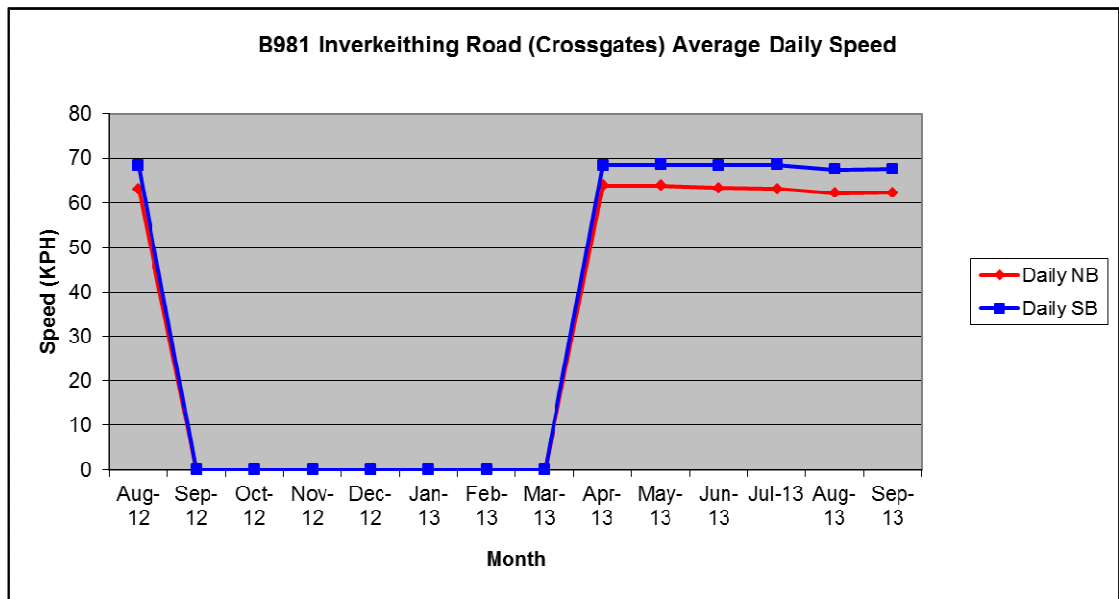


Figure 5-114 Average Monthly Traffic Speeds (KPH) on the B981 Inverkeithing Road (Crossgates)

## 5.7 Traffic Counter JTC00586 – B980 Castlandhill Road

### 5.7.1 Monthly Average Traffic Flows

Table 3-43 Site: JTC00586 Annual Traffic Flows – August 2012 to September 2013

Counter	Location	Date	NB	SB	Two Way
JTC00586	B980 Castlandhill Road	Aug-11	1,590	1,612	3,203
		Aug-12	1,697	1,790	3,487
		Sep-12	1,424	1,551	2,975
		Oct-12	1,449	1,630	3,078
		Nov-12	1,424	1,645	3,069
		Dec-12	1,251	1,387	2,638
		Jan-13	1,307	1,422	2,729
		Feb-13	1,397	1,552	2,949
		Mar-13	1,400	1,523	2,923
		Apr-13	1,545	1,684	3,229
		May-13	1,551	1,709	3,260
		Jun-13	1,532	1,668	3,200
		Jul-13	1,569	1,634	3,202
		Aug-13	1,674	1,787	3,461
		Sep-13	1,532	1,751	3,283
		<b>Annual Average</b>	<b>1,462</b>	<b>1,600</b>	<b>3,062</b>

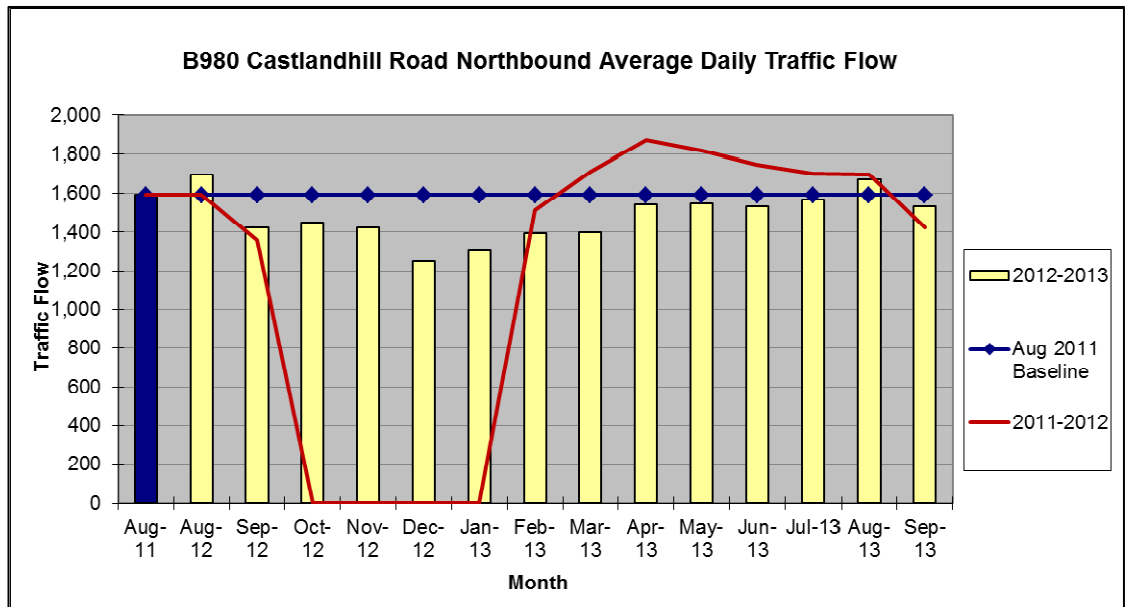


Figure 5-115 Monthly Northbound AADTs on the B980 Castlandhill Road

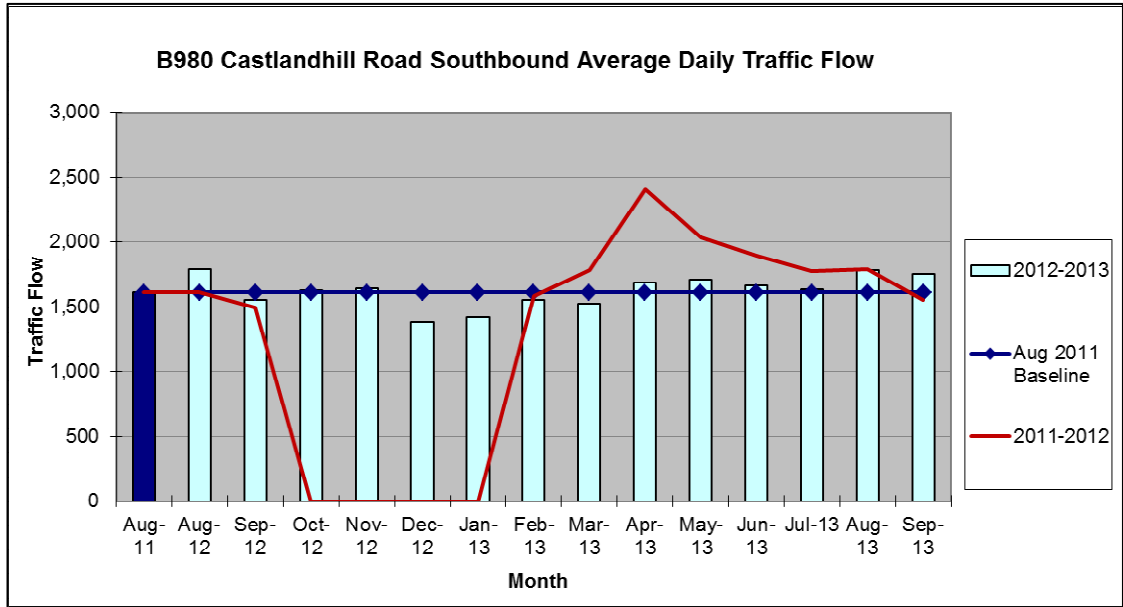


Figure 5-116 Monthly Southbound AADTs on the B980 Castlandhill Road

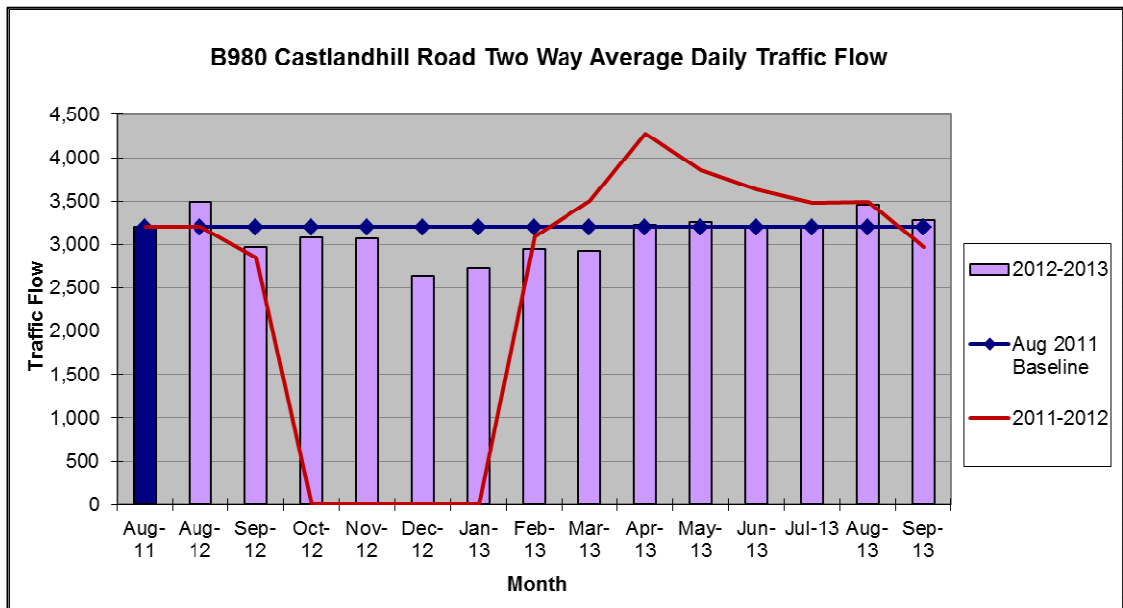


Figure 5-117 Monthly Two Way Daily Traffic Flows on the B980 Castlandhill Road

### 5.7.2 Monthly Average AM Peak Traffic Flows

Table 5-44 Site: JTC00586 AM Peak Traffic Flows – August 2012 to September 2013

Counter	Location	Date	NB	SB	Two Way
JTC00586	B980 Castlandhill Road	Aug-11	173	437	609
		Aug-12	201	369	570
		Sep-12	184	327	511
		Oct-12	182	372	554
		Nov-12	173	566	738
		Dec-12	135	400	535
		Jan-13	157	481	638
		Feb-13	167	529	696
		Mar-13	163	487	650
		Apr-13	174	518	691
		May-13	180	525	705
		Jun-13	177	490	667
		Jul-13	168	441	609
		Aug-13	181	491	672
		Sep-13	179	554	733
		<b>Annual Average</b>	<b>172</b>	<b>459</b>	<b>630</b>

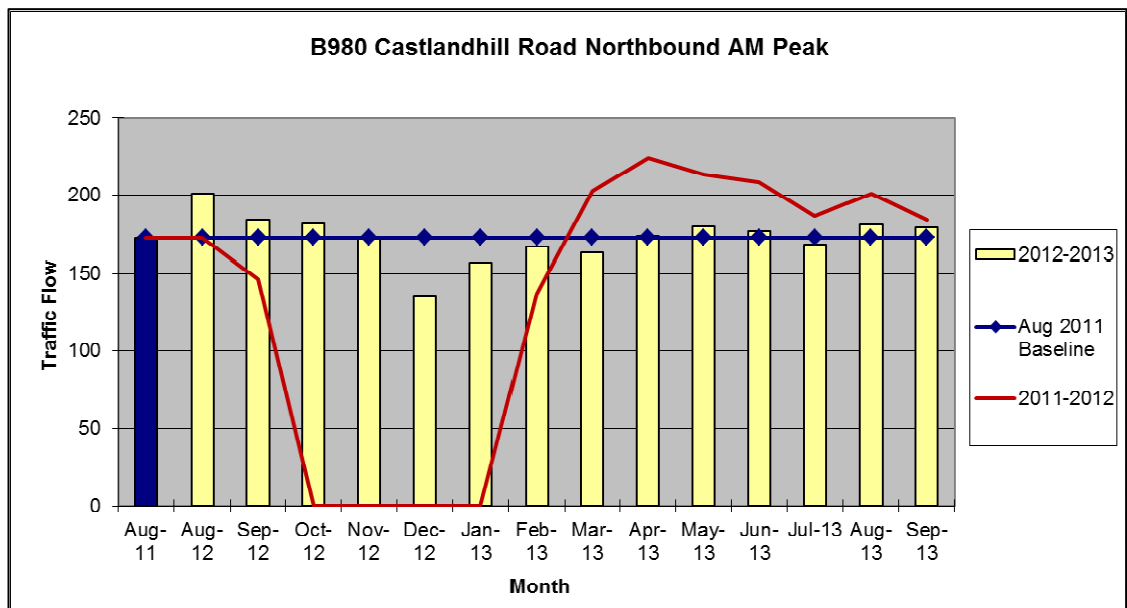


Figure 5-118 Monthly Northbound AM Peak Flows on the B980 Castlandhill Road



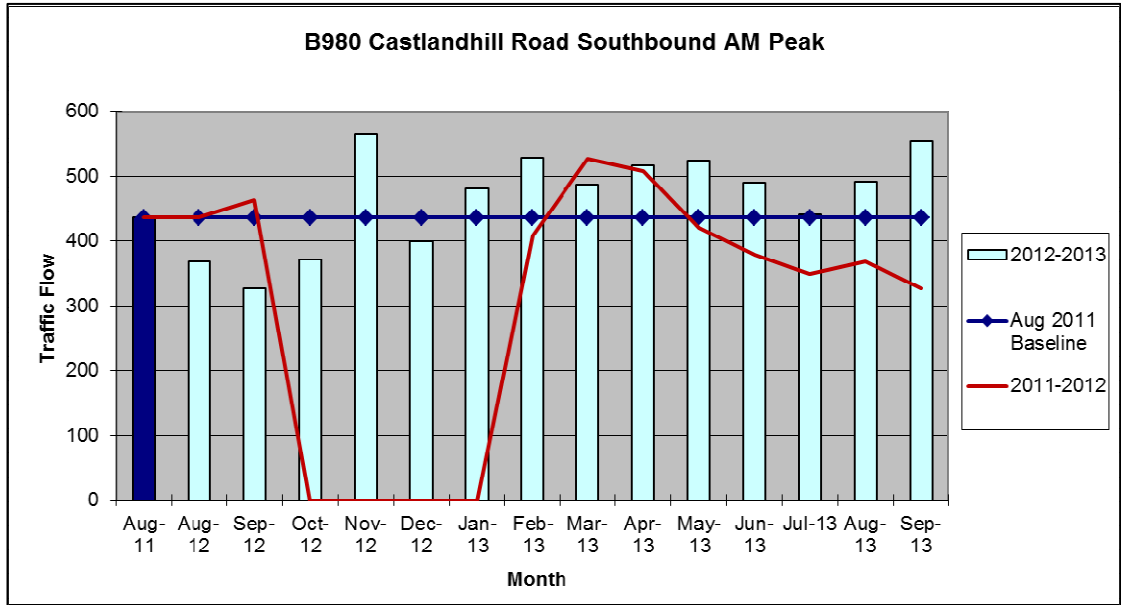


Figure 5-119 Monthly Southbound AM Peak Flows on the B980 Castlandhill Road

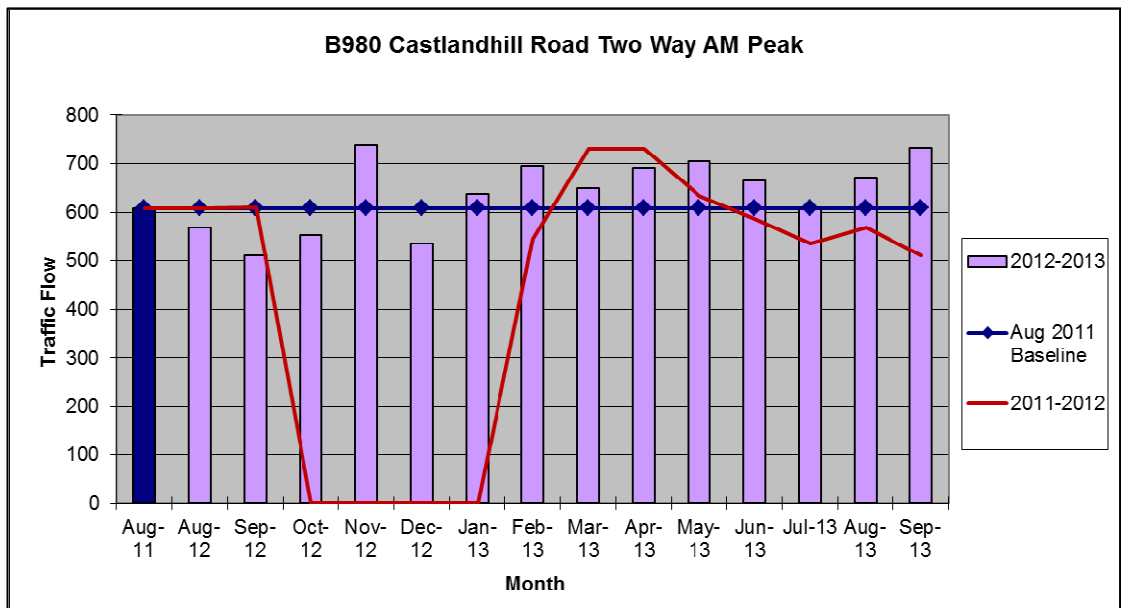


Figure 5-120 Monthly Two Way AM Peak Flows on the B980 Castlandhill Road

### 5.7.3 Monthly Average PM Peak Traffic Flows

Table 5-45 Site: JTC00586 PM Peak Traffic Flows – August 2012 to September 2013

Counter	Location	Date	NB	SB	Two Way
JTC00586	B980 Castlandhill Road	Aug-11	489	279	768
		Aug-12	460	268	728
		Sep-12	375	226	601
		Oct-12	391	221	611
		Nov-12	460	246	706
		Dec-12	372	214	586
		Jan-13	443	218	661
		Feb-13	454	237	691
		Mar-13	449	240	689
		Apr-13	498	271	770
		May-13	496	280	776
		Jun-13	474	286	760
		Jul-13	506	284	791
		Aug-13	535	325	860
		Sep-13	505	304	809
		<b>Annual Average</b>	<b>448</b>	<b>249</b>	<b>698</b>

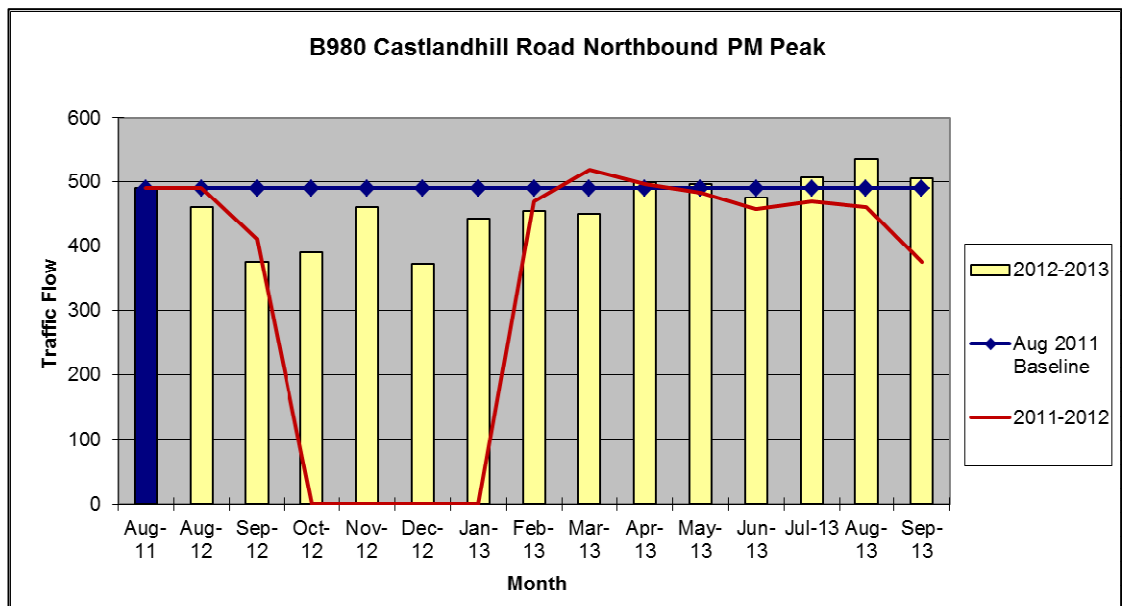


Figure 5-121 Monthly Northbound PM Peak Flows on the B980 Castlandhill Road

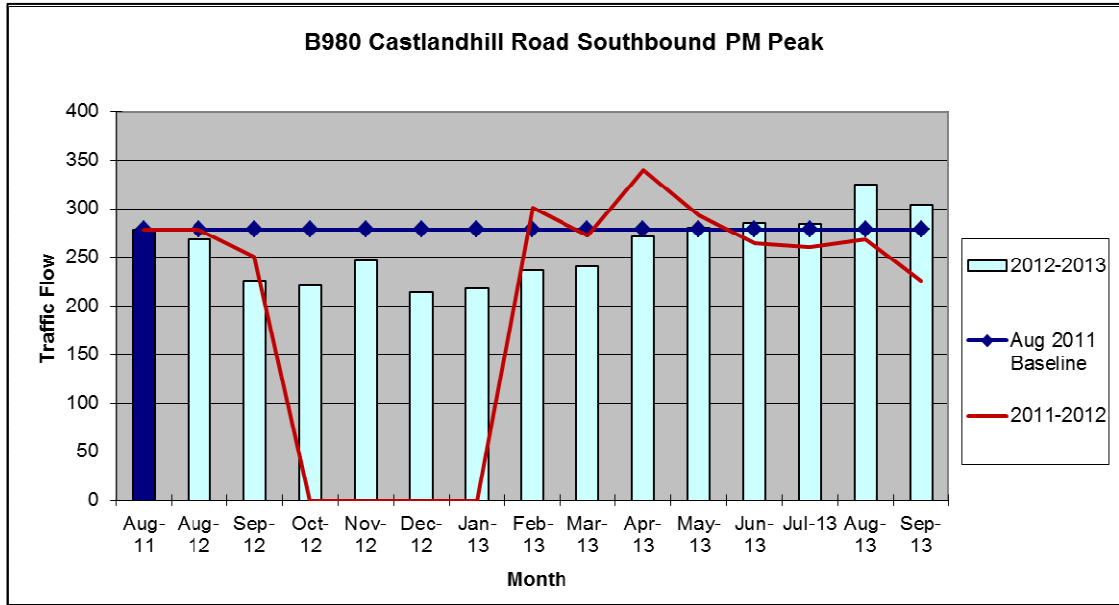


Figure 5-122 Monthly Southbound PM Peak Flows on the B980 Castlandhill Road

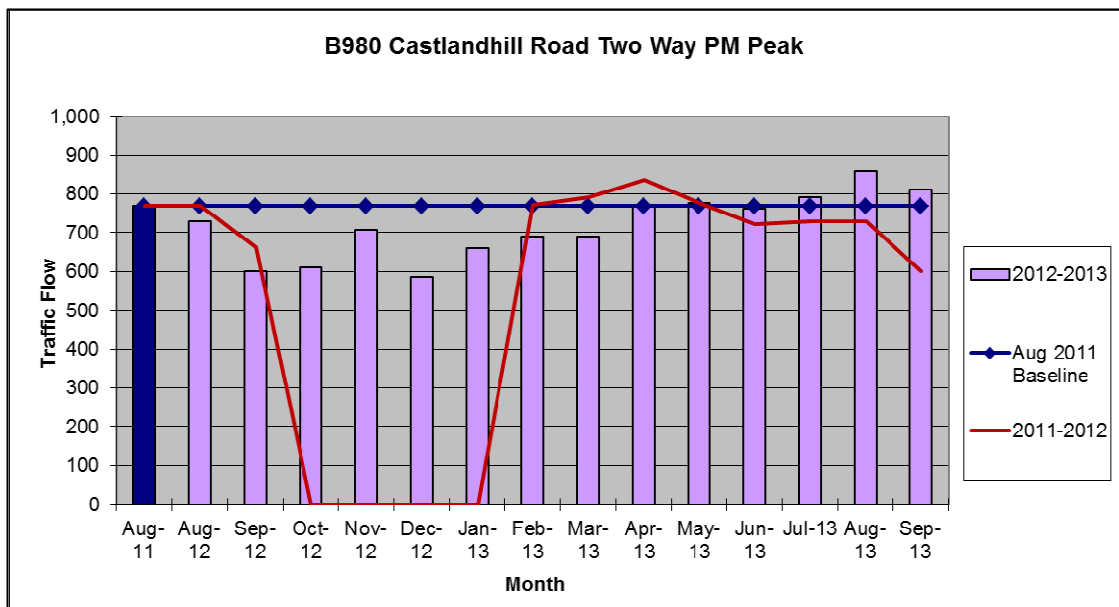


Figure 5-123 Monthly Two Way PM Peak Flows on the B980 Castlandhill Road

### 5.7.4 Monthly Average HGV Flows

Table 5-46 Site: JTC00586 Annual HGV Traffic Flows – August 2012 to September 2013

Counter	Location	Date	NB	SB	Two Way		
JTC00586	B980 Castlandhill Road	Aug-11	73	56	129		
		Aug-12	67	59	126		
		Sep-12	59	52	111		
		Oct-12	64	57	121		
		Nov-12	59	54	113		
		Dec-12	51	48	99		
		Jan-13	56	50	107		
		Feb-13	61	56	117		
		Mar-13	59	55	114		
		Apr-13	65	57	122		
		May-13	63	56	119		
		Jun-13	61	56	118		
		Jul-13	67	59	126		
		Aug-13	70	64	134		
		Sep-13	64	56	120		
		<b>Annual Average</b>			<b>61</b>	<b>55</b>	<b>116</b>

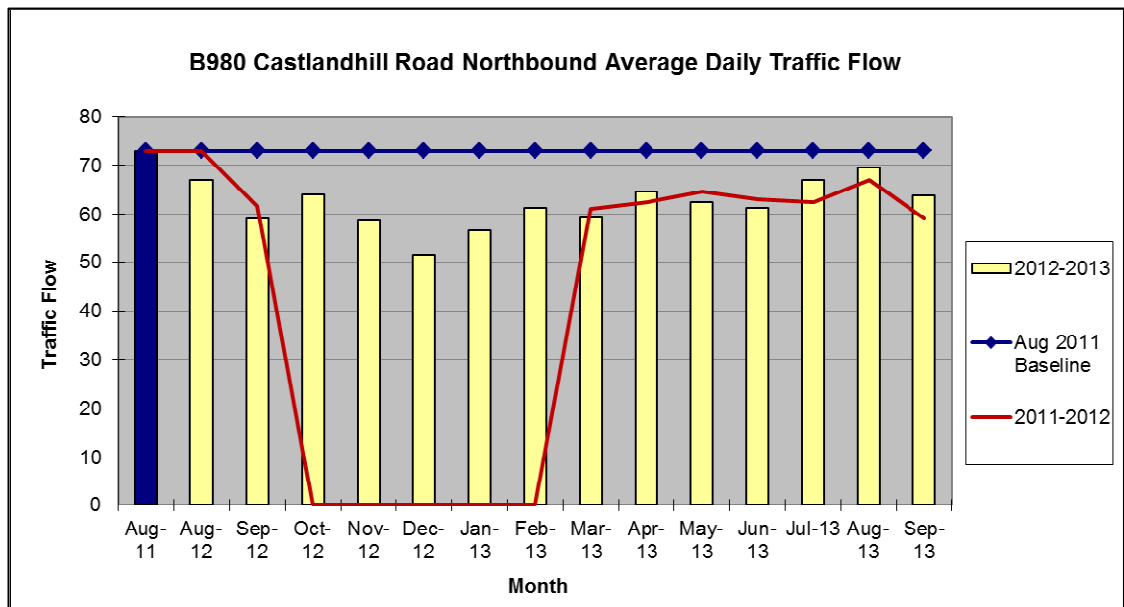


Figure 5-124 Monthly Northbound HGV Flows on the B980 Castlandhill Road

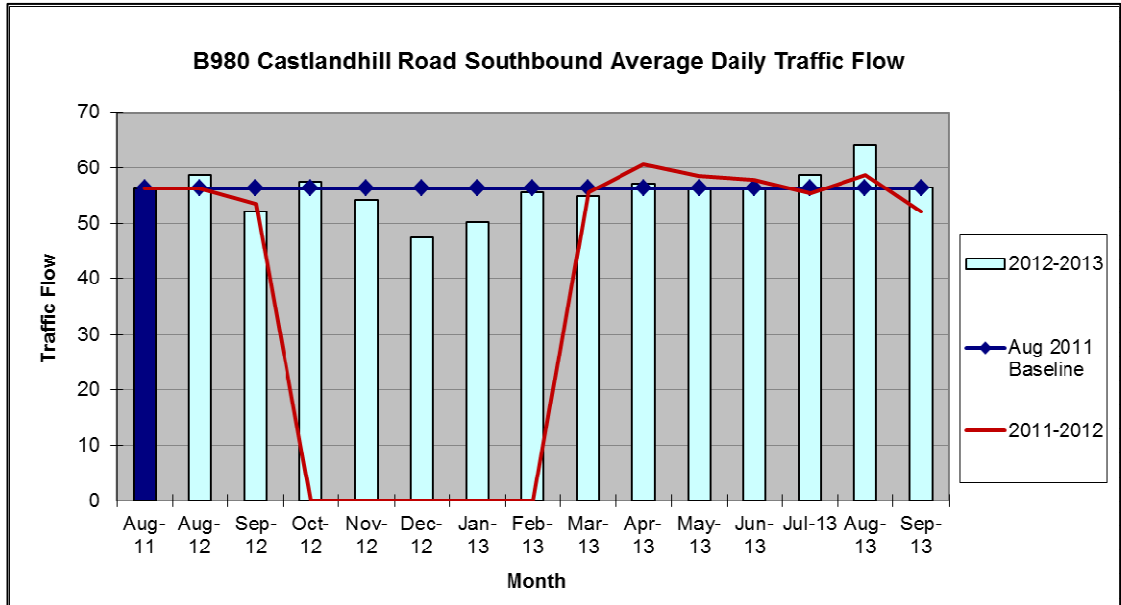


Figure 5-125 Monthly Southbound HGV Flows on the B980 Castlandhill Road

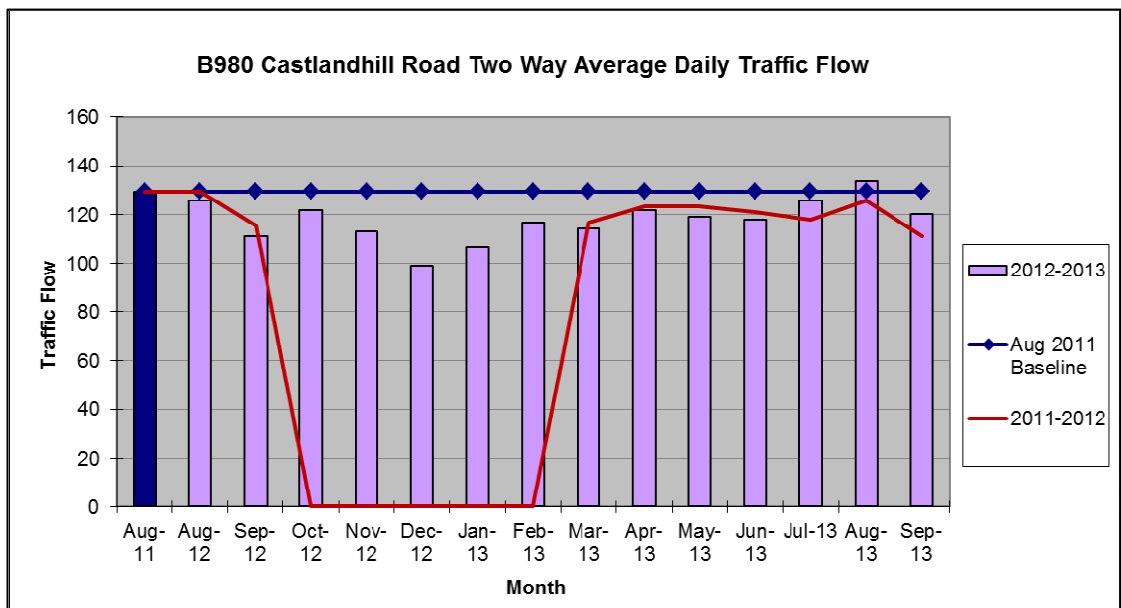


Figure 5-126 Monthly Two Way HGV Flows on the B980 Castlandhill Road

### 5.7.5 Monthly Average AM Peak HGV Flows

Table 5-47 Site: JTC00586 AM Peak HGV Traffic Flows – August 2012 to September 2013

Counter	Location	Date	NB	SB	Two Way
JTC00586	B980 Castlandhill Road	Aug-11	14	14	28
		Aug-12	14	13	26
		Sep-12	13	12	25
		Oct-12	14	14	27
		Nov-12	11	13	25
		Dec-12	9	11	20
		Jan-13	11	12	23
		Feb-13	12	14	25
		Mar-13	11	13	24
		Apr-13	13	14	26
		May-13	12	14	25
		Jun-13	12	14	26
		Jul-13	13	14	27
		Aug-13	13	15	27
		Sep-13	13	14	27
<b>Annual Average</b>			<b>12</b>	<b>13</b>	<b>25</b>

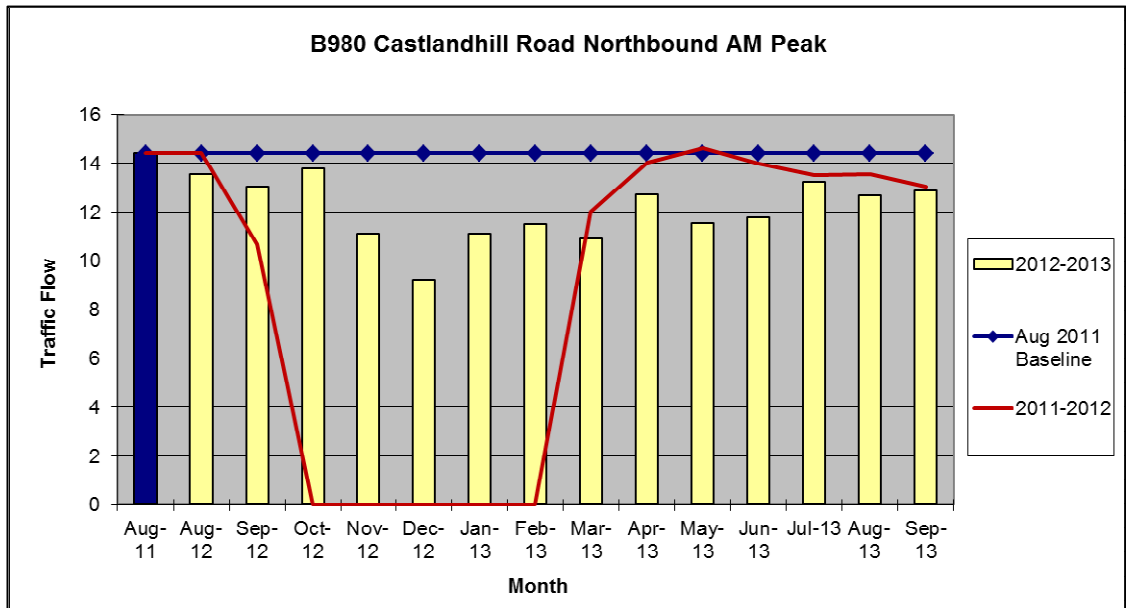


Figure 5-127 Monthly Northbound AM Peak HGV Flows on the B980 Castlandhill Road

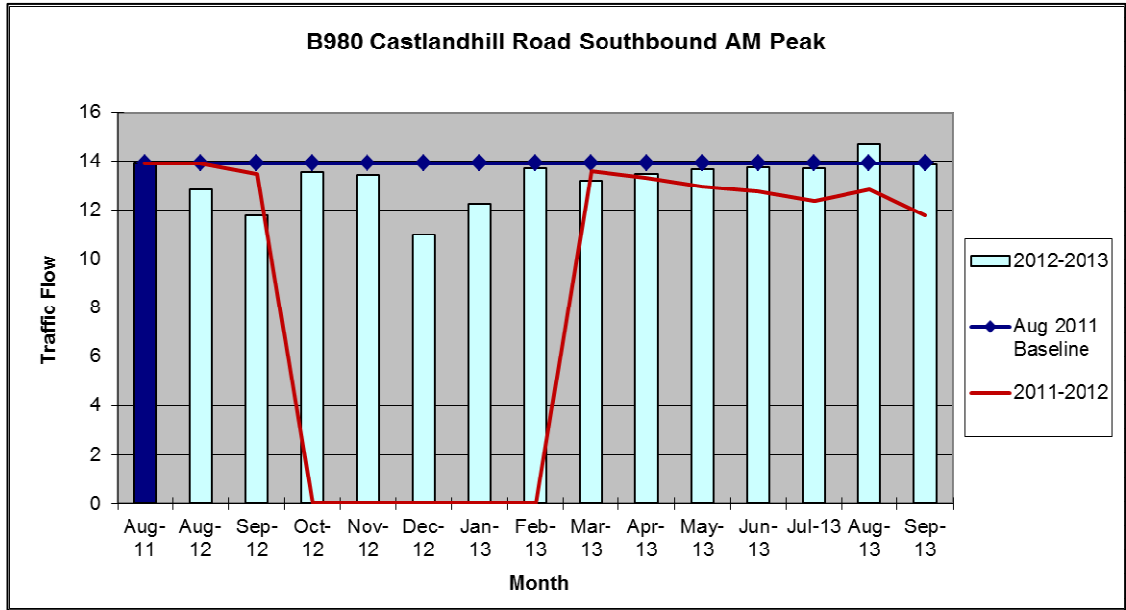


Figure 5-128 Monthly Southbound AM Peak HGVS Flows on the B980 Castlandhill Road

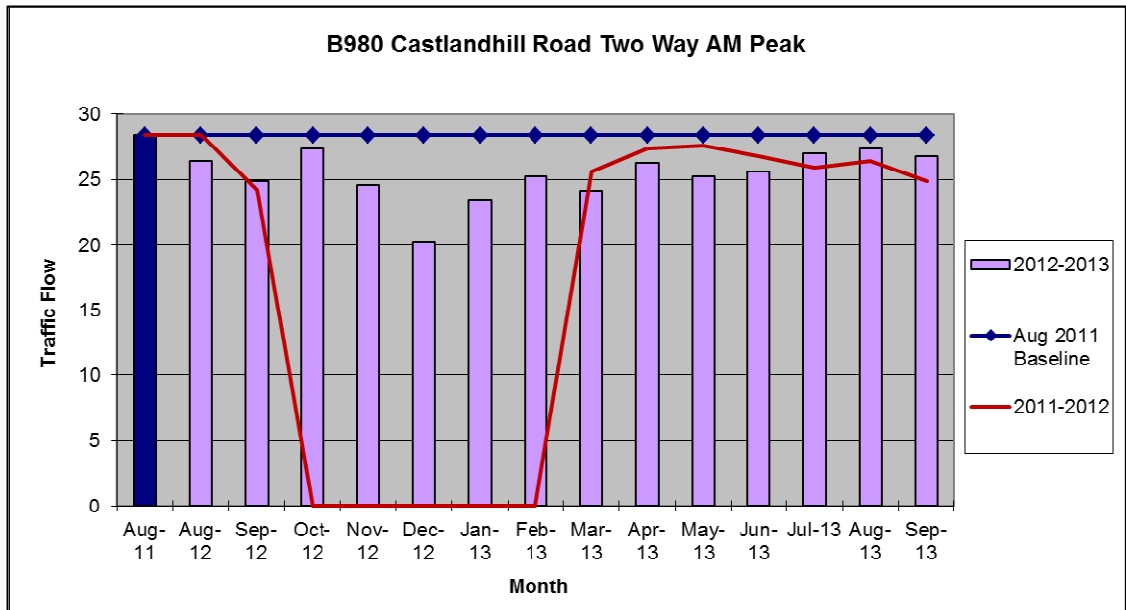


Figure 5-129 Monthly Two Way AM Peak HGVS Flows on the B980 Castlandhill Road

### 5.7.6 Monthly Average PM Peak HGV Flows

Table 5-48 Site: JTC00586 PM Peak HGV Traffic Flows – August 2012 to September 2013

Counter	Location	Date	NB	SB	Two Way
JTC00586	A823 (M) M90 Junction 2 Southbound	Aug-11	19	13	32
		Aug-12	15	10	25
		Sep-12	13	8	21
		Oct-12	14	10	24
		Nov-12	17	15	32
		Dec-12	15	13	28
		Jan-13	16	13	29
		Feb-13	17	15	32
		Mar-13	18	15	33
		Apr-13	19	15	35
		May-13	19	15	34
		Jun-13	18	15	34
		Jul-13	19	15	34
		Aug-13	20	17	37
		Sep-13	20	15	35
<b>Annual Average</b>			<b>17</b>	<b>13</b>	<b>30</b>

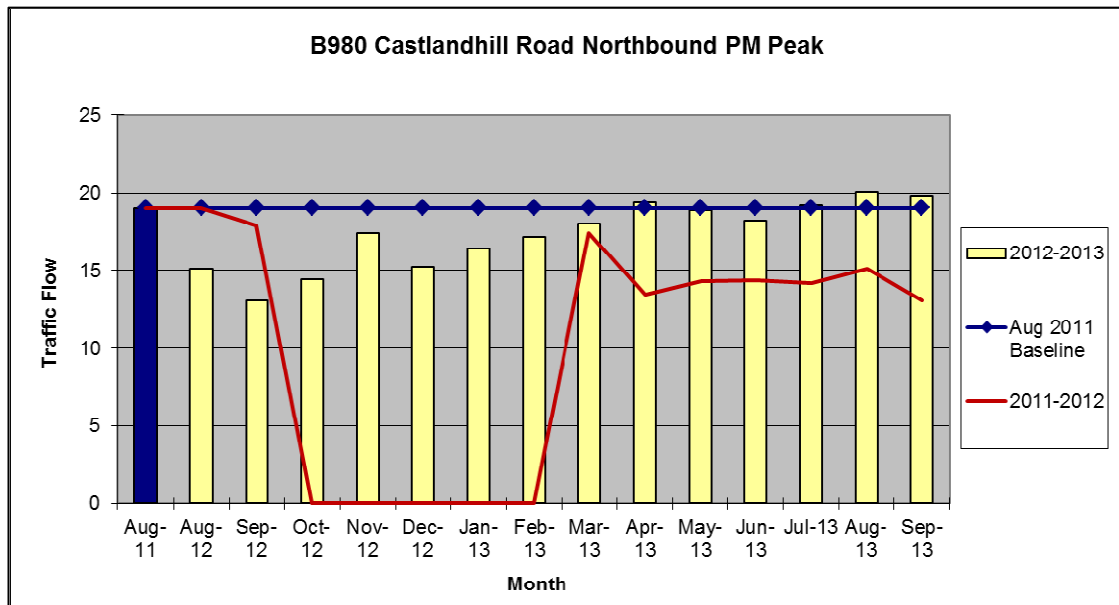


Figure 5-130 Monthly Northbound PM HGV Peak Flows on the B980 Castlandhill Road



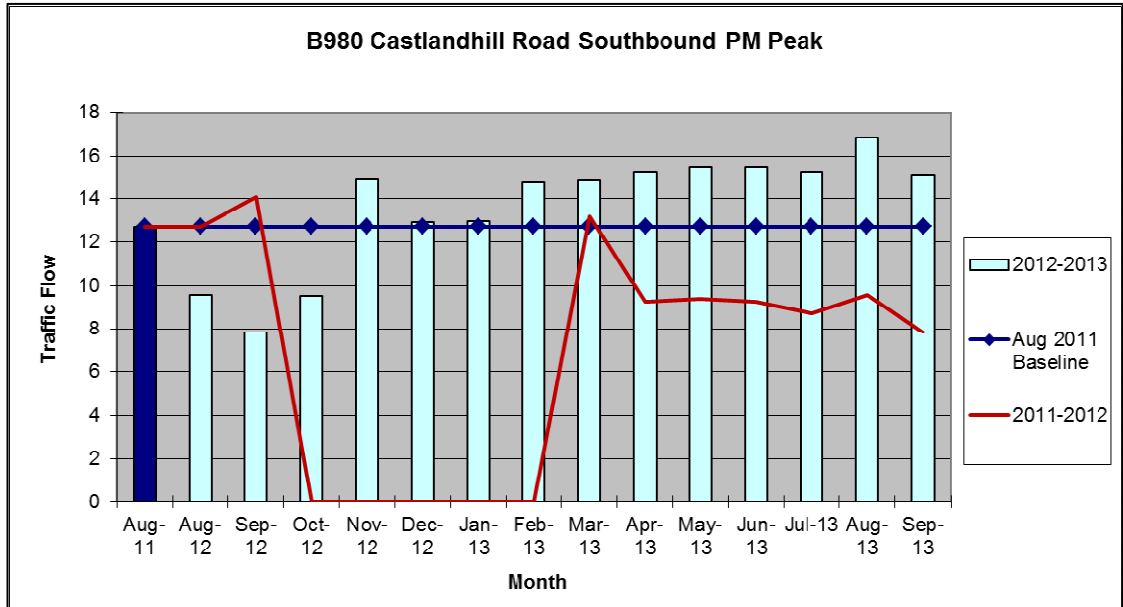


Figure 5-131 Monthly Southbound PM Peak HG V Flows on the B980 Castlandhill Road

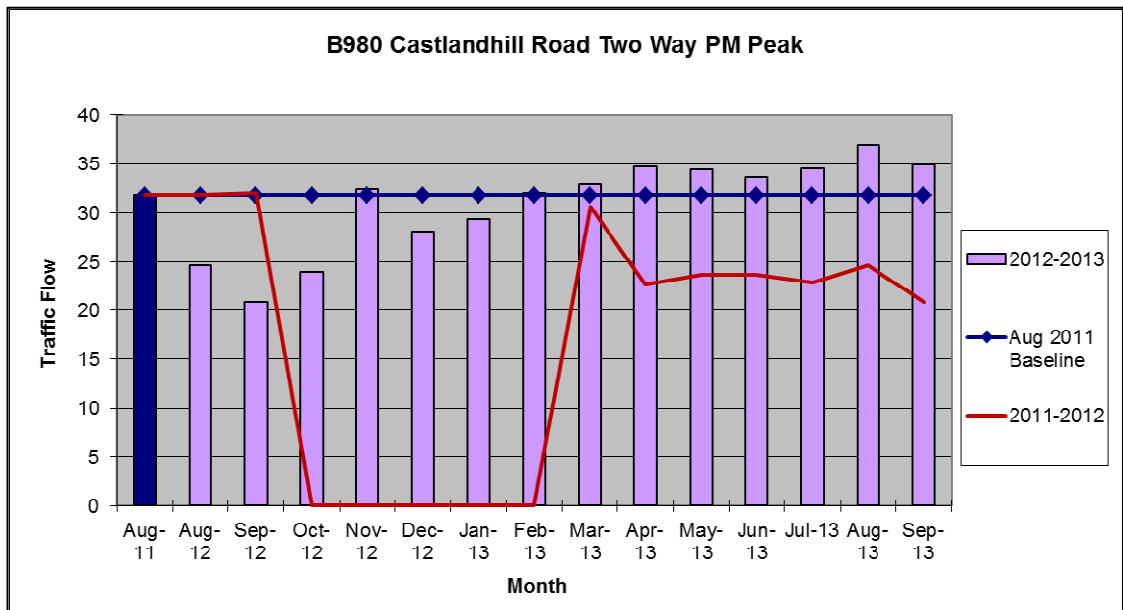


Figure 5-132 Monthly Two Way PM Peak HG V Flows on the B980 Castlandhill Road

5.7.7 Monthly Average All Vehicles Traffic Speeds

Table 5-49 Site: JTC00586 Average Monthly Traffic Speeds (KPH) (All Vehicles) – August 2012 to September 2013

Counter	Location	Date	NB	SB
JTC00586	B980 Castlandhill Road	Aug-12	71	70
		Sep-12	69	69
		Oct-12	72	69
		Nov-12	72	68
		Dec-12	71	68
		Jan-13	71	68
		Feb-13	71	69
		Mar-13	71	69
		Apr-13	73	70
		May-13	72	70
		Jun-13	72	70
		Jul-13	72	70
		Aug-13	71	69
		Sep-13	72	70

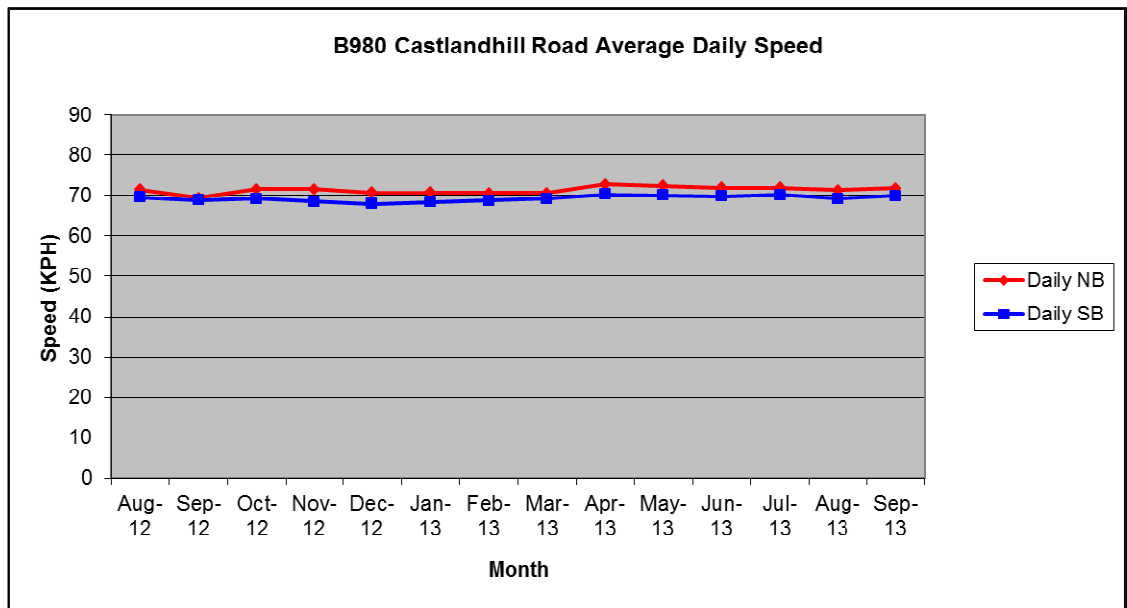


Figure 5-133 Average Monthly Traffic Speeds (KPH) on the B980 Castlandhill Road

## 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 2012 to September 2013

Counter	Location	Date	NB	SB	Two Way
JTC00592	B924 Hawes Brae (South Queensferry)	Aug-11	1,711	1,431	3,142
		Aug-12	1,592	1,341	2,933
		Sep-12	1,544	1,316	2,860
		Oct-12	1,364	1,238	2,602
		Nov-12	1,348	1,253	2,601
		Dec-12	1,170	1,079	2,250
		Jan-13	1,111	1,048	2,158
		Feb-13	No Data	No Data	No Data
		Mar-13	No Data	No Data	No Data
		Apr-13	No Data	No Data	No Data
		May-13	1,491	1,339	2,830
		Jun-13	1,512	1,379	2,892
		Jul-13	1,504	1,314	2,817
		Aug-13	1,550	1,344	2,894
		Sep-13	1,412	1,269	2,681
			<b>Annual Average</b>		<b>1,404</b>

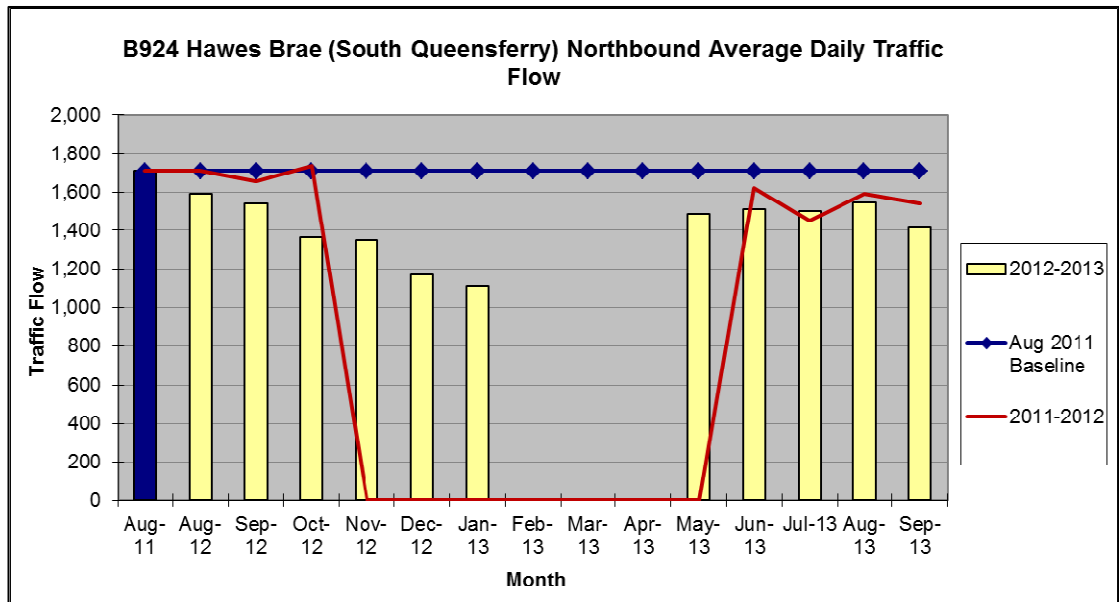


Figure 5-134 Monthly Northbound AADTs on the B924 Hawes Brae (South Queensferry)

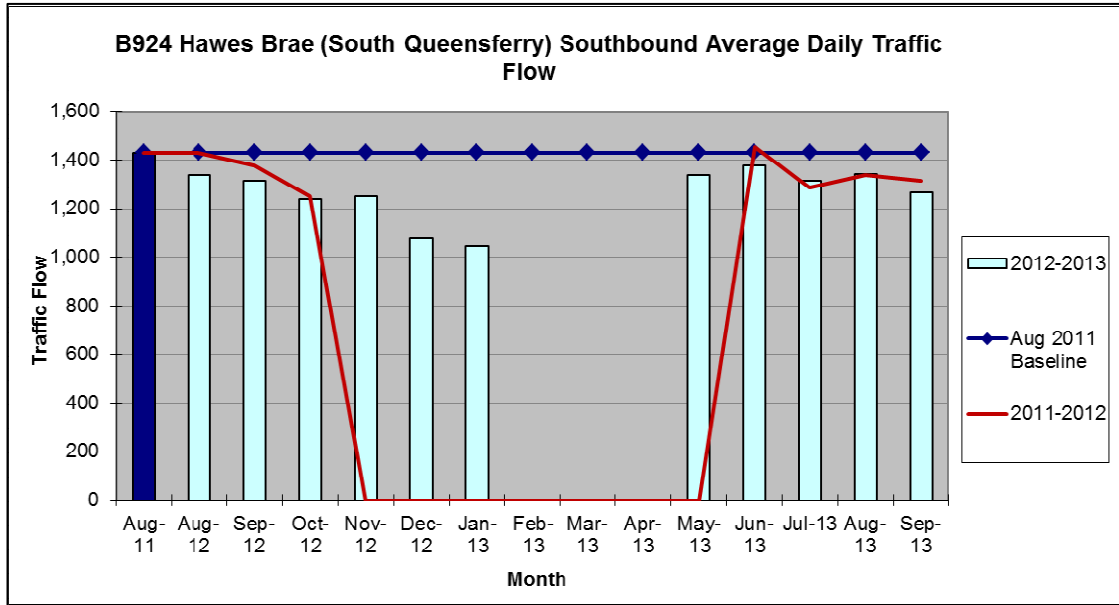


Figure 5-135 Monthly Southbound AADTs on the B924 Hawes Brae (South Queensferry)

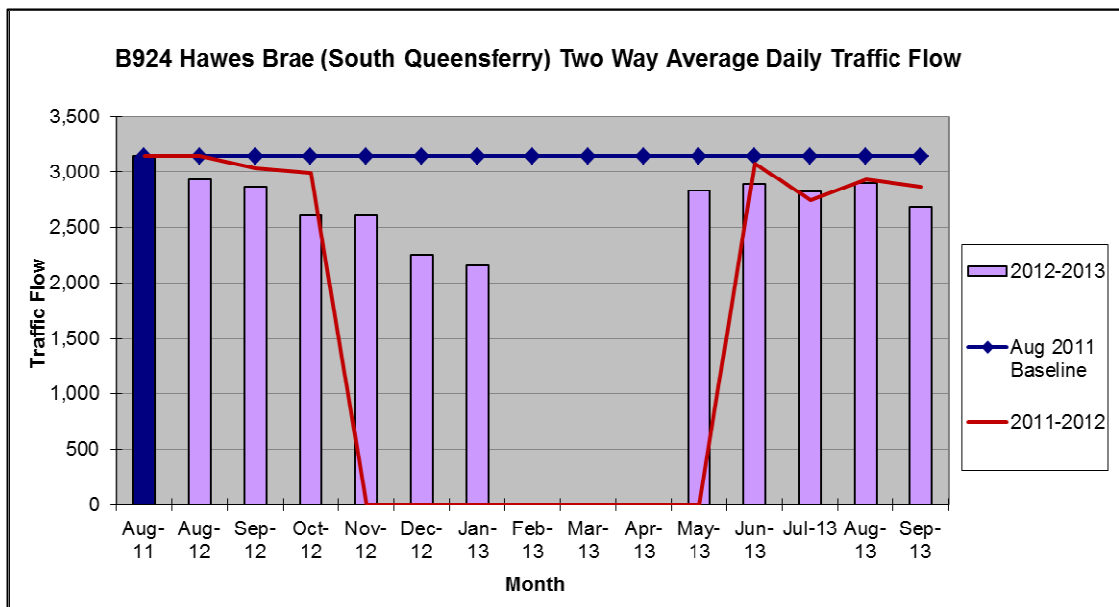


Figure 5-136 Monthly Two Way Daily Traffic Flows on the B924 Hawes Brae (South Queensferry)

### 5.8.2 Monthly Average AM Peak Traffic Flows

Table 5-51 Site: JTC00592 AM Peak Traffic Flows – August 2012 to September 2013

Counter	Location	Date	NB	SB	Two Way
JTC00592	B924 Hawes Brae (South Queensferry)	Aug-11	178	289	467
		Aug-12	220	251	471
		Sep-12	213	242	455
		Oct-12	185	267	451
		Nov-12	157	374	531
		Dec-12	130	283	413
		Jan-13	117	292	409
		Feb-13	No Data	No Data	No Data
		Mar-13	No Data	No Data	No Data
		Apr-13	No Data	No Data	No Data
		May-13	188	253	440
		Jun-13	204	257	461
		Jul-13	201	240	441
		Aug-13	222	256	478
		Sep-13	201	243	444
			<b>Annual Average</b>		<b>179</b>

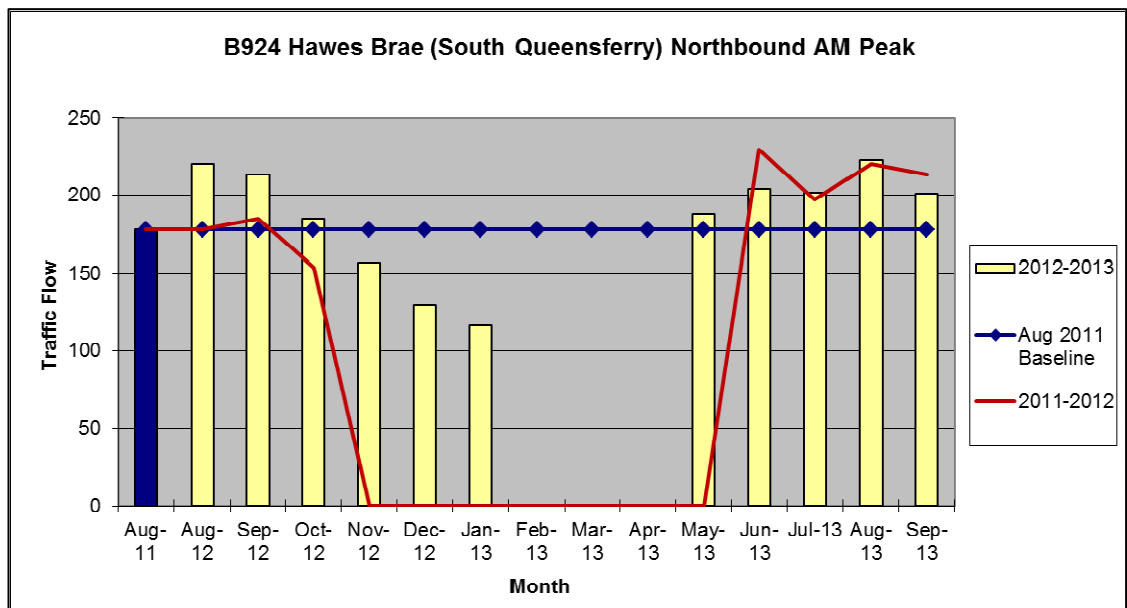


Figure 5-137 Monthly Northbound AM Peak Flows on the B924 Hawes Brae (South Queensferry)

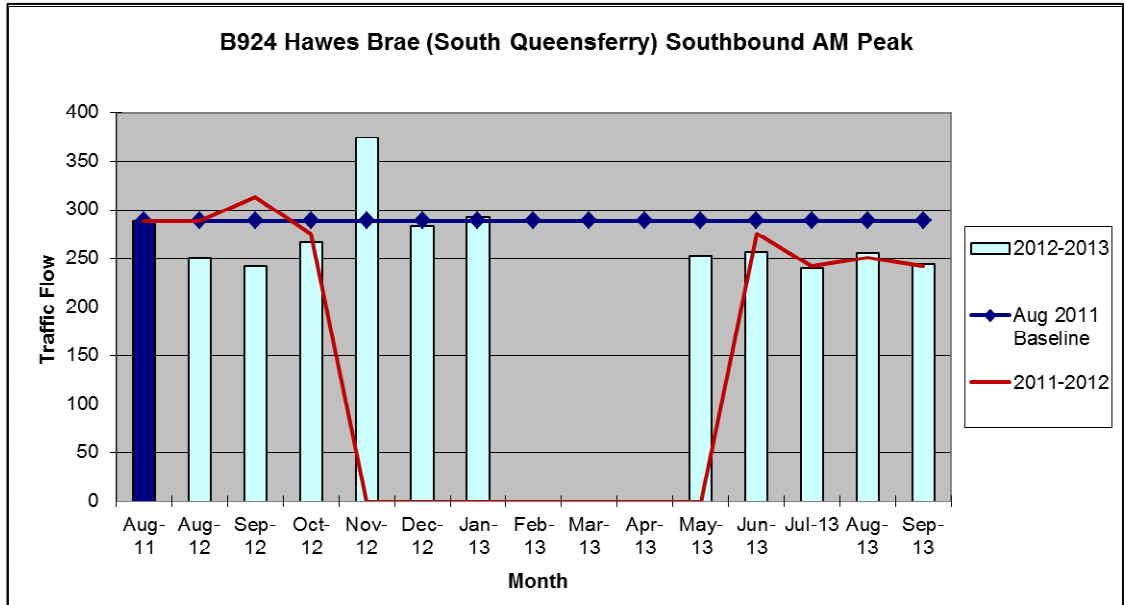


Figure 5-138 Monthly Southbound AM Peak Flows on the B924 Hawes Brae (South Queensferry)

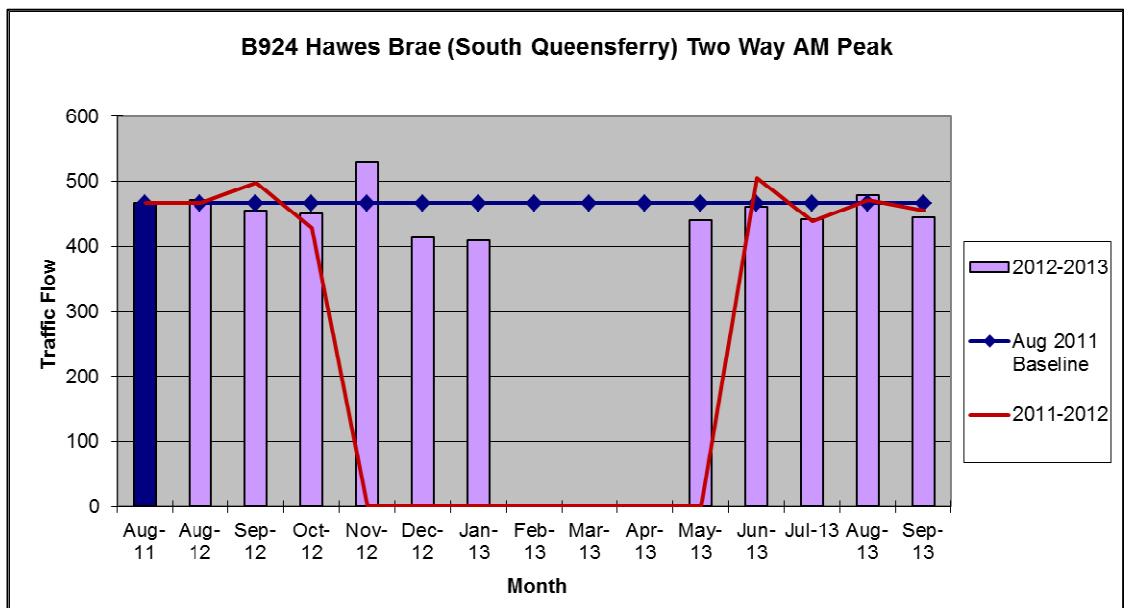


Figure 5-139 Monthly Two Way AM Peak Flows on the B924 Hawes Brae (South Queensferry)

### 5.8.3 Monthly Average PM Peak Traffic Flows

Table 5-52 Site: JTC00592 PM Peak Traffic Flows – August 2012 to September 2013

Counter	Location	Date	NB	SB	Two Way
JTC00592	B924 Hawes Brae (South Queensferry)	Aug-11	580	300	880
		Aug-12	417	234	650
		Sep-12	391	229	620
		Oct-12	364	198	562
		Nov-12	458	224	682
		Dec-12	328	171	499
		Jan-13	340	173	514
		Feb-13	No Data	No Data	No Data
		Mar-13	No Data	No Data	No Data
		Apr-13	No Data	No Data	No Data
		May-13	403	229	632
		Jun-13	398	245	643
		Jul-13	392	238	629
		Aug-13	399	227	625
		Sep-13	371	214	585
			<b>Annual Average</b>		<b>388</b>

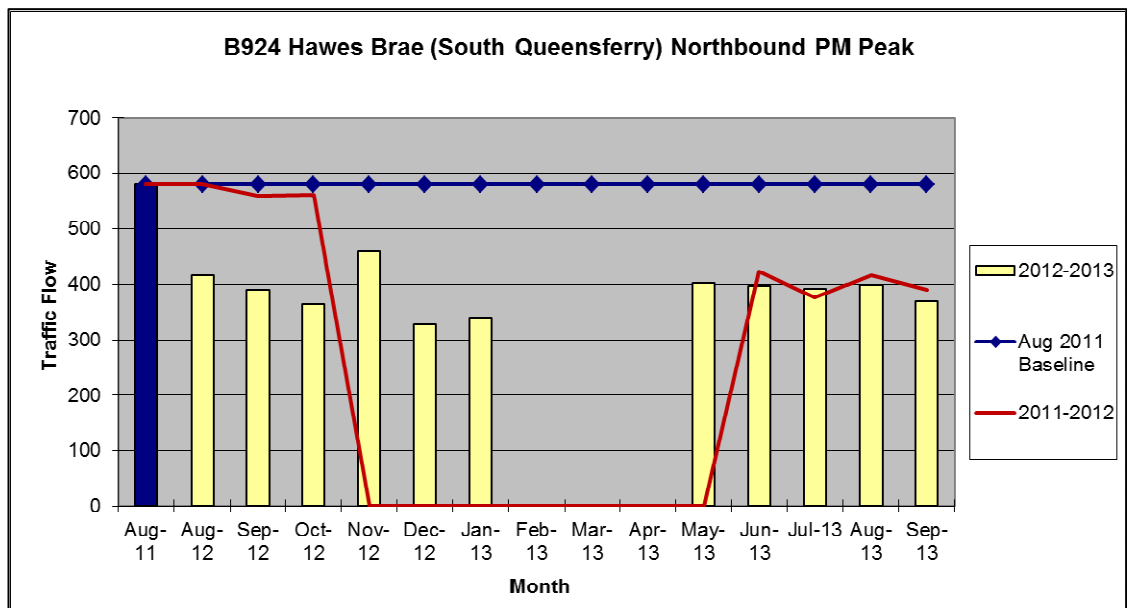


Figure 5-140 Monthly Northbound PM Peak Flows on the B924 Hawes Brae (South Queensferry)

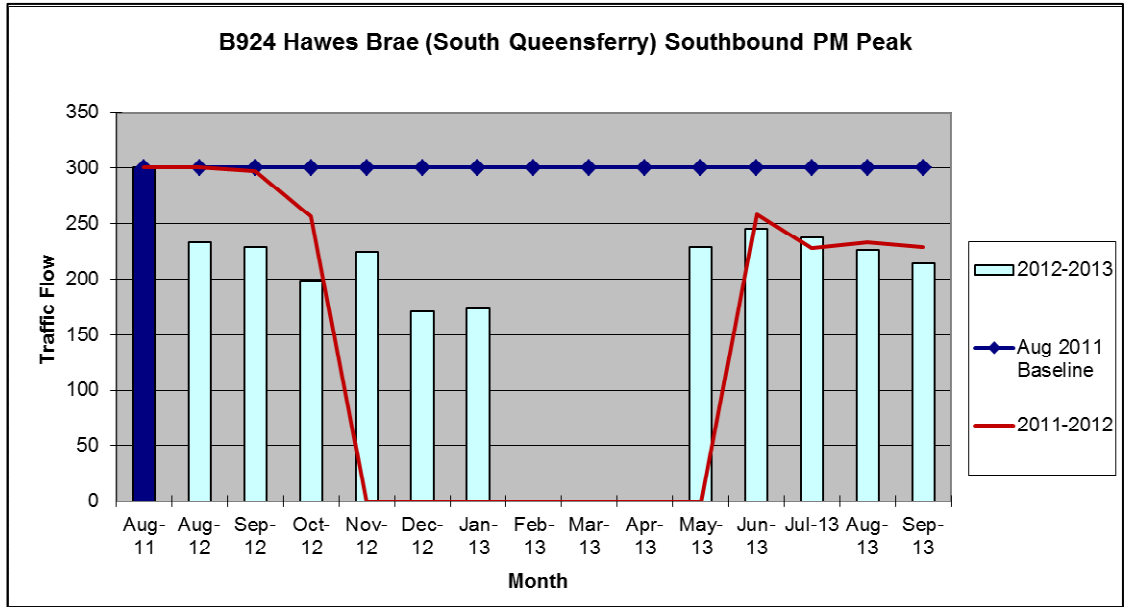


Figure 5-141 Monthly Southbound PM Peak Flows on the B924 Hawes Brae (South Queensferry)

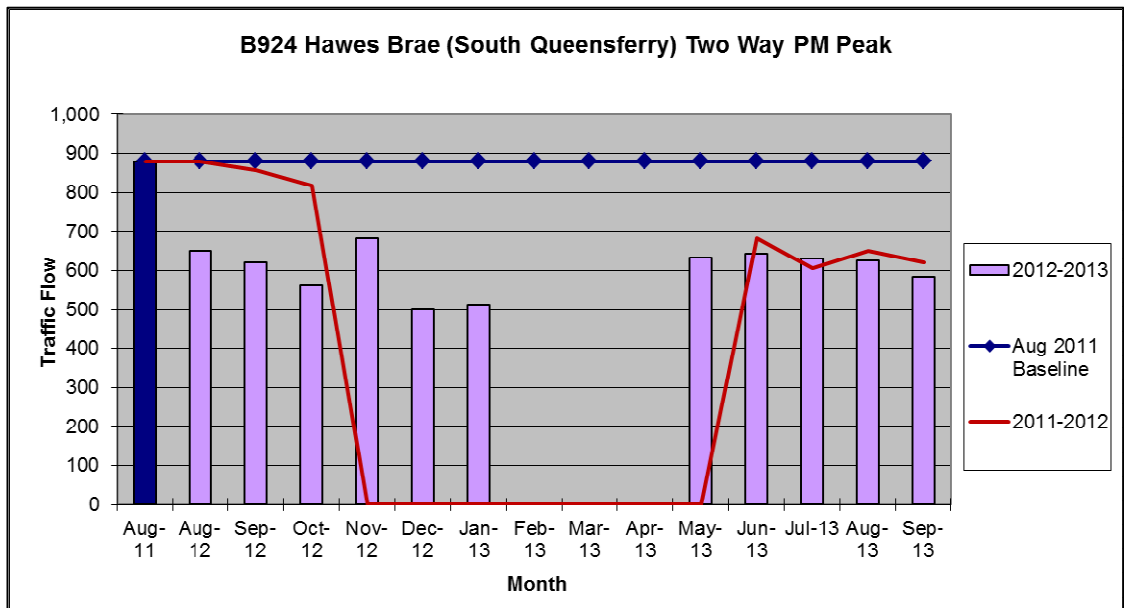


Figure 5-142 Monthly Two Way PM Peak Flows on the B924 Hawes Brae (South Queensferry)



5.8.4 Monthly Average HGV Flows

Table 5-53 Site: JTC00592 Annual HGV Traffic Flows – August 2012 to September 2013

Counter	Location	Date	NB	SB	Two Way		
JTC00592	B924 Hawes Brae (South Queensferry)	Aug-11	22	25	48		
		Aug-12	15	18	33		
		Sep-12	11	12	23		
		Oct-12	6	7	13		
		Nov-12	2	2	3		
		Dec-12	1	1	2		
		Jan-13	2	1	2		
		Feb-13	No Data	No Data	No Data		
		Mar-13	No Data	No Data	No Data		
		Apr-13	No Data	No Data	No Data		
		May-13	10	11	21		
		Jun-13	13	14	27		
		Jul-13	13	14	28		
		Aug-13	20	21	41		
		Sep-13	13	15	29		
		<b>Annual Average</b>			<b>8</b>	<b>9</b>	<b>17</b>

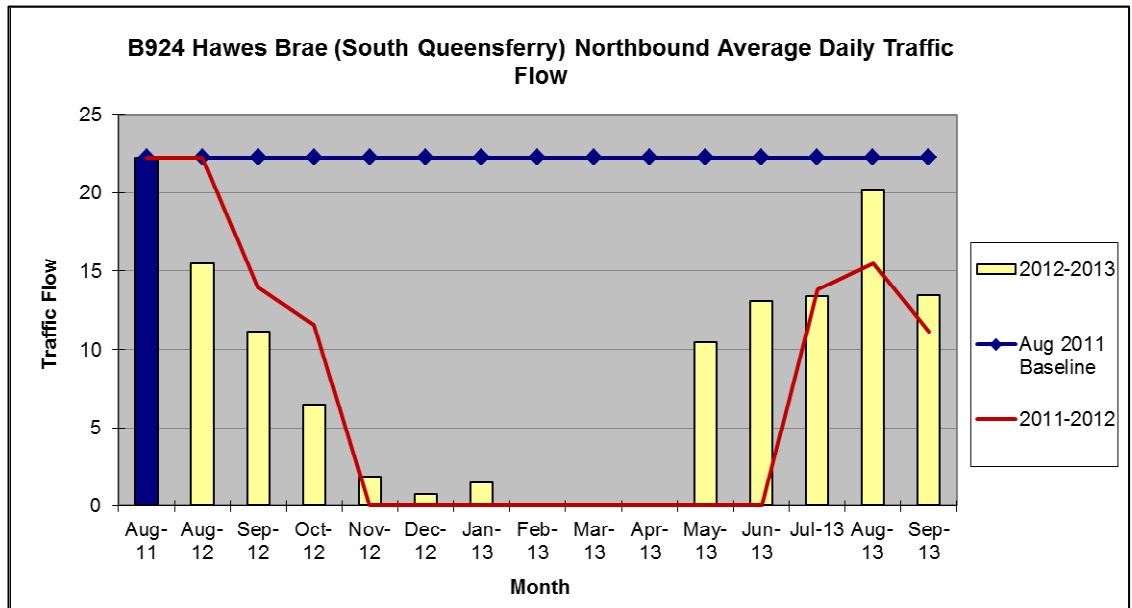


Figure 5-143 Monthly Northbound HGV Flows on the B924 Hawes Brae (South Queensferry)

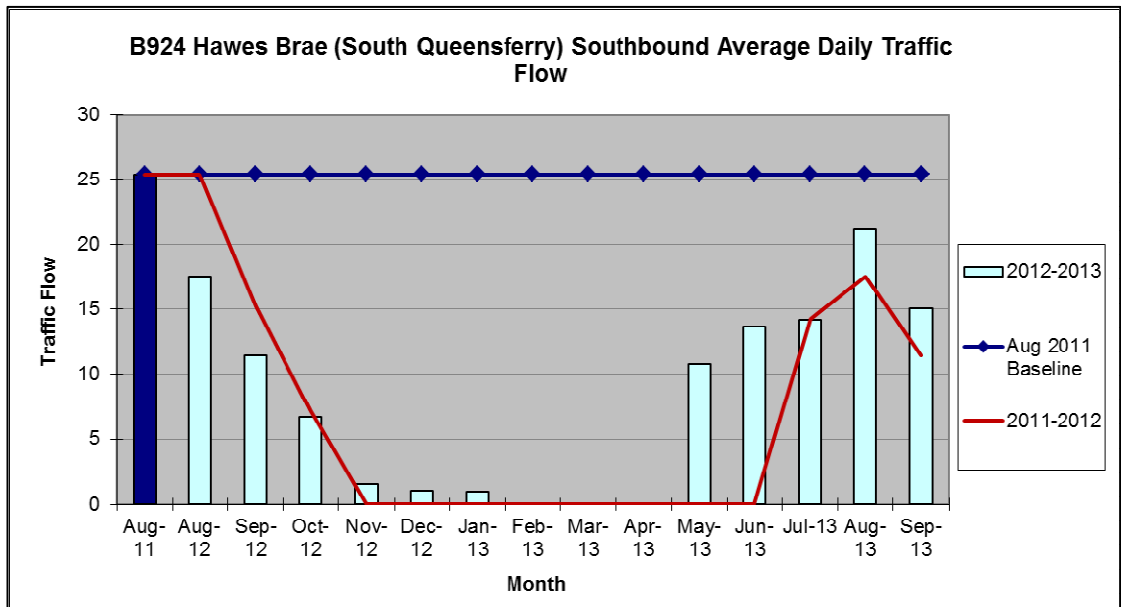


Figure 5-144 Monthly Southbound HGV Flows on the B924 Hawes Brae (South Queensferry)

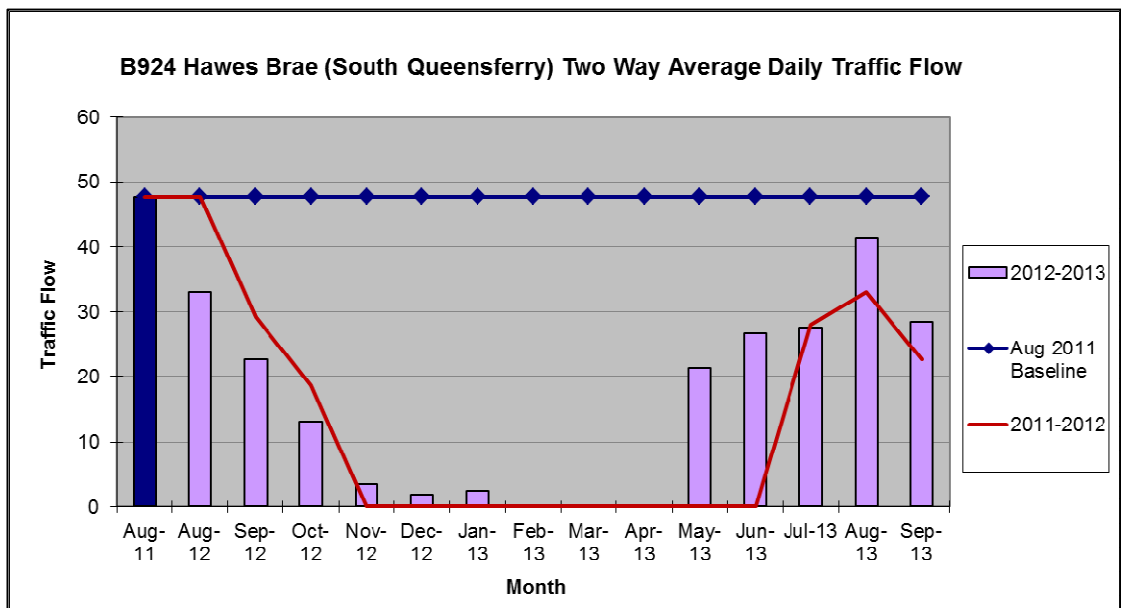


Figure 5-145 Monthly Two Way HGV Flows on the B924 Hawes Brae (South Queensferry)

### 5.8.5 Monthly Average AM Peak HGV Flows

Table 5-54 Site: JTC00592 AM Peak HGV Traffic Flows – August 2012 to September 2013

Counter	Location	Date	NB	SB	Two Way		
JTC00592	B924 Hawes Brae (South Queensferry)	Aug-11	5	6	10		
		Aug-12	4	4	7		
		Sep-12	3	2	5		
		Oct-12	1	1	2		
		Nov-12	1	1	1		
		Dec-12	0	1	1		
		Jan-13	0	0	1		
		Feb-13	No Data	No Data	No Data		
		Mar-13	No Data	No Data	No Data		
		Apr-13	No Data	No Data	No Data		
		May-13	3	3	6		
		Jun-13	4	4	8		
		Jul-13	3	4	7		
		Aug-13	5	7	13		
		Sep-13	2	3	6		
		<b>Annual Average</b>			<b>2</b>	<b>2</b>	<b>4</b>

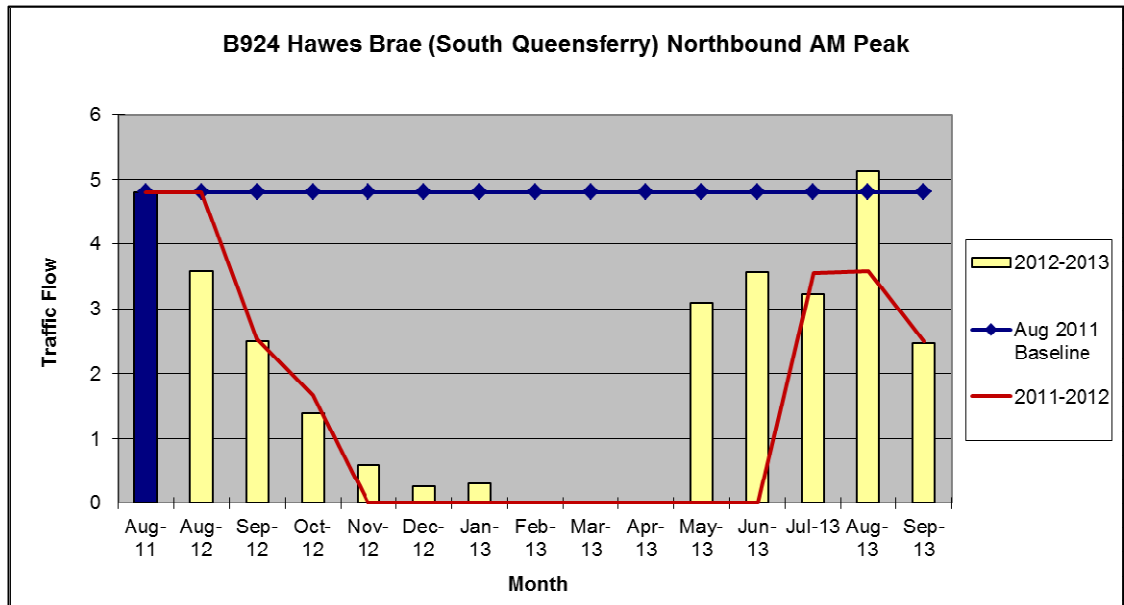


Figure 5-146 Monthly Northbound AM Peak HGV Flows on the B924 Hawes Brae (South Queensferry)

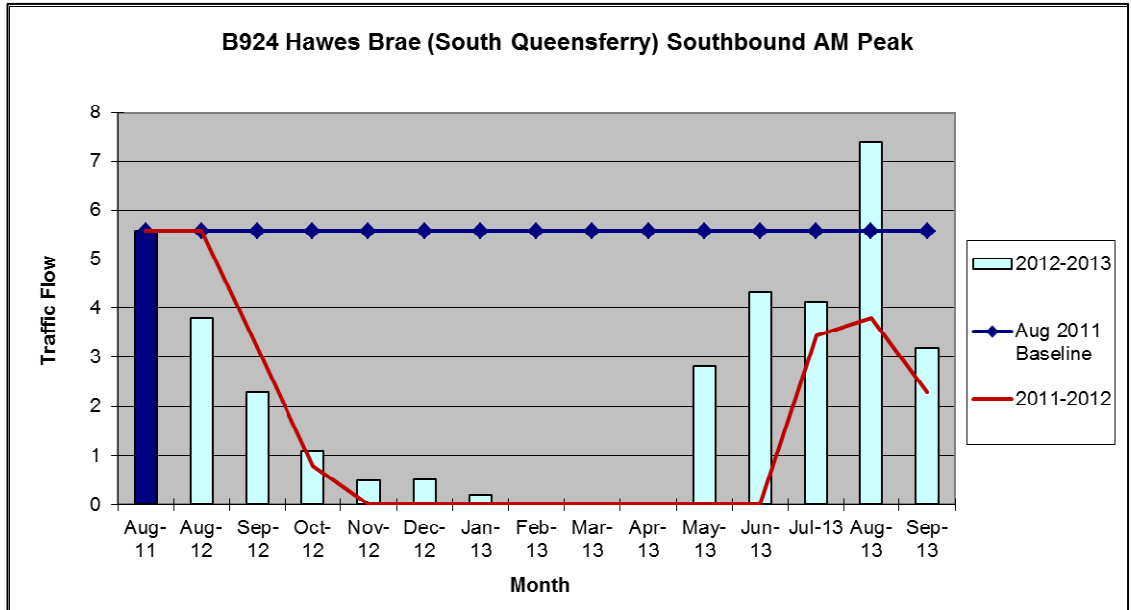


Figure 5-147 Monthly Westbound AM Peak HGV Flows on the B924 Hawes Brae (South Queensferry)

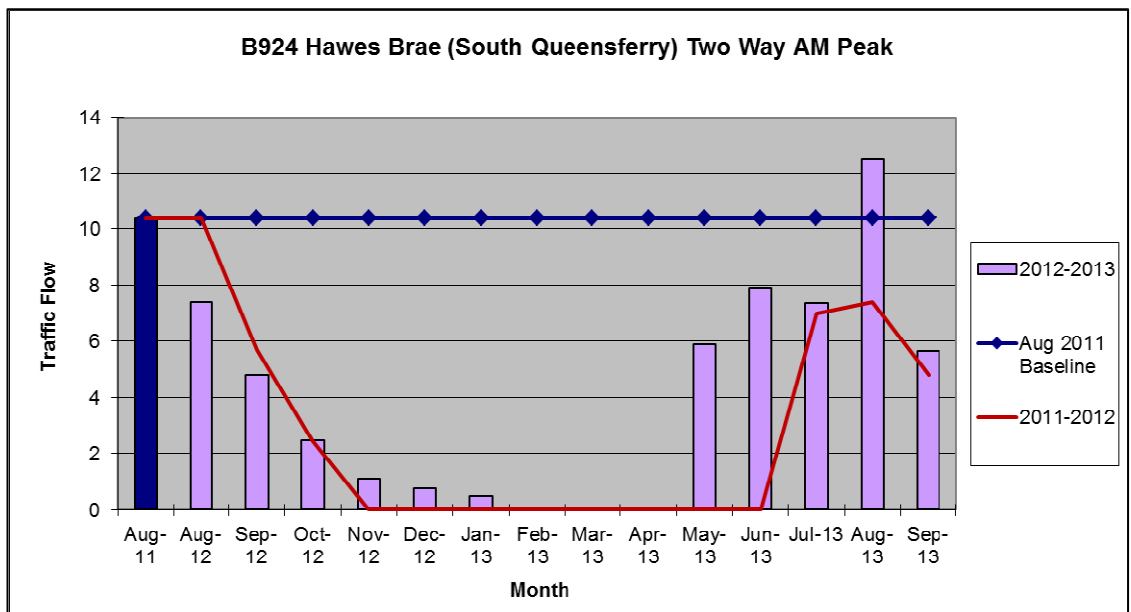


Figure 5-148 Monthly Two Way AM Peak HGV Flows on the B924 Hawes Brae (South Queensferry)

5.8.6 Monthly Average PM Peak HGV Flows

Table 5-55 Site: JTC00592 PM Peak HGV Traffic Flows – August 2012 to September 2013

Counter	Location	Date	NB	SB	Two Way
JTC00592	B924 Hawes Brae (South Queensferry)	Aug-11	7	7	13
		Aug-12	3	2	5
		Sep-12	1	1	2
		Oct-12	0	0	0
		Nov-12	0	0	0
		Dec-12	0	0	0
		Jan-13	0	0	0
		Feb-13	No Data	No Data	No Data
		Mar-13	No Data	No Data	No Data
		Apr-13	No Data	No Data	No Data
		May-13	1	1	2
		Jun-13	2	1	3
		Jul-13	2	2	4
		Aug-13	3	2	5
		Sep-13	2	2	4
		<b>Annual Average</b>			<b>1</b>

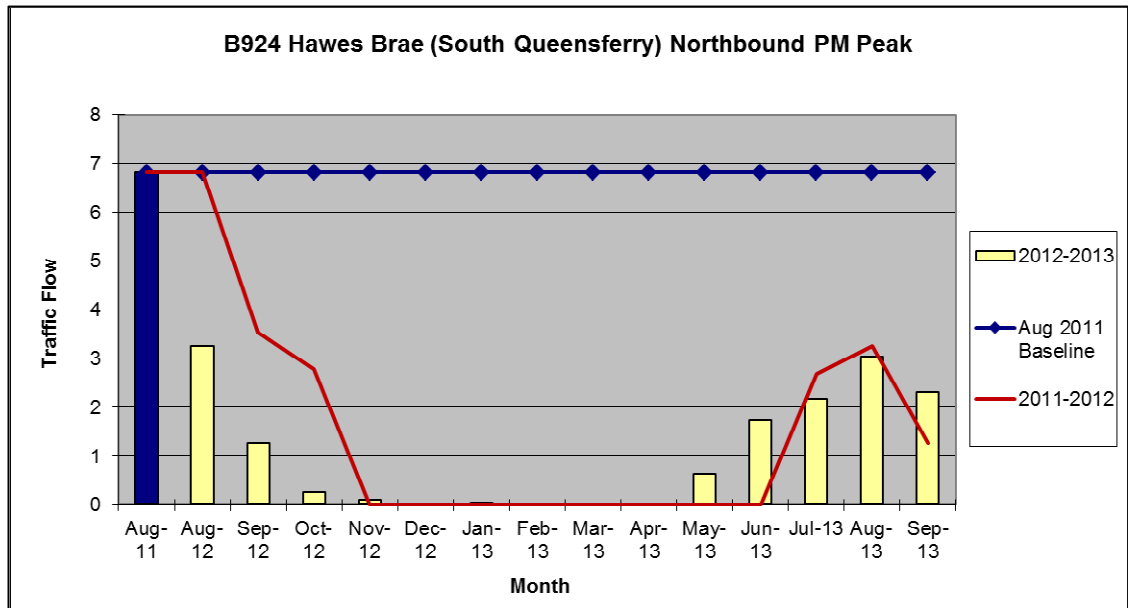


Figure 5-149 Monthly Northbound PM HGV Peak Flows on the B924 Hawes Brae (South Queensferry)

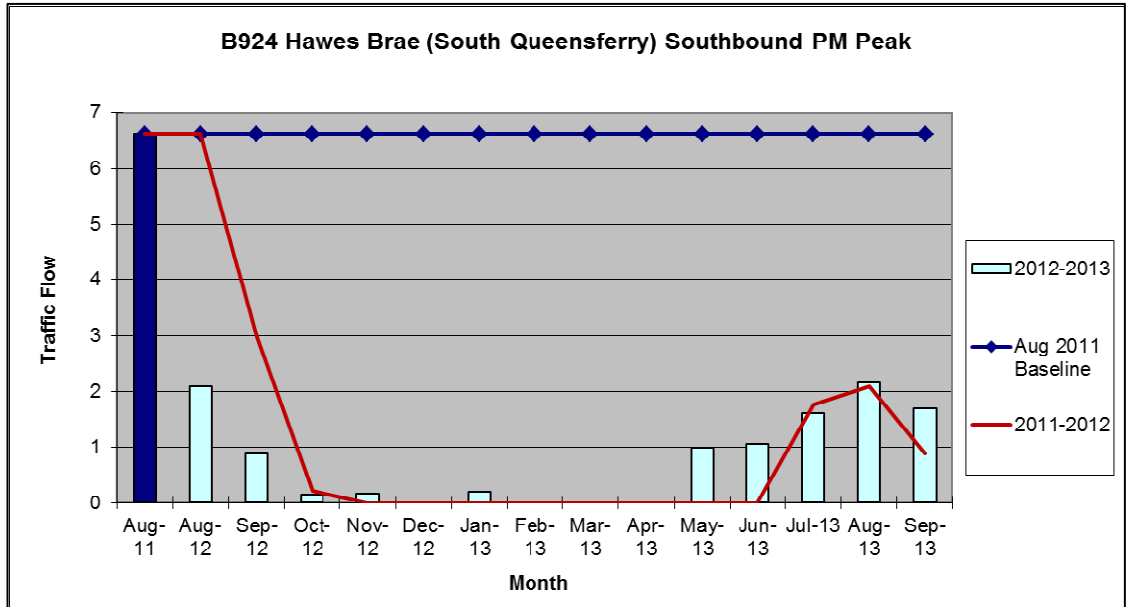


Figure 5-150 Monthly Southbound PM Peak HGV Flows on the B924 Hawes Brae (South Queensferry)

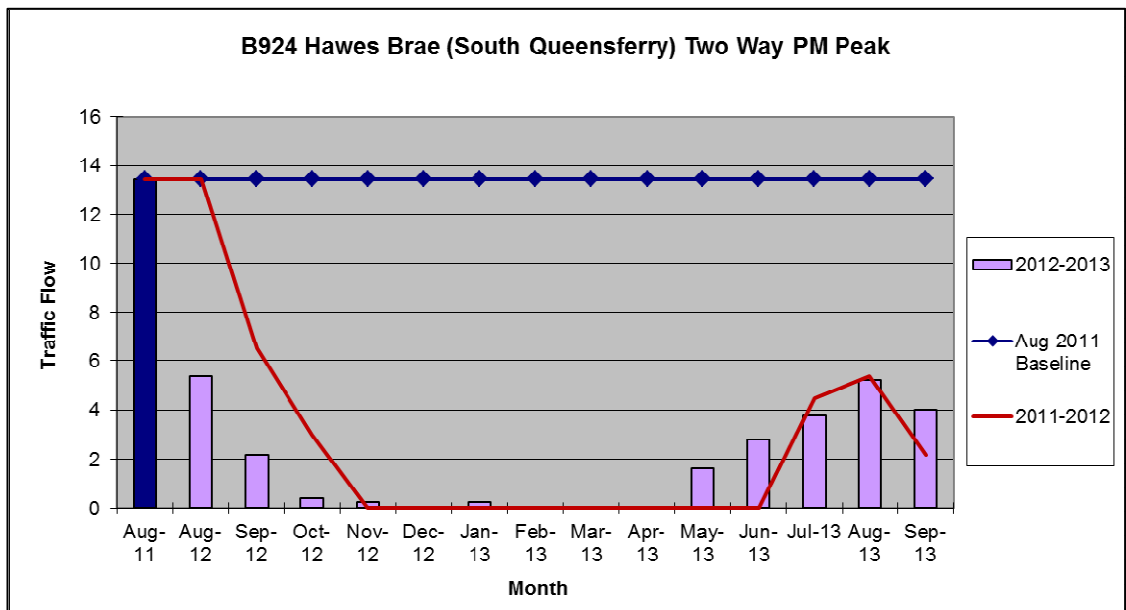


Figure 5-151 Monthly Two Way PM Peak HGV Flows on the B924 Hawes Brae (South Queensferry)

5.8.7 Monthly Average All Vehicles Traffic Speeds

Table 5-56 Site: JTC00592 Average Monthly Traffic Speeds (KPH) (All Vehicles) – August 2012 to September 2013

Counter	Location	Date	NB	SB
JTC00592	B924 Hawes Brae (South Queensferry)	Aug-12	71	66
		Sep-12	71	68
		Oct-12	72	68
		Nov-12	71	68
		Dec-12	70	67
		Jan-13	71	67
		Feb-13	No Data	No Data
		Mar-13	No Data	No Data
		Apr-13	No Data	No Data
		May-13	73	69
		Jun-13	72	69
		Jul-13	72	68
		Aug-13	71	67
		Sep-13	72	68

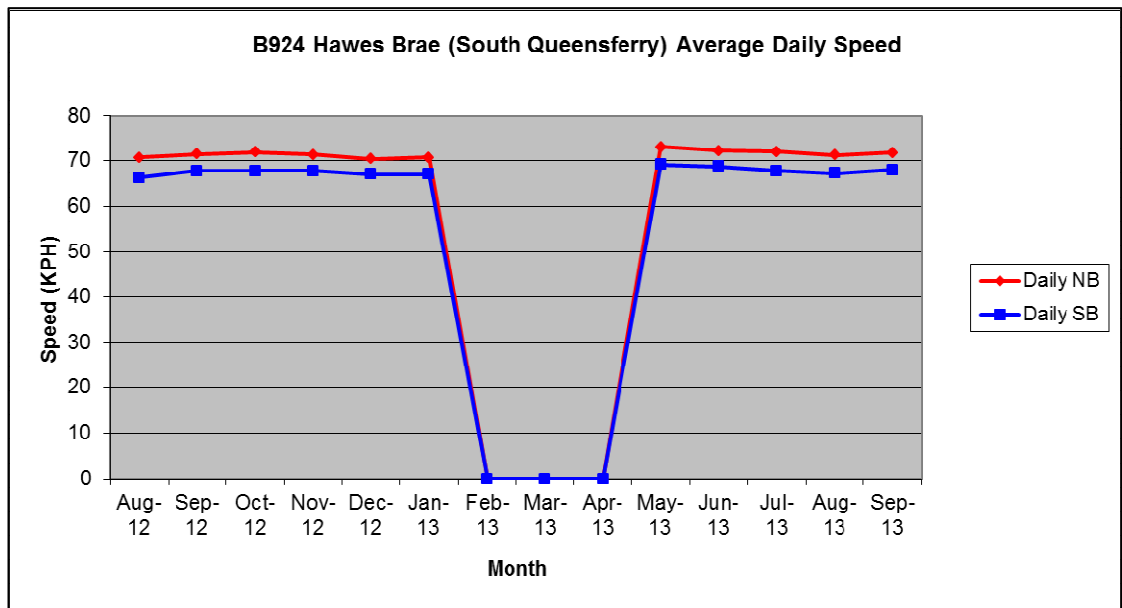


Figure 5-152 Average Monthly Traffic Speeds (KPH) on the B924 Hawes Brae (South Queensferry)

## 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 2012 to September 2013

Counter	Location	Date	NB	SB	Two Way
JTC00594	B981 Hope Street (Inverkeithing)	Aug-11	2,477	2,393	4,870
		Aug-12	2,913	3,242	6,155
		Sep-12	2,898	3,128	6,026
		Oct-12	2,780	3,044	5,823
		Nov-12	2,678	2,872	5,550
		Dec-12	2,503	2,662	5,165
		Jan-13	2,388	2,563	4,951
		Feb-13	2,639	2,840	5,479
		Mar-13	2,277	2,239	4,516
		Apr-13	2,094	1,816	3,910
		May-13	2,815	2,951	5,766
		Jun-13	3,050	3,146	6,196
		Jul-13	3,008	3,018	6,027
		Aug-13	2,003	2,617	4,619
		Sep-13	2,729	2,871	5,600
		<b>Annual Average</b>	<b>2,670</b>	<b>2,793</b>	<b>5,464</b>

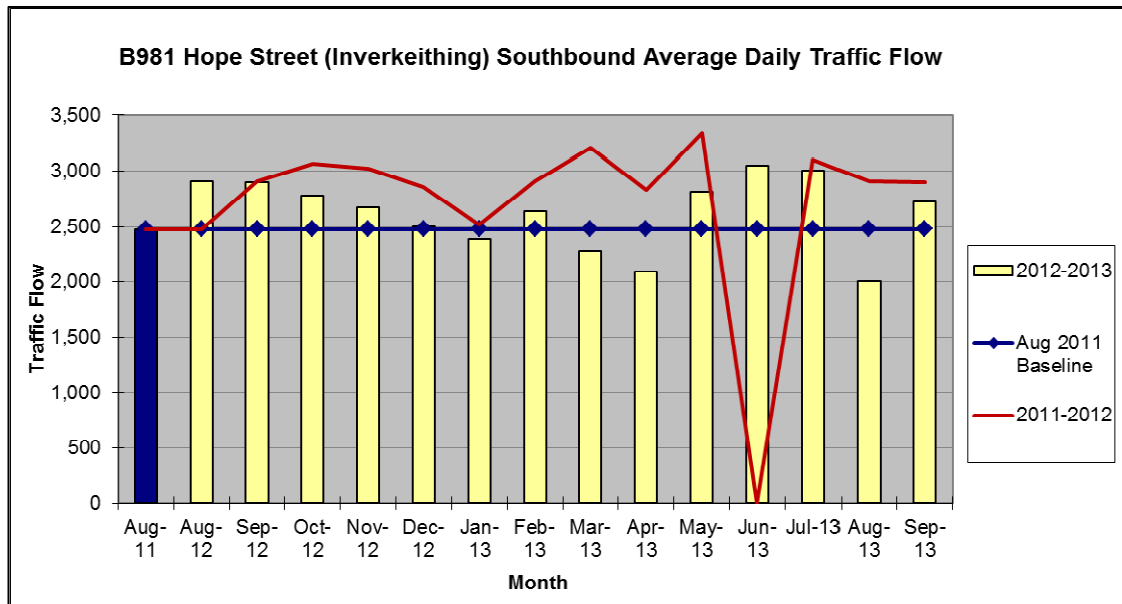


Figure 5-153 Monthly Northbound AADTs on the B981 Hope Street (Inverkeithing)



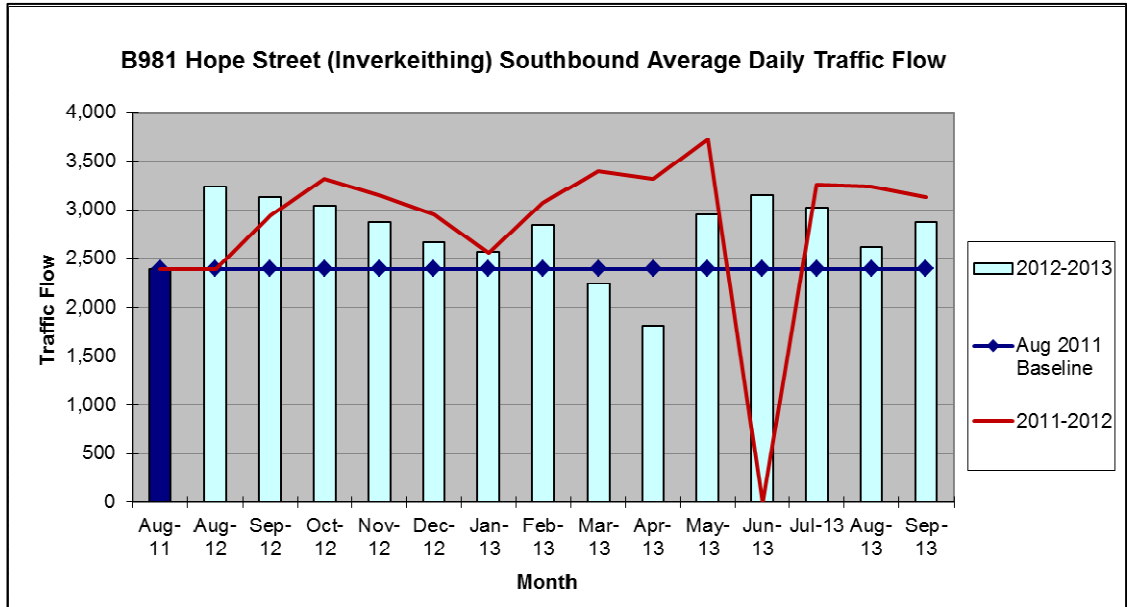


Figure 5-154 Monthly Southbound AADTs on the B981 Hope Street (Inverkeithing)

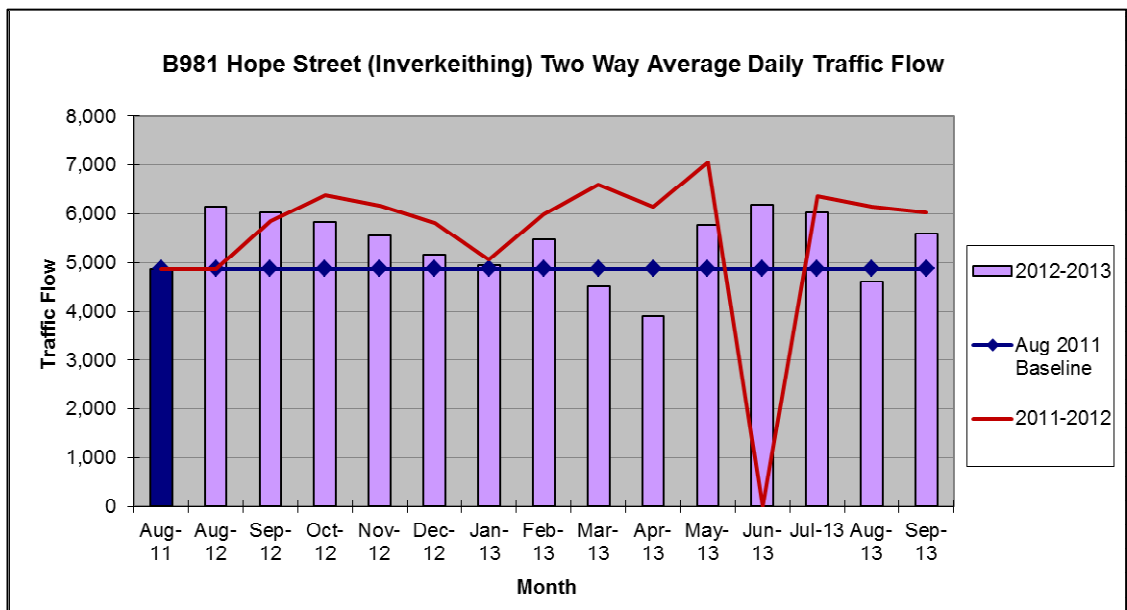


Figure 5-155 Monthly Two Way Daily Traffic Flows on the B981 Hope Street (Inverkeithing)

5.9.2 Monthly Average AM Peak Traffic Flows

Table 5-58 Site: JTC00594 AM Peak Traffic Flows – August 2012 to September 2013

Counter	Location	Date	NB	SB	Two Way
JTC00594	B981 Hope Street (Inverkeithing)	Aug-11	350	644	994
		Aug-12	360	796	1,156
		Sep-12	363	756	1,120
		Oct-12	350	777	1,127
		Nov-12	335	729	1,064
		Dec-12	304	603	907
		Jan-13	320	662	981
		Feb-13	340	767	1,107
		Mar-13	173	336	509
		Apr-13	63	114	177
		May-13	392	742	1,135
		Jun-13	396	726	1,122
		Jul-13	349	684	1,033
		Aug-13	422	859	1,280
		Sep-13	361	729	1,090
		<b>Annual Average</b>	<b>312</b>	<b>641</b>	<b>953</b>

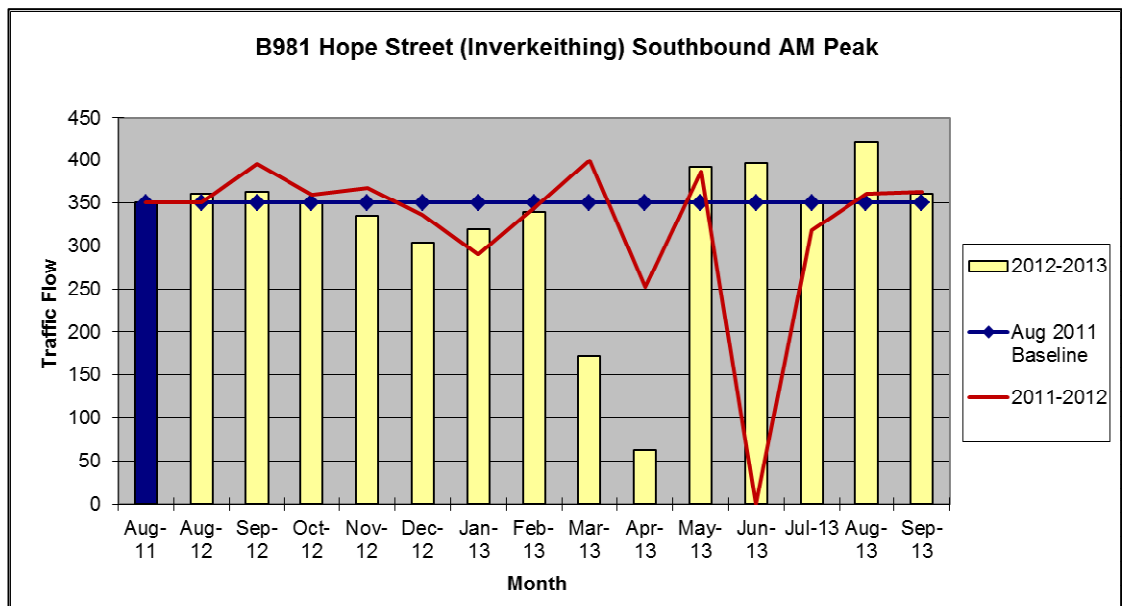


Figure 5-156 Monthly Eastbound AM Peak Flows on the B981 Hope Street (Inverkeithing)

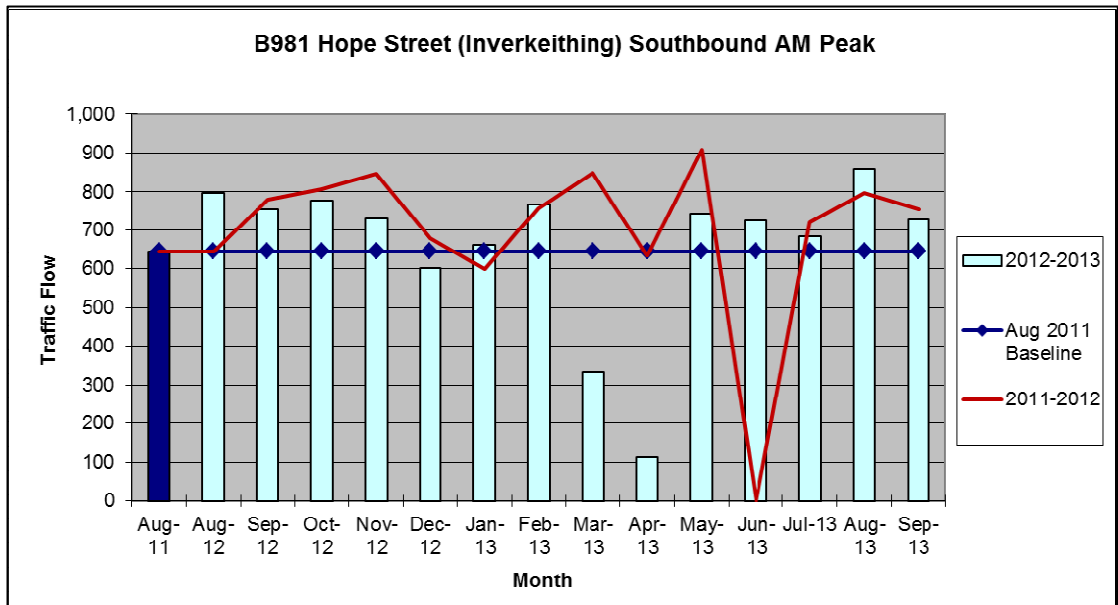


Figure 5-157 Monthly Westbound AM Peak Flows on the B981 Hope Street (Inverkeithing)

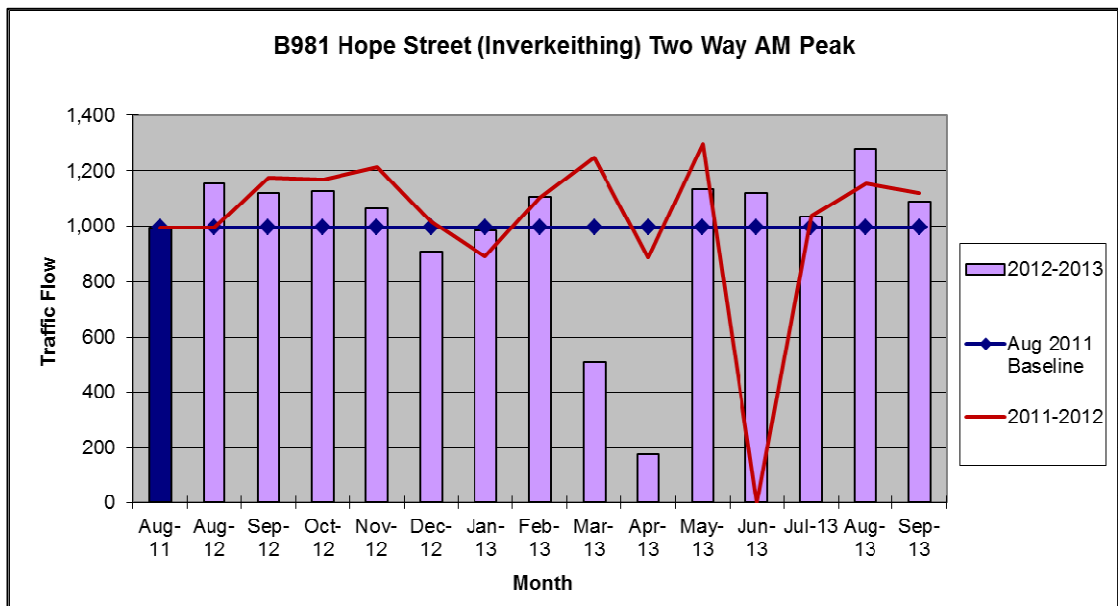


Figure 5-158 Monthly Two Way AM Peak Flows on the B981 Hope Street (Inverkeithing)

### 5.9.3 Monthly Average PM Peak Traffic Flows

Table 5-59 Site: JTC00594 PM Peak Traffic Flows – August 2012 to September 2013

Counter	Location	Date	NB	SB	Two Way
JTC00594	B981 Hope Street (Inverkeithing)	Aug-11	761	439	1,200
		Aug-12	826	574	1,399
		Sep-12	846	574	1,420
		Oct-12	839	539	1,378
		Nov-12	815	525	1,340
		Dec-12	675	447	1,122
		Jan-13	706	415	1,121
		Feb-13	877	542	1,418
		Mar-13	680	481	1,161
		Apr-13	781	540	1,321
		May-13	798	510	1,308
		Jun-13	863	577	1,439
		Jul-13	873	552	1,425
		Aug-13	346	261	607
		Sep-13	813	529	1,342
	<b>Annual Average</b>		<b>798</b>	<b>523</b>	<b>1,321</b>

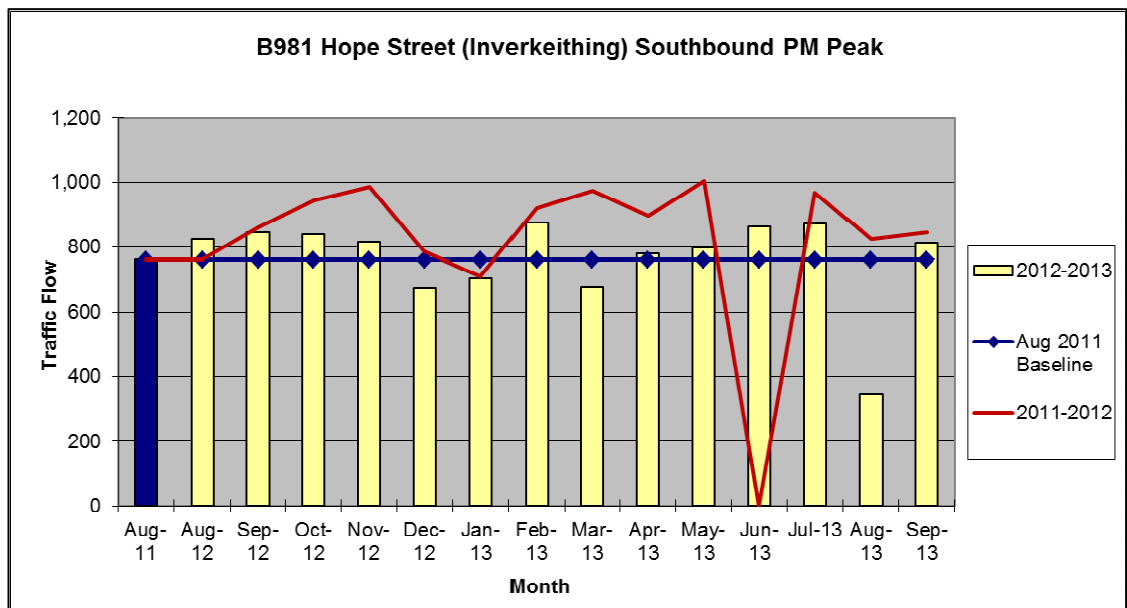


Figure 5-159 Monthly Northbound PM Peak Flows on the B981 Hope Street (Inverkeithing)

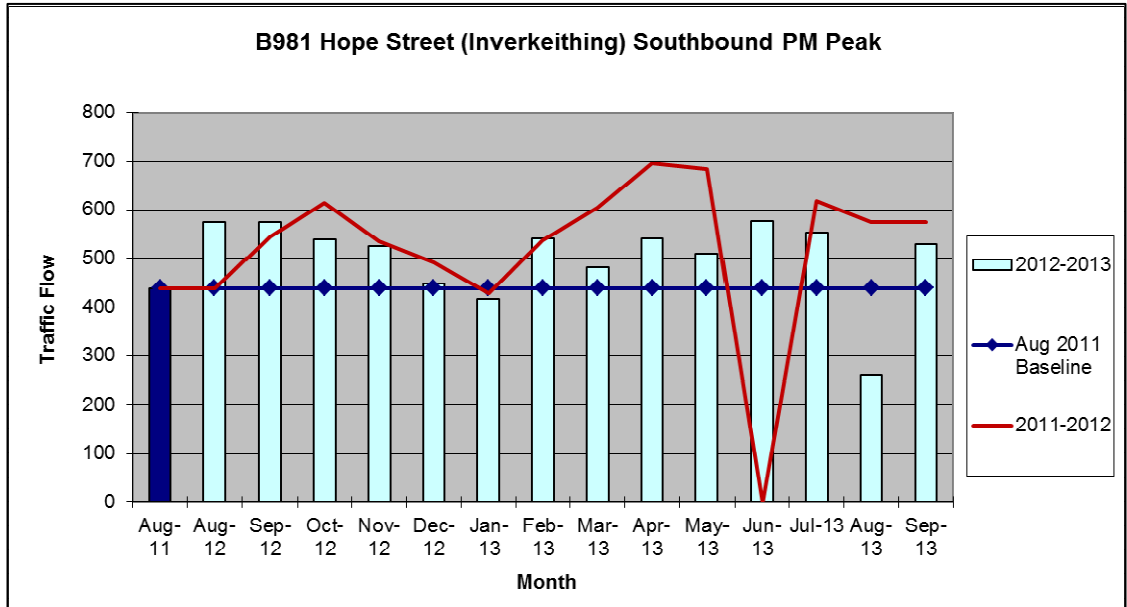


Figure 5-160 Monthly Southbound PM Peak Flows on the B981 Hope Street (Inverkeithing)

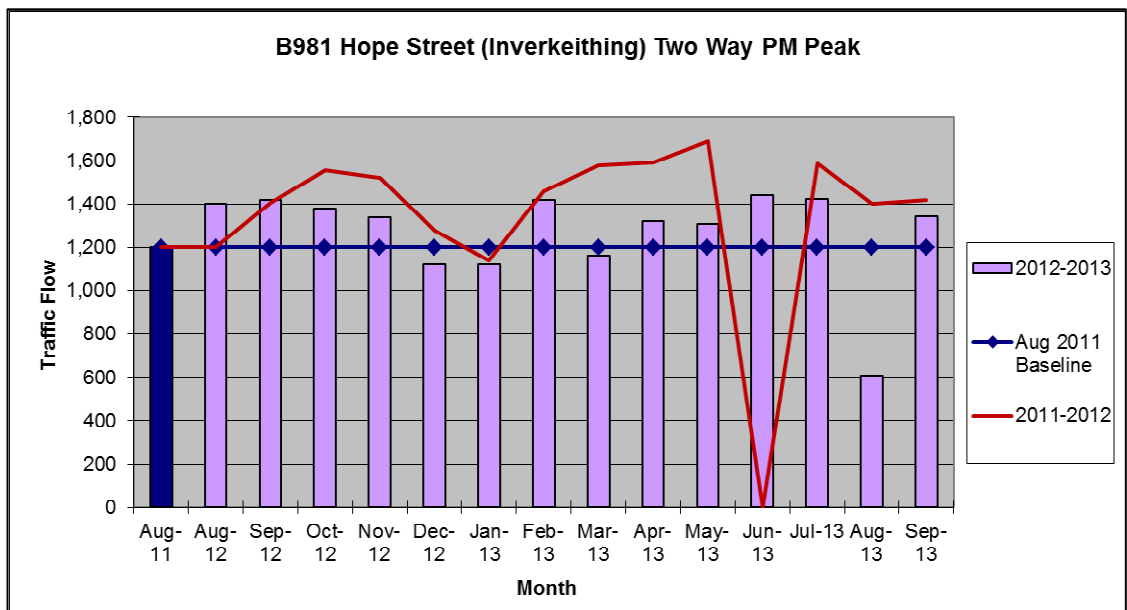


Figure 5-161 Monthly Two Way PM Peak Flows on the B981 Hope Street (Inverkeithing)

### 5.9.4 Monthly Average HGV Flows

Table 5-60 Site: JTC00594 Annual HGV Traffic Flows – August 2012 to September 2013

Counter	Location	Date	NB	SB	Two Way
JTC00594	B981 Hope Street (Inverkeithing)	Aug-11	67	52	119
		Aug-12	142	110	252
		Sep-12	152	114	266
		Oct-12	150	116	266
		Nov-12	130	89	219
		Dec-12	124	77	200
		Jan-13	120	88	208
		Feb-13	126	98	224
		Mar-13	103	49	152
		Apr-13	87	44	130
		May-13	120	51	171
		Jun-13	130	45	175
		Jul-13	133	57	190
		Aug-13	80	49	129
		Sep-13	127	65	192
		<b>Annual Average</b>	<b>126</b>	<b>78</b>	<b>204</b>

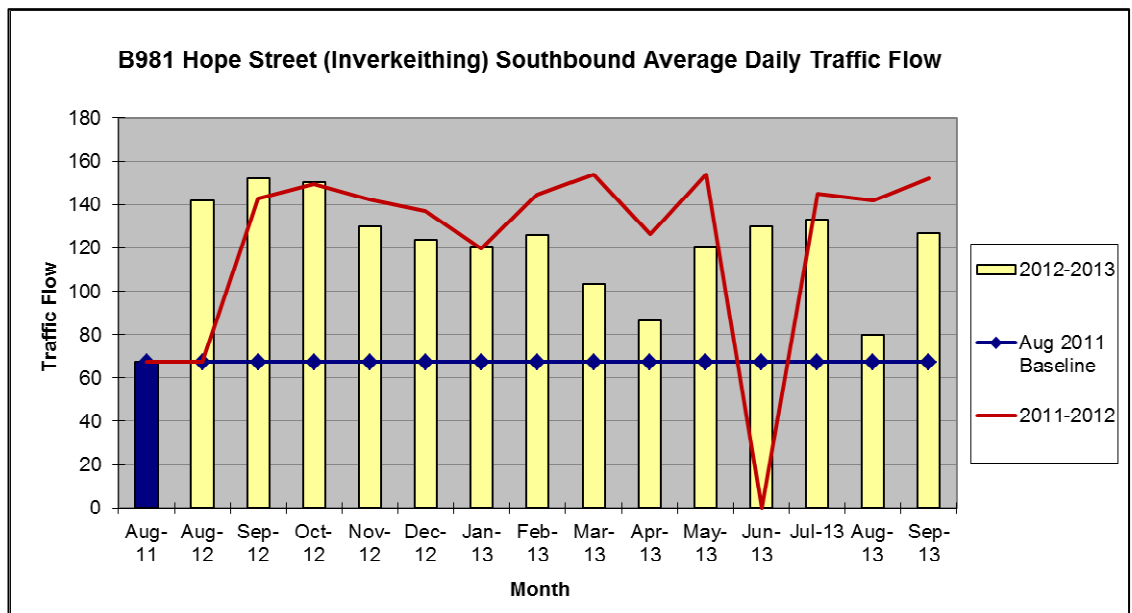


Figure 5-162 Monthly Southbound HGV Flows on the B981 Hope Street (Inverkeithing)

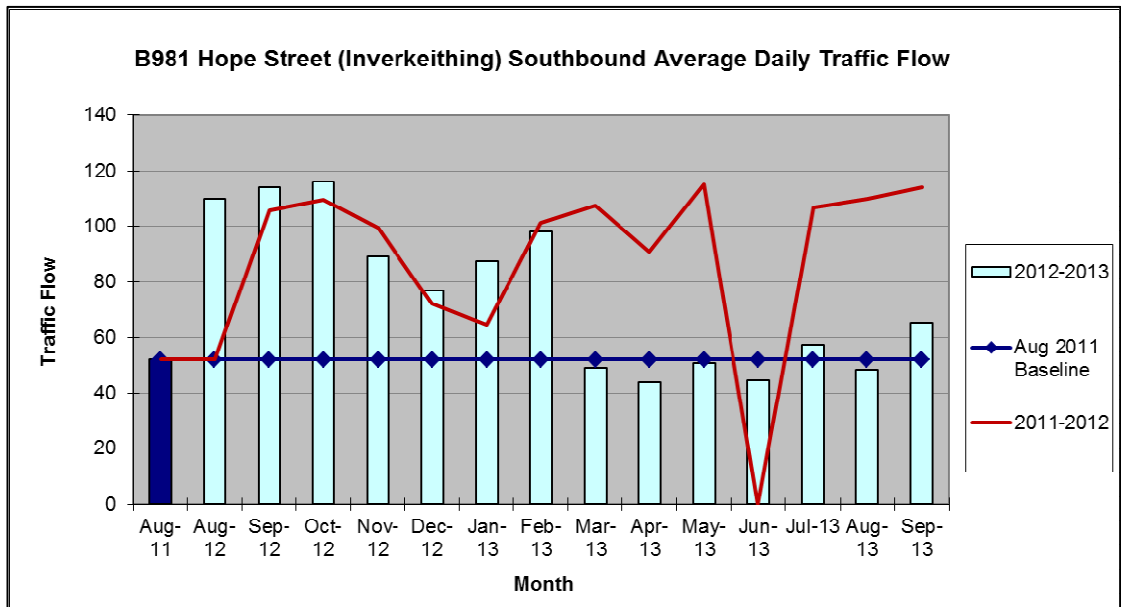


Figure 5-163 Monthly Northbound HGV Flows on the B981 Hope Street (Inverkeithing)

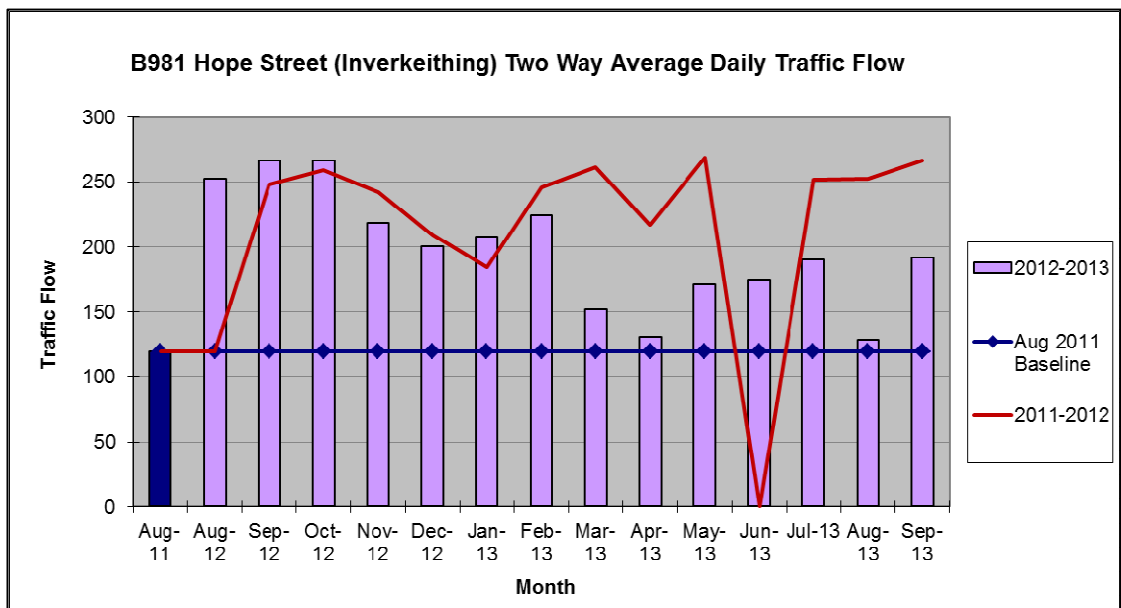


Figure 5-164 Monthly Two Way HGV Flows on the B981 Hope Street (Inverkeithing)

### 5.9.5 Monthly Average AM Peak HGV Flows

Table 5-61 Site: JTC00594 AM Peak HGV Traffic Flows – August 2012 to September 2013

Counter	Location	Date	NB	SB	Two Way
JTC00594	B981 Hope Street (Inverkeithing)	Aug-11	12	10	22
		Aug-12	25	22	47
		Sep-12	25	23	47
		Oct-12	25	23	48
		Nov-12	23	19	42
		Dec-12	21	14	35
		Jan-13	22	18	40
		Feb-13	22	22	43
		Mar-13	11	7	18
		Apr-13	4	2	5
		May-13	22	10	33
		Jun-13	22	9	31
		Jul-13	23	10	33
		Aug-13	26	16	42
		Sep-13	22	14	36
		<b>Annual Average</b>	<b>20</b>	<b>15</b>	<b>35</b>

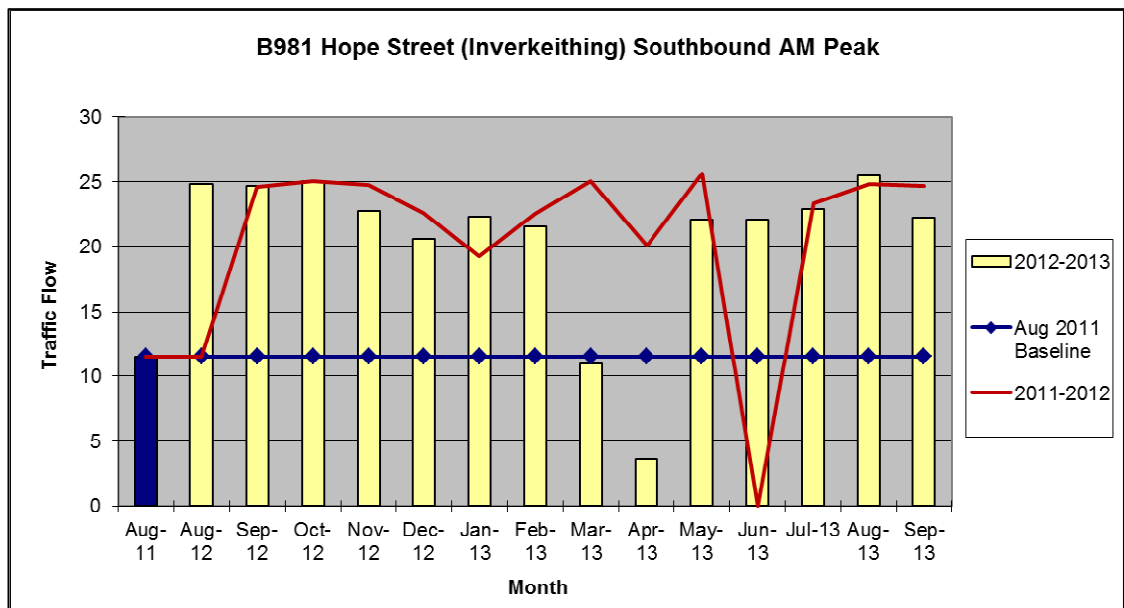


Figure 5-165 Monthly Northbound AM Peak HGV Flows on the B981 Hope Street (Inverkeithing)



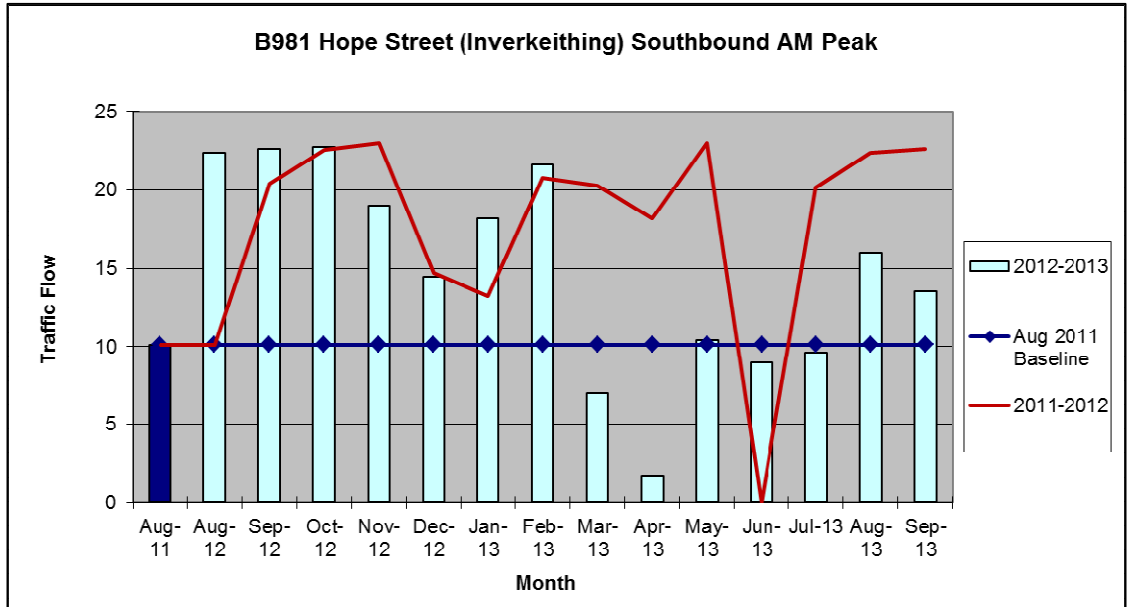


Figure 5-166 Monthly Southbound AM Peak HG V Flows on the B981 Hope Street (Inverkeithing)

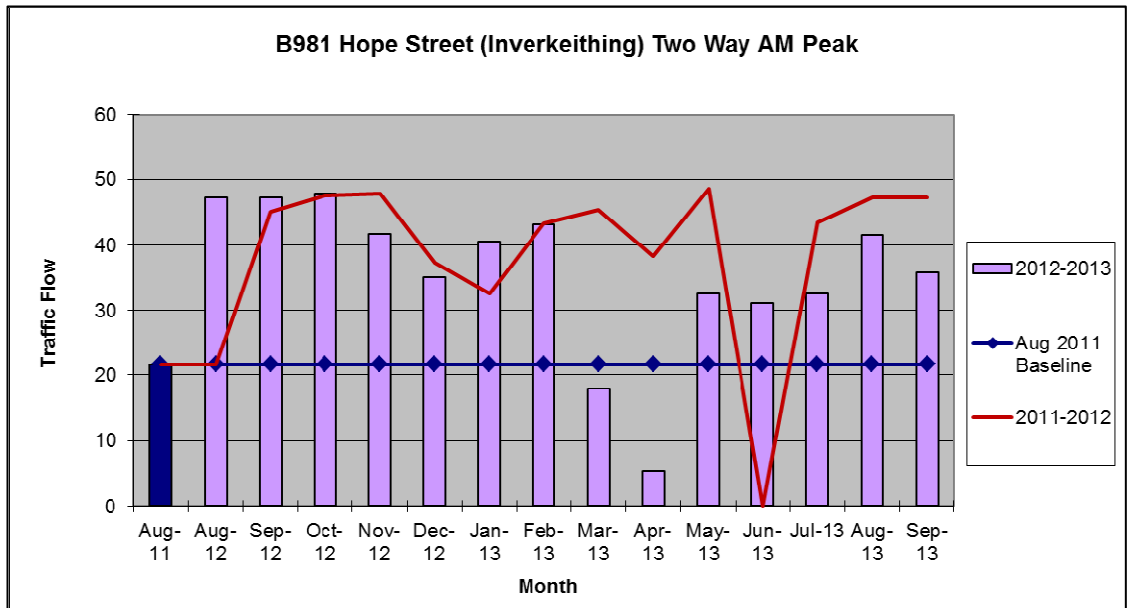


Figure 5-167 Monthly Two Way AM Peak HG V Flows on the B981 Hope Street (Inverkeithing)

### 5.9.6 Monthly Average PM Peak HGV Flows

Table 5-62 Site: JTC00594 PM Peak HGV Traffic Flows – August 2012 to September 2013

Counter	Location	Date	NB	SB	Two Way
JTC00594	B981 Hope Street (Inverkeithing)	Aug-11	15	10	25
		Aug-12	28	20	48
		Sep-12	32	21	53
		Oct-12	31	23	54
		Nov-12	28	18	46
		Dec-12	27	15	42
		Jan-13	25	16	41
		Feb-13	29	19	48
		Mar-13	25	11	35
		Apr-13	25	13	39
		May-13	25	11	36
		Jun-13	27	9	36
		Jul-13	28	12	40
		Aug-13	7	4	11
		Sep-13	28	13	40
		<b>Annual Average</b>	<b>27</b>	<b>16</b>	<b>43</b>

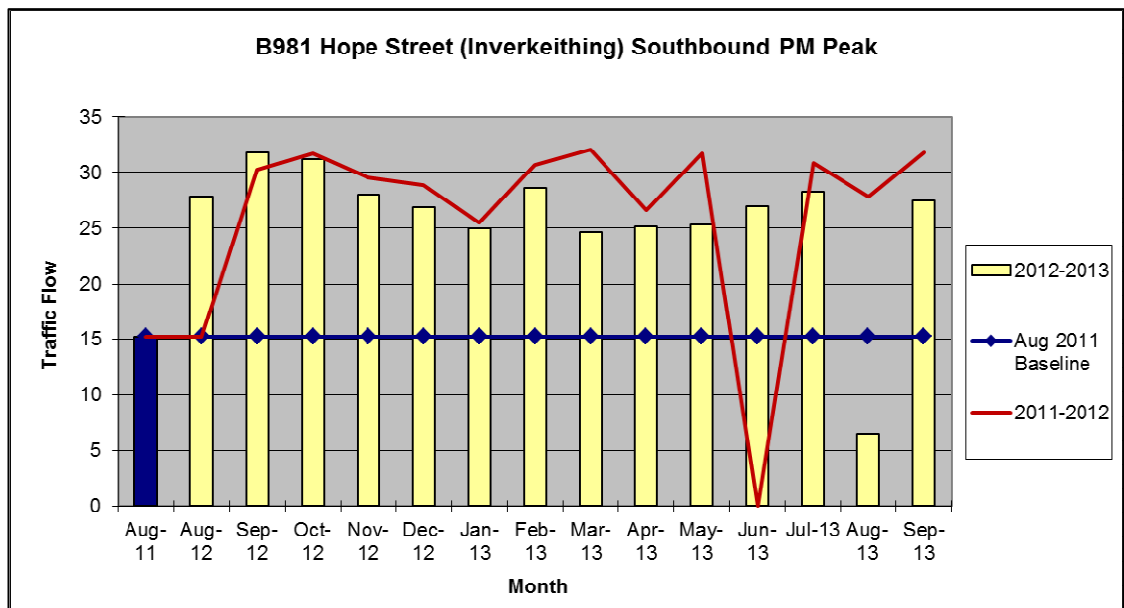


Figure 5-168 Monthly Northbound PM HGV Peak Flows on the B981 Hope Street (Inverkeithing)

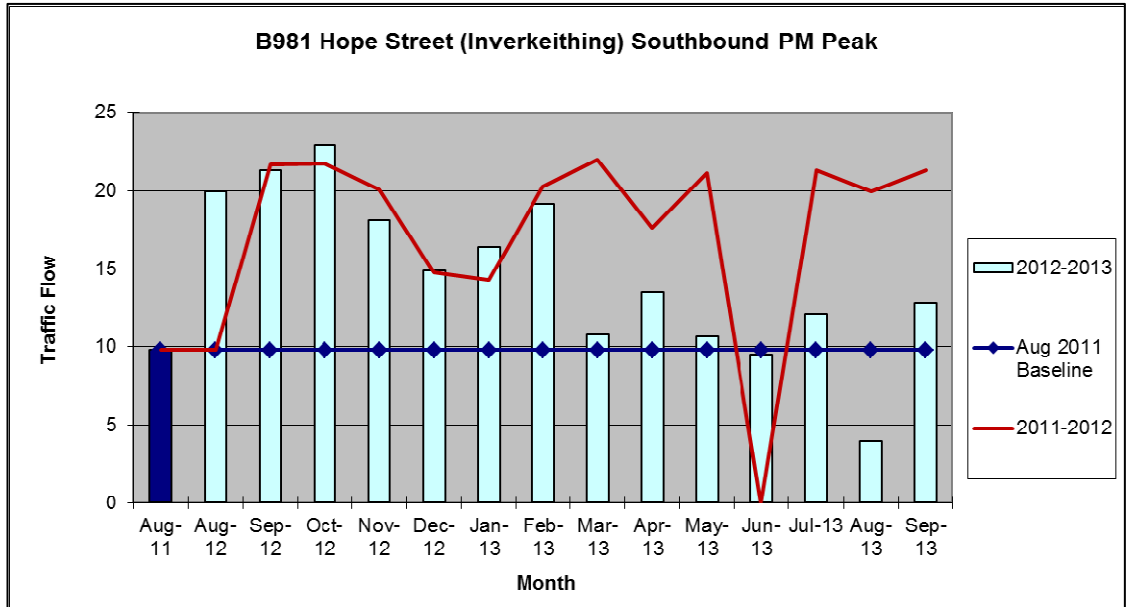


Figure 5-169 Monthly Southbound PM Peak HGV Flows on the B981 Hope Street (Inverkeithing)

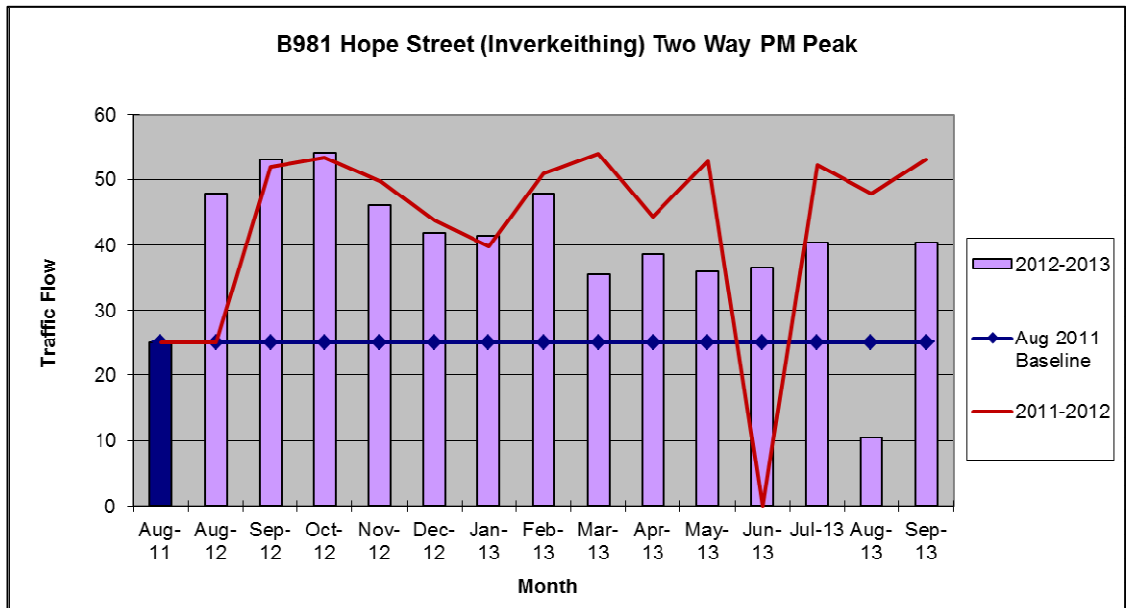


Figure 5-170 Monthly Two Way PM Peak HGV Flows on the B981 Hope Street (Inverkeithing)

5.9.7 Monthly Average All Vehicles Traffic Speeds

Table 5-63 Site: JTC00594 Average Monthly Traffic Speeds (KPH) (All Vehicles) – August 2012 to September 2013

Counter	Location	Date	NB	SB
JTC00594	B981 Hope Street (Inverkeithing)	Aug-12	50	50
		Sep-12	51	50
		Oct-12	51	50
		Nov-12	51	49
		Dec-12	51	50
		Jan-13	51	50
		Feb-13	51	49
		Mar-13	51	49
		Apr-13	50	49
		May-13	50	49
		Jun-13	50	49
		Jul-13	50	49
		Aug-13	49	48
		Sep-13	50	49

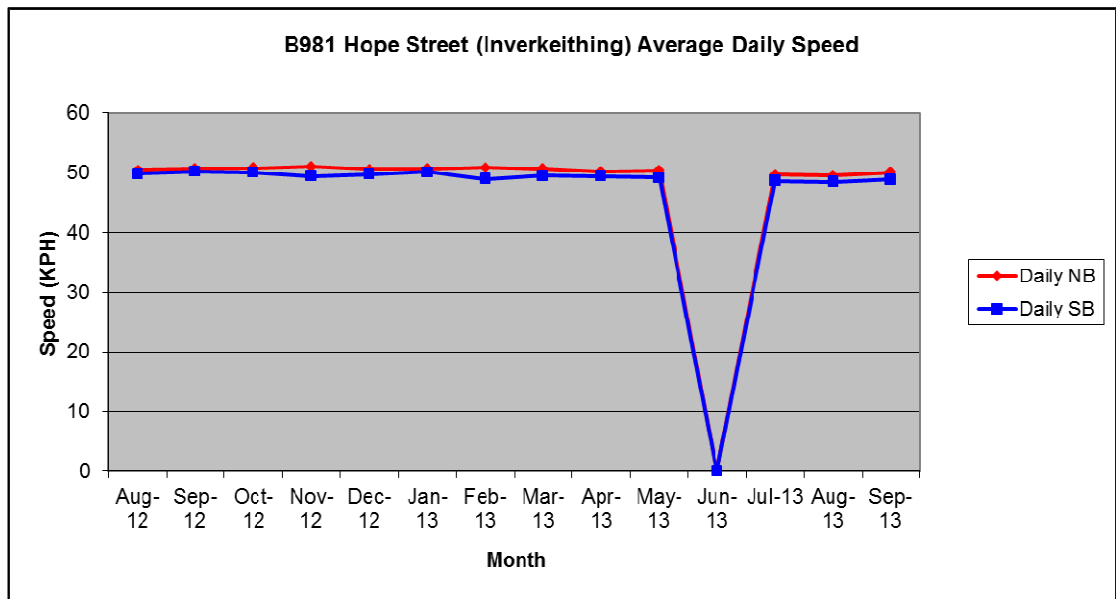


Figure 5-171 Average Monthly Traffic Speeds (KPH) on the B981 Hope Street (Inverkeithing)

## 5.10 Traffic Counter JTC00595 – B981 North Queensferry

### 5.10.1 Monthly Average Traffic Flows

Table 3-64 Site: JTC00595 Annual Traffic Flows – August 2012 to September 2013

Counter	Location	Date	NB	SB	Two Way
JTC00595	B981 North Queensferry	Aug-11	1,381	1,349	2,730
		Aug-12	1,268	1,234	2,502
		Sep-12	1,089	1,060	2,149
		Oct-12	1,039	1,006	2,045
		Nov-12	958	912	1,870
		Dec-12	827	793	1,620
		Jan-13	847	812	1,659
		Feb-13	1,014	980	1,994
		Mar-13	1,010	971	1,981
		Apr-13	1,160	1,121	2,281
		May-13	1,138	1,094	2,232
		Jun-13	1,157	1,112	2,269
		Jul-13	1,207	1,173	2,380
		Aug-13	1,326	1,288	2,613
		Sep-13	1,102	1,065	2,167
<b>Annual Average</b>			<b>1,060</b>	<b>1,022</b>	<b>2,082</b>

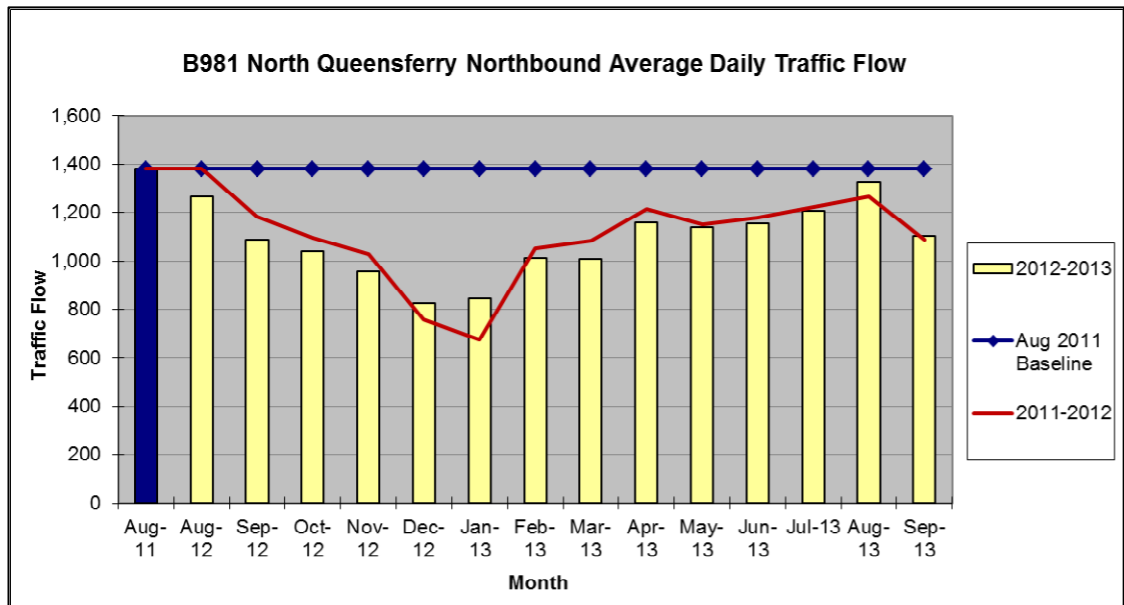


Figure 5-172 Monthly Northbound AADTs on the B981 North Queensferry

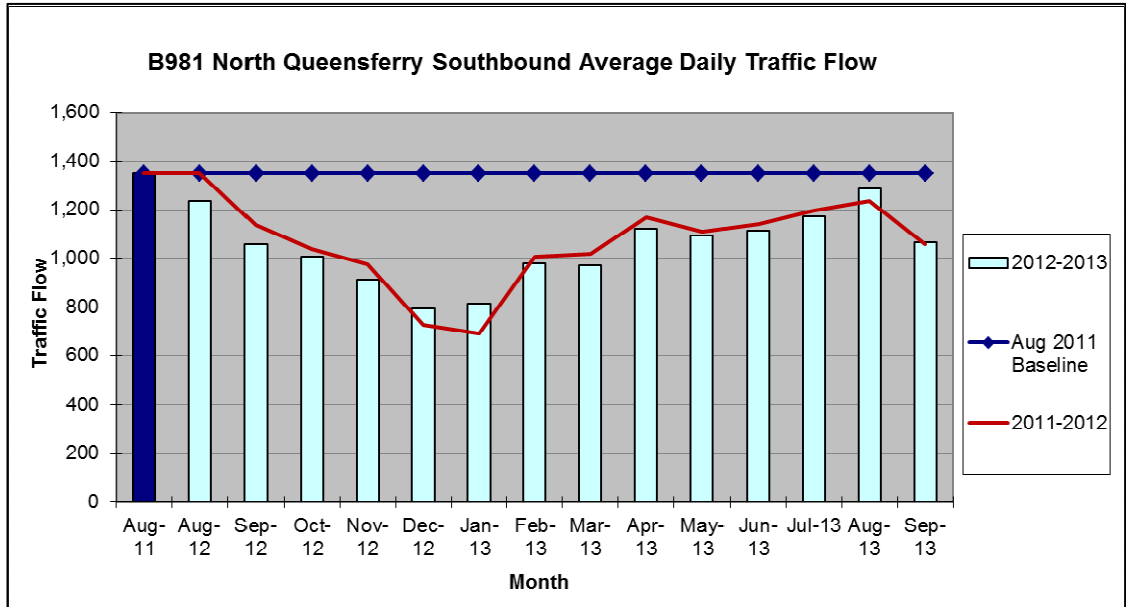


Figure 5-173 Monthly Southbound AADTs on the B981 North Queensferry

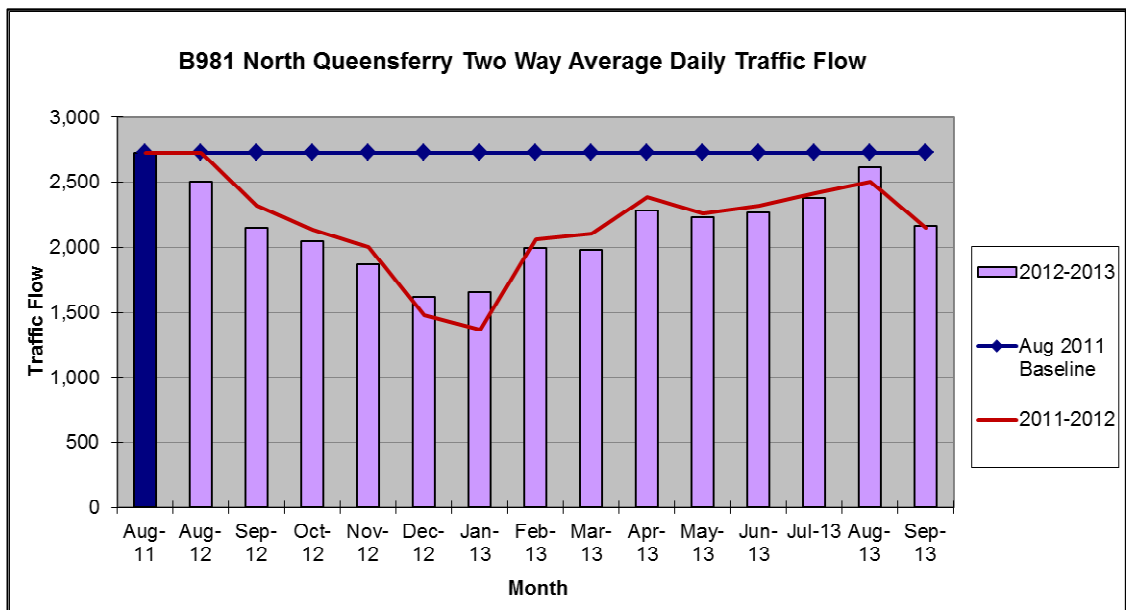


Figure 5-174 Monthly Two Way Daily Traffic Flows on the B981 North Queensferry

5.10.2 Monthly Average AM Peak Traffic Flows

Table 5-65 Site: JTC00595 AM Peak Traffic Flows – August 2012 to September 2013

Counter	Location	Date	NB	SB	Two Way
JTC00595	B981 North Queensferry	Aug-11	191	143	334
		Aug-12	179	124	303
		Sep-12	173	113	286
		Oct-12	158	102	260
		Nov-12	153	72	225
		Dec-12	125	74	199
		Jan-13	148	91	239
		Feb-13	164	108	272
		Mar-13	160	108	268
		Apr-13	161	118	279
		May-13	175	118	293
		Jun-13	176	124	300
		Jul-13	151	120	272
		Aug-13	174	132	306
		Sep-13	173	127	300
<b>Annual Average</b>			<b>160</b>	<b>106</b>	<b>266</b>

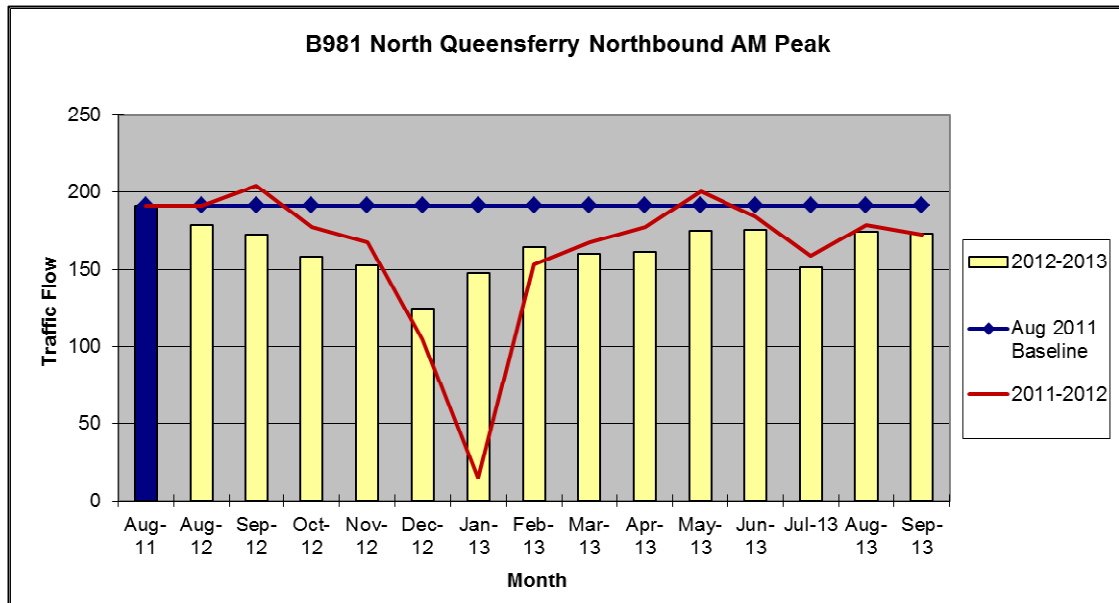


Figure 5-175 Monthly Northbound AM Peak Flows on the B981 North Queensferry

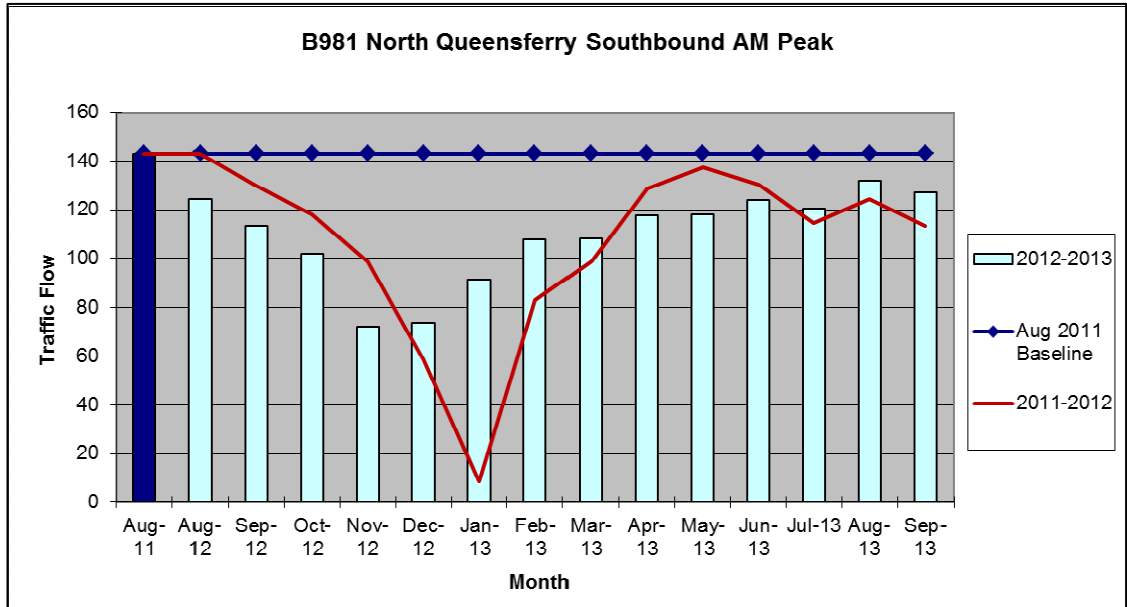


Figure 5-176 Monthly Southbound AM Peak Flows on the B981 North Queensferry

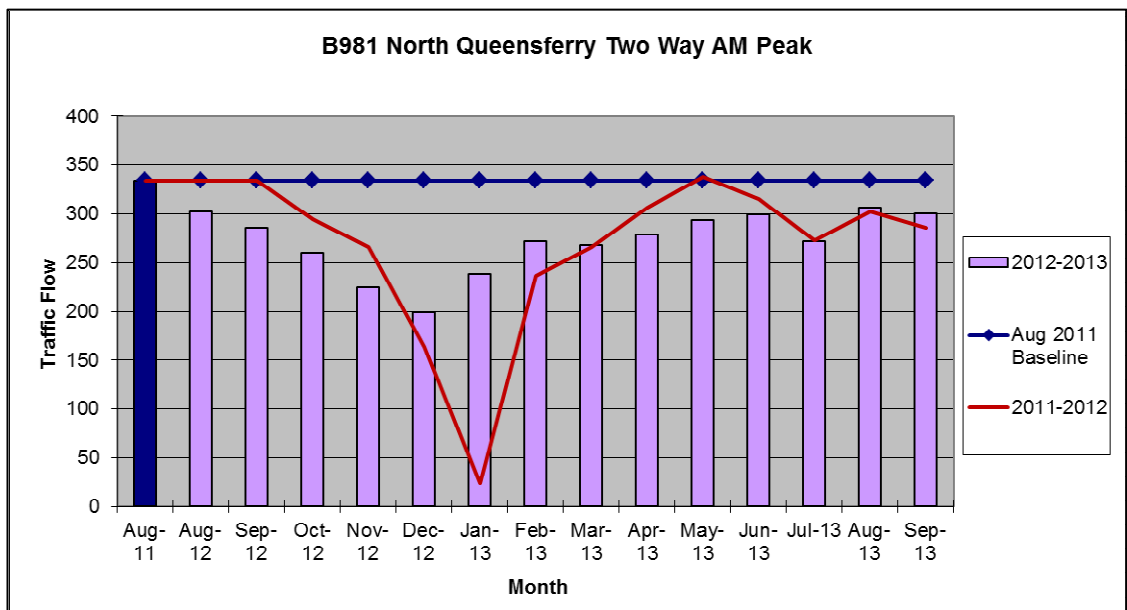


Figure 5-177 Monthly Two Way AM Peak Flows on the B981 North Queensferry



### 5.10.3 Monthly Average PM Peak Traffic Flows

Table 5-66 Site: JTC00595 PM Peak Traffic Flows – August 2012 to September 2013

Counter	Location	Date	NB	SB	Two Way
JTC00595	B981 North Queensferry	Aug-11	290	252	543
		Aug-12	256	243	499
		Sep-12	217	222	439
		Oct-12	208	205	413
		Nov-12	209	204	413
		Dec-12	150	169	319
		Jan-13	154	172	326
		Feb-13	196	191	387
		Mar-13	196	194	390
		Apr-13	235	213	448
		May-13	228	226	453
		Jun-13	235	231	466
		Jul-13	244	213	457
		Aug-13	272	239	511
		Sep-13	226	221	447
<b>Annual Average</b>			<b>211</b>	<b>207</b>	<b>417</b>

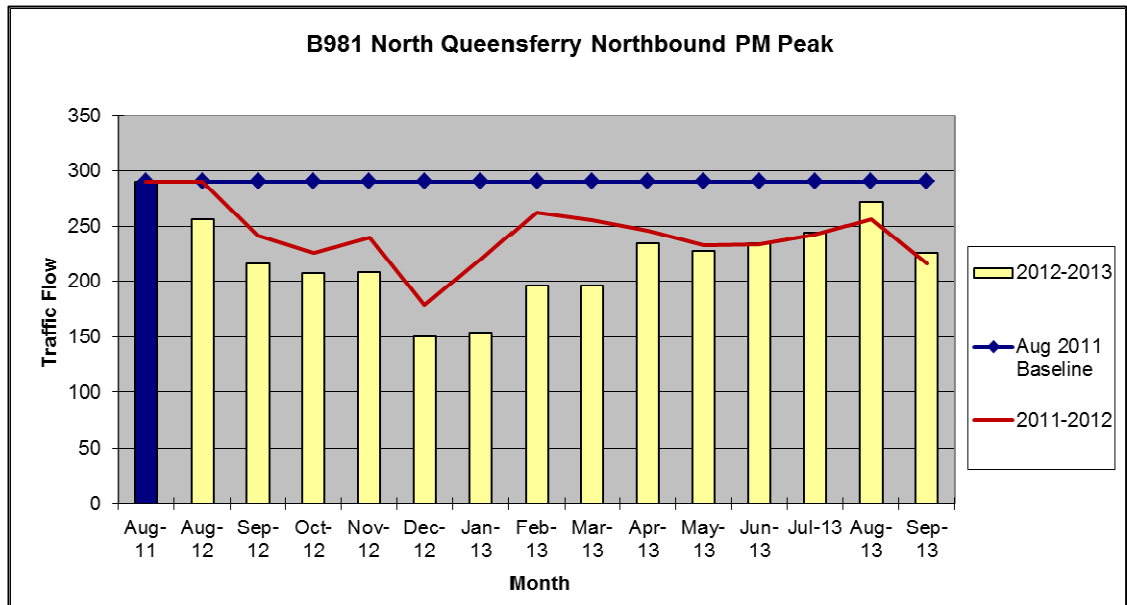


Figure 5-178 Monthly Northbound PM Peak Flows on the B981 North Queensferry

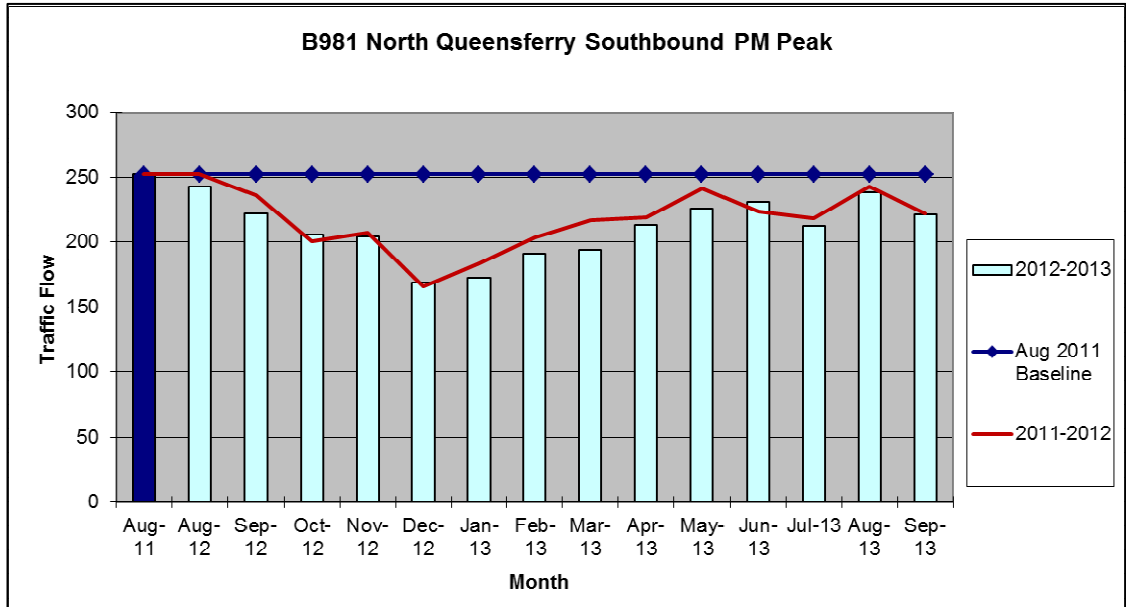


Figure 5-179 Monthly Southbound PM Peak Flows on the B981 North Queensferry

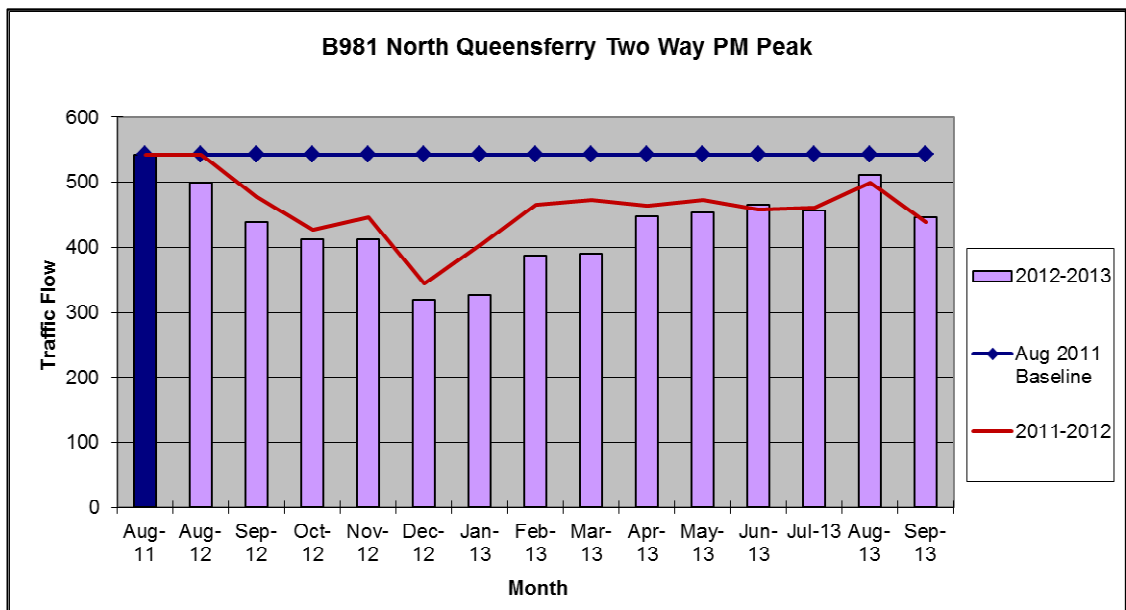


Figure 5-180 Monthly Two Way PM Peak Flows on the B981 North Queensferry

### 5.10.4 Monthly Average HGV Flows

Table 5-67 Site: JTC00595 Annual HGV Traffic Flows – August 2012 to September 2013

Counter	Location	Date	NB	SB	Two Way
JTC00595	B981 North Queensferry	Aug-11	11	19	30
		Aug-12	7	17	25
		Sep-12	9	18	27
		Oct-12	9	17	27
		Nov-12	12	18	30
		Dec-12	11	17	28
		Jan-13	12	16	28
		Feb-13	12	17	29
		Mar-13	13	17	30
		Apr-13	12	16	28
		May-13	12	18	31
		Jun-13	13	19	32
		Jul-13	14	19	33
		Aug-13	14	20	34
		Sep-13	13	18	31
<b>Annual Average</b>			<b>11</b>	<b>17</b>	<b>29</b>

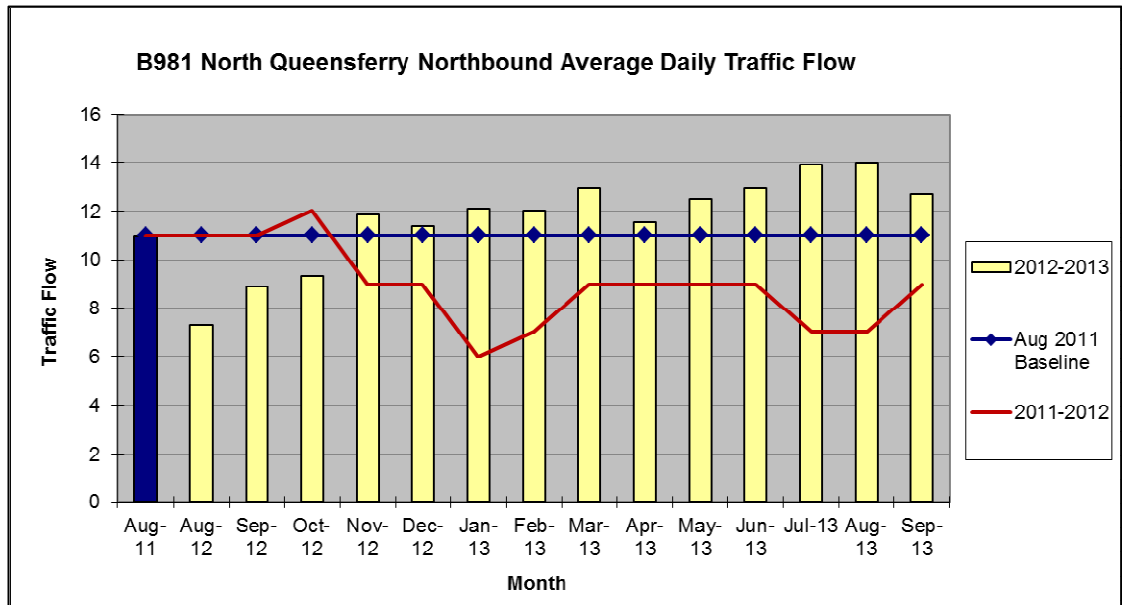


Figure 5-181 Monthly Northbound HGV Flows on the B981 North Queensferry

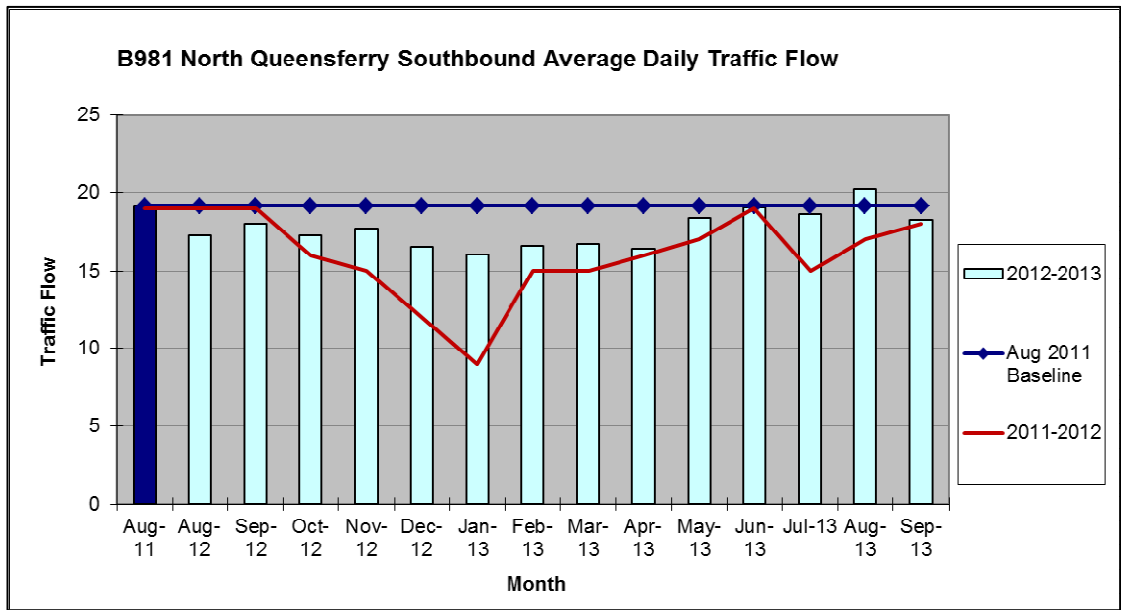


Figure 5-182 Monthly Southbound HGV Flows on the B981 North Queensferry

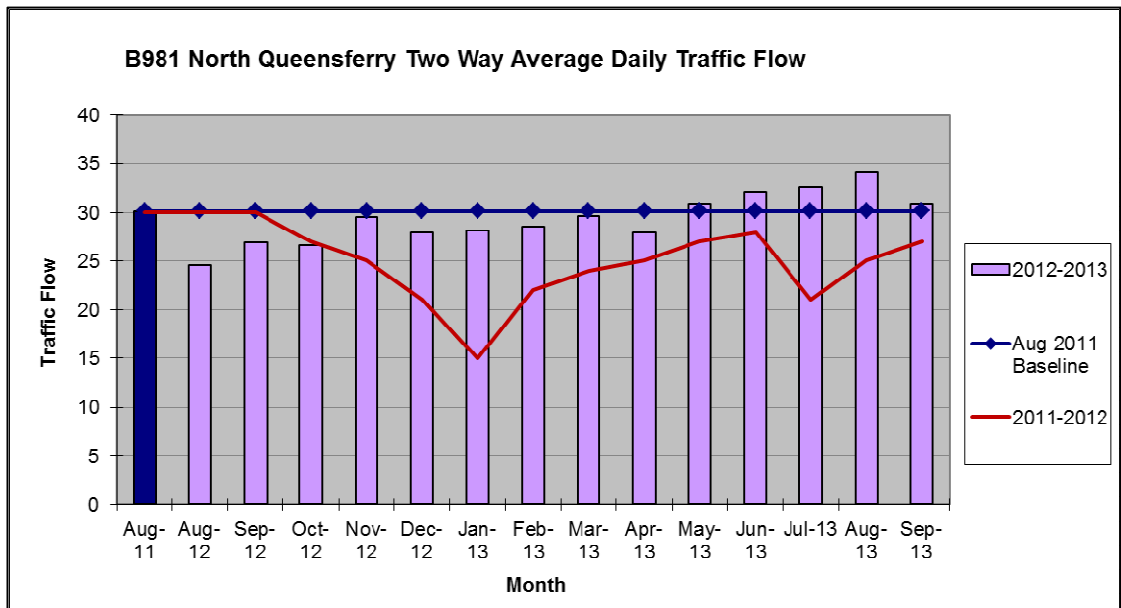


Figure 5-183 Monthly Two Way HGV Flows on the B981 North Queensferry

5.10.5 Monthly Average AM Peak HGV Flows

Table 5-68 Site: JTC00595 AM Peak HGV Traffic Flows – August 2012 to September 2013

Counter	Location	Date	NB	SB	Two Way
JTC00595	B981 North Queensferry	Aug-11	2	3	6
		Aug-12	1	3	3
		Sep-12	1	3	3
		Oct-12	1	2	3
		Nov-12	1	2	4
		Dec-12	1	2	3
		Jan-13	1	2	4
		Feb-13	1	2	3
		Mar-13	1	2	3
		Apr-13	1	2	3
		May-13	1	3	4
		Jun-13	1	2	4
		Jul-13	1	2	4
		Aug-13	2	3	4
		Sep-13	1	2	4
		<b>Annual Average</b>	<b>1</b>	<b>2</b>	<b>3</b>

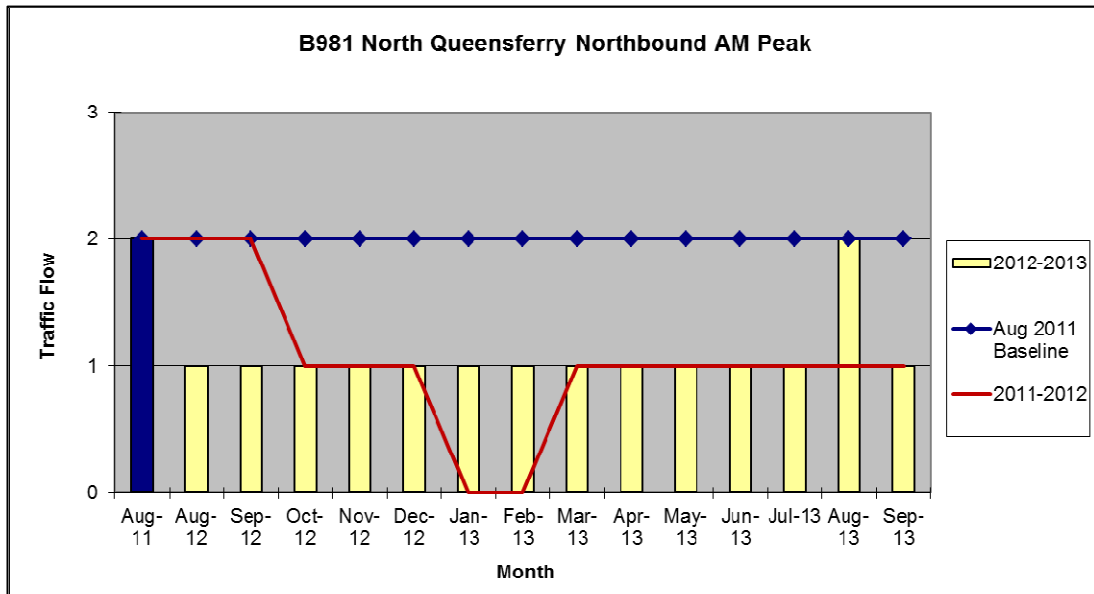


Figure 5-184 Monthly Northbound AM Peak HGV Flows on the B981 North Queensferry

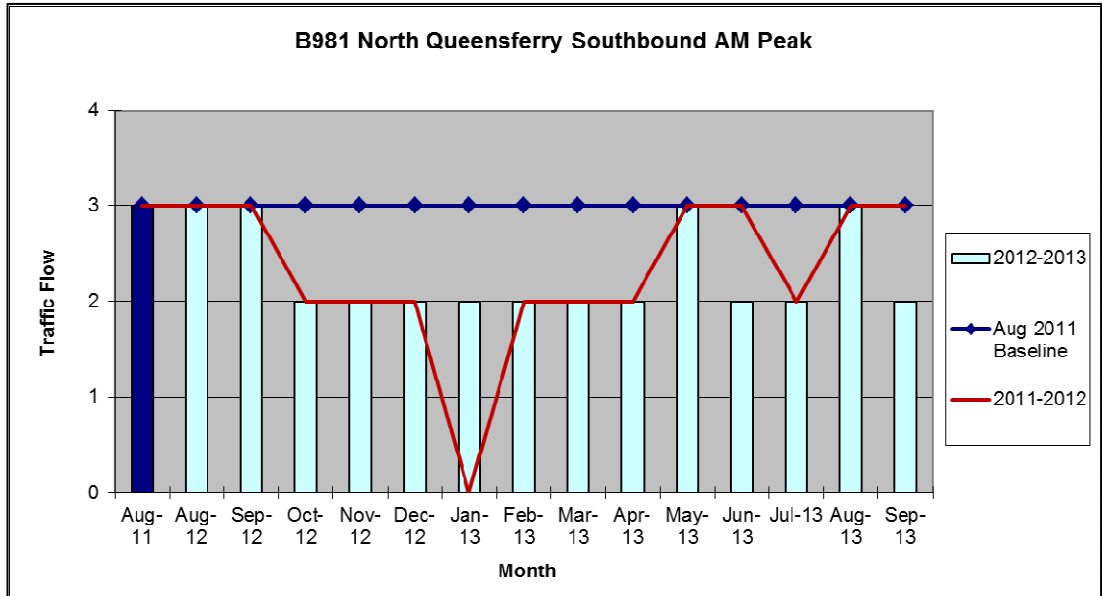


Figure 5-185 Monthly Southbound AM Peak HGV Flows on the B981 North Queensferry

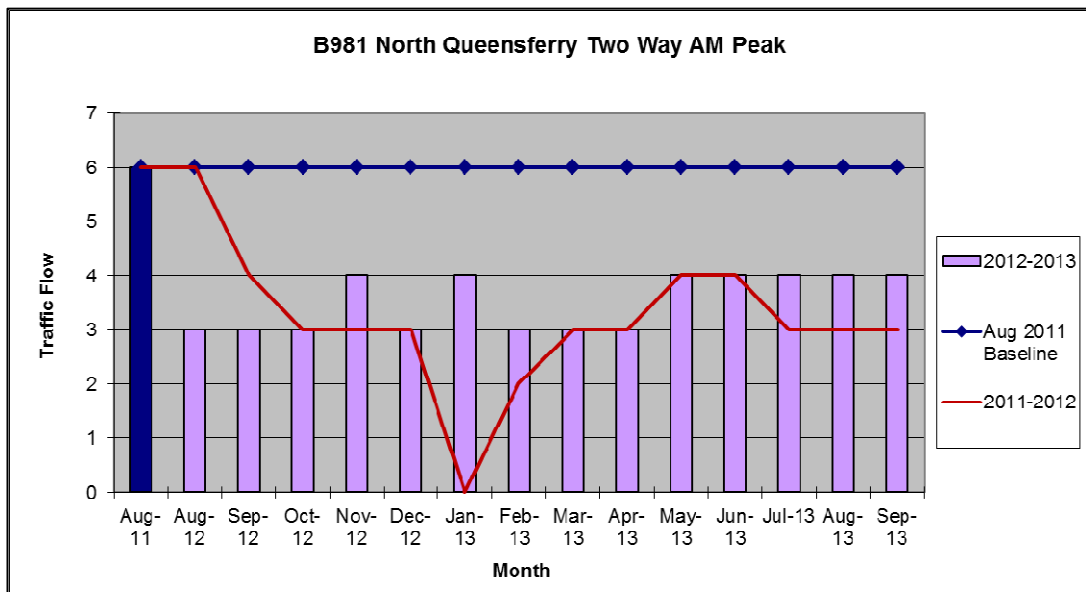


Figure 5-186 Monthly Two Way AM Peak HGV Flows on the B981 North Queensferry

5.10.6 Monthly Average PM Peak HGV Flows

Table 5-69 Site: JTC00595 PM Peak HGV Traffic Flows – August 2012 to September 2013

Counter	Location	Date	NB	SB	Two Way
JTC00595	B981 North Queensferry	Aug-11	2	5	7
		Aug-12	1	4	6
		Sep-12	2	4	5
		Oct-12	2	3	5
		Nov-12	2	3	5
		Dec-12	2	3	5
		Jan-13	2	3	5
		Feb-13	2	3	5
		Mar-13	2	3	6
		Apr-13	2	3	5
		May-13	2	5	7
		Jun-13	3	4	7
		Jul-13	3	4	7
		Aug-13	3	4	8
		Sep-13	3	4	7
		<b>Annual Average</b>	<b>2</b>	<b>4</b>	<b>6</b>

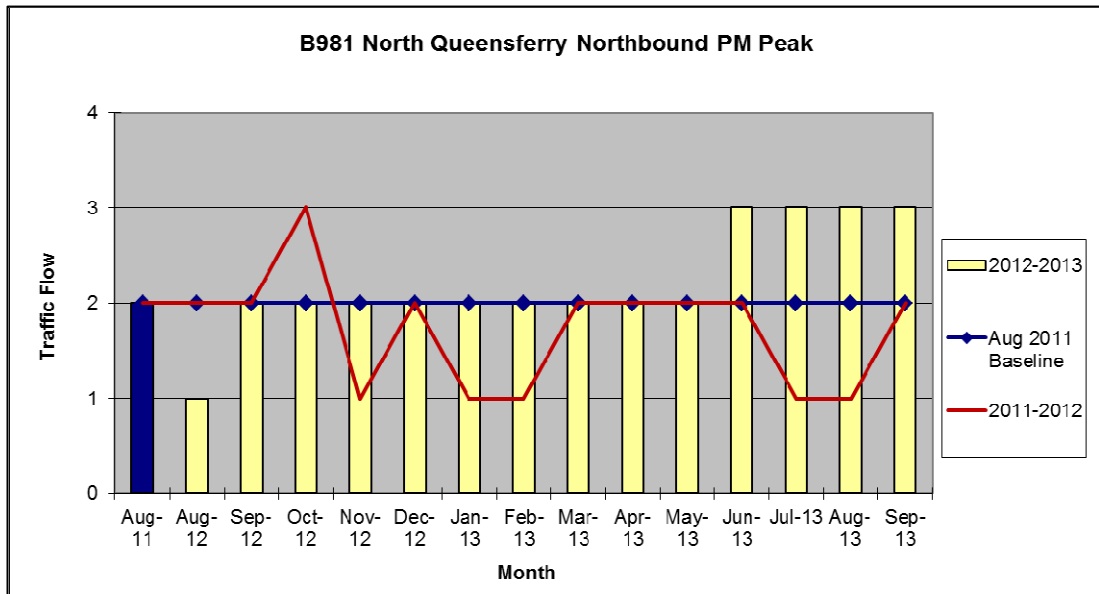


Figure 5-187 Monthly Northbound PM HGV Peak Flows on the B981 North Queensferry

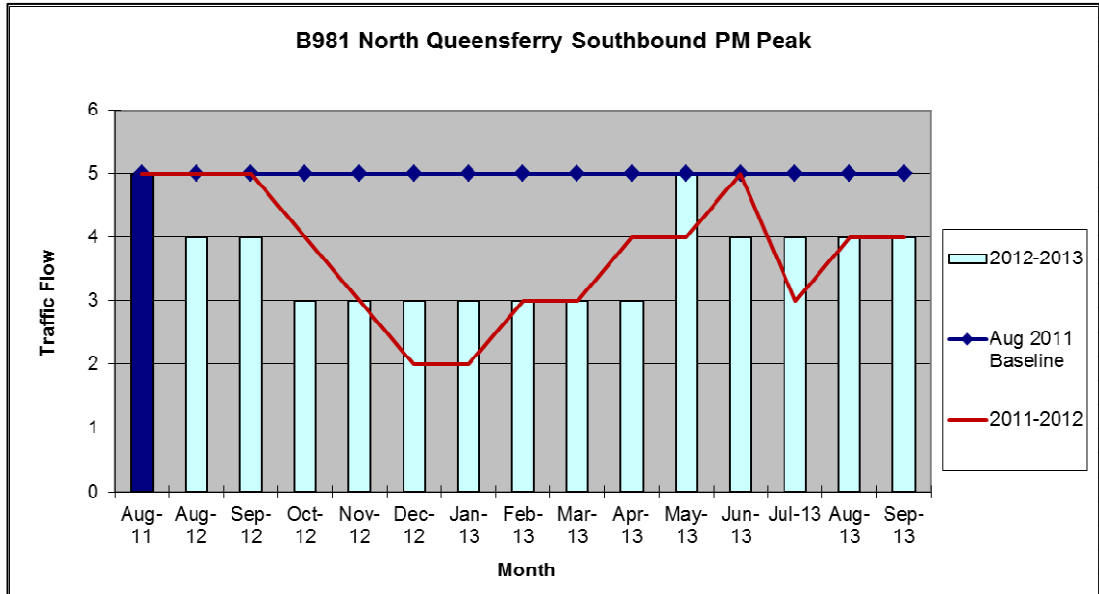


Figure 5-188 Monthly Southbound PM Peak HGV Flows on the B981 North Queensferry

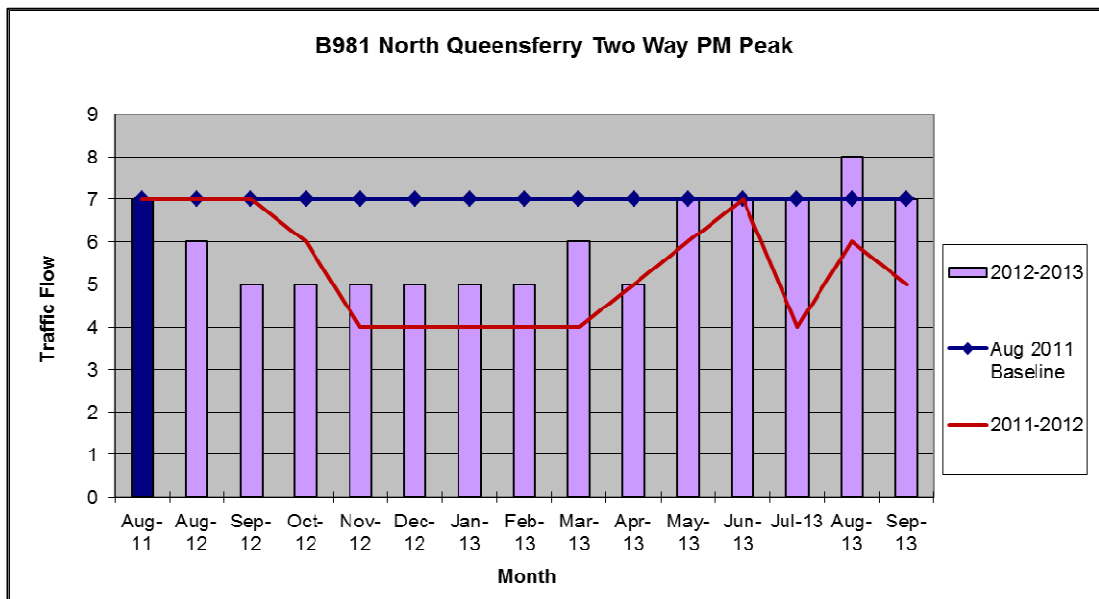


Figure 5-189 Monthly Two Way PM Peak HGV Flows on the B981 North Queensferry



5.10.7 Monthly Average All Vehicles Traffic Speeds

Table 5-70 Site: JTC00595 Average Monthly Traffic Speeds (KPH) (All Vehicles) – August 2012 to September 2013

Counter	Location	Date	NB	SB
JTC00595	B981 North Queensferry	Aug-12	43	43
		Sep-12	44	43
		Oct-12	44	43
		Nov-12	44	43
		Dec-12	44	43
		Jan-13	45	43
		Feb-13	45	43
		Mar-13	44	43
		Apr-13	44	43
		May-13	44	44
		Jun-13	44	44
		Jul-13	43	43
		Aug-13	43	43
		Sep-13	43	43

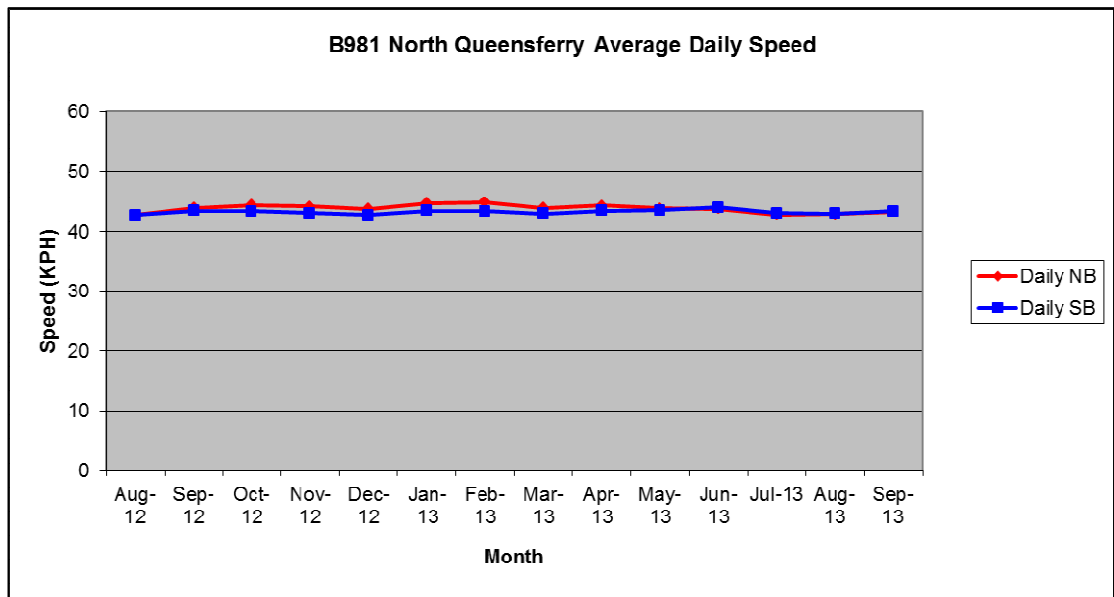


Figure 5-190 Average Monthly Traffic Speeds (KPH) on the B981 North Queensferry

## 5.11 Traffic Counter JTC00599 – B8046 Old Philpstoun

### 5.11.1 Monthly Average Traffic Flows

Table 3-71 Site: JTC00599 Annual Traffic Flows – August 2012 to September 2013

Counter	Location	Date	NB	SB	Two Way		
JTC00599	B8046 Old Philpstoun	Aug-11	4,290	4,659	8,949		
		Aug-12	2,404	941	3,345		
		Sep-12	3,865	4,269	8,135		
		Oct-12	4,097	4,706	8,803		
		Nov-12	4,282	4,877	9,159		
		Dec-12	3,392	3,880	7,272		
		Jan-13	3,376	3,704	7,081		
		Feb-13	3,097	3,633	6,730		
		Mar-13	2,989	3,496	6,485		
		Apr-13	3,096	3,501	6,597		
		May-13	No Data	No Data	No Data		
		Jun-13	3,229	3,646	6,876		
		Jul-13	3,193	3,598	6,791		
		Aug-13	3,165	3,618	6,784		
		Sep-13	3,013	3,368	6,382		
		<b>Annual Average</b>			<b>3,365</b>	<b>3,659</b>	<b>7,025</b>

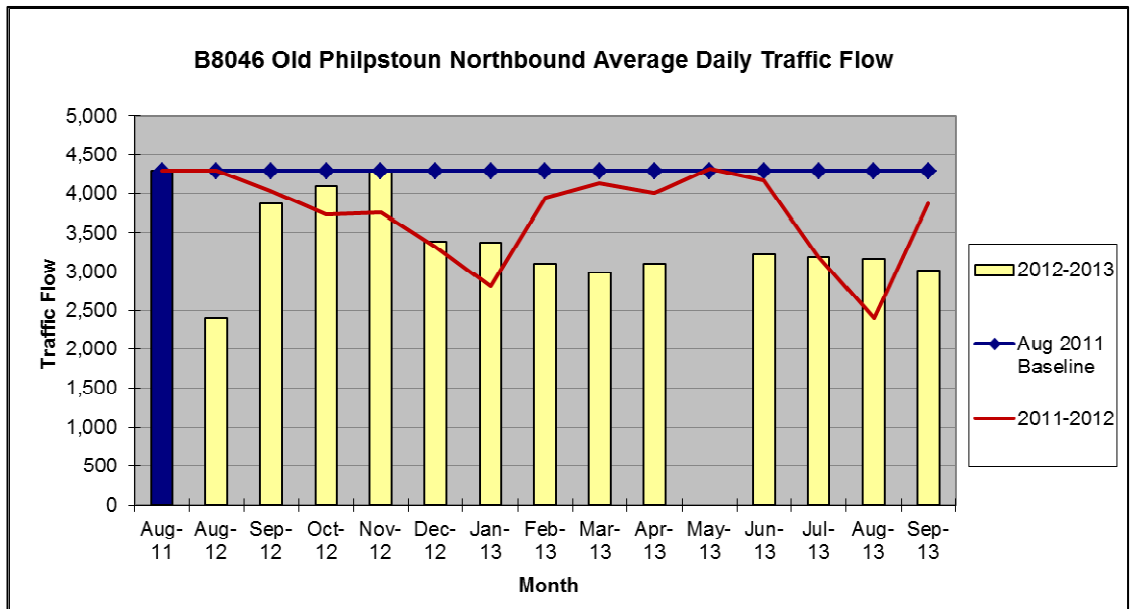


Figure 5-191 Monthly Northbound AADTs on the B8046 Old Philpstoun

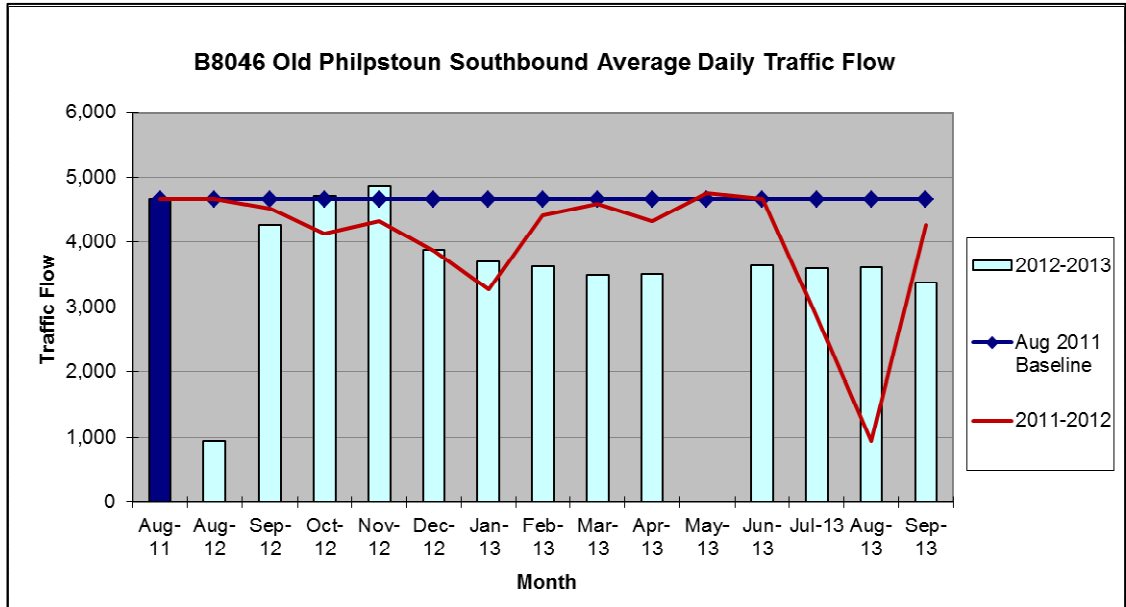


Figure 5-192 Monthly Southbound AADTs on the B8046 Old Philpstoun

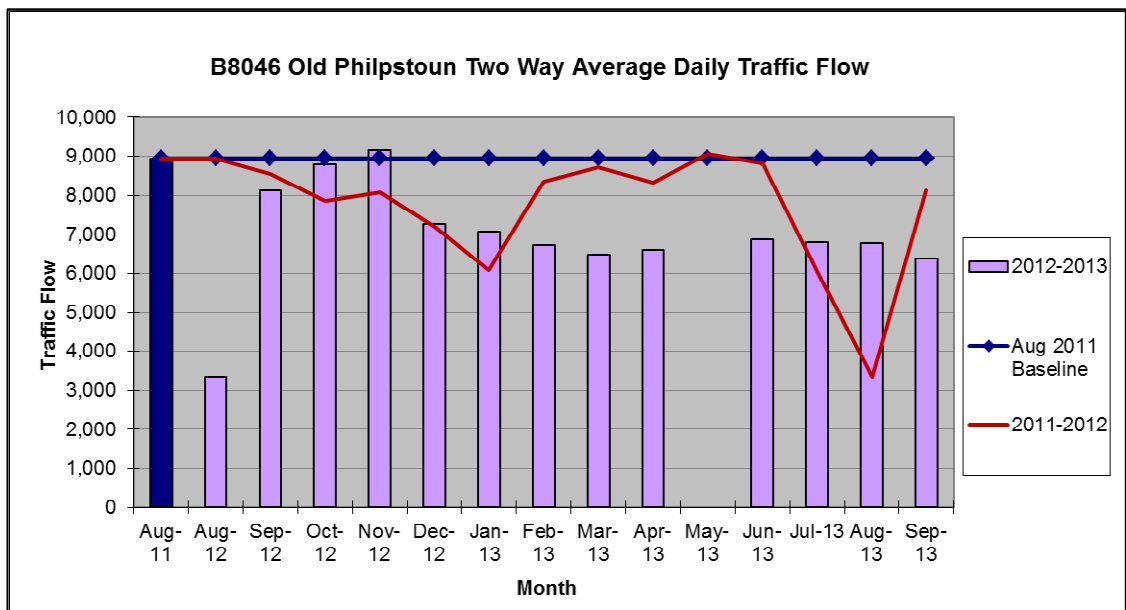


Figure 5-193 Monthly Two Way Daily Traffic Flows on the B8046 Old Philpstoun

5.11.2 Monthly Average AM Peak Traffic Flows

Table 5-72 Site: JTC00599 AM Peak Traffic Flows – August 2012 to September 2013

Counter	Location	Date	NB	SB	Two Way
JTC00599	B8046 Old Philpstoun	Aug-11	979	808	1,787
		Aug-12	519	153	672
		Sep-12	783	770	1,553
		Oct-12	893	893	1,786
		Nov-12	907	851	1,758
		Dec-12	644	677	1,322
		Jan-13	760	733	1,493
		Feb-13	755	724	1,479
		Mar-13	708	686	1,394
		Apr-13	765	693	1,458
		May-13	No Data	No Data	No Data
		Jun-13	724	634	1,358
		Jul-13	705	643	1,348
		Aug-13	688	646	1,334
		Sep-13	699	649	1,348
		<b>Annual Average</b>	<b>742</b>	<b>678</b>	<b>1,420</b>

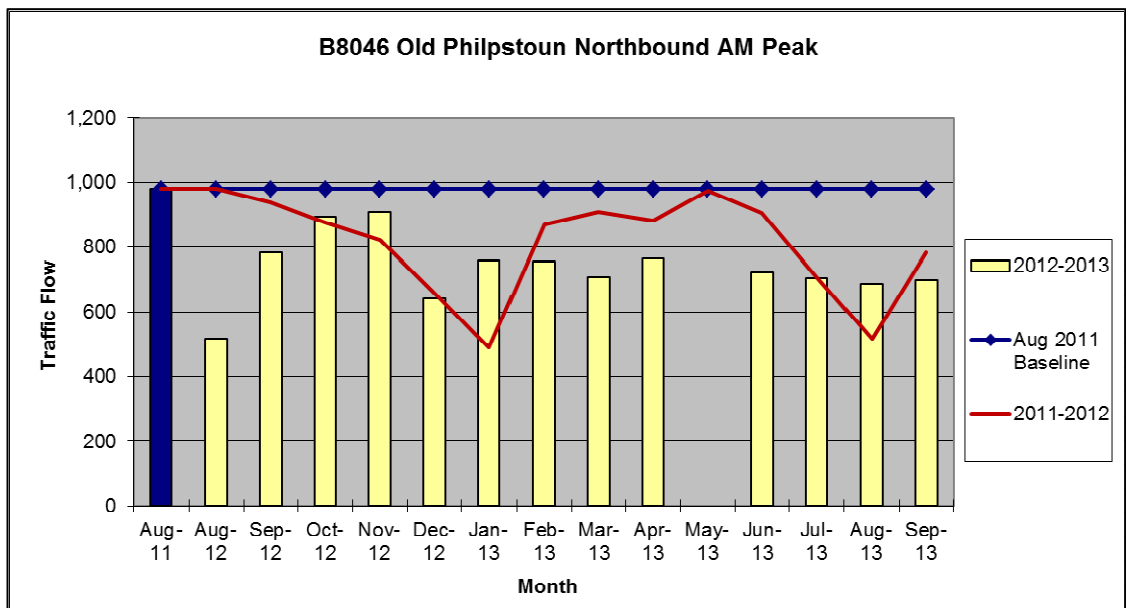


Figure 5-194 Monthly Northbound AM Peak Flows on the B8046 Old Philpstoun

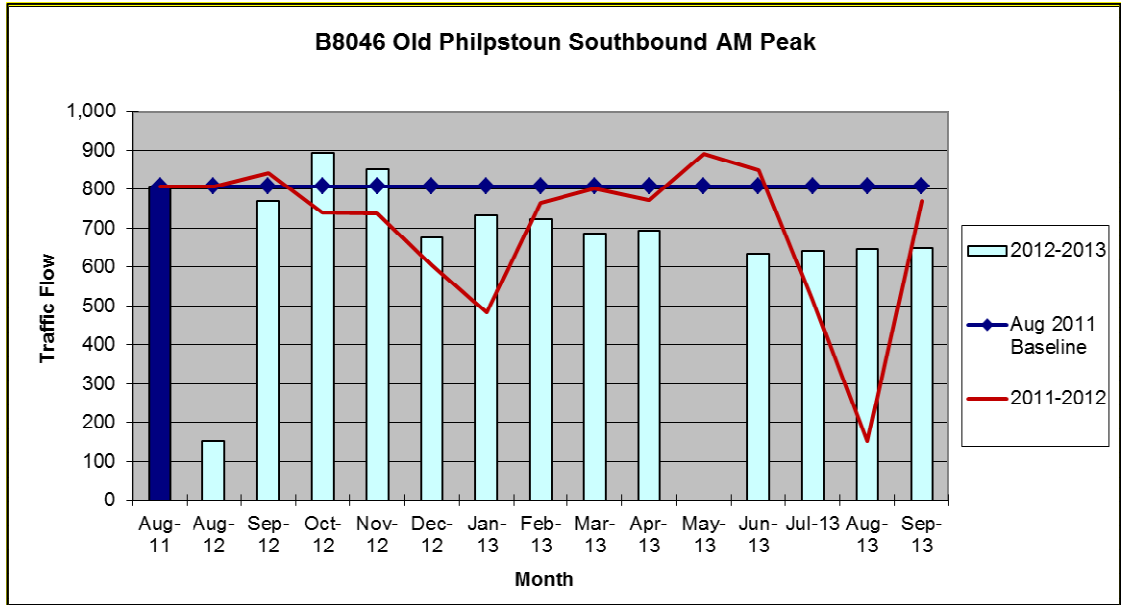


Figure 5-195 Monthly Southbound AM Peak Flows on the B8046 Old Philpstown

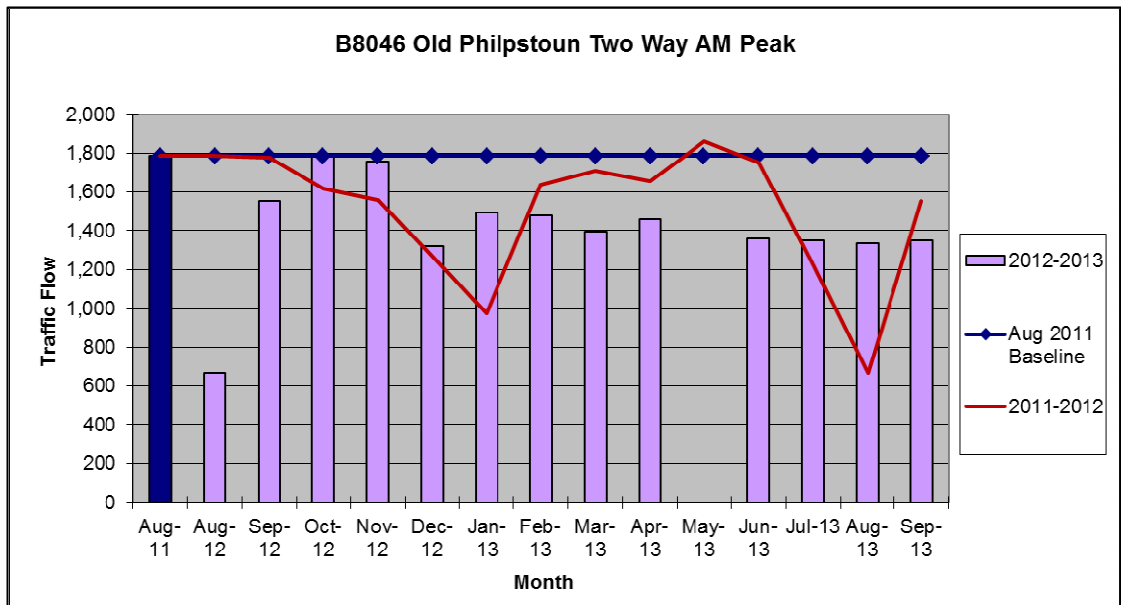


Figure 5-196 Monthly Two Way AM Peak Flows on the B8046 Old Philpstown

5.11.3 Monthly Average PM Peak Traffic Flows

Table 5-73 Site: JTC00599 PM Peak Traffic Flows – August 2012 to September 2013

Counter	Location	Date	NB	SB	Two Way
JTC00599	B8046 Old Philpstoun	Aug-11	967	1,318	2,285
		Aug-12	501	166	667
		Sep-12	890	1,199	2,089
		Oct-12	934	1,305	2,239
		Nov-12	912	1,406	2,318
		Dec-12	684	1,010	1,693
		Jan-13	744	1,012	1,756
		Feb-13	713	990	1,703
		Mar-13	694	936	1,630
		Apr-13	712	955	1,667
		May-13	No Data	No Data	No Data
		Jun-13	783	1,015	1,797
		Jul-13	764	998	1,762
		Aug-13	802	986	1,788
		Sep-13	775	928	1,702
<b>Annual Average</b>			<b>757</b>	<b>999</b>	<b>1,756</b>

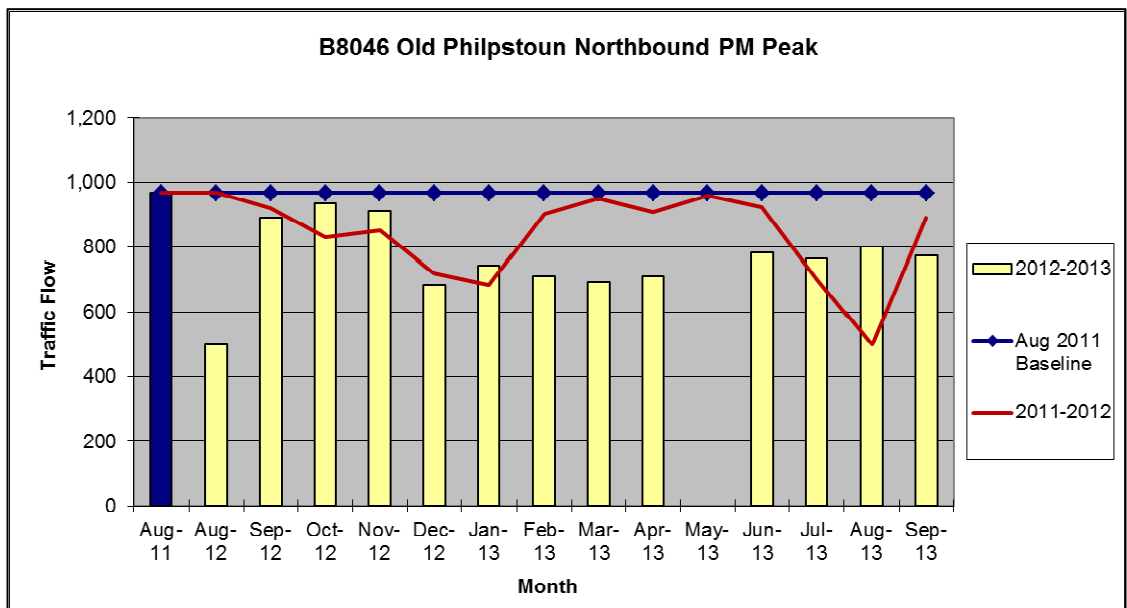


Figure 5-197 Monthly Northbound PM Peak Flows on the B8046 Old Philpstoun

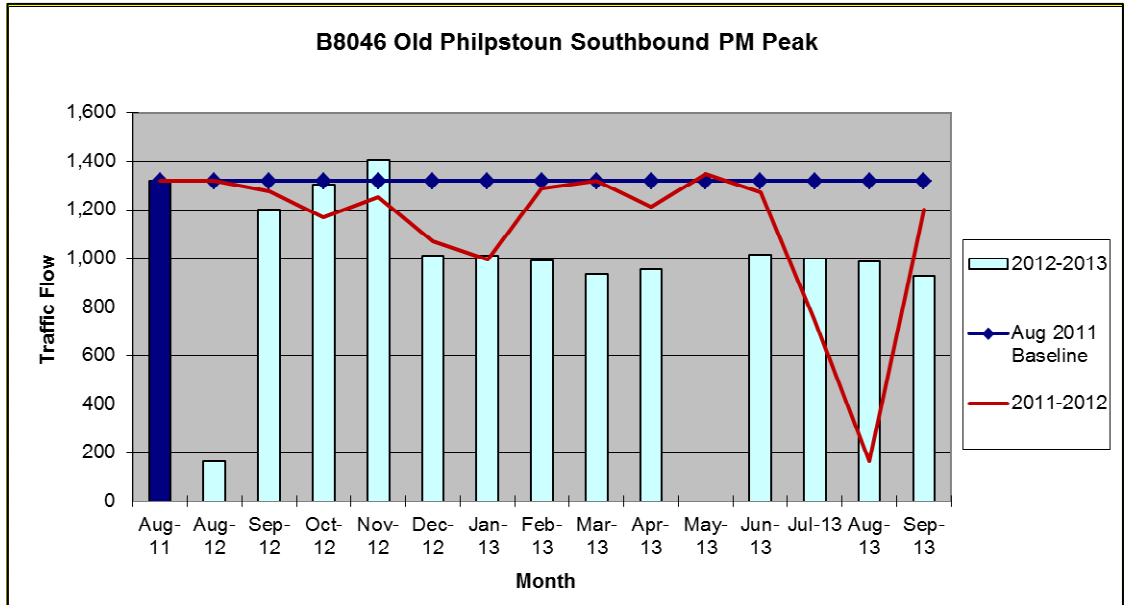


Figure 5-198 Monthly Southbound PM Peak Flows on the B8046 Old Philpstoun

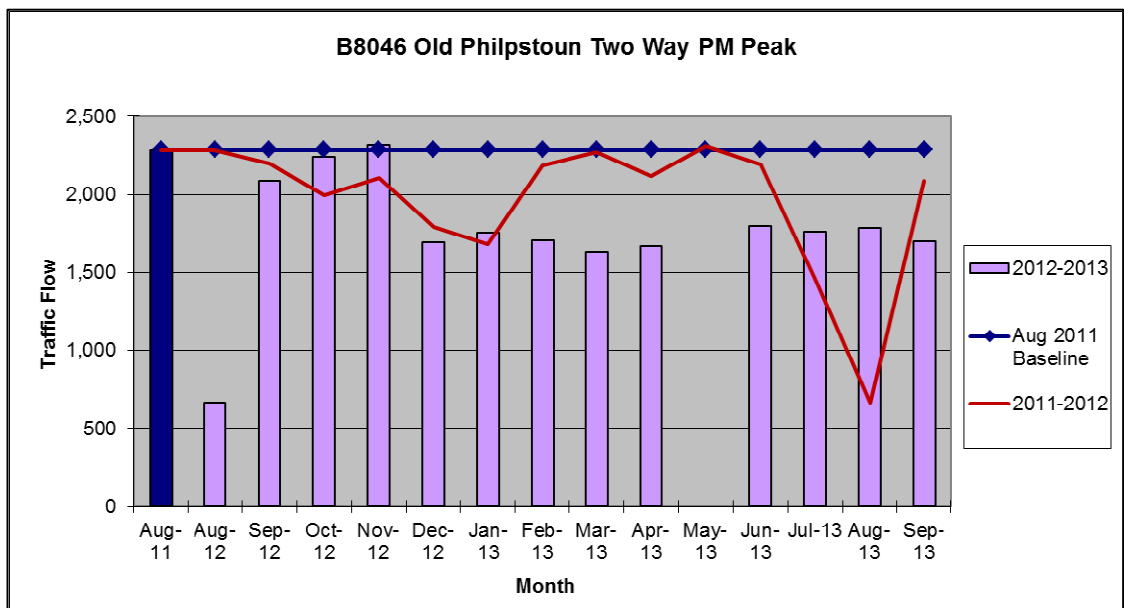


Figure 5-199 Monthly Two Way PM Peak Flows on the B8046 Old Philpstoun

5.11.4 Monthly Average HGV Flows

Table 5-74 Site: JTC00599 Annual HGV Traffic Flows – August 2012 to September 2013

Counter	Location	Date	NB	SB	Two Way
JTC00599	B8046 Old Philpstoun	Aug-11	176	182	358
		Aug-12	125	120	245
		Sep-12	155	171	326
		Oct-12	179	200	378
		Nov-12	208	216	424
		Dec-12	148	153	301
		Jan-13	145	131	276
		Feb-13	69	95	165
		Mar-13	59	79	138
		Apr-13	52	80	132
		May-13	No Data	No Data	No Data
		Jun-13	53	67	120
		Jul-13	51	65	116
		Aug-13	46	61	107
		Sep-13	40	56	97
		<b>Annual Average</b>	<b>113</b>	<b>125</b>	<b>238</b>

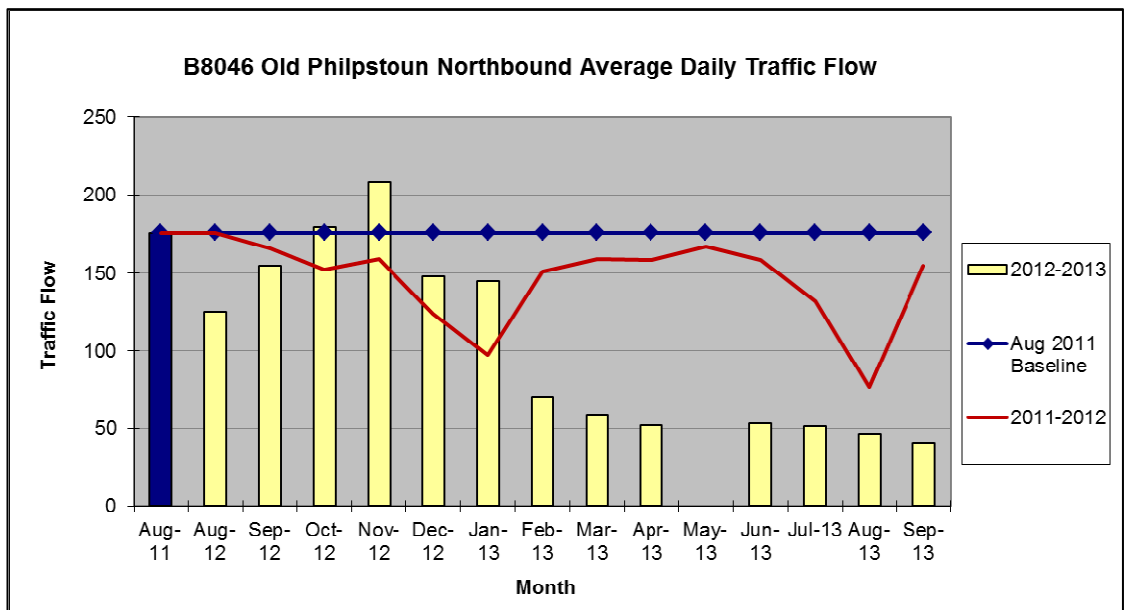


Figure 5-200 Monthly Southbound HGV Flows on the B8046 Old Philpstoun



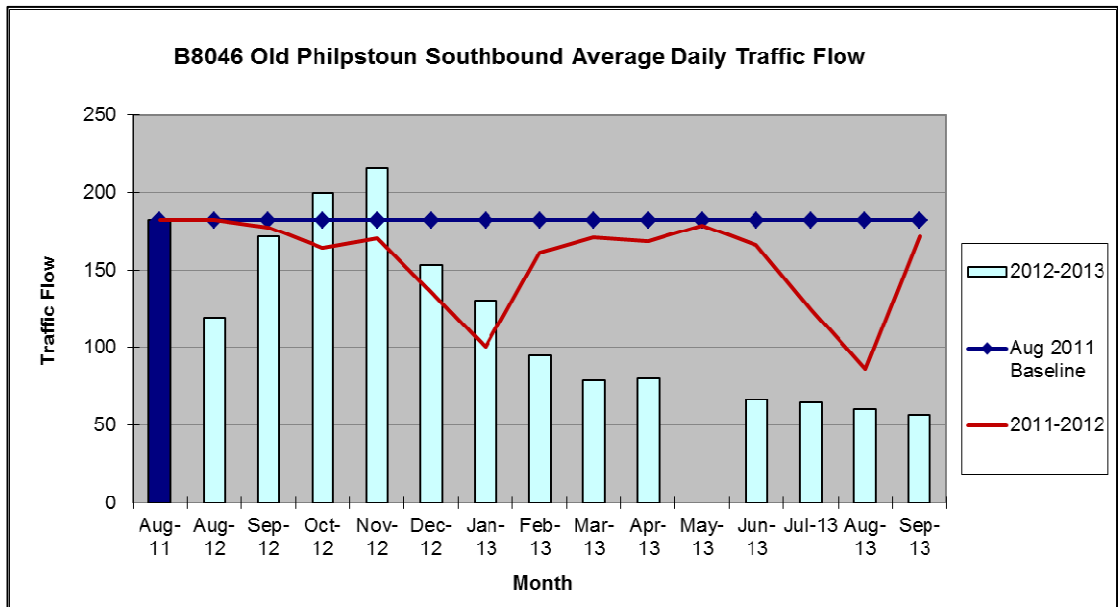


Figure 5-201 Monthly Northbound HGV Flows on the B8046 Old Philpstoun

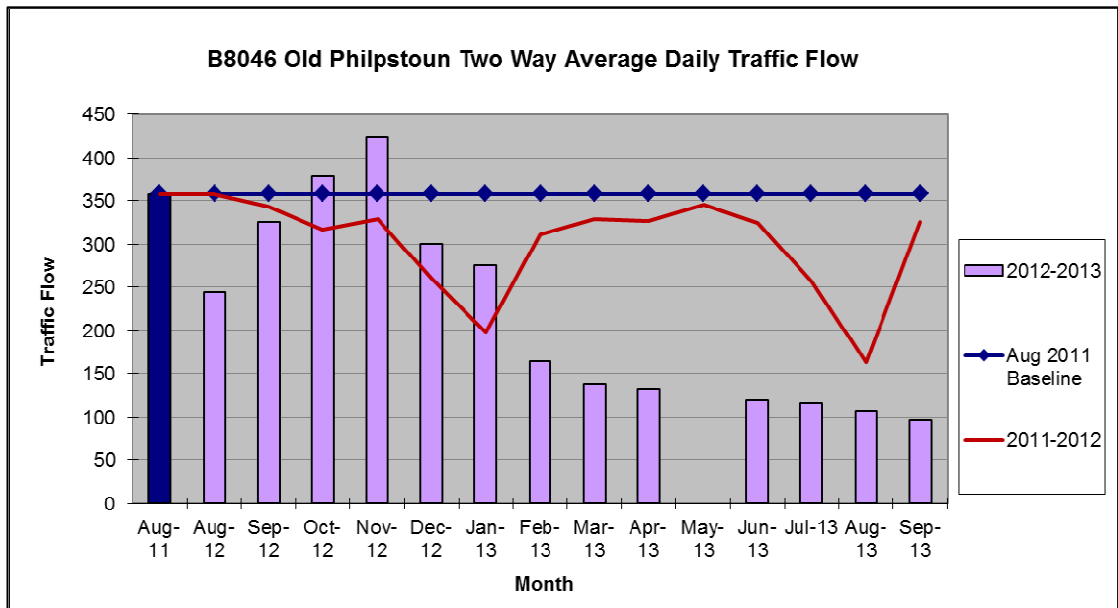


Figure 5-202 Monthly Two Way HGV Flows on the B8046 Old Philpstoun

5.11.5 Monthly Average AM Peak HGV Flows

Table 5-75 Site: JTC00599 AM Peak HGV Traffic Flows – August 2012 to September 2013

Counter	Location	Date	NB	SB	Two Way
JTC00599	B8046 Old Philpstoun	Aug-11	41	34	75
		Aug-12	42	21	63
		Sep-12	35	31	67
		Oct-12	42	37	79
		Nov-12	46	29	75
		Dec-12	30	26	56
		Jan-13	33	21	54
		Feb-13	17	19	35
		Mar-13	13	16	29
		Apr-13	12	17	29
		May-13	No Data	No Data	No Data
		Jun-13	11	12	23
		Jul-13	12	12	24
		Aug-13	10	11	21
		Sep-13	9	11	20
		<b>Annual Average</b>	<b>27</b>	<b>22</b>	<b>49</b>

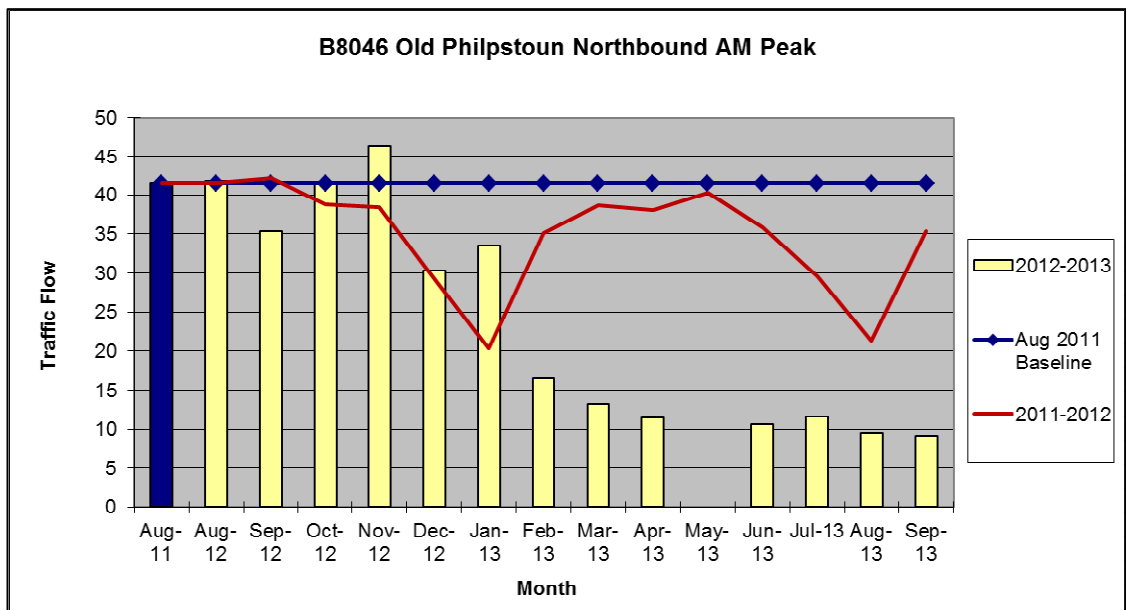


Figure 5-203 Monthly Northbound AM Peak HGV Flows on the B8046 Old Philpstoun

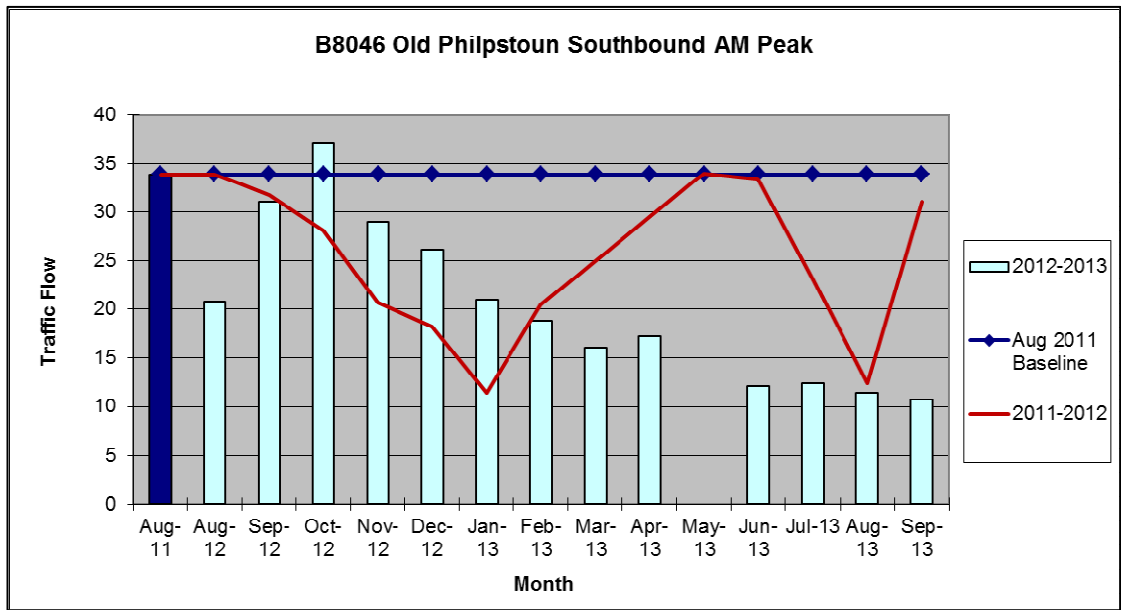


Figure 5-204 Monthly Southbound AM Peak HGV Flows on the B8046 Old Philpstown

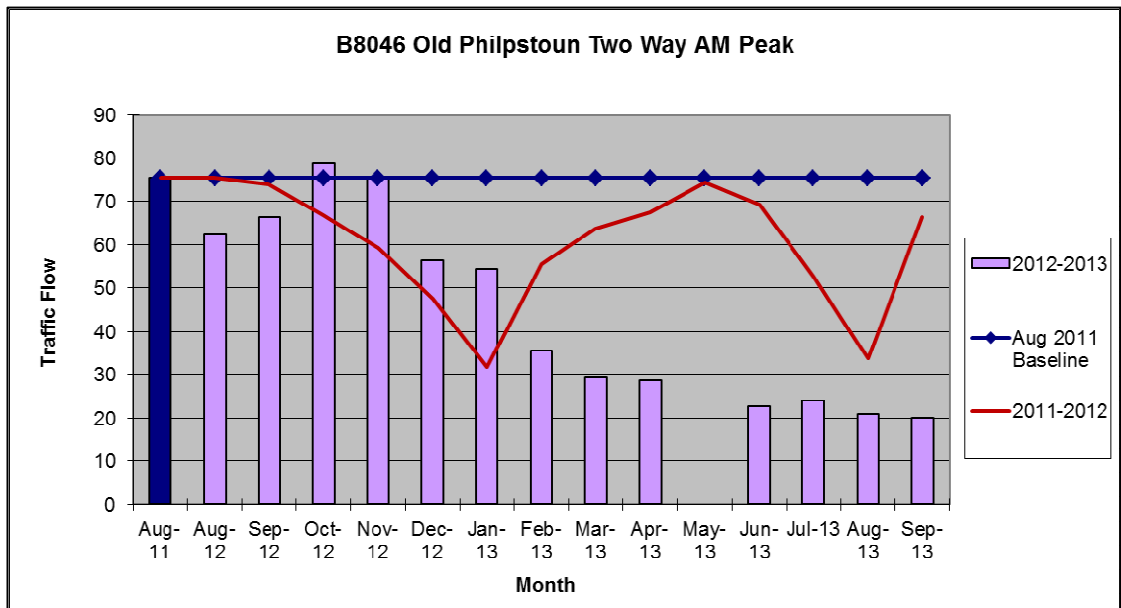


Figure 5-205 Monthly Two Way AM Peak HGV Flows on the B8046 Old Philpstown

5.11.6 Monthly Average PM Peak HGV Flows

Table 5-76 Site: JTC00599 PM Peak HGV Traffic Flows – August 2012 to September 2013

Counter	Location	Date	NB	SB	Two Way
JTC00599	B8046 Old Philpstoun	Aug-11	22	30	52
		Aug-12	20	17	37
		Sep-12	18	31	49
		Oct-12	22	35	57
		Nov-12	32	45	77
		Dec-12	17	26	43
		Jan-13	16	17	34
		Feb-13	10	13	23
		Mar-13	10	11	21
		Apr-13	7	13	20
		May-13	No Data	No Data	No Data
		Jun-13	10	12	22
		Jul-13	9	11	20
		Aug-13	8	10	18
		Sep-13	7	10	16
		<b>Annual Average</b>	<b>16</b>	<b>21</b>	<b>37</b>

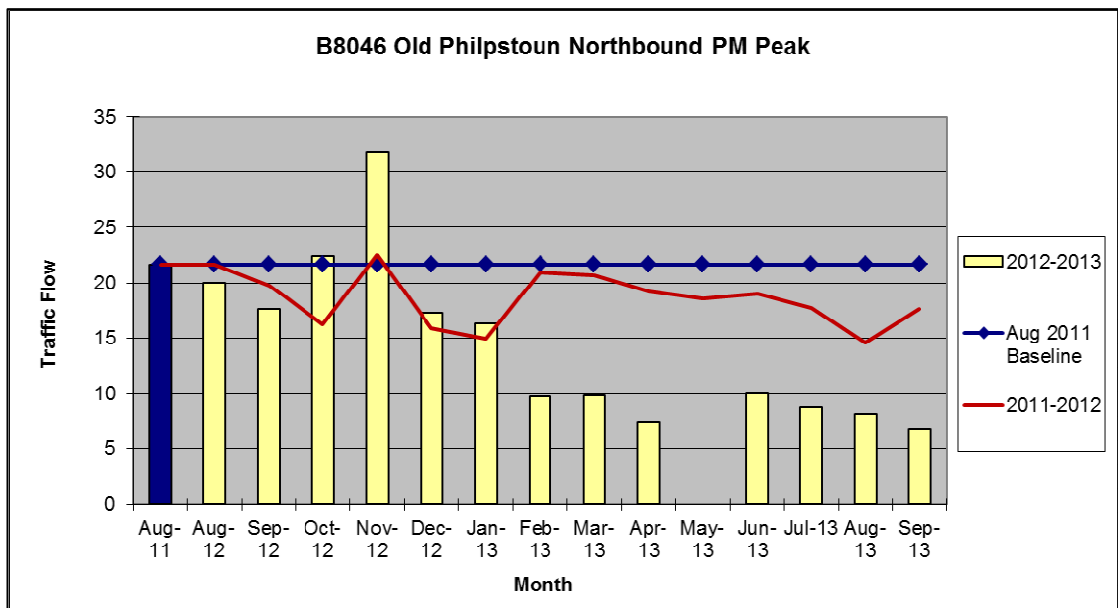


Figure 5-206 Monthly Northbound PM HGV Peak Flows on the B8046 Old Philpstoun

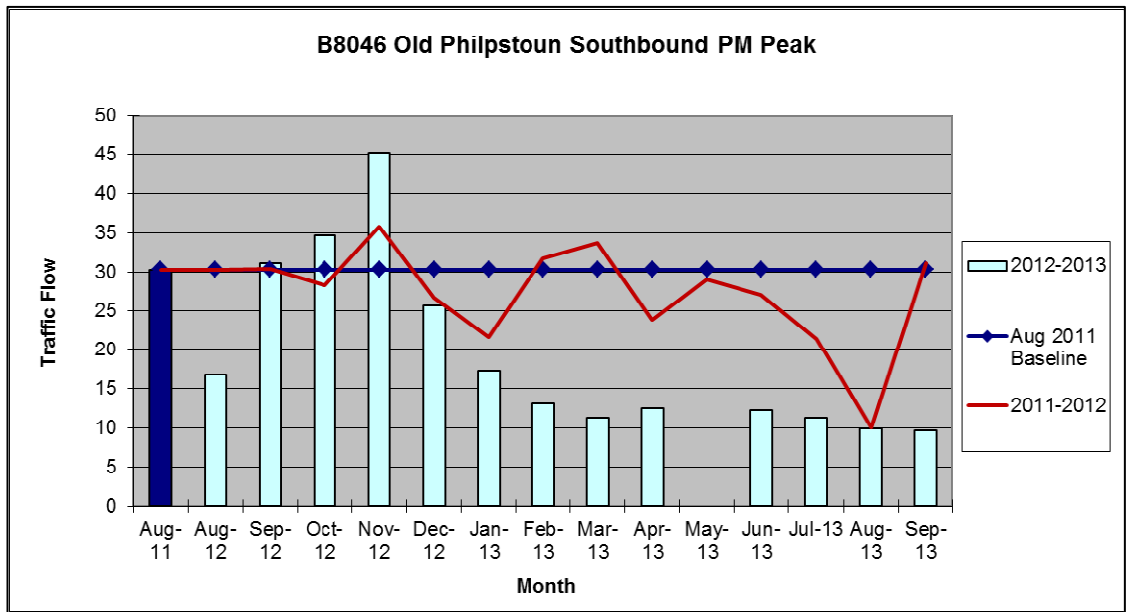


Figure 5-207 Monthly Southbound PM Peak HGV Flows on the B8046 Old Philpstoun

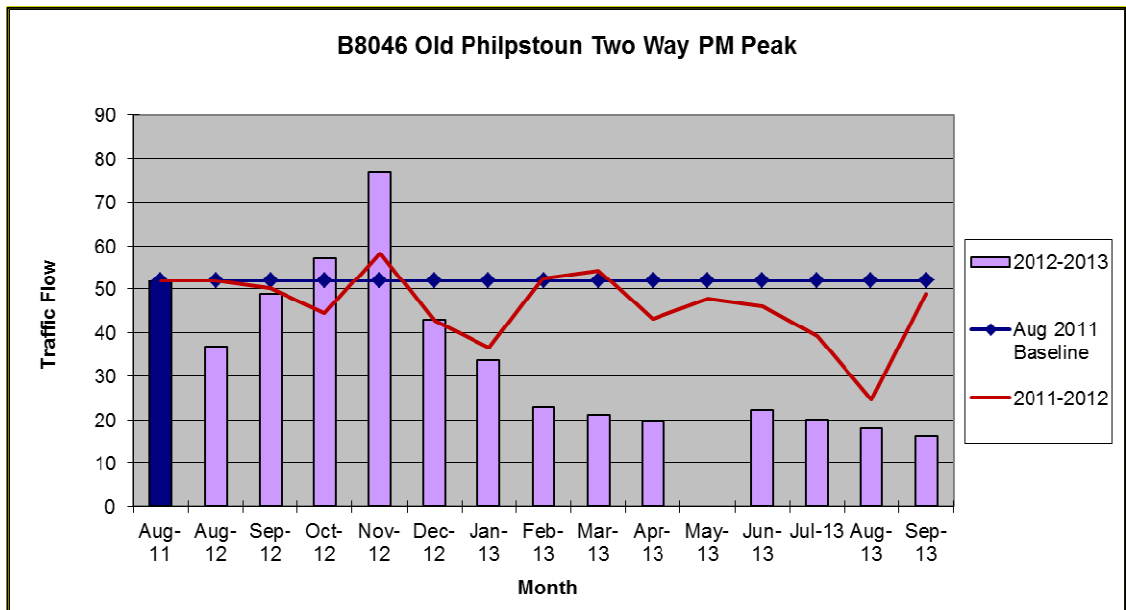


Figure 5-208 Monthly Two Way PM Peak HGV Flows on the B8046 Old Philpstoun

5.11.7 Monthly Average All Vehicles Traffic Speeds

Table 5-77 Site: JTC00599 Average Monthly Traffic Speeds (KPH) (All Vehicles) – August 2012 to September 2013

Counter	Location	Date	NB	SB
JTC00599	B8046 Old Philpstoun	Aug-12	16	37
		Sep-12	40	51
		Oct-12	40	51
		Nov-12	38	50
		Dec-12	40	51
		Jan-13	40	51
		Feb-13	40	52
		Mar-13	40	52
		Apr-13	40	53
		May-13	No Data	No Data
		Jun-13	40	54
		Jul-13	42	54
		Aug-13	43	54
Sep-13	43	54		

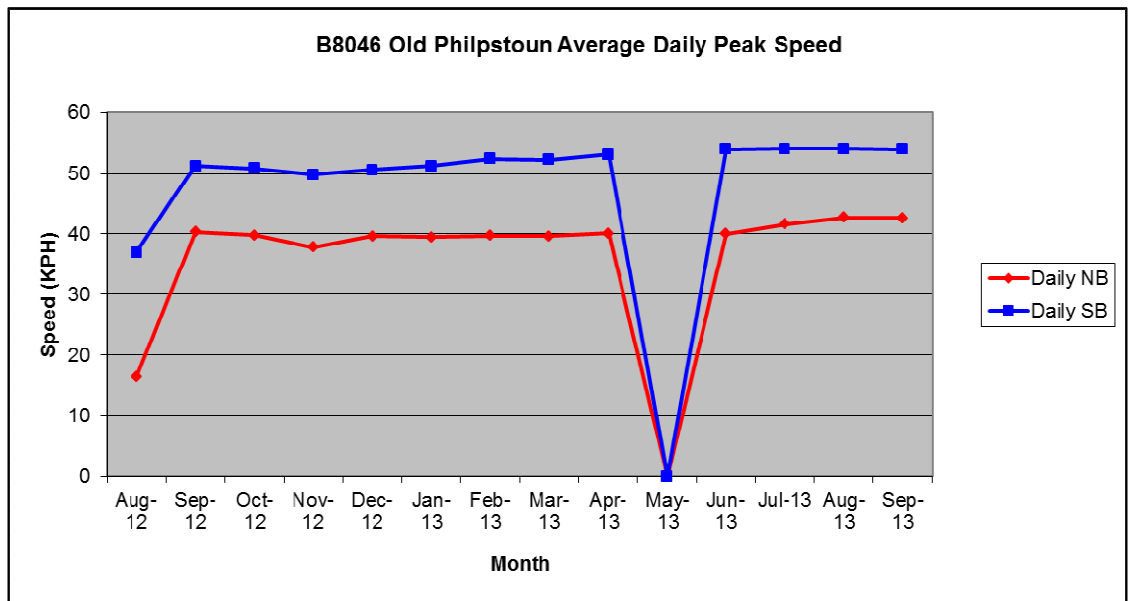


Figure 5-209 Average Monthly Traffic Speeds (KPH) on the B8046 Old Philpstoun

## 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 2012 to September 2013

Counter	Location	Date	NB	SB	Two Way
JTC00600	B8020 South of A904 Junction	Aug-11	473	566	1,039
		Aug-12	590	693	1,283
		Sep-12	557	645	1,202
		Oct-12	544	652	1,196
		Nov-12	536	633	1,169
		Dec-12	438	523	961
		Jan-13	424	497	920
		Feb-13	750	899	1,649
		Mar-13	640	787	1,427
		Apr-13	759	922	1,681
		May-13	788	930	1,719
		Jun-13	675	833	1,508
		Jul-13	627	831	1,458
		Aug-13	557	670	1,228
		Sep-13	525	630	1,155
		<b>Annual Average</b>	<b>611</b>	<b>737</b>	<b>1,348</b>

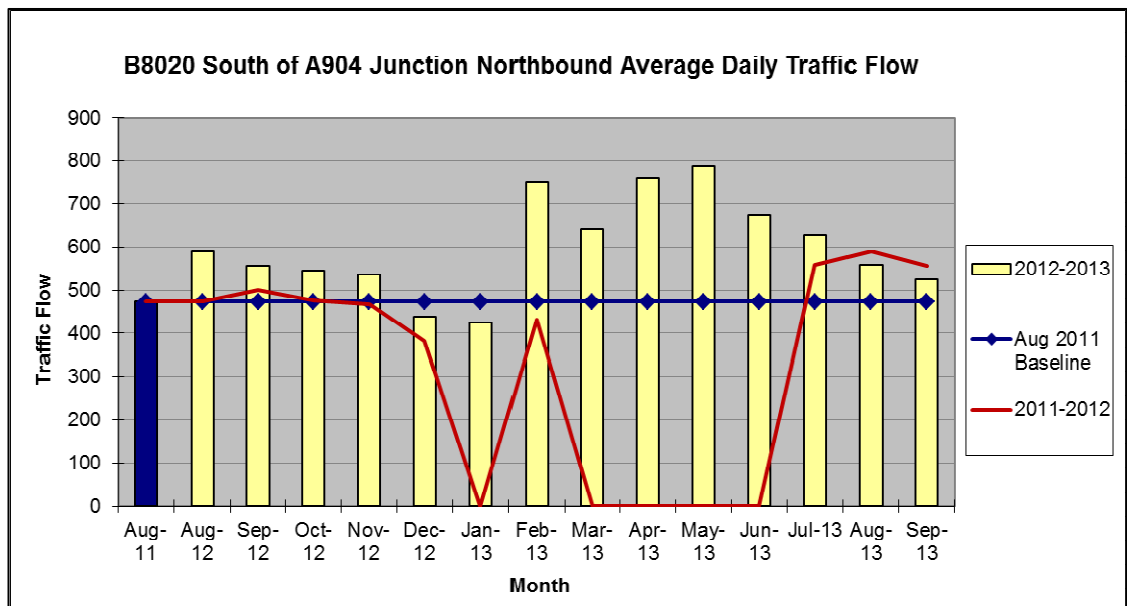


Figure 5-210 Monthly Northbound AADTs on the B8020 South of A904 Junction

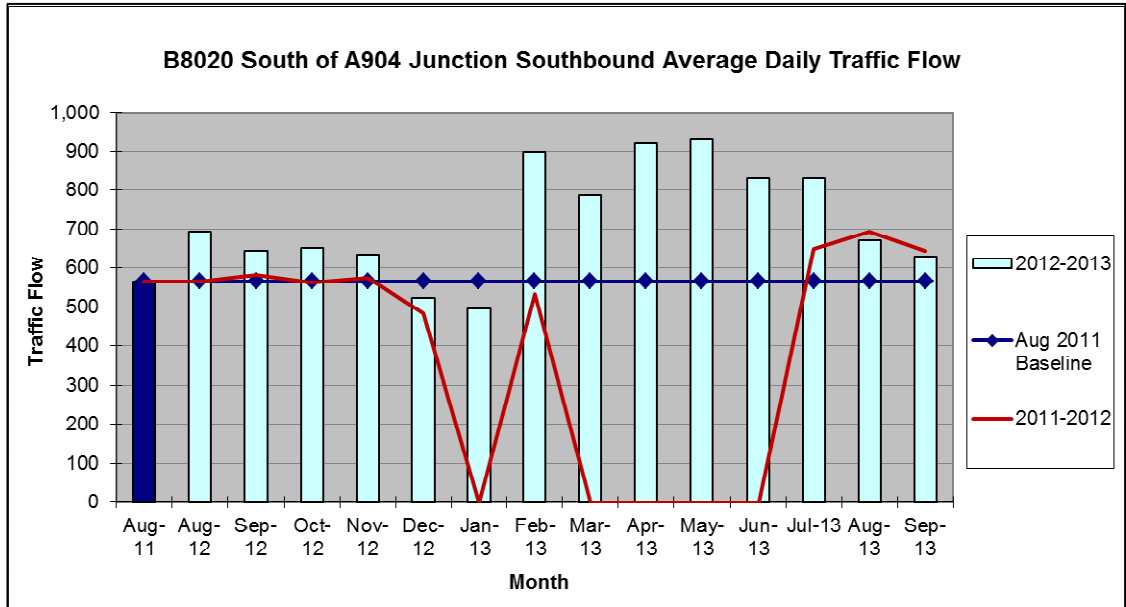


Figure 5-211 Monthly Southbound AADTs on the B8020 South of A904 Junction

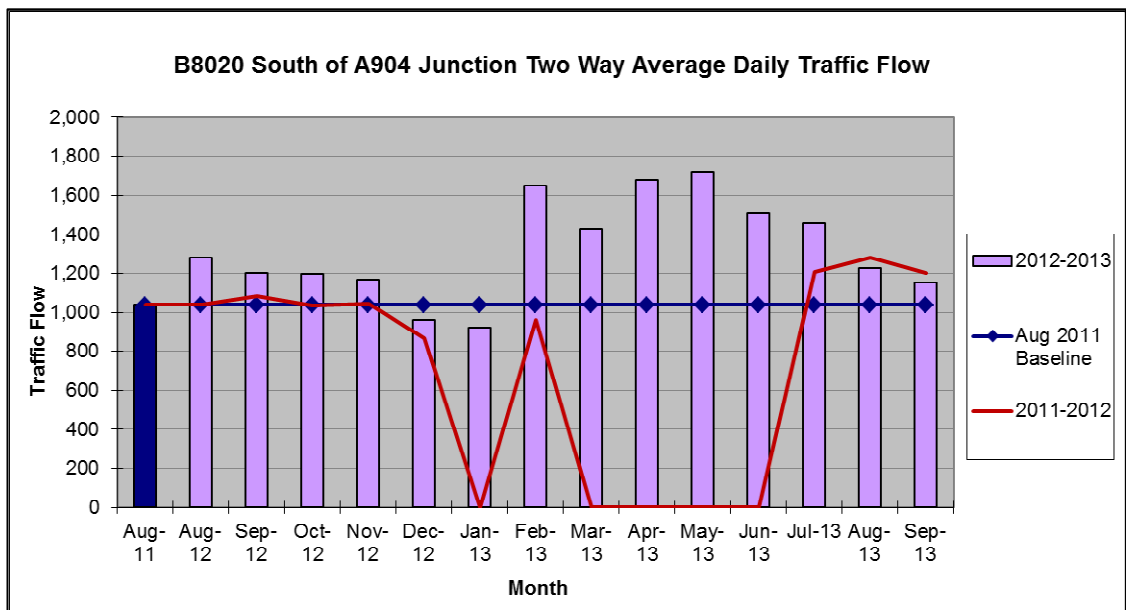


Figure 5-212 Monthly Two Way Daily Traffic Flows on the B8020 South of A904 Junction



5.12.2 Monthly Average AM Peak Traffic Flows

Table 5-79 Site: JTC00600 AM Peak Traffic Flows – August 2012 to September 2013

Counter	Location	Date	NB	SB	Two Way
JTC00600	B8020 South of A904 Junction	Aug-11	92	92	184
		Aug-12	112	128	239
		Sep-12	106	126	232
		Oct-12	114	132	246
		Nov-12	113	137	251
		Dec-12	84	101	186
		Jan-13	90	102	193
		Feb-13	170	188	358
		Mar-13	131	146	277
		Apr-13	152	185	338
		May-13	168	202	370
		Jun-13	98	110	207
		Jul-13	103	130	234
		Aug-13	104	124	227
		Sep-13	106	126	232
		<b>Annual Average</b>	<b>120</b>	<b>141</b>	<b>261</b>

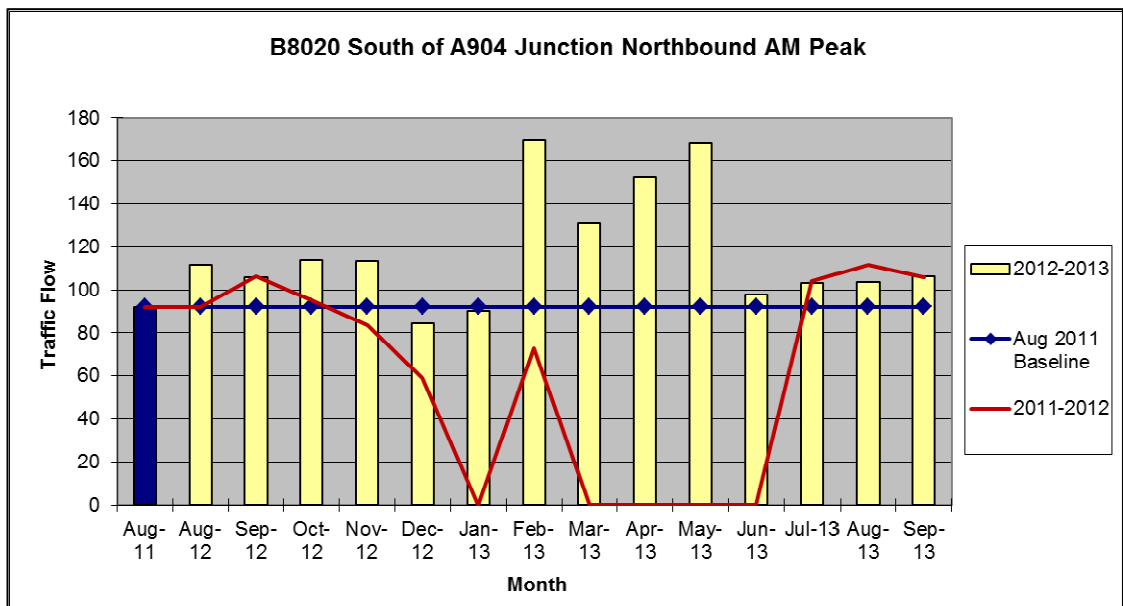


Figure 5-213 Monthly Eastbound AM Peak Flows on the B8020 South of A904 Junction

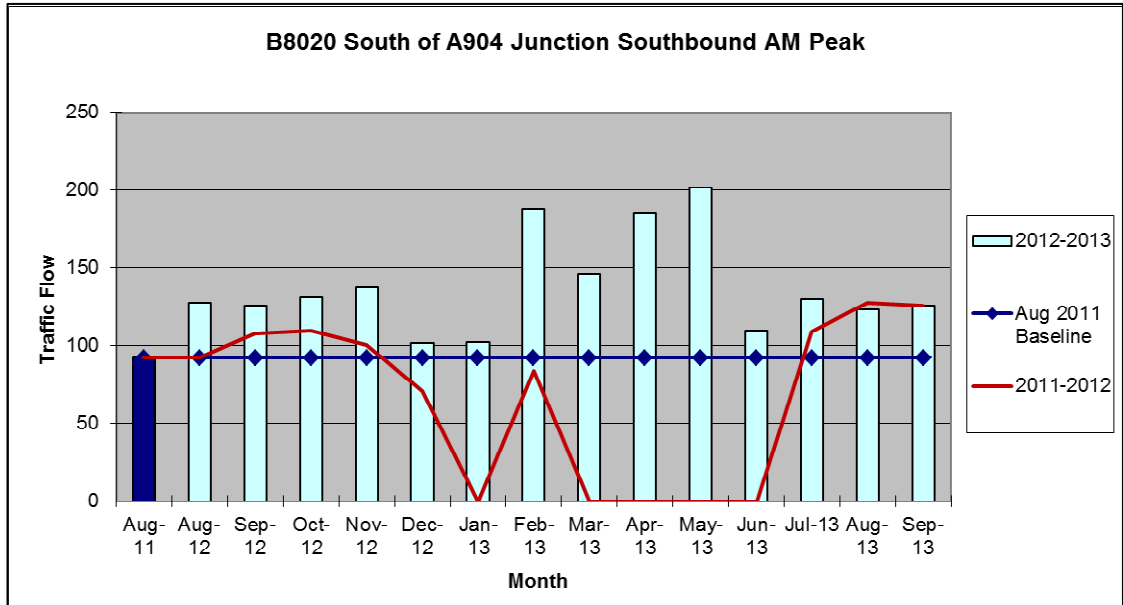


Figure 5-214 Monthly Westbound AM Peak Flows on the B8020 South of A904 Junction

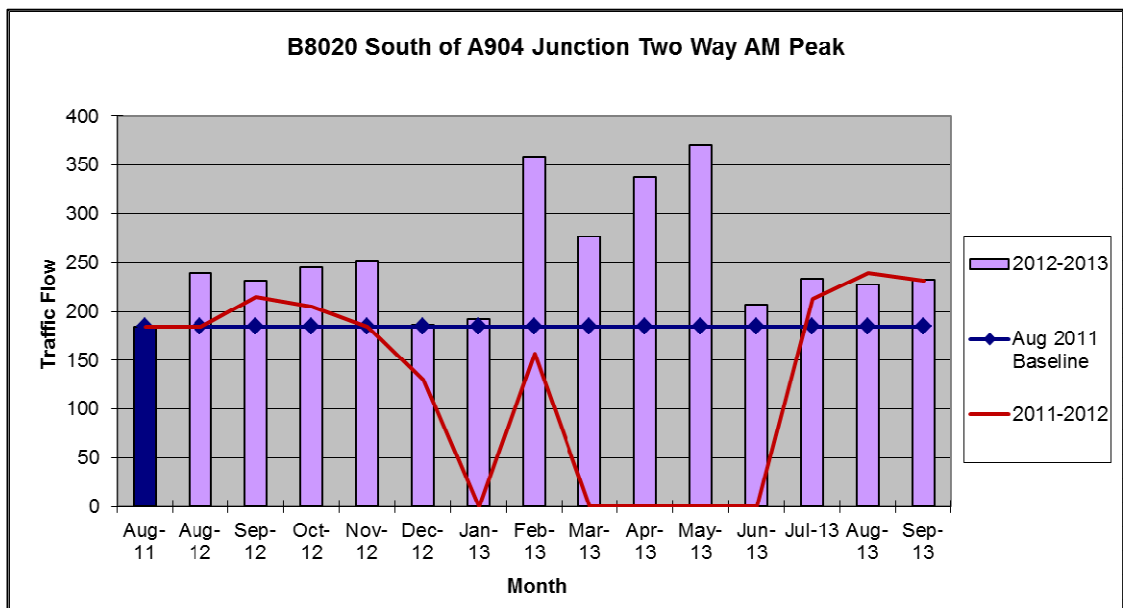


Figure 5-215 Monthly Two Way AM Peak Flows on the B8020 South of A904 Junction

### 5.12.3 Monthly Average PM Peak Traffic Flows

Table 5-80 Site: JTC00600 PM Peak Traffic Flows – August 2012 to September 2013

Counter	Location	Date	NB	SB	Two Way
JTC00600	B8020 South of A904 Junction	Aug-11	109	144	253
		Aug-12	129	151	280
		Sep-12	128	139	267
		Oct-12	130	144	274
		Nov-12	136	142	278
		Dec-12	91	100	192
		Jan-13	89	103	192
		Feb-13	163	195	358
		Mar-13	132	174	306
		Apr-13	169	211	380
		May-13	168	196	364
		Jun-13	166	213	379
		Jul-13	163	237	399
		Aug-13	127	144	271
Sep-13	119	142	262		
		<b>Annual Average</b>	<b>139</b>	<b>167</b>	<b>306</b>

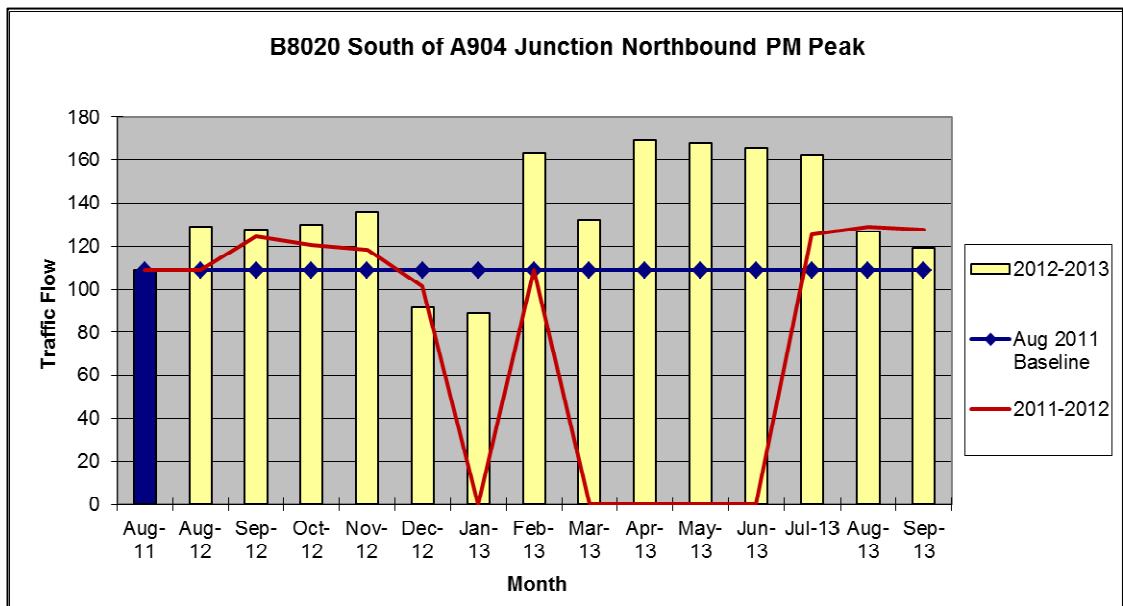


Figure 5-216 Monthly Eastbound PM Peak Flows on the B8020 South of A904 Junction

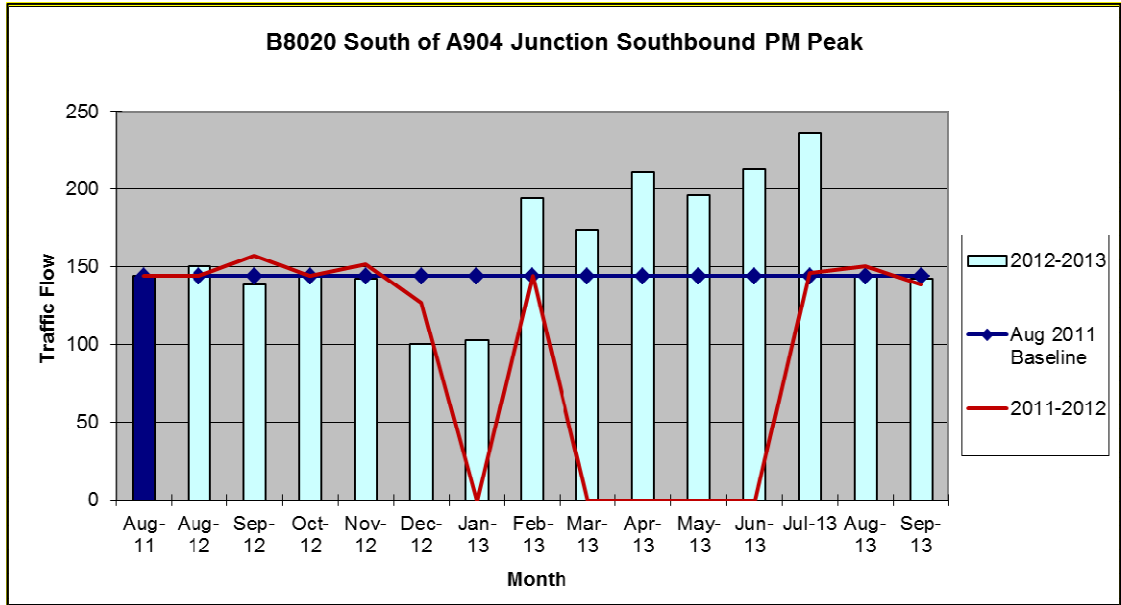


Figure 5-217 Monthly Westbound PM Peak Flows on the B8020 South of A904 Junction

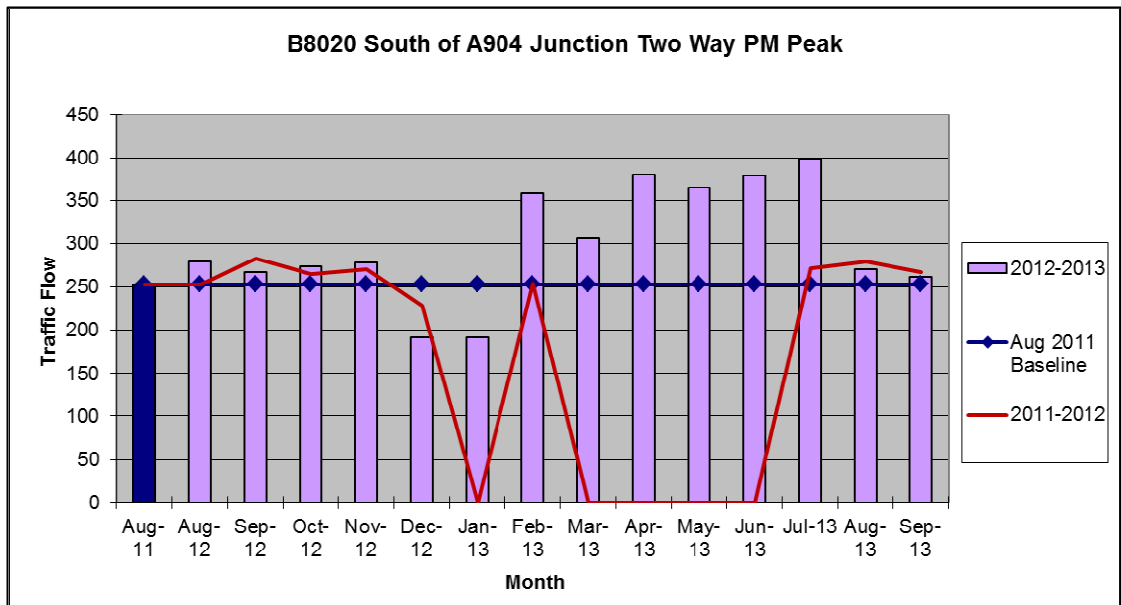


Figure 5-218 Monthly Two Way PM Peak Flows on the B8020 South of A904 Junction

5.12.4 Monthly Average HGV Flows

Table 5-81 Site: JTC00600 Annual HGV Traffic Flows – August 2012 to September 2013

Counter	Location	Date	NB	SB	Two Way
JTC00600	B8020 South of A904 Junction	Aug-11	0	0	1
		Aug-12	1	1	1
		Sep-12	1	1	2
		Oct-12	0	0	1
		Nov-12	1	1	1
		Dec-12	1	1	1
		Jan-13	0	1	1
		Feb-13	2	2	4
		Mar-13	1	2	3
		Apr-13	2	2	3
		May-13	2	2	4
		Jun-13	2	1	4
		Jul-13	1	1	2
		Aug-13	1	1	1
		Sep-13	0	1	1
		<b>Annual Average</b>			<b>1</b>

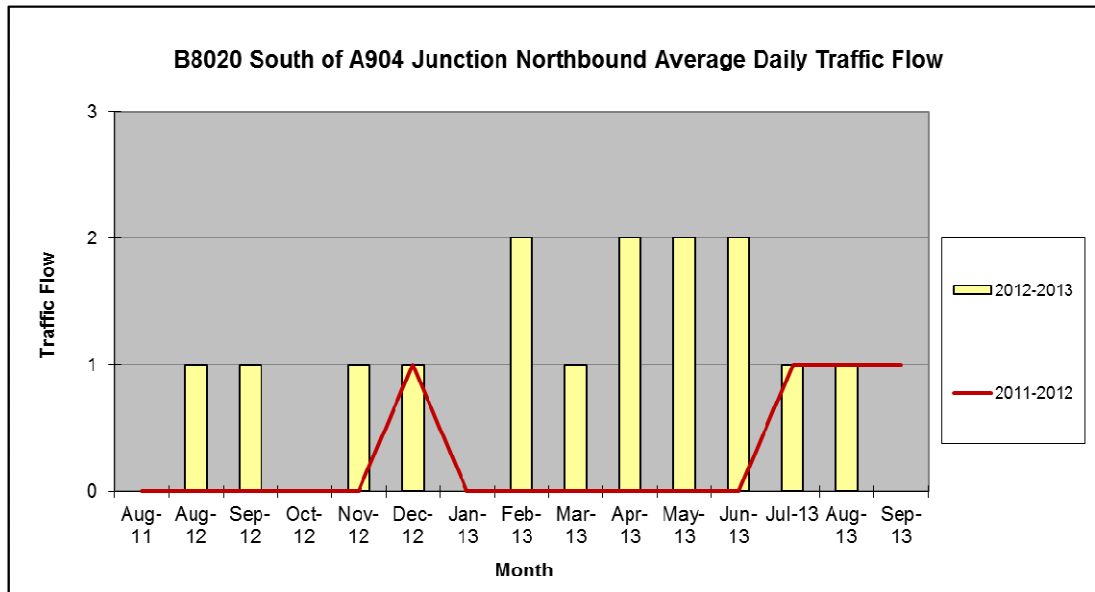


Figure 5-219 Monthly Northbound HGV Flows on the B8020 South of A904 Junction

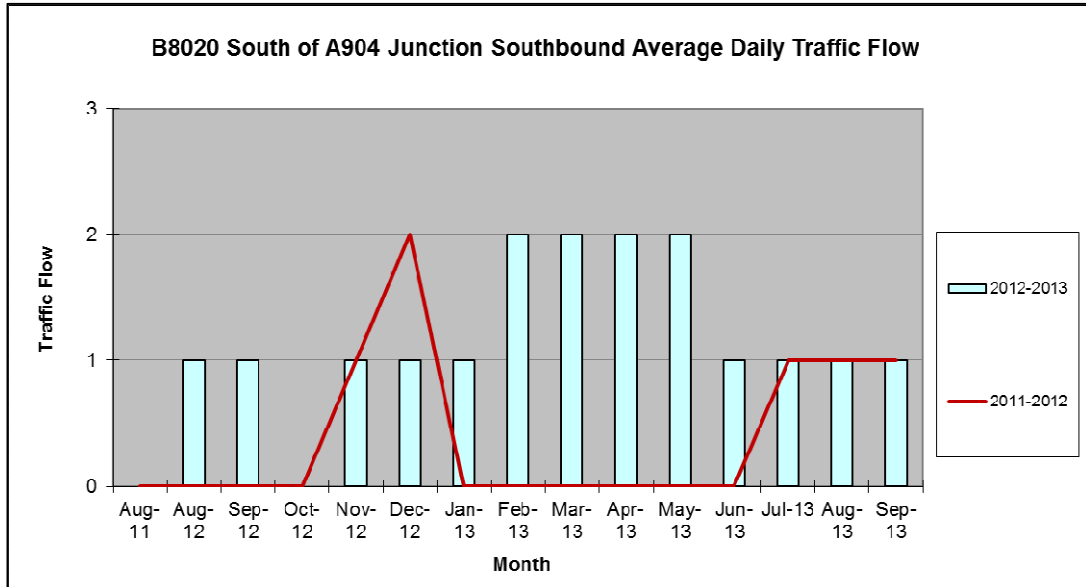


Figure 5-220 Monthly Southbound HGV Flows on the B8020 South of A904 Junction

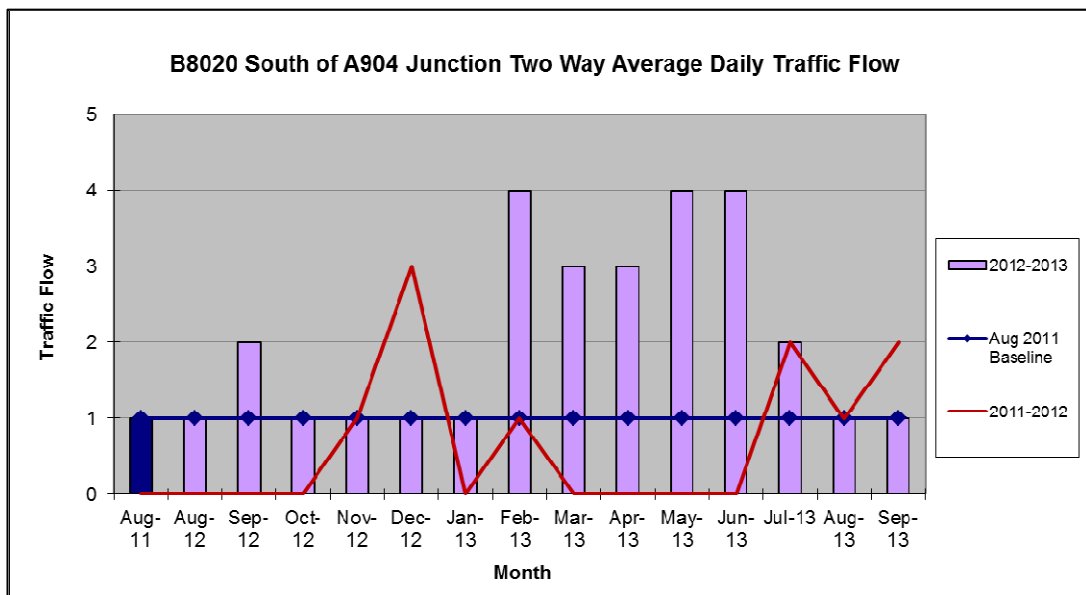


Figure 5-221 Monthly Two Way HGV Flows on the B8020 South of A904 Junction

### 5.12.5 Monthly Average AM Peak HGV Flows

**Table 5-82 Site: JTC00600 AM Peak HGV Traffic Flows – August 2012 to September 2013**

Counter	Location	Date	NB	SB	Two Way
JTC00600	B8020 South of A904 Junction	Aug-11	0	0	0
		Aug-12	0	0	0
		Sep-12	0	0	0
		Oct-12	0	0	0
		Nov-12	0	0	0
		Dec-12	0	0	0
		Jan-13	0	0	0
		Feb-13	1	1	1
		Mar-13	1	0	1
		Apr-13	1	0	1
		May-13	0	1	1
		Jun-13	1	0	1
		Jul-13	0	0	1
		Aug-13	0	0	0
		Sep-13	0	0	0
		<b>Annual Average</b>			<b>0</b>

### 5.12.6 Monthly Average PM Peak HGV Flows

**Table 5-83 Site: JTC00600 PM Peak HGV Traffic Flows – August 2012 to September 2013**

Counter	Location	Date	NB	SB	Two Way
JTC00600	B8020 South of A904 Junction	Aug-11	0	0	0
		Aug-12	0	0	0
		Sep-12	0	0	0
		Oct-12	0	0	0
		Nov-12	0	0	0
		Dec-12	0	0	0
		Jan-13	0	0	0
		Feb-13	0	0	0
		Mar-13	0	0	0
		Apr-13	0	0	1
		May-13	0	0	0
		Jun-13	0	0	1
		Jul-13	0	0	0
		Aug-13	0	0	0
		Sep-13	0	0	0
		<b>Annual Average</b>			<b>0</b>

5.12.7 Monthly Average All Vehicles Traffic Speeds

Table 5-84 Site: JTC00600 Average Monthly Traffic Speeds (KPH) (All Vehicles) – August 2012 to September 2013

Counter	Location	Date	NB	SB
JTC00600	B8020 South of A904 Junction	Aug-12	41	40
		Sep-12	41	40
		Oct-12	41	41
		Nov-12	40	40
		Dec-12	40	40
		Jan-13	41	40
		Feb-13	39	40
		Mar-13	40	40
		Apr-13	41	41
		May-13	41	41
		Jun-13	41	41
		Jul-13	42	41
		Aug-13	41	40
		Sep-13	41	40

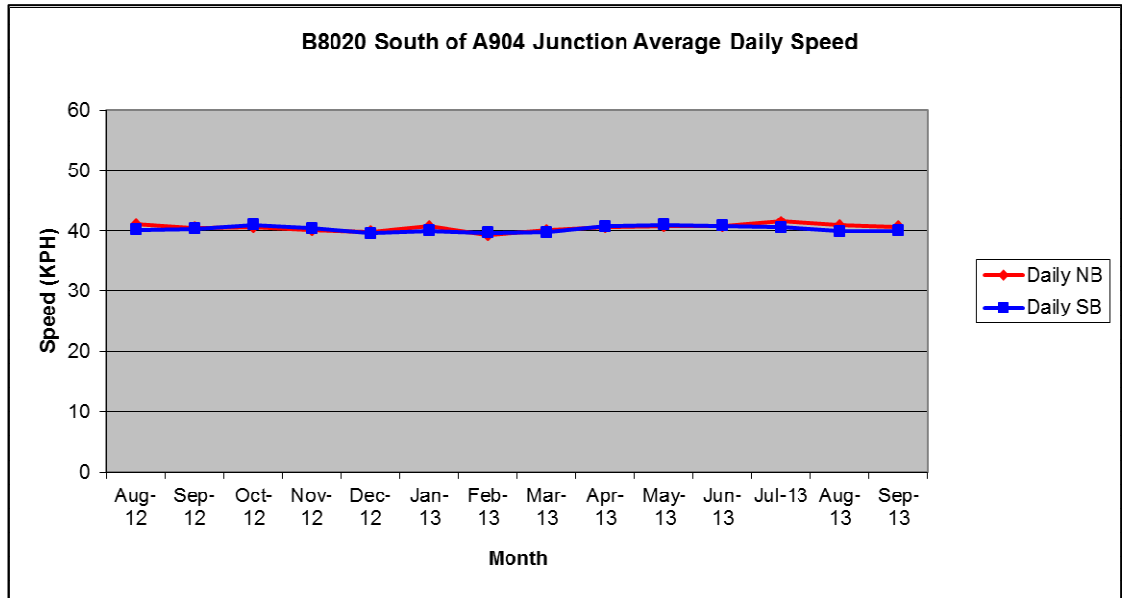


Figure 5-222 Average Monthly Traffic Speeds (KPH) on the B8020 South of A904 Junction



### 5.13 Traffic Counter JTC00601 – New Liston Road

#### 5.13.1 Monthly Average Traffic Flows

Table 3-85 Site: JTC00601 Annual Traffic Flows – August 2012 to September 2013

Counter	Location	Date	EB	WB	Two Way
JTC00601	New Liston Road	Aug-11	4,339	4,131	8,470
		Aug-12	5,198	5,218	10,415
		Sep-12	4,567	4,451	9,018
		Oct-12	4,725	4,711	9,436
		Nov-12	4,633	4,318	8,952
		Dec-12	3,898	3,602	7,499
		Jan-13	3,806	3,667	7,472
		Feb-13	4,220	3,892	8,112
		Mar-13	4,147	3,871	8,019
		Apr-13	4,300	4,030	8,329
		May-13	4,577	4,218	8,795
		Jun-13	4,368	4,217	8,585
		Jul-13	3,999	3,765	7,764
		Aug-13	4,422	4,085	8,507
		Sep-13	4,183	3,888	8,071
		<b>Annual Average</b>			<b>4,370</b>

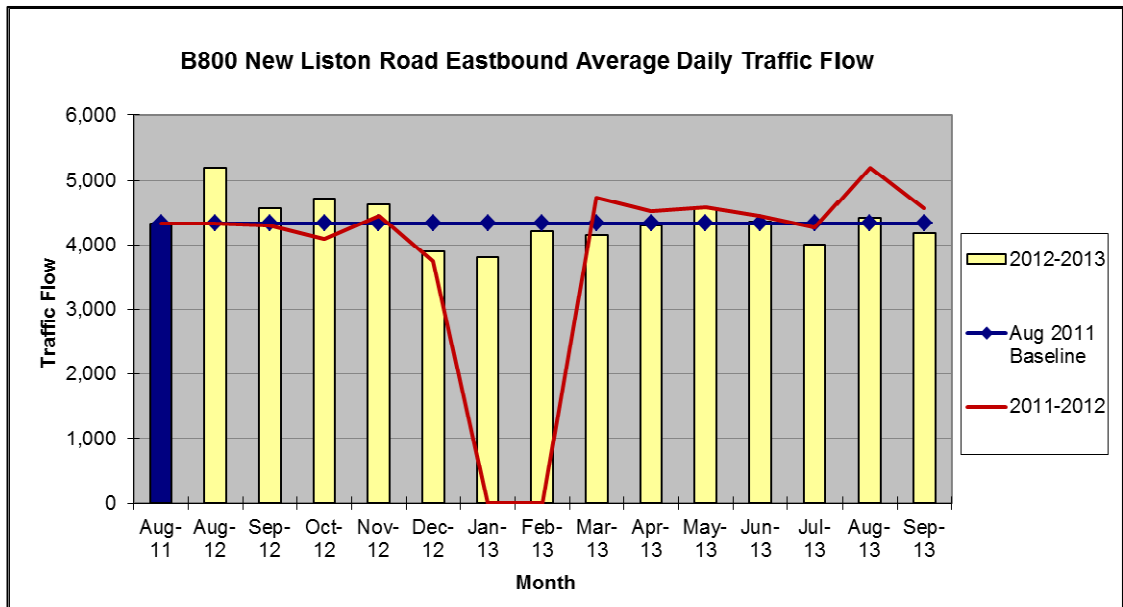


Figure 5-223 Monthly Eastbound AADTs on the New Liston Road

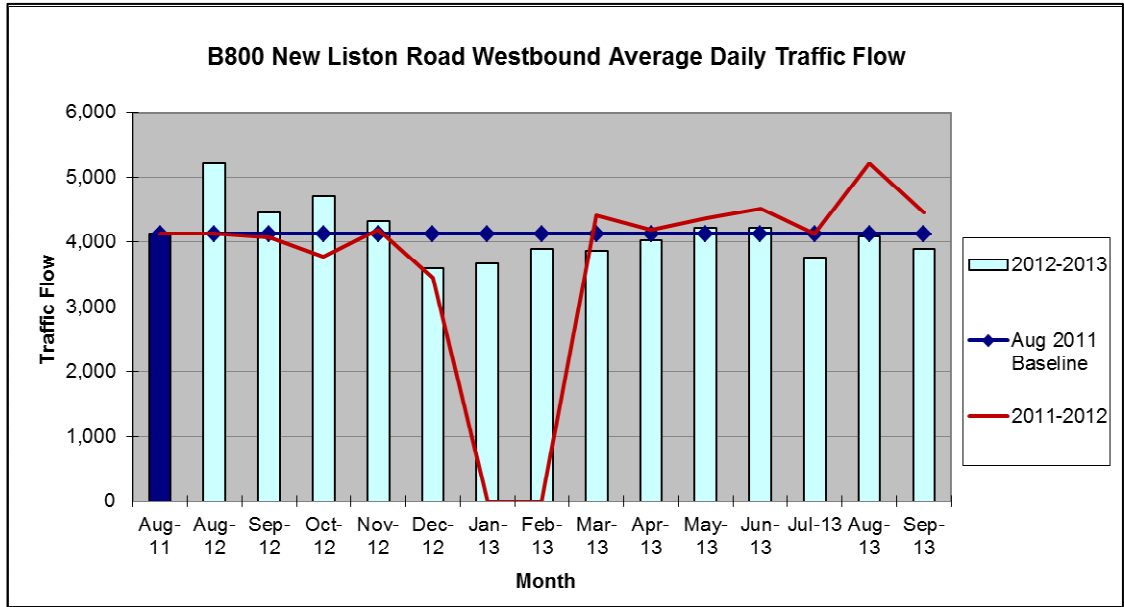


Figure 5-224 Monthly Westbound AADTs on the New Liston Road

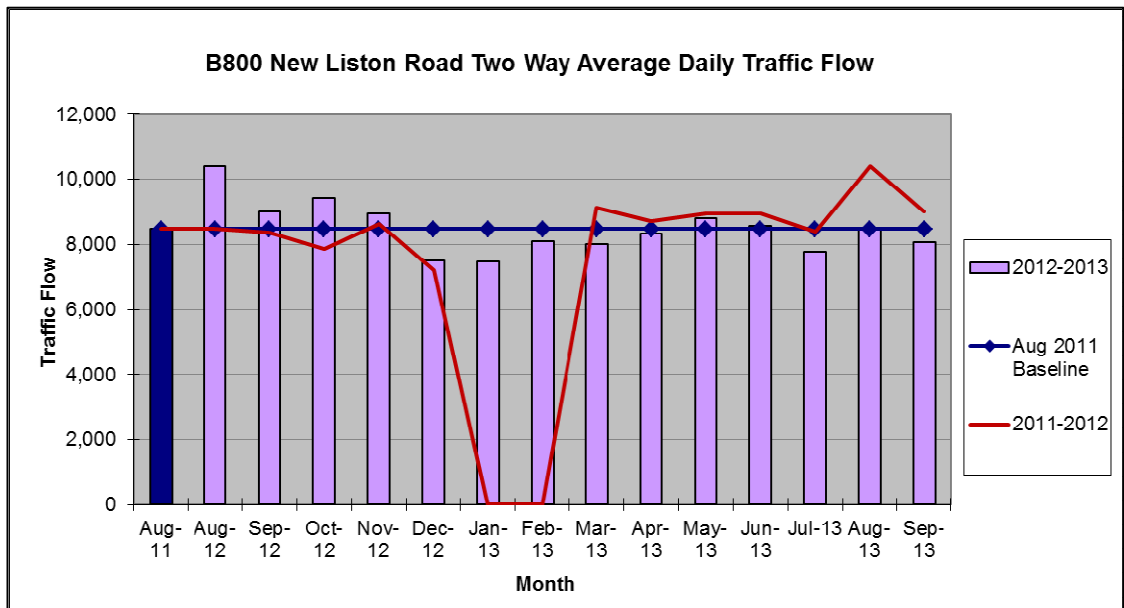


Figure 5-225 Monthly Two Way Daily Traffic Flows on the New Liston Road

### 5.13.2 Monthly Average AM Peak Traffic Flows

Table 5-86 Site: JTC00601 AM Peak Traffic Flows – August 2012 to September 2013

Counter	Location	Date	EB	WB	Two Way
JTC00601	New Liston Road	Aug-11	600	904	1,504
		Aug-12	862	1,242	2,104
		Sep-12	690	973	1,663
		Oct-12	666	998	1,664
		Nov-12	667	985	1,652
		Dec-12	476	717	1,193
		Jan-13	510	838	1,348
		Feb-13	586	875	1,462
		Mar-13	588	896	1,484
		Apr-13	603	867	1,470
		May-13	647	939	1,586
		Jun-13	597	893	1,490
		Jul-13	505	767	1,272
		Aug-13	576	853	1,429
		Sep-13	587	883	1,470
		<b>Annual Average</b>	<b>616</b>	<b>916</b>	<b>1,532</b>

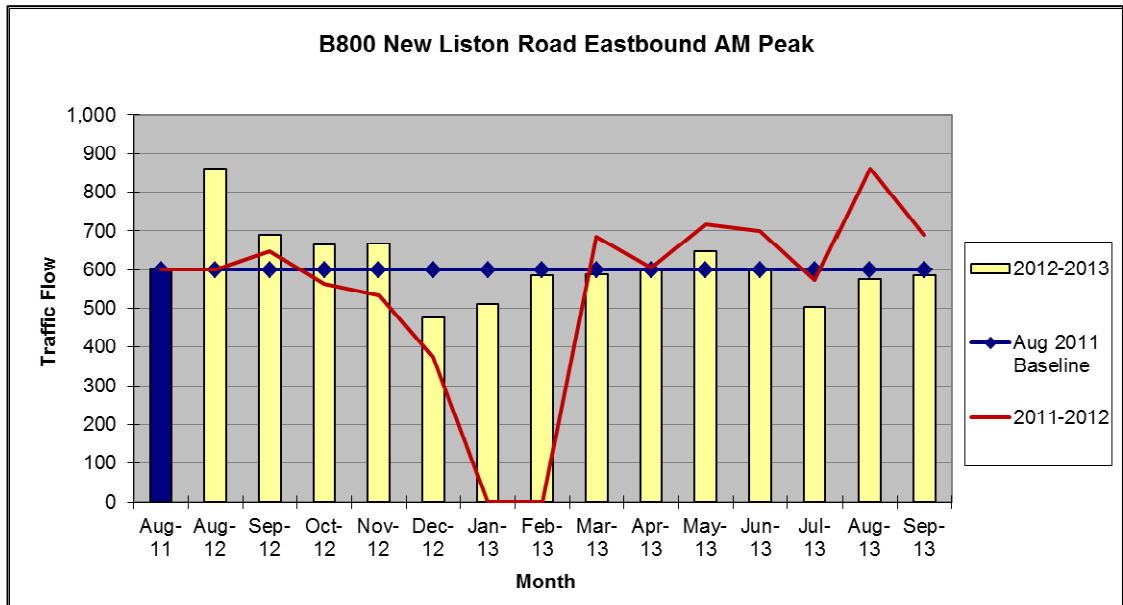


Figure 5-226 Monthly Eastbound AM Peak Flows on the New Liston Road

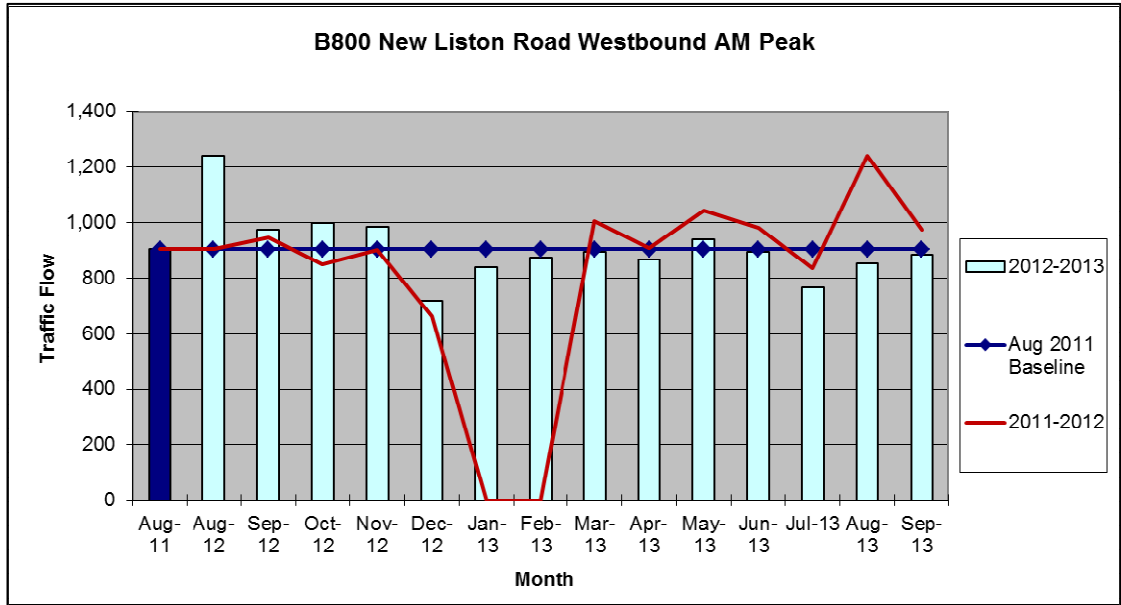


Figure 5-227 Monthly Westbound AM Peak Flows on the New Liston Road

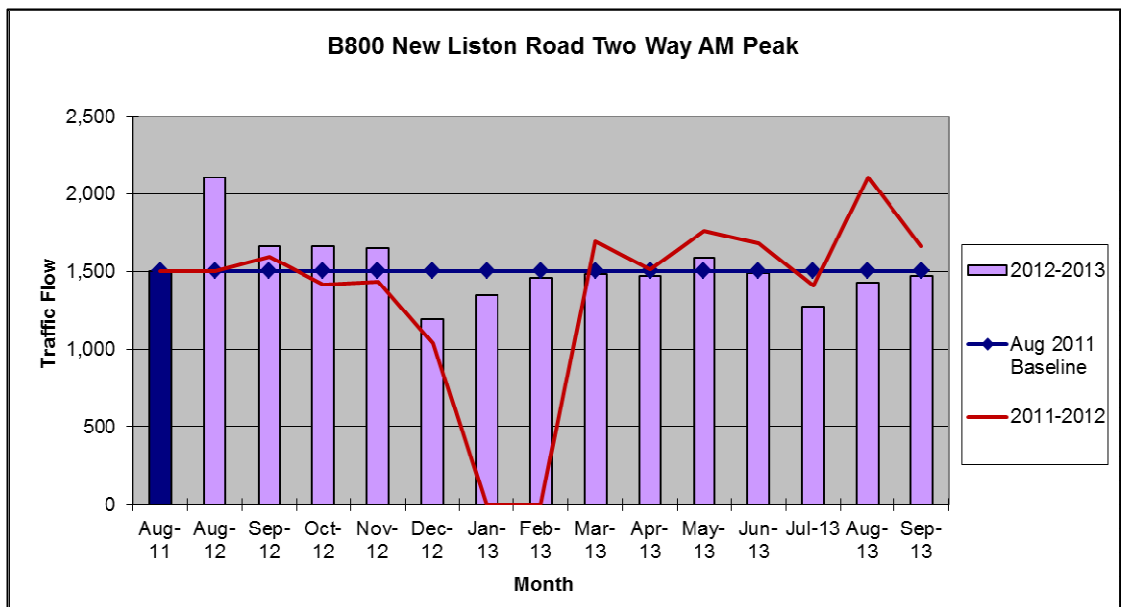


Figure 5-228 Monthly Two Way AM Peak Flows on the New Liston Road

### 5.13.3 Monthly Average PM Peak Traffic Flows

Table 5-87 Site: JTC00601 PM Peak Traffic Flows – August 2012 to September 2013

Counter	Location	Date	EB	WB	Two Way
JTC00601	New Liston Road	Aug-11	1,311	935	2,246
		Aug-12	1,447	1,202	2,650
		Sep-12	1,210	1,011	2,221
		Oct-12	1,295	1,067	2,362
		Nov-12	1,243	953	2,196
		Dec-12	1,000	763	1,763
		Jan-13	1,067	795	1,862
		Feb-13	1,213	856	2,069
		Mar-13	1,119	807	1,925
		Apr-13	1,173	868	2,041
		May-13	1,289	955	2,244
		Jun-13	1,175	961	2,136
		Jul-13	1,098	839	1,937
		Aug-13	1,277	948	2,225
		Sep-13	1,194	886	2,080
		<b>Annual Average</b>	<b>1,194</b>	<b>923</b>	<b>2,117</b>

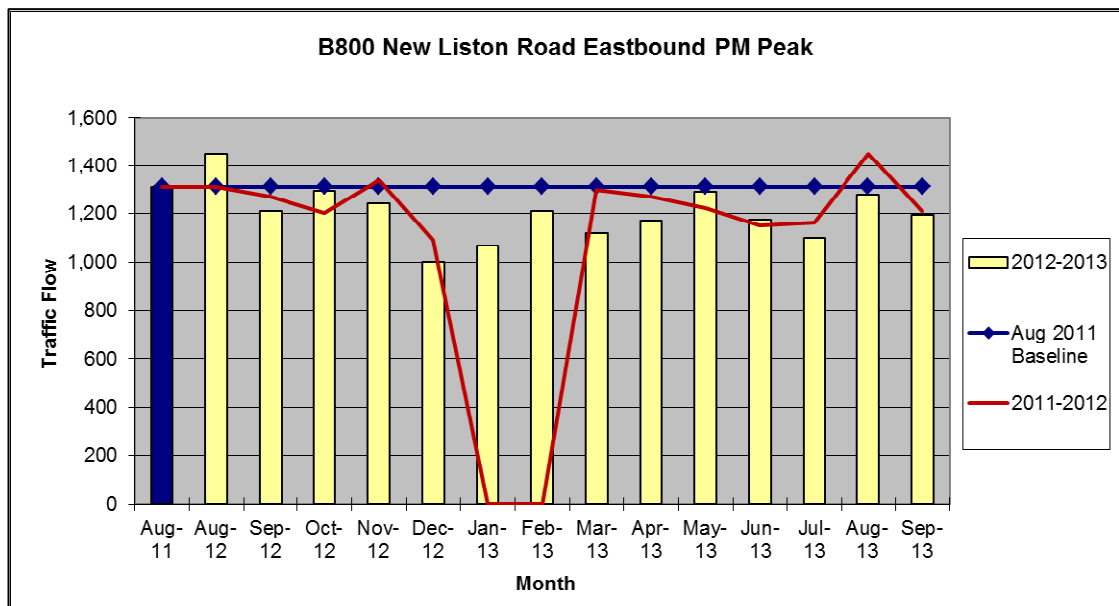


Figure 5-229 Monthly Eastbound PM Peak Flows on the New Liston Road

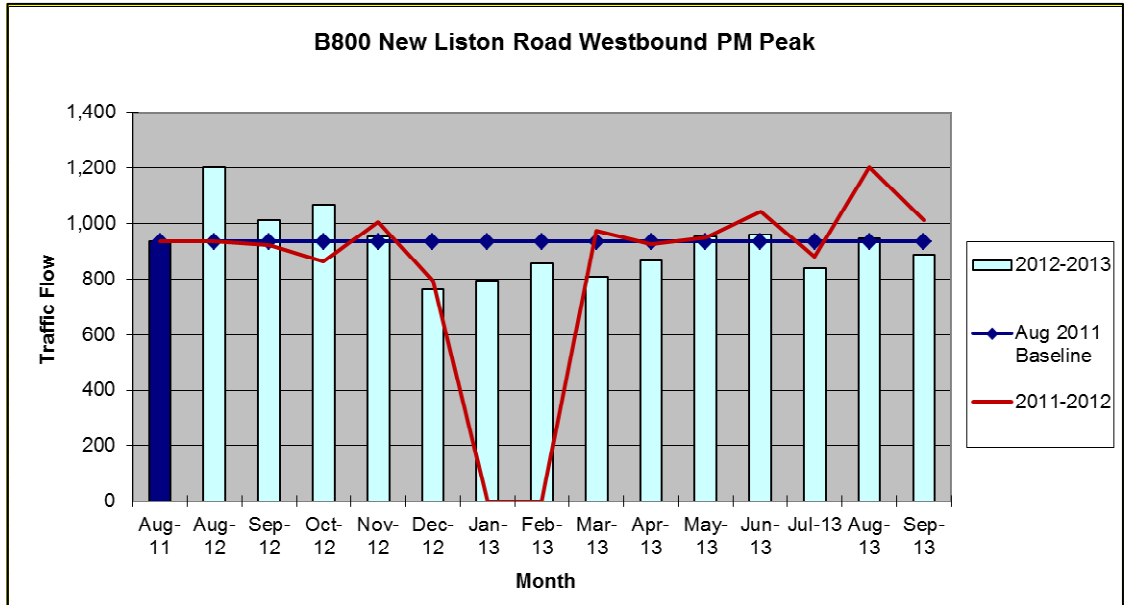


Figure 5-230 Monthly Westbound PM Peak Flows on the New Liston Road

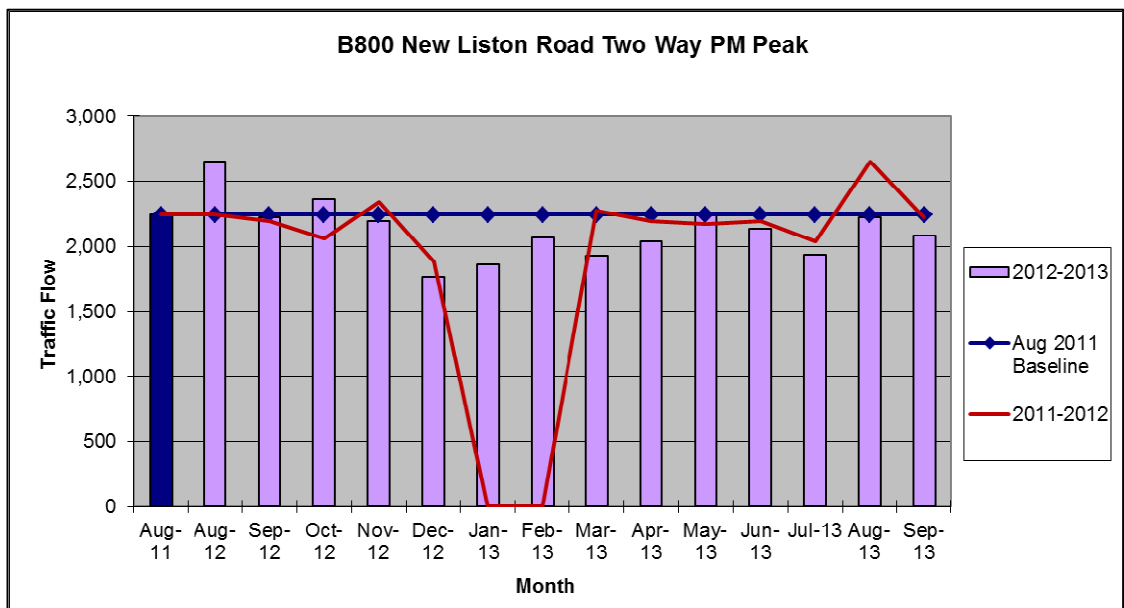


Figure 5-231 Monthly Two Way PM Peak Flows on the New Liston Road

### 5.13.4 Monthly Average HGV Flows

Table 5-88 Site: JTC00601 Annual HGV Traffic Flows – August 2012 to September 2013

Counter	Location	Date	EB	WB	Two Way
JTC00601	New Liston Road	Aug-11	63	66	130
		Aug-12	132	131	263
		Sep-12	109	108	218
		Oct-12	111	116	227
		Nov-12	93	89	181
		Dec-12	51	51	102
		Jan-13	53	52	104
		Feb-13	59	59	118
		Mar-13	63	62	125
		Apr-13	61	62	123
		May-13	64	62	126
		Jun-13	60	60	120
		Jul-13	53	53	105
		Aug-13	62	61	123
		Sep-13	61	61	122
<b>Annual Average</b>			<b>76</b>	<b>75</b>	<b>151</b>

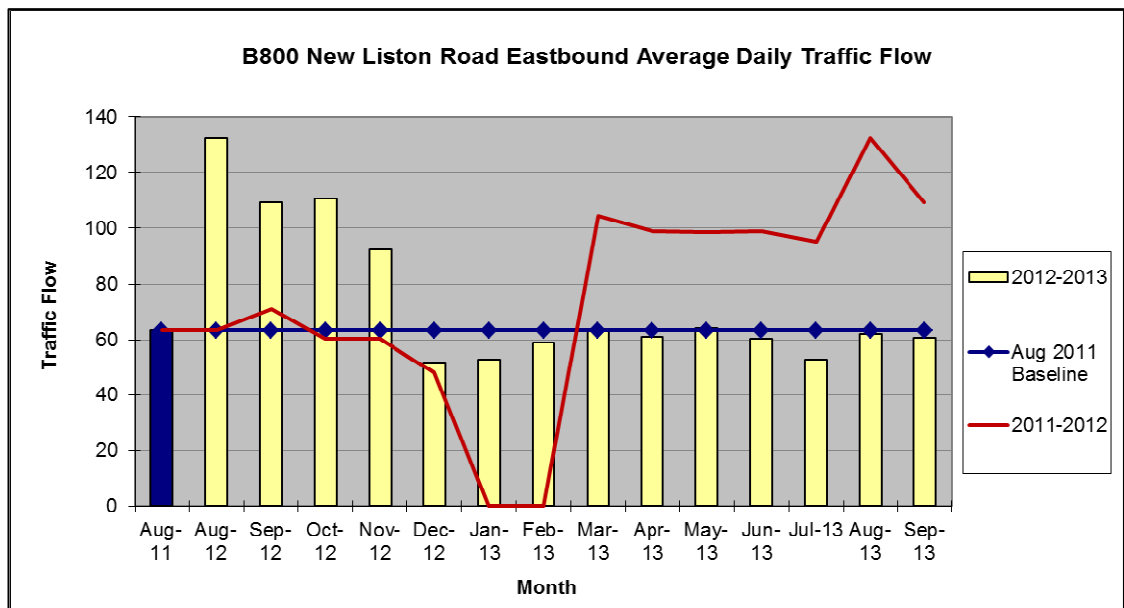


Figure 5-232 Monthly Eastbound HGV Flows on the New Liston Road

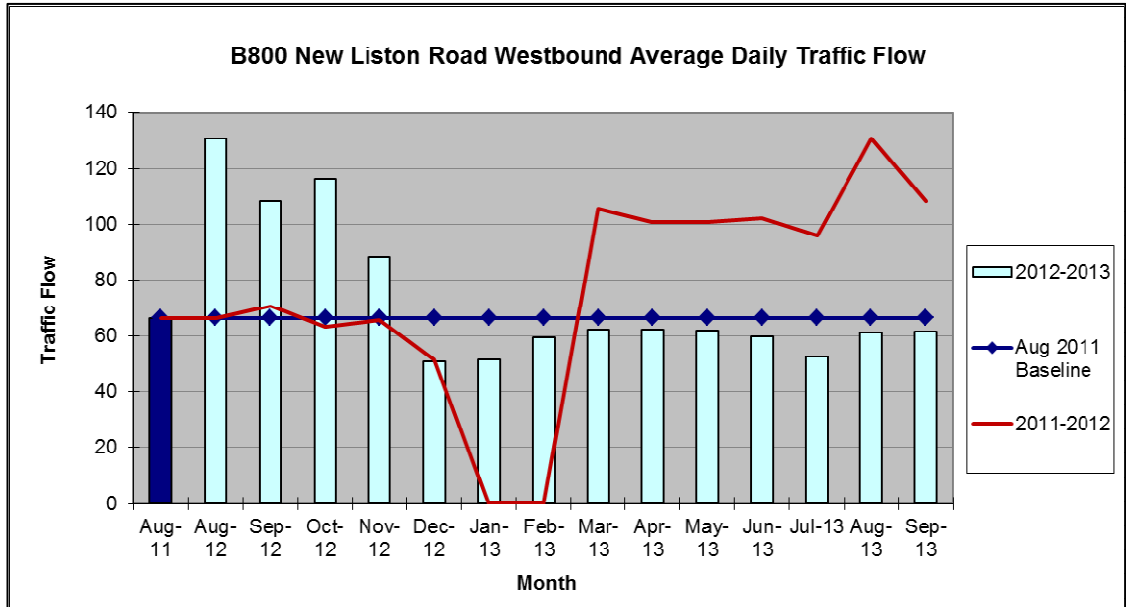


Figure 5-233 Monthly Westbound HGV Flows on the New Liston Road

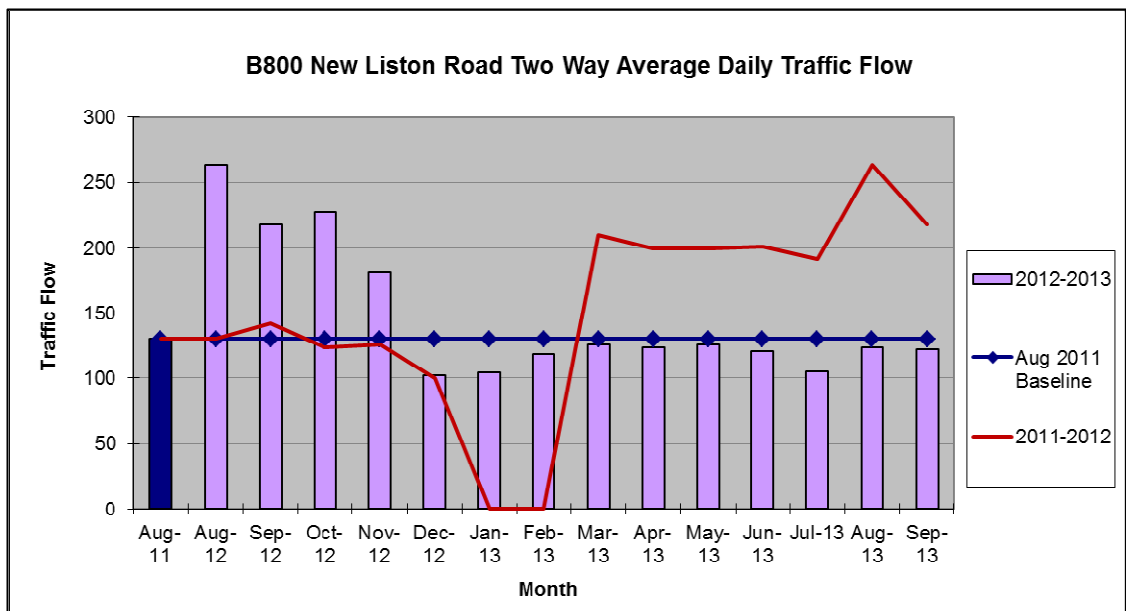


Figure 5-234 Monthly Two Way HGV Flows on the New Liston Road



5.13.5 Monthly Average AM Peak HGV Flows

Table 5-89 Site: JTC00601 AM Peak HGV Traffic Flows – August 2012 to September 2013

Counter	Location	Date	EB	WB	Two Way
JTC00601	New Liston Road	Aug-11	12	13	26
		Aug-12	25	24	49
		Sep-12	19	21	41
		Oct-12	18	22	39
		Nov-12	18	18	36
		Dec-12	10	11	21
		Jan-13	11	12	23
		Feb-13	13	13	26
		Mar-13	13	14	27
		Apr-13	14	14	28
		May-13	15	14	29
		Jun-13	14	13	28
		Jul-13	10	11	21
		Aug-13	13	13	26
		Sep-13	14	13	27
		<b>Annual Average</b>	<b>15</b>	<b>16</b>	<b>31</b>

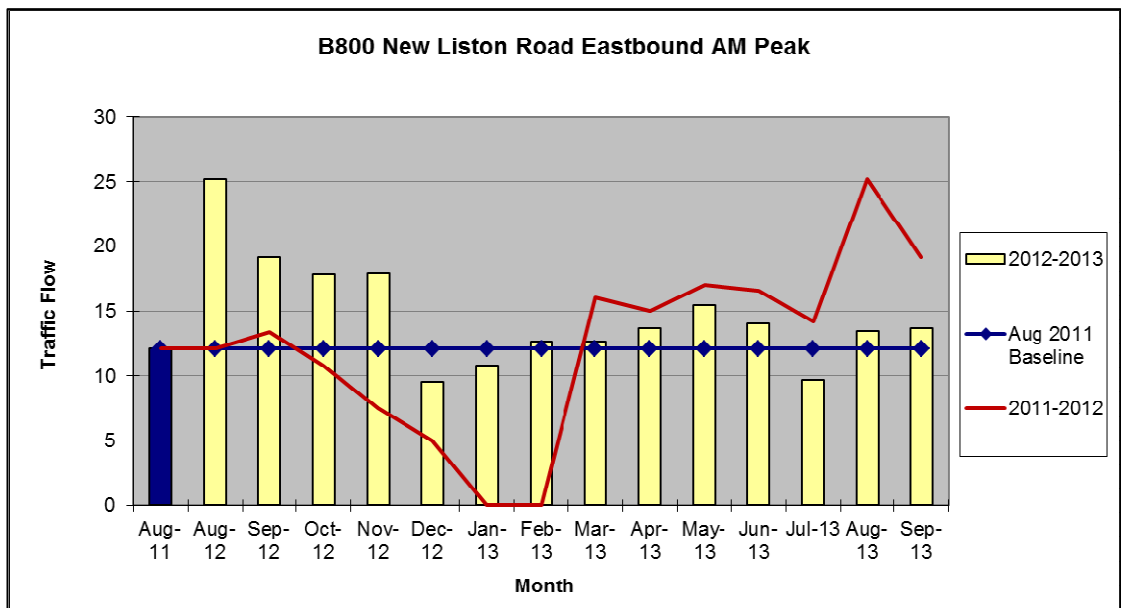


Figure 5-235 Monthly Eastbound AM Peak HGV Flows on the New Liston Road

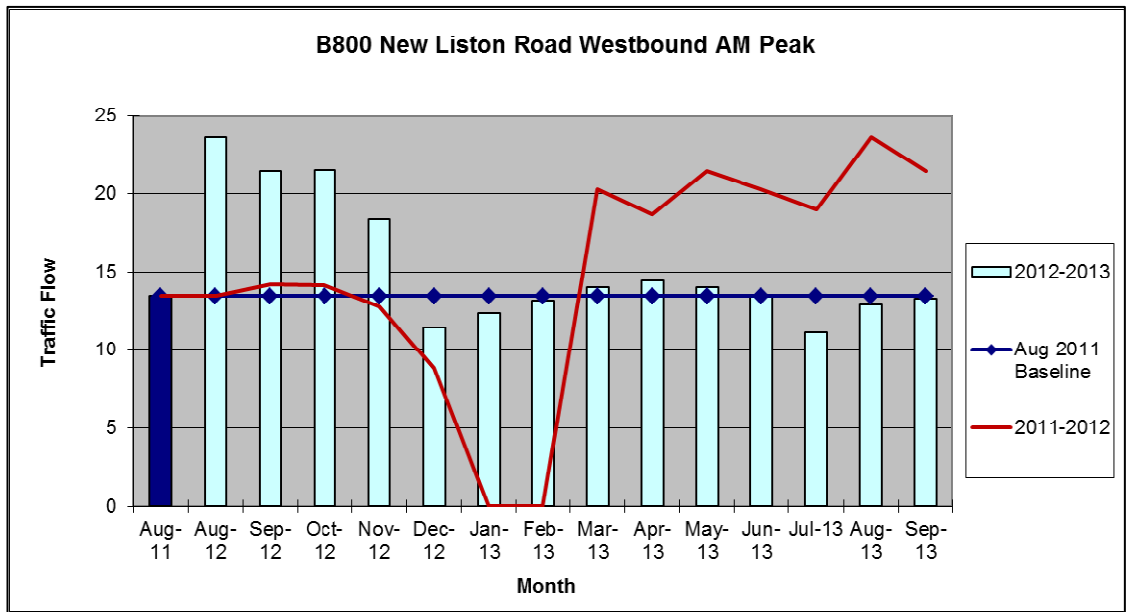


Figure 5-236 Monthly Westbound AM Peak HGV Flows on the New Liston Road

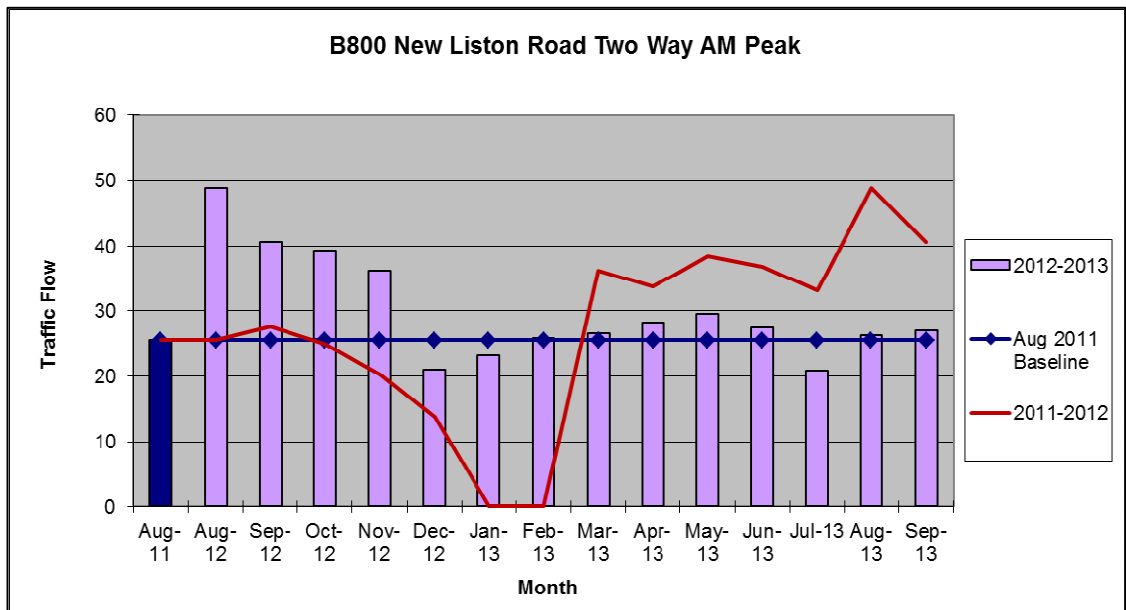


Figure 5-237 Monthly Two Way AM Peak HGV Flows on the New Liston Road

5.13.6 Monthly Average PM Peak HGV Flows

Table 5-90 Site: JTC00601 PM Peak HGV Traffic Flows – August 2012 to September 2013

Counter	Location	Date	EB	WB	Two Way
JTC00601	New Liston Road	Aug-11	16	14	29
		Aug-12	27	24	51
		Sep-12	21	18	39
		Oct-12	22	19	41
		Nov-12	18	15	33
		Dec-12	10	9	20
		Jan-13	11	9	20
		Feb-13	12	11	24
		Mar-13	13	11	24
		Apr-13	13	11	25
		May-13	14	12	26
		Jun-13	13	11	24
		Jul-13	13	10	23
		Aug-13	15	11	26
		Sep-13	13	11	25
<b>Annual Average</b>			<b>16</b>	<b>13</b>	<b>29</b>

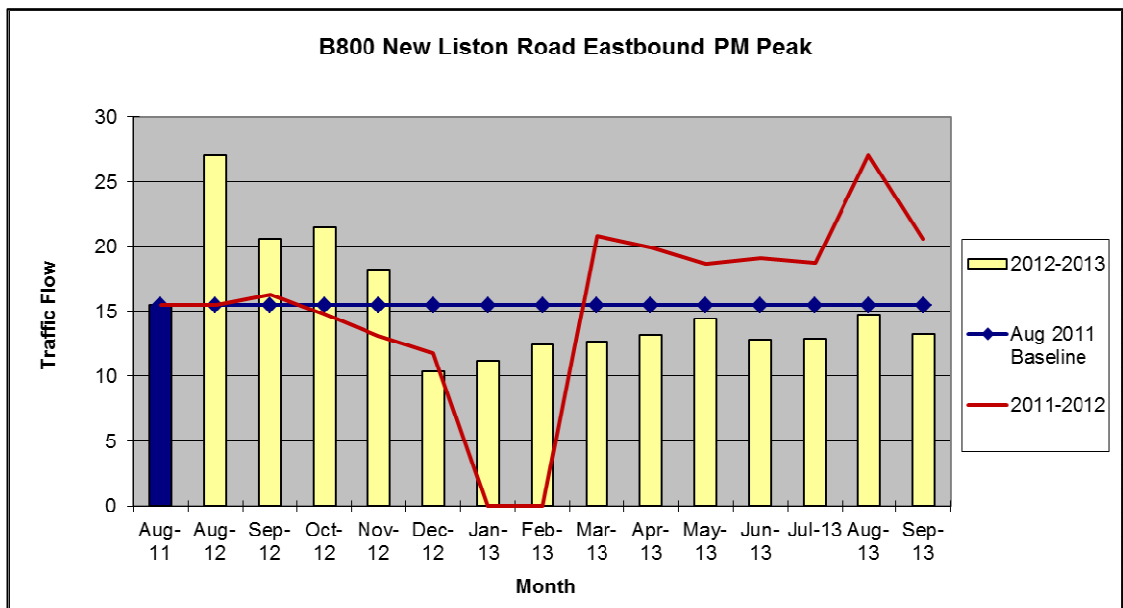


Figure 5-238 Monthly Eastbound PM HGV Peak Flows on the New Liston Road

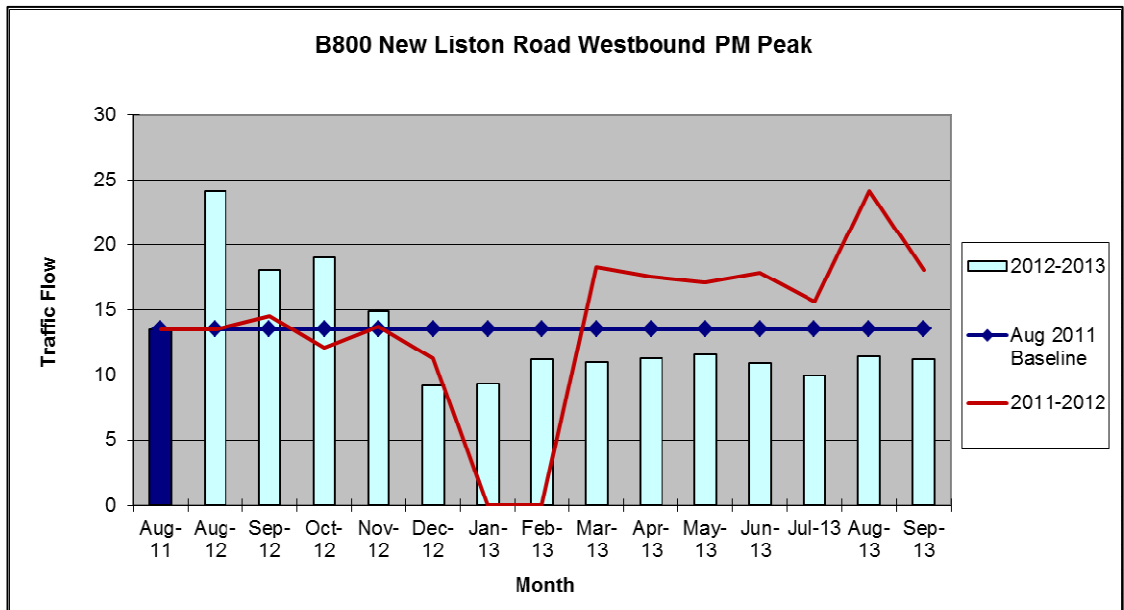


Figure 5-239 Monthly Westbound PM Peak HGV Flows on the New Liston Road

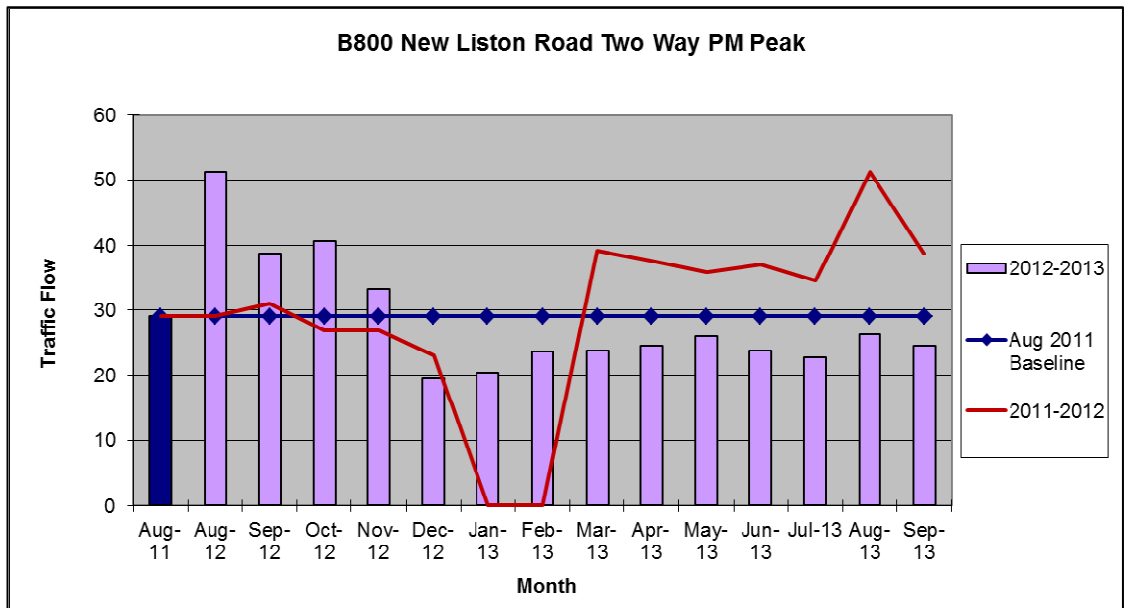


Figure 5-240 Monthly Two Way PM Peak HGV Flows on the New Liston Road

5.13.7 Monthly Average All Vehicles Traffic Speeds

Table 5-91 Site: JTC00601 Average Monthly Traffic Speeds (KPH) (All Vehicles) – August 2012 to September 2013

Counter	Location	Date	EB	WB
JTC00601	New Liston Road	Aug-12	63	61
		Sep-12	63	61
		Oct-12	64	62
		Nov-12	63	62
		Dec-12	63	61
		Jan-13	63	62
		Feb-13	64	62
		Mar-13	64	63
		Apr-13	68	66
		May-13	68	66
		Jun-13	68	65
		Jul-13	68	65
		Aug-13	68	65
		Sep-13	68	66

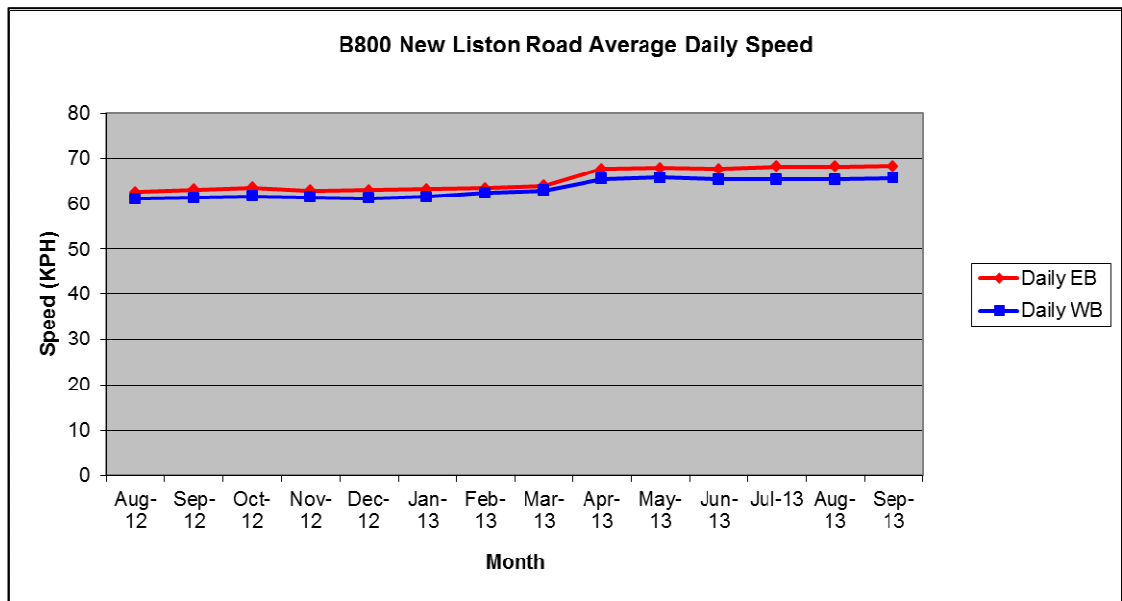


Figure 5-241 Average Monthly Traffic Speeds (KPH) on the New Liston Road

## 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 2012 to September 2013

Counter	Location	Date	NB	SB	Two Way
JTC00603	B907 Kirkliston Road (South Queensferry)	Aug-11	4,479	4,575	9,053
		Aug-12	4,286	4,330	8,616
		Sep-12	4,331	4,429	8,760
		Oct-12	4,162	4,080	8,242
		Nov-12	3,973	3,941	7,913
		Dec-12	No Data	No Data	No Data
		Jan-13	2,648	2,646	5,294
		Feb-13	546	507	1,053
		Mar-13	1,317	1,168	2,485
		Apr-13	940	855	1,795
		May-13	4,106	3,904	8,010
		Jun-13	4,719	4,428	9,147
		Jul-13	4,234	4,366	8,600
		Aug-13	4,514	4,573	9,087
		Sep-13	4,259	4,280	8,540
			<b>Annual Average</b>		<b>3,206</b>

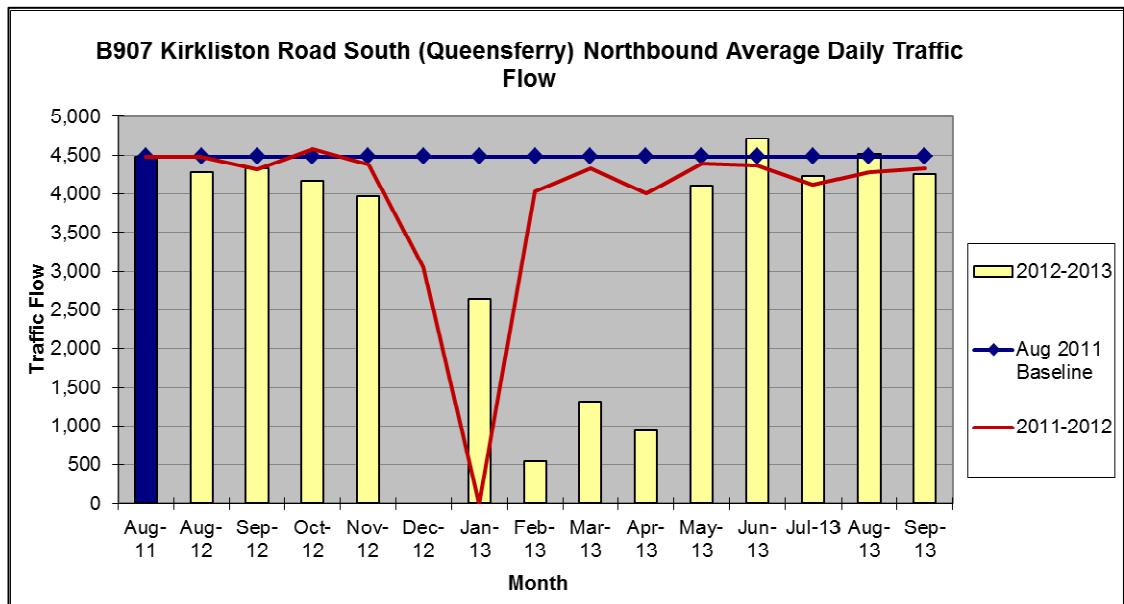


Figure 5-242 Monthly Northbound AADTs on the B907 Kirkliston Road (South Queensferry)

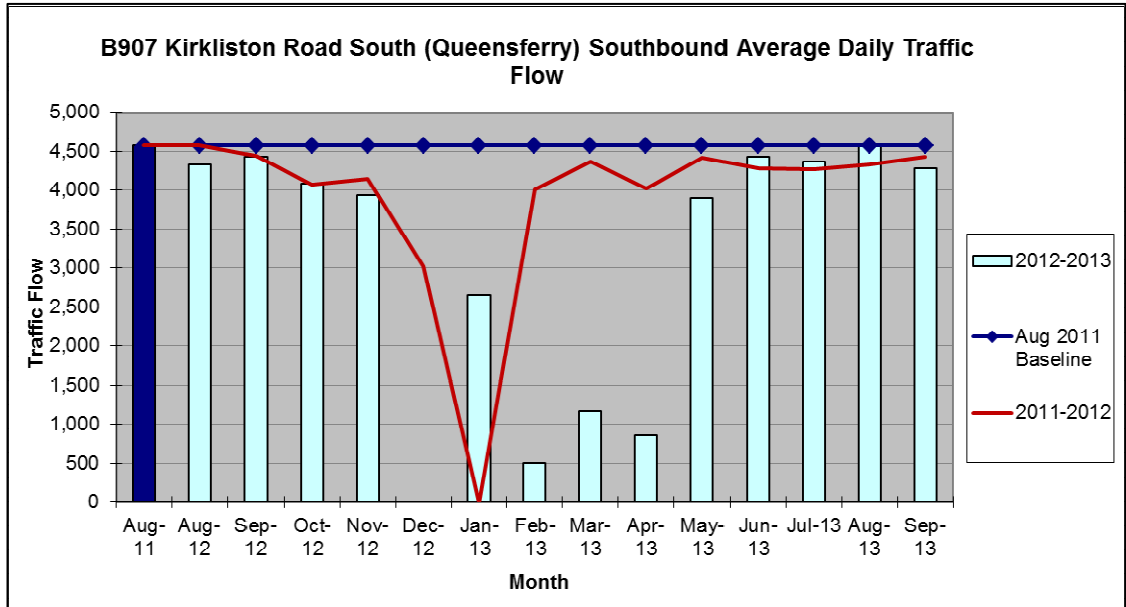


Figure 5-243 Monthly Southbound AADTs on the B907 Kirkliston Road (South Queensferry)

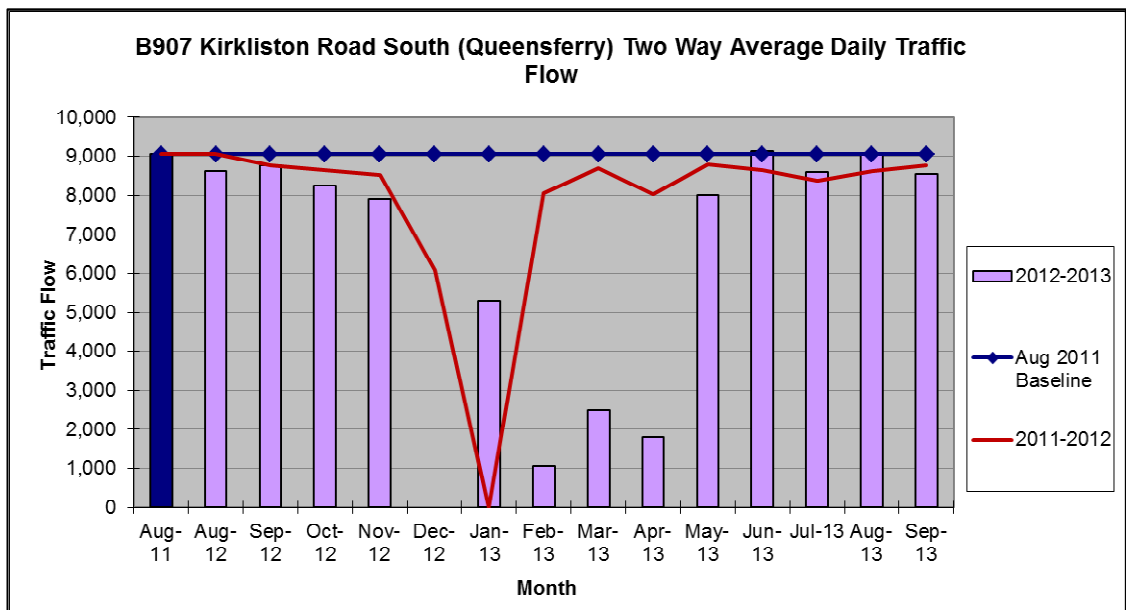


Figure 5-244 Monthly Two Way Daily Traffic Flows on the B907 Kirkliston Road (South Queensferry)

5.14.2 Monthly Average AM Peak Traffic Flows

Table 5-93 Site: JTC00603 AM Peak Traffic Flows – August 2012 to September 2013

Counter	Location	Date	NB	SB	Two Way
JTC00603	B907 Kirkliston Road (South Queensferry)	Aug-11	627	619	1,247
		Aug-12	536	558	1,094
		Sep-12	616	628	1,244
		Oct-12	580	584	1,163
		Nov-12	451	469	920
		Dec-12	No Data	No Data	No Data
		Jan-13	147	151	297
		Feb-13	0	0	0
		Mar-13	128	117	244
		Apr-13	181	169	349
		May-13	601	572	1,173
		Jun-13	684	616	1,300
		Jul-13	569	557	1,126
		Aug-13	651	644	1,295
		Sep-13	643	637	1,280
		<b>Annual Average</b>	<b>449</b>	<b>442</b>	<b>891</b>

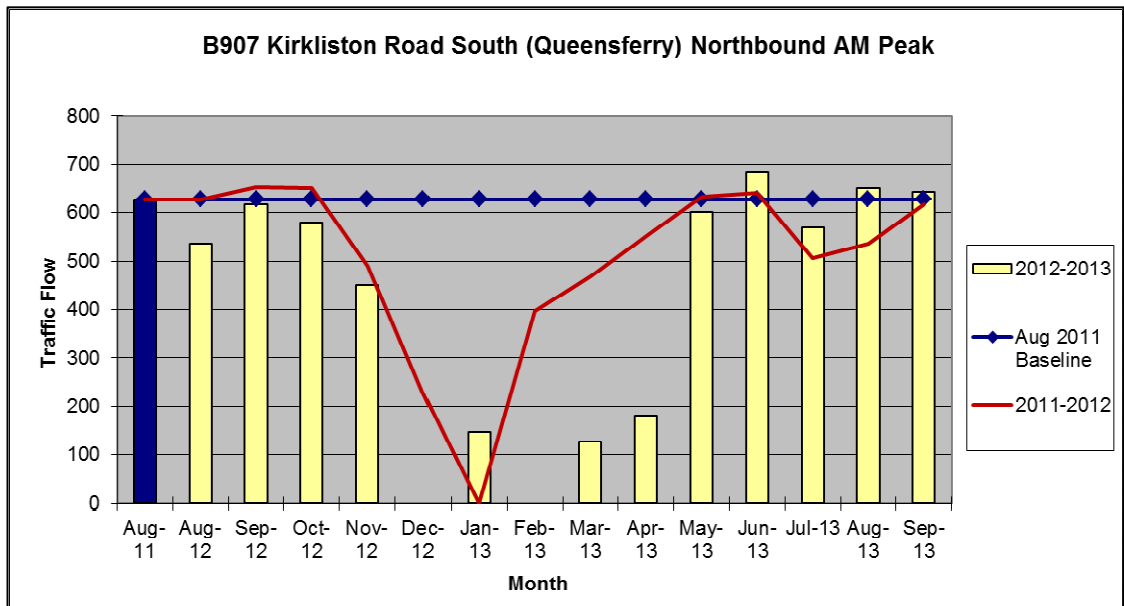


Figure 5-245 Monthly Northbound AM Peak Flows on the B907 Kirkliston Road (South Queensferry)



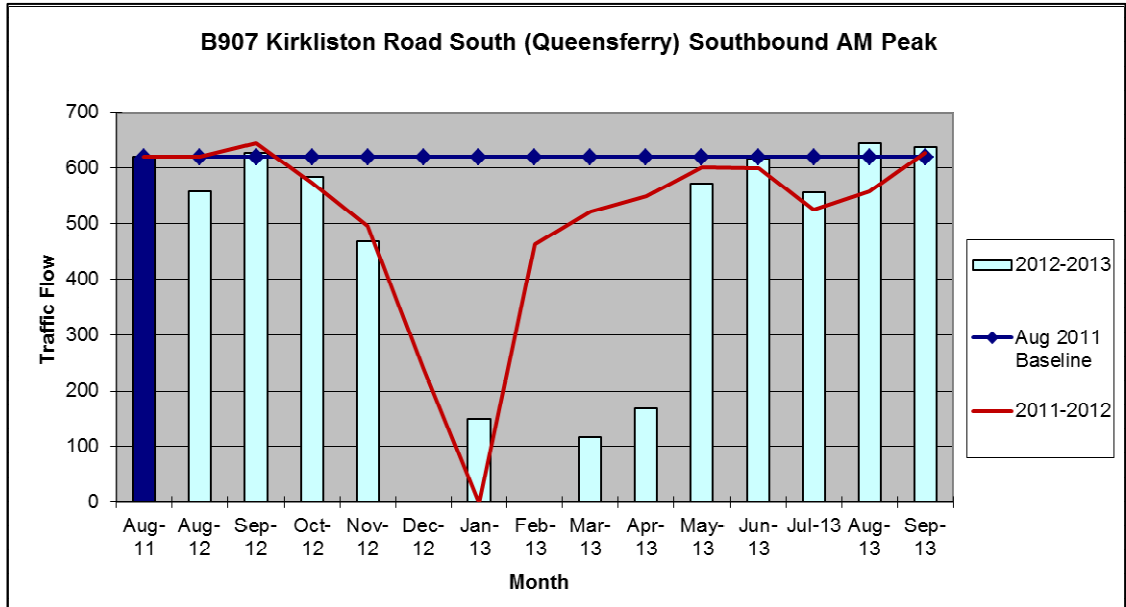


Figure 5-246 Monthly Southbound AM Peak Flows on the B907 Kirkliston Road (South Queensferry)

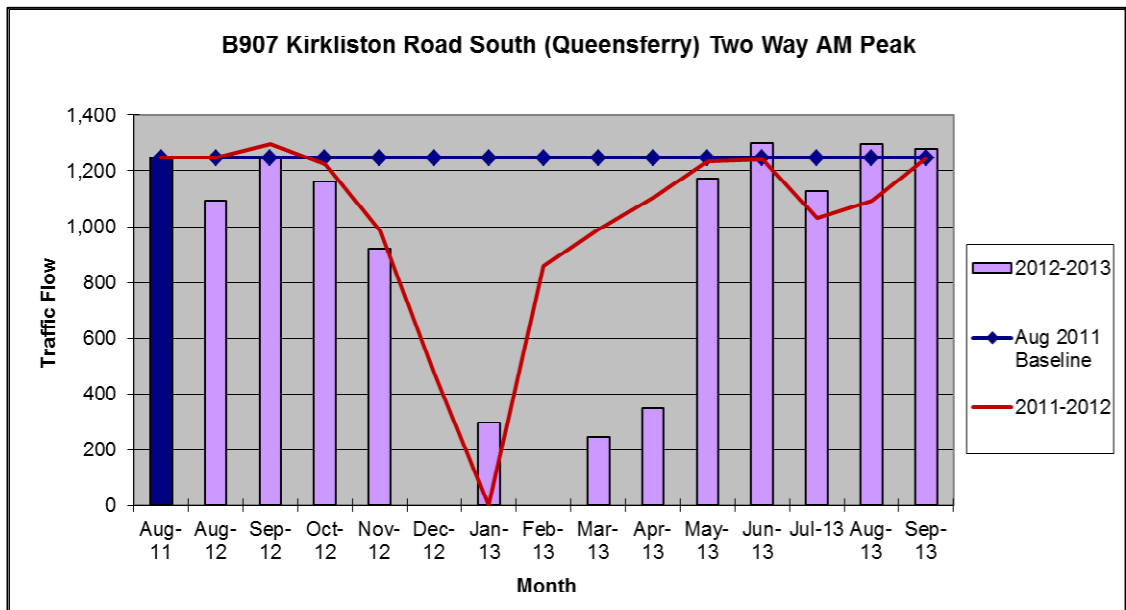


Figure 5-247 Monthly Two Way AM Peak Flows on the B907 Kirkliston Road (South Queensferry)

### 5.14.3 Monthly Average PM Peak Traffic Flows

Table 5-94 Site: JTC00603 PM Peak Traffic Flows – August 2012 to September 2013

Counter	Location	Date	NB	SB	Two Way
JTC00603	B907 Kirkliston Road (South Queensferry)	Aug-11	1,074	1,158	2,232
		Aug-12	1,067	1,105	2,172
		Sep-12	1,029	1,122	2,152
		Oct-12	985	1,039	2,024
		Nov-12	892	1,024	1,917
		Dec-12	No Data	No Data	No Data
		Jan-13	545	597	1,141
		Feb-13	0	0	0
		Mar-13	0	0	0
		Apr-13	0	0	0
		May-13	954	958	1,912
		Jun-13	1,087	1,117	2,204
		Jul-13	1,004	1,068	2,073
		Aug-13	1,073	1,126	2,199
		Sep-13	1,016	1,076	2,092
	<b>Annual Average</b>	<b>945</b>	<b>1,004</b>	<b>1,949</b>	

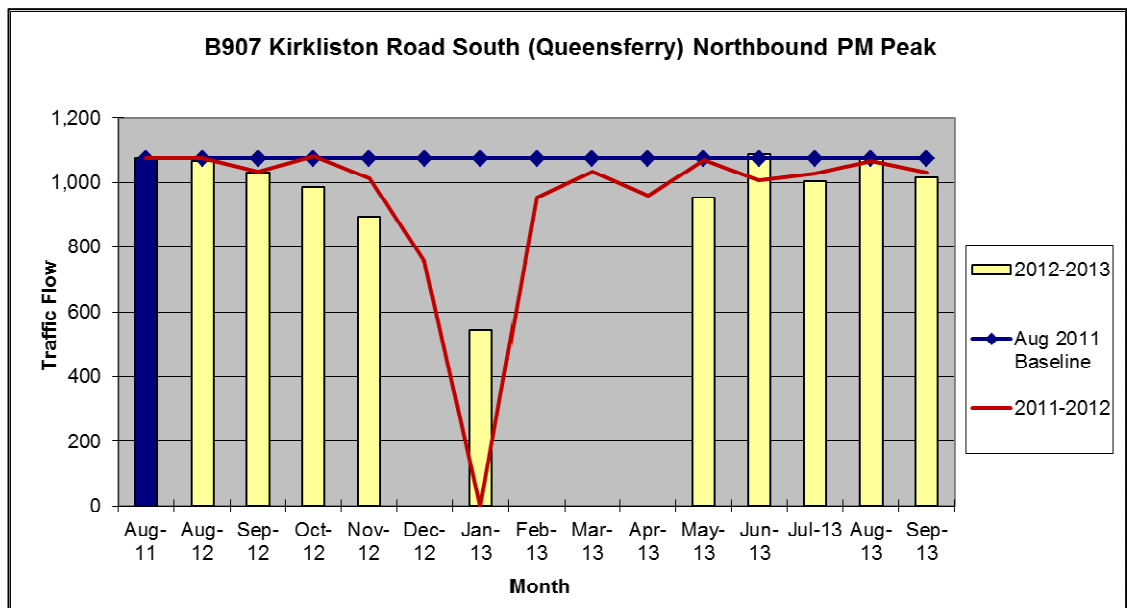


Figure 5-248 Monthly Northbound PM Peak Flows on the B907 Kirkliston Road (South Queensferry)

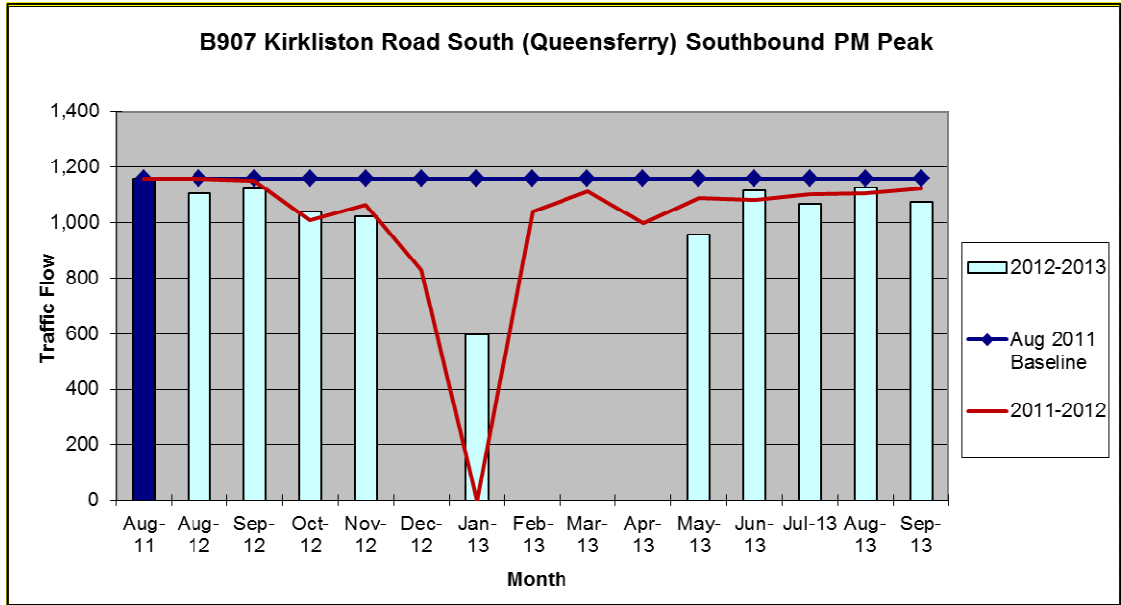


Figure 5-249 Monthly Southbound PM Peak Flows on the B907 Kirkliston Road (South Queensferry)

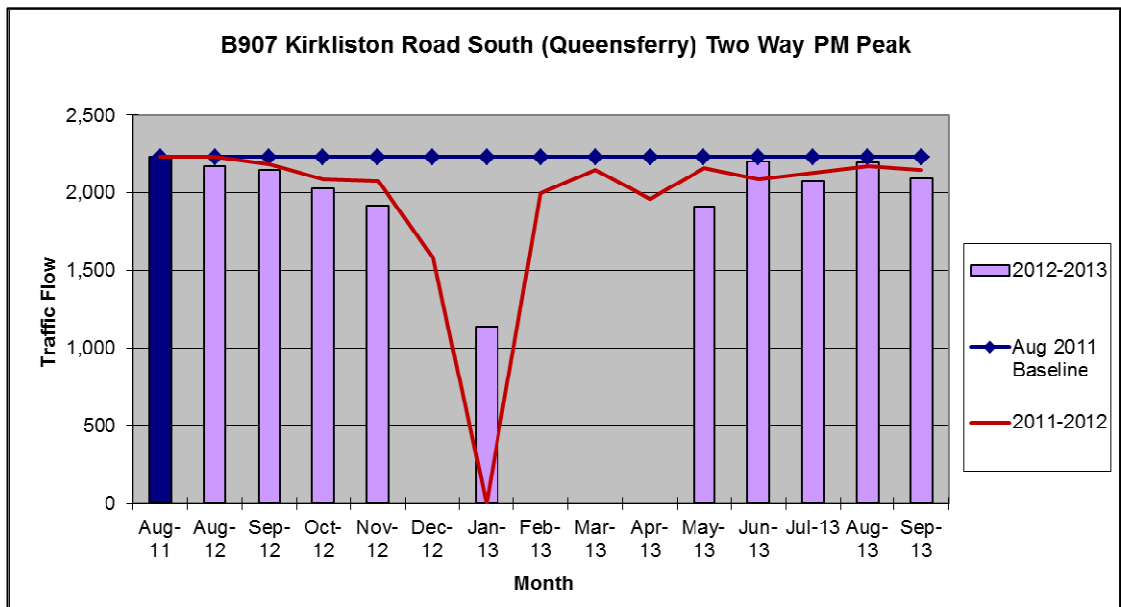


Figure 5-250 Monthly Two Way PM Peak Flows on the B907 Kirkliston Road (South Queensferry)

### 5.14.4 Monthly Average HGV Flows

Table 5-95 Site: JTC00603 Annual HGV Traffic Flows – August 2012 to September 2013

Counter	Location	Date	NB	SB	Two Way
JTC00603	B907 Kirkliston Road (South Queensferry)	Aug-11	26	33	59
		Aug-12	19	30	49
		Sep-12	17	27	45
		Oct-12	19	27	46
		Nov-12	18	23	41
		Dec-12	No Data	No Data	No Data
		Jan-13	13	16	28
		Feb-13	2	3	5
		Mar-13	8	9	17
		Apr-13	4	5	9
		May-13	20	21	41
		Jun-13	24	26	50
		Jul-13	17	29	46
		Aug-13	24	30	54
		Sep-13	22	28	50
<b>Annual Average</b>			<b>15</b>	<b>20</b>	<b>34</b>

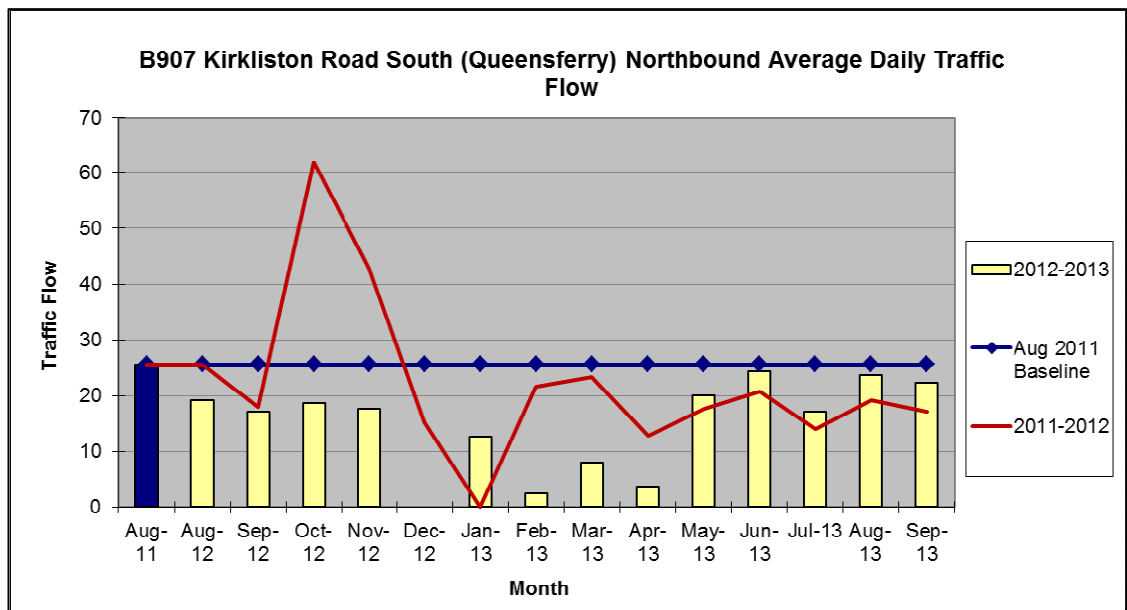


Figure 5-251 Monthly Eastbound HGV Flows on the B907 Kirkliston Road (South Queensferry)

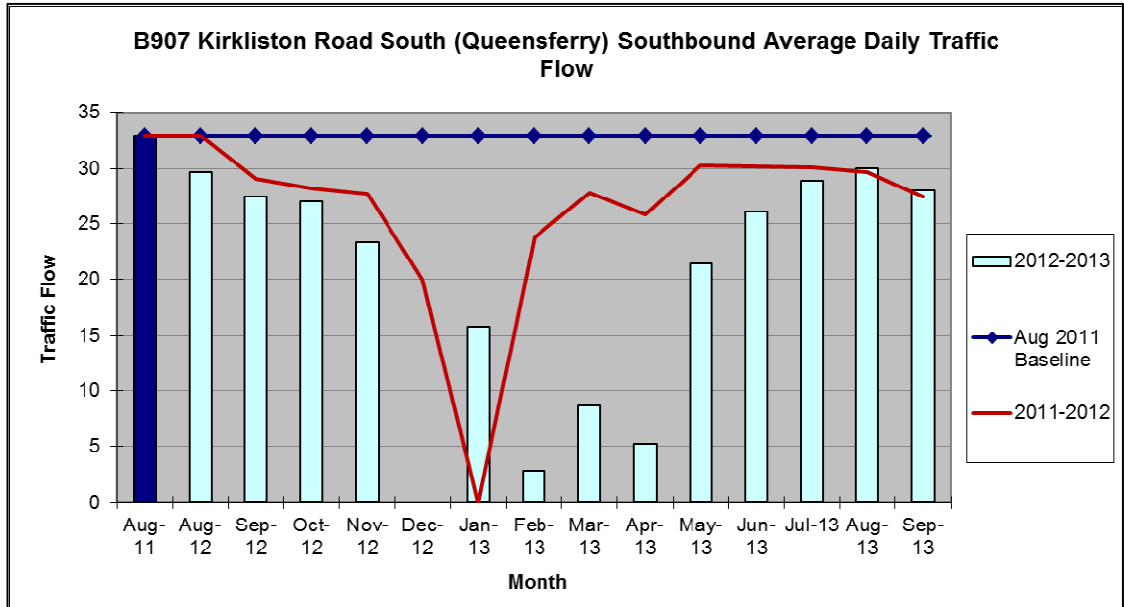


Figure 5-252 Monthly Westbound HGV Flows on the B907 Kirkliston Road (South Queensferry)

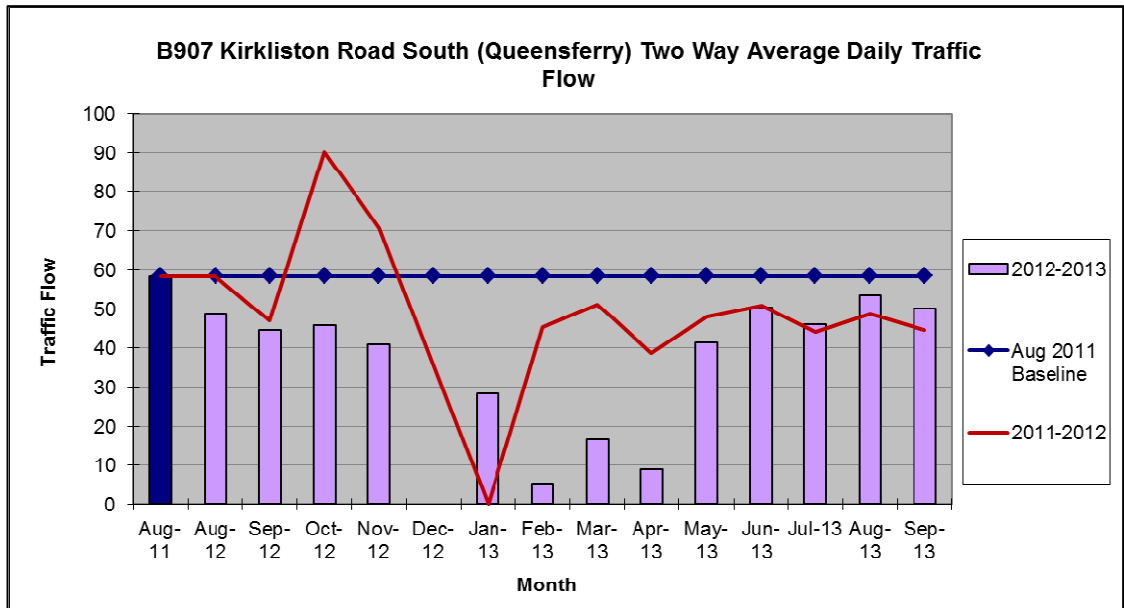


Figure 5-253 Monthly Two Way HGV Flows on the B907 Kirkliston Road (South Queensferry)

5.14.5 Monthly Average AM Peak HGV Flows

Table 5-96 Site: JTC00603 AM Peak HGV Traffic Flows – August 2012 to September 2013

Counter	Location	Date	NB	SB	Two Way
JTC00603	B907 Kirkliston Road (South Queensferry)	Aug-11	7	6	14
		Aug-12	4	5	9
		Sep-12	6	5	11
		Oct-12	5	5	10
		Nov-12	4	3	8
		Dec-12	No Data	No Data	No Data
		Jan-13	2	1	2
		Feb-13	0	0	0
		Mar-13	2	1	2
		Apr-13	1	2	3
		May-13	5	3	8
		Jun-13	6	4	10
		Jul-13	4	5	9
		Aug-13	6	5	12
		Sep-13	6	6	12
		<b>Annual Average</b>	<b>4</b>	<b>3</b>	<b>7</b>

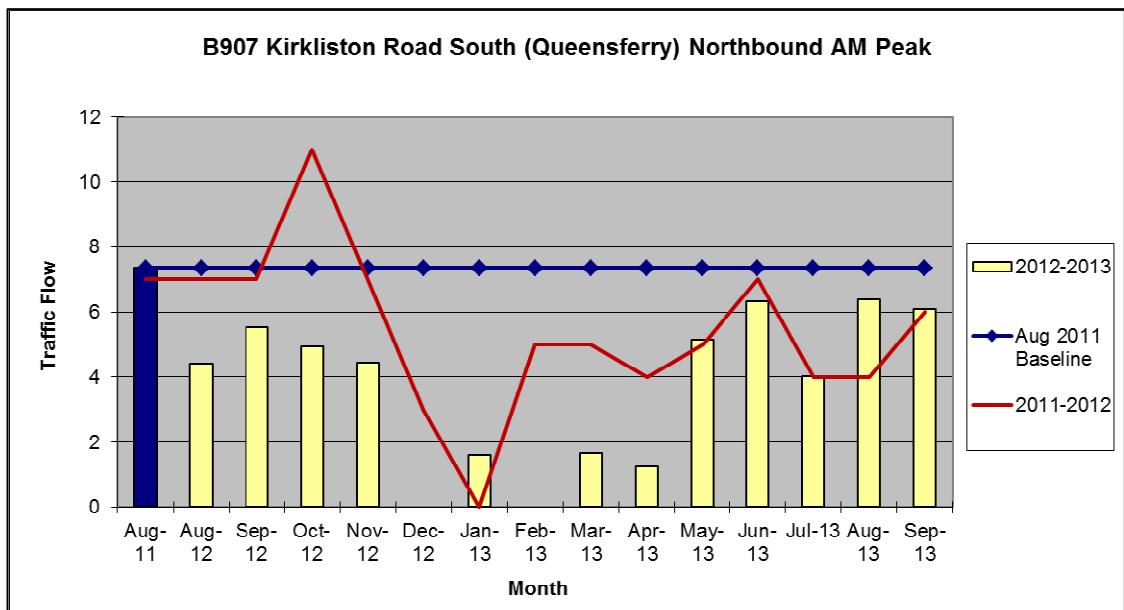


Figure 5-254 Monthly Eastbound AM Peak HGV Flows on the B907 Kirkliston Road (South Queensferry)

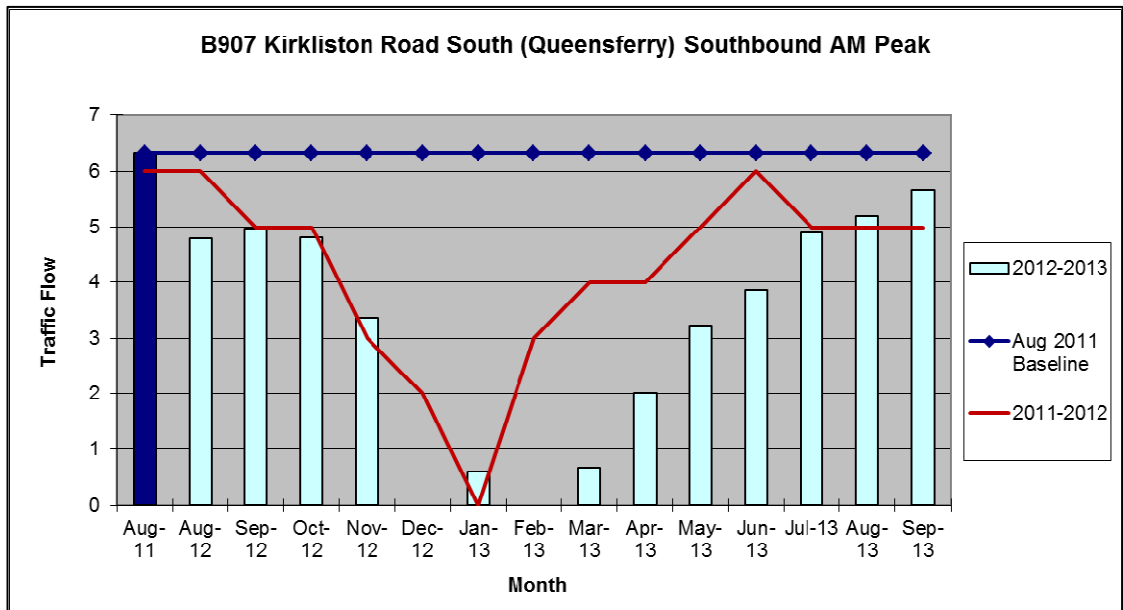


Figure 5-255 Monthly Westbound AM Peak HGV Flows on the B907 Kirkliston Road (South Queensferry)

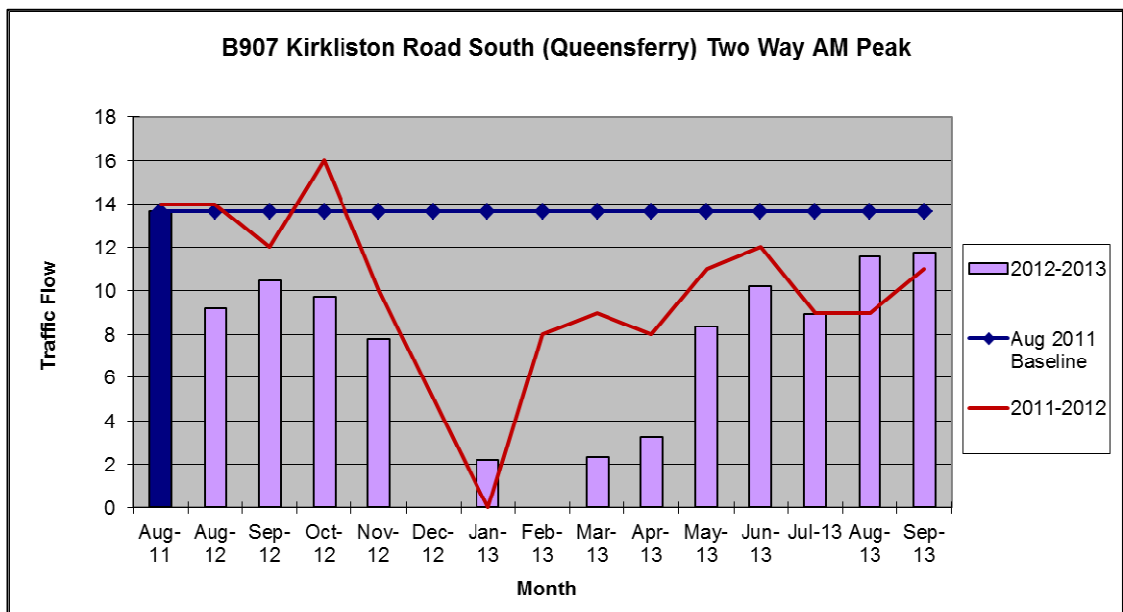


Figure 5-256 Monthly Two Way AM Peak HGV Flows on the B907 Kirkliston Road (South Queensferry)

5.14.6 Monthly Average PM Peak HGV Flows

Table 5-97 Site: JTC00603 PM Peak HGV Traffic Flows – August 2012 to September 2013

Counter	Location	Date	NB	SB	Two Way
JTC00603	B907 Kirkliston Road (South Queensferry)	Aug-11	5	8	13
		Aug-12	5	9	13
		Sep-12	3	7	10
		Oct-12	3	7	9
		Nov-12	4	6	10
		Dec-12	No Data	No Data	No Data
		Jan-13	3	3	6
		Feb-13	0	0	0
		Mar-13	0	0	0
		Apr-13	0	0	0
		May-13	3	5	8
		Jun-13	4	7	12
		Jul-13	4	7	12
		Aug-13	5	8	13
		Sep-13	4	7	11
	<b>Annual Average</b>		<b>3</b>	<b>6</b>	<b>10</b>

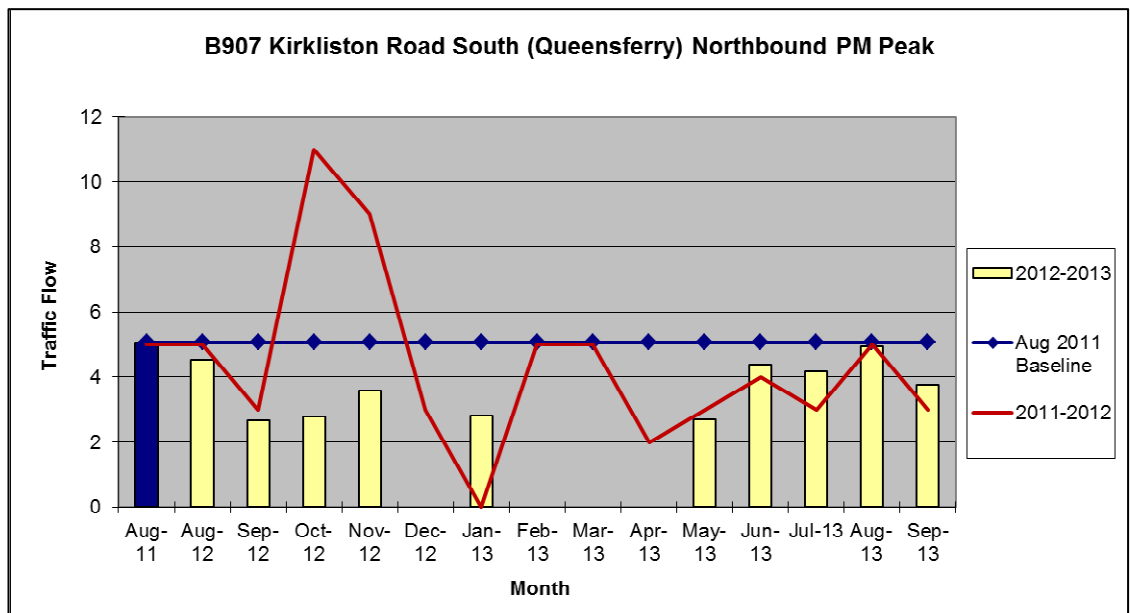


Figure 5-257 Monthly Eastbound PM HGV Peak Flows on the B907 Kirkliston Road (South Queensferry)



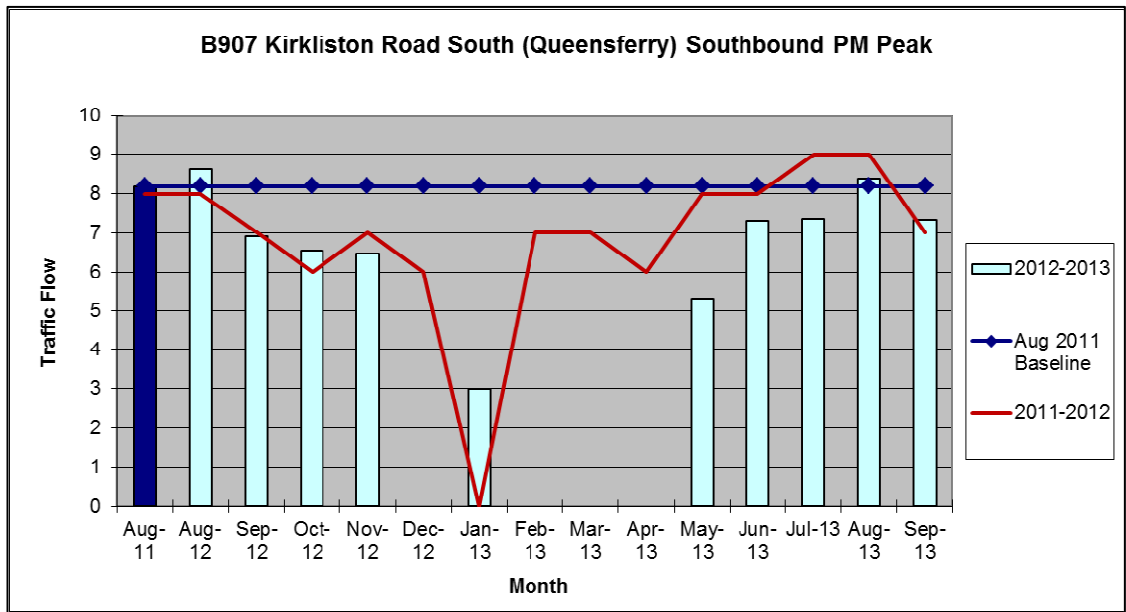


Figure 5-258 Monthly Westbound PM Peak HGV Flows on the B907 Kirkliston Road (South Queensferry)

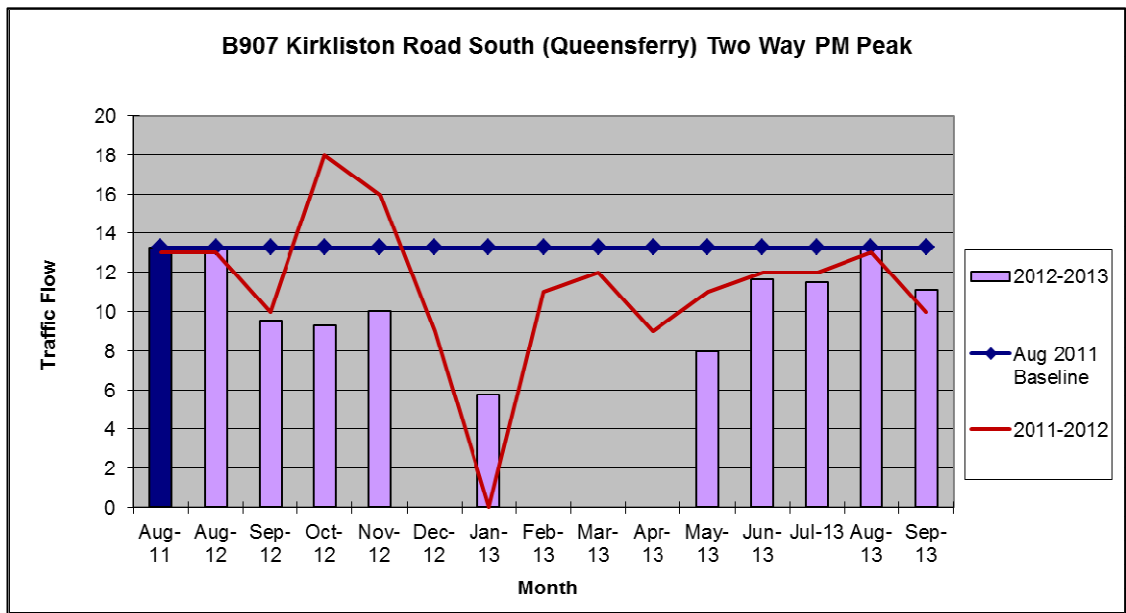


Figure 5-259 Monthly Two Way PM Peak HGV Flows on the B907 Kirkliston Road (South Queensferry)

5.14.7 Monthly Average All Vehicles Traffic Speeds

Table 5-98 Site: JTC00603 Average Monthly Traffic Speeds (KPH) (All Vehicles) – August 2012 to September 2013

Counter	Location	Date	NB	SB
JTC00603	B907 Kirkliston Road (South Queensferry)	Aug-12	44	45
		Sep-12	45	45
		Oct-12	45	45
		Nov-12	45	44
		Dec-12	No Data	No Data
		Jan-13	45	45
		Feb-13	No Data	No Data
		Mar-13	No Data	No Data
		Apr-13	No Data	No Data
		May-13	44	44
		Jun-13	44	44
		Jul-13	46	46
		Aug-13	45	44
		Sep-13	45	44

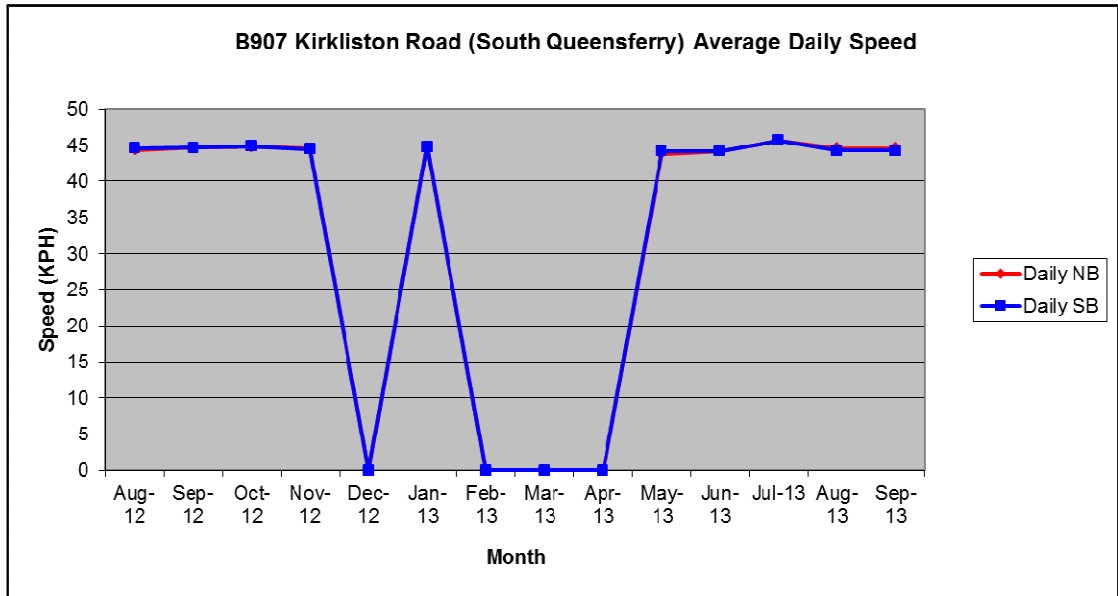


Figure 5-260 Average Monthly Traffic Speeds (KPH) on the B907 Kirkliston Road (South Queensferry)

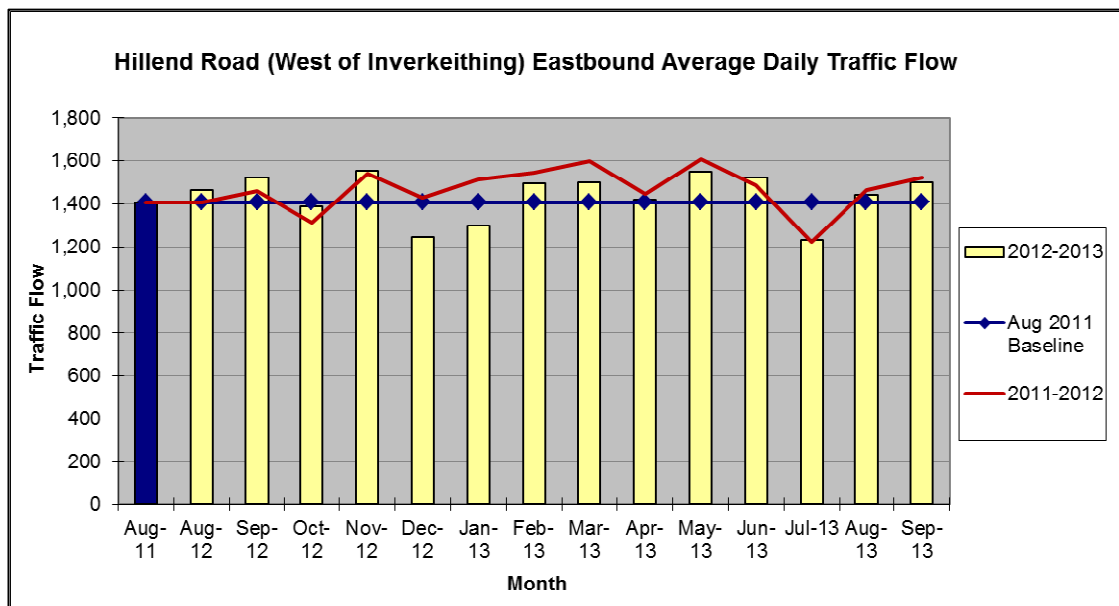
**6 Other Roads – Automatic Traffic Counter Data**

**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 2012 to September 2013*

Counter	Location	Date	EB	WB	Two Way
JTC00392	Hillend Road (West of Inverkeithing)	Aug-11	1,407	1,074	2,481
		Aug-12	1,463	1,187	2,650
		Sep-12	1,525	1,262	2,787
		Oct-12	1,389	1,134	2,523
		Nov-12	1,553	1,262	2,815
		Dec-12	1,244	1,007	2,252
		Jan-13	1,301	1,055	2,355
		Feb-13	1,494	1,220	2,714
		Mar-13	1,502	1,232	2,734
		Apr-13	1,420	1,162	2,582
		May-13	1,549	1,241	2,791
		Jun-13	1,525	1,207	2,732
		Jul-13	1,235	987	2,221
		Aug-13	1,442	1,131	2,573
		Sep-13	1,503	1,199	2,702
<b>Annual Average</b>			<b>1,433</b>	<b>1,163</b>	<b>2,596</b>



**Figure 6-1 Monthly Eastbound AADTs on the Hillend Road (West of Inverkeithing)**

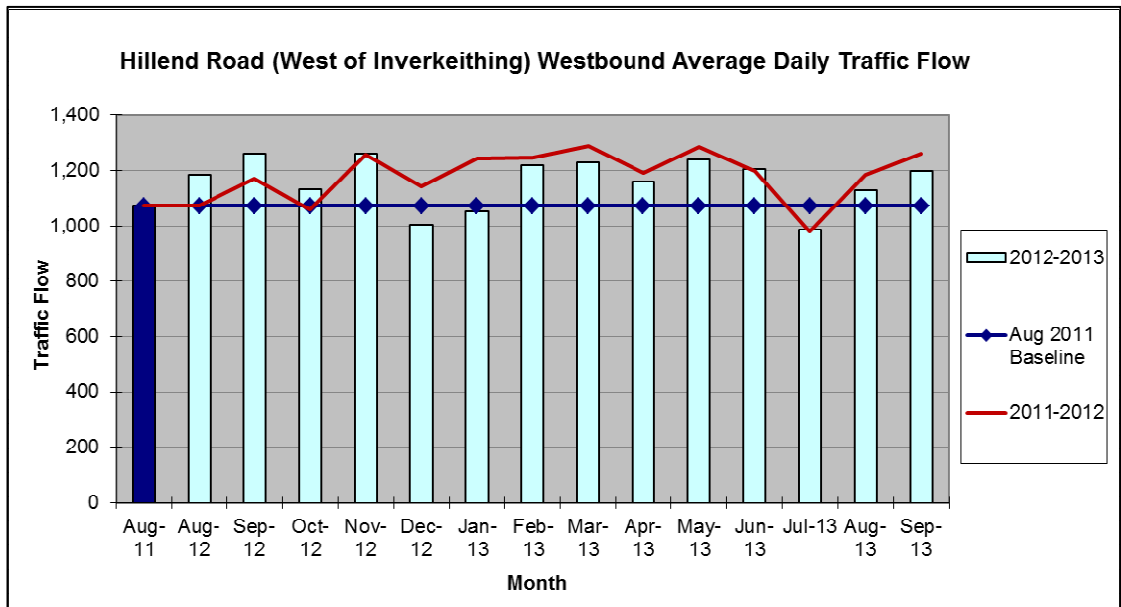


Figure 6-2 Monthly Westbound AADTs on the Hillend Road (West of Inverkeithing)

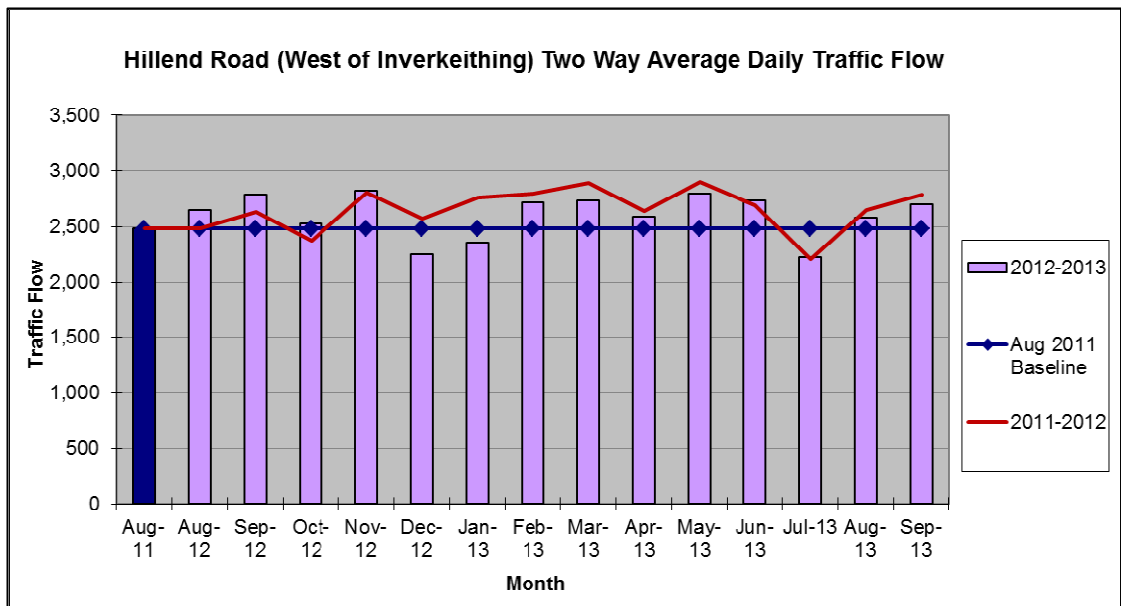


Figure 6-3 Monthly Two Way Daily Traffic Flows on the Hillend Road (West of Inverkeithing)

### 6.1.2 Monthly Average AM Peak Traffic Flows

Table 6-2 Site: JTC00392 AM Peak Traffic Flows – August 2012 to September 2013

Counter	Location	Date	EB	WB	Two Way
JTC00392	Hillend Road (West of Inverkeithing)	Aug-11	240	171	411
		Aug-12	255	210	465
		Sep-12	297	243	540
		Oct-12	252	220	472
		Nov-12	314	269	582
		Dec-12	218	174	392
		Jan-13	252	206	459
		Feb-13	296	232	529
		Mar-13	298	238	536
		Apr-13	256	207	463
		May-13	293	230	524
		Jun-13	282	209	490
		Jul-13	177	145	322
		Aug-13	247	181	428
		Sep-13	298	226	524
<b>Annual Average</b>			<b>266</b>	<b>215</b>	<b>481</b>

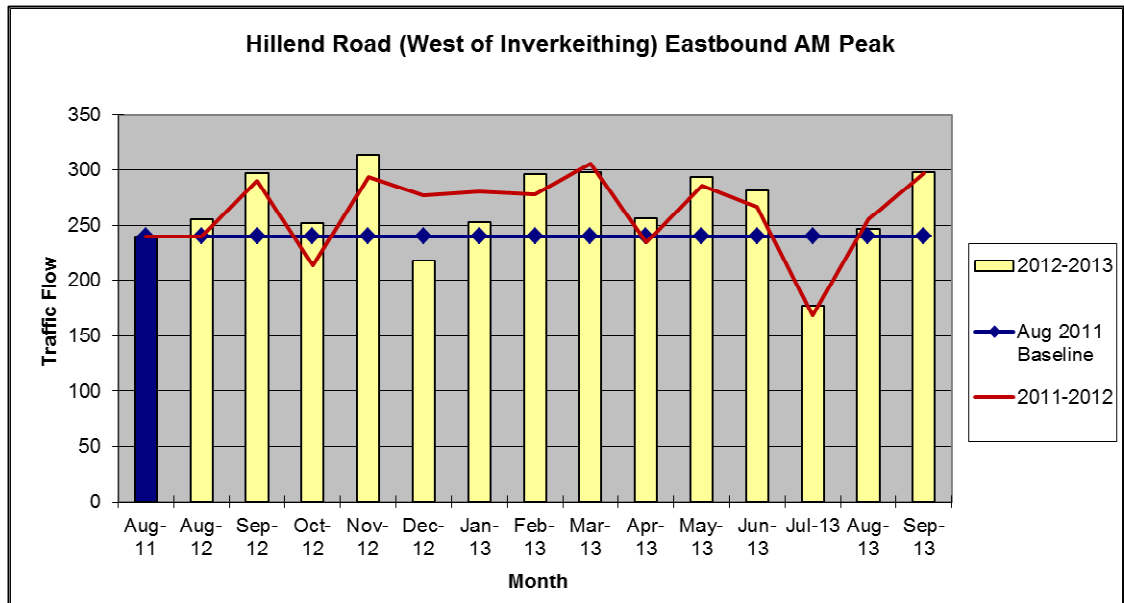


Figure 6-4 Monthly Eastbound AM Peak Flows on the Hillend Road (West of Inverkeithing)

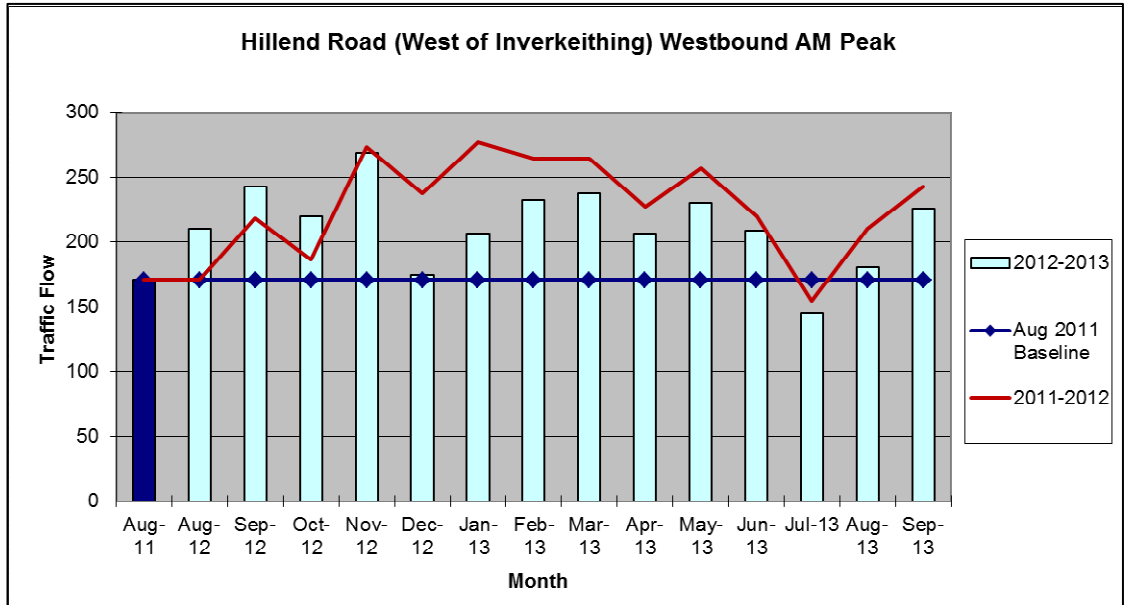


Figure 6-5 Monthly Westbound AM Peak Flows on the Hillend Road (West of Inverkeithing)

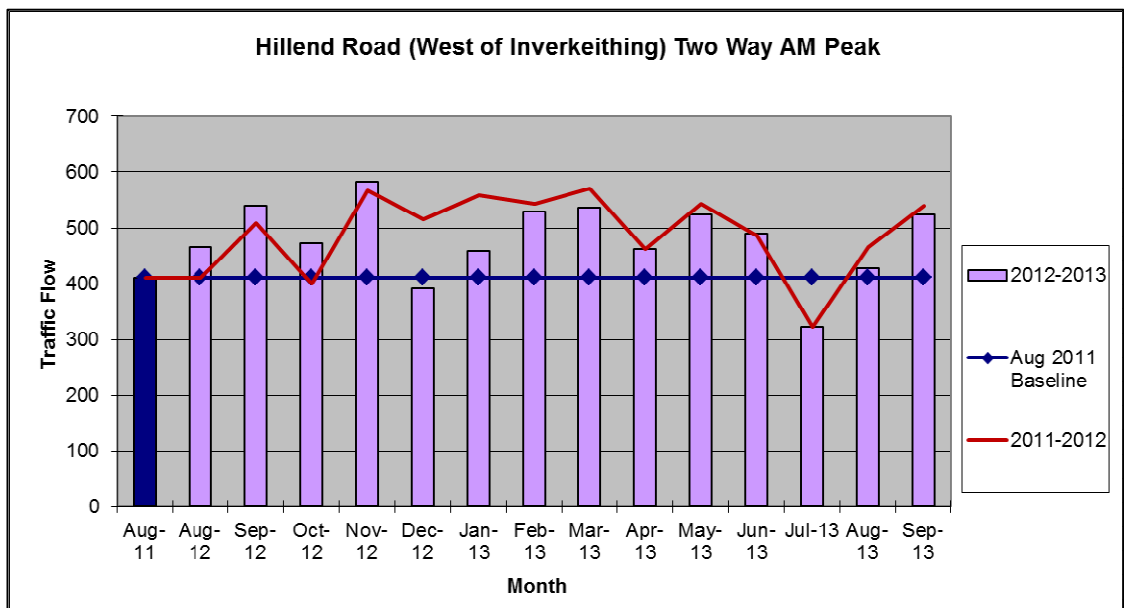


Figure 6-6 Monthly Two Way AM Peak Flows on the Hillend Road (West of Inverkeithing)

### 6.1.3 Monthly Average PM Peak Traffic Flows

Table 6-3 Site: JTC00392 PM Peak Traffic Flows – August 2012 to September 2013

Counter	Location	Date	EB	WB	Two Way
JTC00392	Hillend Road (West of Inverkeithing)	Aug-11	382	257	639
		Aug-12	413	292	705
		Sep-12	430	304	735
		Oct-12	405	275	680
		Nov-12	448	299	747
		Dec-12	324	230	553
		Jan-13	377	248	624
		Feb-13	438	299	737
		Mar-13	433	297	730
		Apr-13	406	275	681
		May-13	446	301	748
		Jun-13	423	290	713
		Jul-13	365	238	603
		Aug-13	411	277	688
		Sep-13	434	306	739
<b>Annual Average</b>			<b>409</b>	<b>279</b>	<b>688</b>

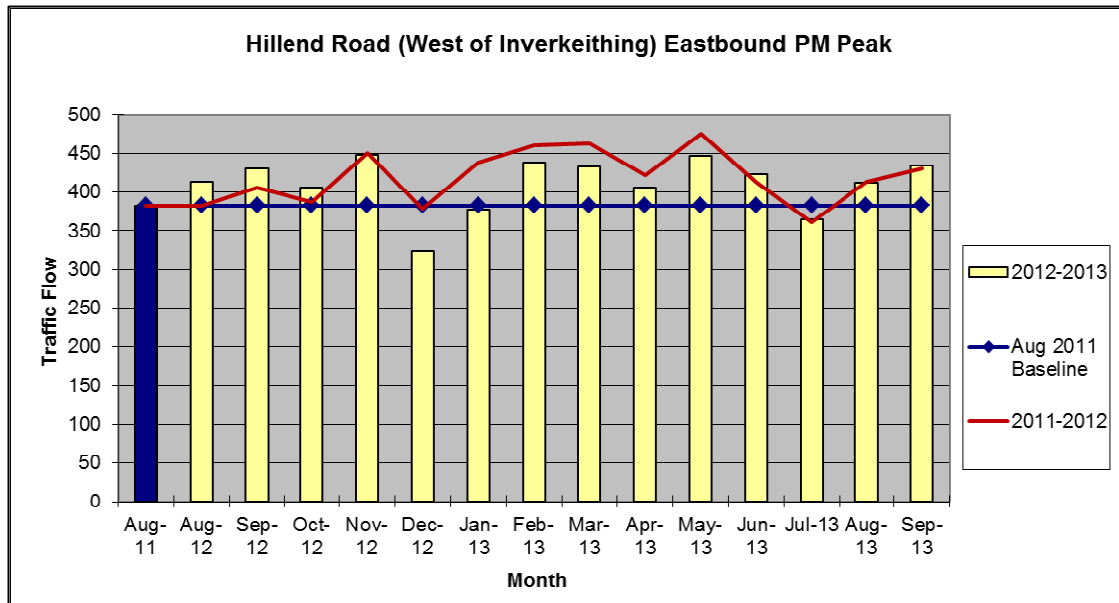


Figure 6-7 Monthly Eastbound PM Peak Flows on the Hillend Road (West of Inverkeithing)

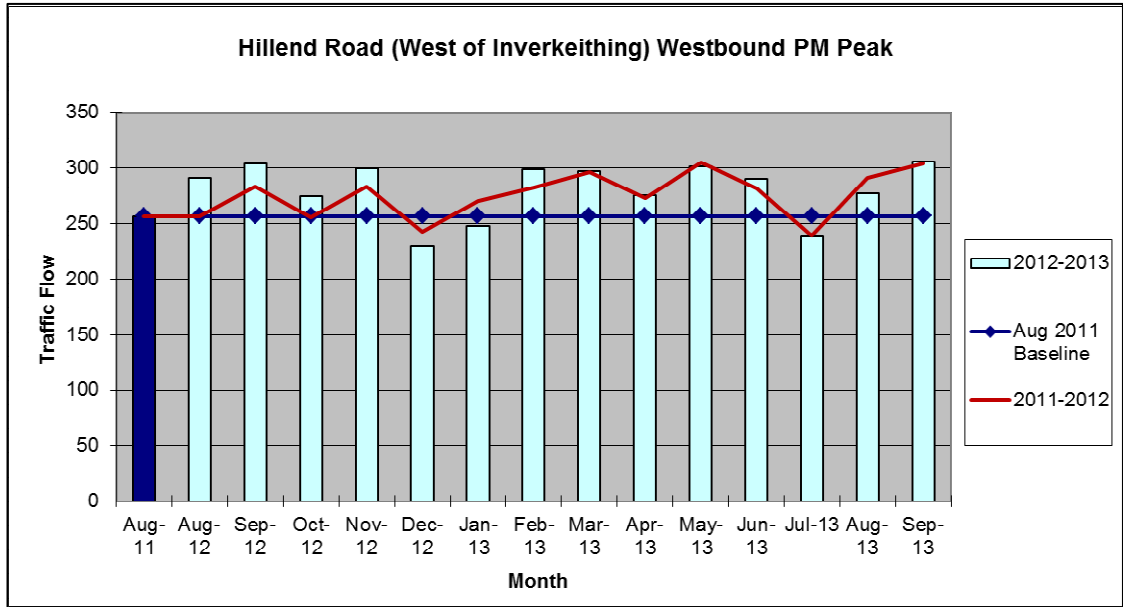


Figure 6-8 Monthly Westbound PM Peak Flows on the Hillend Road (West of Inverkeithing)

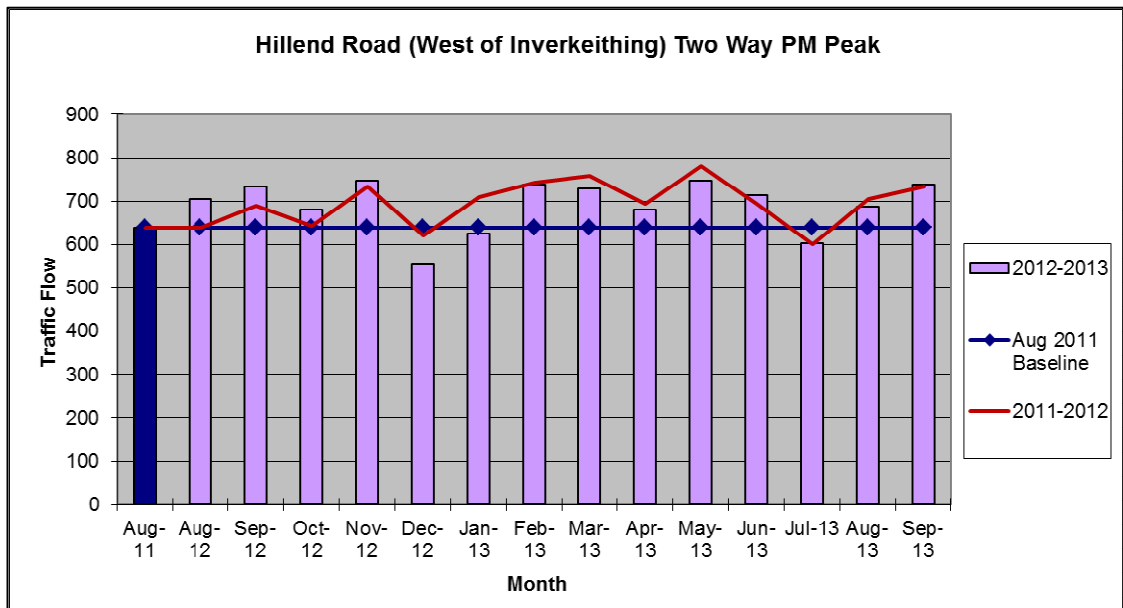


Figure 6-9 Monthly Two Way PM Peak Flows on the Hillend Road (West of Inverkeithing)



### 6.1.4 Monthly Average HGV Flows

Table 6-4 Site: JTC00392 Annual HGV Traffic Flows – August 2012 to September 2013

Counter	Location	Date	EB	WB	Two Way
JTC00392	Hillend Road (West of Inverkeithing)	Aug-11	34	48	82
		Aug-12	24	43	67
		Sep-12	28	47	75
		Oct-12	35	47	82
		Nov-12	36	50	86
		Dec-12	29	43	72
		Jan-13	28	48	77
		Feb-13	33	48	81
		Mar-13	34	48	82
		Apr-13	32	45	77
		May-13	32	46	78
		Jun-13	30	46	76
		Jul-13	22	36	58
		Aug-13	27	40	67
		Sep-13	29	42	72
<b>Annual Average</b>			<b>30</b>	<b>46</b>	<b>76</b>

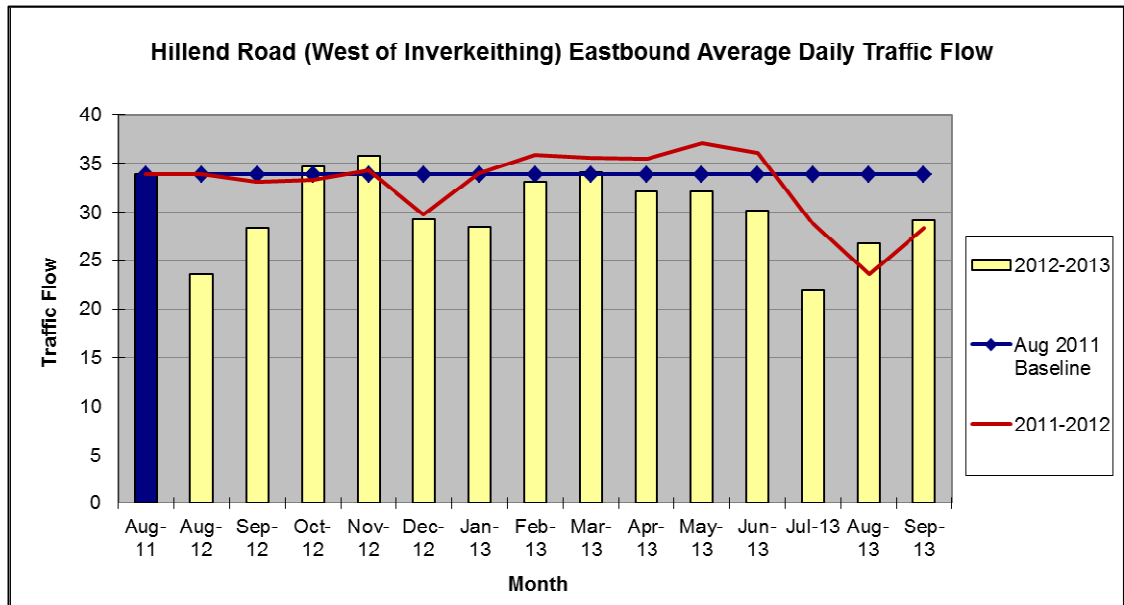


Figure 6-10 Monthly Eastbound HGV Flows on the Hillend Road (West of Inverkeithing)

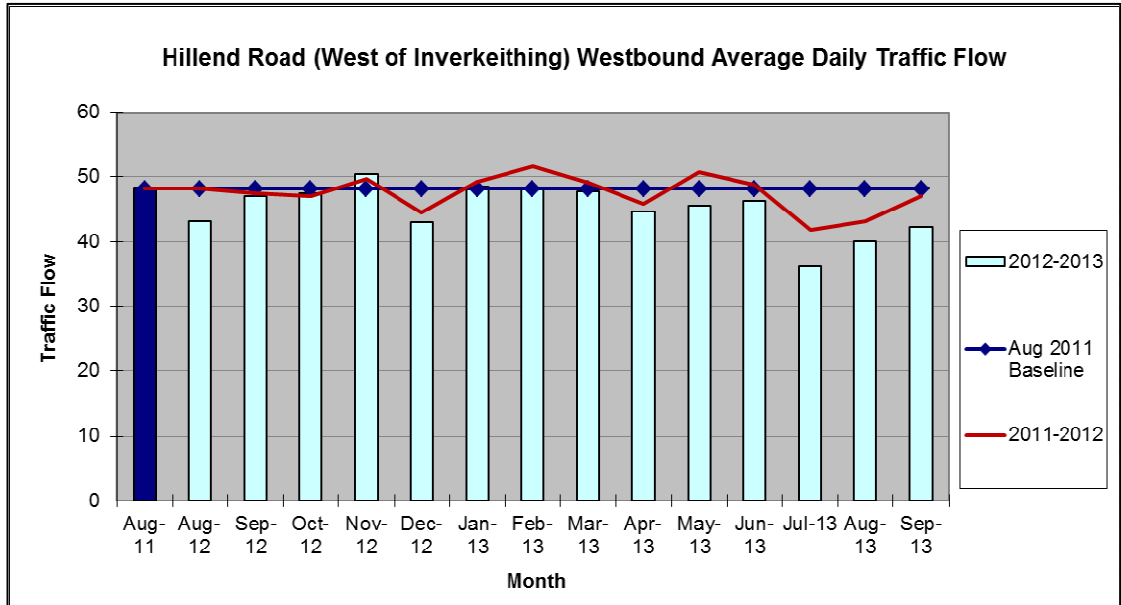


Figure 6-11 Monthly Westbound HGV Flows on the Hillend Road (West of Inverkeithing)

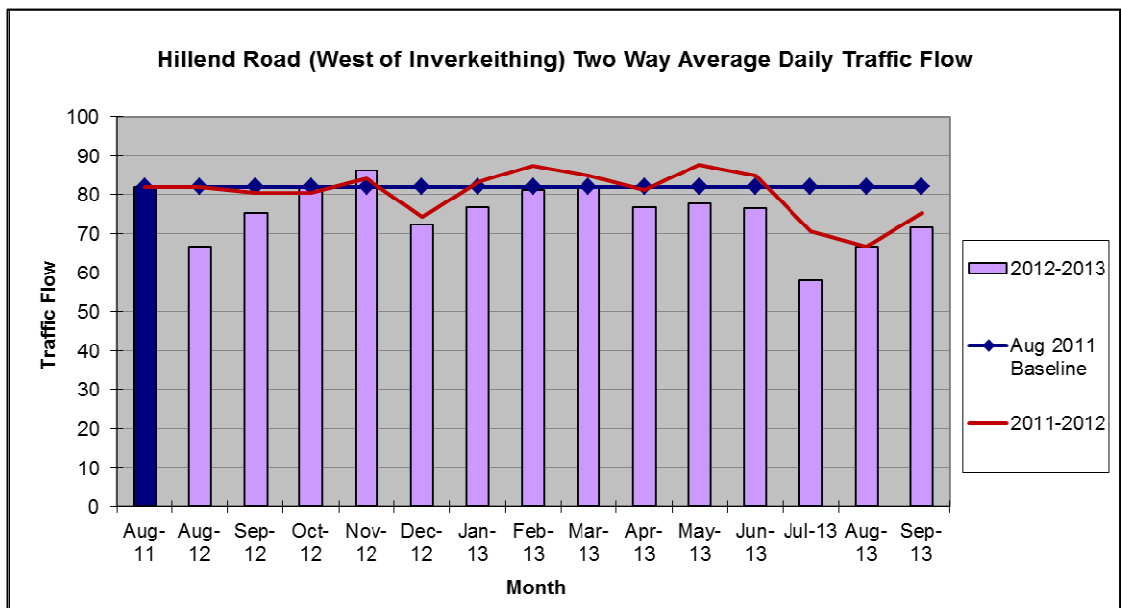
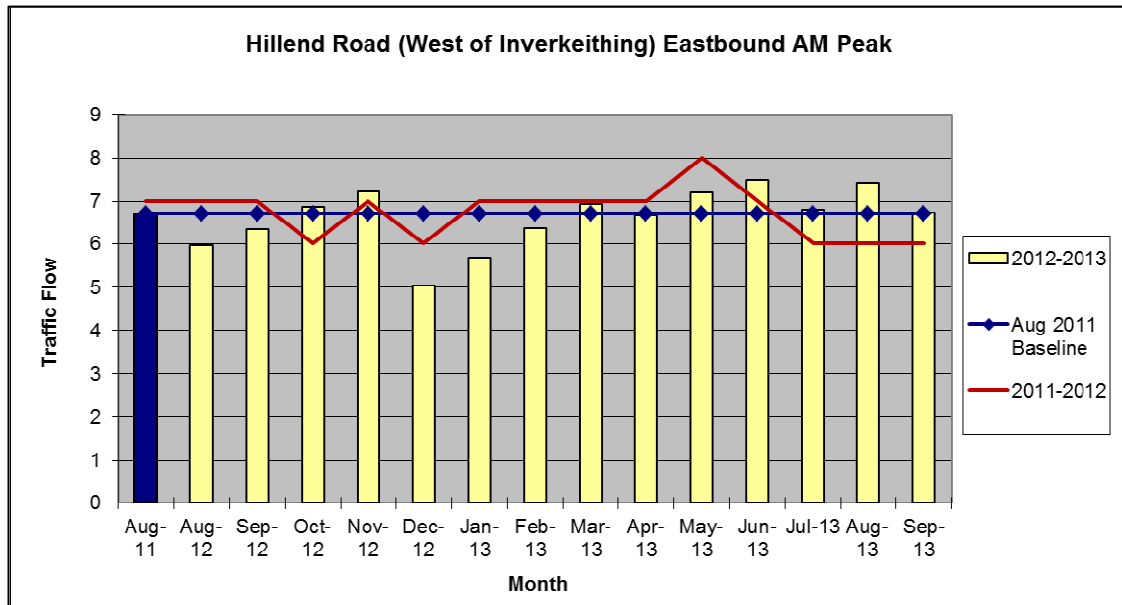


Figure 6-12 Monthly Two Way HGV Flows on the Hillend Road (West of Inverkeithing)

### 6.1.5 Monthly Average AM Peak HGV Flows

**Table 6-5 Site: JTC00392 AM Peak HGV Traffic Flows – August 2012 to September 2013**

Counter	Location	Date	EB	WB	Two Way
JTC00392	Hillend Road (West of Inverkeithing)	Aug-11	7	10	17
		Aug-12	6	11	17
		Sep-12	6	12	19
		Oct-12	7	11	18
		Nov-12	7	12	19
		Dec-12	5	10	15
		Jan-13	6	12	17
		Feb-13	6	12	19
		Mar-13	7	12	19
		Apr-13	7	11	18
		May-13	7	13	20
		Jun-13	8	12	20
		Jul-13	7	8	15
		Aug-13	7	9	17
		Sep-13	7	11	18
<b>Annual Average</b>			<b>7</b>	<b>11</b>	<b>18</b>



**Figure 6-13 Monthly Eastbound AM Peak HGV Flows on the Hillend Road (West of Inverkeithing)**

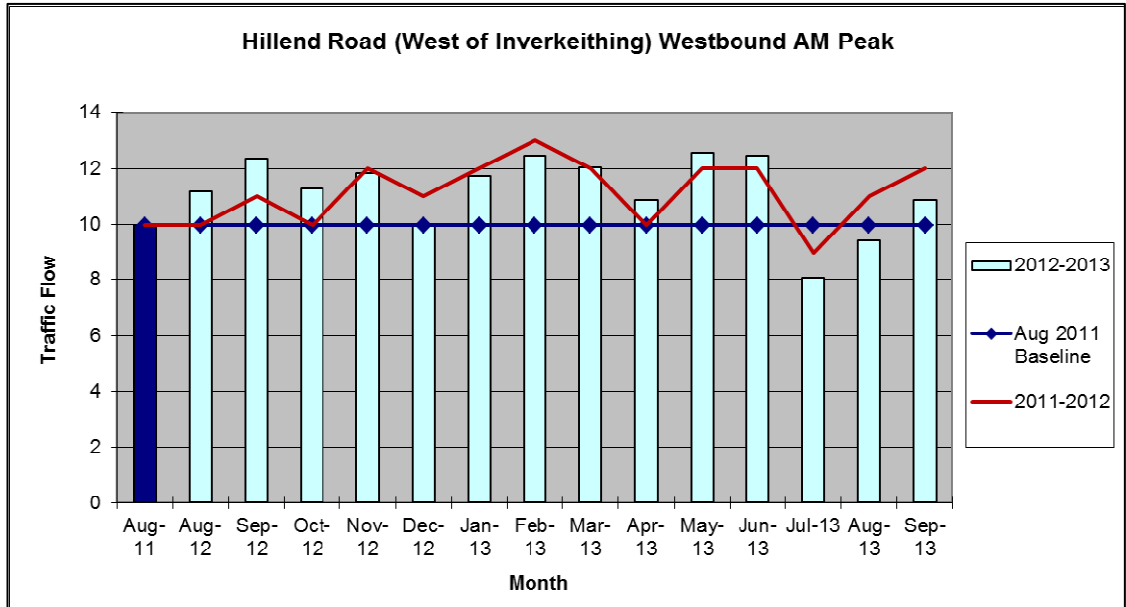


Figure 6-14 Monthly Westbound AM Peak HGV Flows on the Hillend Road (West of Inverkeithing)

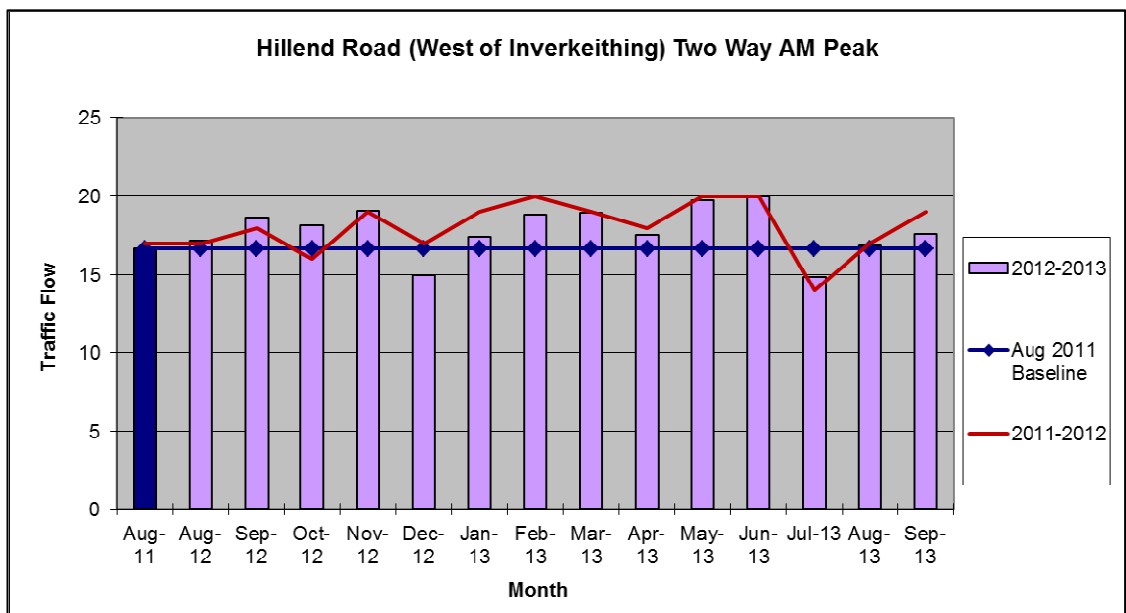


Figure 6-15 Monthly Two Way AM Peak HGV Flows on the Hillend Road (West of Inverkeithing)

### 6.1.6 Monthly Average PM Peak HGV Flows

Table 6-6 Site: JTC00392PM Peak HGV Traffic Flows – August 2012 to September 2013

Counter	Location	Date	EB	WB	Two Way
JTC00392	Hillend Road (West of Inverkeithing)	Aug-11	6	9	15
		Aug-12	4	7	10
		Sep-12	5	8	13
		Oct-12	7	8	15
		Nov-12	7	9	16
		Dec-12	6	8	13
		Jan-13	5	9	14
		Feb-13	6	8	14
		Mar-13	7	8	15
		Apr-13	5	8	13
		May-13	6	8	13
		Jun-13	5	8	13
		Jul-13	3	6	9
		Aug-13	4	7	11
		Sep-13	5	7	12
<b>Annual Average</b>			<b>6</b>	<b>8</b>	<b>13</b>

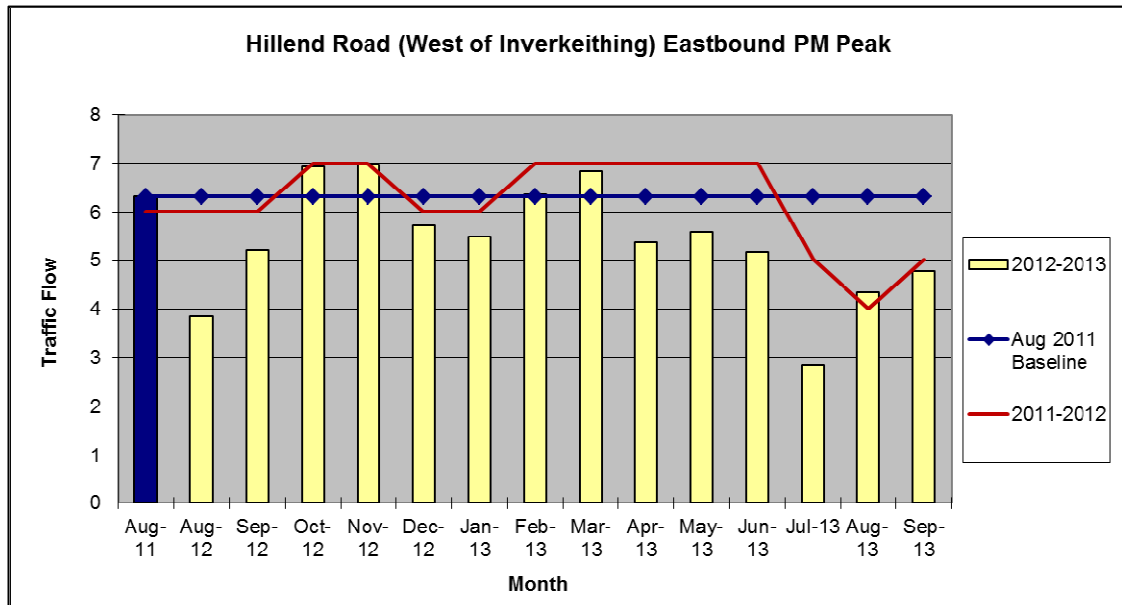


Figure 6-16 Monthly Eastbound PM HGV Peak Flows on the Hillend Road (West of Inverkeithing)

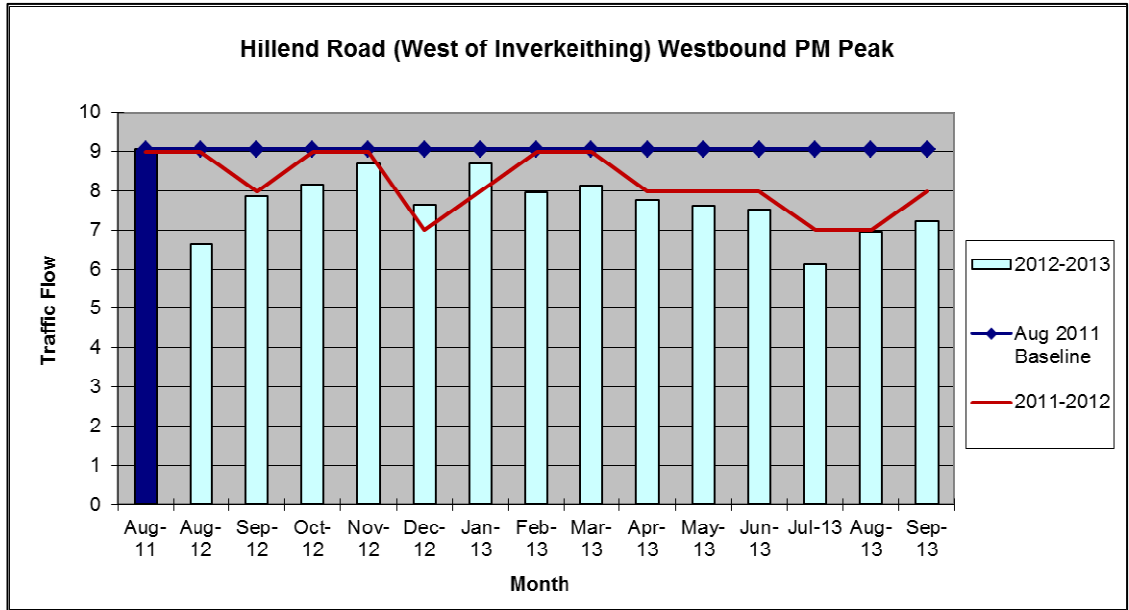


Figure 6-17 Monthly Westbound PM Peak HGV Flows on the Hillend Road (West of Inverkeithing)

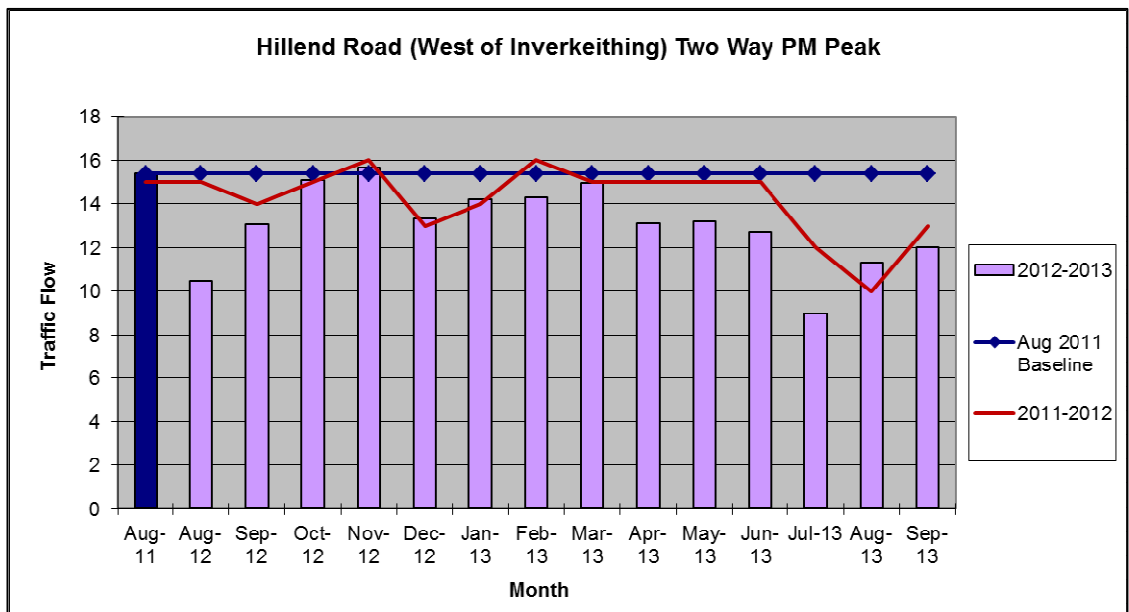
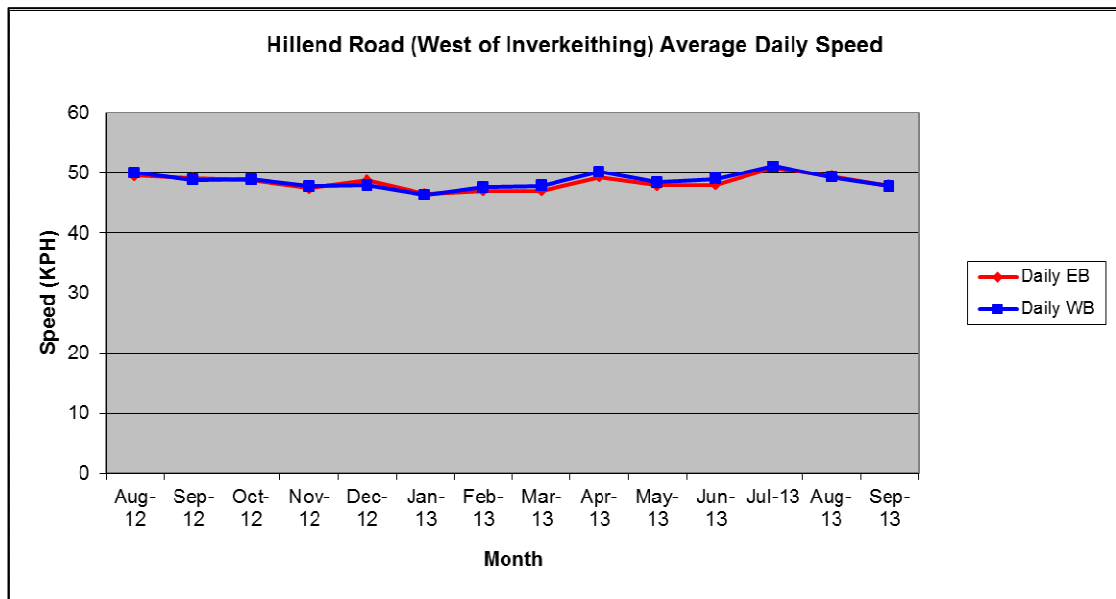


Figure 6-18 Monthly Two Way PM Peak HGV Flows on the Hillend Road (West of Inverkeithing)

### 6.1.7 Monthly Average All Vehicles Traffic Speeds

**Table 6-7 Site: JTC00392 Average Monthly Traffic Speeds (KPH) (All Vehicles) – August 2012 to September 2013**

Counter	Location	Date	EB	WB
JTC00392	Hillend Road (West of Inverkeithing)	Aug-12	50	50
		Sep-12	49	49
		Oct-12	49	49
		Nov-12	48	48
		Dec-12	49	48
		Jan-13	47	46
		Feb-13	47	48
		Mar-13	47	48
		Apr-13	49	50
		May-13	48	48
		Jun-13	48	49
		Jul-13	51	51
		Aug-13	49	49
Sep-13	48	48		



**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 2012 to September 2013

Counter	Location	Date	EB	WB	Two Way
JTC00576	Burnshot Road (West of Craigiehall)	Aug-11	1,424	1,867	3,291
		Aug-12	1,522	1,898	3,420
		Sep-12	1,465	1,805	3,270
		Oct-12	1,498	1,959	3,457
		Nov-12	1,569	1,911	3,479
		Dec-12	1,274	1,497	2,771
		Jan-13	965	1,456	2,420
		Feb-13	No Data	No Data	No Data
		Mar-13	1,263	1,508	2,771
		Apr-13	1,463	1,737	3,200
		May-13	1,560	1,860	3,420
		Jun-13	1,591	1,894	3,485
		Jul-13	1,487	1,809	3,296
		Aug-13	1,573	1,906	3,479
		Sep-13	1,533	1,836	3,369
			<b>Annual Average</b>		<b>1,423</b>

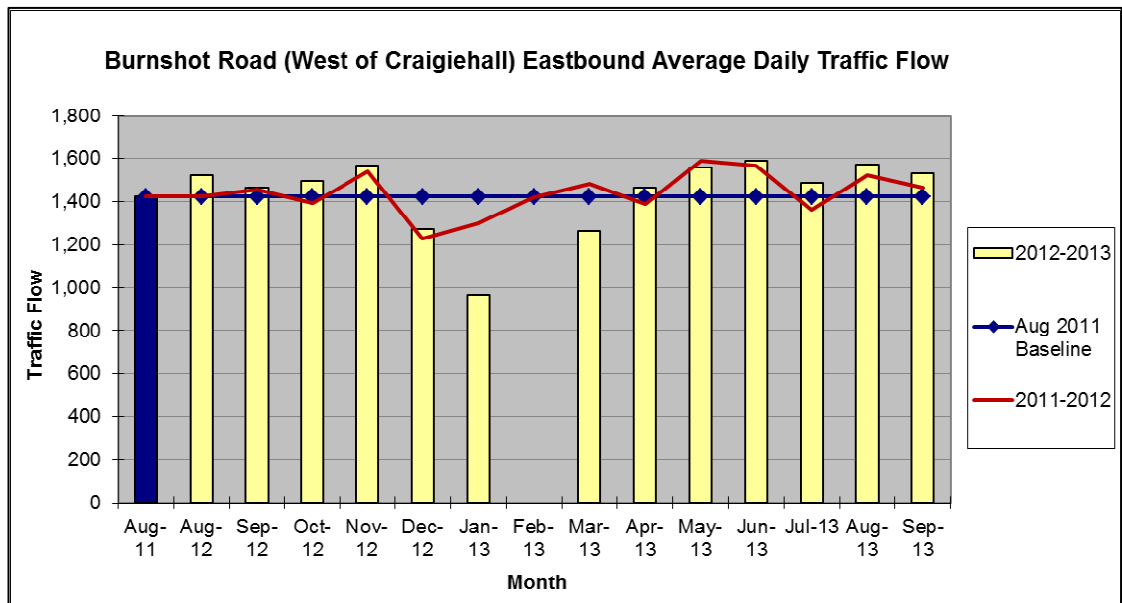


Figure 6-20 Monthly Eastbound AADTs on the Burnshot Road (West of Craigiehall)



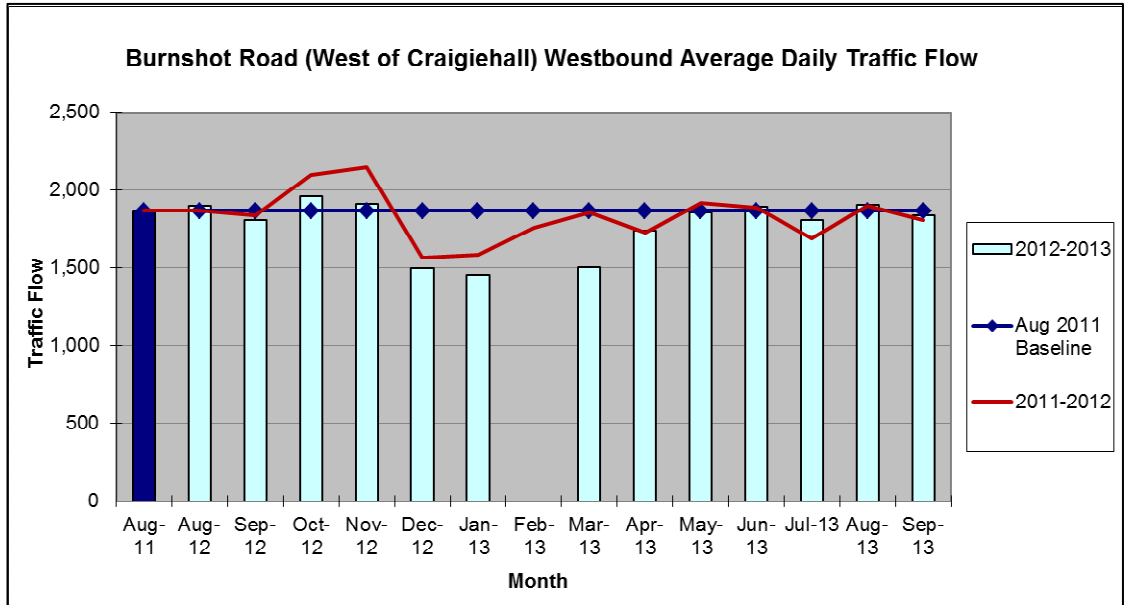


Figure 6-21 Monthly Westbound AADTs on the Burnshot Road (West of Craigiehall)

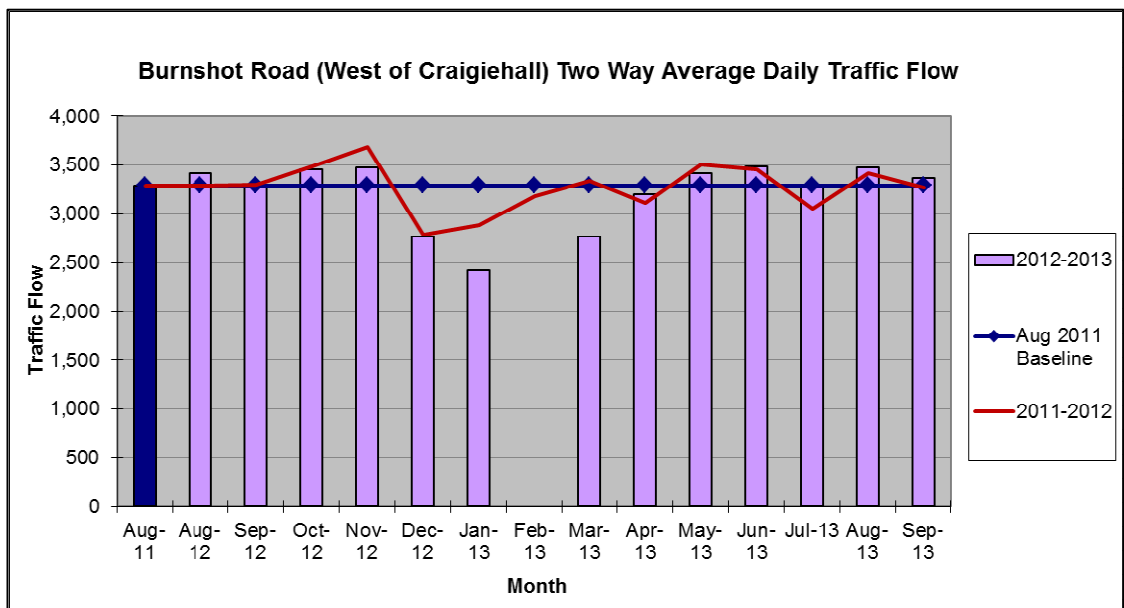


Figure 6-22 Monthly Two Way Daily Traffic Flows on the Burnshot Road (West of Craigiehall)

### 6.2.2 Monthly Average AM Peak Traffic Flows

Table 6-9 Site: JTC00576 AM Peak Traffic Flows – August 2012 to September 2013

Counter	Location	Date	EB	WB	Two Way
JTC00576	Burnshot Road (West of Craigiehall)	Aug-11	402	253	655
		Aug-12	430	275	705
		Sep-12	442	278	720
		Oct-12	479	307	786
		Nov-12	539	309	849
		Dec-12	371	209	580
		Jan-13	291	210	501
		Feb-13	No Data	No Data	No Data
		Mar-13	348	197	545
		Apr-13	438	247	684
		May-13	483	274	757
		Jun-13	460	283	742
		Jul-13	405	237	642
		Aug-13	443	262	705
		Sep-13	475	273	748
	<b>Annual Average</b>		<b>426</b>	<b>257</b>	<b>683</b>

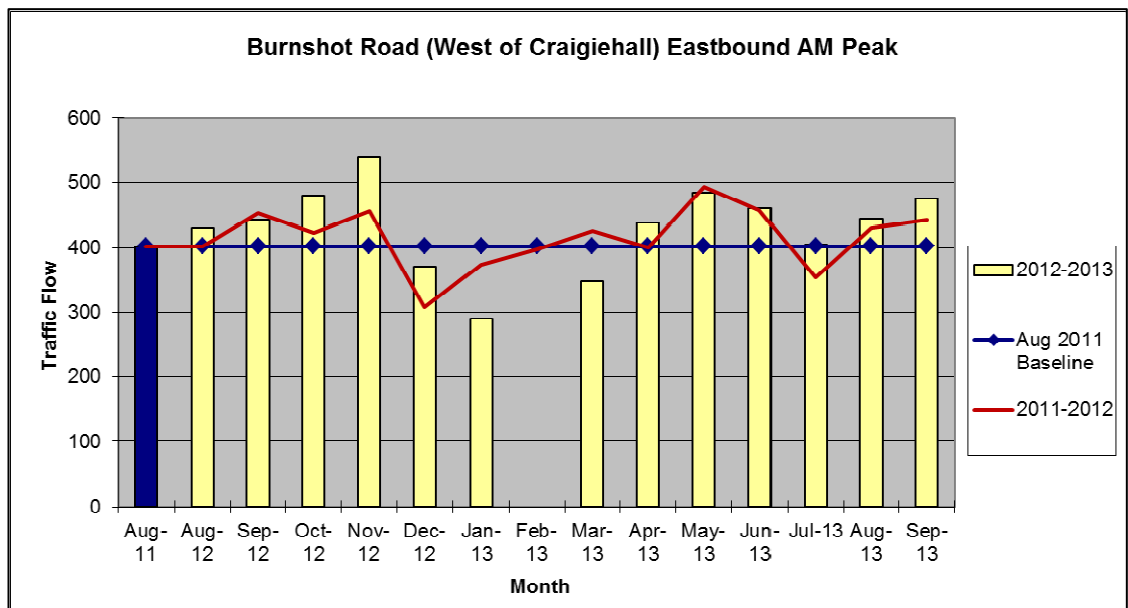


Figure 6-23 Monthly Eastbound AM Peak Flows on the Burnshot Road (West of Craigiehall)

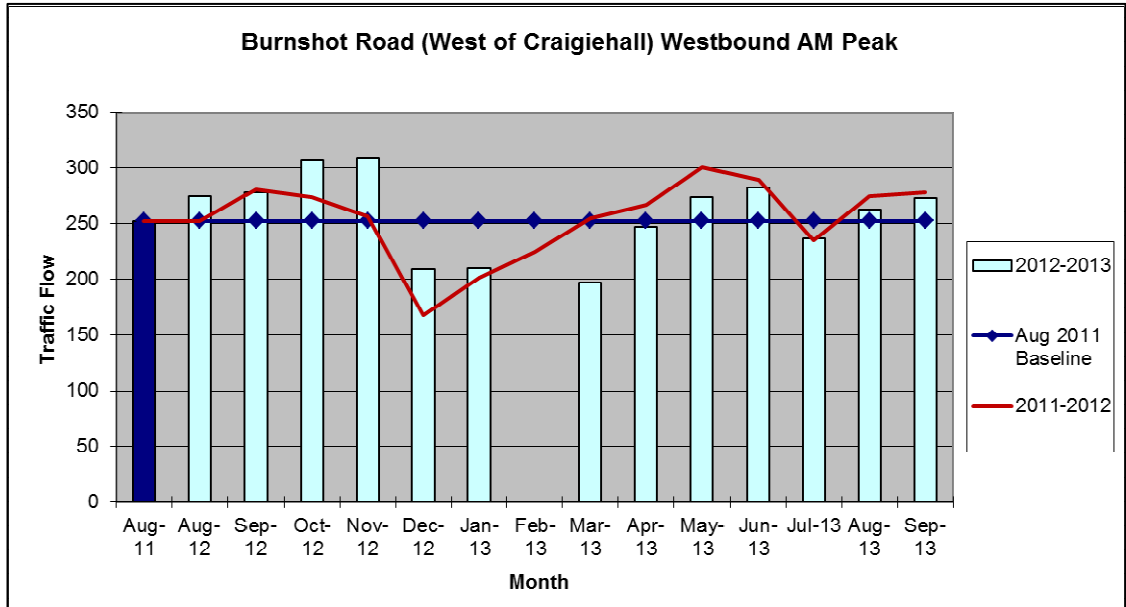


Figure 6-24 Monthly Westbound AM Peak Flows on the Burnshot Road (West of Craigiehall)

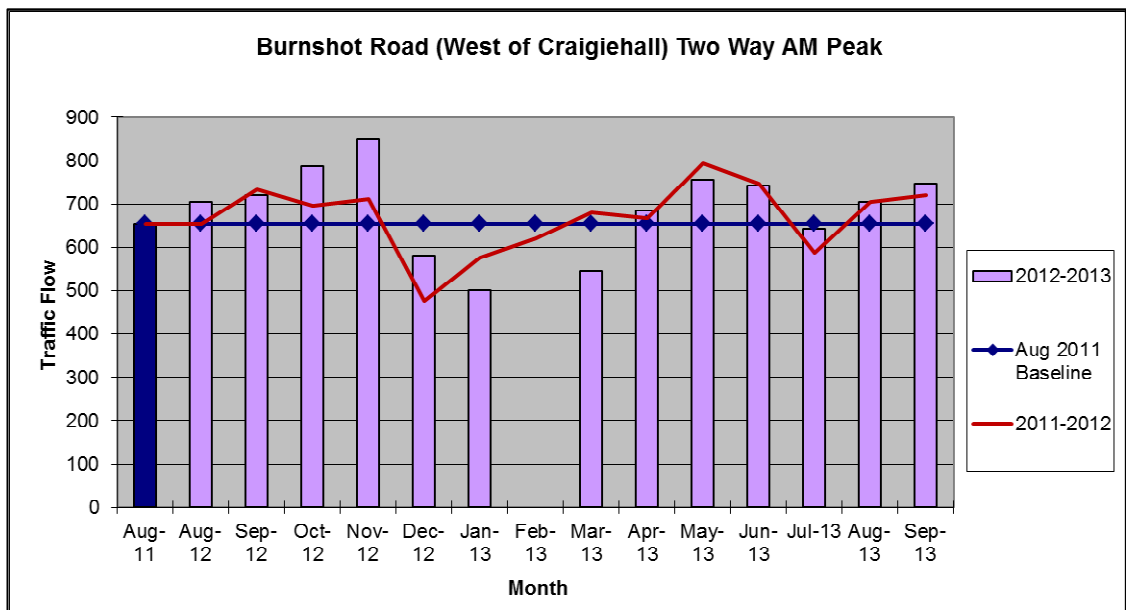


Figure 6-25 Monthly Two Way AM Peak Flows on the Burnshot Road (West of Craigiehall)

### 6.2.3 Monthly Average PM Peak Traffic Flows

Table 6-10 Site: JTC00576 PM Peak Traffic Flows – August 2012 to September 2013

Counter	Location	Date	EB	WB	Two Way
JTC00576	Burnshot Road (West of Craigiehall)	Aug-11	304	685	989
		Aug-12	356	643	999
		Sep-12	330	612	942
		Oct-12	337	668	1,005
		Nov-12	333	663	996
		Dec-12	244	464	708
		Jan-13	187	496	682
		Feb-13	No Data	No Data	No Data
		Mar-13	287	524	811
		Apr-13	328	596	924
		May-13	337	637	975
		Jun-13	358	627	985
		Jul-13	327	622	949
		Aug-13	346	663	1,009
		Sep-13	330	647	977
	<b>Annual Average</b>		<b>311</b>	<b>596</b>	<b>907</b>

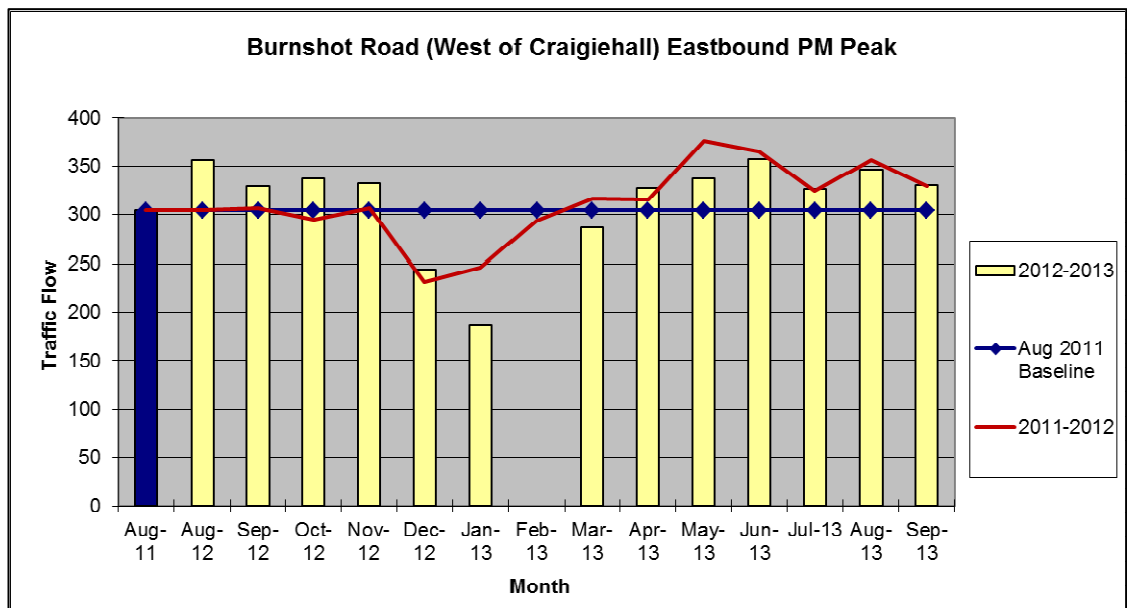


Figure 6-26 Monthly Eastbound PM Peak Flows on the Burnshot Road (West of Craigiehall)

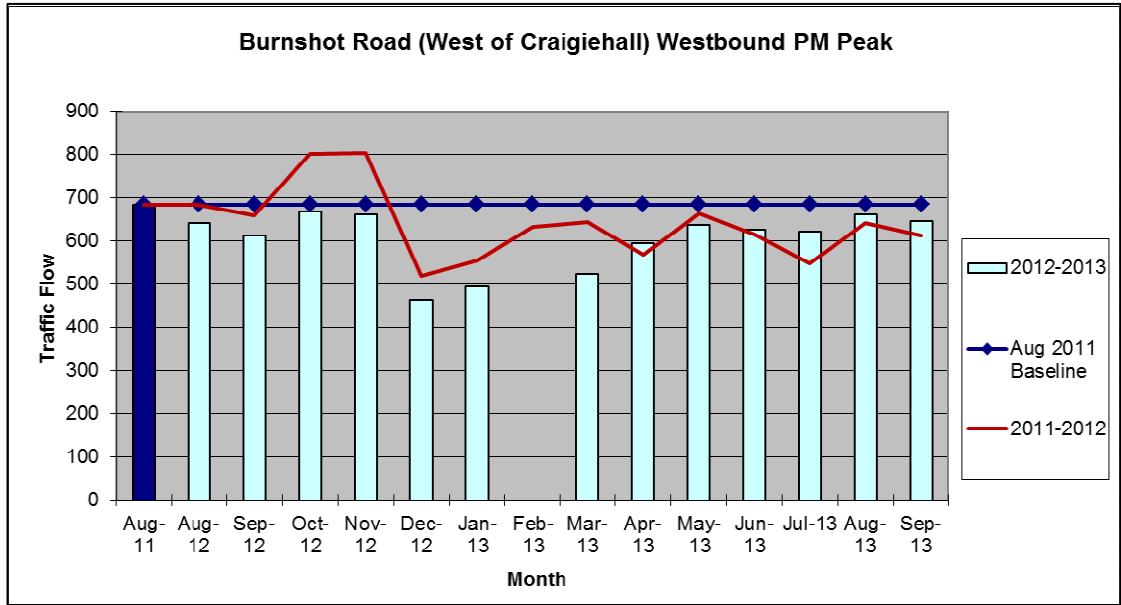


Figure 6-27 Monthly Westbound PM Peak Flows on the Burnshot Road (West of Craigiehall)

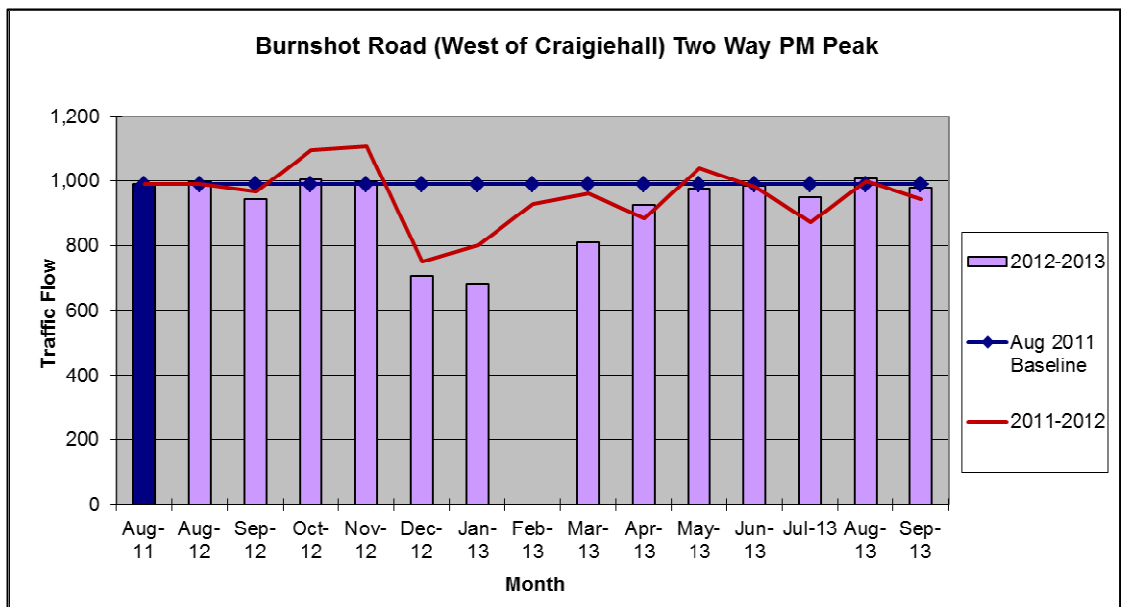


Figure 6-28 Monthly Two Way PM Peak Flows on the Burnshot Road (West of Craigiehall)

### 6.2.4 Monthly Average HGV Flows

Table 6-11 Site: JTC00576 Annual HGV Traffic Flows – August 2012 to September 2013

Counter	Location	Date	EB	WB	Two Way
JTC00576	Burnshot Road (West of Craigiehall)	Aug-11	6	7	13
		Aug-12	6	8	14
		Sep-12	6	7	13
		Oct-12	6	8	13
		Nov-12	3	2	5
		Dec-12	3	2	5
		Jan-13	1	2	3
		Feb-13	No Data	No Data	No Data
		Mar-13	1	2	3
		Apr-13	1	3	4
		May-13	2	4	6
		Jun-13	2	4	6
		Jul-13	2	4	6
		Aug-13	4	6	11
		Sep-13	3	6	9
		<b>Annual Average</b>	<b>3</b>	<b>4</b>	<b>7</b>

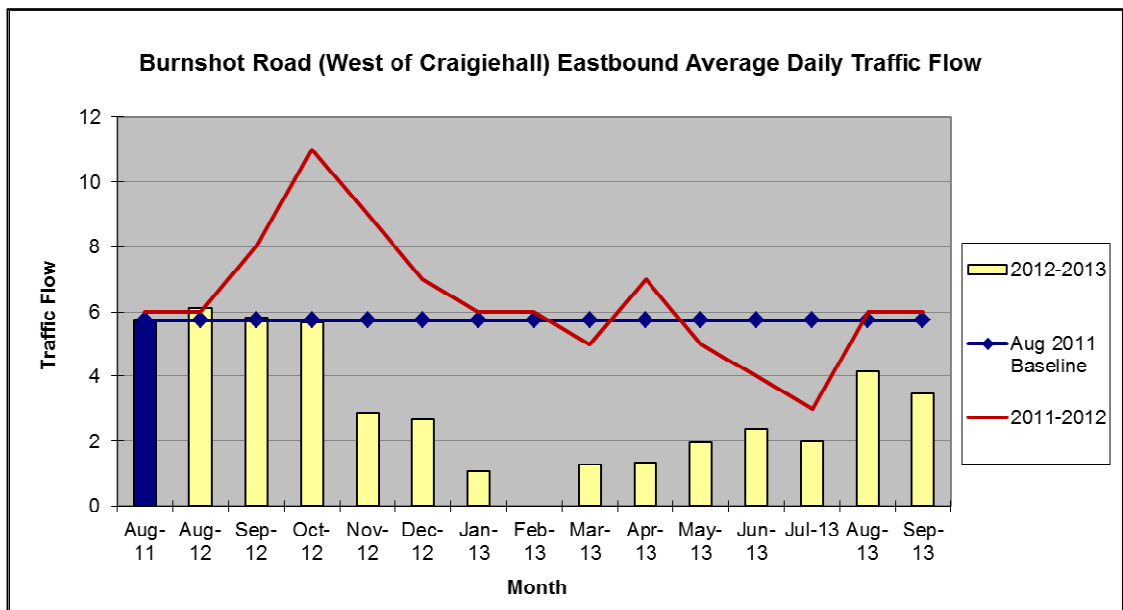


Figure 6-29 Monthly Eastbound HGV Flows on the Burnshot Road (West of Craigiehall)

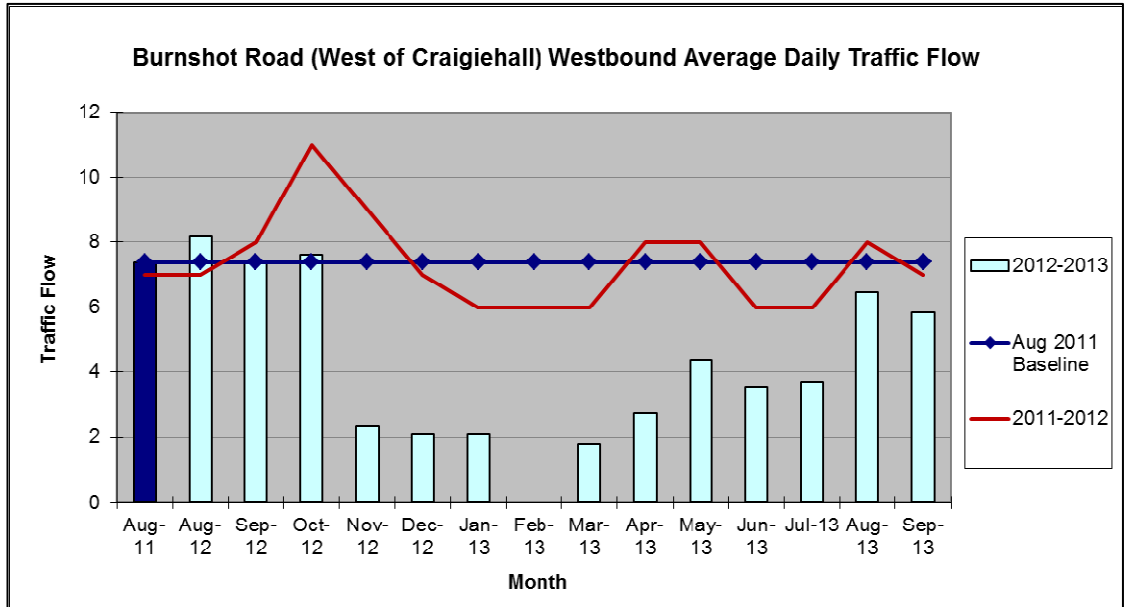


Figure 6-30 Monthly Westbound HGV Flows on the Burnshot Road (West of Craigiehall)

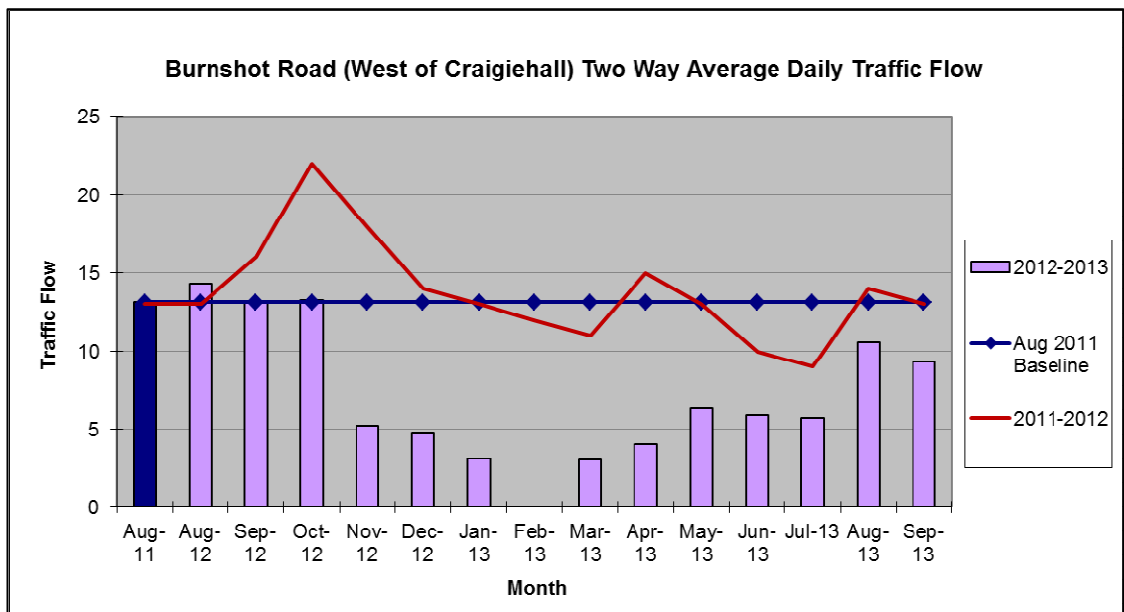


Figure 6-31 Monthly Two Way HGV Flows on the Burnshot Road (West of Craigiehall)

### 6.2.5 Monthly Average AM Peak HGV Flows

Table 6-12 Site: JTC00576 AM Peak HGV Traffic Flows – August 2012 to September 2013

Counter	Location	Date	EB	WB	Two Way
JTC00576	Burnshot Road (West of Craigiehall)	Aug-11	2	1	4
		Aug-12	2	2	4
		Sep-12	1	1	3
		Oct-12	2	2	3
		Nov-12	1	0	1
		Dec-12	1	0	1
		Jan-13	0	1	1
		Feb-13	No Data	No Data	No Data
		Mar-13	0	0	1
		Apr-13	0	0	1
		May-13	1	1	1
		Jun-13	1	1	2
		Jul-13	1	1	2
		Aug-13	1	1	2
		Sep-13	1	1	2
<b>Annual Average</b>			<b>1</b>	<b>1</b>	<b>2</b>

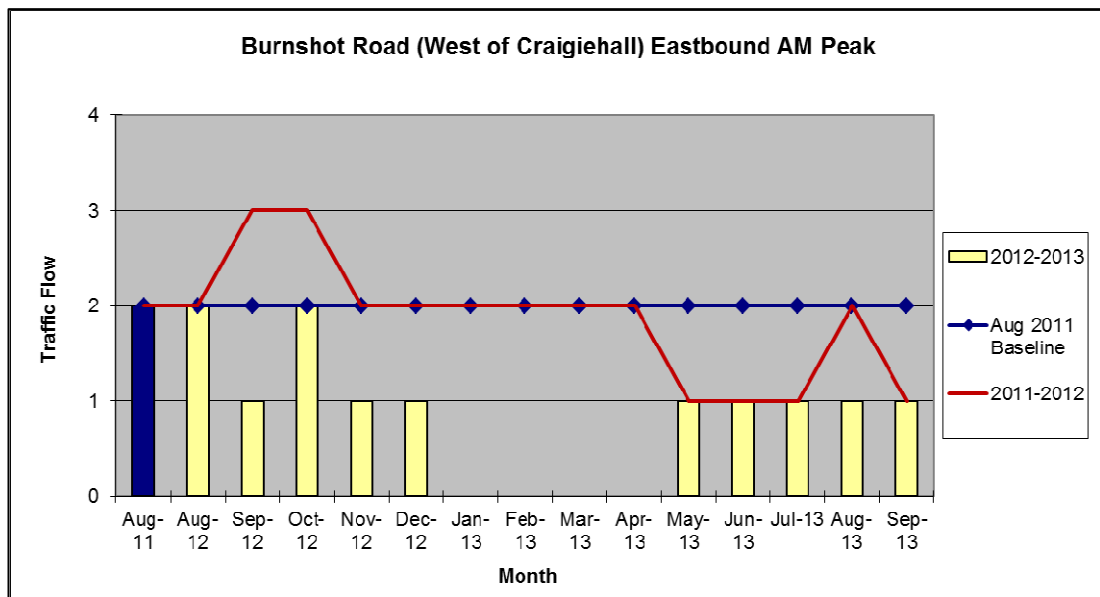


Figure 6-32 Monthly Eastbound AM Peak HGV Flows on the Burnshot Road (West of Craigiehall)



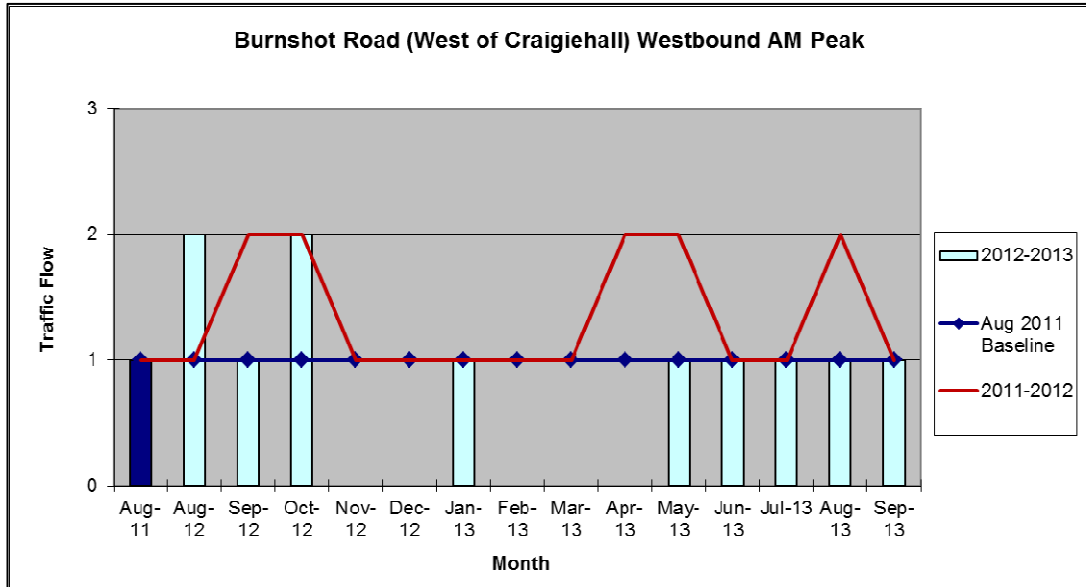


Figure 6-33 Monthly Westbound AM Peak HGV Flows on the Burnshot Road (West of Craigiehall)

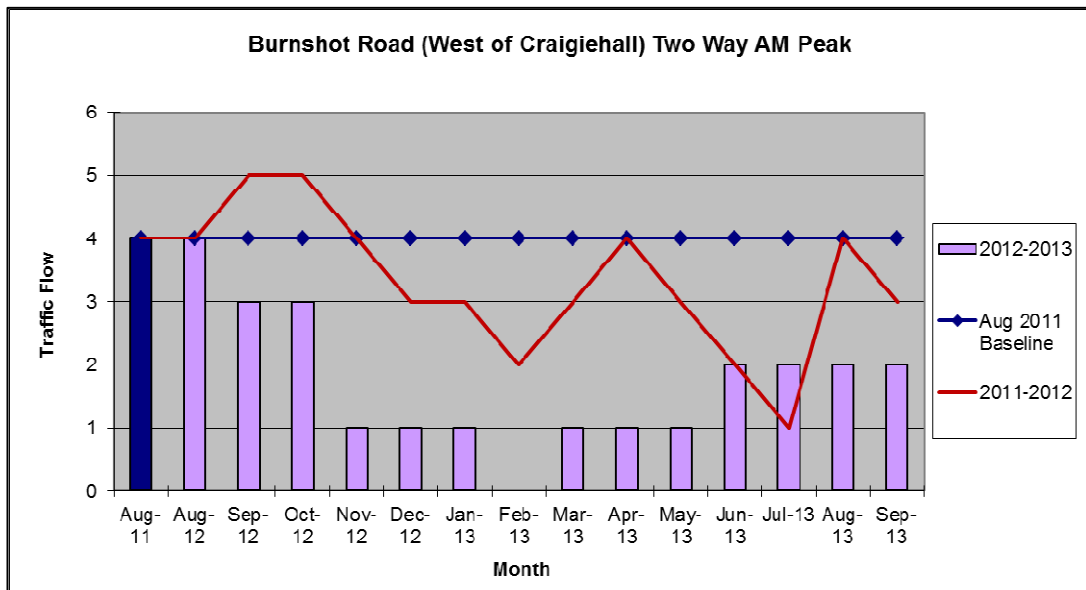


Figure 6-34 Monthly Two Way AM Peak HGV Flows on the Burnshot Road (West of Craigiehall)

6.2.6 Monthly Average PM Peak HGV Flows

Table 6-13 Site: JTC00576 PM Peak HGV Traffic Flows – August 2012 to September 2013

Counter	Location	Date	EB	WB	Two Way
JTC00576	Burnshot Road (West of Craigiehall)	Aug-11	0	1	2
		Aug-12	1	1	2
		Sep-12	1	2	3
		Oct-12	1	2	3
		Nov-12	0	0	1
		Dec-12	0	0	0
		Jan-13	0	0	0
		Feb-13	No Data	No Data	No Data
		Mar-13	0	0	0
		Apr-13	0	0	1
		May-13	0	1	1
		Jun-13	0	1	1
		Jul-13	0	1	1
		Aug-13	0	2	2
		Sep-13	0	1	1
<b>Annual Average</b>			<b>0</b>	<b>1</b>	<b>1</b>

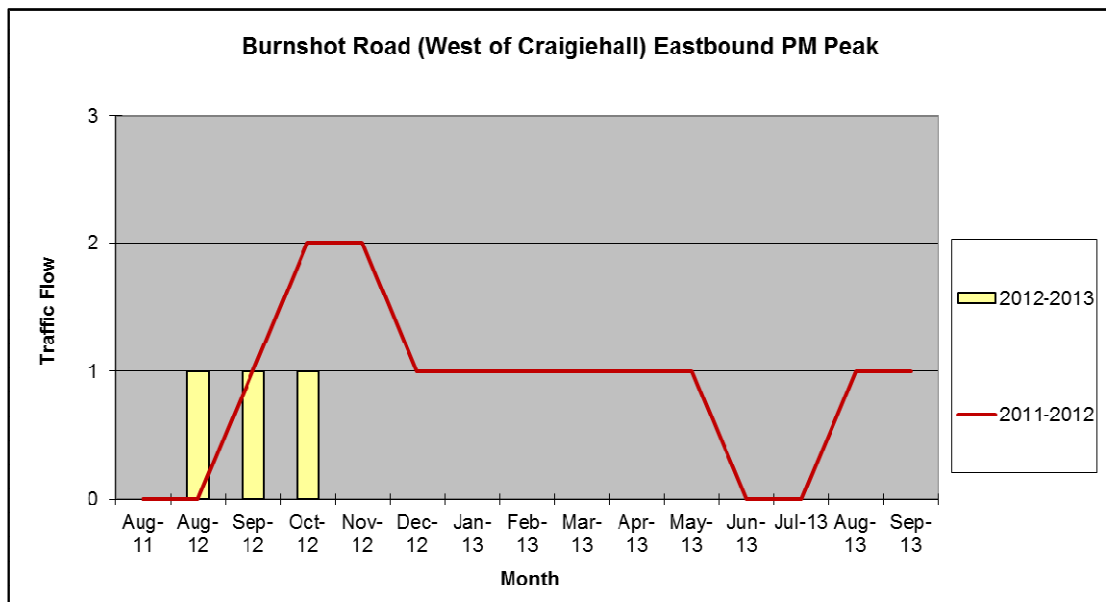


Figure 6-35 Monthly Eastbound PM HGV Peak Flows on the Burnshot Road (West of Craigiehall)

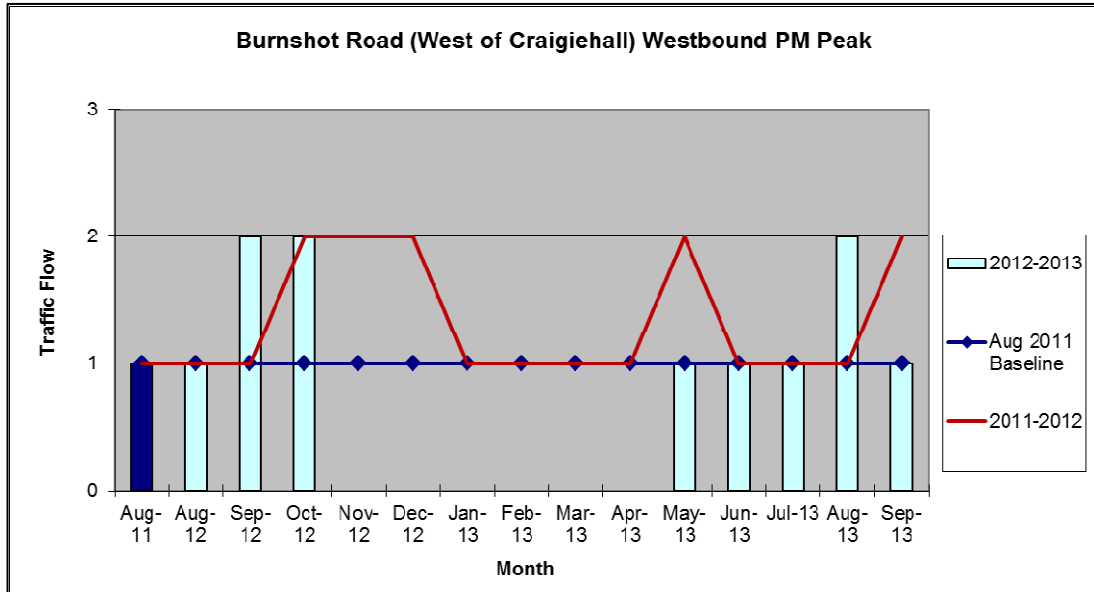


Figure 6-36 Monthly Westbound PM Peak HGV Flows on the Burnshot Road (West of Craigiehall)

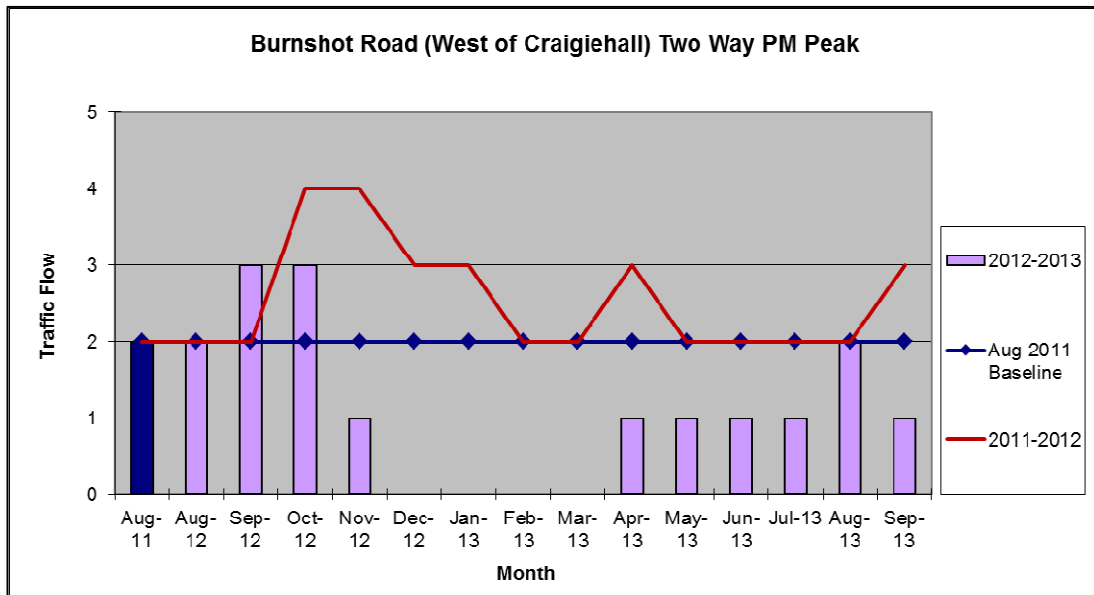


Figure 6-37 Monthly Two Way PM Peak HGV Flows on the Burnshot Road (West of Craigiehall)

6.2.7 Monthly Average All Vehicles Traffic Speeds

Table 6-14 Site: JTC00576 Average Monthly Traffic Speeds (KPH) (All Vehicles) – August 2012 to September 2013

Counter	Location	Date	EB	WB
JTC00576	Burnshot Road (West of Craigiehall)	Aug-12	81	85
		Sep-12	81	85
		Oct-12	81	85
		Nov-12	80	84
		Dec-12	78	82
		Jan-13	79	83
		Feb-13	No Data	No Data
		Mar-13	79	85
		Apr-13	82	85
		May-13	82	86
		Jun-13	82	86
		Jul-13	81	86
		Aug-13	82	85
		Sep-13	81	85

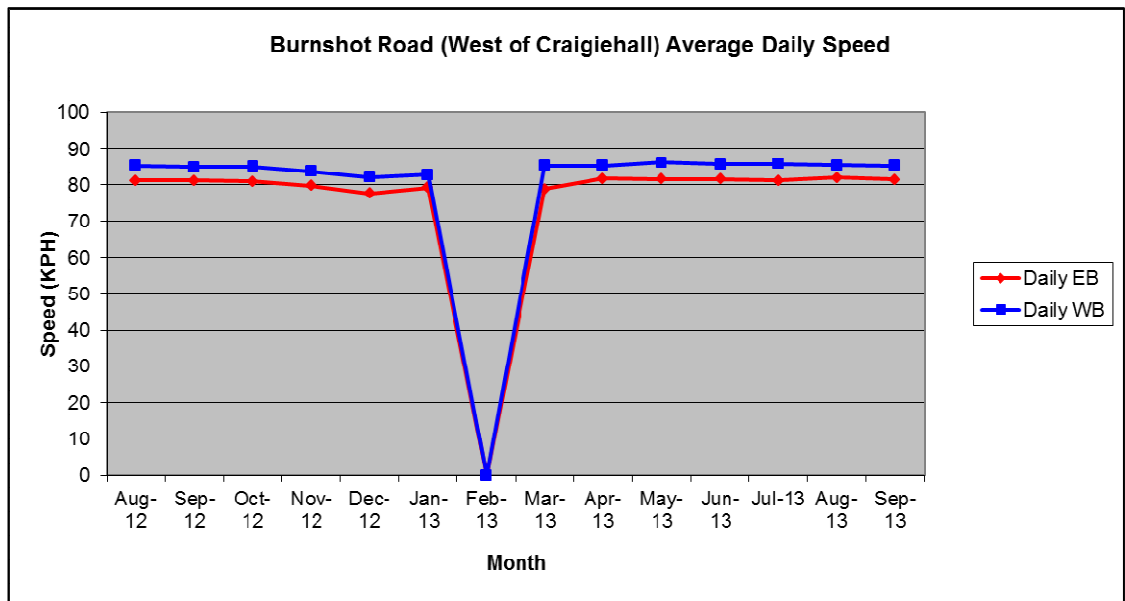


Figure 6-38 Average Monthly Traffic Speeds (KPH) on the Burnshot Road (West of Craigiehall)

### 6.3 Traffic Counter JTC00579 – Queensferry Road (Rosyth)

#### 6.3.1 Monthly Average Traffic Flows

Table 3-15 Site: JTC00579 Annual Traffic Flows – August 2012 to September 2013

Counter	Location	Date	NB	SB	Two Way
JTC00579	Queensferry Road (Rosyth)	Aug-11	3,024	3,832	6,856
		Aug-12	3,482	4,022	7,504
		Sep-12	3,283	3,686	6,968
		Oct-12	3,157	3,649	6,806
		Nov-12	3,146	3,650	6,796
		Dec-12	2,778	3,167	5,946
		Jan-13	2,869	3,302	6,171
		Feb-13	2,944	3,395	6,340
		Mar-13	2,801	3,291	6,092
		Apr-13	3,059	3,403	6,462
		May-13	3,153	3,532	6,685
		Jun-13	3,006	3,430	6,436
		Jul-13	3,157	3,528	6,685
		Aug-13	3,292	3,697	6,988
		Sep-13	3,201	3,521	6,722
		<b>Annual Average</b>	<b>3,070</b>	<b>3,505</b>	<b>6,574</b>

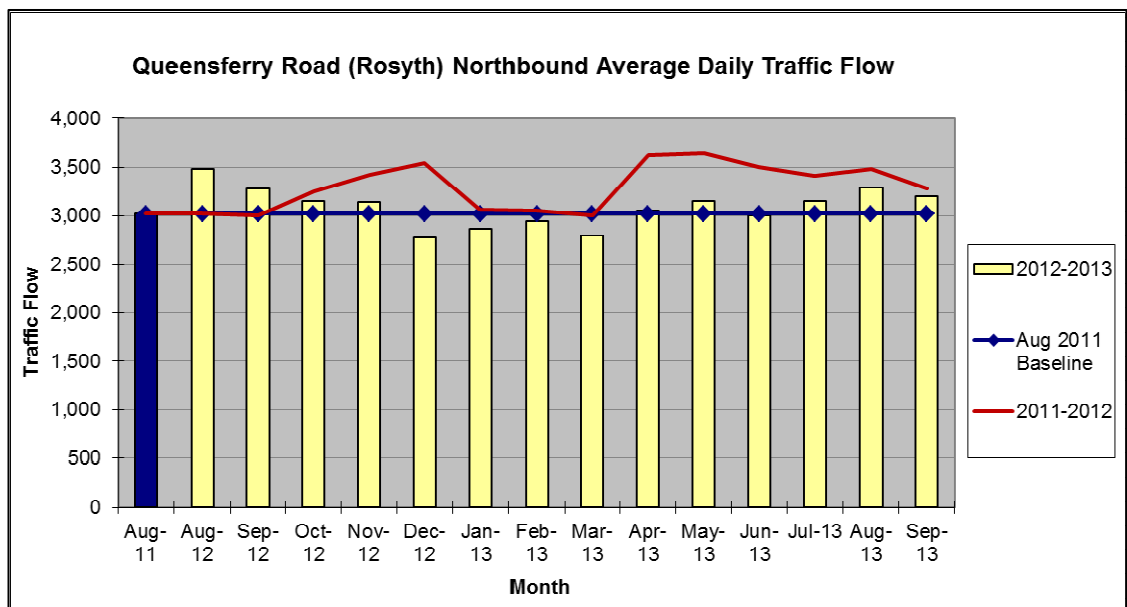


Figure 6-39 Monthly Northbound AADTs on the Queensferry Road (Rosyth)

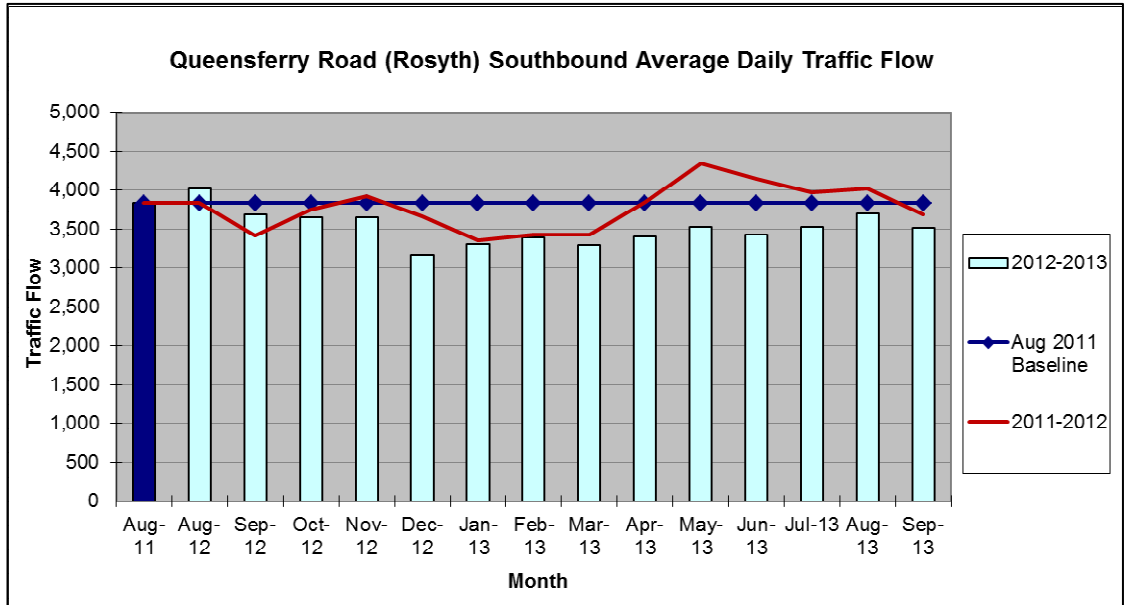


Figure 6-40 Monthly Southbound AADTs on the Queensferry Road (Rosyth)

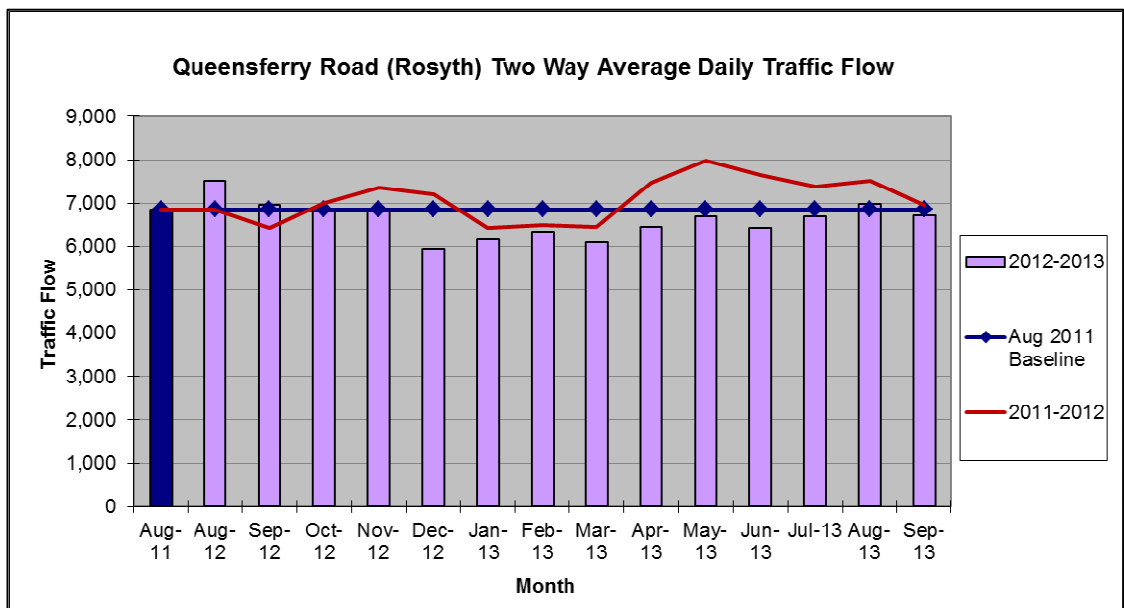


Figure 6-41 Monthly Two Way Daily Traffic Flows on the Queensferry Road (Rosyth)

### 6.3.2 Monthly Average AM Peak Traffic Flows

Table 6-16 Site: JTC00579 AM Peak Traffic Flows – August 2012 to September 2013

Counter	Location	Date	EB	WB	Two Way
JTC00579	Queensferry Road (Rosyth)	Aug-11	405	657	1,062
		Aug-12	495	695	1,190
		Sep-12	483	640	1,124
		Oct-12	424	616	1,040
		Nov-12	349	639	988
		Dec-12	294	466	760
		Jan-13	403	616	1,020
		Feb-13	419	654	1,073
		Mar-13	406	588	994
		Apr-13	402	552	954
		May-13	466	659	1,125
		Jun-13	451	620	1,071
		Jul-13	421	566	987
		Aug-13	450	619	1,068
		Sep-13	452	614	1,065
<b>Annual Average</b>			<b>418</b>	<b>609</b>	<b>1,027</b>

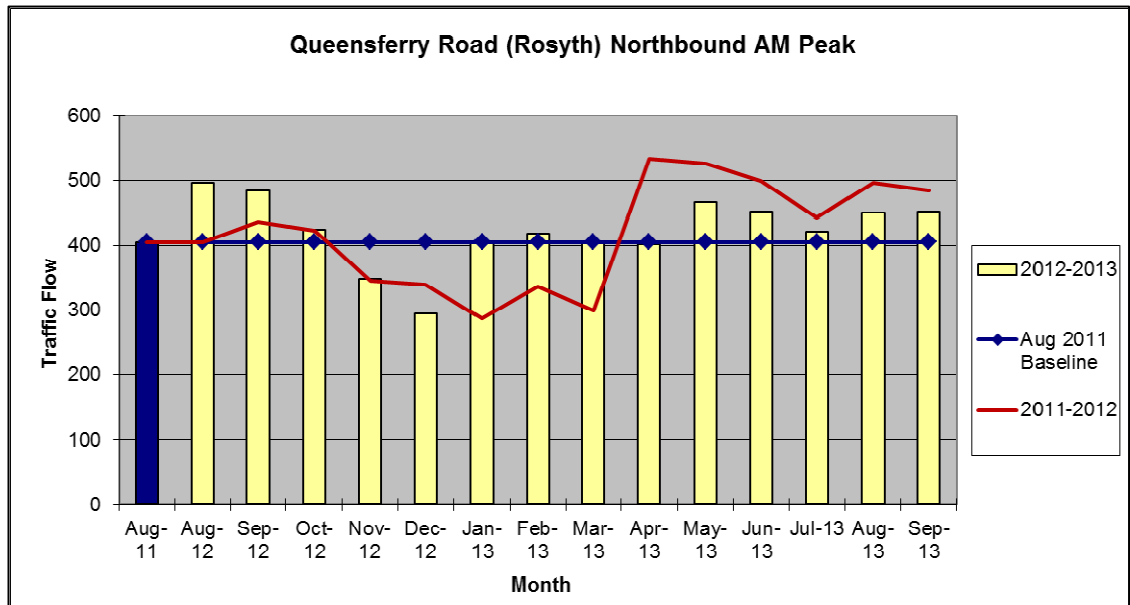


Figure 6-42 Monthly Eastbound AM Peak Flows on the Queensferry Road (Rosyth)

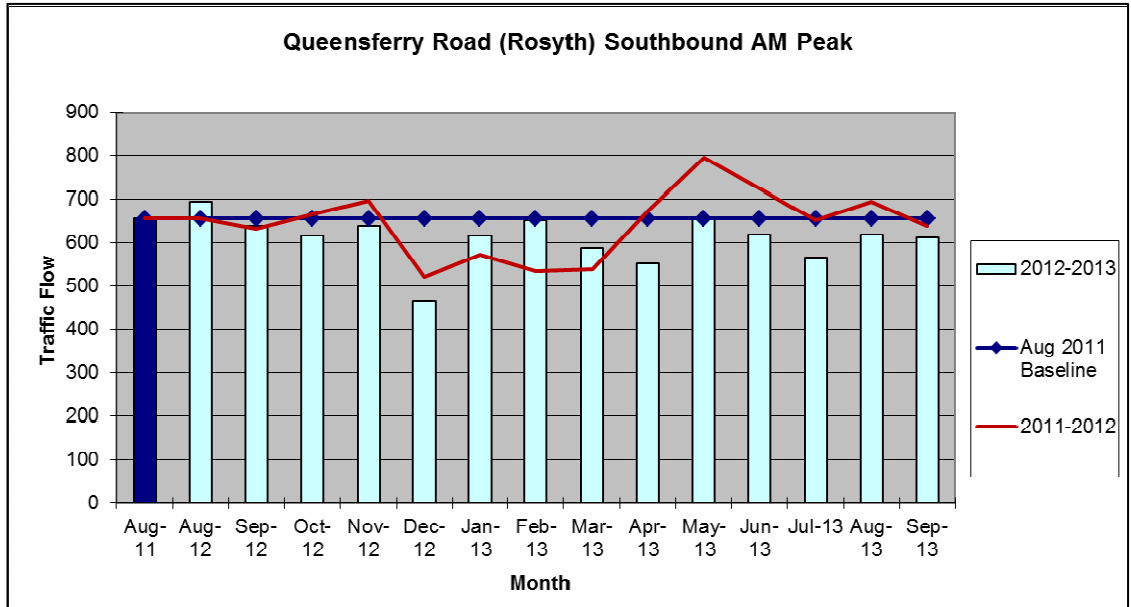


Figure 6-43 Monthly Westbound AM Peak Flows on the Queensferry Road (Rosyth)

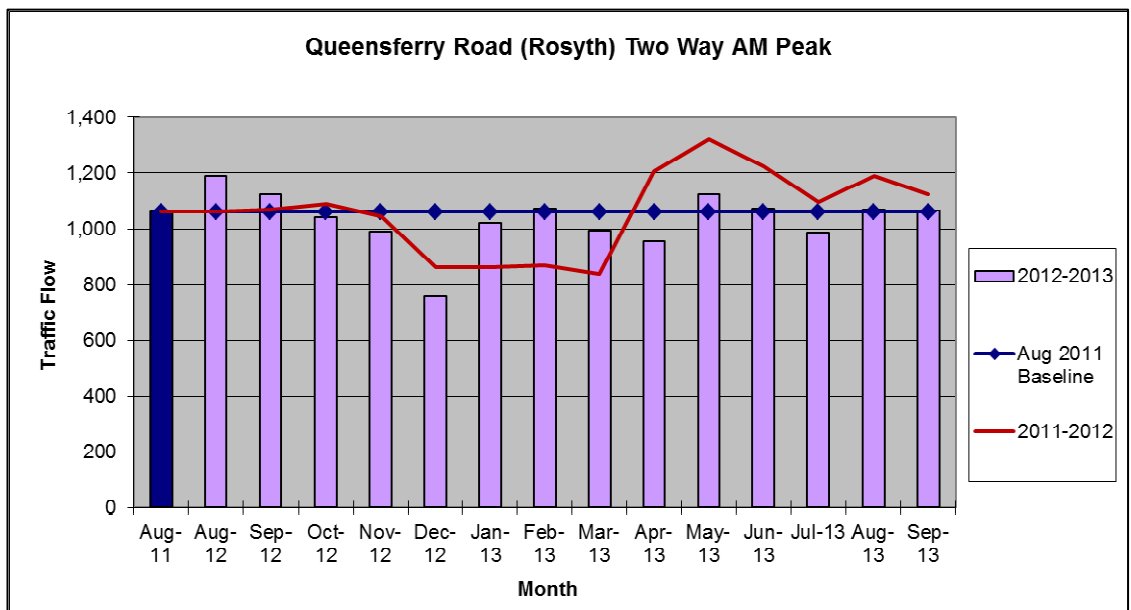


Figure 6-44 Monthly Two Way AM Peak Flows on the Queensferry Road (Rosyth)



### 6.3.3 Monthly Average PM Peak Traffic Flows

Table 6-17 Site: JTC00579 PM Peak Traffic Flows – August 2012 to September 2013

Counter	Location	Date	EB	WB	Two Way
JTC00579	Queensferry Road (Rosyth)	Aug-11	684	797	1,481
		Aug-12	806	819	1,625
		Sep-12	741	762	1,503
		Oct-12	747	763	1,511
		Nov-12	714	764	1,477
		Dec-12	615	661	1,276
		Jan-13	672	663	1,335
		Feb-13	690	693	1,383
		Mar-13	671	672	1,344
		Apr-13	706	684	1,390
		May-13	718	706	1,423
		Jun-13	653	671	1,324
		Jul-13	744	733	1,477
		Aug-13	764	767	1,531
		Sep-13	764	748	1,511
<b>Annual Average</b>			<b>706</b>	<b>716</b>	<b>1,422</b>

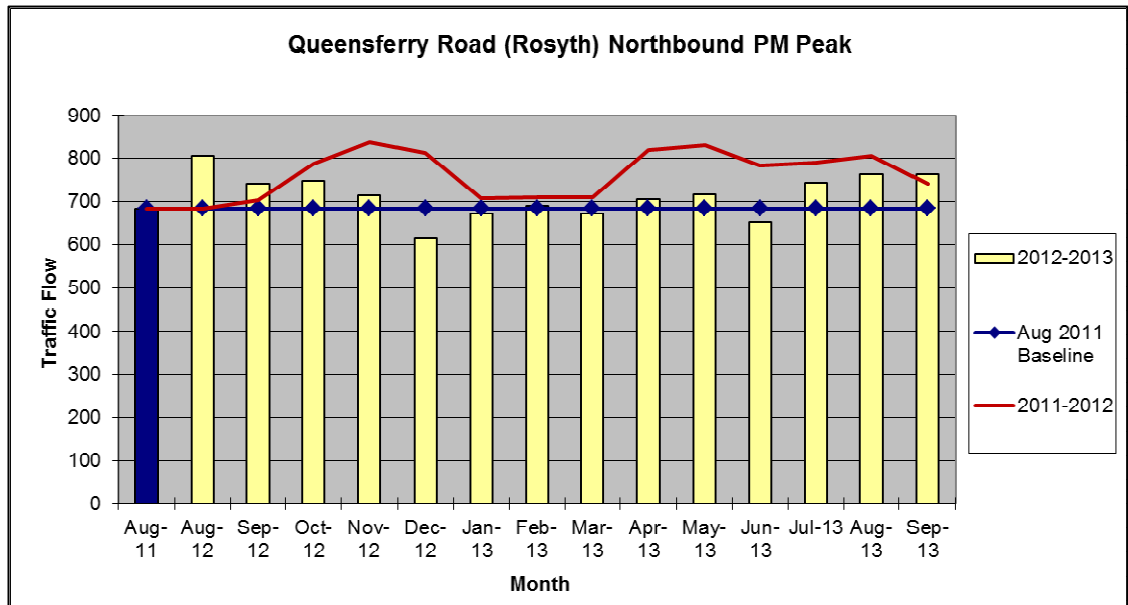


Figure 6-45 Monthly Eastbound PM Peak Flows on the Queensferry Road (Rosyth)

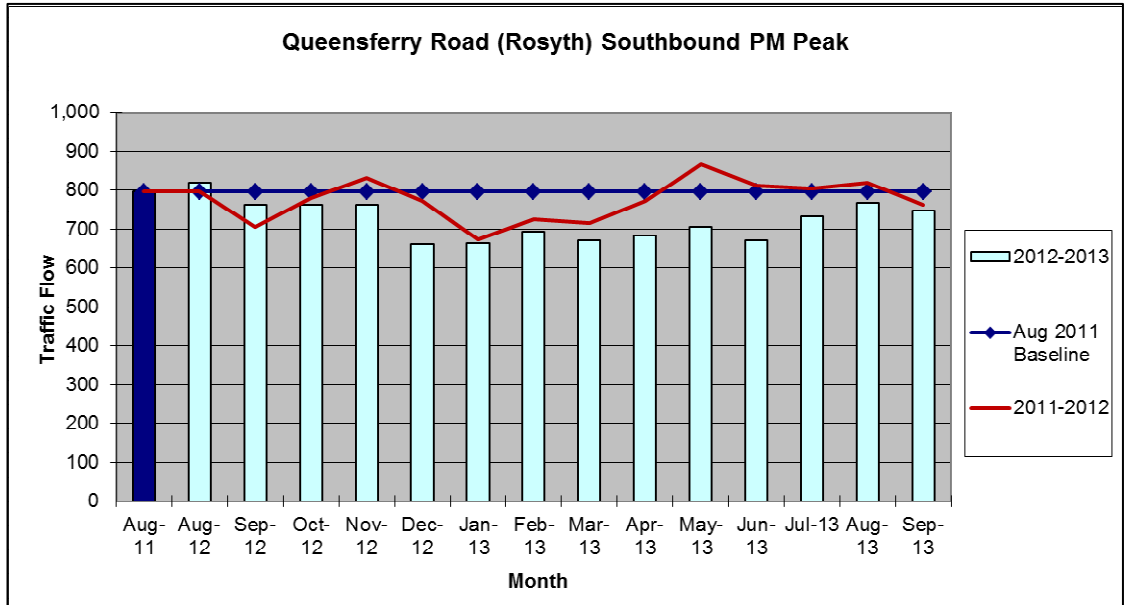


Figure 6-46 Monthly Westbound PM Peak Flows on the Queensferry Road (Rosyth)

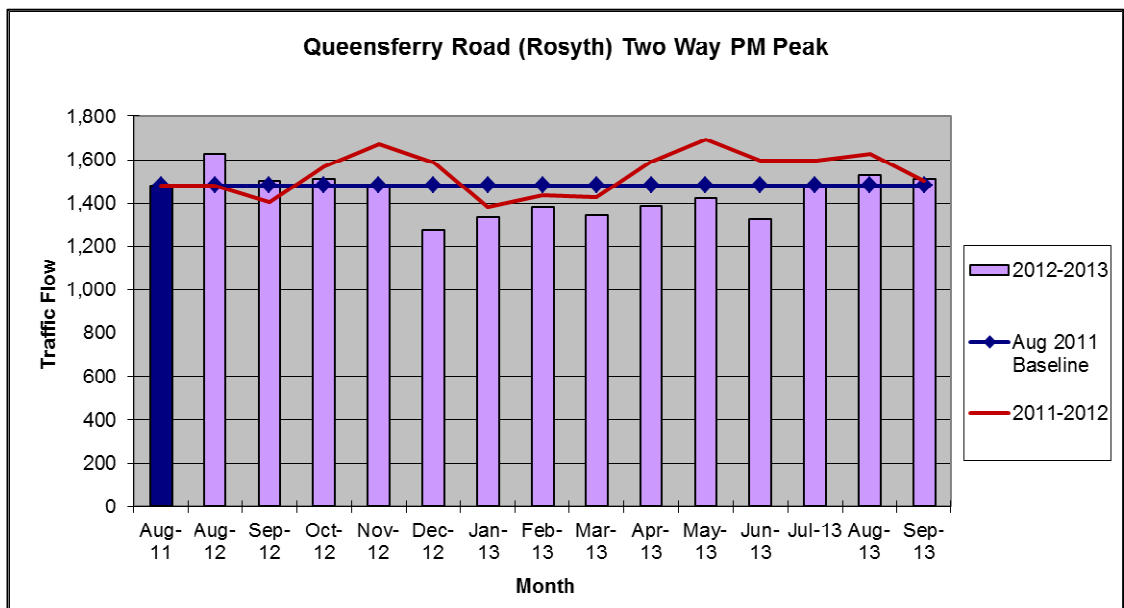


Figure 6-47 Monthly Two Way PM Peak Flows on the Queensferry Road (Rosyth)

### 6.3.4 Monthly Average HGV Flows

Table 6-18 Site: JTC00579 Annual HGV Traffic Flows – August 2012 to September 2013

Counter	Location	Date	EB	WB	Two Way
JTC00579	Queensferry Road (Rosyth)	Aug-11	172	185	356
		Aug-12	182	193	375
		Sep-12	174	190	364
		Oct-12	173	188	361
		Nov-12	174	190	364
		Dec-12	145	158	303
		Jan-13	165	181	346
		Feb-13	167	183	351
		Mar-13	157	181	337
		Apr-13	169	181	350
		May-13	171	188	360
		Jun-13	163	180	342
		Jul-13	175	185	360
		Aug-13	178	191	369
		Sep-13	173	188	362
<b>Annual Average</b>			<b>168</b>	<b>183</b>	<b>351</b>

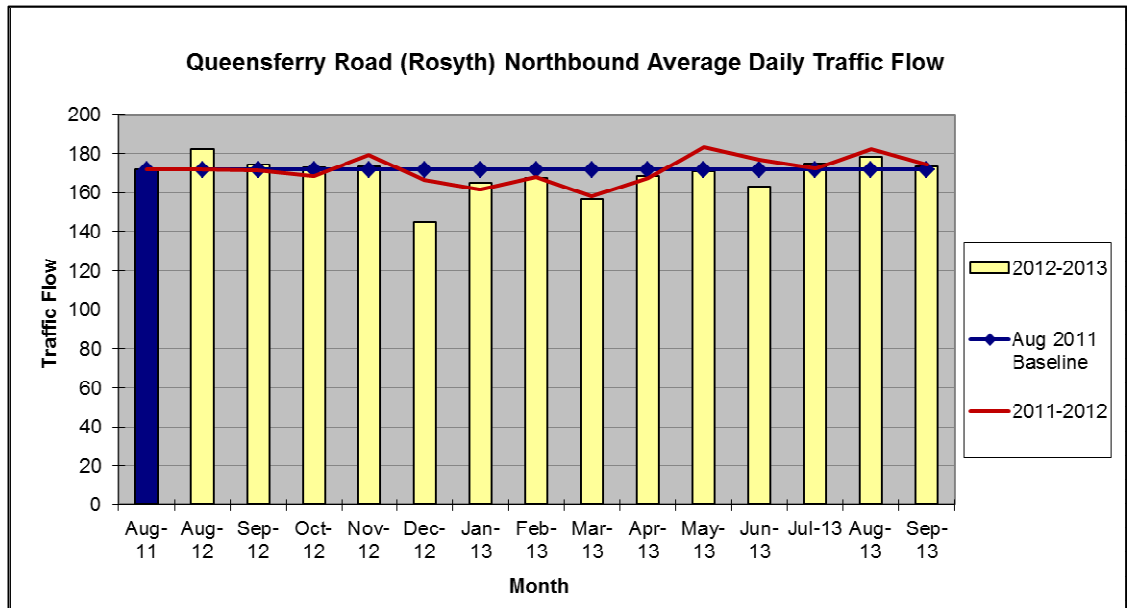


Figure 6-48 Monthly Eastbound HGV Flows on the Queensferry Road (Rosyth)

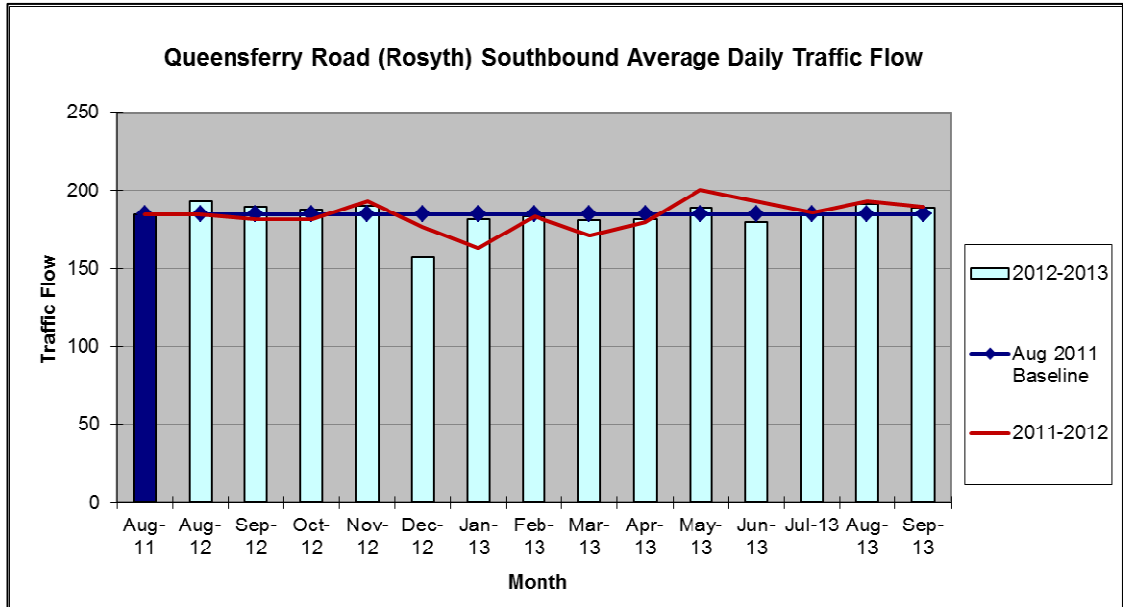


Figure 6-49 Monthly Westbound HGV Flows on the Queensferry Road (Rosyth)

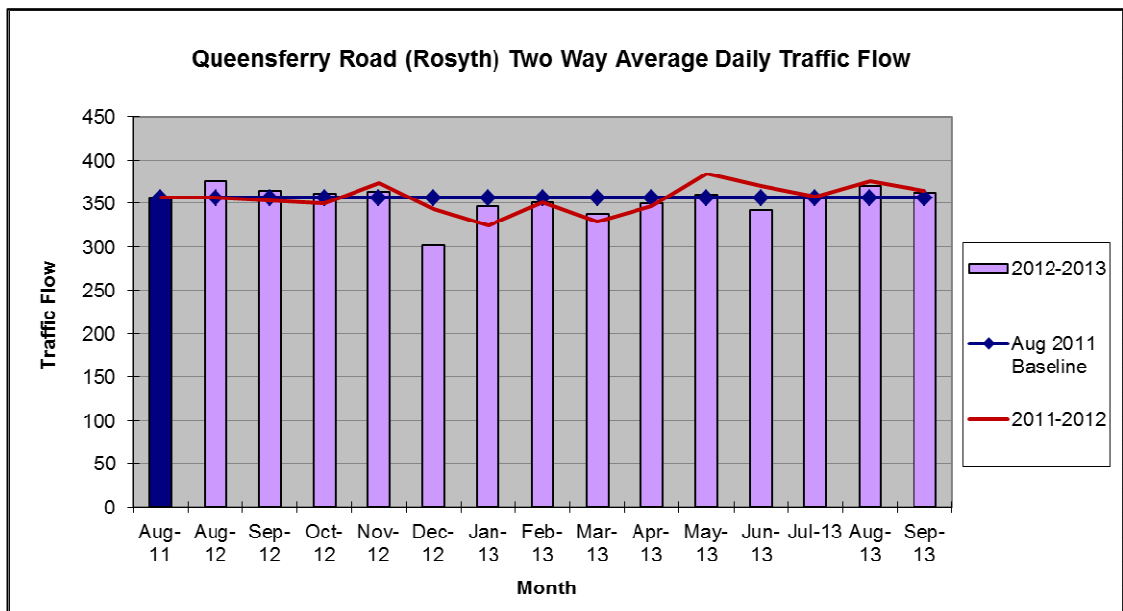


Figure 6-50 Monthly Two Way HGV Flows on the Queensferry Road (Rosyth)

### 6.3.5 Monthly Average AM Peak HGV Flows

Table 6-19 Site: JTC00579 AM Peak HGV Traffic Flows – August 2012 to September 2013

Counter	Location	Date	EB	WB	Two Way
JTC00579	Queensferry Road (Rosyth)	Aug-11	31	39	70
		Aug-12	34	40	74
		Sep-12	34	39	73
		Oct-12	31	40	71
		Nov-12	26	38	64
		Dec-12	21	31	52
		Jan-13	32	39	70
		Feb-13	32	38	70
		Mar-13	29	36	66
		Apr-13	30	35	64
		May-13	34	40	74
		Jun-13	33	39	72
		Jul-13	31	37	68
		Aug-13	32	39	71
		Sep-13	32	39	72
<b>Annual Average</b>			<b>30</b>	<b>38</b>	<b>68</b>

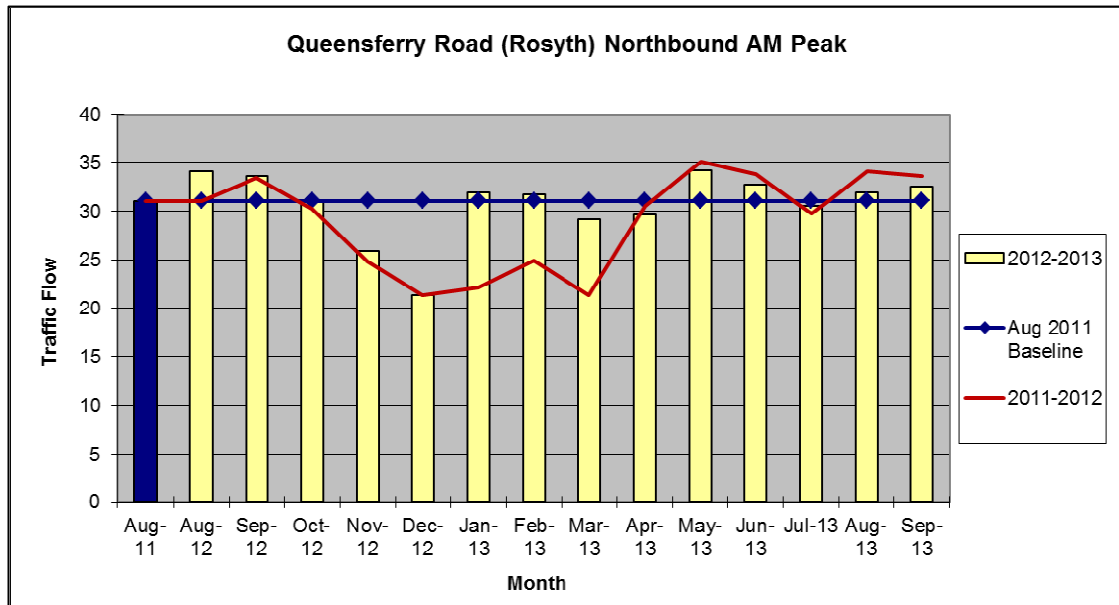


Figure 6-51 Monthly Eastbound AM Peak HGV Flows on the Queensferry Road (Rosyth)

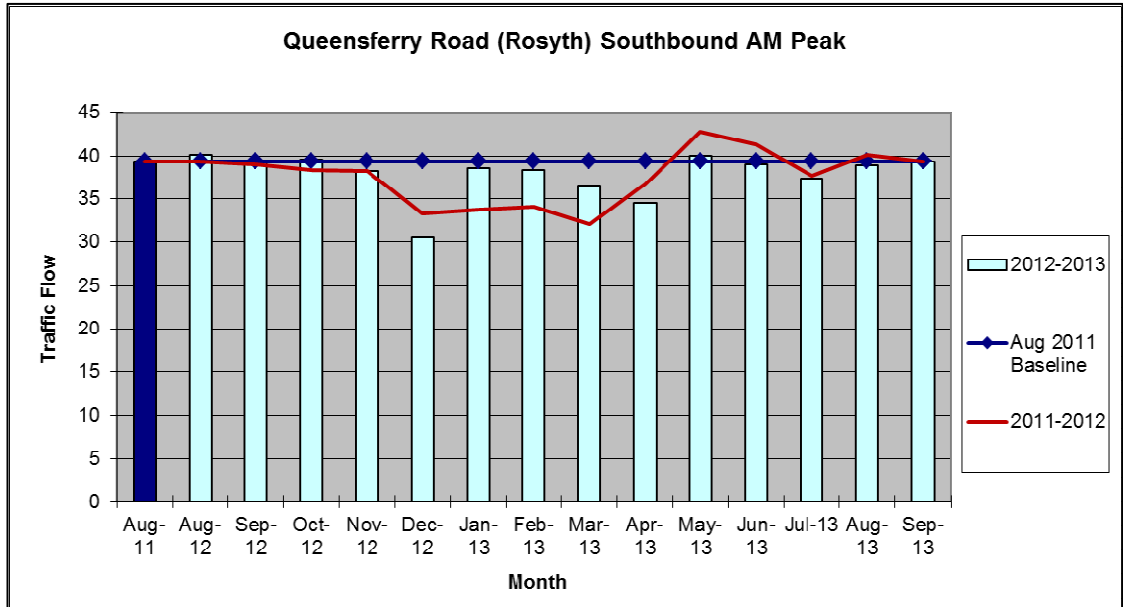


Figure 6-52 Monthly Westbound AM Peak HGV Flows on the Queensferry Road (Rosyth)

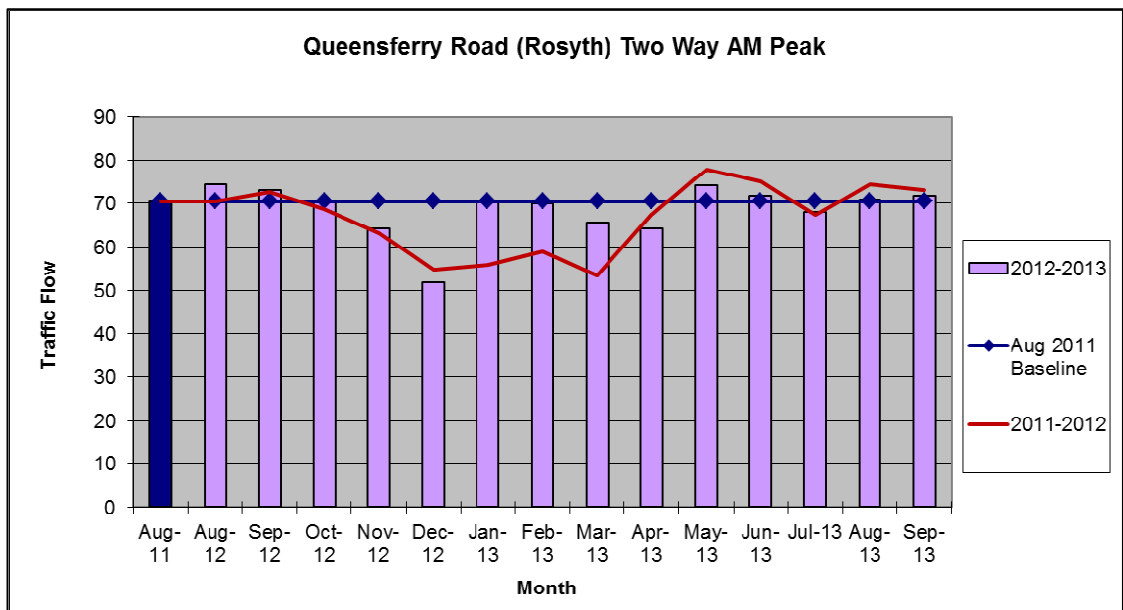


Figure 6-53 Monthly Two Way AM Peak HGV Flows on the Queensferry Road (Rosyth)

### 6.3.6 Monthly Average PM Peak HGV Flows

Table 6-20 Site: JTC00579 PM Peak HGV Traffic Flows – August 2012 to September 2013

Counter	Location	Date	EB	WB	Two Way
JTC00579	Queensferry Road (Rosyth)	Aug-11	41	37	78
		Aug-12	44	38	81
		Sep-12	41	37	79
		Oct-12	42	38	80
		Nov-12	37	44	81
		Dec-12	33	35	68
		Jan-13	40	36	76
		Feb-13	39	37	76
		Mar-13	40	36	76
		Apr-13	41	35	76
		May-13	39	37	77
		Jun-13	37	35	72
		Jul-13	43	37	80
		Aug-13	43	39	82
		Sep-13	43	39	81
<b>Annual Average</b>			<b>40</b>	<b>37</b>	<b>77</b>

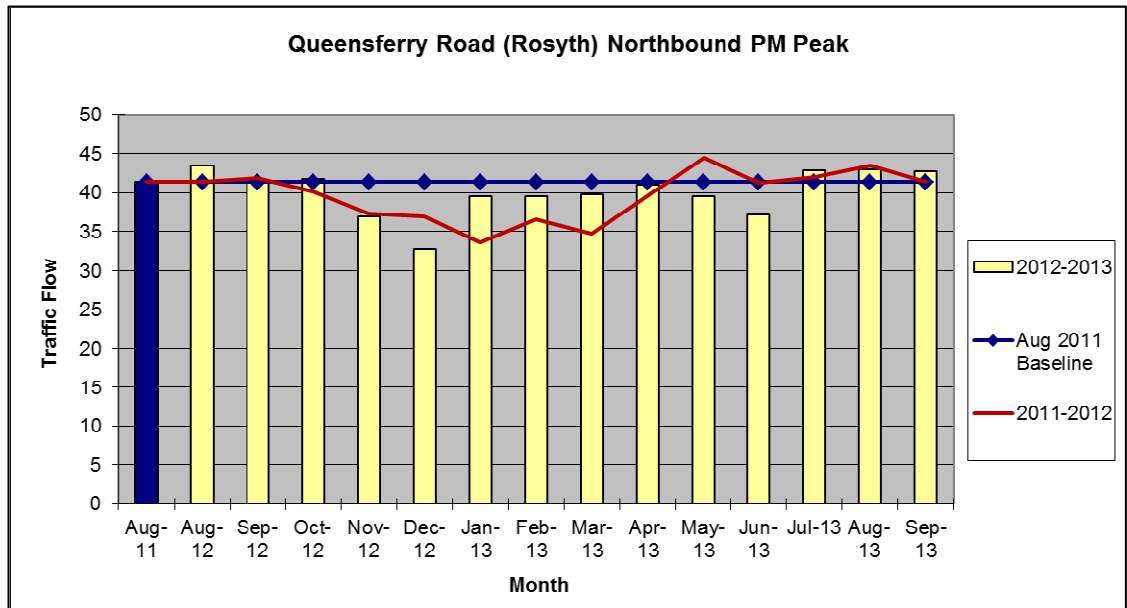


Figure 6-54 Monthly Eastbound PM HGV Peak Flows on the Queensferry Road (Rosyth)

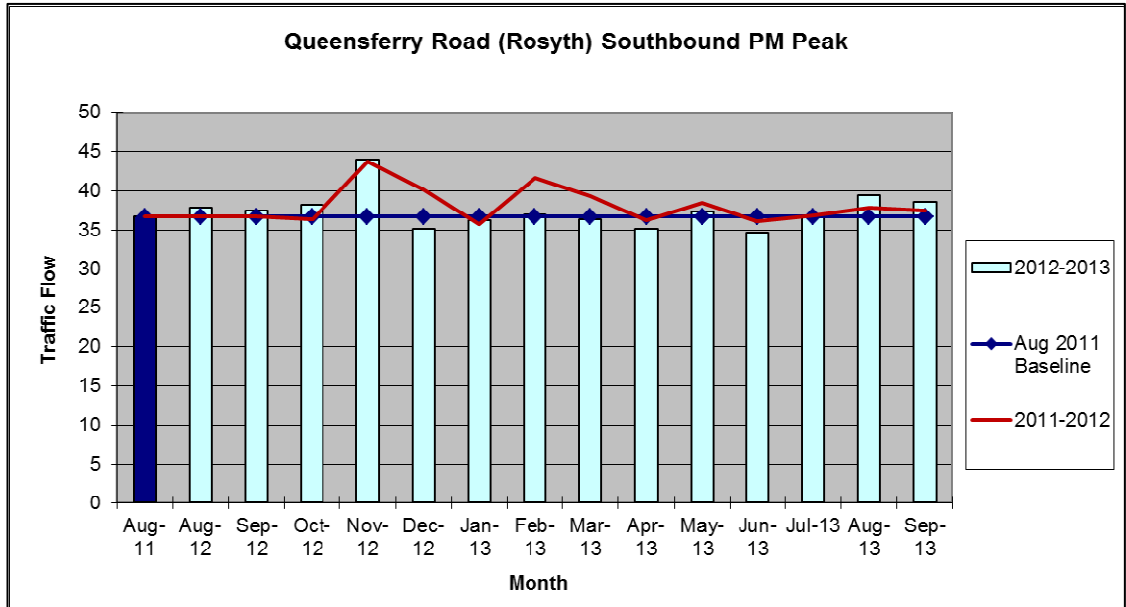


Figure 6-55 Monthly Westbound PM Peak HGV Flows on the Queensferry Road (Rosyth)

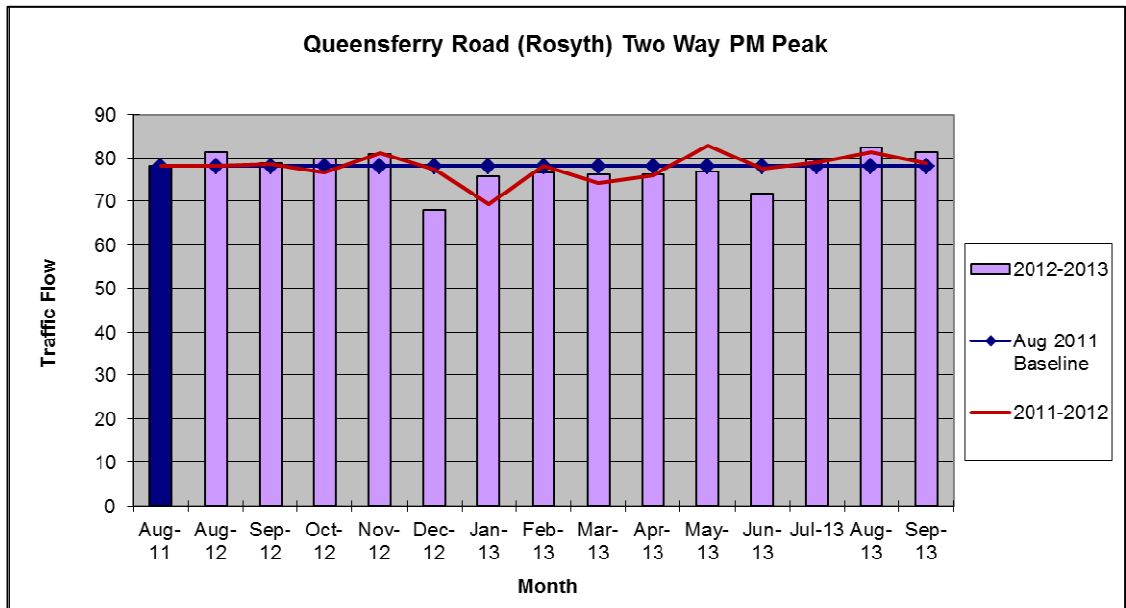


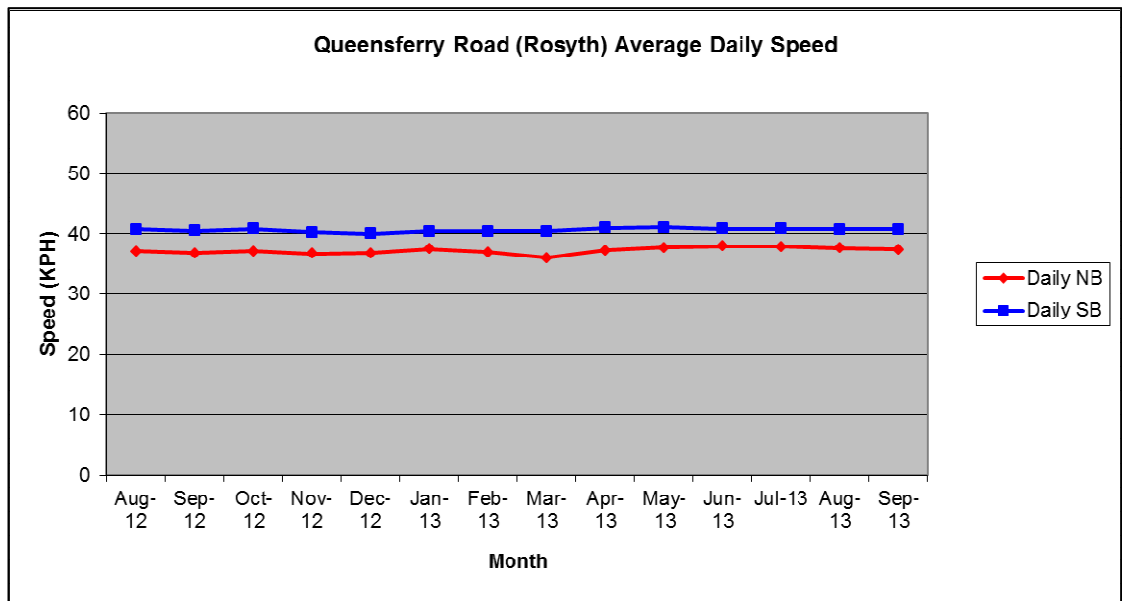
Figure 6-56 Monthly Two Way PM Peak HGV Flows on the Queensferry Road (Rosyth)



### 6.3.7 Monthly Average All Vehicles Traffic Speeds

**Table 6-21 Site: JTC00579 Average Monthly Traffic Speeds (KPH) (All Vehicles) – August 2012 to September 2013**

Counter	Location	Date	EB	WB
JTC00579	Queensferry Road (Rosyth)	Aug-12	37	41
		Sep-12	37	41
		Oct-12	37	41
		Nov-12	37	40
		Dec-12	37	40
		Jan-13	38	40
		Feb-13	37	40
		Mar-13	36	40
		Apr-13	37	41
		May-13	38	41
		Jun-13	38	41
		Jul-13	38	41
		Aug-13	38	41
Sep-13	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 2012 to September 2013

Counter	Location	Date	NB	SB	Two Way
JTC00580	Castle Road (Rosyth)	Aug-11	7,114	3,103	10,217
		Aug-12	7,618	3,079	10,698
		Sep-12	7,563	3,046	10,609
		Oct-12	7,467	3,038	10,504
		Nov-12	7,827	3,153	10,980
		Dec-12	6,950	2,782	9,732
		Jan-13	6,159	2,446	8,605
		Feb-13	No Data	No Data	No Data
		Mar-13	No Data	No Data	No Data
		Apr-13	No Data	No Data	No Data
		May-13	7,617	3,002	10,618
		Jun-13	7,466	2,911	10,377
		Jul-13	7,075	2,763	9,838
		Aug-13	7,531	2,870	10,401
		Sep-13	7,762	2,899	10,661
			<b>Annual Average</b>		<b>7,305</b>

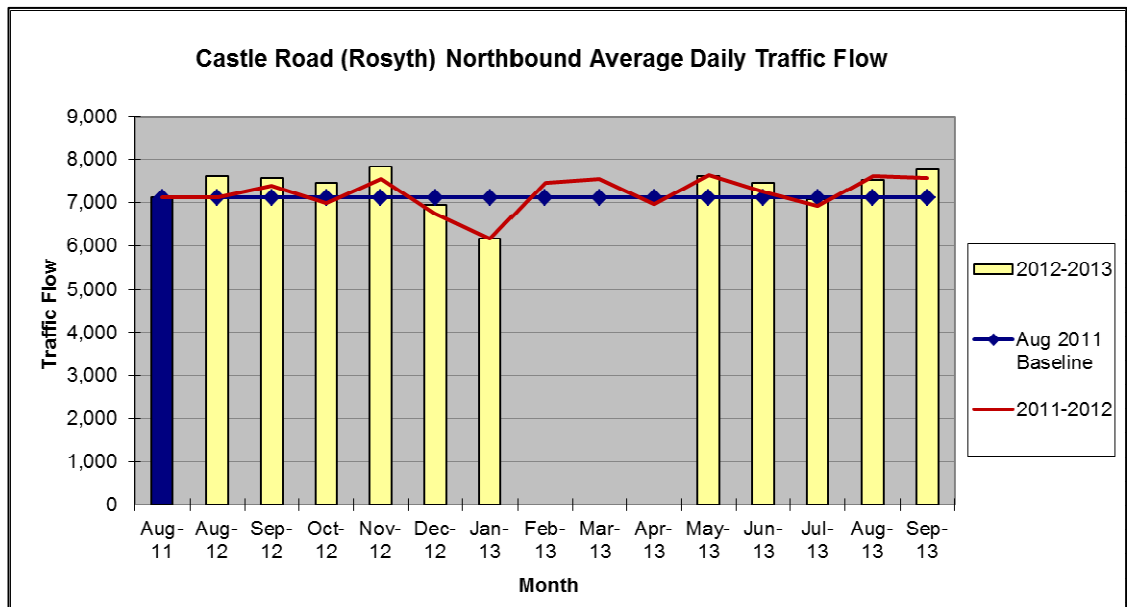


Figure 6-58 Monthly Eastbound AADTs on the Castle Road (Rosyth)

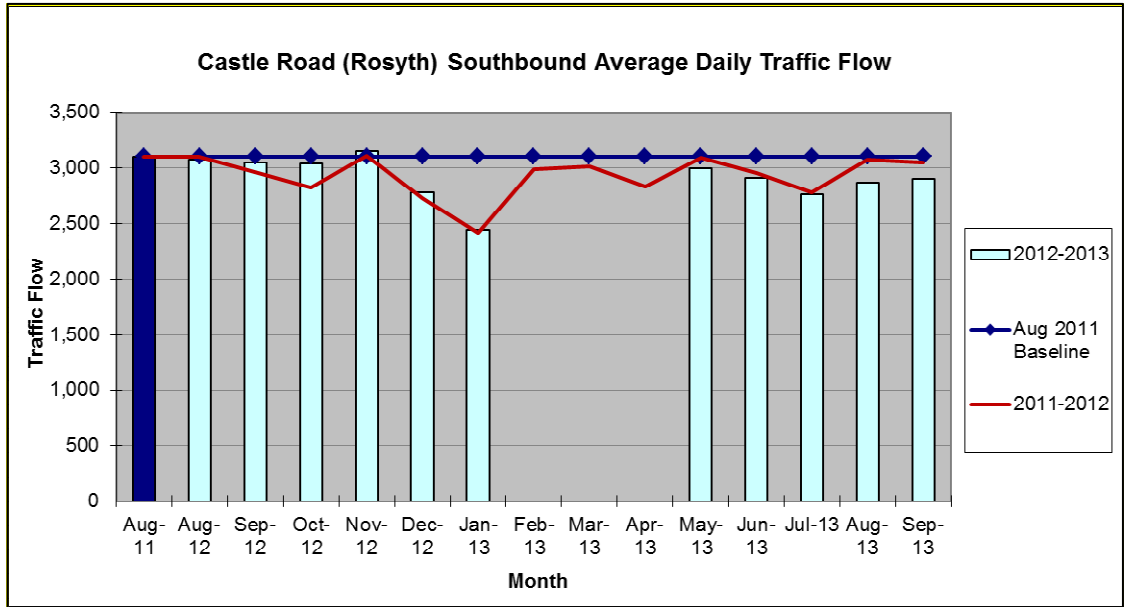


Figure 6-59 Monthly Westbound AADTs on the Castle Road (Rosyth)

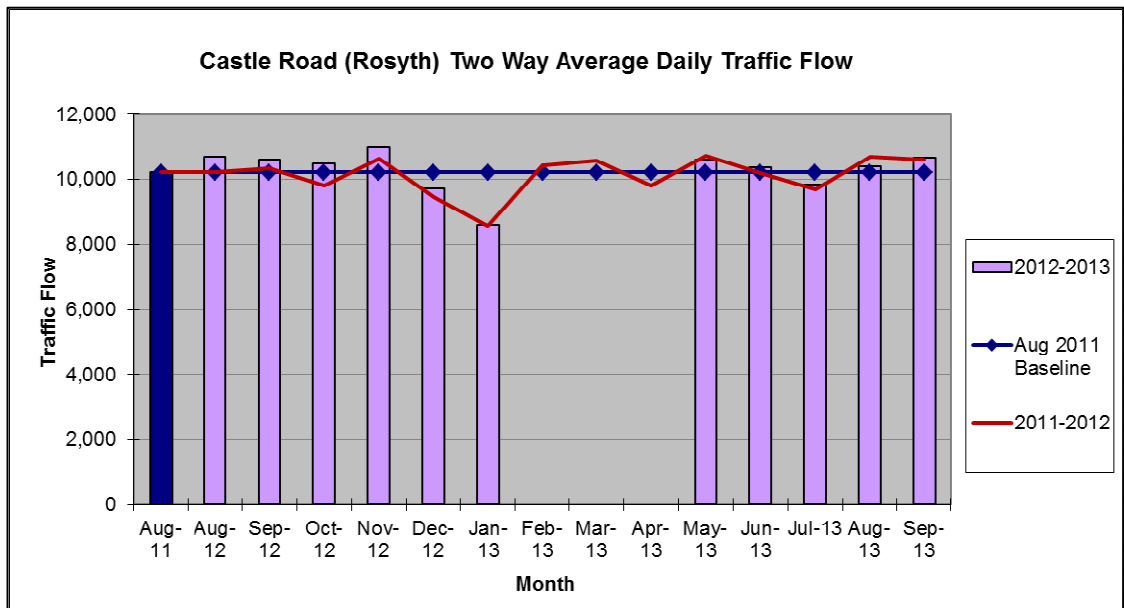


Figure 6-60 Monthly Two Way Daily Traffic Flows on the Castle Road (Rosyth)

### 6.4.2 Monthly Average AM Peak Traffic Flows

Table 6-23 Site: JTC00580 AM Peak Traffic Flows – August 2012 to September 2013

Counter	Location	Date	EB	WB	Two Way
JTC00580	Castle Road (Rosyth)	Aug-11	1,434	535	1,970
		Aug-12	1,479	507	1,986
		Sep-12	1,506	518	2,024
		Oct-12	1,513	507	2,021
		Nov-12	1,681	546	2,228
		Dec-12	1,522	502	2,023
		Jan-13	1,176	369	1,545
		Feb-13	No Data	No Data	No Data
		Mar-13	No Data	No Data	No Data
		Apr-13	No Data	No Data	No Data
		May-13	1,203	481	1,685
		Jun-13	1,191	486	1,677
		Jul-13	1,029	424	1,453
		Aug-13	1,154	463	1,618
		Sep-13	1,289	480	1,769
	<b>Annual Average</b>		<b>1,367</b>	<b>482</b>	<b>1,849</b>

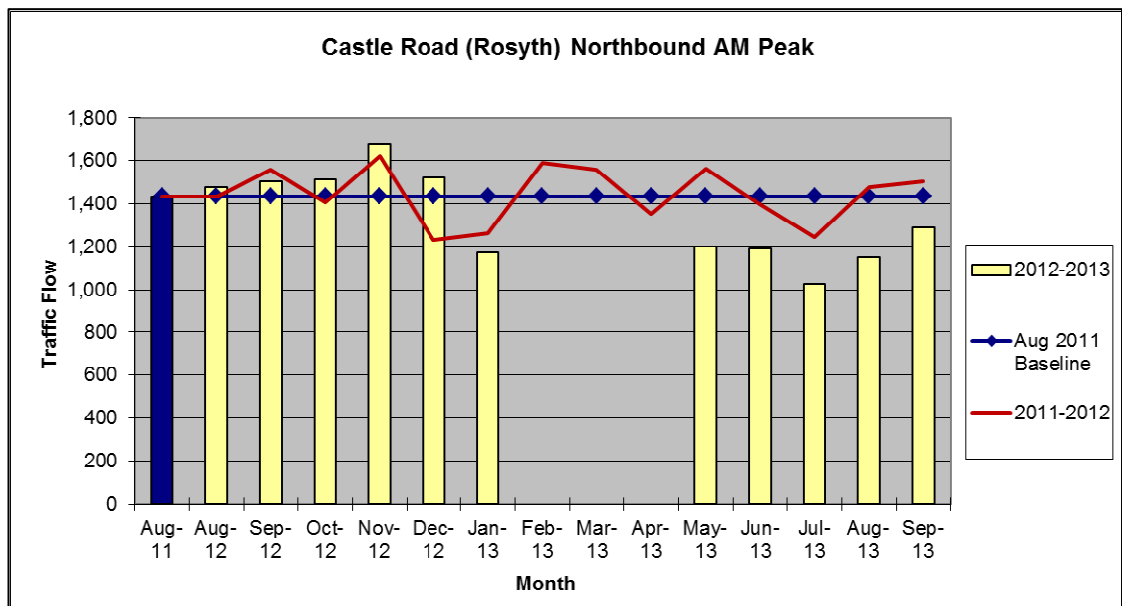


Figure 6-61 Monthly Eastbound AM Peak Flows on the Castle Road (Rosyth)

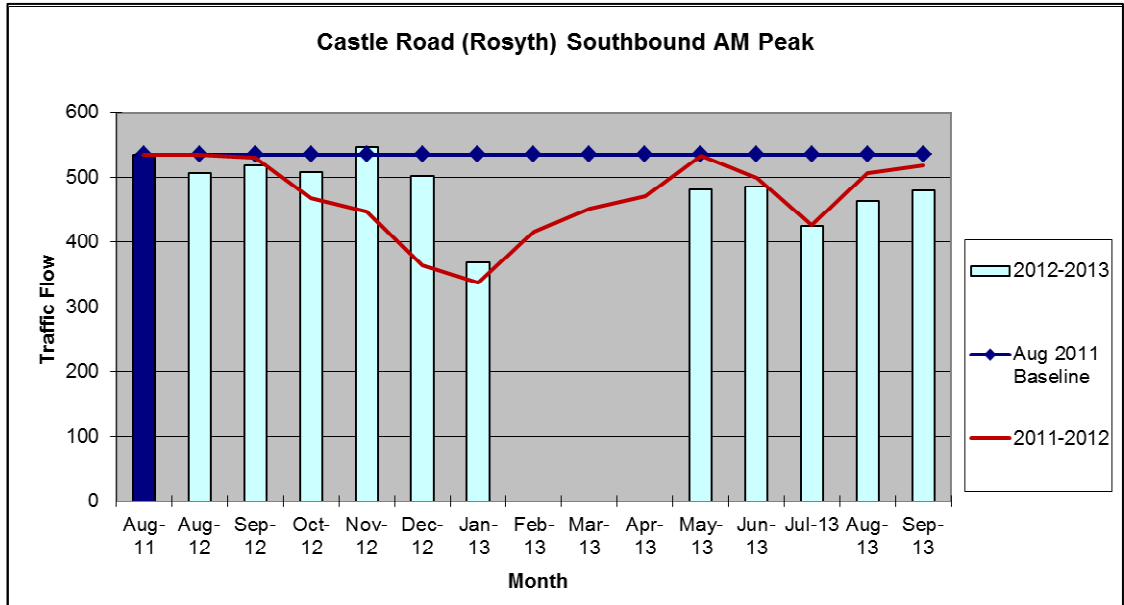


Figure 6-62 Monthly Westbound AM Peak Flows on the Castle Road (Rosyth)

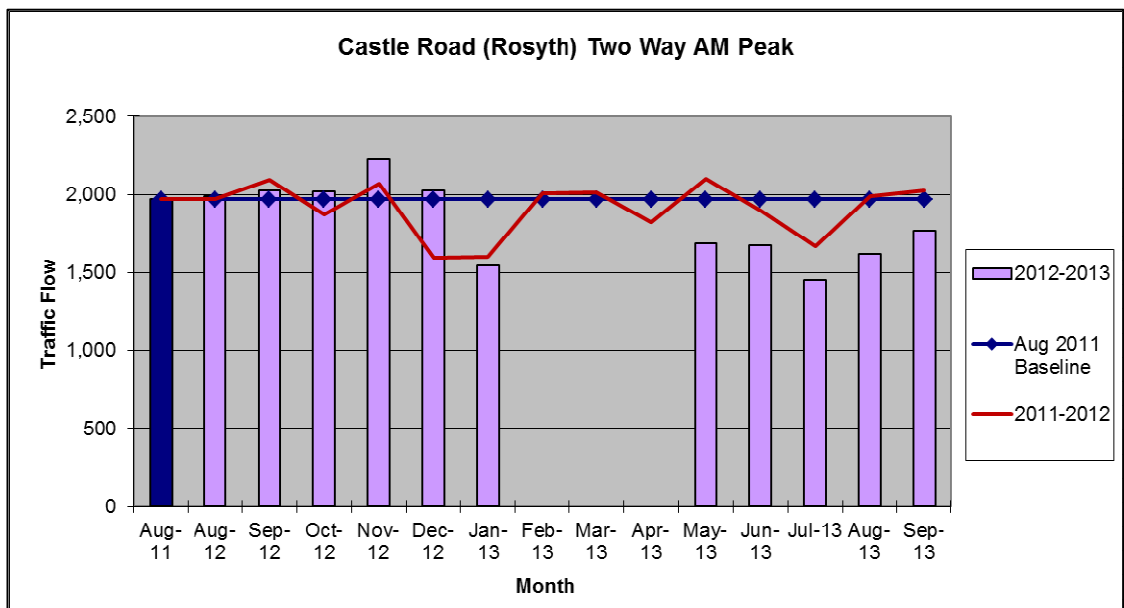


Figure 6-63 Monthly Two Way AM Peak Flows on the Castle Road (Rosyth)

### 6.4.3 Monthly Average PM Peak Traffic Flows

Table 6-24 Site: JTC00580 PM Peak Traffic Flows – August 2012 to September 2013

Counter	Location	Date	NB	SB	Two Way
JTC00580	Castle Road (Rosyth)	Aug-11	1,562	846	2,408
		Aug-12	1,707	859	2,567
		Sep-12	1,695	849	2,543
		Oct-12	1,684	895	2,580
		Nov-12	1,714	908	2,622
		Dec-12	1,442	745	2,188
		Jan-13	1,410	743	2,153
		Feb-13	No Data	No Data	No Data
		Mar-13	No Data	No Data	No Data
		Apr-13	No Data	No Data	No Data
		May-13	1,596	737	2,333
		Jun-13	1,483	690	2,174
		Jul-13	1,444	699	2,144
		Aug-13	1,534	695	2,229
		Sep-13	1,554	701	2,255
		<b>Annual Average</b>			<b>1,575</b>

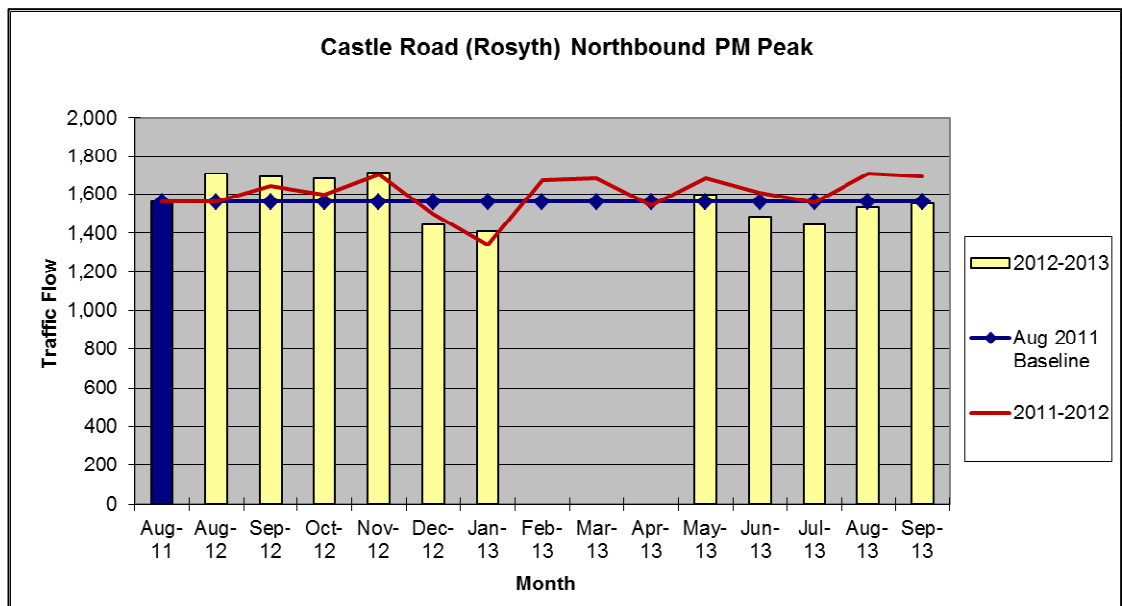


Figure 6-64 Monthly Northbound PM Peak Flows on the Castle Road (Rosyth)

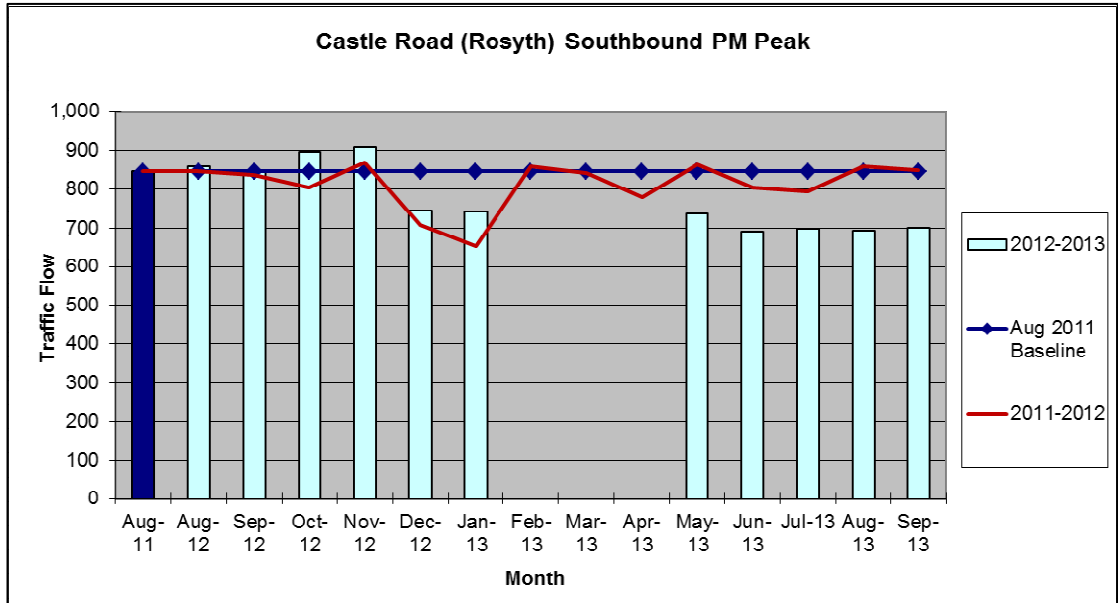


Figure 6-65 Monthly Southbound PM Peak Flows on the Castle Road (Rosyth)

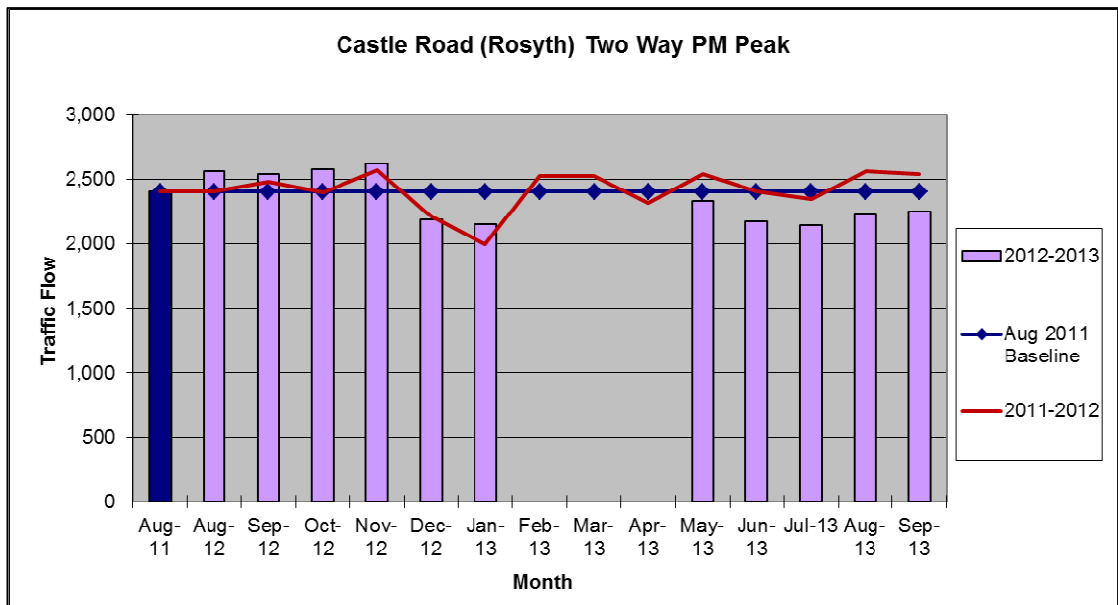


Figure 6-66 Monthly Two Way PM Peak Flows on the Castle Road (Rosyth)

### 6.4.4 Monthly Average HGV Flows

Table 6-25 Site: JTC00580 Annual HGV Traffic Flows – August 2012 to September 2013

Counter	Location	Date	NB	SB	Two Way
JTC00580	Castle Road (Rosyth)	Aug-11	93	16	109
		Aug-12	103	26	129
		Sep-12	112	27	139
		Oct-12	105	23	128
		Nov-12	98	27	125
		Dec-12	93	22	114
		Jan-13	83	20	103
		Feb-13	No Data	No Data	No Data
		Mar-13	No Data	No Data	No Data
		Apr-13	No Data	No Data	No Data
		May-13	97	19	116
		Jun-13	104	18	122
		Jul-13	102	19	121
		Aug-13	104	17	121
		Sep-13	102	21	123
<b>Annual Average</b>			<b>100</b>	<b>22</b>	<b>122</b>

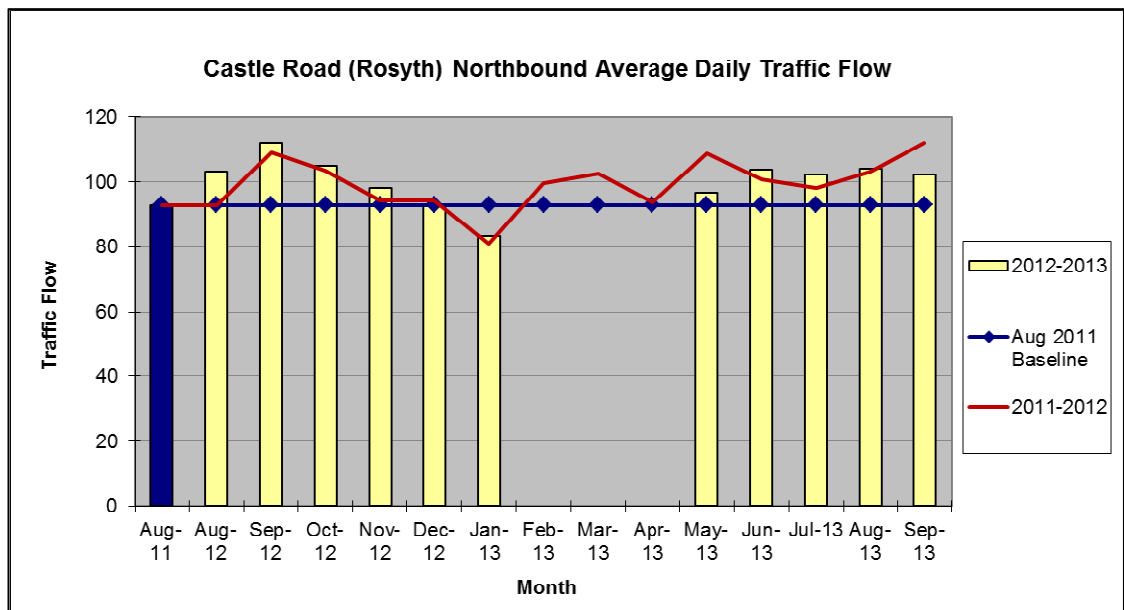


Figure 6-67 Monthly Northbound HGV Flows on the Castle Road (Rosyth)



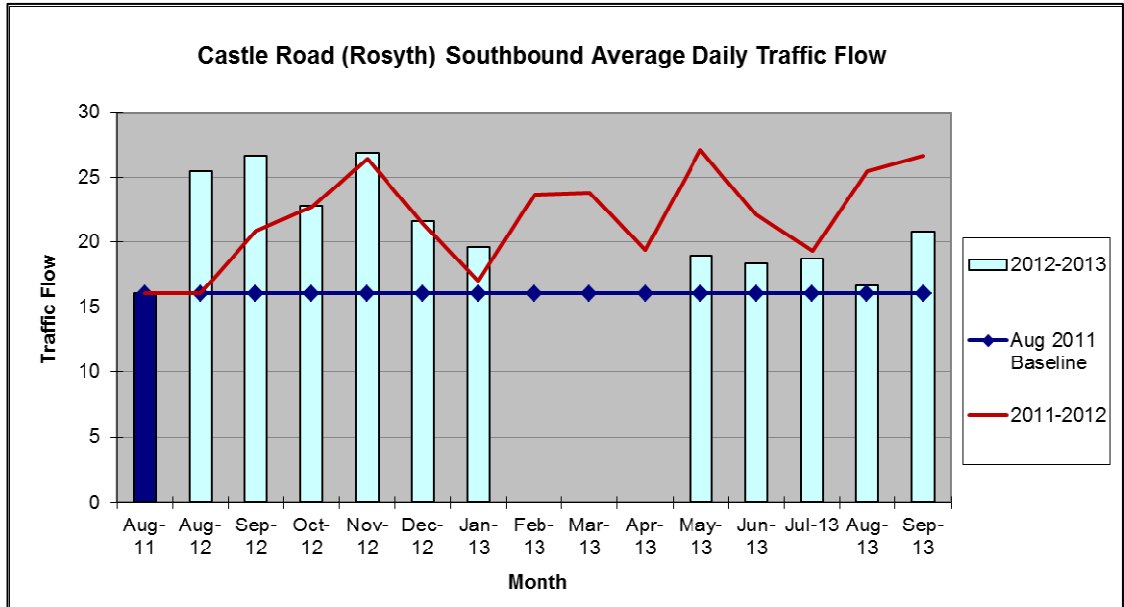


Figure 6-68 Monthly Southbound HGV Flows on the Castle Road (Rosyth)

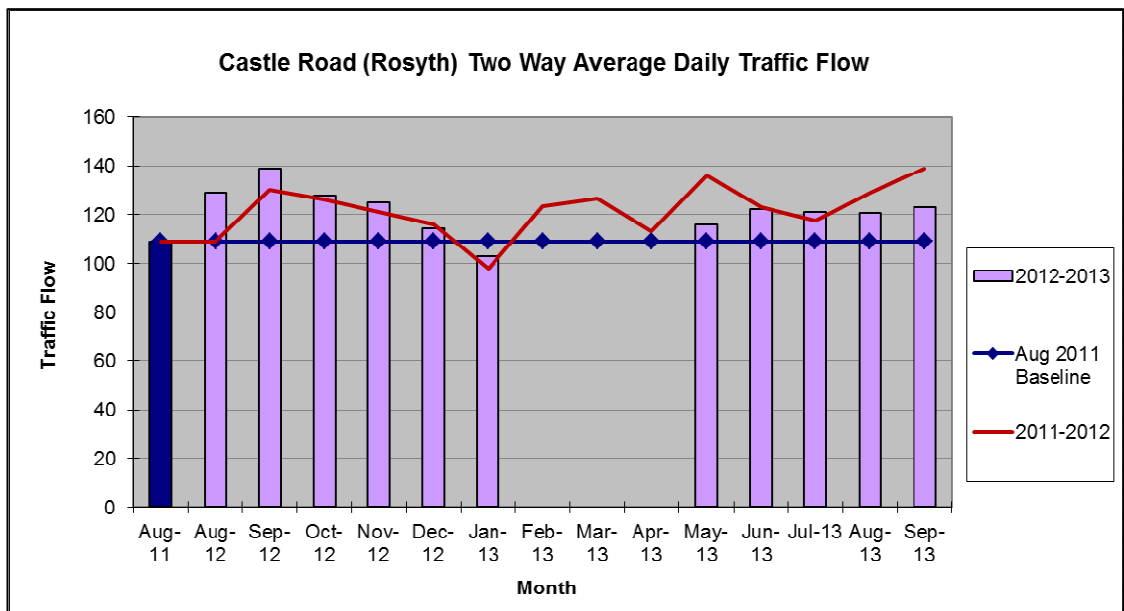


Figure 6-69 Monthly Two Way HGV Flows on the Castle Road (Rosyth)

### 6.4.5 Monthly Average AM Peak HGV Flows

Table 6-26 Site: JTC00580 AM Peak HGV Traffic Flows – August 2012 to September 2013

Counter	Location	Date	NB	SB	Two Way
JTC00580	Castle Road (Rosyth)	Aug-11	24	4	28
		Aug-12	24	7	31
		Sep-12	27	6	33
		Oct-12	23	5	28
		Nov-12	24	6	30
		Dec-12	25	4	29
		Jan-13	17	4	21
		Feb-13	No Data	No Data	No Data
		Mar-13	No Data	No Data	No Data
		Apr-13	No Data	No Data	No Data
		May-13	20	3	23
		Jun-13	23	3	26
		Jul-13	20	3	24
		Aug-13	21	3	24
		Sep-13	23	4	27
			<b>Annual Average</b>		<b>22</b>

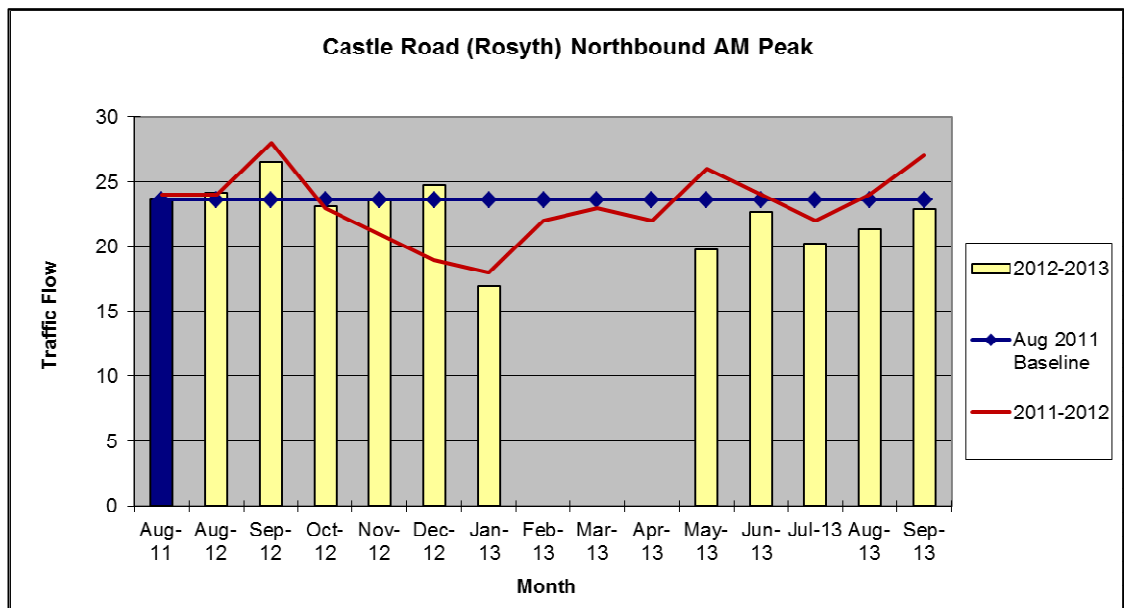


Figure 6-70 Monthly Northbound AM Peak HGV Flows on the Castle Road (Rosyth)

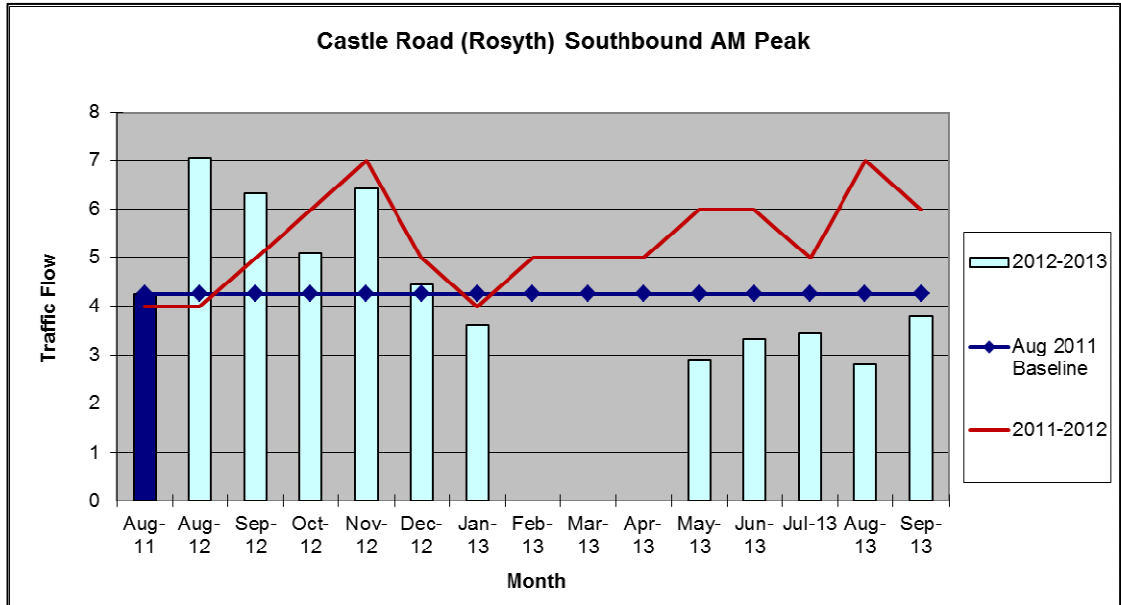


Figure 6-71 Monthly Southbound AM Peak HGV Flows on the Castle Road (Rosyth)

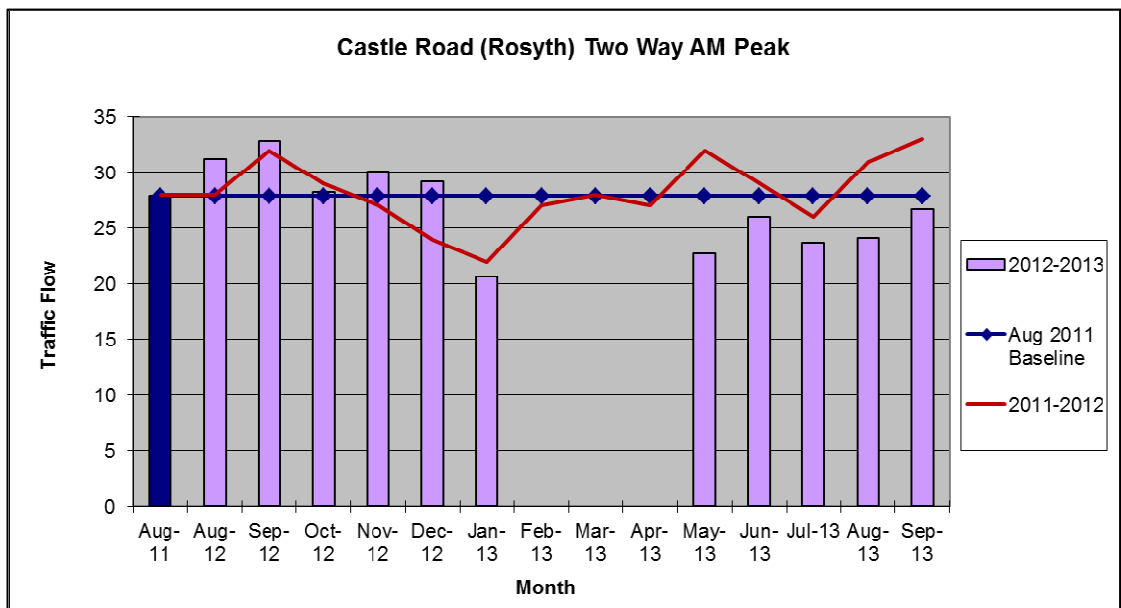


Figure 6-72 Monthly Two Way AM Peak HGV Flows on the Castle Road (Rosyth)

### 6.4.6 Monthly Average PM Peak HGV Flows

Table 6-27 Site: JTC00580 PM Peak HGV Traffic Flows – August 2012 to September 2013

Counter	Location	Date	NB	SB	Two Way
JTC00580	Castle Road (Rosyth)	Aug-11	16	5	21
		Aug-12	20	7	28
		Sep-12	21	7	28
		Oct-12	20	7	27
		Nov-12	18	8	26
		Dec-12	16	8	24
		Jan-13	17	6	23
		Feb-13	No Data	No Data	No Data
		Mar-13	No Data	No Data	No Data
		Apr-13	No Data	No Data	No Data
		May-13	16	6	22
		Jun-13	15	5	21
		Jul-13	16	6	22
		Aug-13	15	5	20
		Sep-13	15	6	21
		<b>Annual Average</b>			<b>18</b>

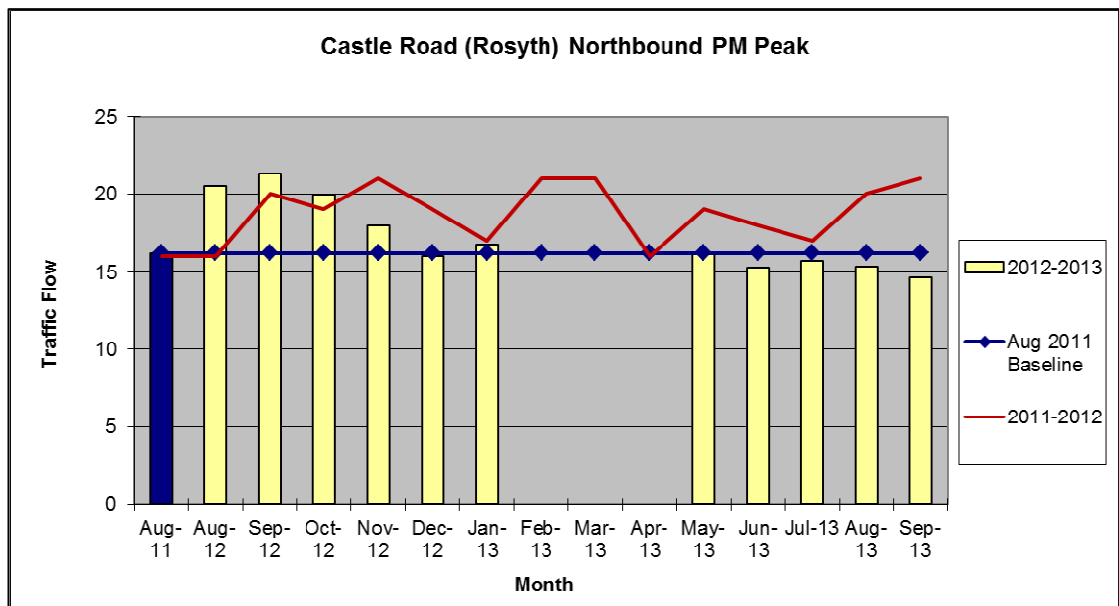


Figure 6-73 Monthly Northbound PM HGV Peak Flows on the Castle Road (Rosyth)

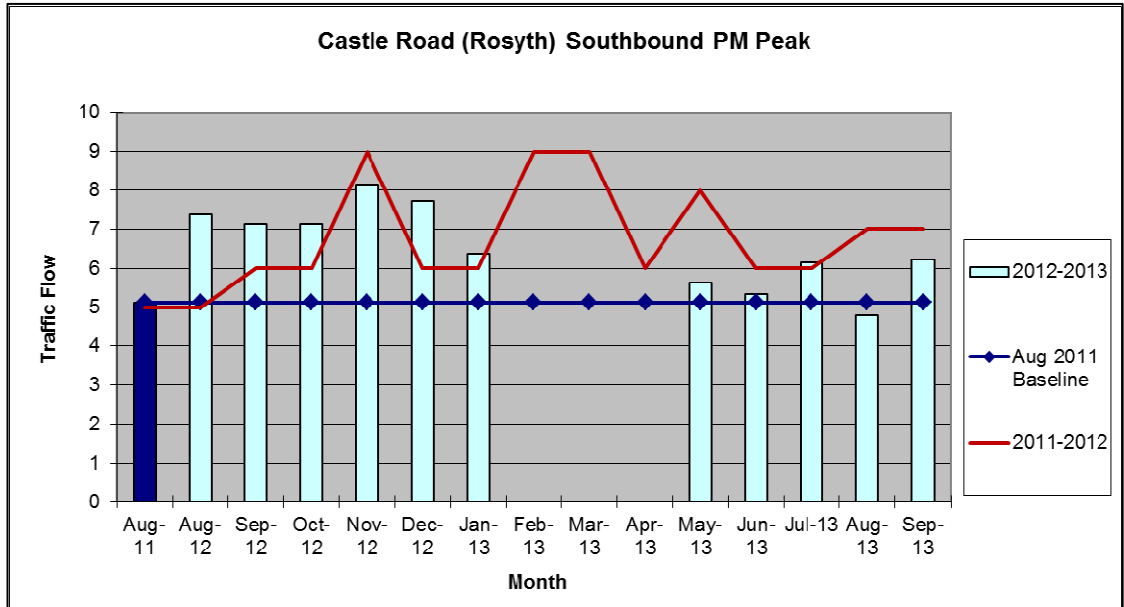


Figure 6-74 Monthly Southbound PM Peak HGV Flows on the Castle Road (Rosyth)

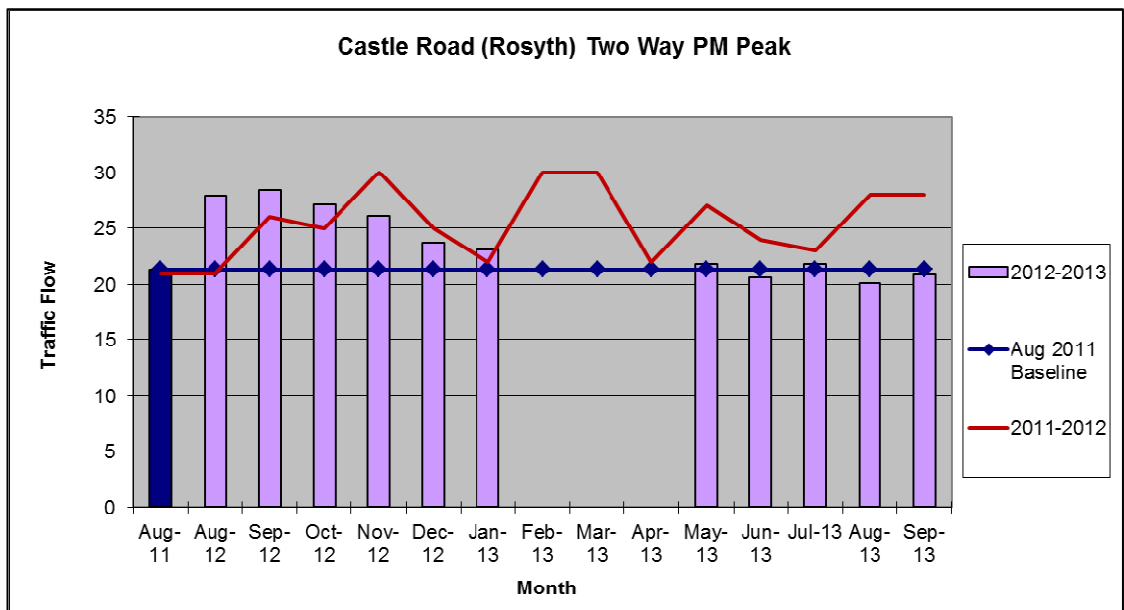
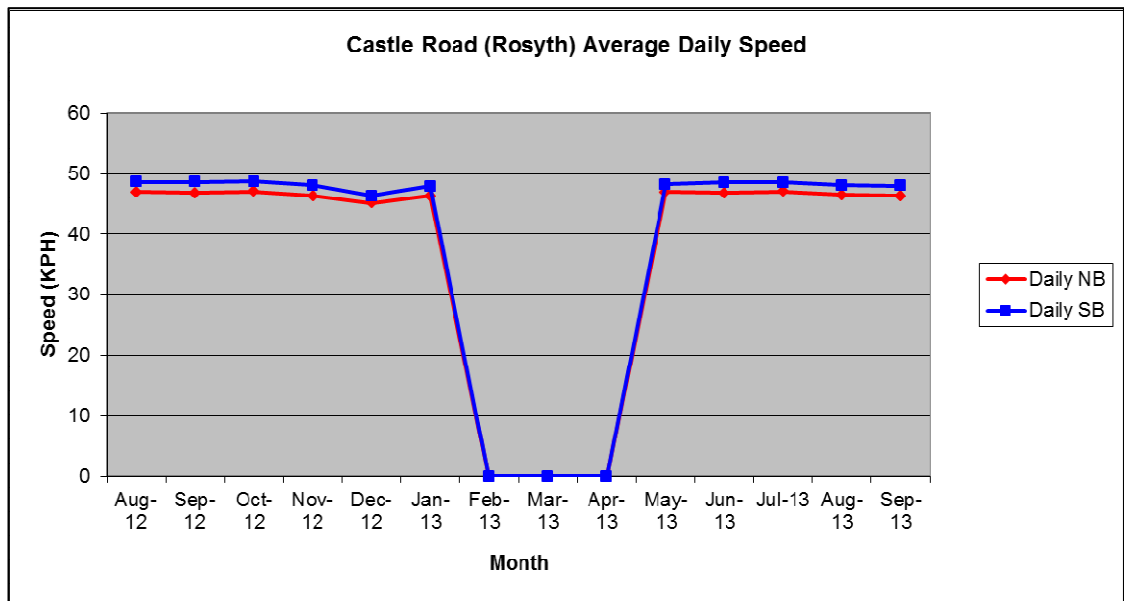


Figure 6-75 Monthly Two Way PM Peak HGV Flows on the Castle Road (Rosyth)

### 6.4.7 Monthly Average All Vehicles Traffic Speeds

**Table 6-28 Site: JTC00580 Average Monthly Traffic Speeds (KPH) (All Vehicles) – August 2012 to September 2013**

Counter	Location	Date	NB	SB
JTC00580	Castle Road (Rosyth)	Aug-12	47	49
		Sep-12	47	49
		Oct-12	47	49
		Nov-12	46	48
		Dec-12	45	46
		Jan-13	46	48
		Feb-13	No Data	No Data
		Mar-13	No Data	No Data
		Apr-13	No Data	No Data
		May-13	47	48
		Jun-13	47	49
		Jul-13	47	49
		Aug-13	47	48
		Sep-13	46	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 2012 to September 2013

Counter	Location	Date	NB	SB	Two Way
JTC00585	Sanderling Way (Dunfermline)	Aug-11	7,137	7,296	14,434
		Aug-12	7,079	7,328	14,407
		Sep-12	6,762	6,940	13,702
		Oct-12	6,952	7,144	14,096
		Nov-12	7,438	7,679	15,116
		Dec-12	6,881	7,067	13,948
		Jan-13	6,414	6,604	13,017
		Feb-13	6,719	6,987	13,706
		Mar-13	6,715	6,750	13,465
		Apr-13	6,899	7,070	13,970
		May-13	7,162	7,350	14,512
		Jun-13	7,044	7,221	14,266
		Jul-13	6,716	6,919	13,634
		Aug-13	7,188	7,445	14,633
		Sep-13	6,987	7,201	14,187
		<b>Annual Average</b>			<b>6,898</b>

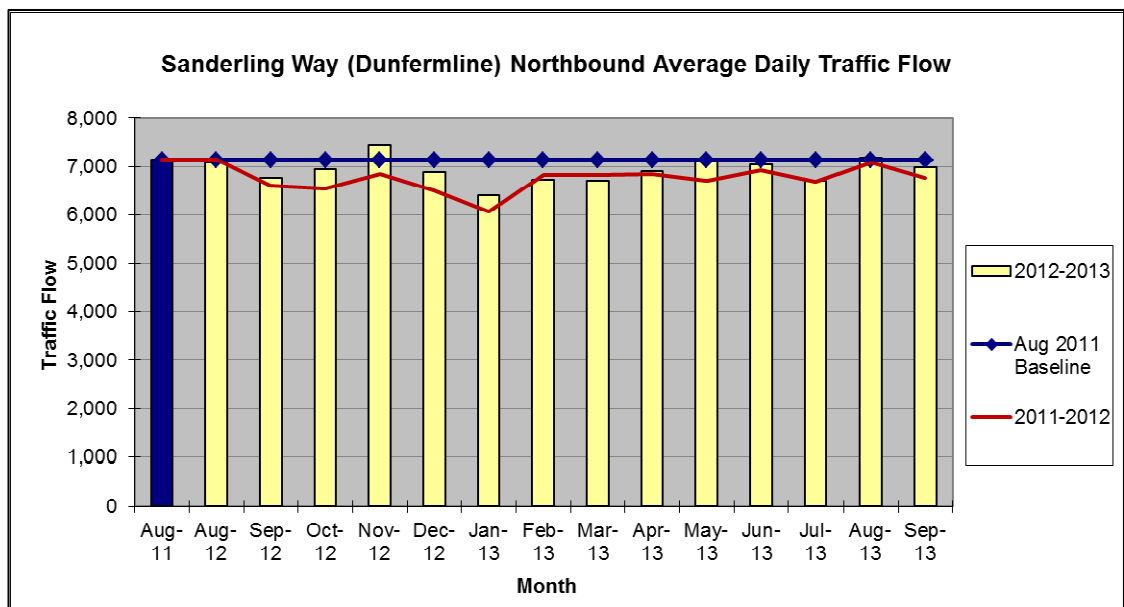


Figure 6-77 Monthly Northbound AADTs on the Sanderling Way (Dunfermline)

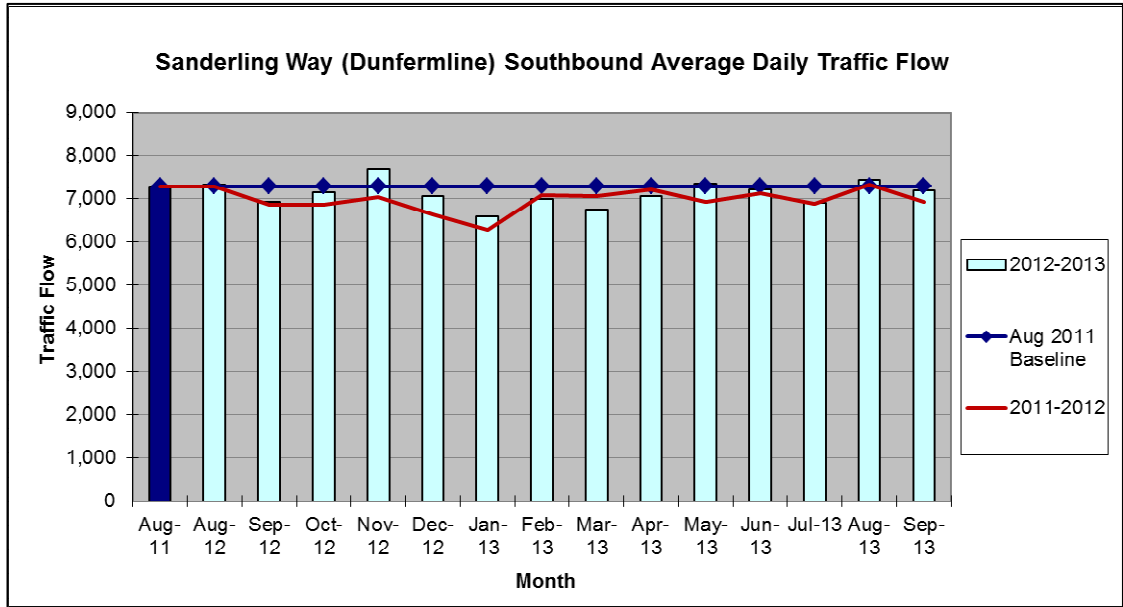


Figure 6-78 Monthly Southbound AADTs on the Sanderling Way (Dunfermline)

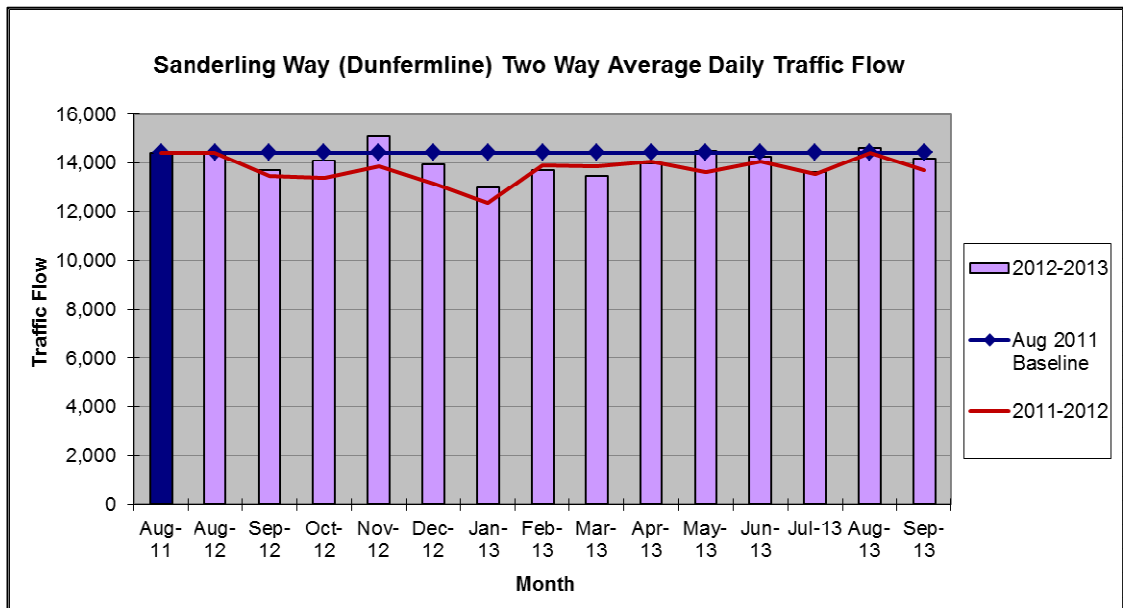


Figure 6-79 Monthly Two Way Daily Traffic Flows on the Sanderling Way (Dunfermline)



### 6.5.2 Monthly Average AM Peak Traffic Flows

Table 6-30 Site: JTC00585 AM Peak Traffic Flows – August 2012 to September 2013

Counter	Location	Date	NB	SB	Two Way
JTC00585	Sanderling Way (Dunfermline)	Aug-11	986	894	1,880
		Aug-12	993	950	1,942
		Sep-12	1,017	934	1,950
		Oct-12	998	894	1,892
		Nov-12	1,012	990	2,003
		Dec-12	861	796	1,658
		Jan-13	900	813	1,712
		Feb-13	955	887	1,842
		Mar-13	983	888	1,871
		Apr-13	987	881	1,868
		May-13	1,053	954	2,007
		Jun-13	976	886	1,862
		Jul-13	903	785	1,688
		Aug-13	995	896	1,891
		Sep-13	1,057	938	1,995
<b>Annual Average</b>			<b>970</b>	<b>888</b>	<b>1,858</b>

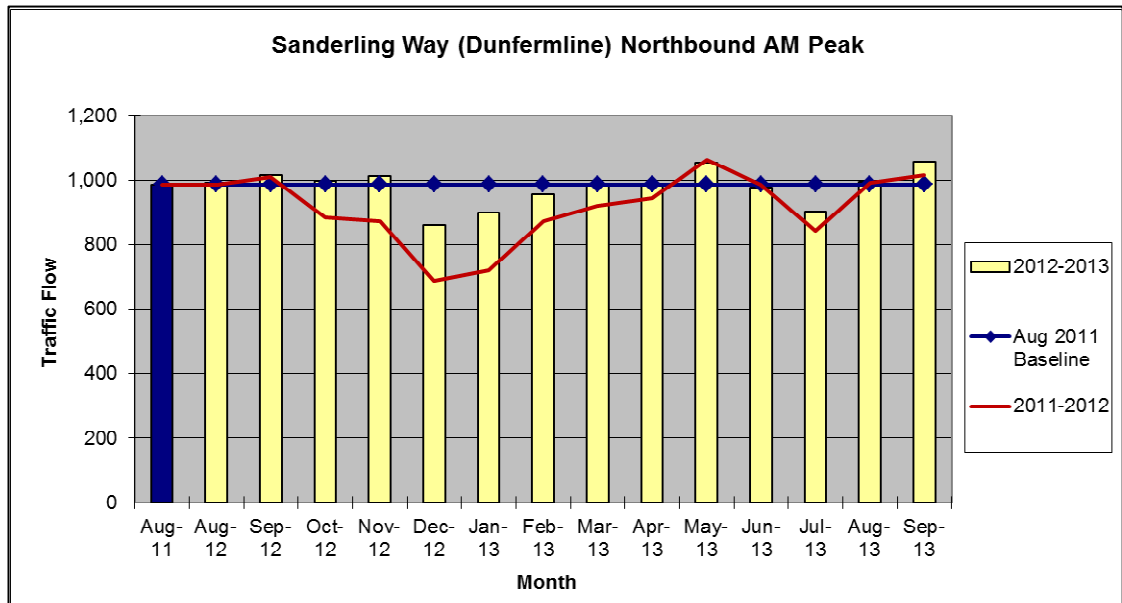


Figure 6-80 Monthly Northbound AM Peak Flows on the Sanderling Way (Dunfermline)

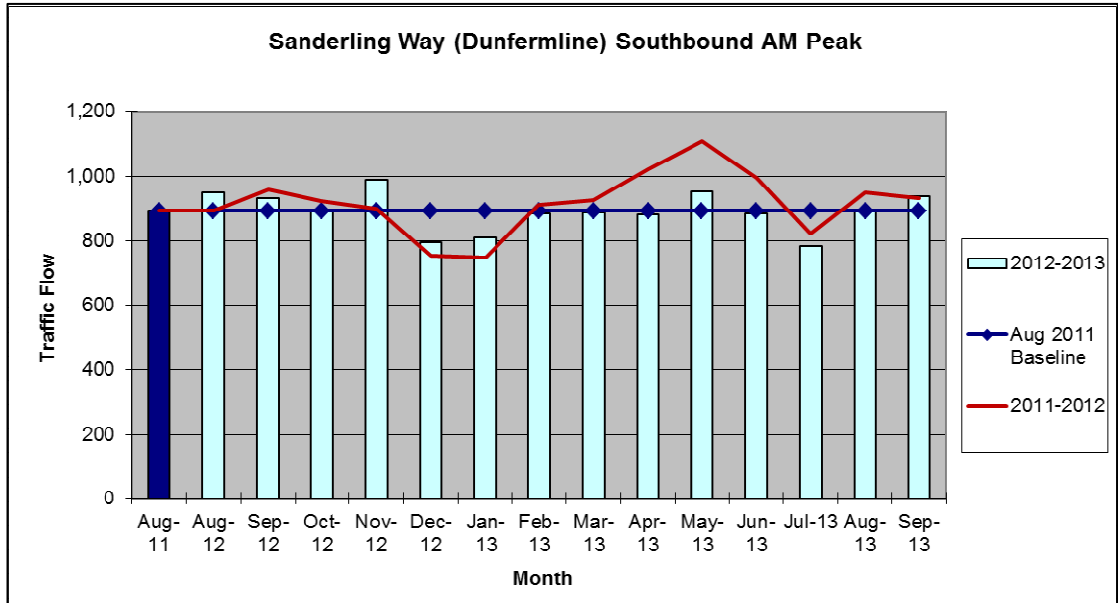


Figure 6-81 Monthly Southbound AM Peak Flows on the Sanderling Way (Dunfermline)

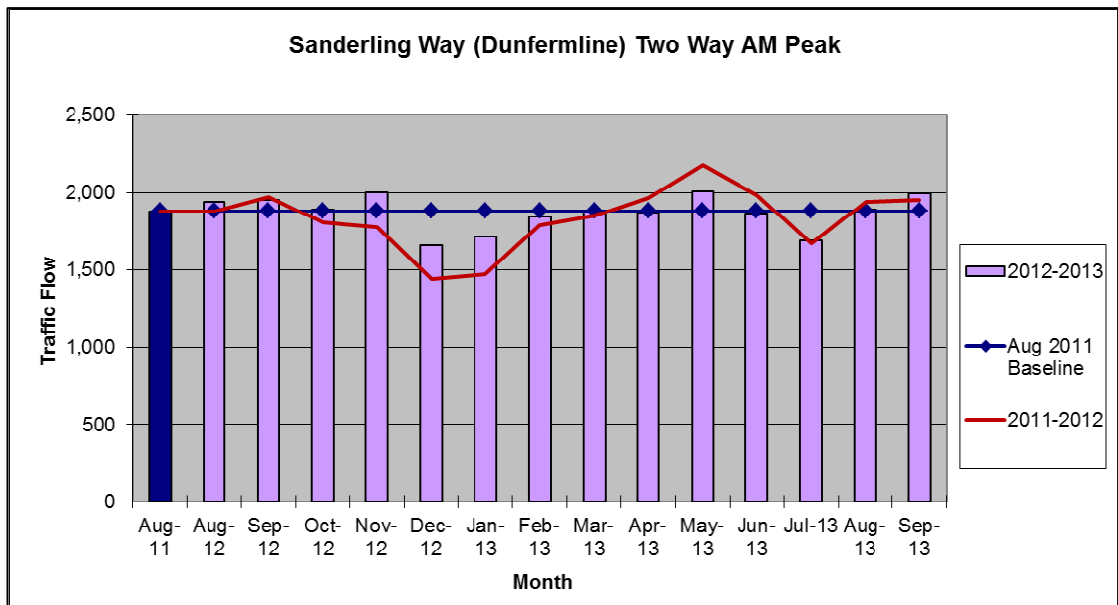


Figure 6-82 Monthly Two Way AM Peak Flows on the Sanderling Way (Dunfermline)

### 6.5.3 Monthly Average PM Peak Traffic Flows

Table 6-31 Site: JTC00585 PM Peak Traffic Flows – August 2012 to September 2013

Counter	Location	Date	NB	SB	Two Way
JTC00585	Sanderling Way (Dunfermline)	Aug-11	1,597	2,061	3,658
		Aug-12	1,595	1,983	3,578
		Sep-12	1,512	1,867	3,379
		Oct-12	1,527	1,870	3,397
		Nov-12	1,781	1,906	3,687
		Dec-12	1,512	1,697	3,208
		Jan-13	1,423	1,769	3,192
		Feb-13	1,484	1,854	3,338
		Mar-13	1,516	1,769	3,285
		Apr-13	1,541	1,878	3,419
		May-13	1,603	1,962	3,565
		Jun-13	1,590	1,949	3,539
		Jul-13	1,464	1,844	3,308
		Aug-13	1,606	2,028	3,634
		Sep-13	1,592	2,003	3,595
<b>Annual Average</b>			<b>1,546</b>	<b>1,862</b>	<b>3,408</b>

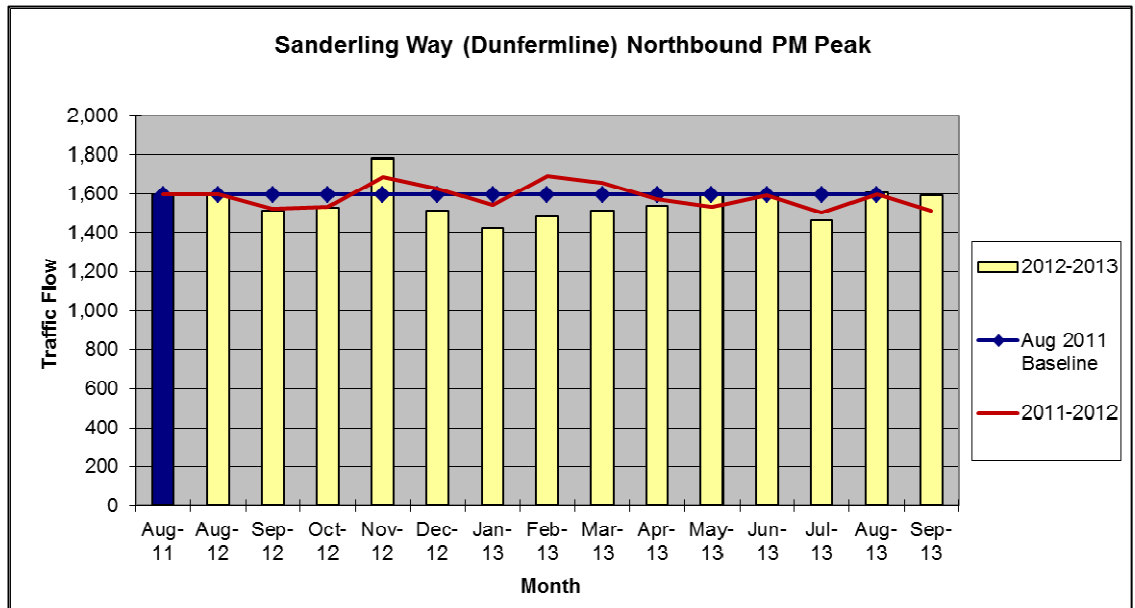


Figure 6-83 Monthly Northbound PM Peak Flows on the Sanderling Way (Dunfermline)

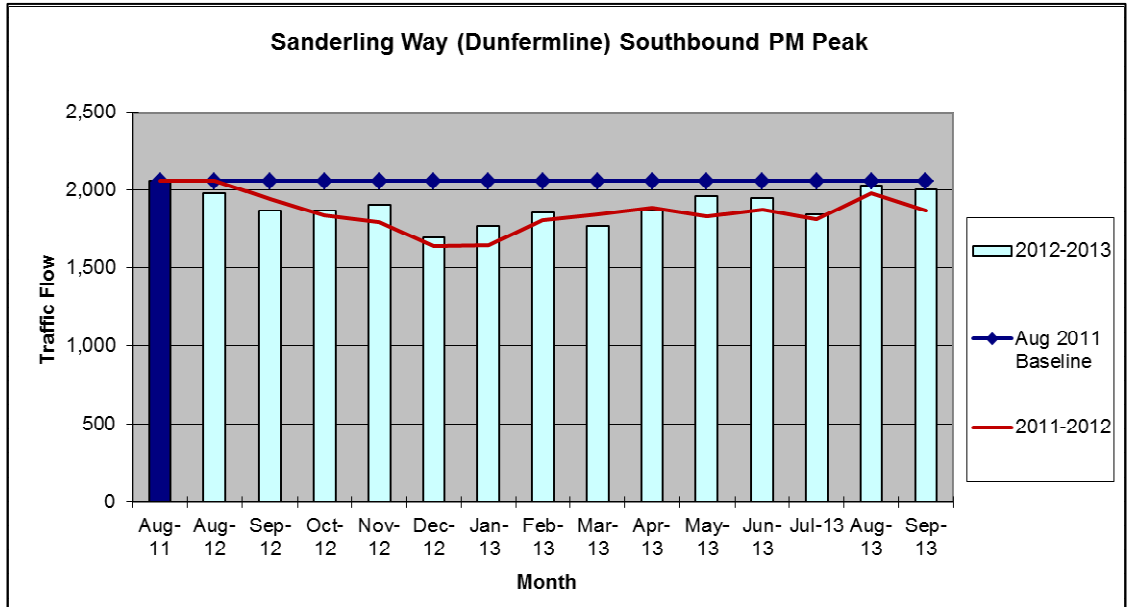


Figure 6-84 Monthly Eastbound PM Peak Flows on the Sanderling Way (Dunfermline)

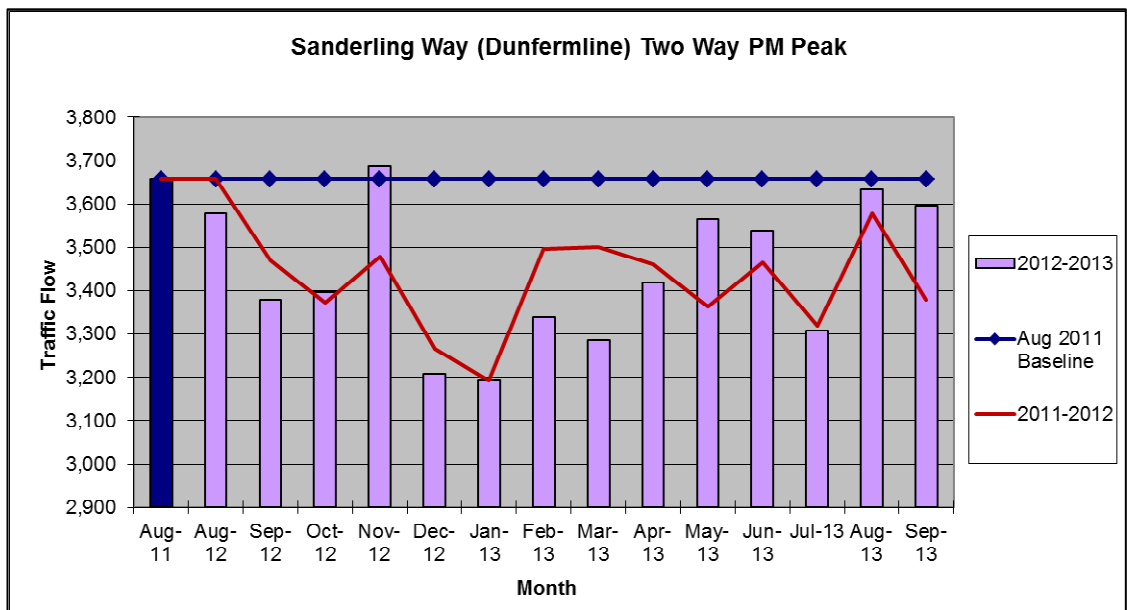


Figure 6-85 Monthly Two Way PM Peak Flows on the Sanderling Way (Dunfermline)

### 6.5.4 Monthly Average HGV Flows

Table 6-32 Site: JTC00585 Annual HGV Traffic Flows – August 2012 to September 2013

Counter	Location	Date	NB	SB	Two Way
JTC00585	Sanderling Way (Dunfermline)	Aug-11	115	117	232
		Aug-12	141	149	290
		Sep-12	135	143	278
		Oct-12	154	162	316
		Nov-12	180	187	366
		Dec-12	161	163	325
		Jan-13	146	149	295
		Feb-13	151	157	308
		Mar-13	146	149	295
		Apr-13	152	157	309
		May-13	148	158	306
		Jun-13	148	156	304
		Jul-13	151	157	308
		Aug-13	152	163	315
		Sep-13	156	164	320
<b>Annual Average</b>			<b>151</b>	<b>157</b>	<b>308</b>

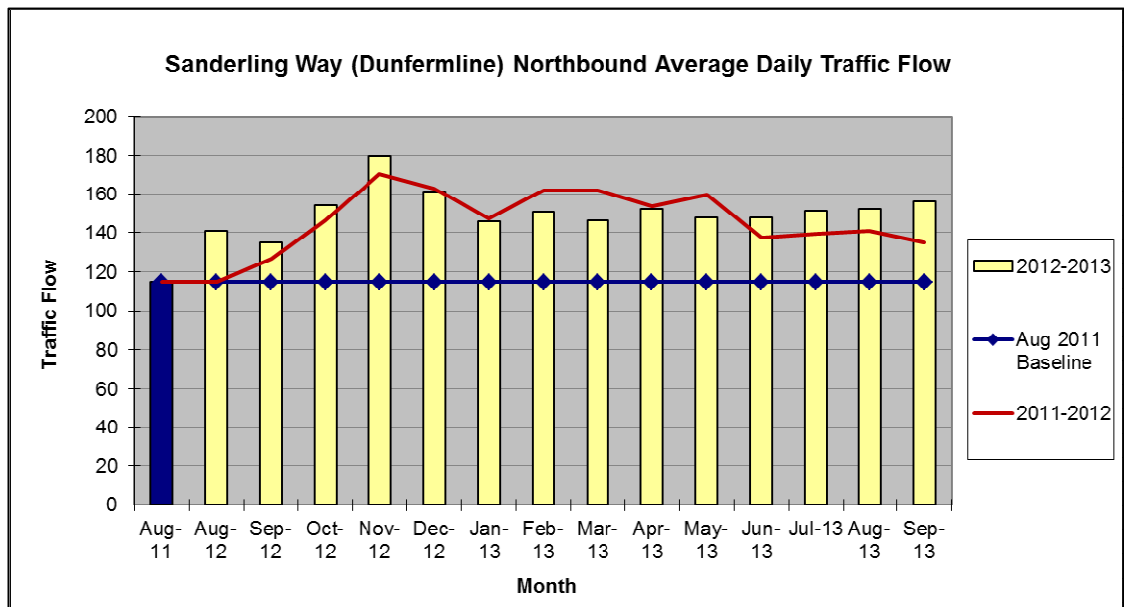


Figure 6-86 Monthly Northbound HGV Flows on the Sanderling Way (Dunfermline)

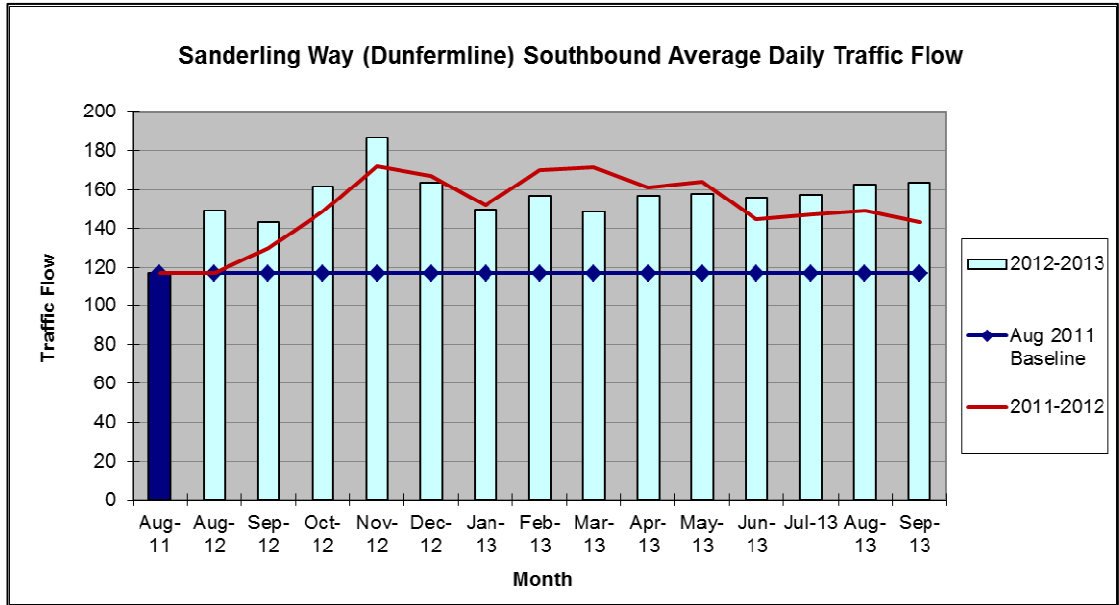


Figure 6-87 Monthly Southbound HGV Flows on the Sanderling Way (Dunfermline)

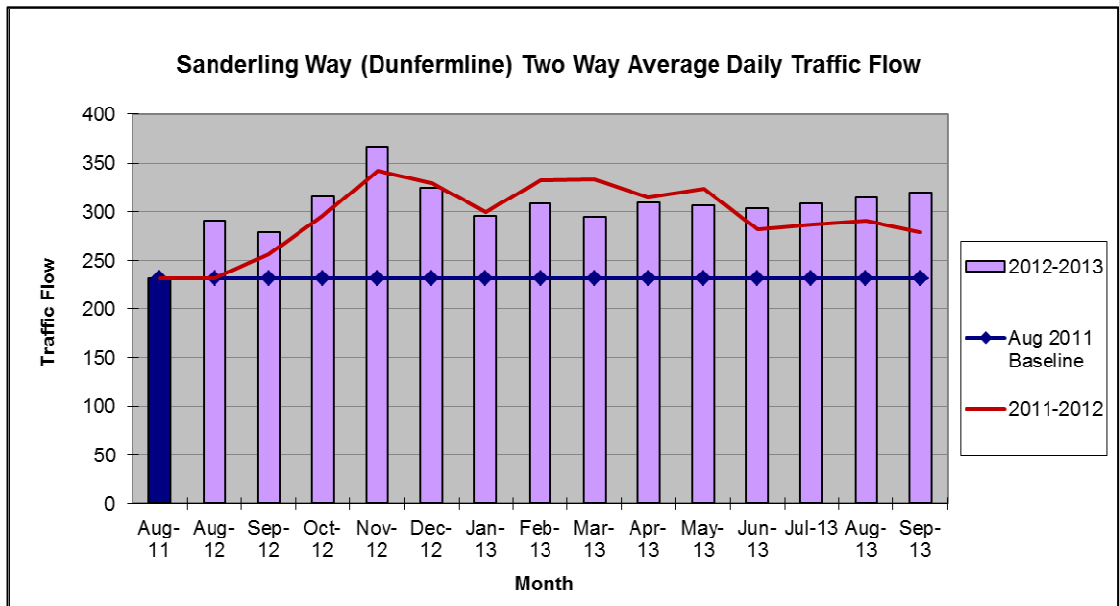


Figure 6-88 Monthly Two Way HGV Flows on the Sanderling Way (Dunfermline)

### 6.5.5 Monthly Average AM Peak HGV Flows

Table 6-33 Site: JTC00585 AM Peak HGV Traffic Flows – August 2012 to September 2013

Counter	Location	Date	NB	SB	Two Way
JTC00585	Sanderling Way (Dunfermline)	Aug-11	18	23	41
		Aug-12	22	35	57
		Sep-12	21	33	54
		Oct-12	23	37	60
		Nov-12	18	36	54
		Dec-12	22	34	55
		Jan-13	23	35	58
		Feb-13	23	35	58
		Mar-13	22	30	52
		Apr-13	26	34	60
		May-13	24	34	58
		Jun-13	25	34	59
		Jul-13	23	33	57
		Aug-13	25	36	61
		Sep-13	25	36	61
<b>Annual Average</b>			<b>23</b>	<b>34</b>	<b>57</b>

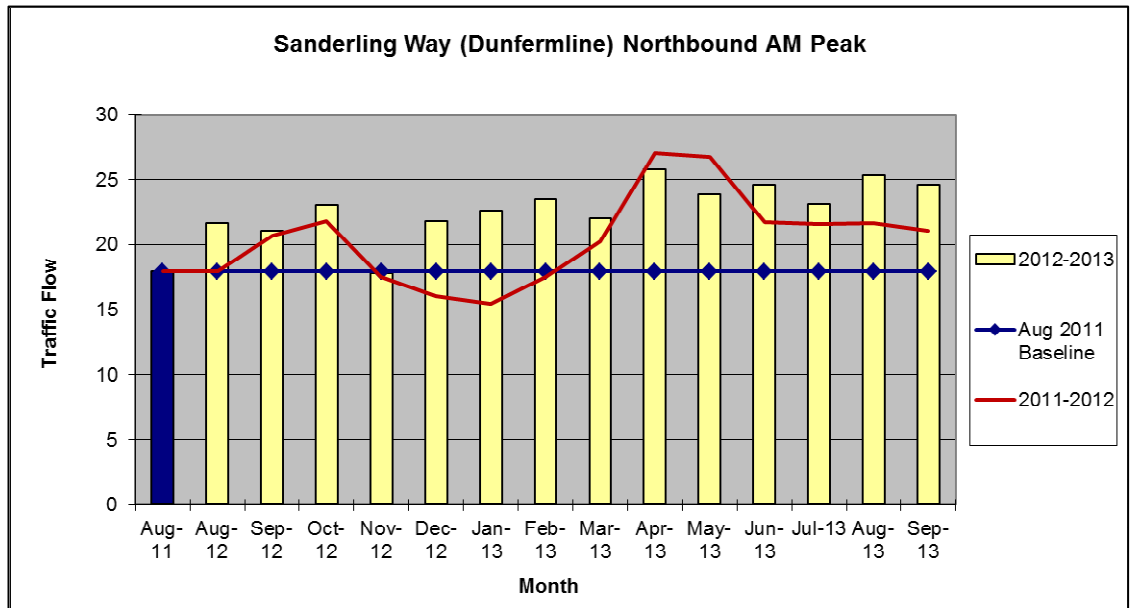


Figure 6-89 Monthly Northbound AM Peak HGV Flows on the Sanderling Way (Dunfermline)

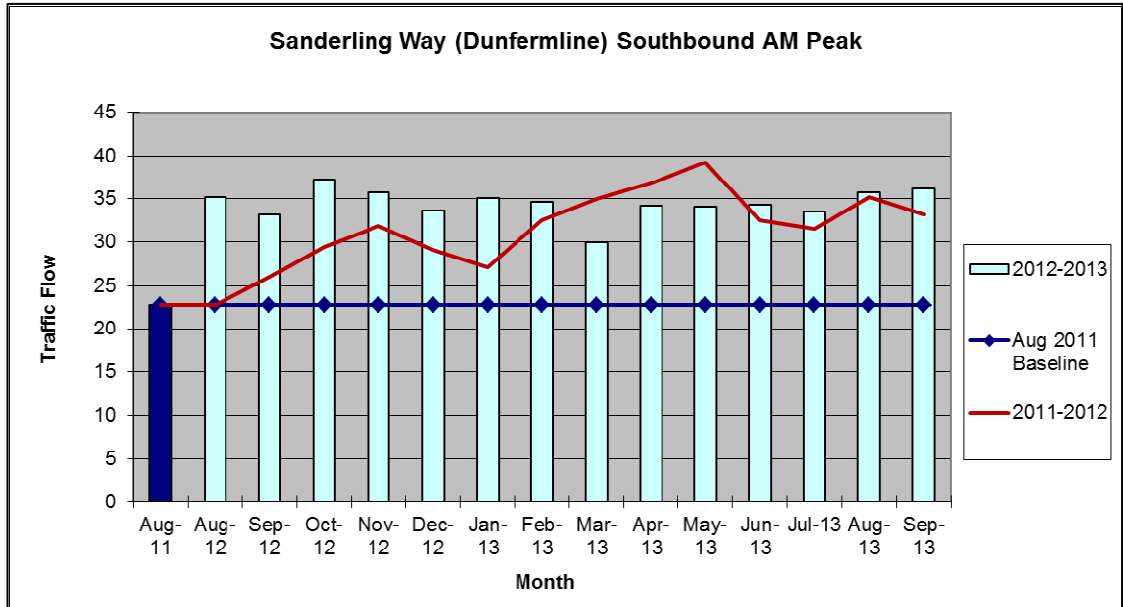


Figure 6-90 Monthly Southbound AM Peak HGV Flows on the Sanderling Way (Dunfermline)

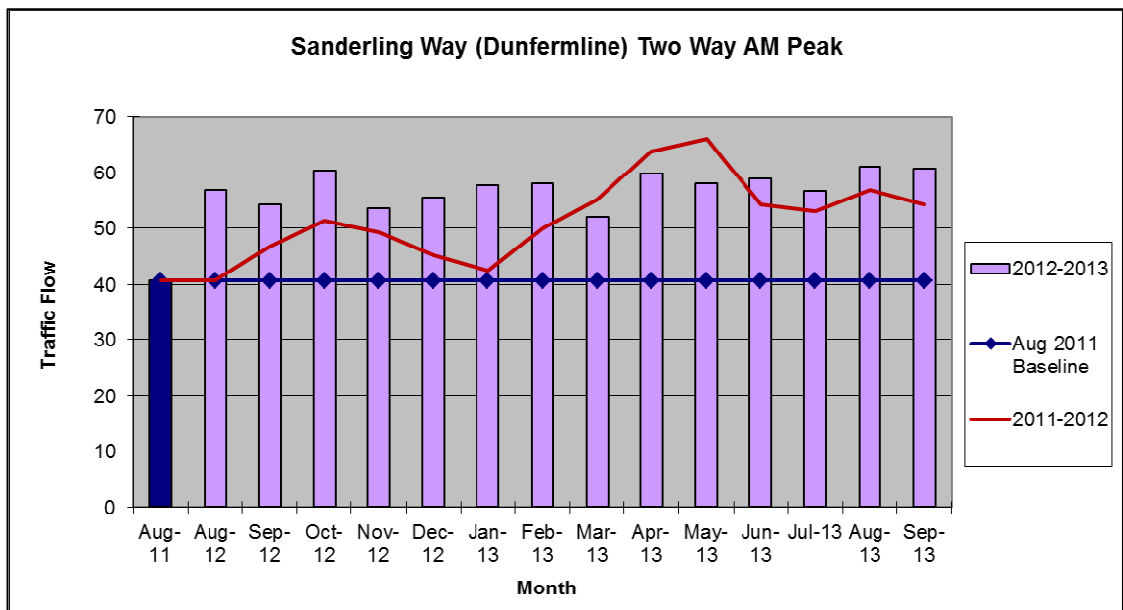


Figure 6-91 Monthly Two Way AM Peak HGV Flows on the Sanderling Way (Dunfermline)



### 6.5.6 Monthly Average PM Peak HGV Flows

Table 6-34 Site: JTC00585 PM Peak HGV Traffic Flows – August 2012 to September 2013

Counter	Location	Date	NB	SB	Two Way
JTC00585	Sanderling Way (Dunfermline)	Aug-11	18	23	41
		Aug-12	22	35	57
		Sep-12	21	33	54
		Oct-12	23	37	60
		Nov-12	18	36	54
		Dec-12	22	34	55
		Jan-13	23	35	58
		Feb-13	23	35	58
		Mar-13	22	30	52
		Apr-13	26	34	60
		May-13	24	34	58
		Jun-13	25	34	59
		Jul-13	23	33	57
		Aug-13	25	36	61
		Sep-13	25	36	61
<b>Annual Average</b>			<b>23</b>	<b>34</b>	<b>57</b>

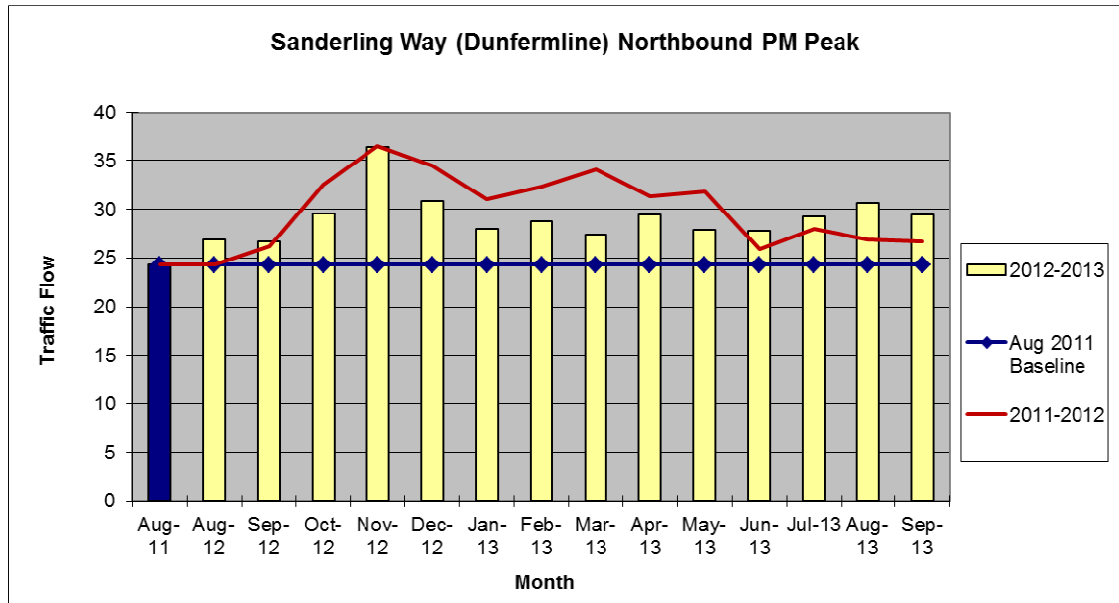


Figure 6-92 Monthly Northbound PM HGV Peak Flows on the Sanderling Way (Dunfermline)

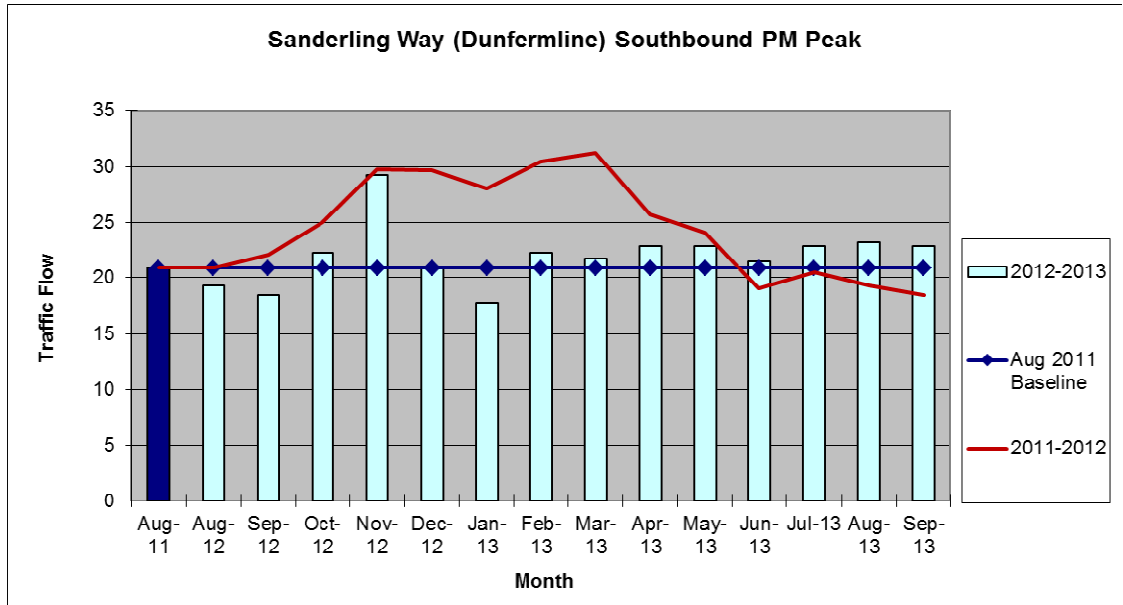


Figure 6-93 Monthly Southbound PM Peak HGV Flows on the Sanderling Way (Dunfermline)

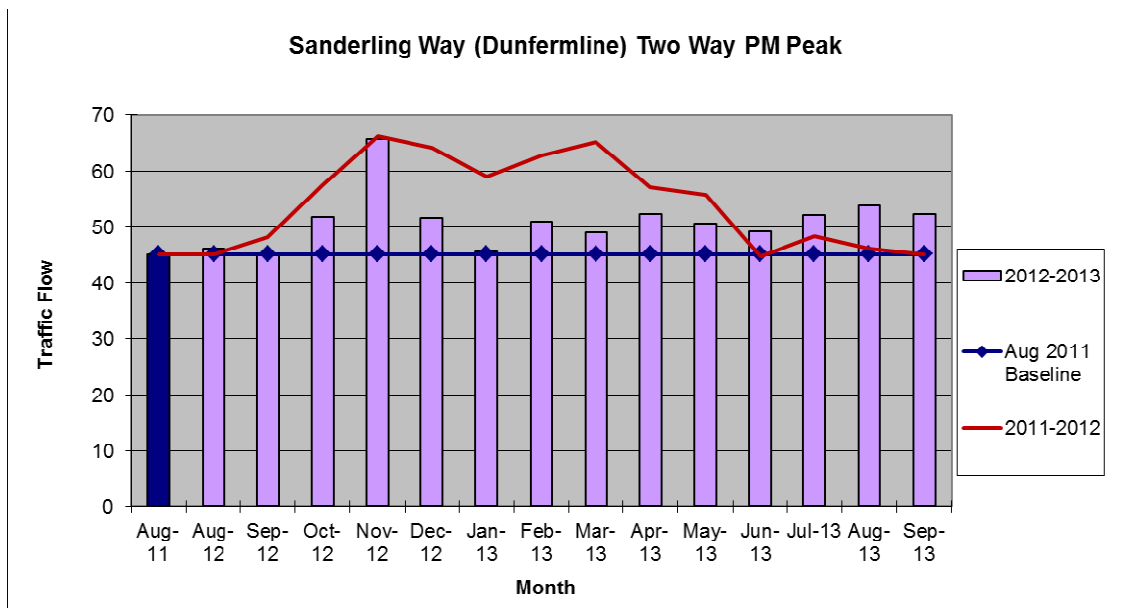
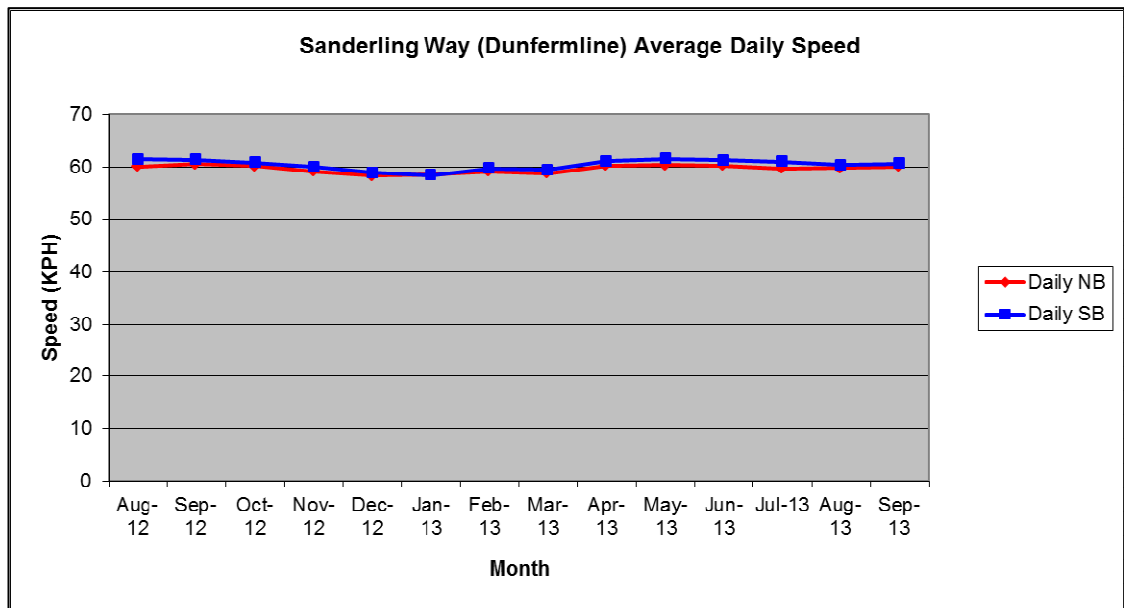


Figure 6-94 Monthly Two Way PM Peak HGV Flows on the Sanderling Way (Dunfermline)

### 6.5.7 Monthly Average All Vehicles Traffic Speeds

**Table 6-35 Site: JTC00585 Average Monthly Traffic Speeds (KPH) (All Vehicles) – August 2012 to September 2013**

Counter	Location	Date	NB	SB
JTC00585	Sanderling Way (Dunfermline)	Aug-12	60	61
		Sep-12	61	61
		Oct-12	60	61
		Nov-12	59	60
		Dec-12	58	59
		Jan-13	58	58
		Feb-13	59	60
		Mar-13	59	59
		Apr-13	60	61
		May-13	60	61
		Jun-13	60	61
		Jul-13	60	61
		Aug-13	60	60
		Sep-13	60	61



**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 2012 to September 2013

Counter	Location	Date	NB	SB	Two Way
JTC00587	Ferry Toll Road	Aug-11	2,033	2,780	4,814
		Aug-12	1,885	2,011	3,896
		Sep-12	1,775	1,910	3,685
		Oct-12	1,747	1,894	3,641
		Nov-12	1,817	2,015	3,831
		Dec-12	1,583	1,712	3,295
		Jan-13	1,611	1,784	3,396
		Feb-13	1,764	1,946	3,710
		Mar-13	1,734	1,913	3,647
		Apr-13	1,892	2,047	3,940
		May-13	1,955	2,139	4,094
		Jun-13	1,901	2,061	3,962
		Jul-13	1,868	2,007	3,875
		Aug-13	1,955	2,105	4,059
		Sep-13	1,928	2,110	4,037
<b>Annual Average</b>			<b>1,794</b>	<b>1,953</b>	<b>3,748</b>

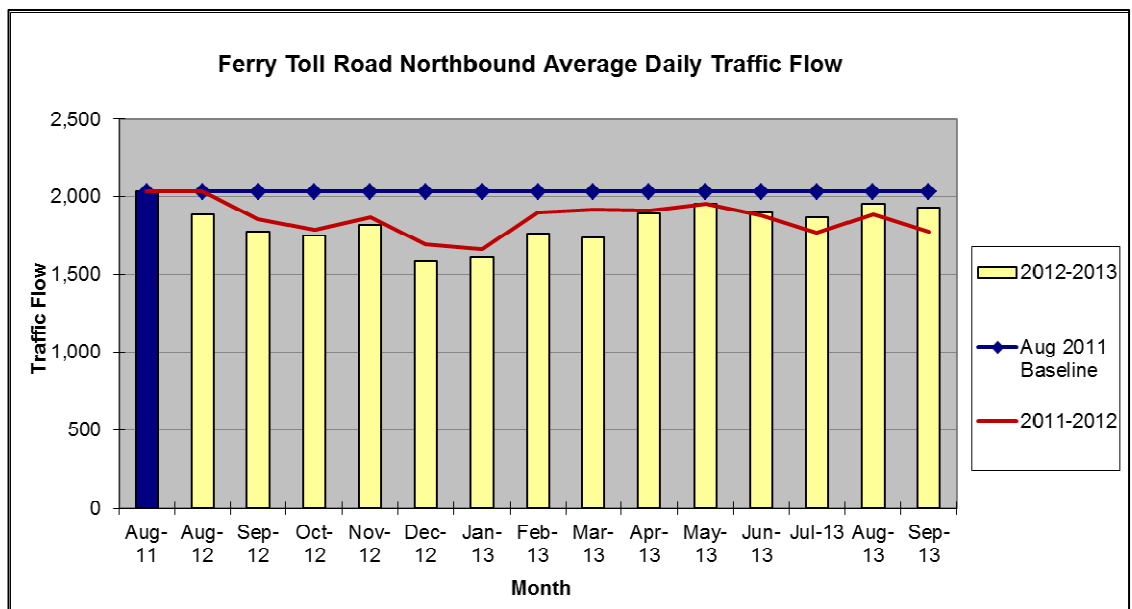


Figure 6-96 Monthly Northbound AADTs on the Ferry Toll Road

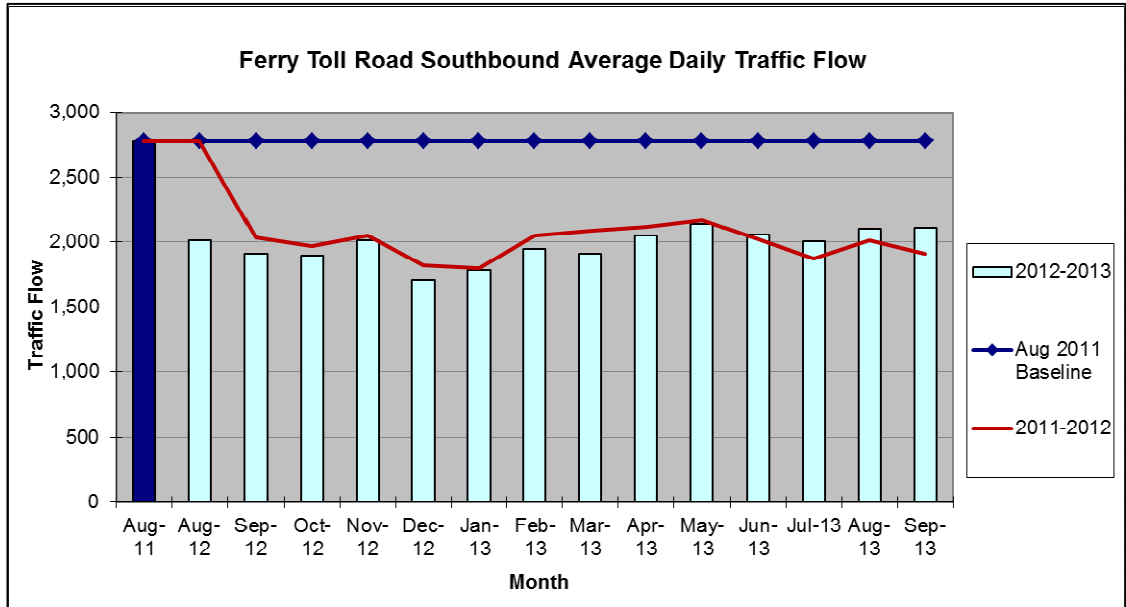


Figure 6-97 Monthly Southbound AADTs on the Ferry Toll Road

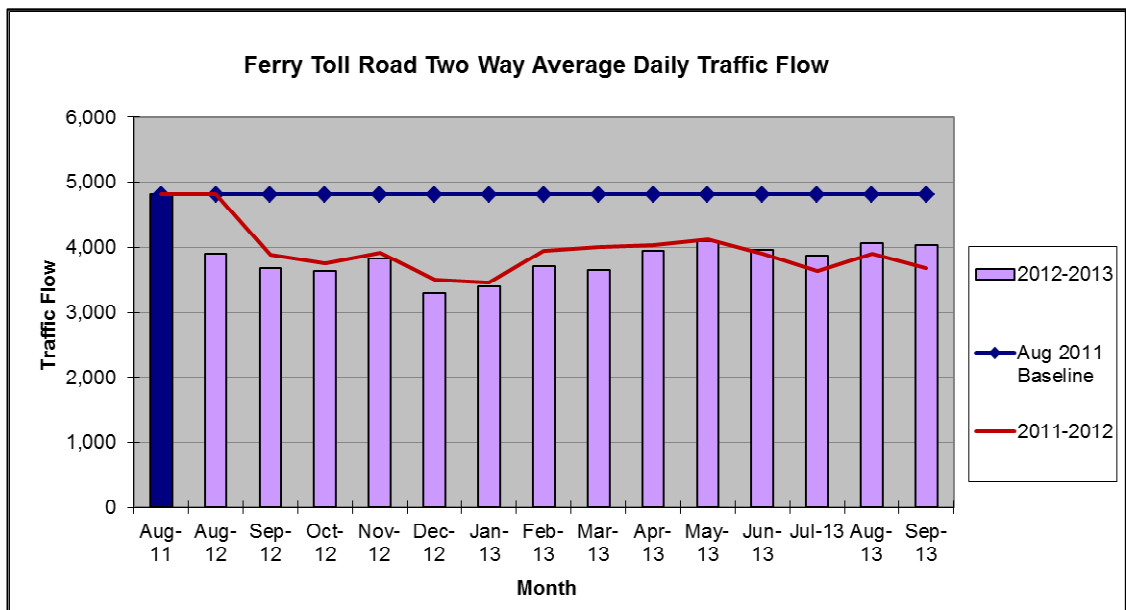


Figure 6-98 Monthly Two Way Daily Traffic Flows on the Ferry Toll Road

6.6.2 Monthly Average AM Peak Traffic Flows

Table 6-37 Site: JTC00587 AM Peak Traffic Flows – August 2012 to September 2013

Counter	Location	Date	NB	SB	Two Way
JTC00587	Ferry Toll Road	Aug-11	243	764	1,007
		Aug-12	235	569	804
		Sep-12	236	556	792
		Oct-12	225	565	790
		Nov-12	211	617	828
		Dec-12	176	456	632
		Jan-13	216	546	763
		Feb-13	242	586	828
		Mar-13	235	547	782
		Apr-13	244	590	834
		May-13	263	631	894
		Jun-13	237	591	828
		Jul-13	242	562	804
		Aug-13	258	591	849
		Sep-13	272	620	893
<b>Annual Average</b>			<b>230</b>	<b>568</b>	<b>798</b>

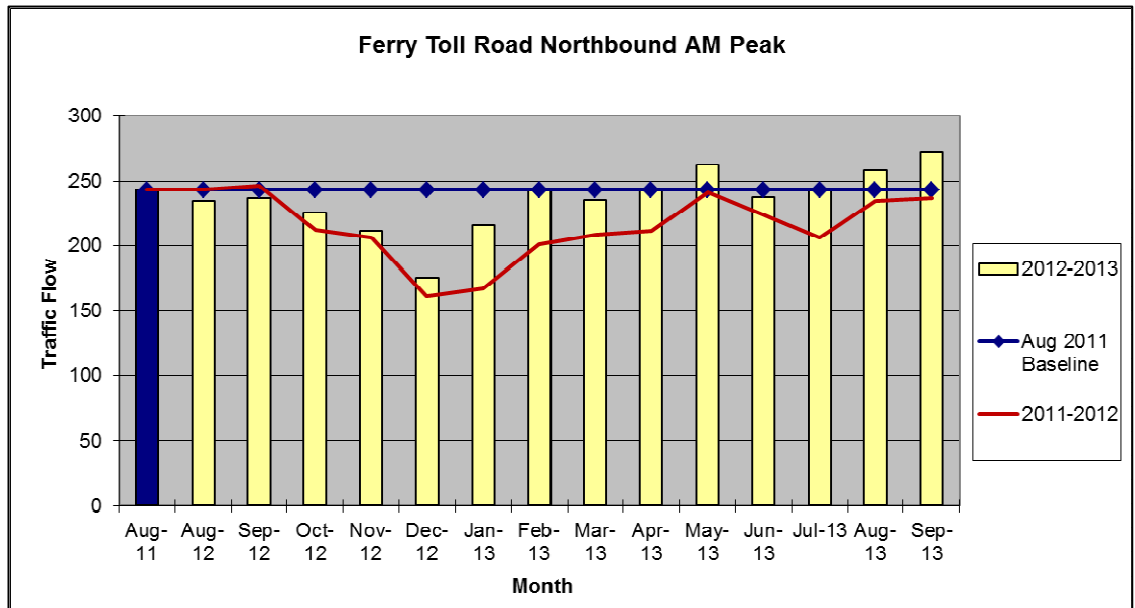


Figure 6-99 Monthly Eastbound AM Peak Flows on the Ferry Toll Road

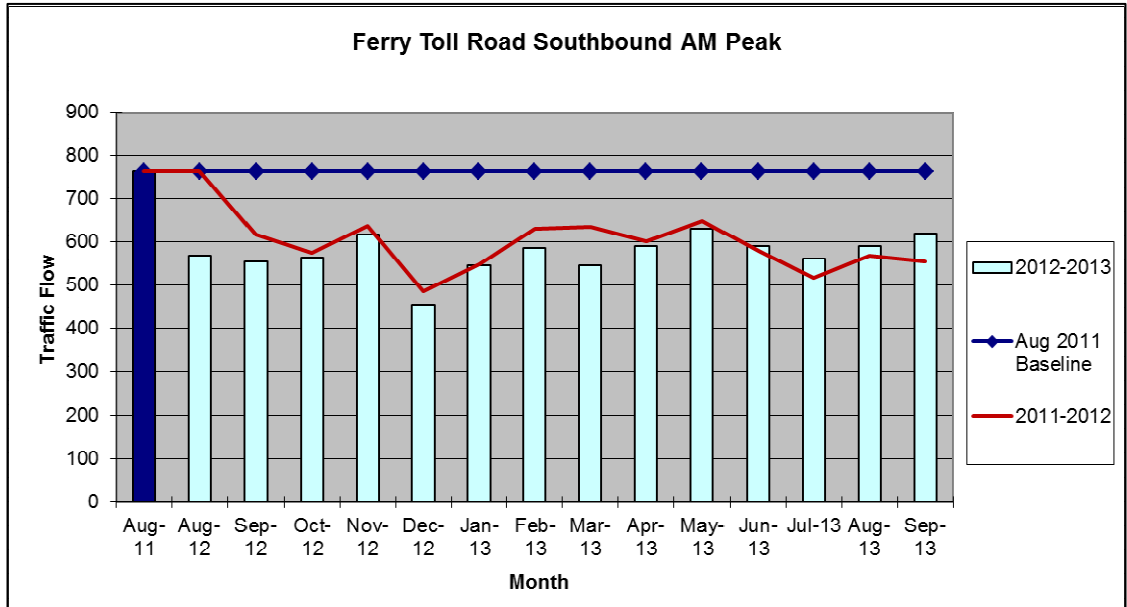


Figure 6-100 Monthly Westbound AM Peak Flows on the Ferry Toll Road

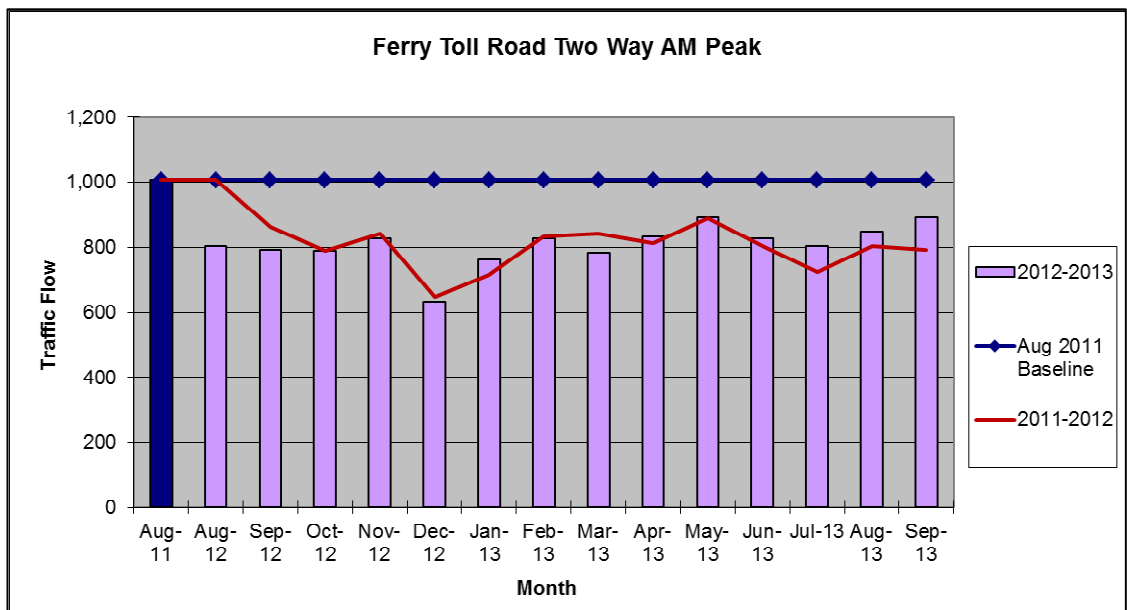


Figure 6-101 Monthly Two Way AM Peak Flows on the Ferry Toll Road

### 6.6.3 Monthly Average PM Peak Traffic Flows

Table 6-38 Site: JTC00587 PM Peak Traffic Flows – August 2012 to September 2013

Counter	Location	Date	NB	SB	Two Way
JTC00587	Ferry Toll Road	Aug-11	663	519	1,182
		Aug-12	602	375	977
		Sep-12	572	350	922
		Oct-12	575	351	926
		Nov-12	549	367	916
		Dec-12	482	296	778
		Jan-13	537	314	851
		Feb-13	570	357	928
		Mar-13	549	355	904
		Apr-13	627	373	1,000
		May-13	626	395	1,021
		Jun-13	597	381	977
		Jul-13	601	374	975
		Aug-13	619	397	1,017
		Sep-13	618	402	1,021
<b>Annual Average</b>			<b>574</b>	<b>357</b>	<b>931</b>

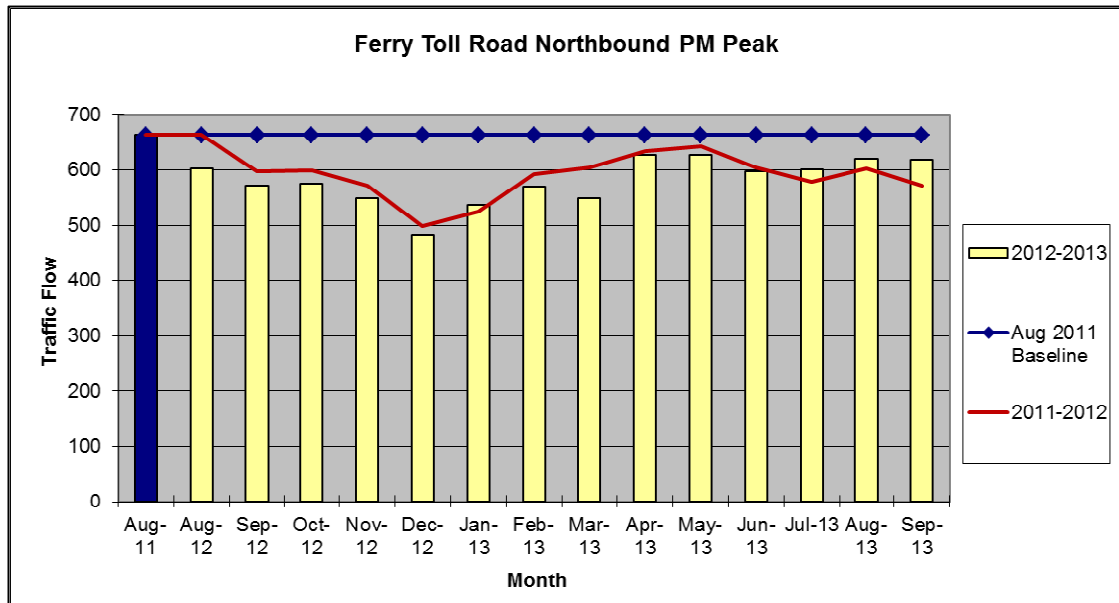


Figure 6-102 Monthly Eastbound PM Peak Flows on the Ferry Toll Road



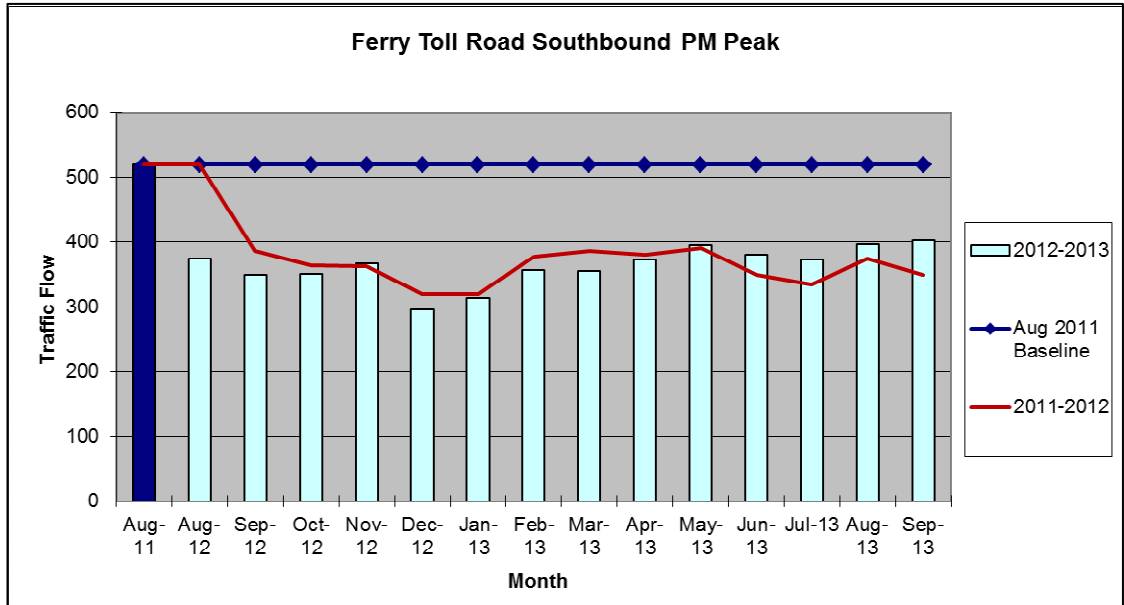


Figure 6-103 Monthly Westbound PM Peak Flows on the Ferry Toll Road

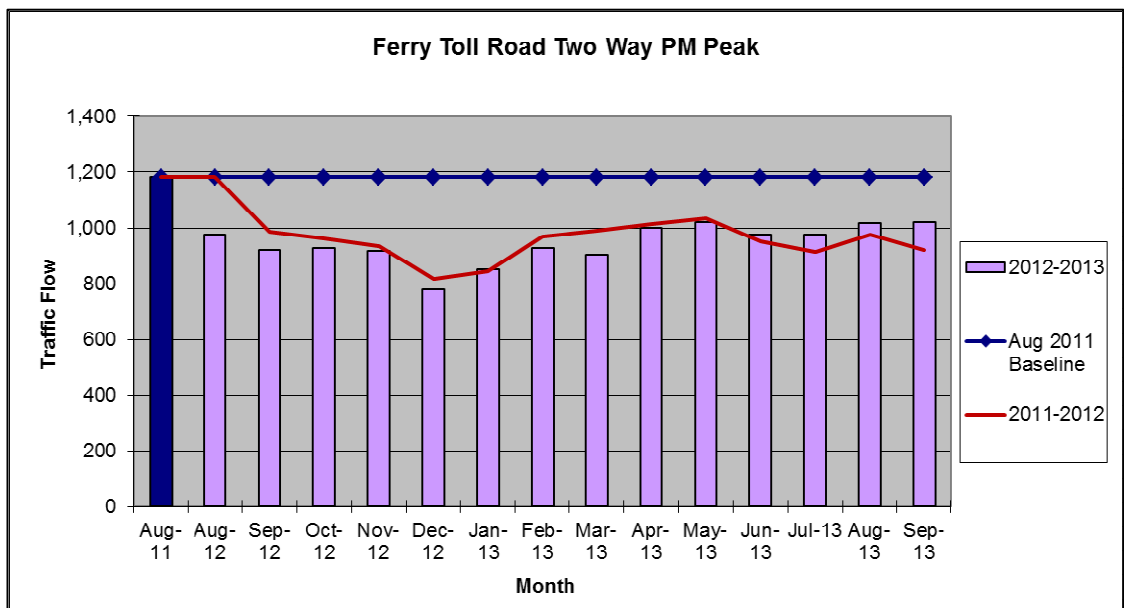


Figure 6-104 Monthly Two Way PM Peak Flows on the Ferry Toll Road

### 6.6.4 Monthly Average HGV Flows

Table 6-39 Site: JTC00587 Annual HGV Traffic Flows – August 2012 to September 2013

Counter	Location	Date	NB	SB	Two Way
JTC00587	Ferry Toll Road	Aug-11	4	5	9
		Aug-12	4	3	7
		Sep-12	4	2	6
		Oct-12	4	3	6
		Nov-12	3	2	5
		Dec-12	2	2	4
		Jan-13	3	2	5
		Feb-13	3	2	5
		Mar-13	3	2	5
		Apr-13	4	3	7
		May-13	3	2	5
		Jun-13	4	3	7
		Jul-13	7	4	10
		Aug-13	6	3	9
		Sep-13	5	4	9
		<b>Annual Average</b>	<b>4</b>	<b>2</b>	<b>6</b>

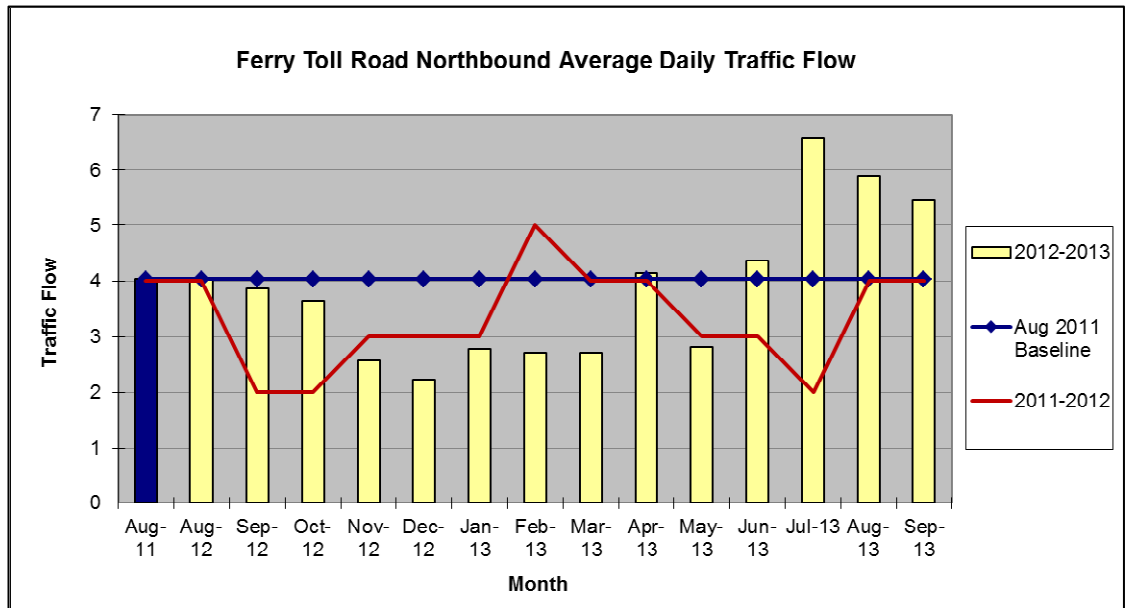


Figure 6-105 Monthly Northbound HGV Flows on the Ferry Toll Road

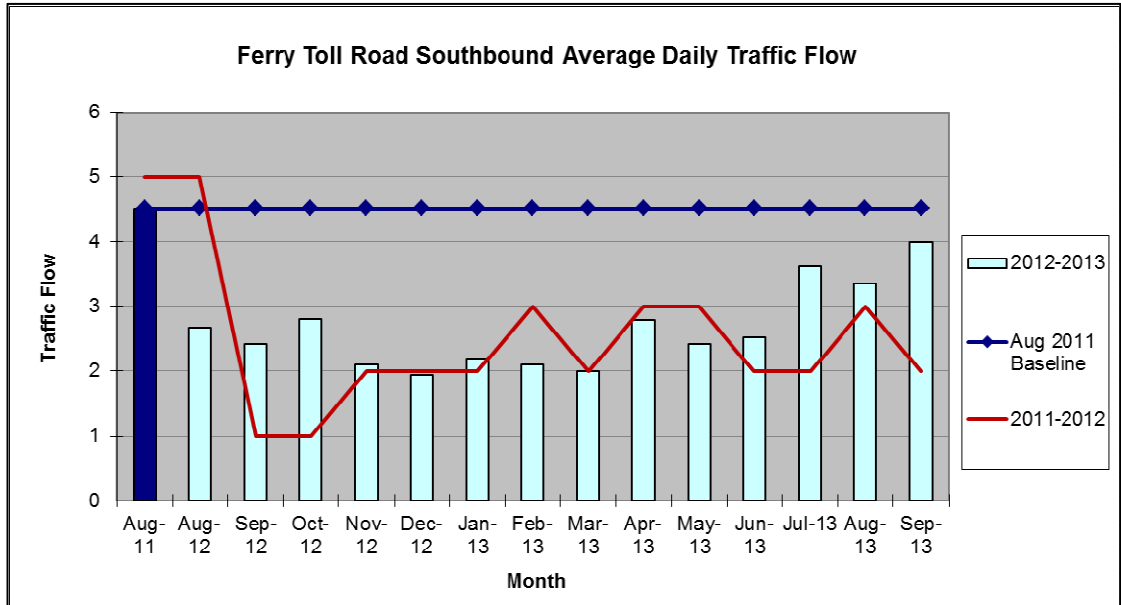


Figure 6-106 Monthly Southbound HGV Flows on the Ferry Toll Road

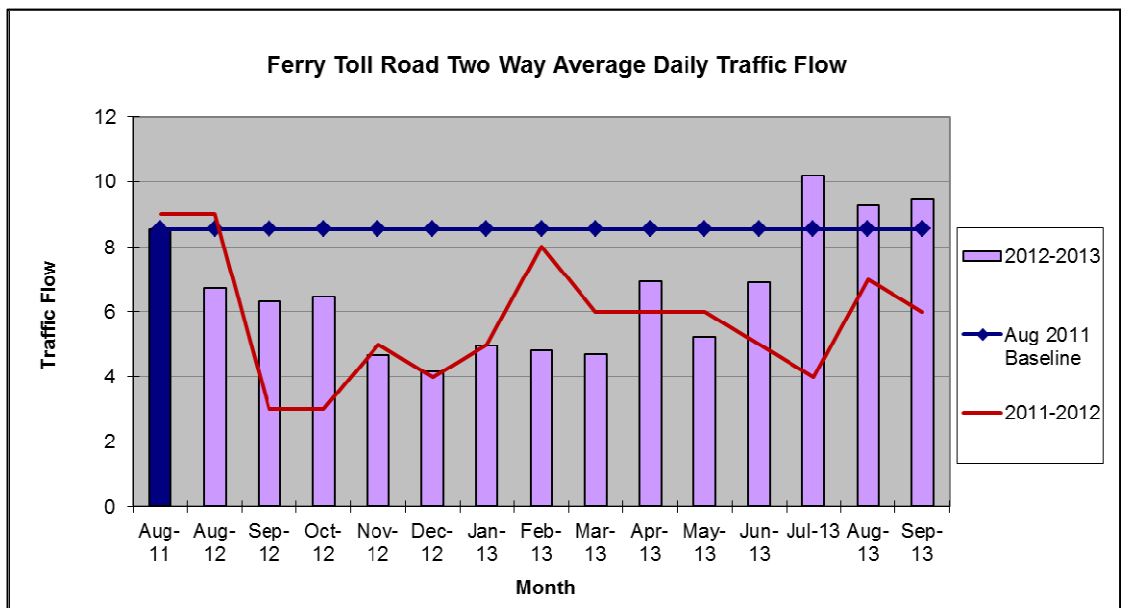


Figure 6-107 Monthly Two Way HGV Flows on the Ferry Toll Road

### 6.6.5 Monthly Average AM Peak HGV Flows

Table 6-40 Site: JTC00587 AM Peak HGV Traffic Flows – August 2012 to September 2013

Counter	Location	Date	NB	SB	Two Way
JTC00587	Ferry Toll Road	Aug-11	1	1	2
		Aug-12	2	1	2
		Sep-12	2	1	2
		Oct-12	2	1	2
		Nov-12	2	1	3
		Dec-12	1	1	2
		Jan-13	2	1	2
		Feb-13	2	1	2
		Mar-13	2	1	2
		Apr-13	2	1	2
		May-13	2	1	2
		Jun-13	2	1	2
		Jul-13	2	1	3
		Aug-13	2	1	3
		Sep-13	2	1	3
		<b>Annual Average</b>	<b>2</b>	<b>1</b>	<b>2</b>

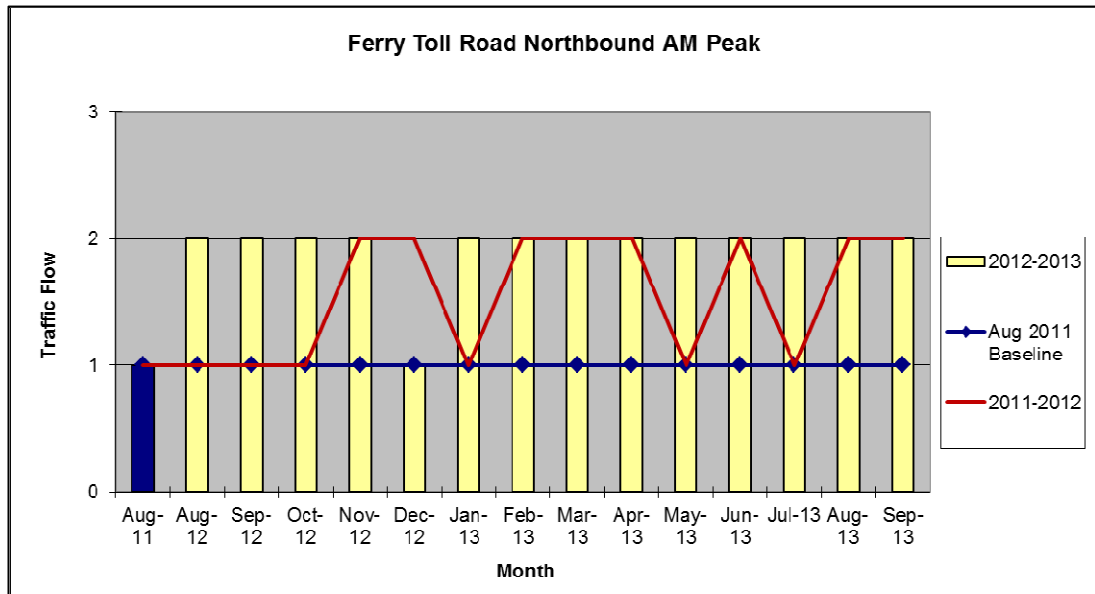


Figure 6-108 Monthly Northbound AM Peak HGV Flows on the Ferry Toll Road

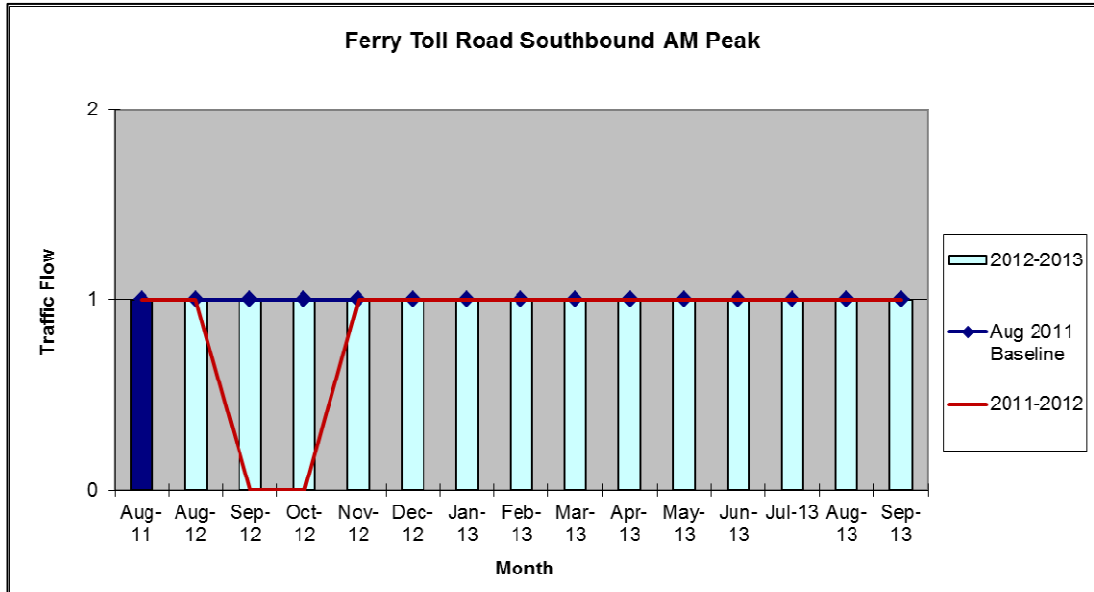


Figure 6-109 Monthly Southbound AM Peak HGV Flows on the Ferry Toll Road

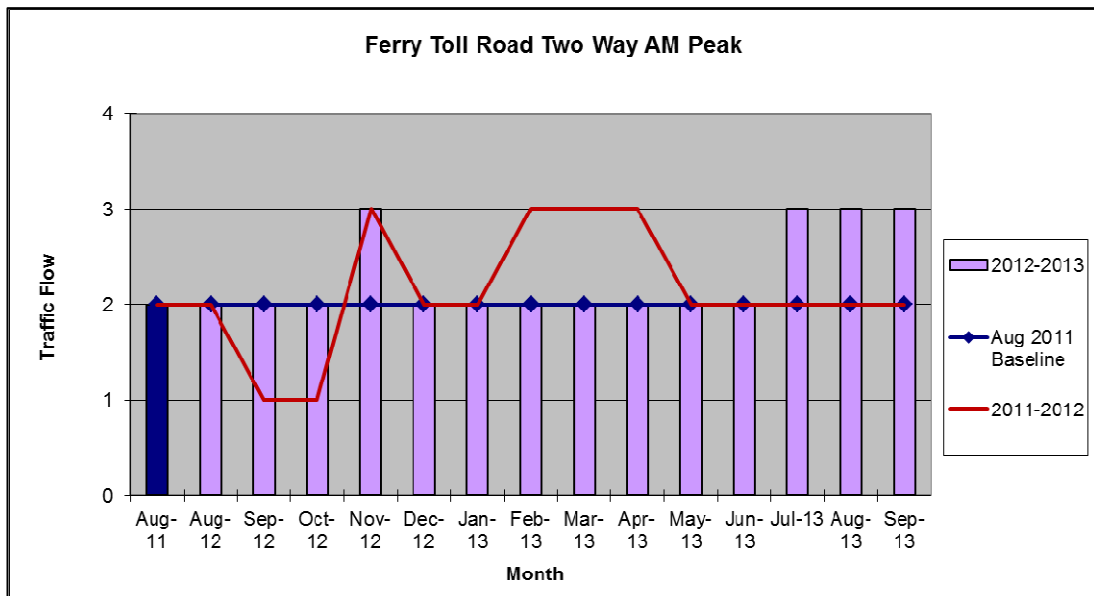


Figure 6-110 Monthly Two Way AM Peak HGV Flows on the Ferry Toll Road

### 6.6.6 Monthly Average PM Peak HGV Flows

Table 6-41 Site: JTC00587 PM Peak HGV Traffic Flows – August 2012 to September 2013

Counter	Location	Date	EB	WB	Two Way
JTC00587	Ferry Toll Road	Aug-11	1	1	2
		Aug-12	1	1	2
		Sep-12	1	1	2
		Oct-12	1	1	2
		Nov-12	0	0	1
		Dec-12	1	0	1
		Jan-13	1	0	1
		Feb-13	1	0	1
		Mar-13	0	0	1
		Apr-13	1	1	2
		May-13	0	0	1
		Jun-13	2	1	3
		Jul-13	2	2	4
		Aug-13	2	2	4
		Sep-13	3	2	5
<b>Annual Average</b>			<b>1</b>	<b>1</b>	<b>2</b>

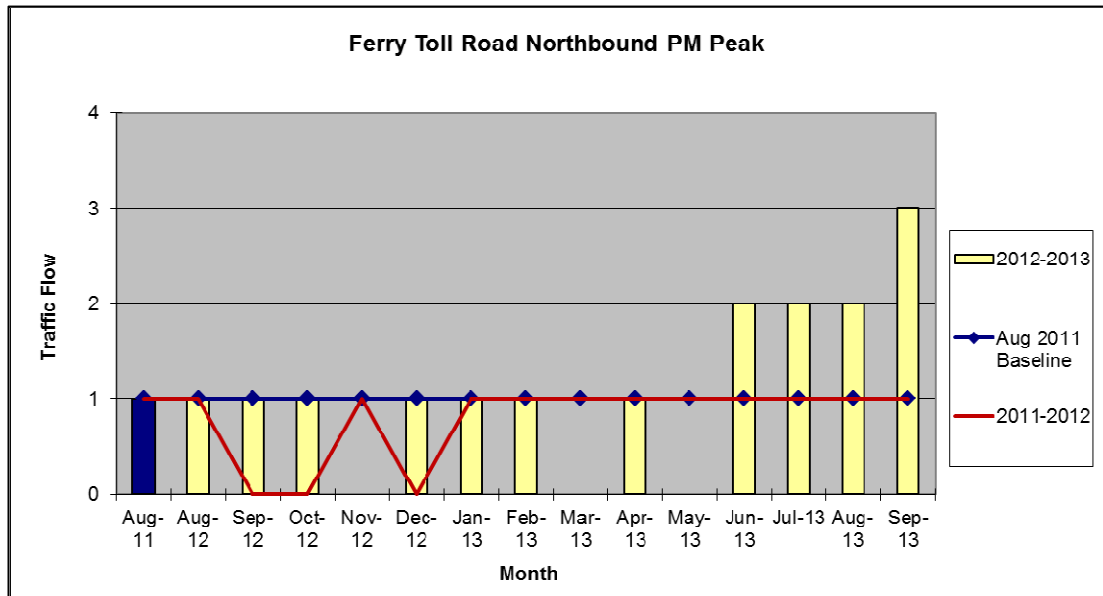


Figure 6-111 Monthly Eastbound PM HGV Peak Flows on the Ferry Toll Road

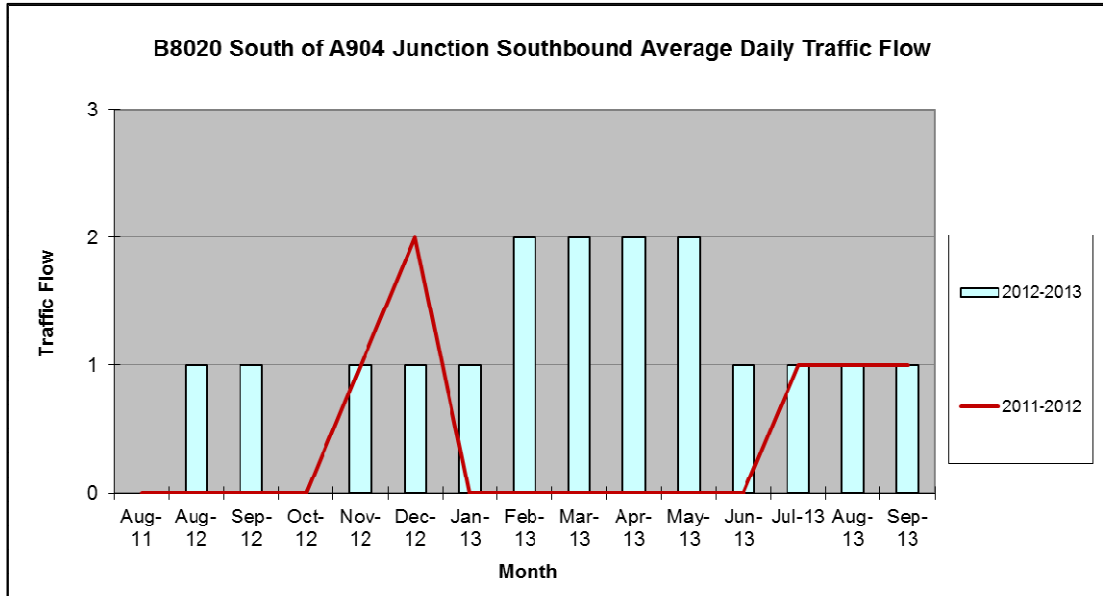


Figure 6-112 Monthly Westbound PM Peak HGV Flows on the Ferry Toll Road

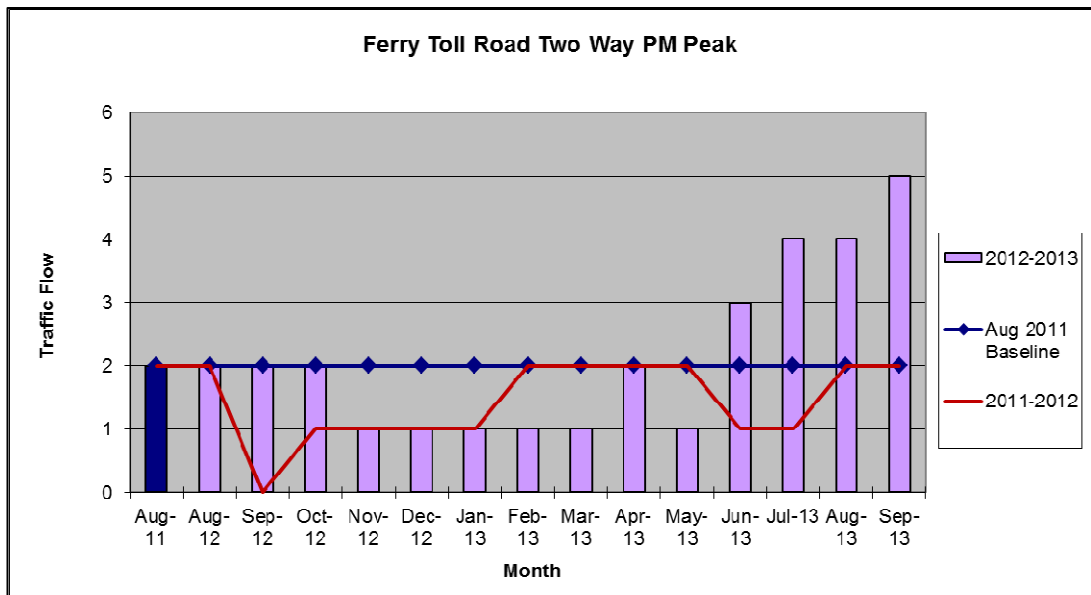
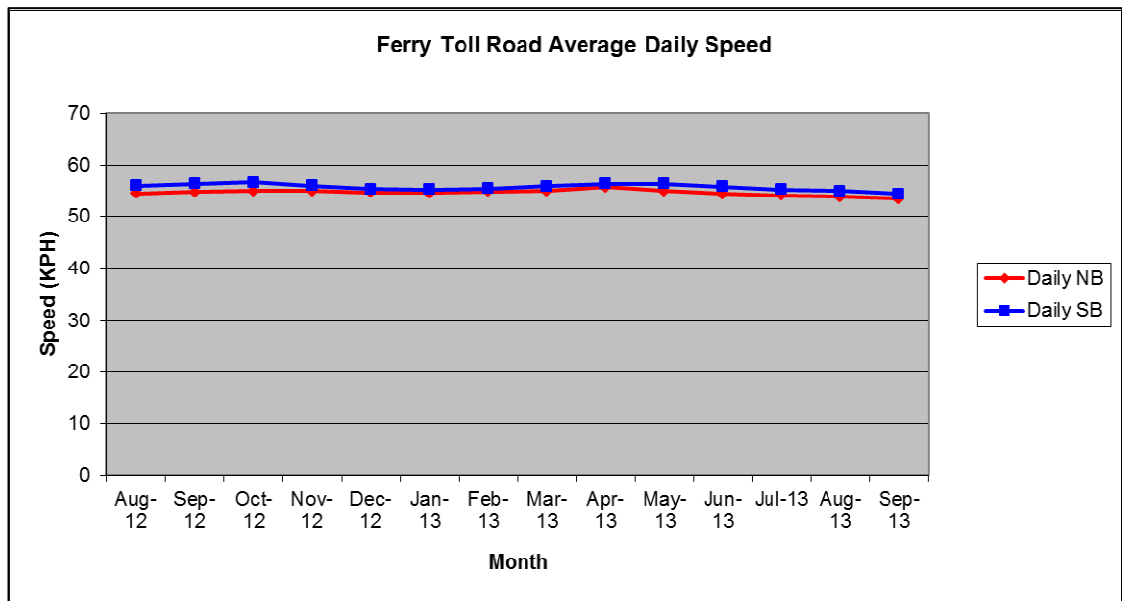


Figure 6-113 Monthly Two Way PM Peak HGV Flows on the Ferry Toll Road

### 6.6.7 Monthly Average All Vehicles Traffic Speeds

**Table 6-42 Site: JTC00587 Average Monthly Traffic Speeds (KPH) (All Vehicles) – August 2012 to September 2013**

Counter	Location	Date	NB	SB
JTC00587	Ferry Toll Road	Aug-12	55	56
		Sep-12	55	56
		Oct-12	55	57
		Nov-12	55	56
		Dec-12	55	55
		Jan-13	55	55
		Feb-13	55	56
		Mar-13	55	56
		Apr-13	56	56
		May-13	55	56
		Jun-13	54	56
		Jul-13	54	55
		Aug-13	54	55
		Sep-13	54	54



**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 2012 to September 2013

Counter	Location	Date	EB	WB	Two Way
JTC00588	King Malcolm Drive (Rosyth)	Aug-11	1,748	1,443	3,191
		Aug-12	1,996	1,742	3,739
		Sep-12	1,855	1,633	3,487
		Oct-12	1,953	1,695	3,648
		Nov-12	2,043	1,724	3,767
		Dec-12	1,457	1,236	2,693
		Jan-13	1,851	1,562	3,413
		Feb-13	2,126	1,825	3,951
		Mar-13	2,032	1,733	3,764
		Apr-13	2,420	2,066	4,486
		May-13	2,488	2,177	4,665
		Jun-13	2,317	2,000	4,317
		Jul-13	2,446	2,162	4,609
		Aug-13	2,524	2,221	4,745
		Sep-13	2,488	2,180	4,669
		<b>Annual Average</b>			<b>2,082</b>

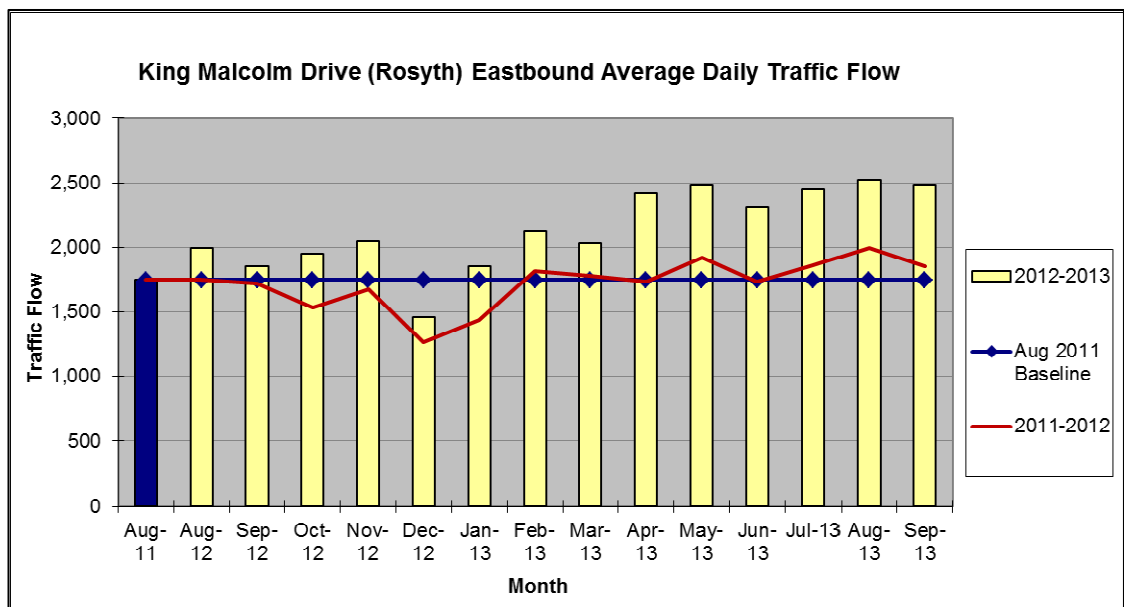


Figure 6-115 Monthly Eastbound AADTs on the King Malcolm Drive (Rosyth)

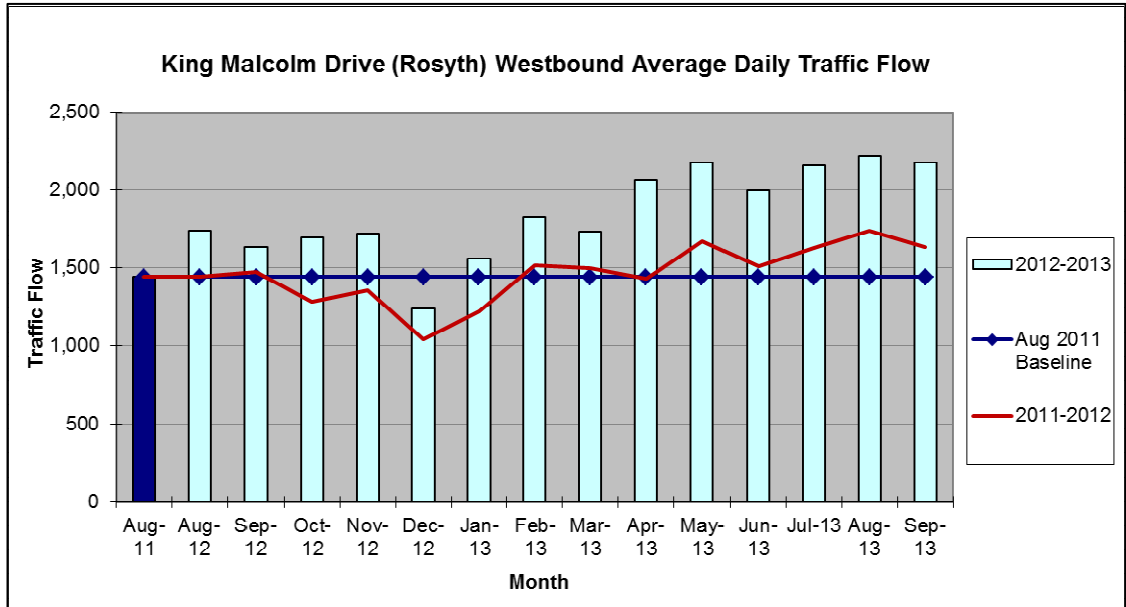


Figure 6-116 Monthly Westbound AADTs on the King Malcolm Drive (Rosyth)

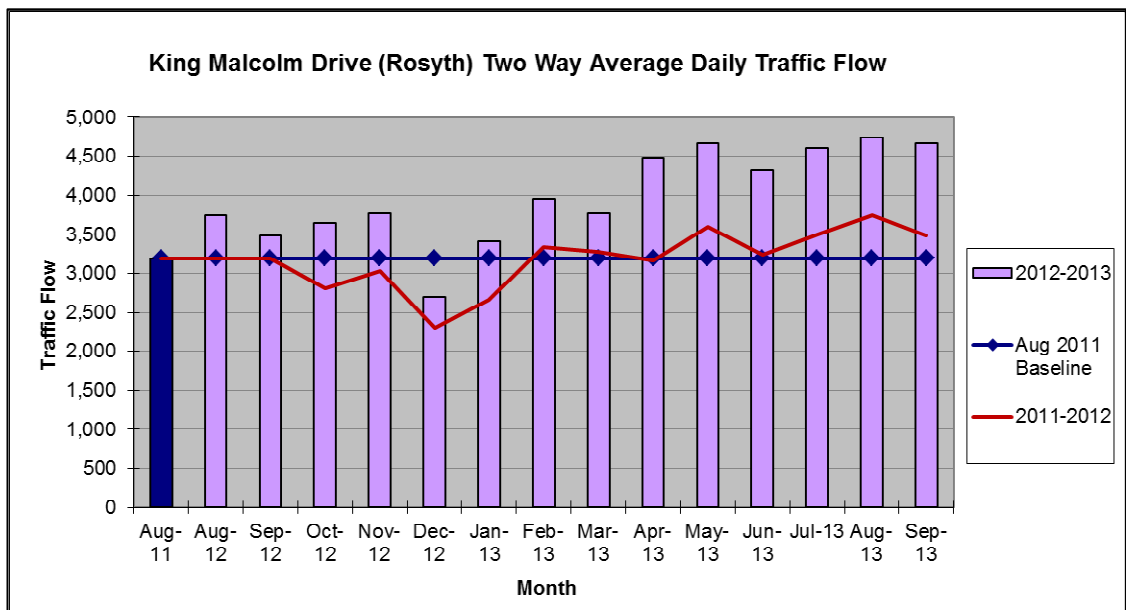


Figure 6-117 Monthly Two Way Daily Traffic Flows on the King Malcolm Drive (Rosyth)

### 6.7.2 Monthly Average AM Peak Traffic Flows

Table 6-44 Site: JTC00588 AM Peak Traffic Flows – August 2012 to September 2013

Counter	Location	Date	EB	WB	Two Way
JTC00588	King Malcolm Drive (Rosyth)	Aug-11	262	611	873
		Aug-12	275	700	975
		Sep-12	253	663	916
		Oct-12	256	724	980
		Nov-12	265	838	1,104
		Dec-12	197	521	718
		Jan-13	237	645	882
		Feb-13	282	737	1,019
		Mar-13	276	685	961
		Apr-13	308	779	1,087
		May-13	327	848	1,175
		Jun-13	308	735	1,043
		Jul-13	323	806	1,128
		Aug-13	332	807	1,139
Sep-13	336	816	1,152		
<b>Annual Average</b>			<b>276</b>	<b>723</b>	<b>999</b>

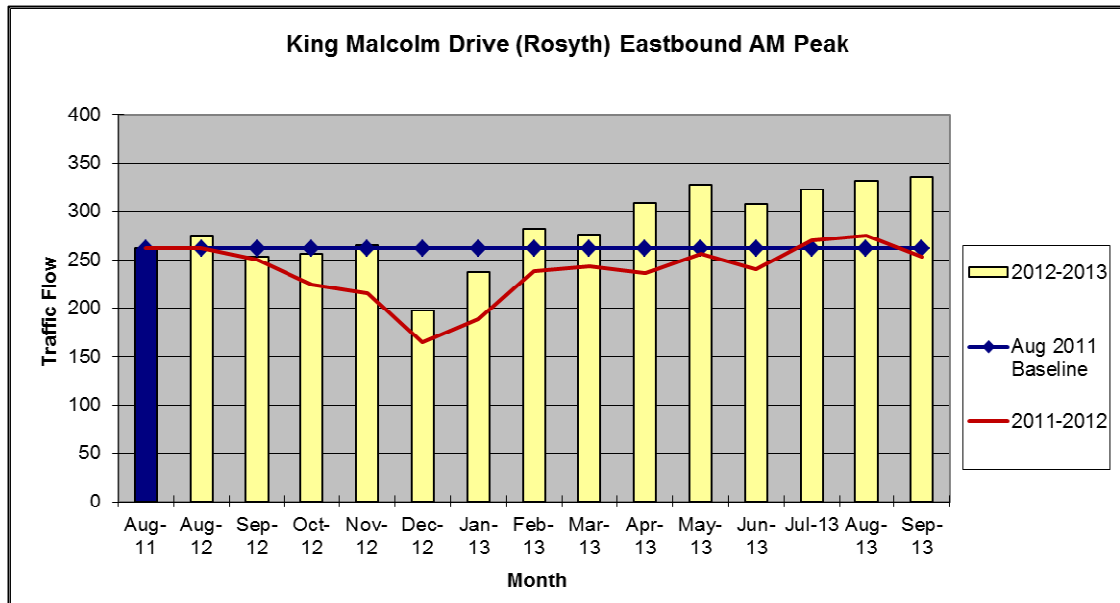


Figure 6-118 Monthly Eastbound AM Peak Flows on the King Malcolm Drive (Rosyth)

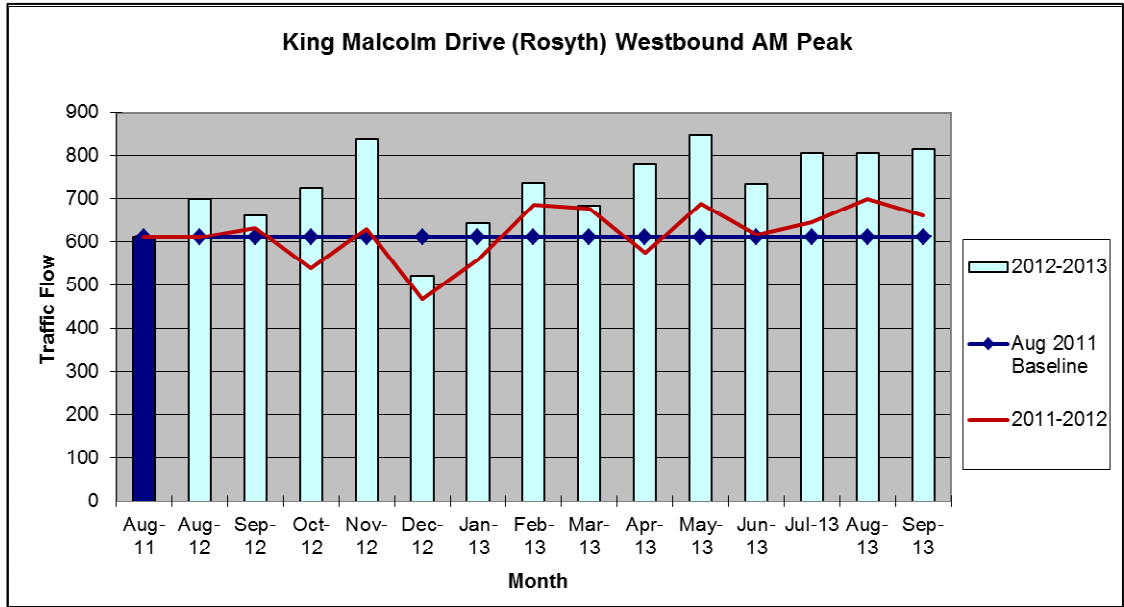


Figure 6-119 Monthly Westbound AM Peak Flows on the King Malcolm Drive (Rosyth)

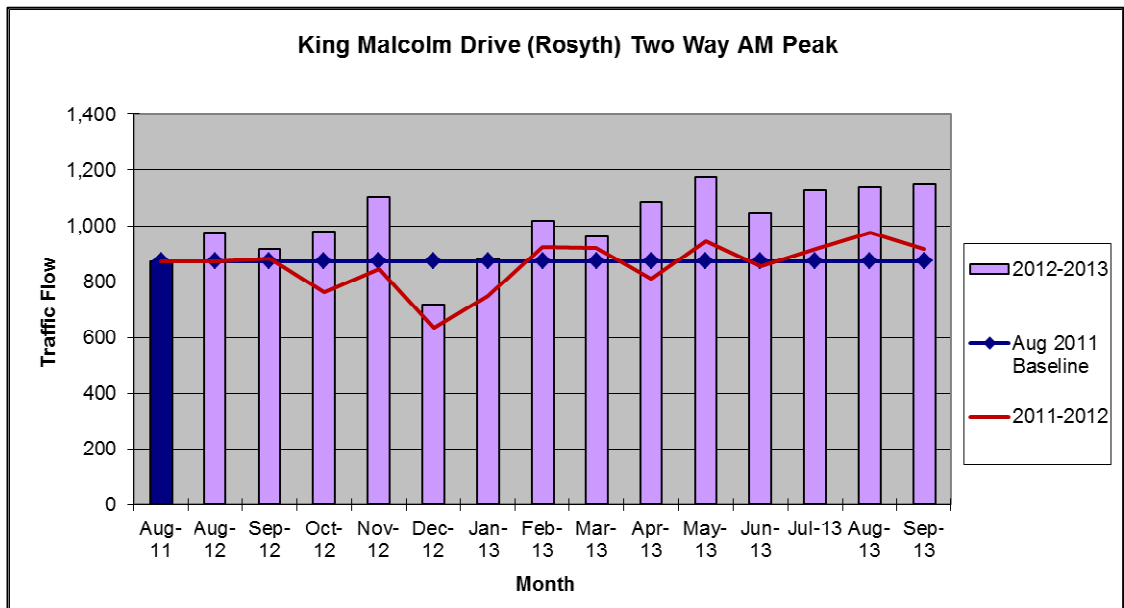


Figure 6-120 Monthly Two Way AM Peak Flows on the King Malcolm Drive (Rosyth)

### 6.7.3 Monthly Average PM Peak Traffic Flows

Table 6-45 Site: JTC00588 PM Peak Traffic Flows – August 2012 to September 2013

Counter	Location	Date	EB	WB	Two Way
JTC00588	King Malcolm Drive (Rosyth)	Aug-11	751	155	906
		Aug-12	860	191	1,050
		Sep-12	807	170	977
		Oct-12	890	175	1,065
		Nov-12	908	185	1,093
		Dec-12	615	127	741
		Jan-13	874	151	1,025
		Feb-13	964	182	1,147
		Mar-13	893	173	1,067
		Apr-13	1,073	227	1,300
		May-13	1,094	233	1,327
		Jun-13	1,029	244	1,273
		Jul-13	1,111	261	1,372
		Aug-13	1,101	269	1,369
		Sep-13	1,122	244	1,365
<b>Annual Average</b>			<b>926</b>	<b>193</b>	<b>1,120</b>

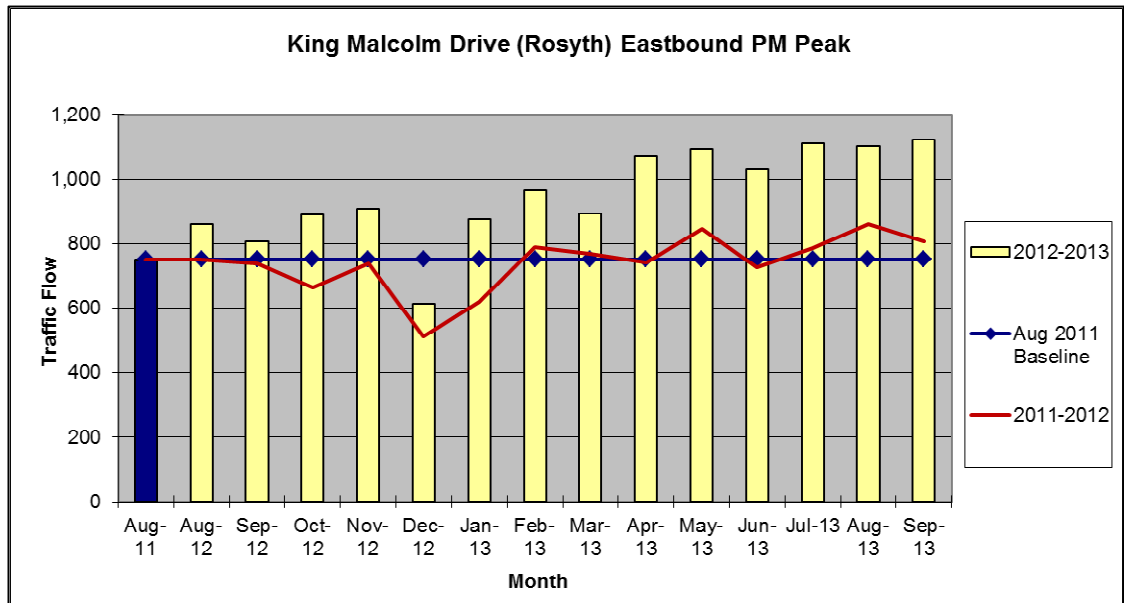


Figure 6-121 Monthly Eastbound PM Peak Flows on the King Malcolm Drive (Rosyth)

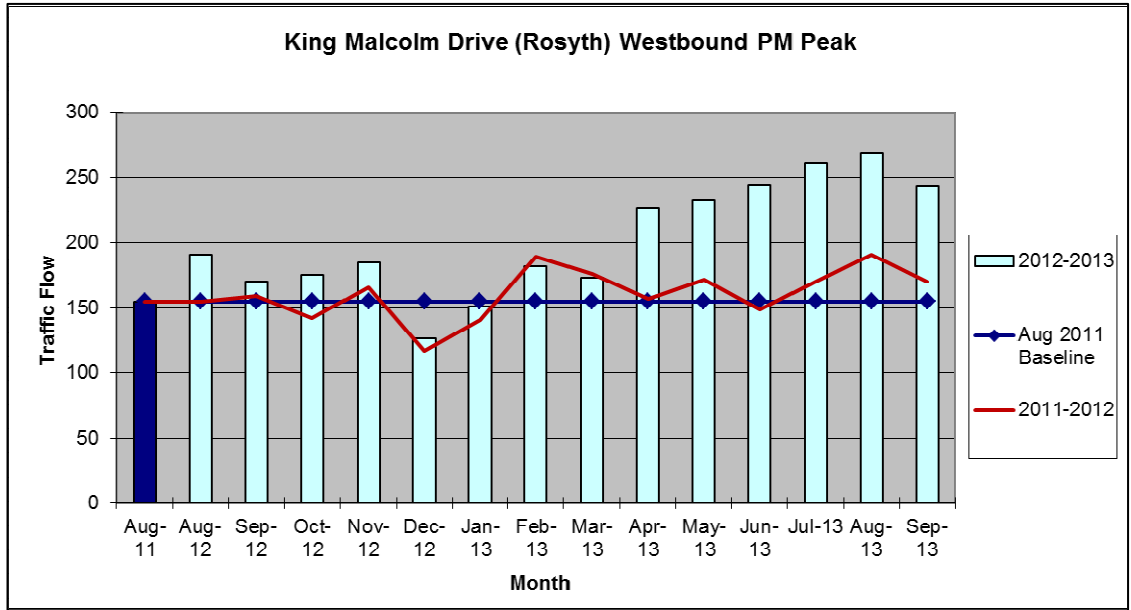


Figure 6-122 Monthly Westbound PM Peak Flows on the King Malcolm Drive (Rosyth)

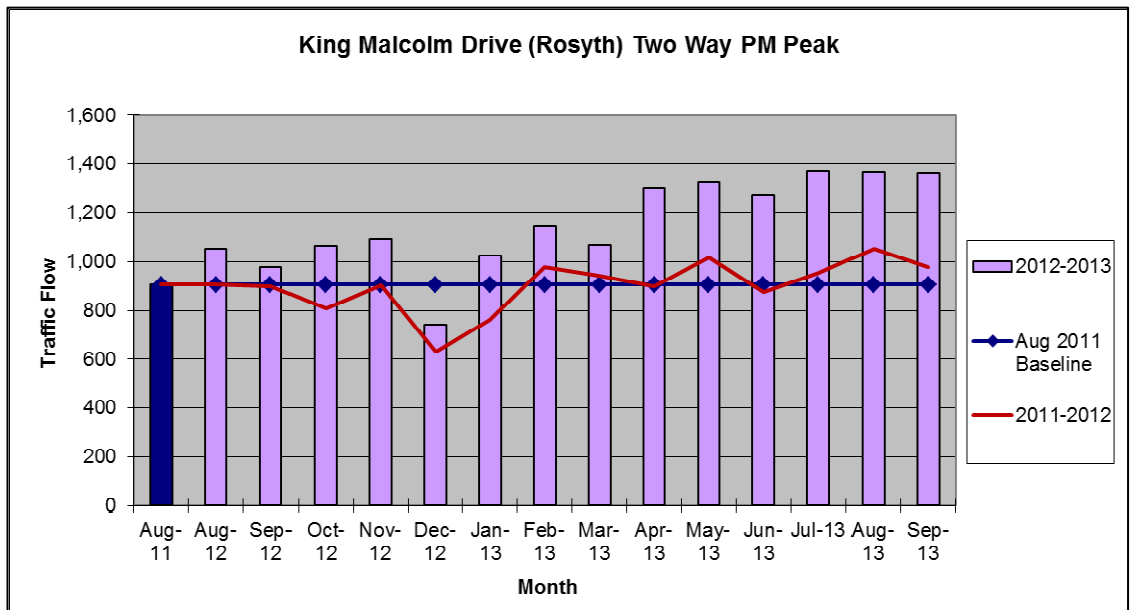


Figure 6-123 Monthly Two Way PM Peak Flows on the King Malcolm Drive (Rosyth)

### 6.7.4 Monthly Average HGV Flows

Table 6-46 Site: JTC00588 Annual HGV Traffic Flows – August 2012 to September 2013

Counter	Location	Date	EB	WB	Two Way
JTC00588	King Malcolm Drive (Rosyth)	Aug-11	71	86	156
		Aug-12	60	88	148
		Sep-12	62	80	142
		Oct-12	65	79	144
		Nov-12	62	80	142
		Dec-12	48	57	105
		Jan-13	54	67	120
		Feb-13	65	82	147
		Mar-13	63	80	144
		Apr-13	67	78	144
		May-13	76	94	170
		Jun-13	76	100	175
		Jul-13	98	124	222
		Aug-13	100	138	237
		Sep-13	95	123	218
<b>Annual Average</b>			<b>66</b>	<b>84</b>	<b>150</b>

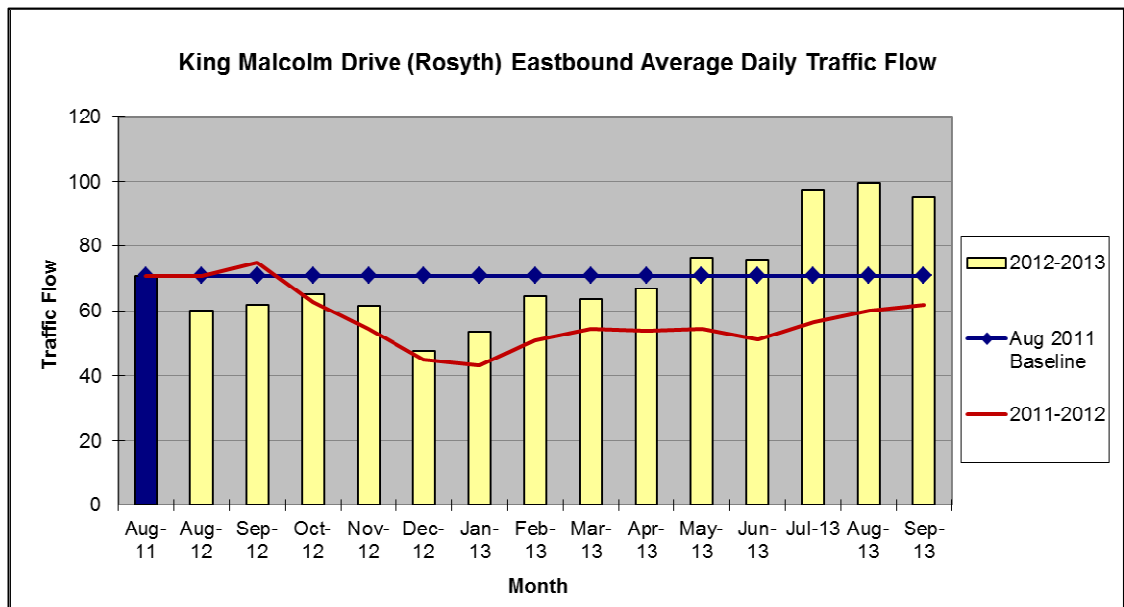


Figure 6-124 Monthly Eastbound HGV Flows on the King Malcolm Drive (Rosyth)

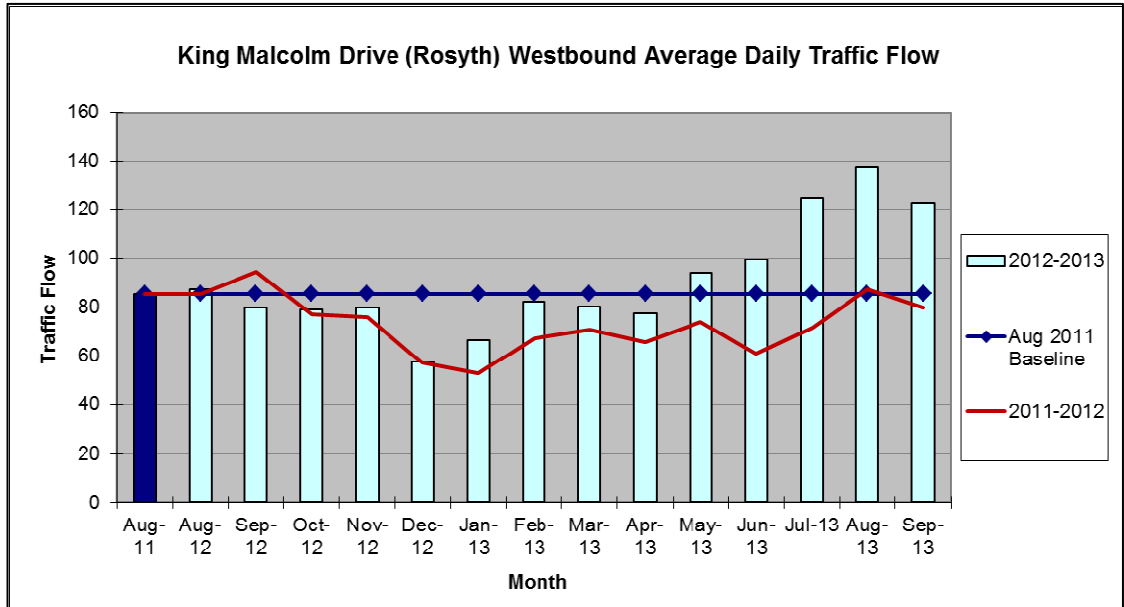


Figure 6-125 Monthly Westbound HGV Flows on the King Malcolm Drive (Rosyth)

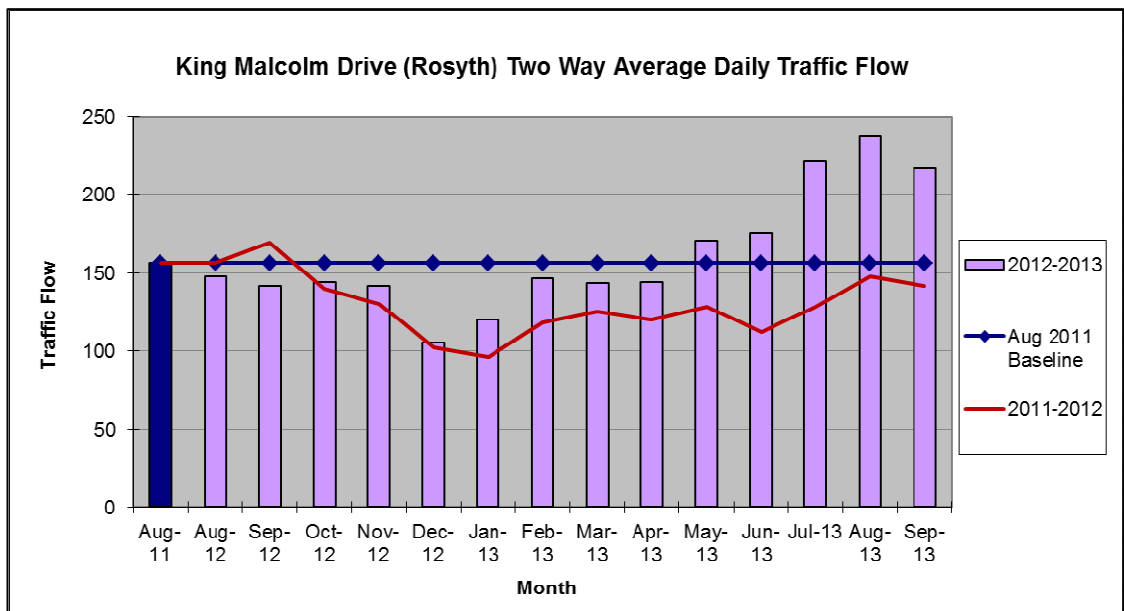


Figure 6-126 Monthly Two Way HGV Flows on the King Malcolm Drive (Rosyth)



6.7.5 Monthly Average AM Peak HGV Flows

Table 6-47 Site: JTC00588 AM Peak HGV Traffic Flows – August 2012 to September 2013

Counter	Location	Date	EB	WB	Two Way
JTC00588	King Malcolm Drive (Rosyth)	Aug-11	20	18	38
		Aug-12	16	19	35
		Sep-12	20	20	40
		Oct-12	19	18	37
		Nov-12	17	15	31
		Dec-12	13	12	25
		Jan-13	15	16	31
		Feb-13	19	18	37
		Mar-13	18	18	36
		Apr-13	18	18	35
		May-13	20	23	43
		Jun-13	23	25	48
		Jul-13	26	30	56
		Aug-13	27	35	62
		Sep-13	26	30	56
<b>Annual Average</b>			<b>19</b>	<b>19</b>	<b>38</b>

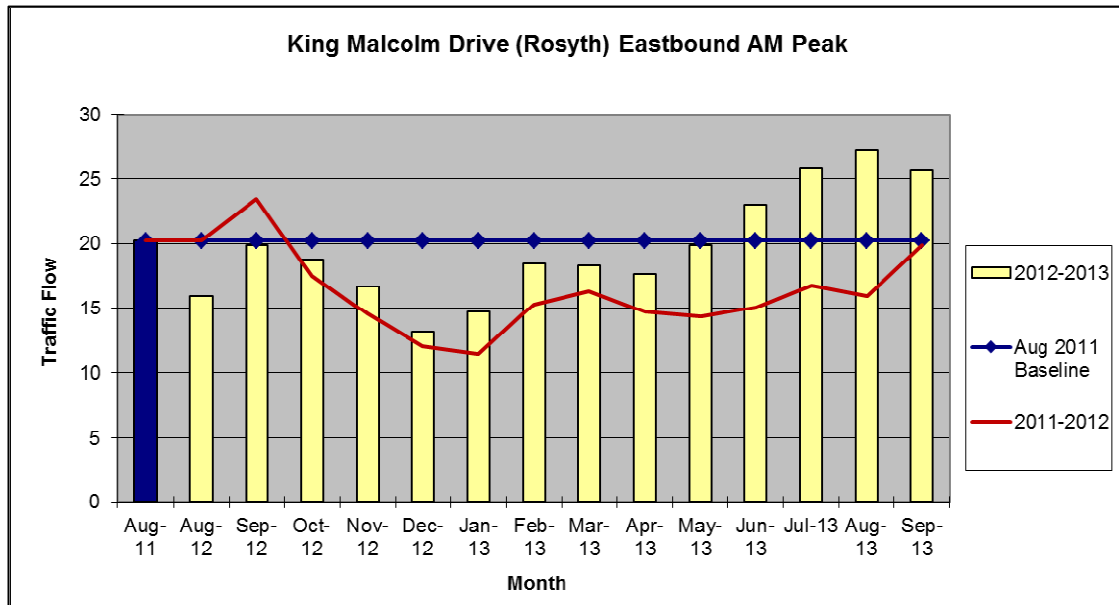


Figure 6-127 Monthly Eastbound AM Peak HGV Flows on the King Malcolm Drive (Rosyth)

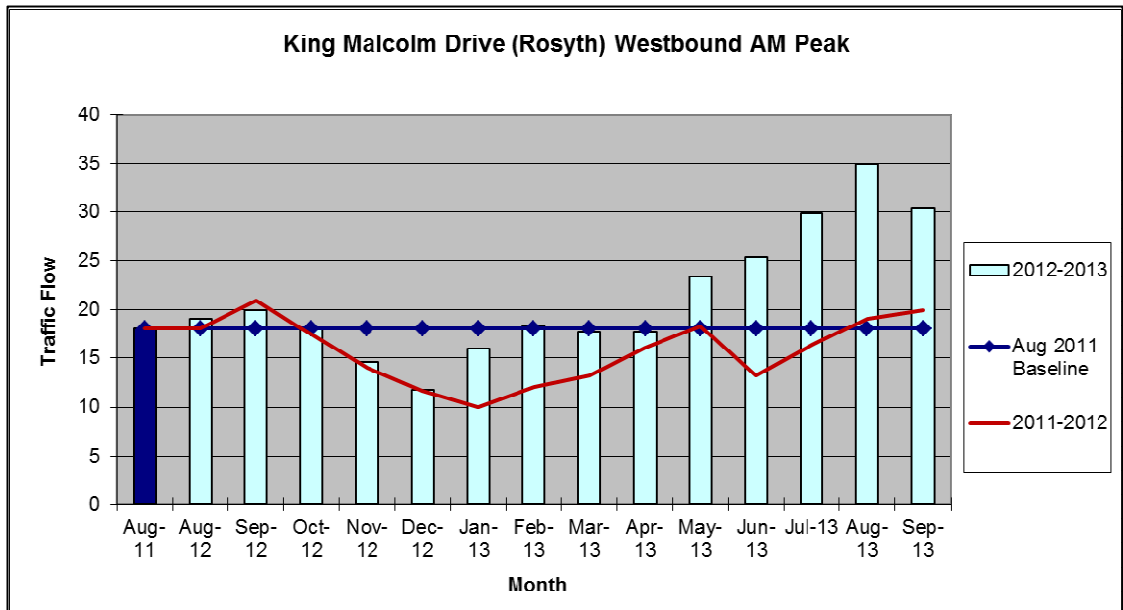


Figure 6-128 Monthly Westbound AM Peak HGV Flows on the King Malcolm Drive (Rosyth)

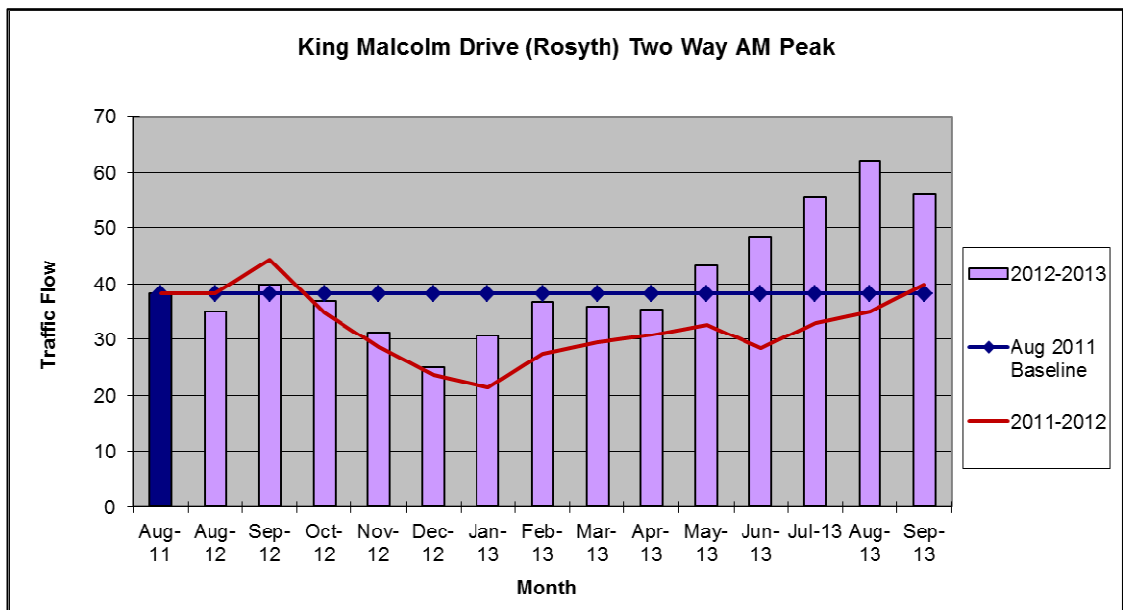


Figure 6-129 Monthly Two Way AM Peak HGV Flows on the King Malcolm Drive (Rosyth)

### 6.7.6 Monthly Average PM Peak HGV Flows

Table 6-48 Site: JTC00588 PM Peak HGV Traffic Flows – August 2012 to September 2013

Counter	Location	Date	EB	WB	Two Way
JTC00588	King Malcolm Drive (Rosyth)	Aug-11	9	12	21
		Aug-12	8	14	22
		Sep-12	7	10	17
		Oct-12	8	10	18
		Nov-12	12	17	29
		Dec-12	7	9	15
		Jan-13	6	7	13
		Feb-13	8	10	18
		Mar-13	6	10	16
		Apr-13	9	10	18
		May-13	10	10	20
		Jun-13	10	12	22
		Jul-13	13	15	28
		Aug-13	12	14	26
		Sep-13	14	15	29
<b>Annual Average</b>			<b>9</b>	<b>11</b>	<b>20</b>

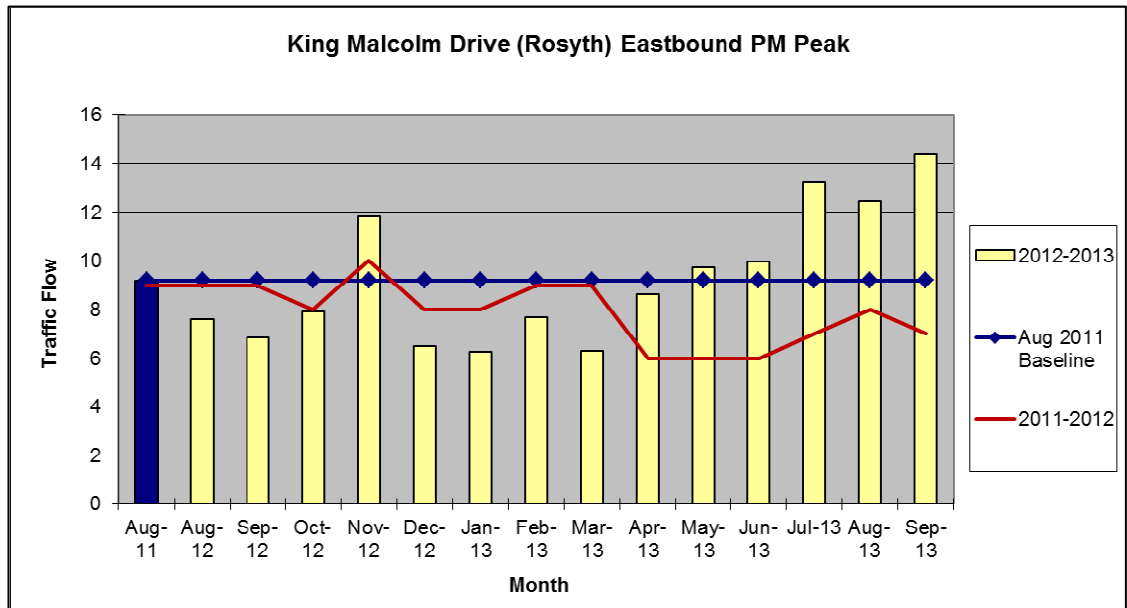


Figure 6-130 Monthly Eastbound PM HGV Peak Flows on the King Malcolm Drive (Rosyth)

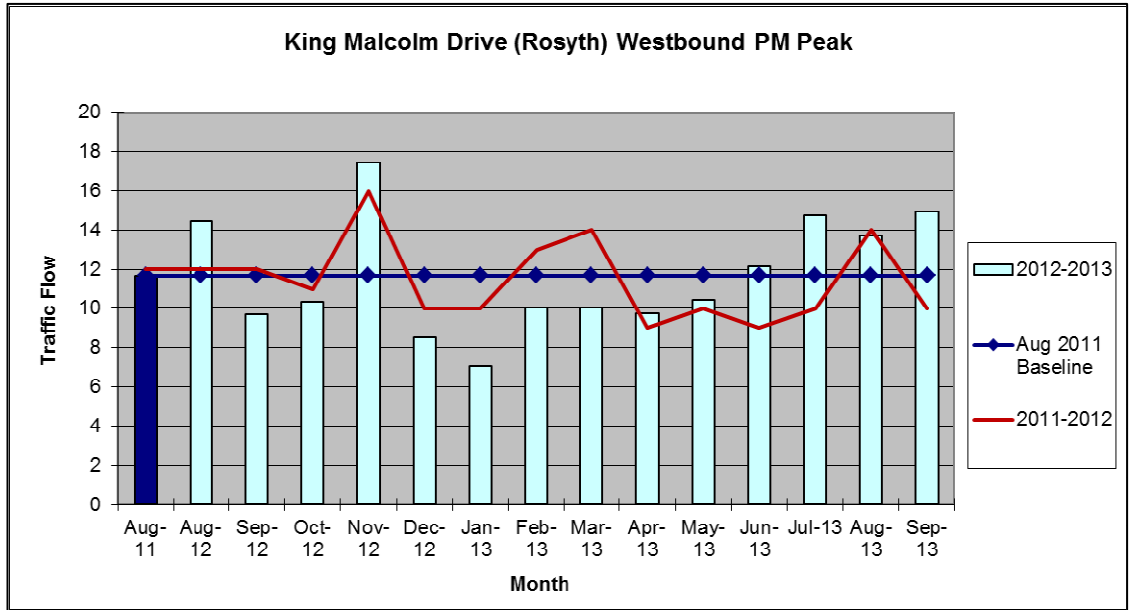


Figure 6-131 Monthly Westbound PM Peak HGV Flows on the King Malcolm Drive (Rosyth)

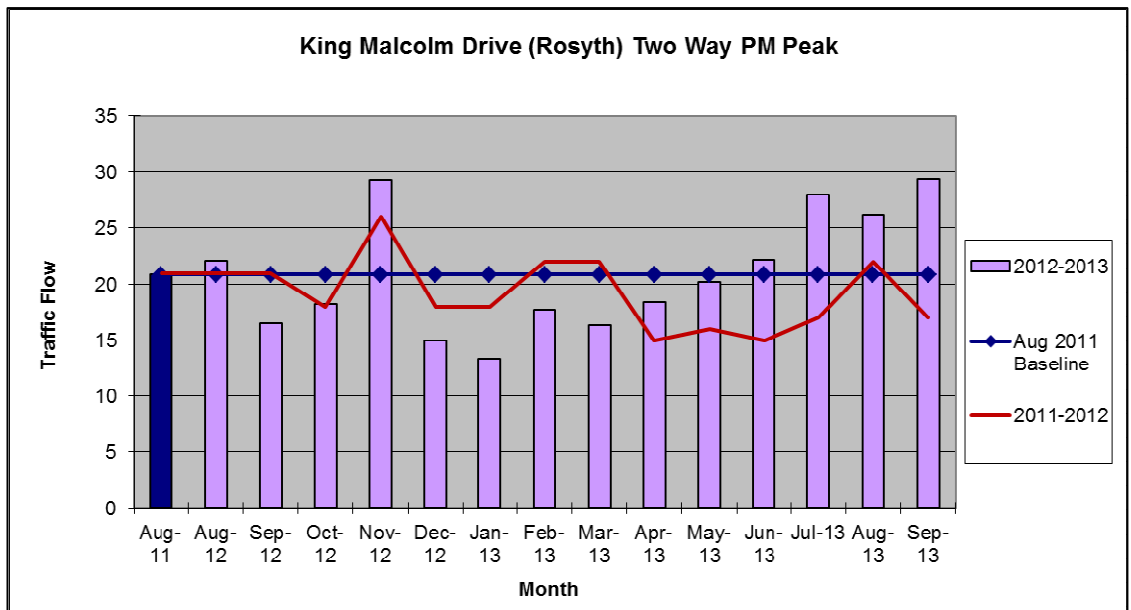
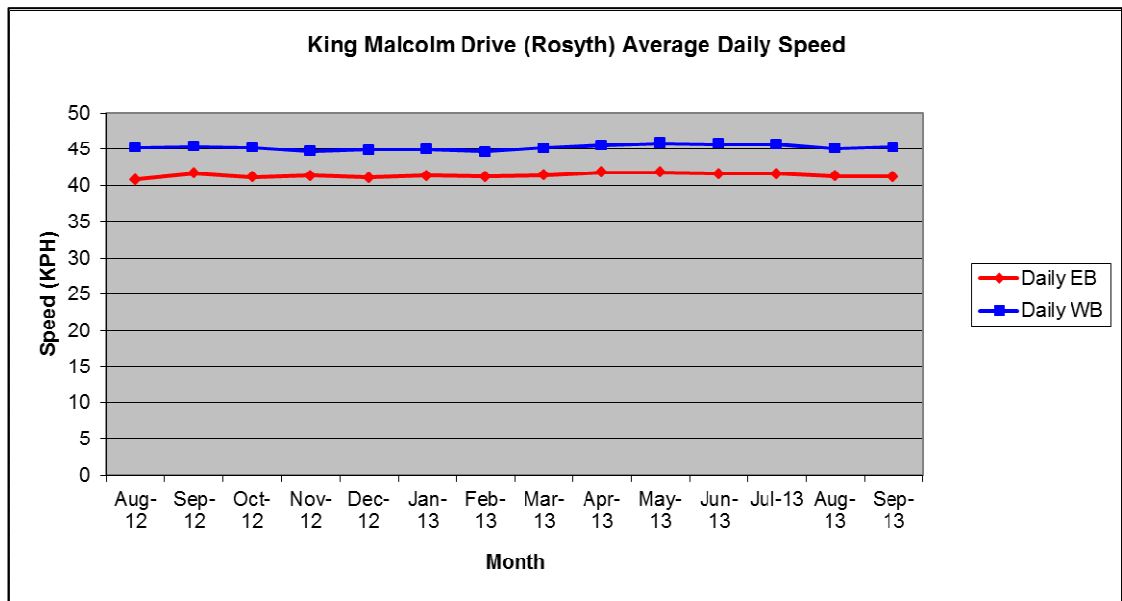


Figure 6-132 Monthly Two Way PM Peak HGV Flows on the King Malcolm Drive (Rosyth)

### 6.7.7 Monthly Average All Vehicles Traffic Speeds

**Table 6-49 Site: JTC00588 Average Monthly Traffic Speeds (KPH) (All Vehicles) – August 2012 to September 2013**

Counter	Location	Date	EB	WB
JTC00588	King Malcolm Drive (Rosyth)	Aug-12	41	45
		Sep-12	42	45
		Oct-12	41	45
		Nov-12	41	45
		Dec-12	41	45
		Jan-13	41	45
		Feb-13	41	45
		Mar-13	41	45
		Apr-13	42	46
		May-13	42	46
		Jun-13	42	46
		Jul-13	42	46
		Aug-13	41	45
		Sep-13	41	45



**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 2012 to September 2013

Counter	Location	Date	EB	WB	Two Way
JTC00593	Main Street West (Dalmeny)	Aug-11	518	372	890
		Aug-12	534	397	931
		Sep-12	440	281	721
		Oct-12	No Data	No Data	No Data
		Nov-12	No Data	No Data	No Data
		Dec-12	378	0	378
		Jan-13	431	104	535
		Feb-13	425	309	734
		Mar-13	No Data	No Data	No Data
		Apr-13	No Data	No Data	No Data
		May-13	No Data	No Data	No Data
		Jun-13	No Data	No Data	No Data
		Jul-13	No Data	No Data	No Data
		Aug-13	No Data	No Data	No Data
		Sep-13	No Data	No Data	No Data
		<b>Annual Average</b>			<b>442</b>

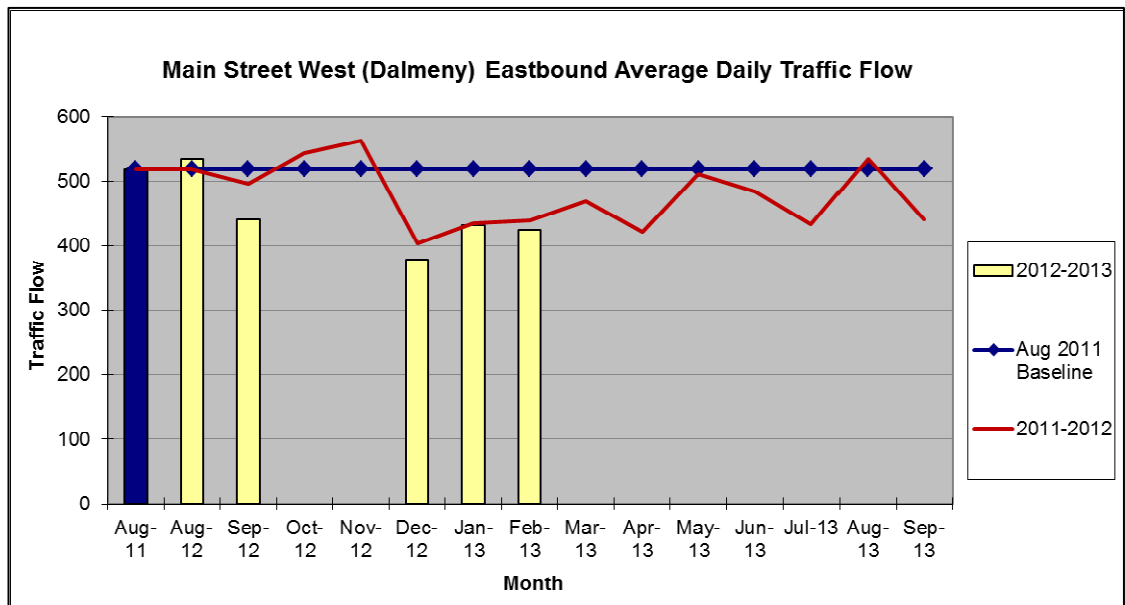


Figure 6-134 Monthly Eastbound AADTs on the Main Street West (Dalmeny)

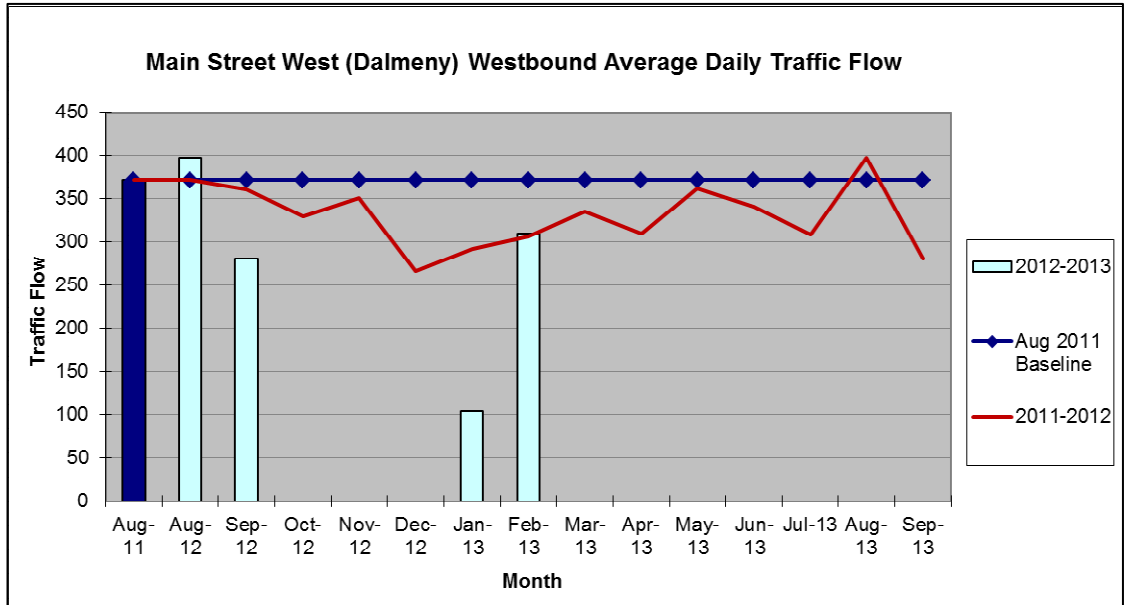


Figure 6-135 Monthly Westbound AADTs on the Main Street West (Dalmeny)

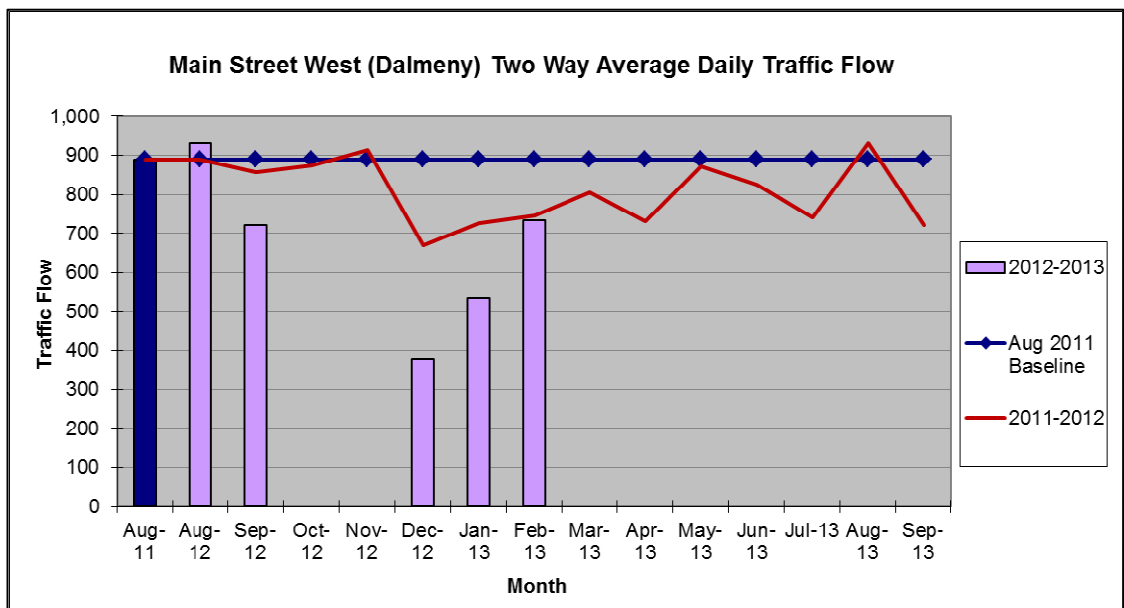


Figure 6-136 Monthly Two Way Daily Traffic Flows on the Main Street West (Dalmeny)

### 6.8.2 Monthly Average AM Peak Traffic Flows

Table 6-51 Site: JTC00593 AM Peak Traffic Flows – August 2012 to September 2013

Counter	Location	Date	EB	WB	Two Way
JTC00593	Main Street West (Dalmeny)	Aug-11	51	76	126
		Aug-12	58	84	143
		Sep-12	60	59	118
		Oct-12	No Data	No Data	No Data
		Nov-12	No Data	No Data	No Data
		Dec-12	40	0	40
		Jan-13	45	25	70
		Feb-13	50	74	124
		Mar-13	No Data	No Data	No Data
		Apr-13	No Data	No Data	No Data
		May-13	No Data	No Data	No Data
		Jun-13	No Data	No Data	No Data
		Jul-13	No Data	No Data	No Data
		Aug-13	No Data	No Data	No Data
		Sep-13	No Data	No Data	No Data
		<b>Annual Average</b>			<b>50</b>

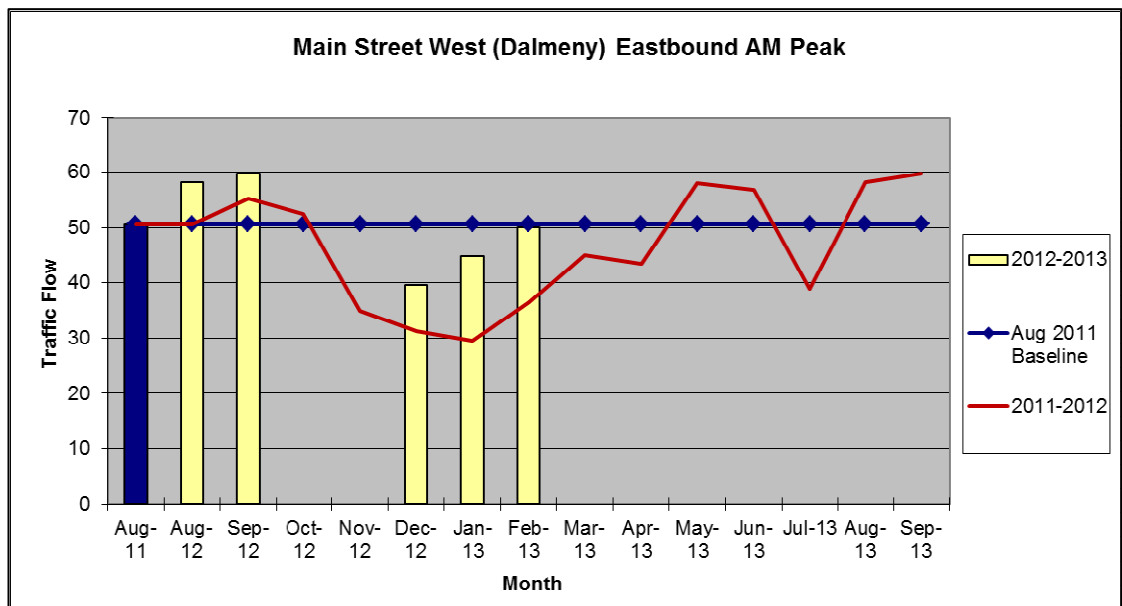


Figure 6-137 Monthly Eastbound AM Peak Flows on the Main Street West (Dalmeny)



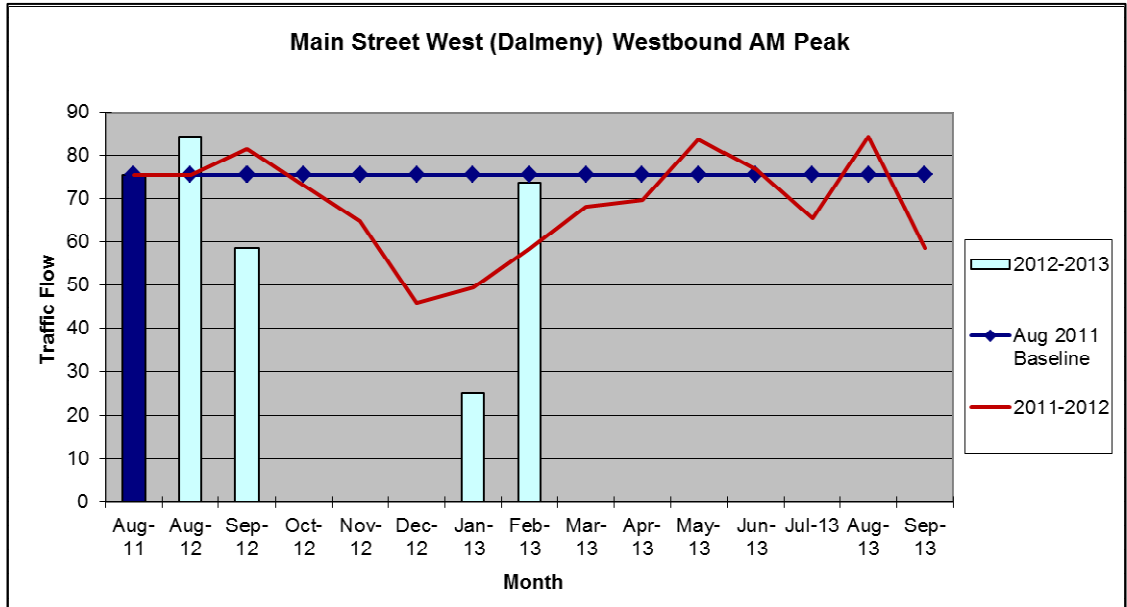


Figure 6-138 Monthly Westbound AM Peak Flows on the Main Street West (Dalmeny)

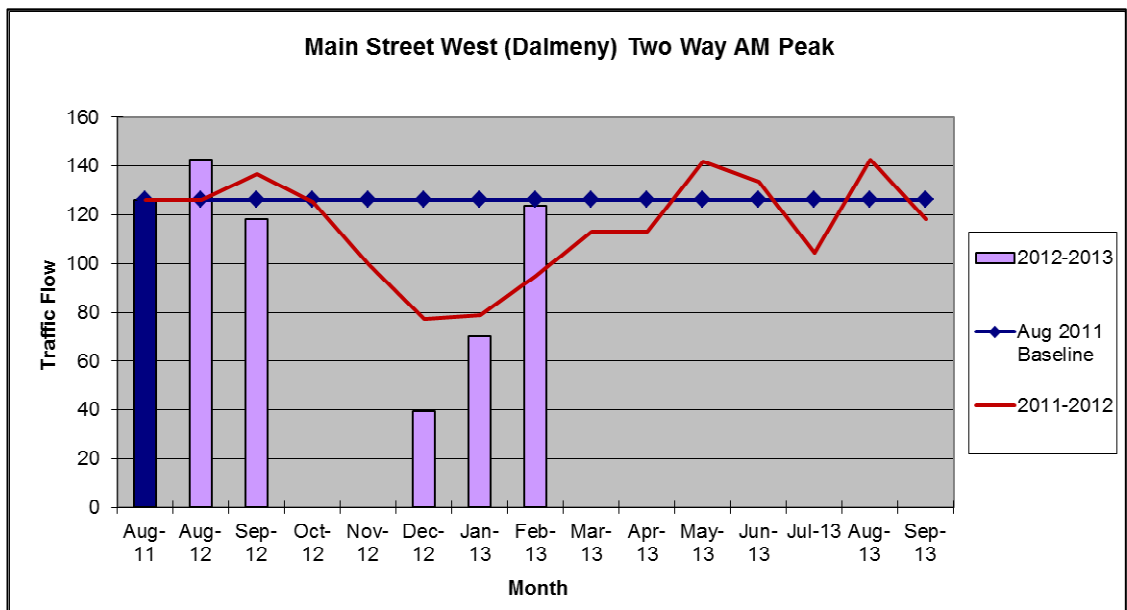


Figure 6-139 Monthly Two Way AM Peak Flows on the Main Street West (Dalmeny)

### 6.8.3 Monthly Average PM Peak Traffic Flows

Table 6-52 Site: JTC00593 PM Peak Traffic Flows – August 2012 to September 2013

Counter	Location	Date	EB	WB	Two Way		
JTC00593	Main Street West (Dalmeny)	Aug-11	179	75	254		
		Aug-12	173	81	254		
		Sep-12	129	55	184		
		Oct-12	No Data	No Data	No Data		
		Nov-12	No Data	No Data	No Data		
		Dec-12	107	0	107		
		Jan-13	127	19	146		
		Feb-13	133	56	189		
		Mar-13	No Data	No Data	No Data		
		Apr-13	No Data	No Data	No Data		
		May-13	No Data	No Data	No Data		
		Jun-13	No Data	No Data	No Data		
		Jul-13	No Data	No Data	No Data		
		Aug-13	No Data	No Data	No Data		
		Sep-13	No Data	No Data	No Data		
		<b>Annual Average</b>			<b>134</b>	<b>53</b>	<b>176</b>

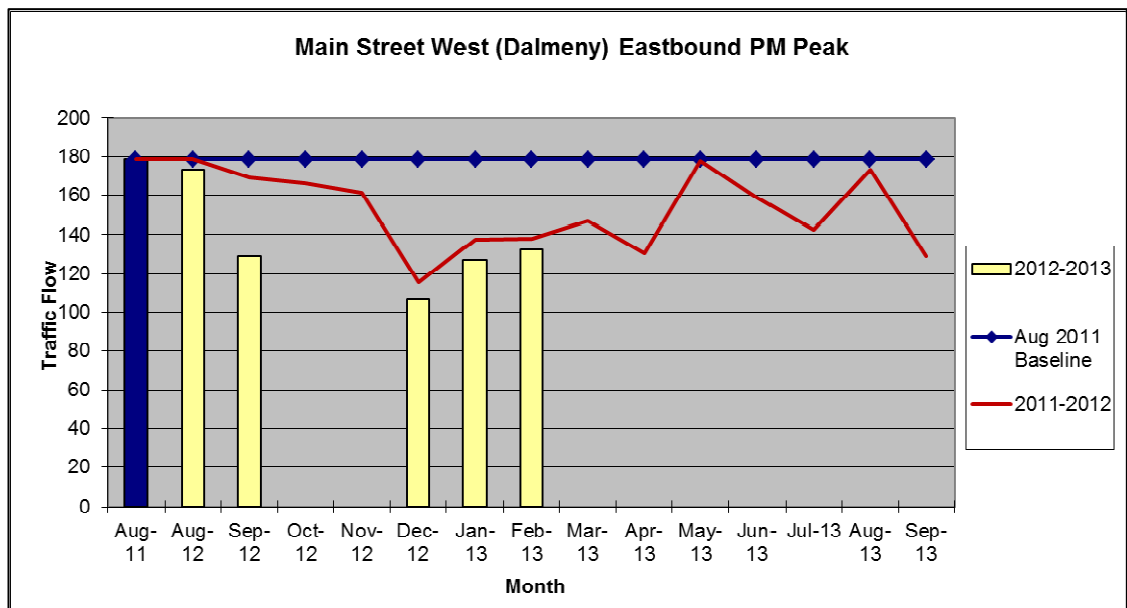


Figure 6-140 Monthly Eastbound PM Peak Flows on the Main Street West (Dalmeny)

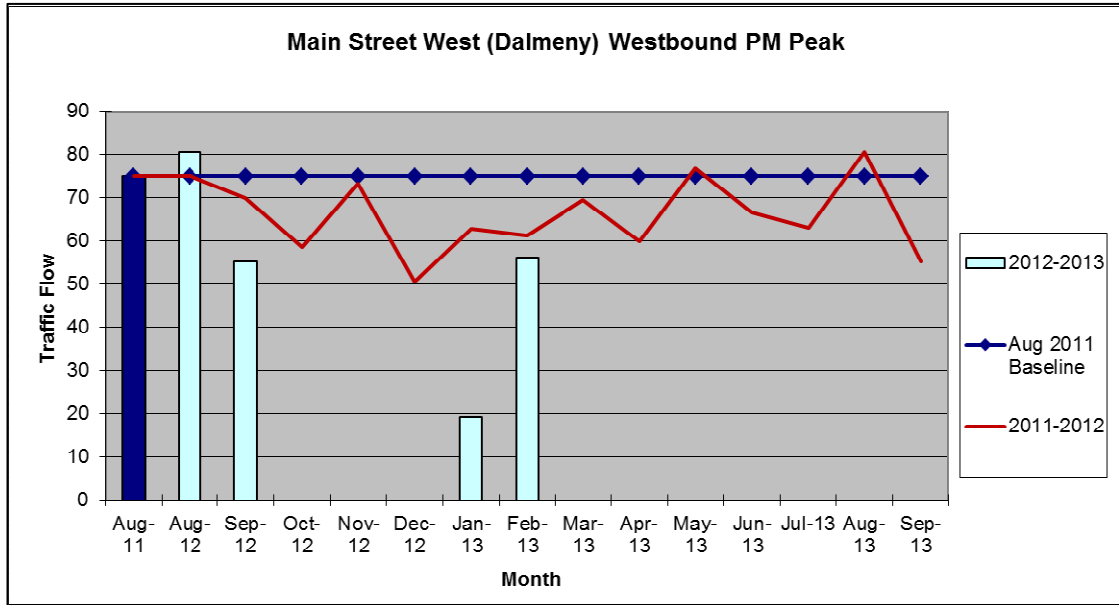


Figure 6-141 Monthly Westbound PM Peak Flows on the Main Street West (Dalmeny)

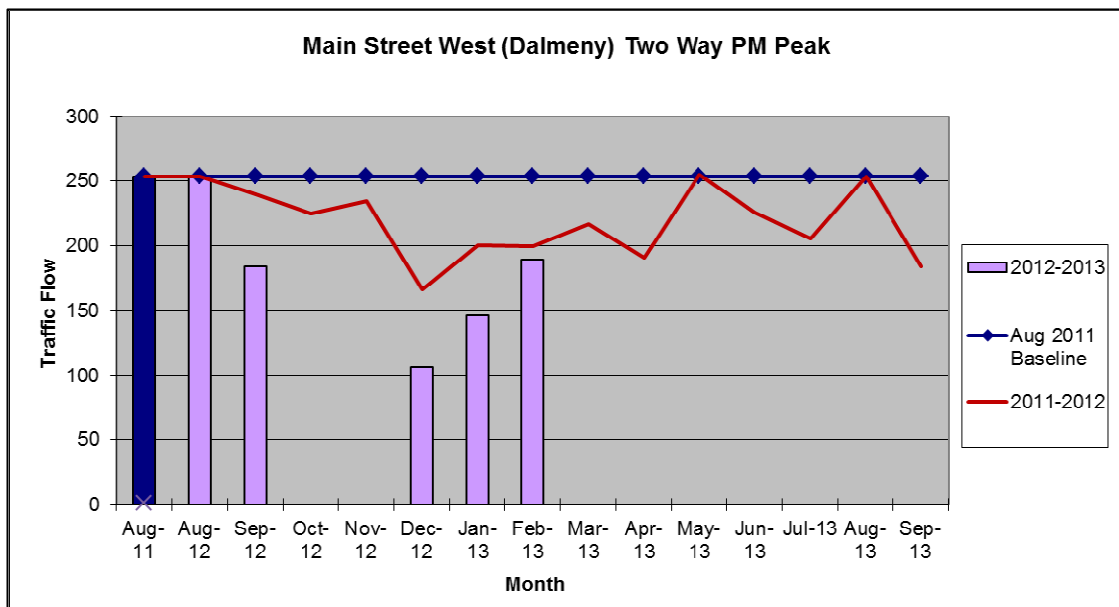


Figure 6-142 Monthly Two Way PM Peak Flows on the Main Street West (Dalmeny)

### 6.8.4 Monthly Average HGV Flows

Table 6-53 Site: JTC00593 Annual HGV Traffic Flows – August 2012 to September 2013

Counter	Location	Date	EB	WB	Two Way
JTC00593	Main Street West (Dalmeny)	Aug-11	36	24	59
		Aug-12	28	17	45
		Sep-12	22	12	34
		Oct-12	No Data	No Data	No Data
		Nov-12	No Data	No Data	No Data
		Dec-12	20	0	20
		Jan-13	15	0	15
		Feb-13	3	2	5
		Mar-13	No Data	No Data	No Data
		Apr-13	No Data	No Data	No Data
		May-13	No Data	No Data	No Data
		Jun-13	No Data	No Data	No Data
		Jul-13	No Data	No Data	No Data
		Aug-13	No Data	No Data	No Data
		Sep-13	No Data	No Data	No Data
		<b>Annual Average</b>			<b>18</b>

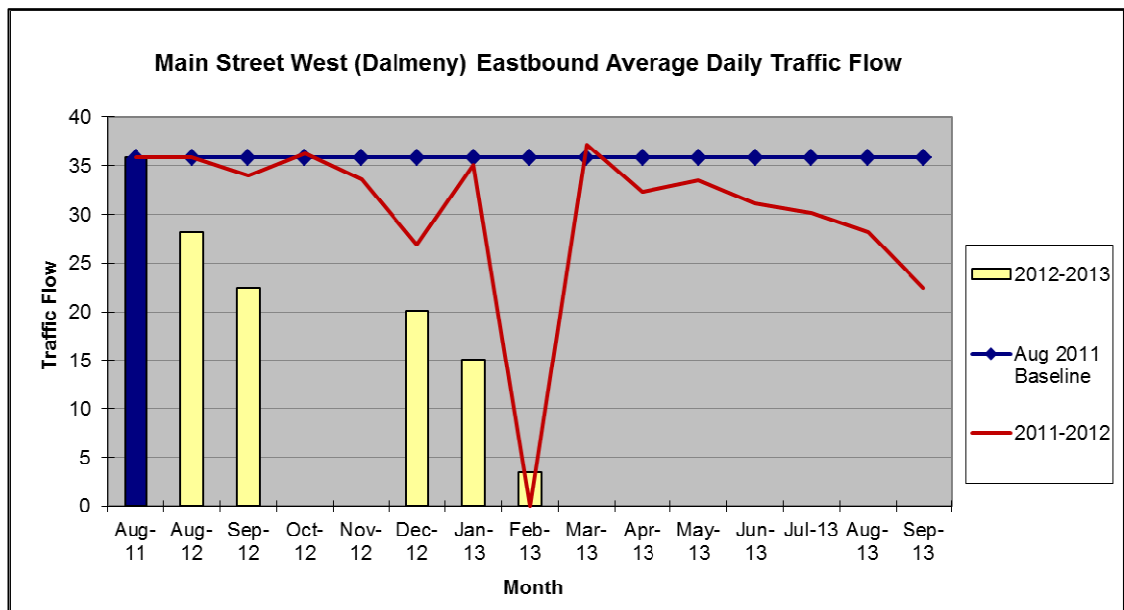


Figure 6-143 Monthly Eastbound HGV Flows on the Main Street West (Dalmeny)

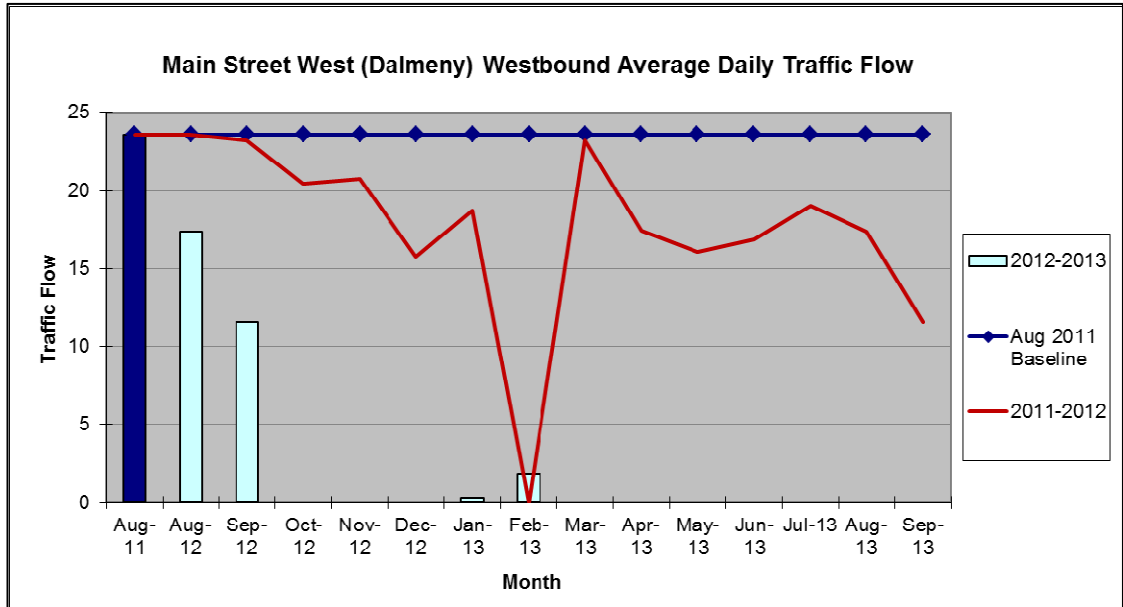


Figure 6-144 Monthly Westbound HGV Flows on the Main Street West (Dalmeny)

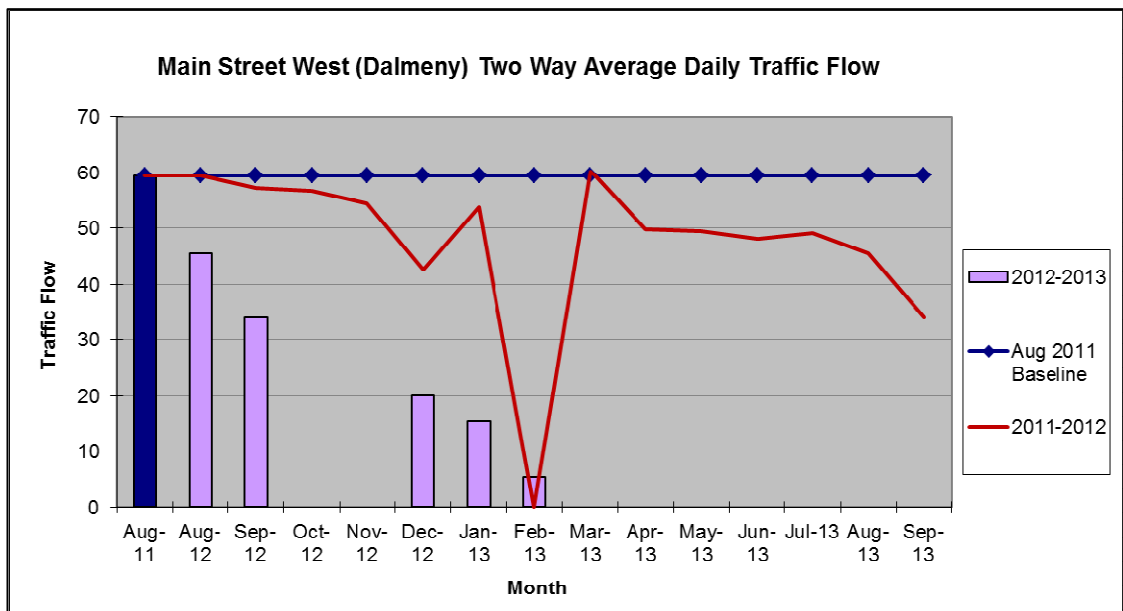


Figure 6-145 Monthly Two Way HGV Flows on the Main Street West (Dalmeny)

### 6.8.5 Monthly Average AM Peak HGV Flows

Table 6-54 Site: JTC00593 AM Peak HGV Traffic Flows – August 2012 to September 2013

Counter	Location	Date	EB	WB	Two Way
JTC00593	Main Street West (Dalmeny)	Aug-11	5	5	10
		Aug-12	3	3	6
		Sep-12	4	2	6
		Oct-12	No Data	No Data	No Data
		Nov-12	No Data	No Data	No Data
		Dec-12	3	0	3
		Jan-13	2	0	2
		Feb-13	0	0	1
		Mar-13	No Data	No Data	No Data
		Apr-13	No Data	No Data	No Data
		May-13	No Data	No Data	No Data
		Jun-13	No Data	No Data	No Data
		Jul-13	No Data	No Data	No Data
		Aug-13	No Data	No Data	No Data
		Sep-13	No Data	No Data	No Data
		<b>Annual Average</b>	<b>2</b>	<b>1</b>	<b>4</b>

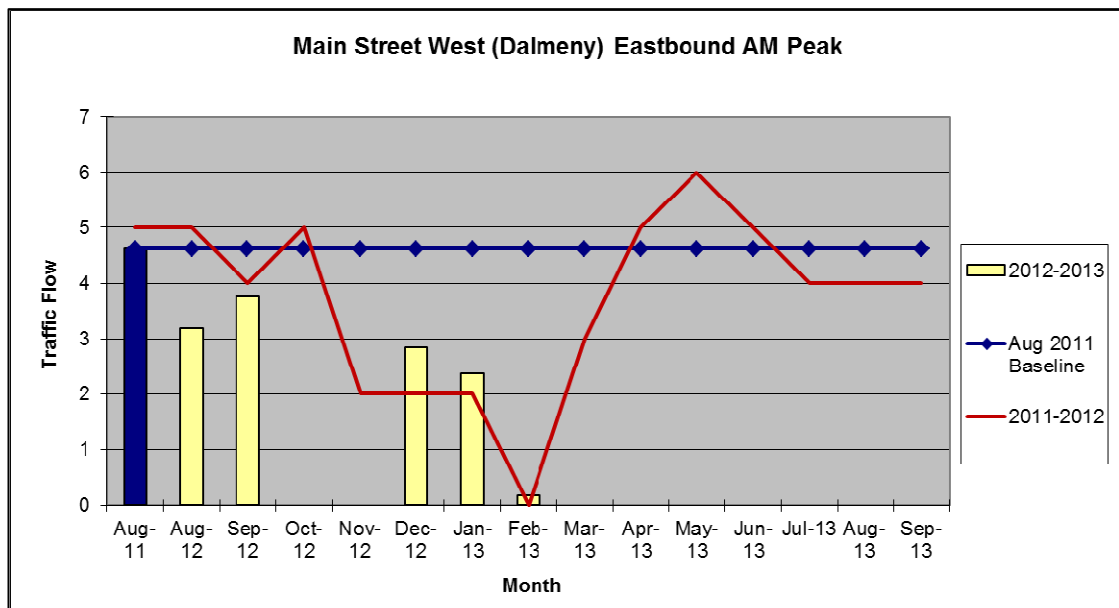


Figure 6-146 Monthly Eastbound AM Peak HGV Flows on the Main Street West (Dalmeny)

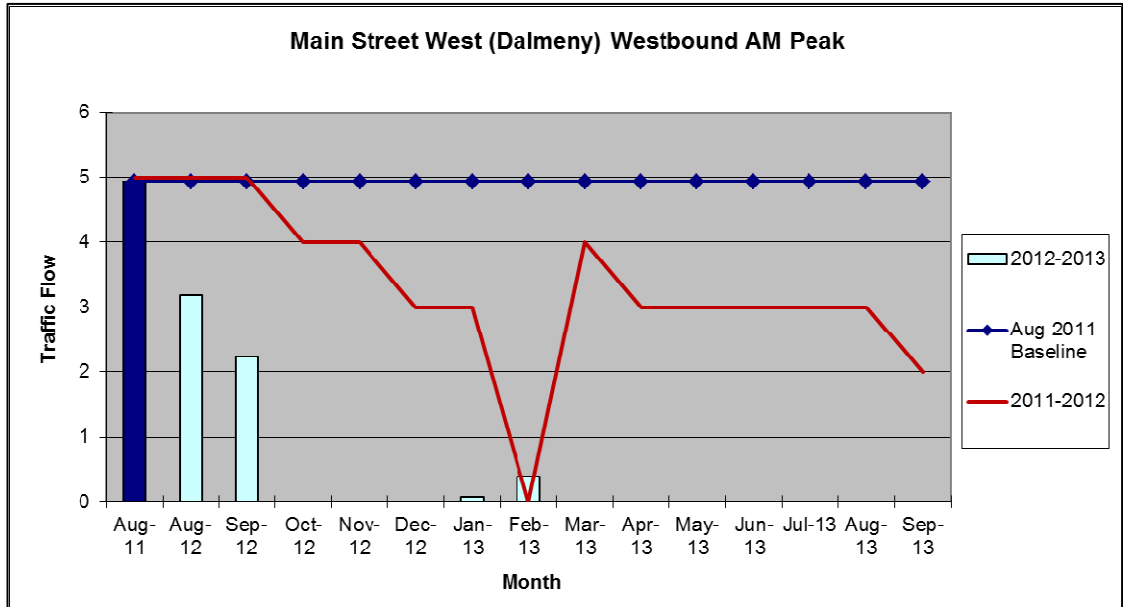


Figure 6-147 Monthly Westbound AM Peak HGV Flows on the Main Street West (Dalmeny)

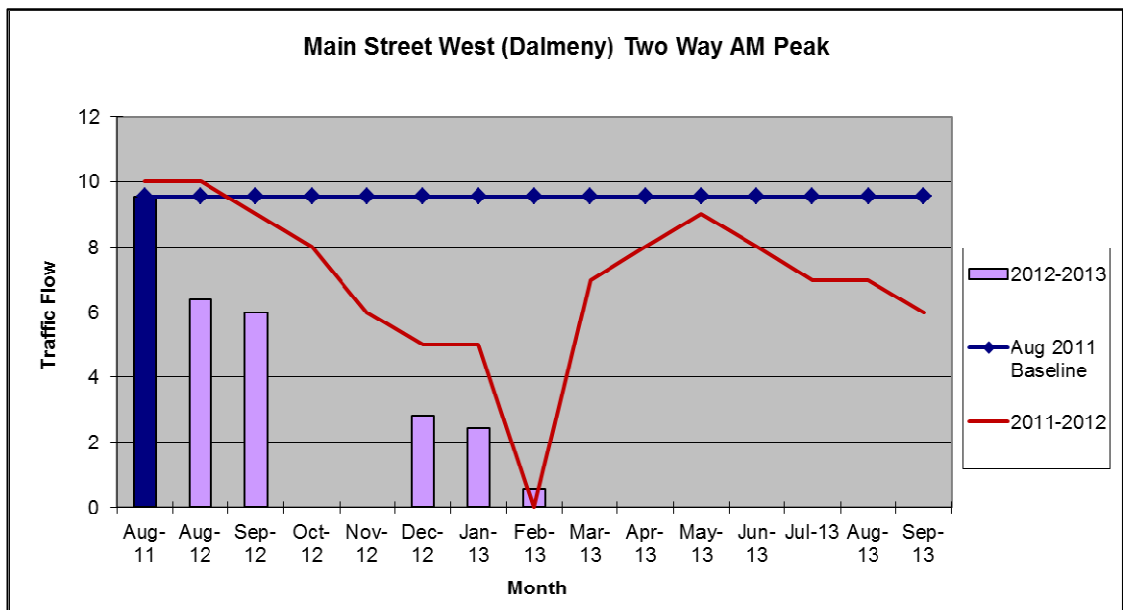


Figure 6-148 Monthly Two Way AM Peak HGV Flows on the Main Street West (Dalmeny)

6.8.6 Monthly Average PM Peak HGV Flows

Table 6-55 Site: JTC00593 PM Peak HGV Traffic Flows – August 2012 to September 2013

Counter	Location	Date	EB	WB	Two Way
JTC00593	Main Street West (Dalmeny)	Aug-11	8	5	13
		Aug-12	7	4	10
		Sep-12	5	2	7
		Oct-12	No Data	No Data	No Data
		Nov-12	No Data	No Data	No Data
		Dec-12	5	0	5
		Jan-13	4	0	4
		Feb-13	1	0	1
		Mar-13	No Data	No Data	No Data
		Apr-13	No Data	No Data	No Data
		May-13	No Data	No Data	No Data
		Jun-13	No Data	No Data	No Data
		Jul-13	No Data	No Data	No Data
		Aug-13	No Data	No Data	No Data
		Sep-13	No Data	No Data	No Data
		<b>Annual Average</b>			<b>4</b>

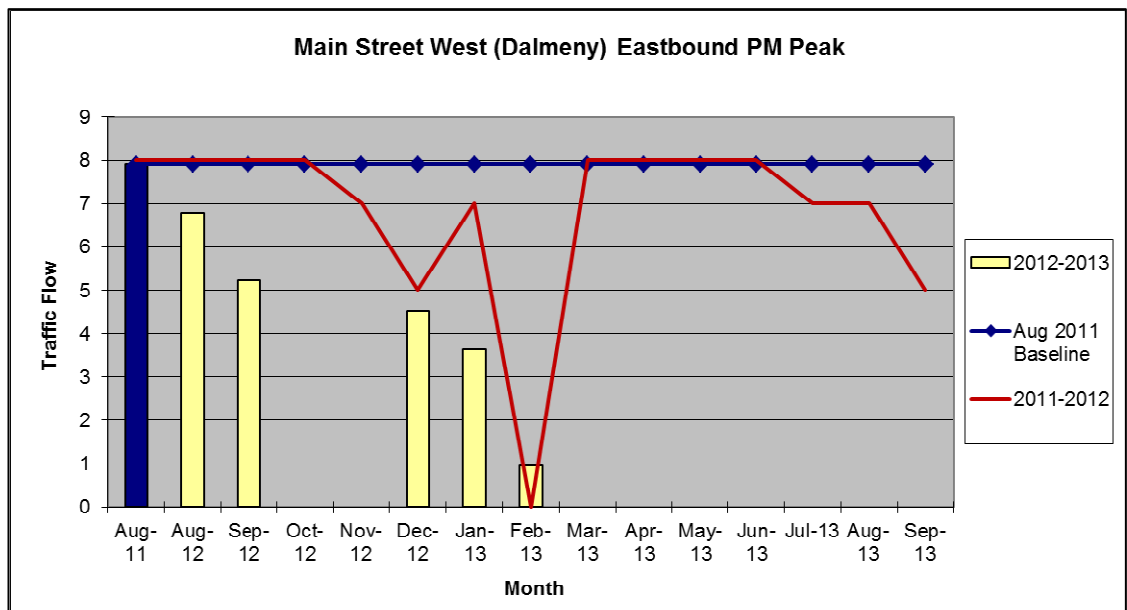


Figure 6-149 Monthly Eastbound PM HGV Peak Flows on the Main Street West (Dalmeny)



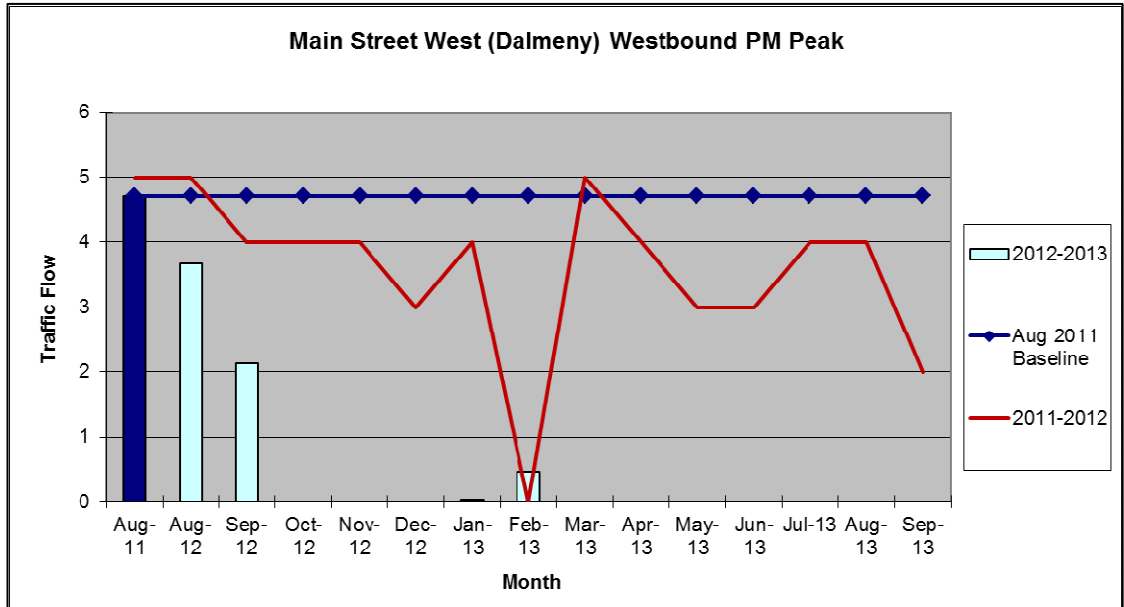


Figure 6-150 Monthly Westbound PM Peak HGV Flows on the Main Street West (Dalmeny)

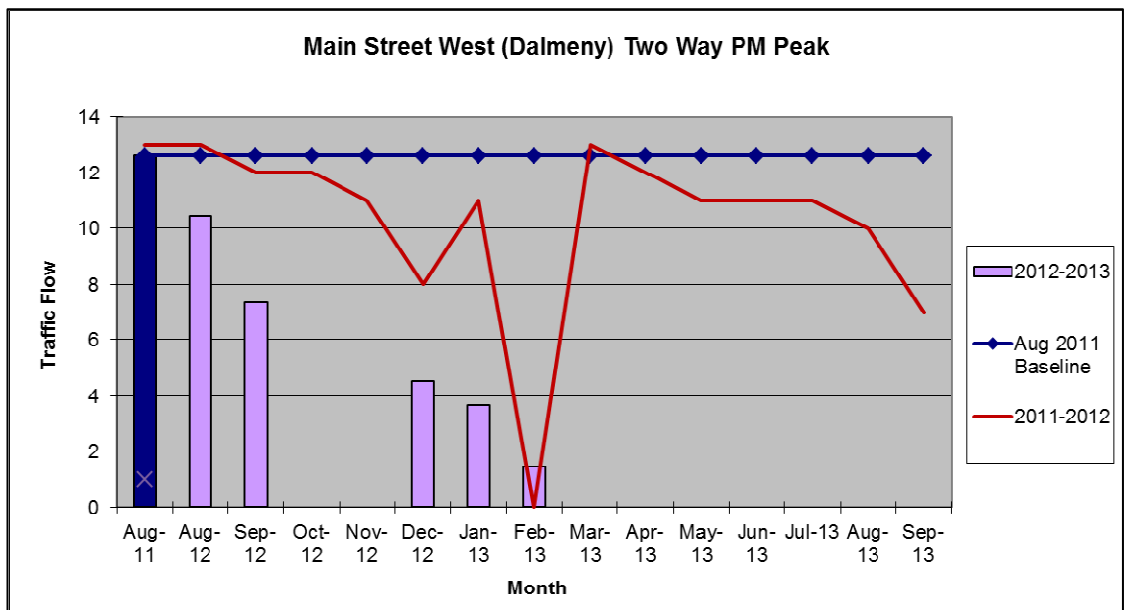


Figure 6-151 Monthly Two Way PM Peak HGV Flows on the Main Street West (Dalmeny)

6.8.7 Monthly Average All Vehicles Traffic Speeds

Table 6-56 Site: JTC00593 Average Monthly Traffic Speeds (KPH) (All Vehicles) – August 2012 to September 2013

Counter	Location	Date	EB	WB
JTC00593	Main Street West (Dalmeny)	Aug-12	52	52
		Sep-12	51	51
		Oct-12	28	
		Nov-12	No Data	No Data
		Dec-12	48	No Data
		Jan-13	54	54
		Feb-13	53	53
		Mar-13	No Data	No Data
		Apr-13	No Data	No Data
		May-13	No Data	No Data
		Jun-13	No Data	No Data
		Jul-13	No Data	No Data
		Aug-13	No Data	No Data
		Sep-13	No Data	No Data

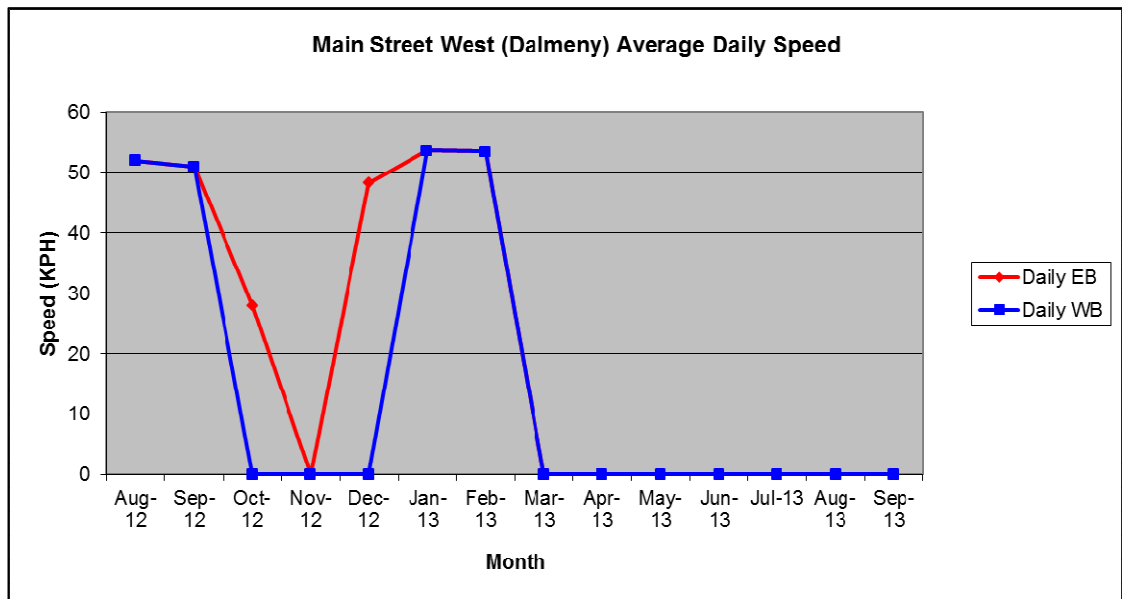


Figure 6-152 Average Monthly Traffic Speeds (KPH) on the Main Street West (Dalmeny)

## 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 2012 to September 2013

Counter	Location	Date	EB	WB	Two Way
JTC00596	Society Road (South Queensferry)	Aug-11	756	672	1,427
		Aug-12	763	686	1,449
		Sep-12	680	580	1,260
		Oct-12	580	542	1,123
		Nov-12	722	655	1,377
		Dec-12	580	526	1,106
		Jan-13	504	512	1,016
		Feb-13	No Data	No Data	No Data
		Mar-13	No Data	No Data	No Data
		Apr-13	428	424	851
		May-13	705	646	1,351
		Jun-13	727	638	1,365
		Jul-13	631	585	1,216
		Aug-13	937	343	1,279
		Sep-13	1,088	283	1,371
		<b>Annual Average</b>	<b>632</b>	<b>579</b>	<b>1,211</b>

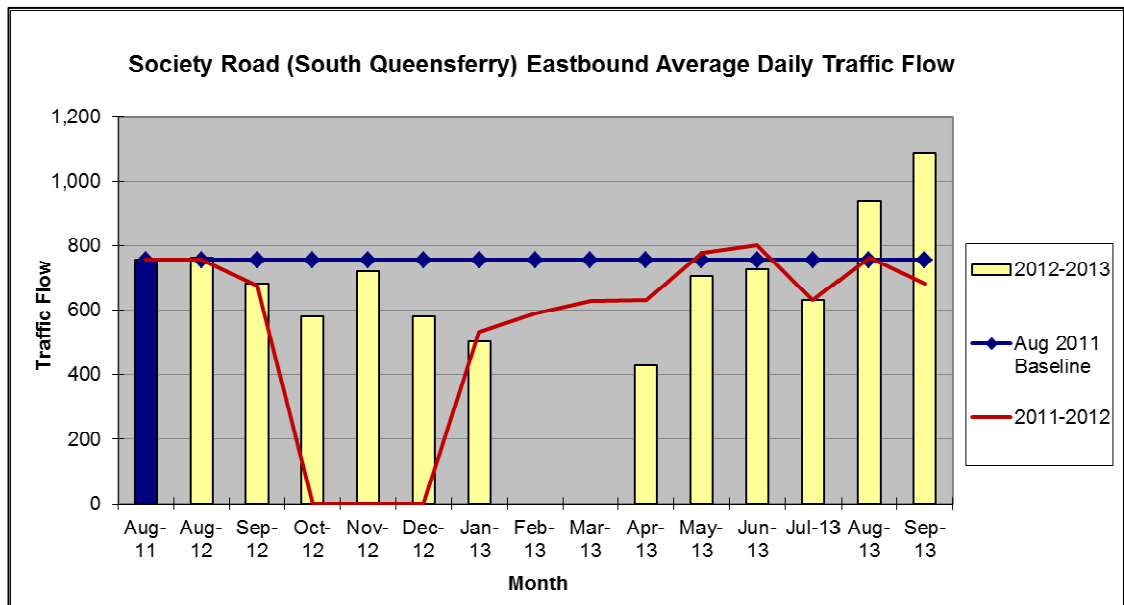


Figure 6-153 Monthly Eastbound AADTs on the Society Road (South Queensferry)

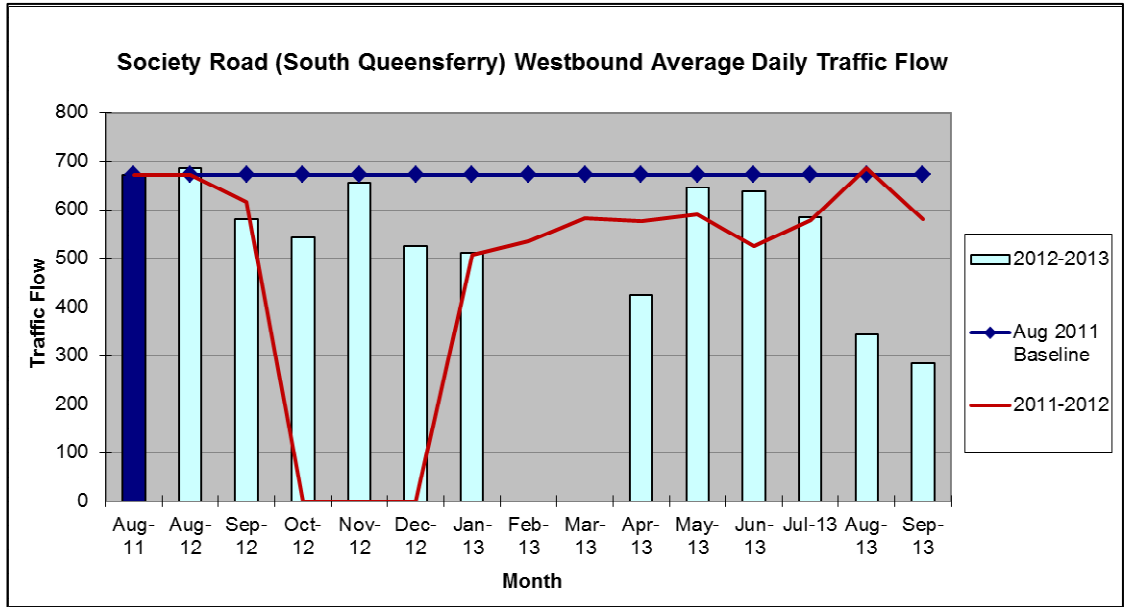


Figure 6-154 Monthly Westbound AADTs on the Society Road (South Queensferry)

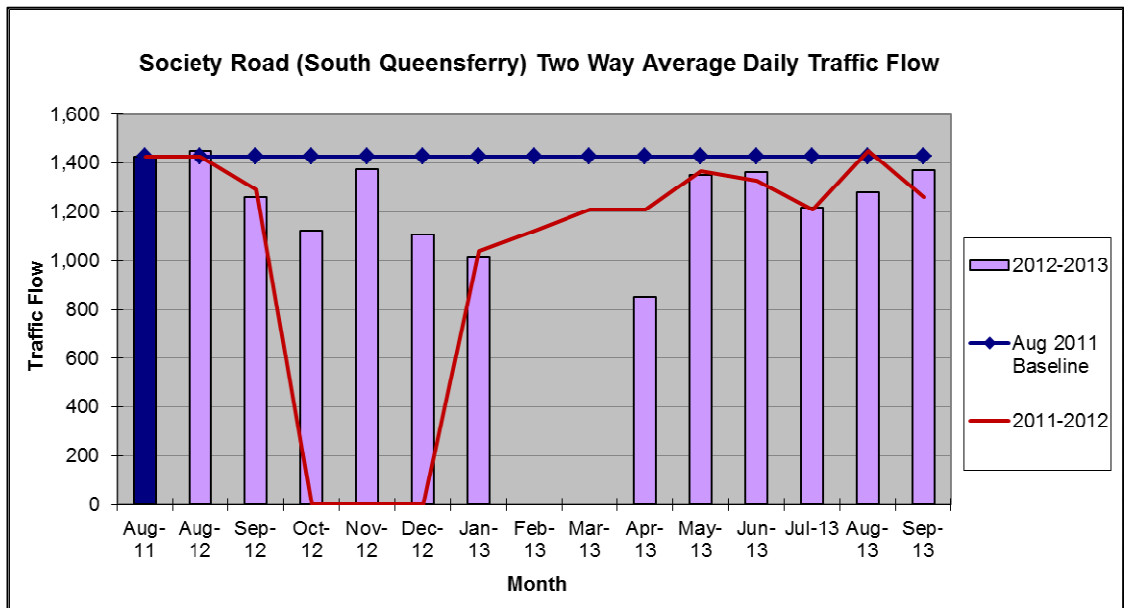


Figure 6-155 Monthly Two Way Daily Traffic Flows on the Society Road (South Queensferry)

### 6.9.2 Monthly Average AM Peak Traffic Flows

Table 6-58 Site: JTC00596 AM Peak Traffic Flows – August 2012 to September 2013

Counter	Location	Date	EB	WB	Two Way
JTC00596	Society Road (South Queensferry)	Aug-11	118	76	194
		Aug-12	119	83	202
		Sep-12	123	70	193
		Oct-12	119	63	182
		Nov-12	105	47	152
		Dec-12	98	50	147
		Jan-13	97	56	153
		Feb-13	No Data	No Data	No Data
		Mar-13	No Data	No Data	No Data
		Apr-13	44	33	77
		May-13	116	99	215
		Jun-13	127	103	230
		Jul-13	112	89	200
		Aug-13	162	53	215
		Sep-13	188	49	237
	<b>Annual Average</b>		<b>106</b>	<b>69</b>	<b>175</b>

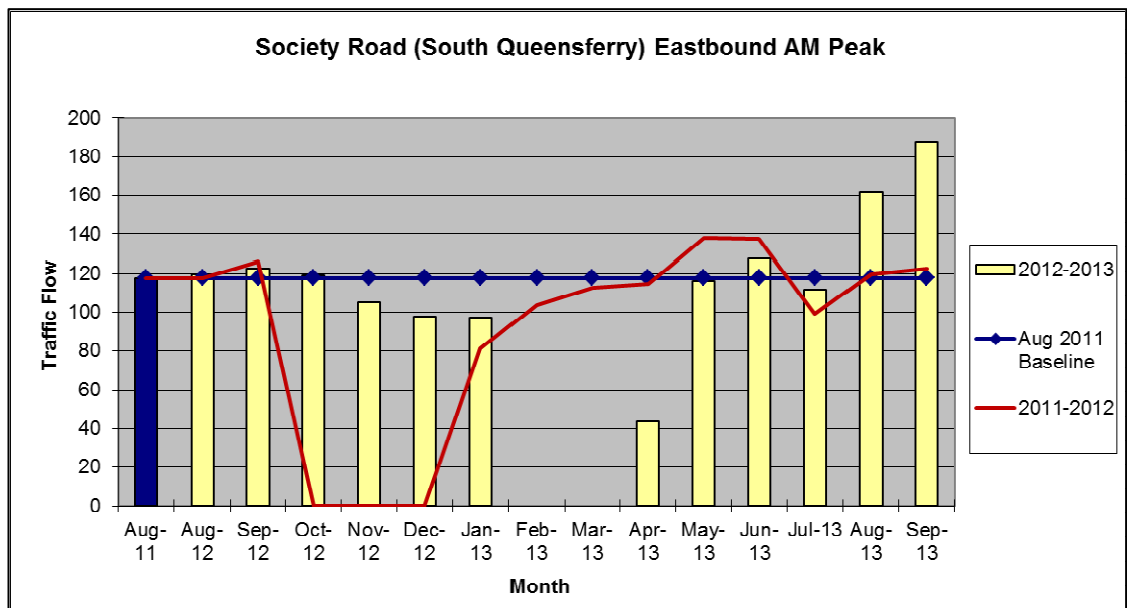


Figure 6-156 Monthly Eastbound AM Peak Flows on Society Road (South Queensferry)

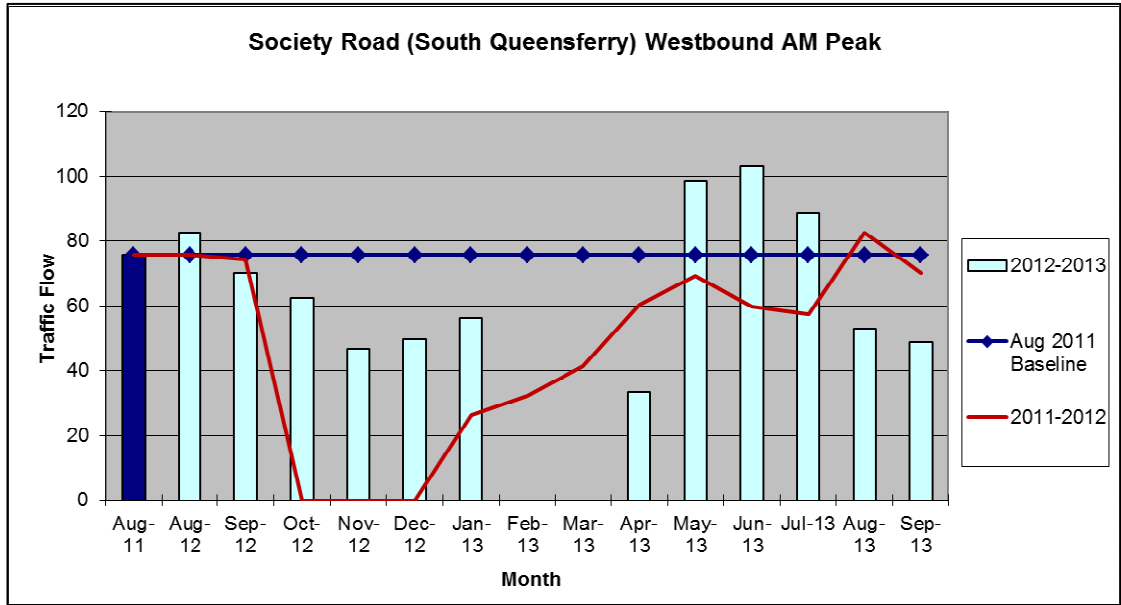


Figure 6-157 Monthly Westbound AM Peak Flows on the Society Road (South Queensferry)

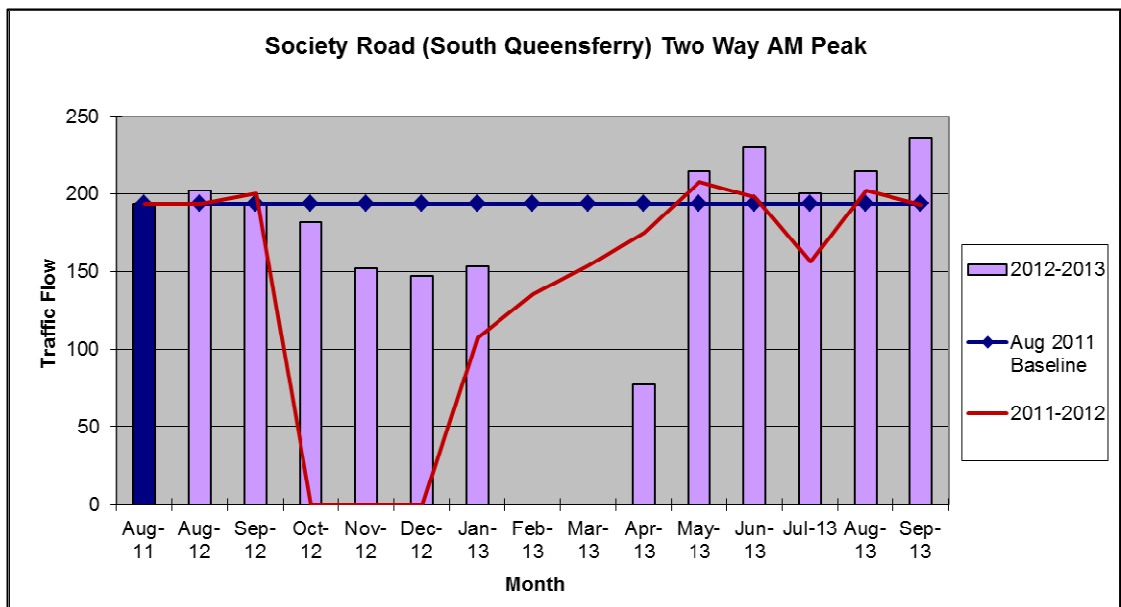


Figure 6-158 Monthly Two Way AM Peak Flows on the Society Road (South Queensferry)

### 6.9.3 Monthly Average PM Peak Traffic Flows

Table 6-59 Site: JTC00596 PM Peak Traffic Flows – August 2012 to September 2013

Counter	Location	Date	EB	WB	Two Way
JTC00596	Society Road (South Queensferry)	Aug-11	154	150	305
		Aug-12	170	146	316
		Sep-12	151	140	291
		Oct-12	121	144	265
		Nov-12	166	148	314
		Dec-12	112	124	236
		Jan-13	102	122	224
		Feb-13	No Data	No Data	No Data
		Mar-13	No Data	No Data	No Data
		Apr-13	96	114	210
		May-13	141	147	288
		Jun-13	142	136	278
		Jul-13	120	125	246
		Aug-13	177	76	253
		Sep-13	221	61	282
		<b>Annual Average</b>			<b>132</b>

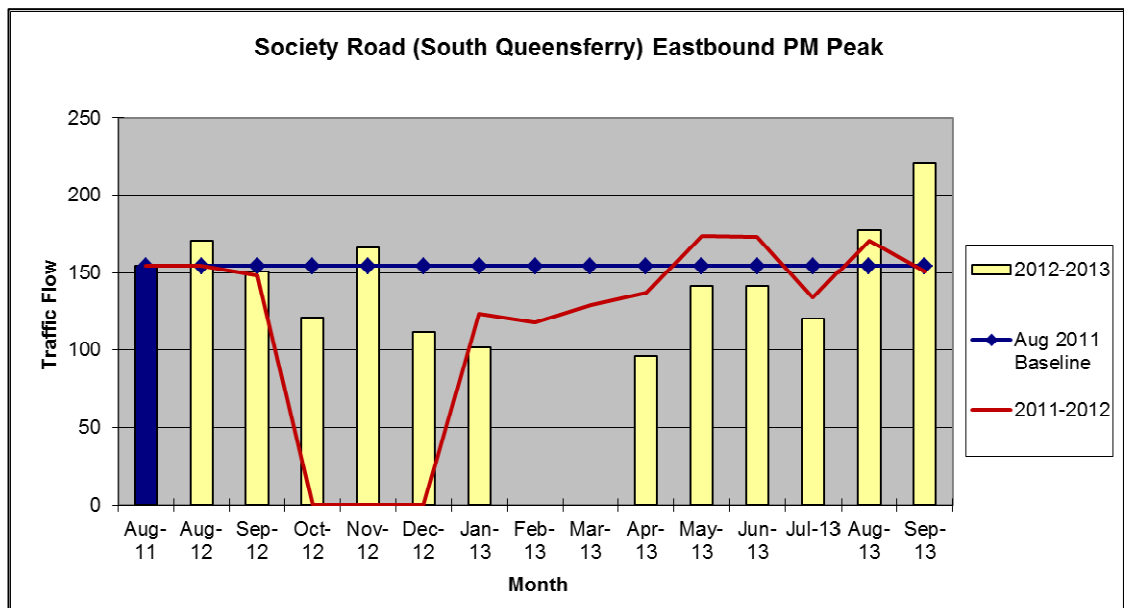


Figure 6-159 Monthly Eastbound PM Peak Flows on the Society Road (South Queensferry)

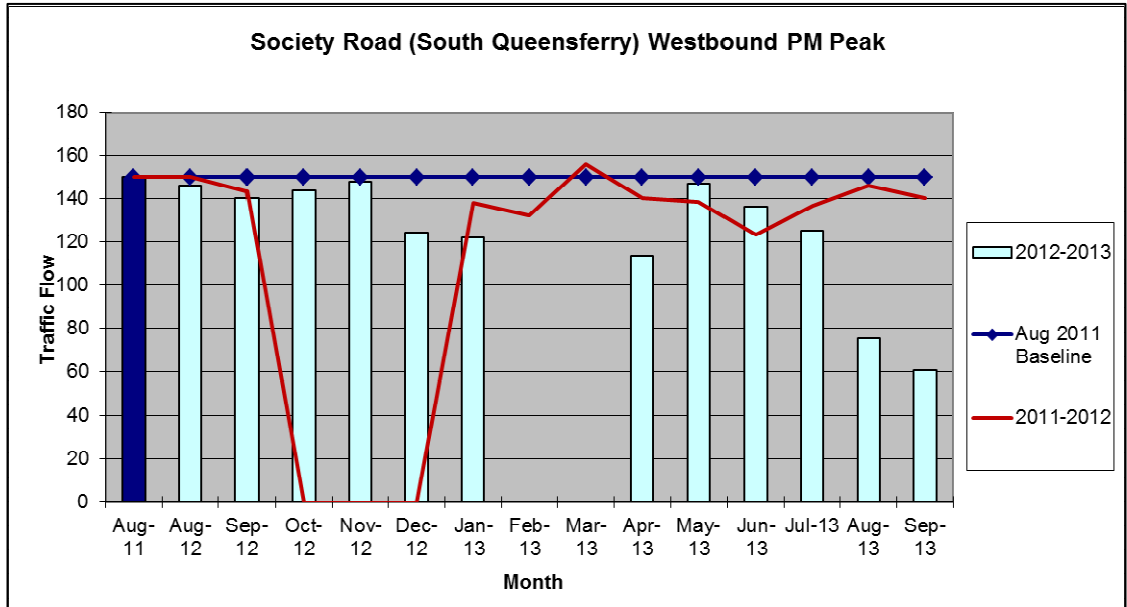


Figure 6-160 Monthly Westbound PM Peak Flows on the Society Road (South Queensferry)

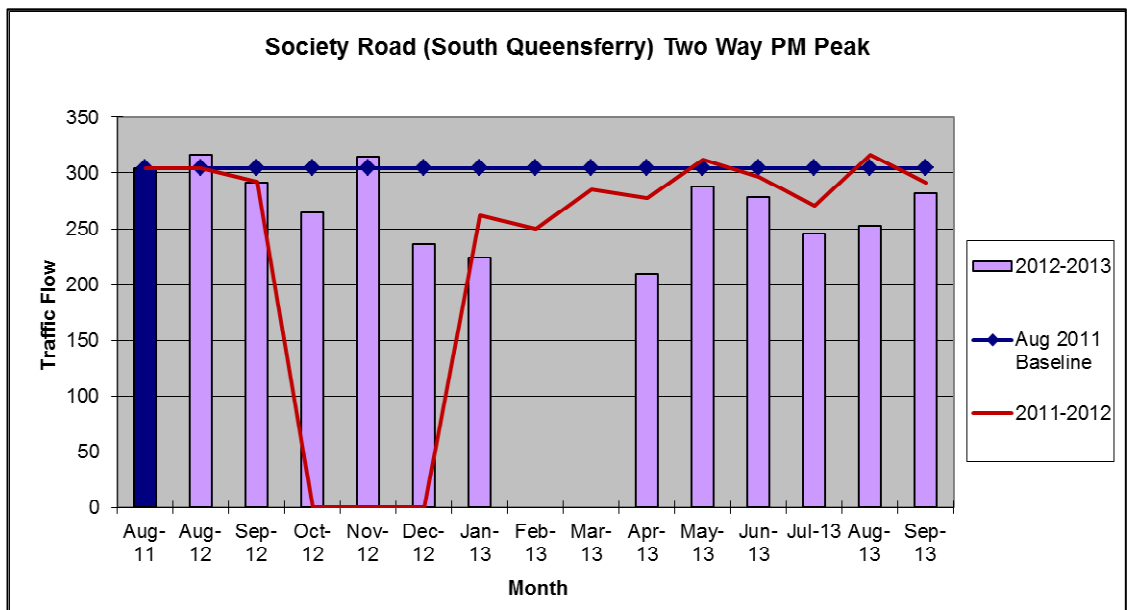


Figure 6-161 Monthly Two Way PM Peak Flows on the Society Road (South Queensferry)



### 6.9.4 Monthly Average HGV Flows

**Table 6-60 Site: JTC00596 Annual HGV Traffic Flows – August 2012 to September 2013**

Counter	Location	Date	EB	WB	Two Way
JTC00596	Society Road (South Queensferry)	Aug-11	1	1	2
		Aug-12	1	2	3
		Sep-12	0	0	0
		Oct-12	0	0	0
		Nov-12	0	0	1
		Dec-12	0	0	0
		Jan-13	0	0	0
		Feb-13	No Data	No Data	No Data
		Mar-13	No Data	No Data	No Data
		Apr-13	0	0	0
		May-13	0	0	0
		Jun-13	0	0	0
		Jul-13	0	0	1
		Aug-13	1	1	2
		Sep-13	0	0	1
		<b>Annual Average</b>	<b>0</b>	<b>0</b>	<b>1</b>

### 6.9.5 Monthly Average AM Peak HGV Flows

Table 6-61 Site: JTC00596 AM Peak HGV Traffic Flows – August 2012 to September 2013

Counter	Location	Date	EB	WB	Two Way
JTC00596	Society Road (South Queensferry)	Aug-11	0	0	1
		Aug-12	0	0	0
		Sep-12	0	0	0
		Oct-12	0	0	0
		Nov-12	0	0	0
		Dec-12	0	0	0
		Jan-13	0	0	0
		Feb-13	No Data	No Data	No Data
		Mar-13	No Data	No Data	No Data
		Apr-13	0	0	0
		May-13	0	0	0
		Jun-13	0	0	0
		Jul-13	0	0	0
		Aug-13	0	0	1
		Sep-13	0	0	0
		<b>Annual Average</b>	<b>0</b>	<b>0</b>	<b>0</b>

### 6.9.6 Monthly Average PM Peak HGV Flows

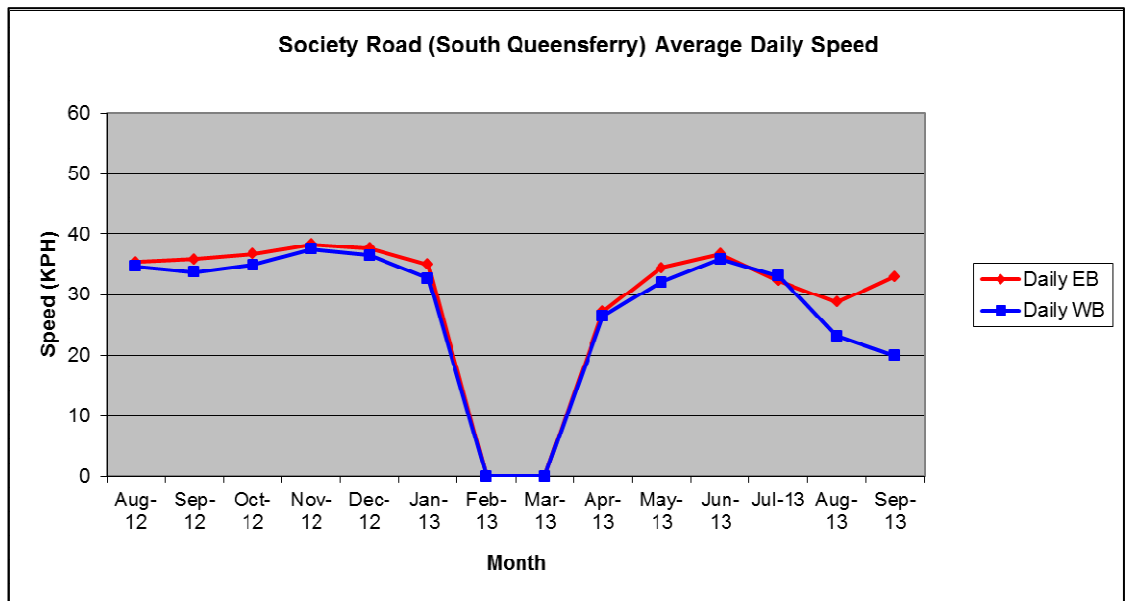
Table 6-62 Site: JTC00596 PM Peak HGV Traffic Flows – August 2012 to September 2013

Counter	Location	Date	EB	WB	Two Way
JTC00596	Society Road (South Queensferry)	Aug-11	0	0	0
		Aug-12	0	0	0
		Sep-12	0	0	0
		Oct-12	0	0	0
		Nov-12	0	0	0
		Dec-12	0	0	0
		Jan-13	0	0	0
		Feb-13	No Data	No Data	No Data
		Mar-13	No Data	No Data	No Data
		Apr-13	0	0	0
		May-13	0	0	0
		Jun-13	0	0	0
		Jul-13	0	0	0
		Aug-13	0	0	0
		Sep-13	0	0	0
		<b>Annual Average</b>	<b>0</b>	<b>0</b>	<b>0</b>

### 6.9.7 Monthly Average All Vehicles Traffic Speeds

**Table 6-63 Site: JTC00596 Average Monthly Traffic Speeds (KPH) (All Vehicles) – August 2012 to September 2013**

Counter	Location	Date	EB	WB
JTC00596	Society Road (South Queensferry)	Aug-12	35	35
		Sep-12	36	34
		Oct-12	37	35
		Nov-12	38	38
		Dec-12	38	37
		Jan-13	35	33
		Feb-13	No Data	No Data
		Mar-13	No Data	No Data
		Apr-13	27	26
		May-13	34	32
		Jun-13	37	36
		Jul-13	32	33
		Aug-13	29	23
		Sep-13	33	20



**Figure 6-162 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 2012 to September 2013

Counter	Location	Date	EB	WB	Two Way
JTC00597	Society Road (South Queensferry)	Aug-11	378	368	746
		Aug-12	403	419	822
		Sep-12	300	308	608
		Oct-12	244	244	488
		Nov-12	359	331	690
		Dec-12	No Data	No Data	No Data
		Jan-13	228	198	425
		Feb-13	222	199	420
		Mar-13	258	229	486
		Apr-13	312	290	602
		May-13	339	339	678
		Jun-13	322	321	643
		Jul-13	325	321	647
		Aug-13	324	323	648
		Sep-13	299	294	593
		<b>Annual Average</b>			<b>301</b>

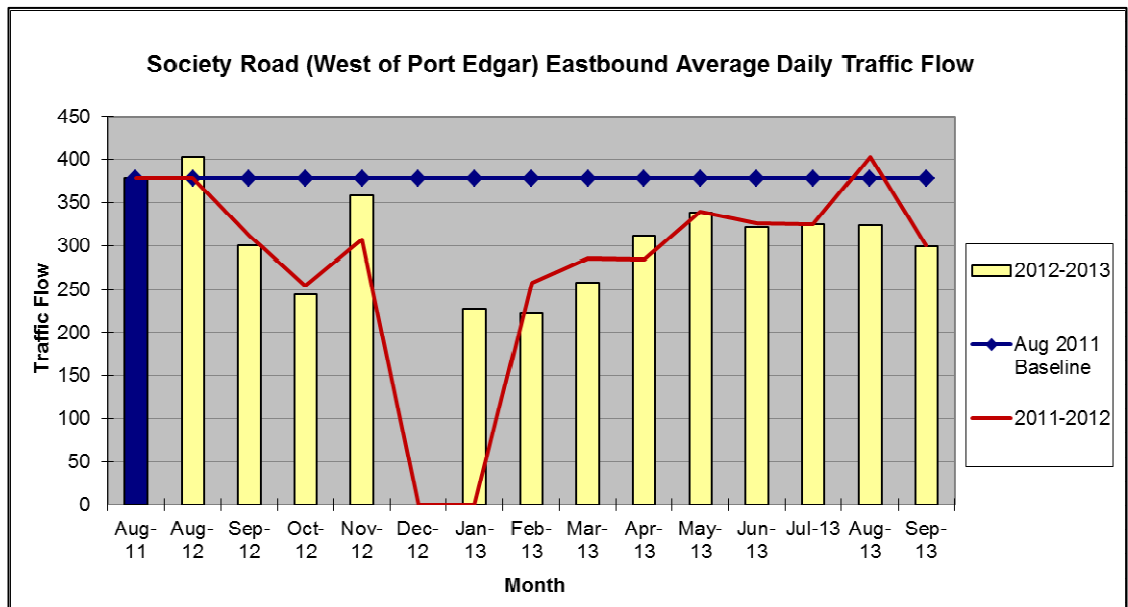


Figure 6-163 Monthly Eastbound AADTs on the Society Road (South Queensferry)

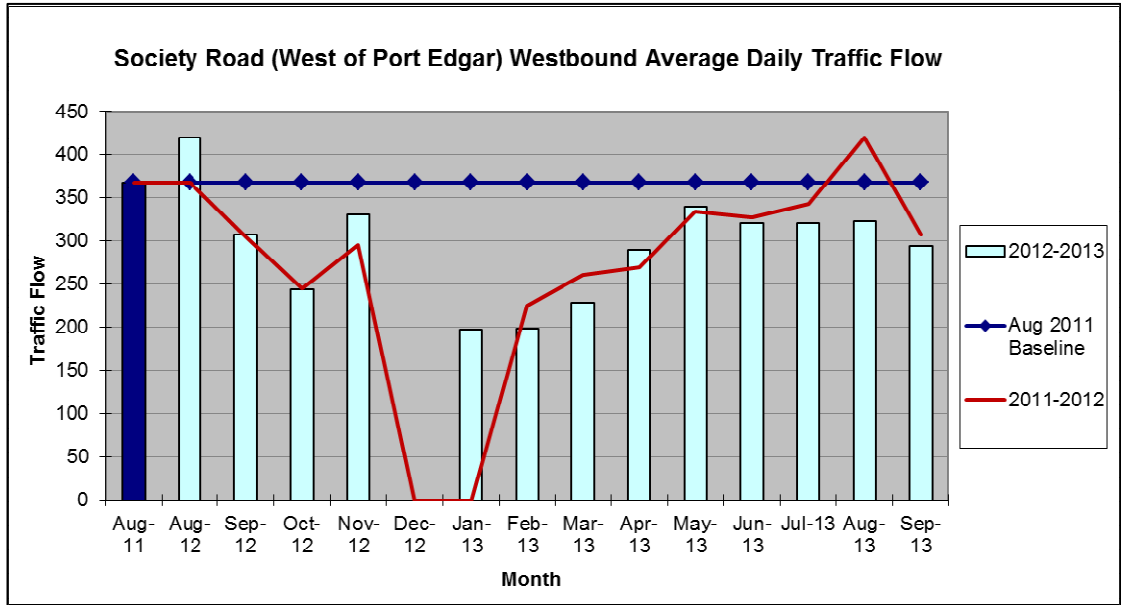


Figure 6-164 Monthly Westbound AADTs on the Society Road (South Queensferry)

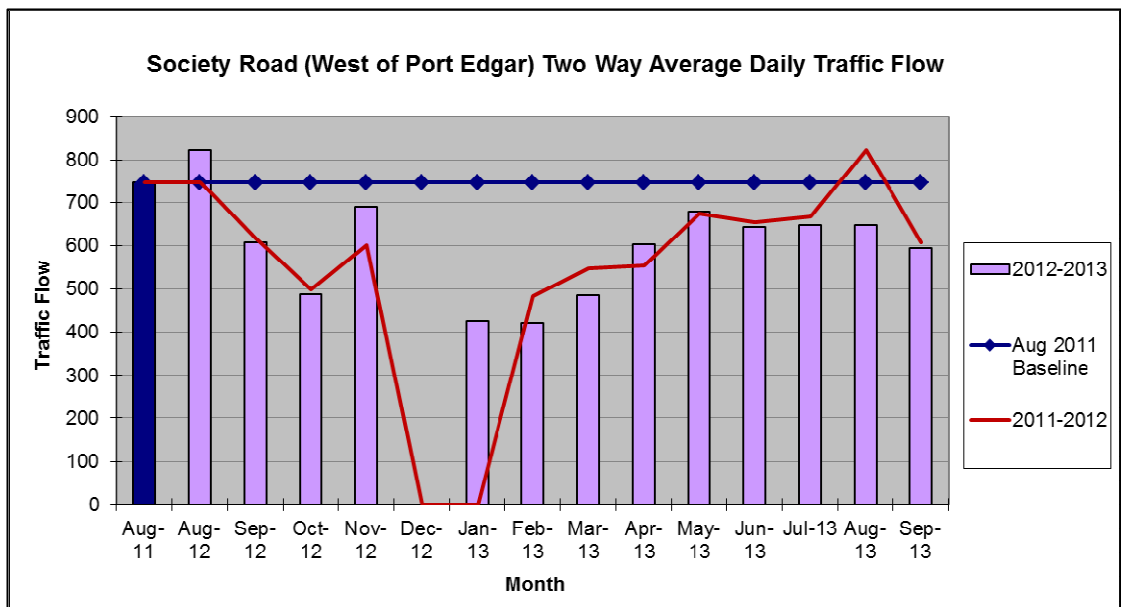


Figure 6-165 Monthly Two Way Daily Traffic Flows on the Society Road (South Queensferry)

### 6.10.2 Monthly Average AM Peak Traffic Flows

Table 6-65 Site: JTC00597 AM Peak Traffic Flows – August 2012 to September 2013

Counter	Location	Date	EB	WB	Two Way
JTC00597	Society Road (South Queensferry)	Aug-11	41	49	90
		Aug-12	40	60	100
		Sep-12	36	45	82
		Oct-12	35	37	73
		Nov-12	25	23	49
		Dec-12	No Data	No Data	No Data
		Jan-13	20	15	35
		Feb-13	27	22	49
		Mar-13	35	38	74
		Apr-13	38	41	79
		May-13	39	50	89
		Jun-13	38	43	80
		Jul-13	34	37	72
		Aug-13	37	41	78
		Sep-13	35	38	73
		<b>Annual Average</b>	<b>34</b>	<b>37</b>	<b>71</b>

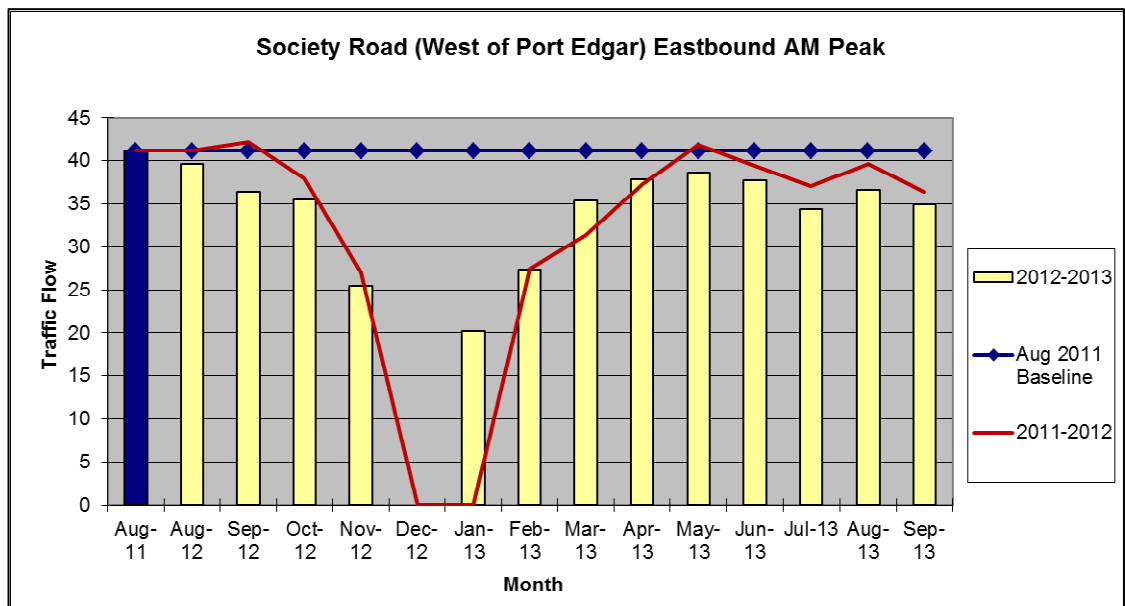


Figure 6-166 Monthly Eastbound AM Peak Flows on Society Road (South Queensferry)

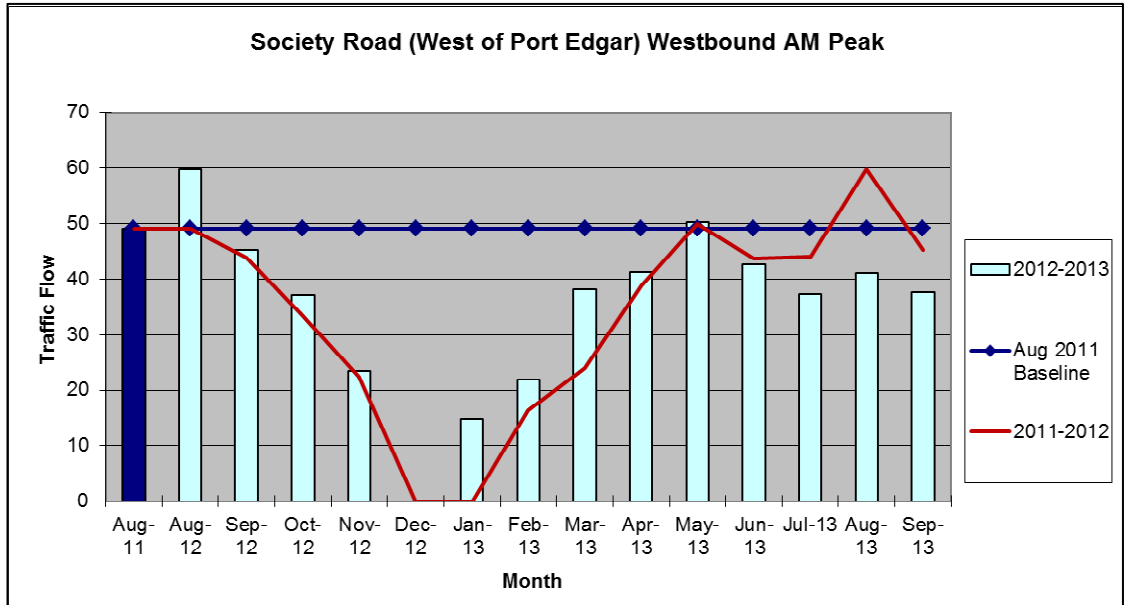


Figure 6-167 Monthly Westbound AM Peak Flows on the Society Road (South Queensferry)

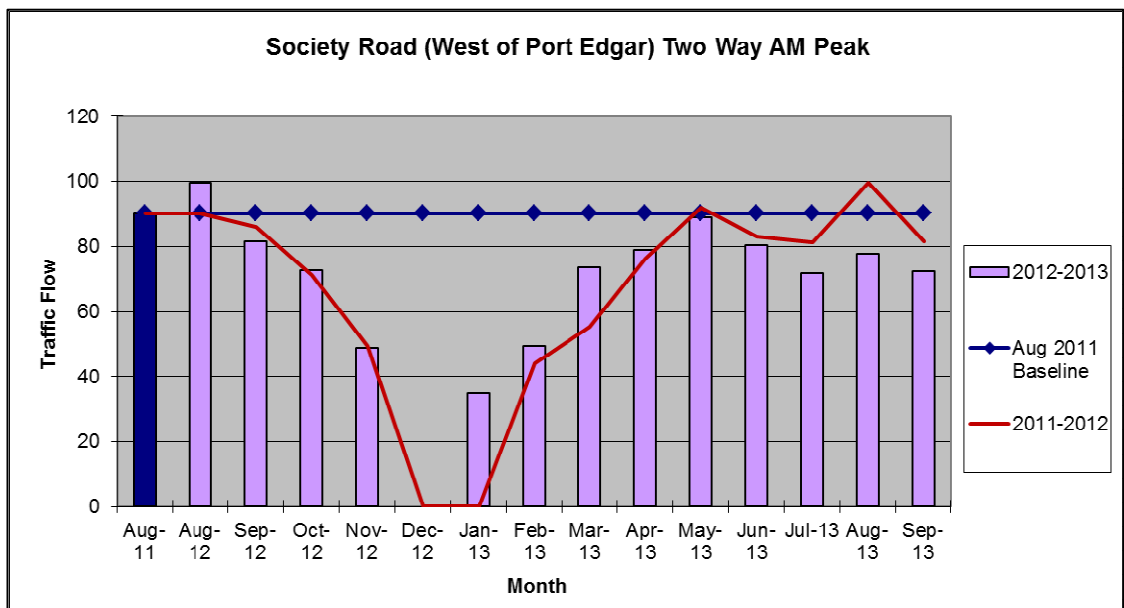


Figure 6-168 Monthly Two Way AM Peak Flows on the Society Road (South Queensferry)

### 6.10.3 Monthly Average PM Peak Traffic Flows

Table 6-66 Site: JTC00597 PM Peak Traffic Flows – August 2012 to September 2013

Counter	Location	Date	EB	WB	Two Way
JTC00597	Society Road (South Queensferry)	Aug-11	77	60	137
		Aug-12	85	69	154
		Sep-12	67	52	120
		Oct-12	51	48	99
		Nov-12	91	55	146
		Dec-12	No Data	No Data	No Data
		Jan-13	49	41	90
		Feb-13	51	40	91
		Mar-13	55	40	96
		Apr-13	76	51	127
		May-13	81	56	136
		Jun-13	76	58	134
		Jul-13	79	63	142
		Aug-13	77	57	133
		Sep-13	72	56	128
	<b>Annual Average</b>	<b>69</b>	<b>52</b>	<b>121</b>	

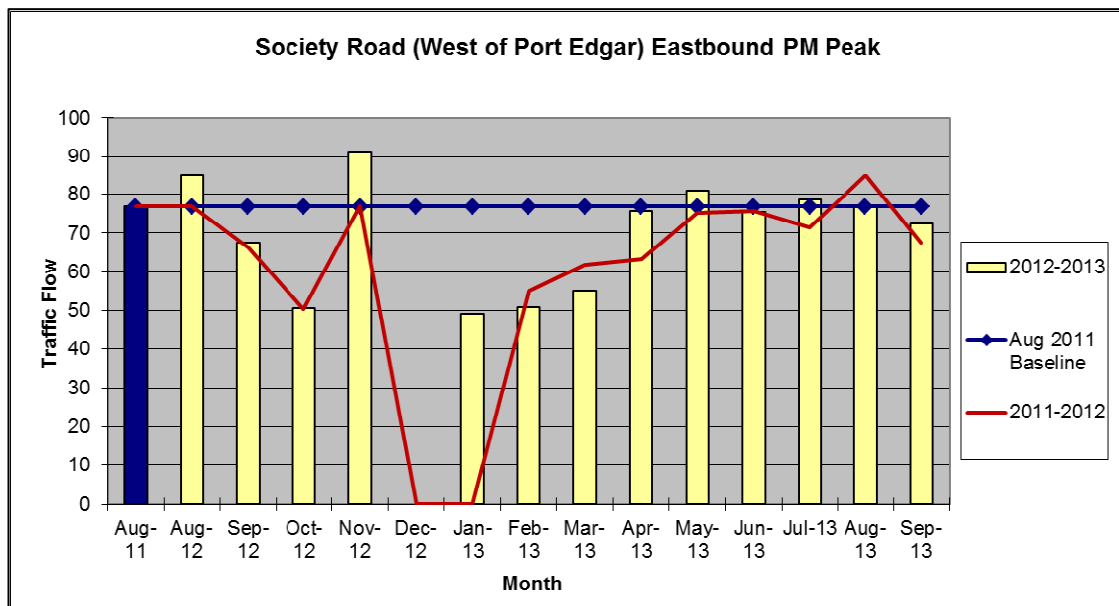


Figure 6-169 Monthly Eastbound PM Peak Flows on the Society Road (South Queensferry)



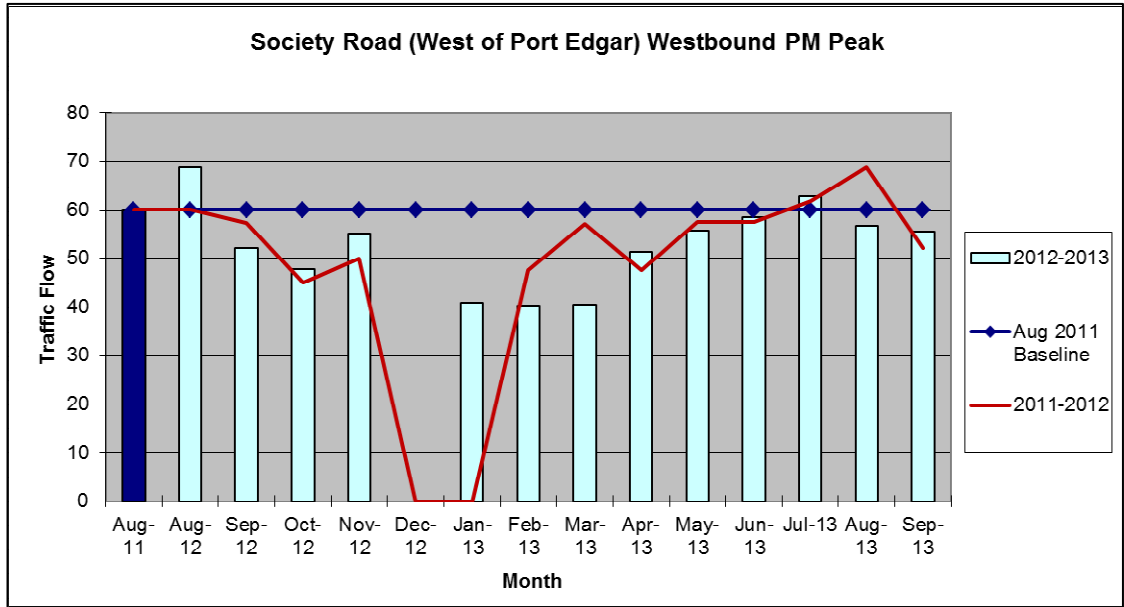


Figure 6-170 Monthly Westbound PM Peak Flows on the Society Road (South Queensferry)

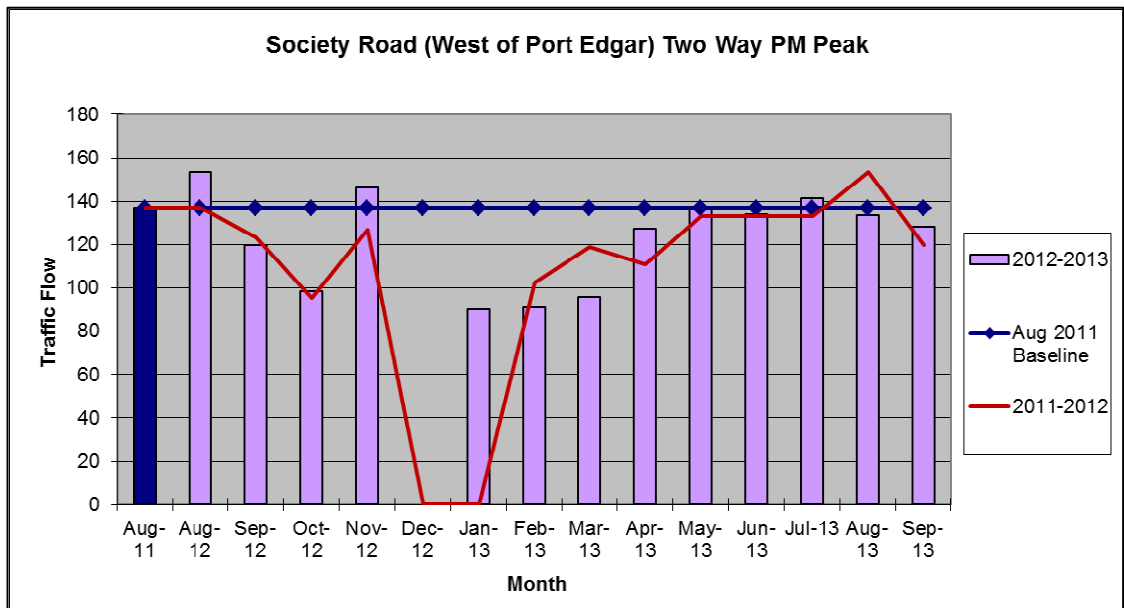


Figure 6-171 Monthly Two Way PM Peak Flows on the Society Road (South Queensferry)

### 6.10.4 Monthly Average HGV Flows

**Table 6-67 Site: JTC00597 Annual HGV Traffic Flows – August 2012 to September 2013**

Counter	Location	Date	EB	WB	Two Way
JTC00597	Society Road (South Queensferry)	Aug-11	0	1	1
		Aug-12	0	1	1
		Sep-12	0	0	0
		Oct-12	0	0	0
		Nov-12	0	0	0
		Dec-12	No Data	No Data	No Data
		Jan-13	0	0	0
		Feb-13	0	0	1
		Mar-13	0	0	0
		Apr-13	0	0	0
		May-13	0	0	1
		Jun-13	0	0	0
		Jul-13	0	0	0
		Aug-13	0	0	0
		Sep-13	0	0	1
		<b>Annual Average</b>	<b>0</b>	<b>0</b>	<b>0</b>

### 6.10.5 Monthly Average AM Peak HGV Flows

**Table 6-68 Site: JTC00597 AM Peak HGV Traffic Flows – August 2012 to September 2013**

Counter	Location	Date	EB	WB	Two Way
JTC00597	Society Road (South Queensferry)	Aug-11	0	0	0
		Aug-12	0	0	0
		Sep-12	0	0	0
		Oct-12	0	0	0
		Nov-12	0	0	0
		Dec-12	No Data	No Data	No Data
		Jan-13	0	0	0
		Feb-13	0	0	0
		Mar-13	0	0	0
		Apr-13	0	0	0
		May-13	0	0	0
		Jun-13	0	0	0
		Jul-13	0	0	0
		Aug-13	0	0	0
		Sep-13	0	0	0
		<b>Annual Average</b>	<b>0</b>	<b>0</b>	<b>0</b>

### 6.10.6 Monthly Average PM Peak HGV Flows

**Table 6-69 Site: JTC00597 PM Peak HGV Traffic Flows – August 2012 to September 2013**

Counter	Location	Date	EB	WB	Two Way
JTC00597	Society Road (South Queensferry)	Aug-11	0	0	0
		Aug-12	0	0	0
		Sep-12	0	0	0
		Oct-12	0	0	0
		Nov-12	0	0	0
		Dec-12	No Data	No Data	No Data
		Jan-13	0	0	0
		Feb-13	0	0	0
		Mar-13	0	0	0
		Apr-13	0	0	0
		May-13	0	0	0
		Jun-13	0	0	0
		Jul-13	0	0	0
		Aug-13	0	0	0
		Sep-13	0	0	0
	<b>Annual Average</b>	<b>0</b>	<b>0</b>	<b>0</b>	

### 6.10.7 Monthly Average All Vehicles Traffic Speeds

**Table 6-70 Site: JTC00597 Average Monthly Traffic Speeds (KPH) (All Vehicles) – August 2012 to September 2013**

Counter	Location	Date	EB	WB
JTC00597	Society Road (South Queensferry)	Aug-12	34	36
		Sep-12	35	38
		Oct-12	35	38
		Nov-12	34	37
		Dec-12	No Data	No Data
		Jan-13	No Data	No Data
		Feb-13	33	36
		Mar-13	35	38
		Apr-13	36	38
		May-13	36	39
		Jun-13	36	39
		Jul-13	35	38
		Aug-13	34	38
		Sep-13	34	38

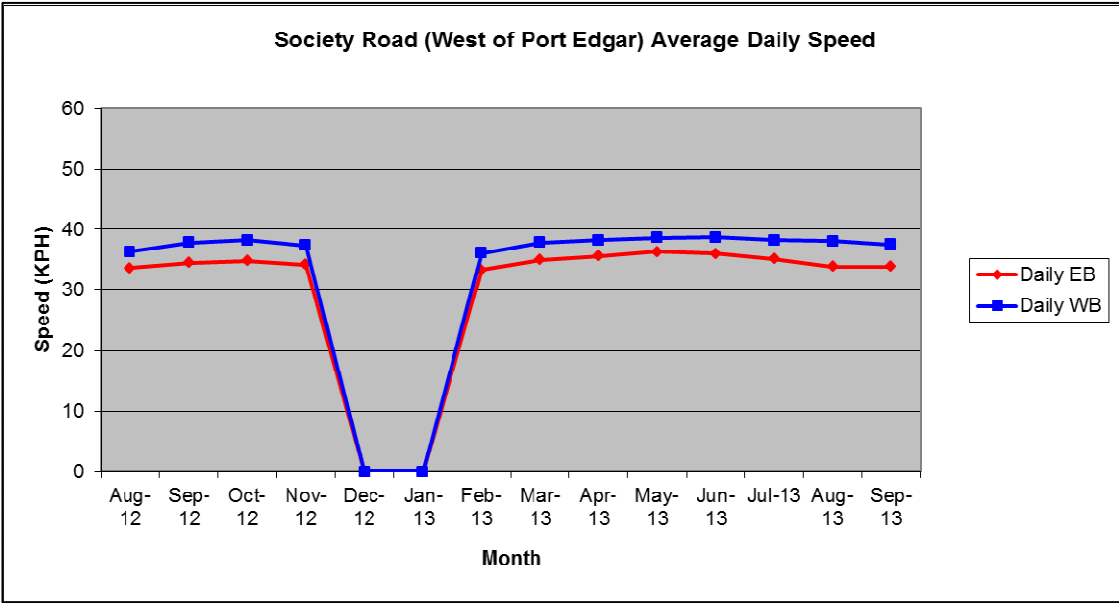


Figure 6-172 Average Monthly Traffic Speeds (KPH) on the Society Road (South Queensferry)

# 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 such occurrences as 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 and local routes are shown in Figure 7-1 and Figure 7-2 respectively.

The strategic journey time routes are:

1. M9 Junction 6 to M90 Halbeath Junction via Kincardine Bridge; and
2. M9 Junction 6 to M90 Halbeath Junction via FRC / FRB.

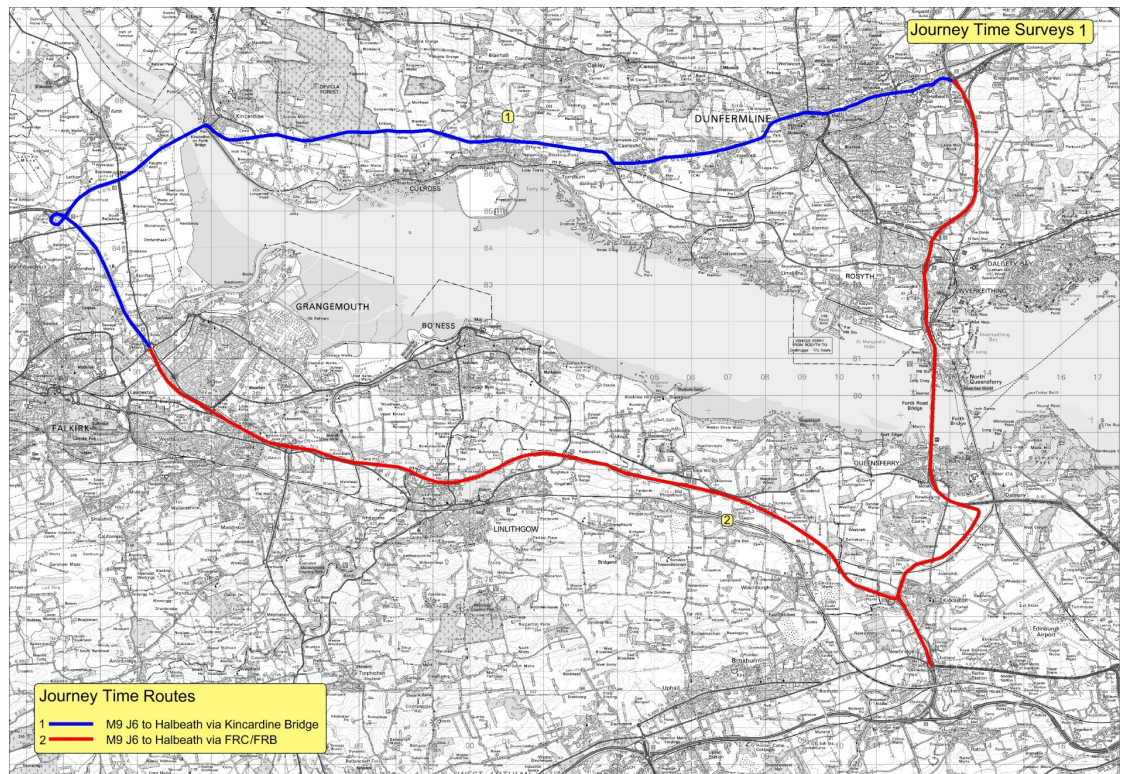


Figure 7-1 Strategic Journey Time Routes

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.

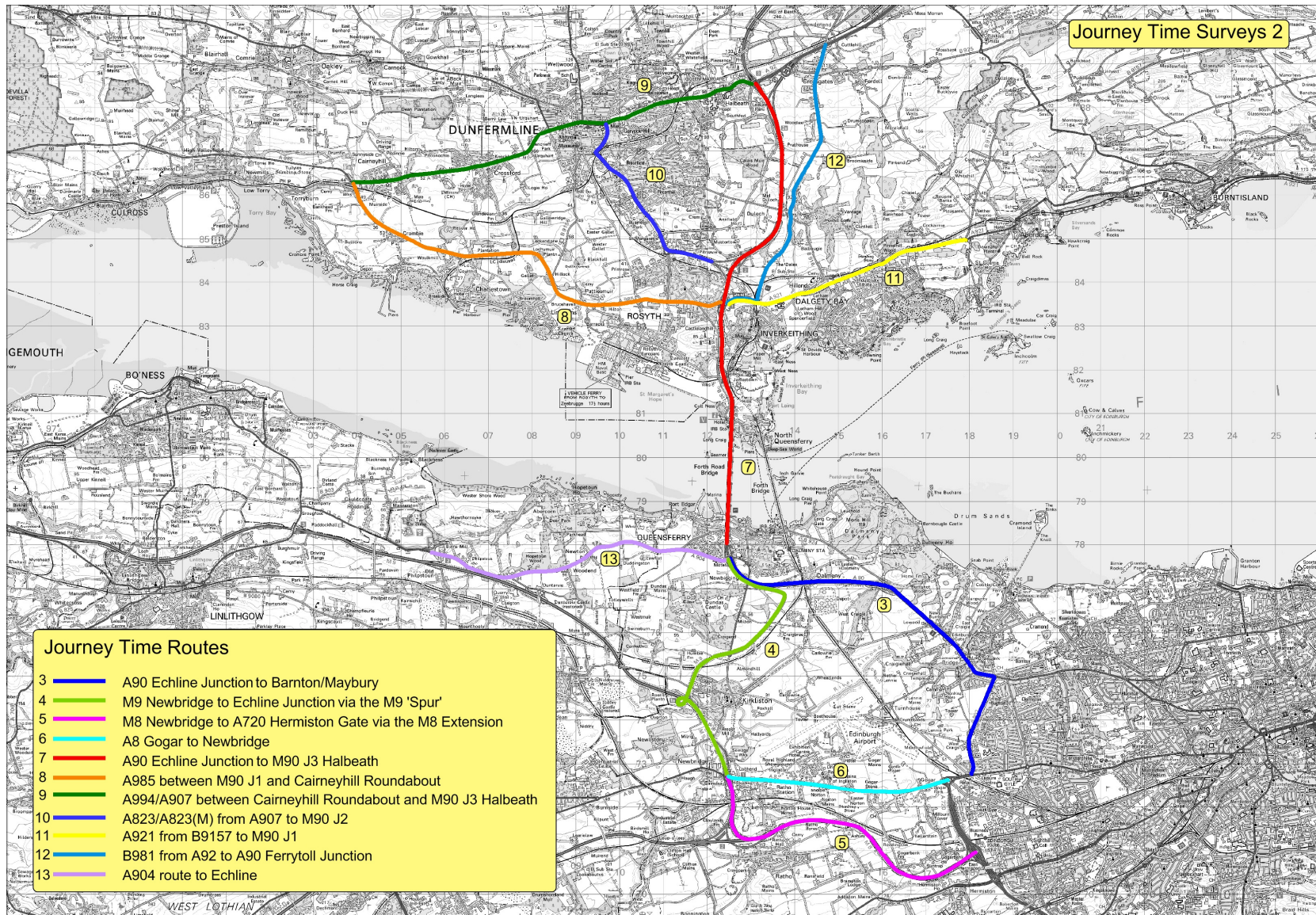


Figure 7-2 Local Journey Time Routes

Each local route was surveyed at least once per month in each direction for 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 for the purposes of recording typical weekday journey times. The monitoring team ensured that the journey times, recorded over the course of a month, were spread across each of these day types to provide a representative and robust survey sample of weekday periods.

The following items were presented for each route, as 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.



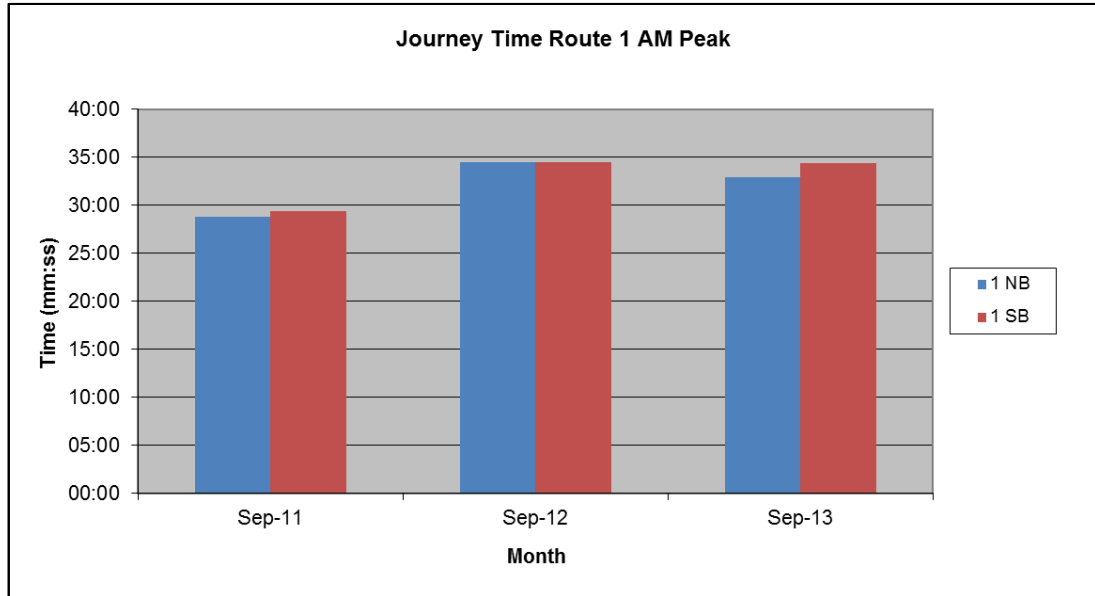
## 7.2 Route 1 A90 M9 Junction 6 to M90 Halbeath Junction via Kincardine Bridge



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-12	2	30.2	00:34:27	4	29.1	00:34:30
	Oct-12	Not Surveyed					
	Nov-12	Not Surveyed					
	Dec-12	Not Surveyed					
	Jan-13	Not Surveyed					
	Feb-13	Not Surveyed					
	Mar-13	Not Surveyed					
	Apr-13	Not Surveyed					
	May-13	Not Surveyed					
	Jun-13	Not Surveyed					
	Jul-13	Not Surveyed					
	Aug-13	Not Surveyed					
	Sep-13	4	30.2	00:32:55	2	29.2	00:34:25



**Figure 7-4 Route 1 A90 M9 Junction 6 to M90 Halbeath Junction via Kincardine Bridge AM Peak**

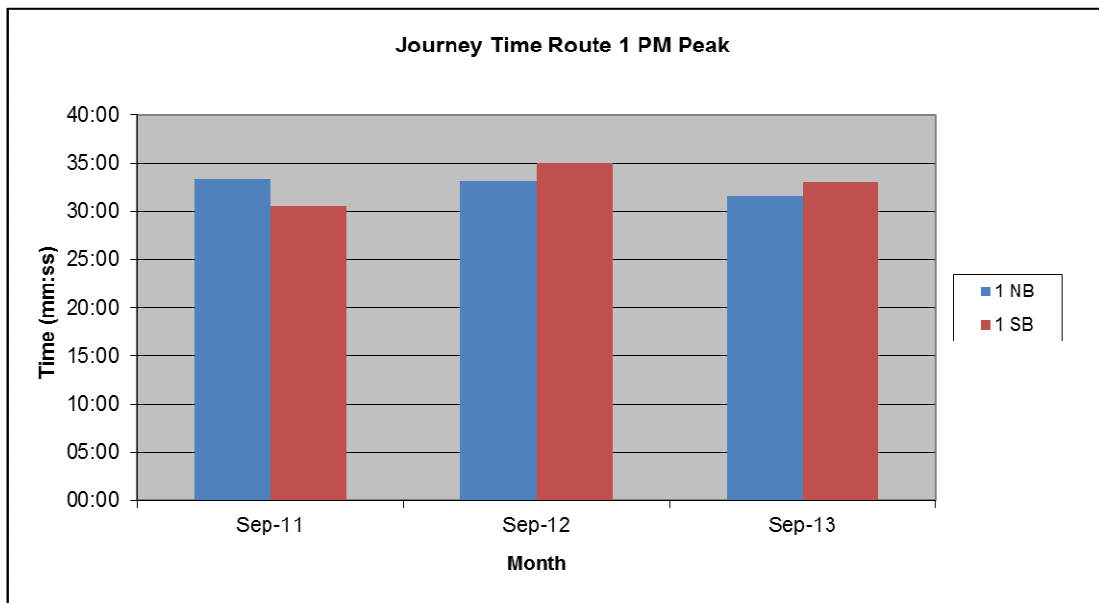
As shown in Figure 7-4, journey times decreased by approximately two minutes in the northbound direction, from September 2012 to September 2013 during the AM Peak. In the southbound direction, the journey time increased by approximately one minute over the same period. It should also be noted that journey times recorded in both directions in September 2013 were longer than those recorded in September 2011.

Journey Time Route 9 covers the northern section of this route between the A944/A985 Roundabout and Halbeath Junction. There is a relatively high variation in journey times on Route 9, particularly in the eastbound direction (northbound on Route 1), which is likely to have been caused by congestion and queuing at junctions in Dunfermline and within surrounding villages.

The A985 is a single carriageway rural road and as such, it can be difficult to overtake slow moving vehicles on the route. This includes the number of HGVs which use the A985 between the A985/A944 Roundabout and the Kincardine Bridge, which can result in platooning along the section. There were road works on the southern section of the route during September 2012, which resulted in higher journey times being recorded, and in September 2013, which caused delay at the start of the run in the northbound direction.

**Table 7-2 Route 1 A90 M9 Junction 6 to M90 Halbeath Junction via Kincardine Bridge PM Peak**

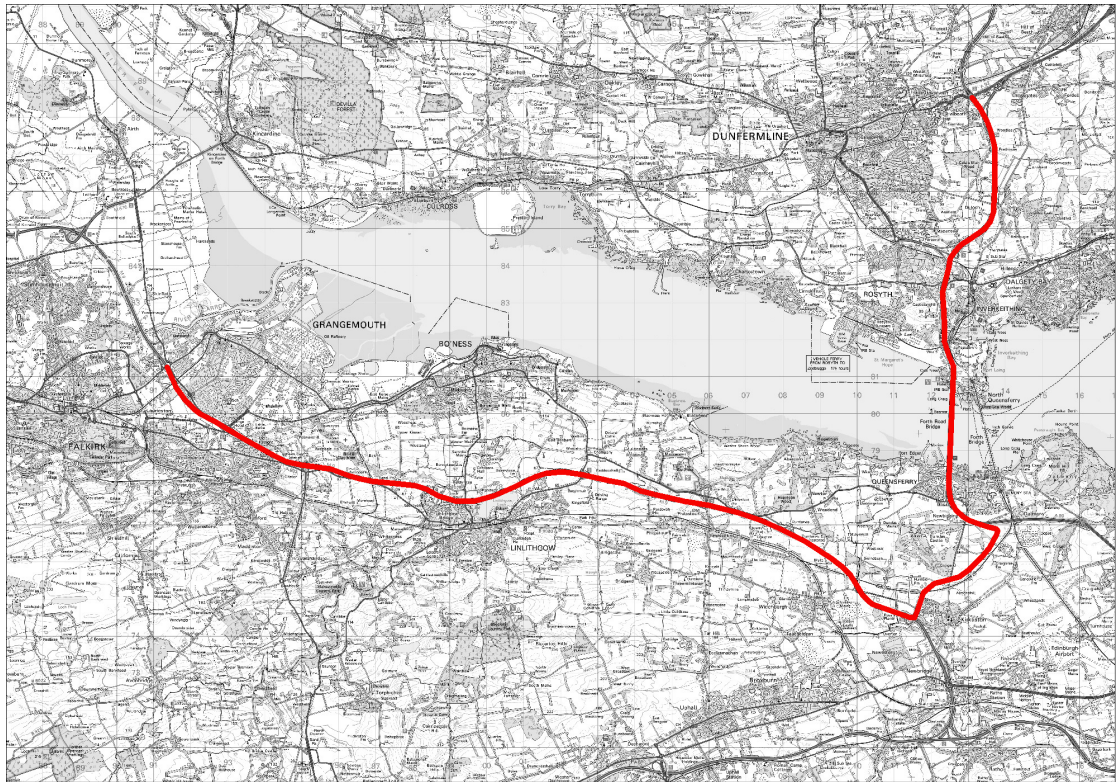
Route Description	Date	Northbound			Southbound		
		No. of Runs	Ave. Distance	Ave. Time	No. of Runs	Ave. Distance	Ave. Time
Route 1 - M9 Junction 6 to M90 Halbeath Junction via Kincardine Bridge	Sep-12	4	30.4	00:33:07	4	29.2	00:35:01
	Oct-12	Not Surveyed					
	Nov-12	Not Surveyed					
	Dec-12	Not Surveyed					
	Jan-13	Not Surveyed					
	Feb-13	Not Surveyed					
	Mar-13	Not Surveyed					
	Apr-13	Not Surveyed					
	May-13	Not Surveyed					
	Jun-13	Not Surveyed					
	Jul-13	Not Surveyed					
	Aug-13	Not Surveyed					
	Sep-13	3	30.2	00:31:31	5	29.2	00:33:05



**Figure 7-5 Route 1 A90 M9 Junction 6 to M90 Halbeath Junction via Kincardine Bridge PM Peak**

As illustrated in Figure 7-5, the journey time in the northbound direction decreased by around a minute between September 2012 and September 2013 during the PM Peak. In the southbound direction, journey times decreased from around 35 minutes in September 2012, to approximately 33.5 minutes in September 2013. In the northbound direction, journey times in September 2013 were slightly lower than those recorded in September 2011, whereas in the southbound direction, longer journey times were experienced in September 2013 compared to September 2011.

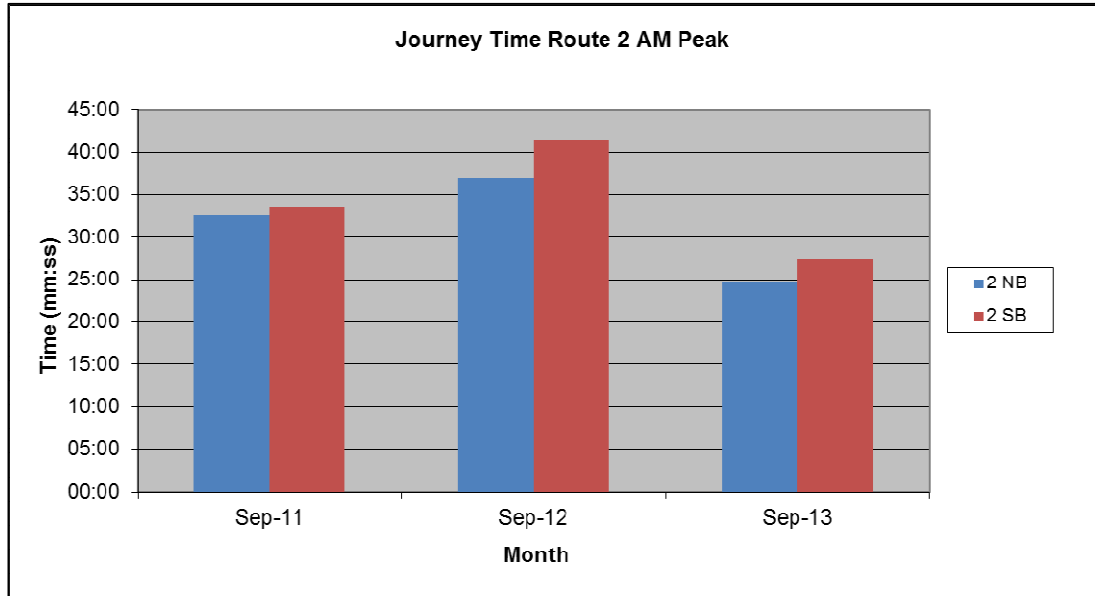
**7.3 Route 2 M9 Junction 6 to M90 Halbeath Junction via FRC / FRB**



**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-12	2	44.4	00:36:55	3	44.0	00:41:19
	Oct-12	Not Surveyed					
	Nov-12	Not Surveyed					
	Dec-12	Not Surveyed					
	Jan-13	Not Surveyed					
	Feb-13	Not Surveyed					
	Mar-13	Not Surveyed					
	Apr-13	Not Surveyed					
	May-13	Not Surveyed					
	Jun-13	Not Surveyed					
	Jul-13	Not Surveyed					
	Aug-13	Not Surveyed					
	Sep-13	2	39.3	00:24:51	3	39.7	00:27:21

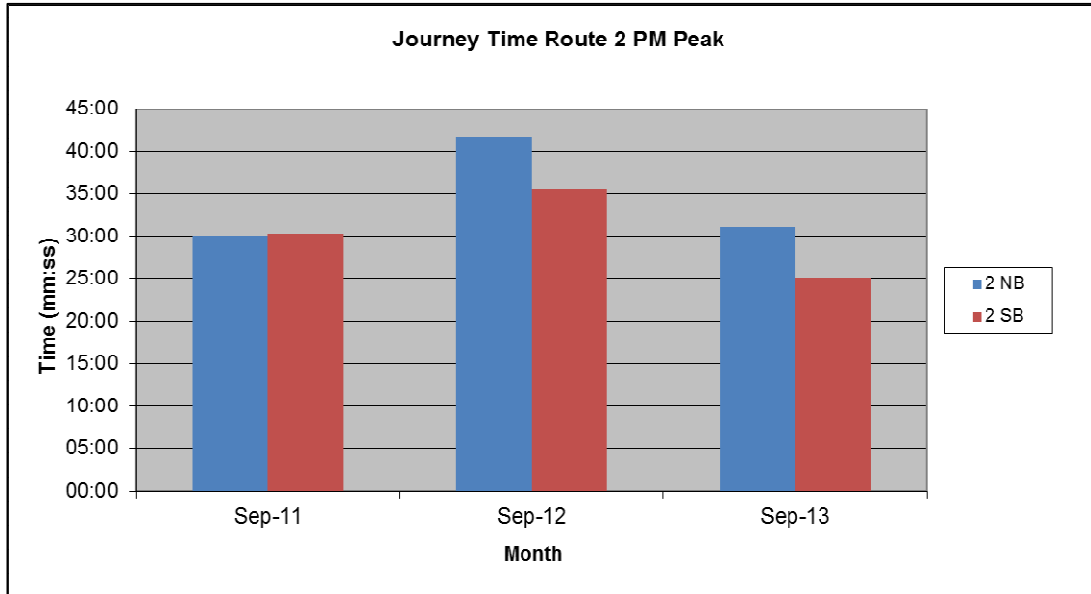


**Figure 7-7 Route 2 M9 Junction 6 to M90 Halbeath Junction via FRC / FRB AM Peak**

In the AM Peak, the journey time decreased by approximately 13 minutes and 14 minutes in the northbound and southbound directions respectively, from September 2012 to September 2013, as shown in Figure 7-7. The significantly higher journey times in September 2012 which is thought to be primarily due to the temporary traffic management scheme in place to facilitate the installation of Fife ITS on the M90 to the north of the FRB. The changes made to network operation through the implementation of the M9 Junction 1A contract, including the implementation of ITS and increased lane provision on the M9 between M9 Junction 1A and the southbound diverge slip road to Newbridge Roundabout, appear to be providing journey time benefits for general traffic. The pre-construction (September 2011) to post construction journey times (September 2013) on strategic Route 2 are reduced by approximately 6-7 minutes in both directions.

**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-12	3	44.6	00:41:51	2	44.0	00:35:30
	Oct-12	Not Surveyed					
	Nov-12	Not Surveyed					
	Dec-12	Not Surveyed					
	Jan-13	Not Surveyed					
	Feb-13	Not Surveyed					
	Mar-13	Not Surveyed					
	Apr-13	Not Surveyed					
	May-13	Not Surveyed					
	Jun-13	Not Surveyed					
	Jul-13	Not Surveyed					
	Aug-13	Not Surveyed					
	Sep-13	3	38.2	00:31:11	2	38.1	00:25:05



**Figure 7-8 Route 2 M9 Junction 6 to M90 Halbeath Junction via FRC / FRB PM Peak**

As shown in Figure 7-8, the journey time decreased by approximately ten minutes in both directions between September 2012 and September 2013 during the PM Peak, which is thought to be primarily due to the impact of Fife ITS installation on journey times in September 2012. Pre-construction to post construction Journey times in the southbound direction decreased by approximately 5 minutes, in line with the AM Peak journey times. In the Northbound direction, average journey times were slightly higher post construction compared to pre-construction. This can possibly be explained by a breakdown on the FRB during one of the surveys, causing significant delays to be experienced.

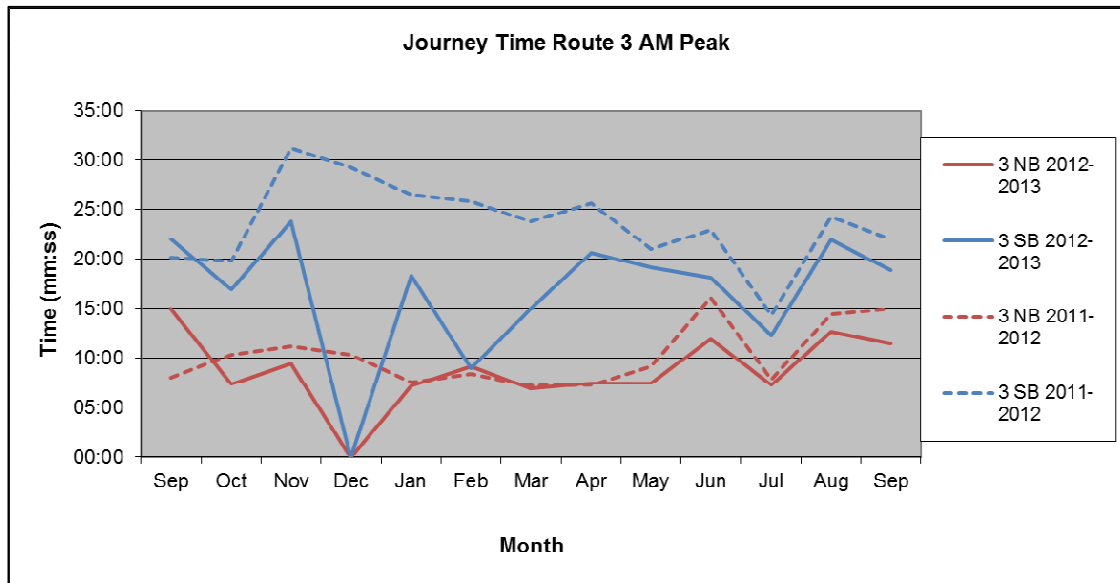
### 7.4 Route 3 A90 Echline Junction to Maybury Junction



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-12	1	8.8	00:15:01	1	9.0	00:22:04
	Oct-12	1	8.8	00:07:26	1	9.0	00:16:54
	Nov-12	1	8.8	00:09:24	1	9.0	00:23:47
	Dec-12	Not Surveyed					
	Jan-13	1	8.8	00:07:14	1	9.0	00:18:20
	Feb-13	1	8.8	00:09:12	1	9.0	00:08:57
	Mar-13	1	8.8	00:06:55	1	9.0	00:15:00
	Apr-13	1	8.8	00:07:27	1	9.0	00:20:37
	May-13	1	8.8	00:07:28	1	9.0	00:19:10
	Jun-13	1	8.8	00:11:57	1	9.0	00:18:08
	Jul-13	1	8.8	00:07:17	1	9.0	00:12:19
Aug-13	1	8.8	00:12:38	1	9.0	00:21:55	
Sep-13	1	8.8	00:11:28	1	9.0	00:18:50	



**Figure 7-10 Route 3 A90 Echline Junction to Maybury Junction AM Peak**

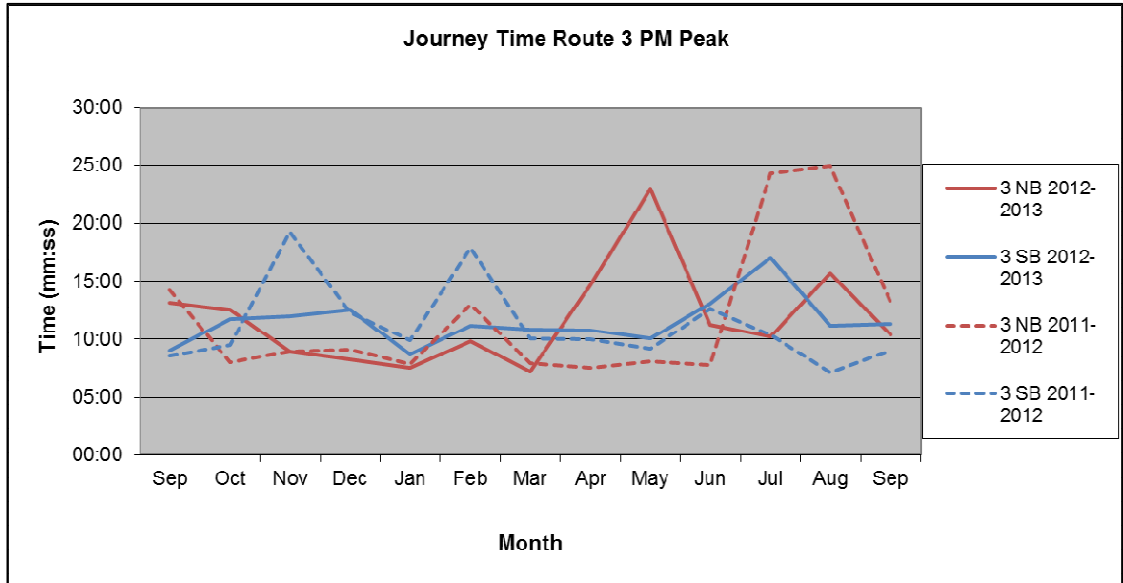
As shown in Figure 7-10, there was a high degree of variation in journey times in both directions during the AM Peak in the 2012-2013 dataset, particularly in the southbound direction, with times ranging from around nine minutes to just under 24 minutes, due to heavy traffic on the A90 leading into Barnton in November 2012. Relatively high times were also recorded in September 2012, due to queuing on the approach to Barnton and Gogar, in April 2013, due to congestion on the A90, and in August 2013, due to congestion into Crammond, Barnton and Maybury.

In the northbound direction, journey times ranged from just under seven minutes in March 2013 to 15 minutes in September 2012. This range is broadly similar to those experienced in 2011-2012, whereas in the southbound direction the journey times were generally higher in 2011-2012 compared to 2012-2013.

**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-12	1	8.8	00:13:08	1	9.0	00:09:04
	Oct-12	1	8.8	00:12:30	1	9.0	00:11:43
	Nov-12	1	9.0	00:08:56	1	8.8	00:11:56
	Dec-12	1	8.8	00:08:16	1	9.0	00:12:32
	Jan-13	1	8.9	00:07:34	1	9.0	00:08:44
	Feb-13	1	8.8	00:09:50	1	9.0	00:11:12
	Mar-13	1	8.8	00:07:15	1	9.0	00:10:51
	Apr-13	1	8.8	00:14:46	1	9.0	00:10:45
	May-13	1	8.9	00:22:58	1	9.0	00:10:06
	Jun-13	1	8.8	00:11:17	1	8.9	00:13:07
	Jul-13	1	8.8	00:10:15	1	9.0	00:17:01
	Aug-13	1	8.9	00:15:39	1	9.0	00:11:11
Sep-13	1	8.9	00:10:25	1	9.0	00:11:21	





**Figure 7-11 Route 3 A90 Echline Junction to Maybury Junction PM Peak**

As shown in Figure 7-11, during the PM Peak within the 2012-2013 dataset, journey times ranged from approximately seven minutes to almost 23 minutes in the northbound direction, due to congestion on the M90. In the southbound direction journey times varied from approximately nine minutes to 17 minutes, due to congestion at Barnton and Maybury.

Journey times recorded in July and August 2012 were particularly high in the northbound direction, due to extensive queuing on the A90 on the approach to the merge with the M9 Spur. The increase in the southbound journey times during November and February 2012 was 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

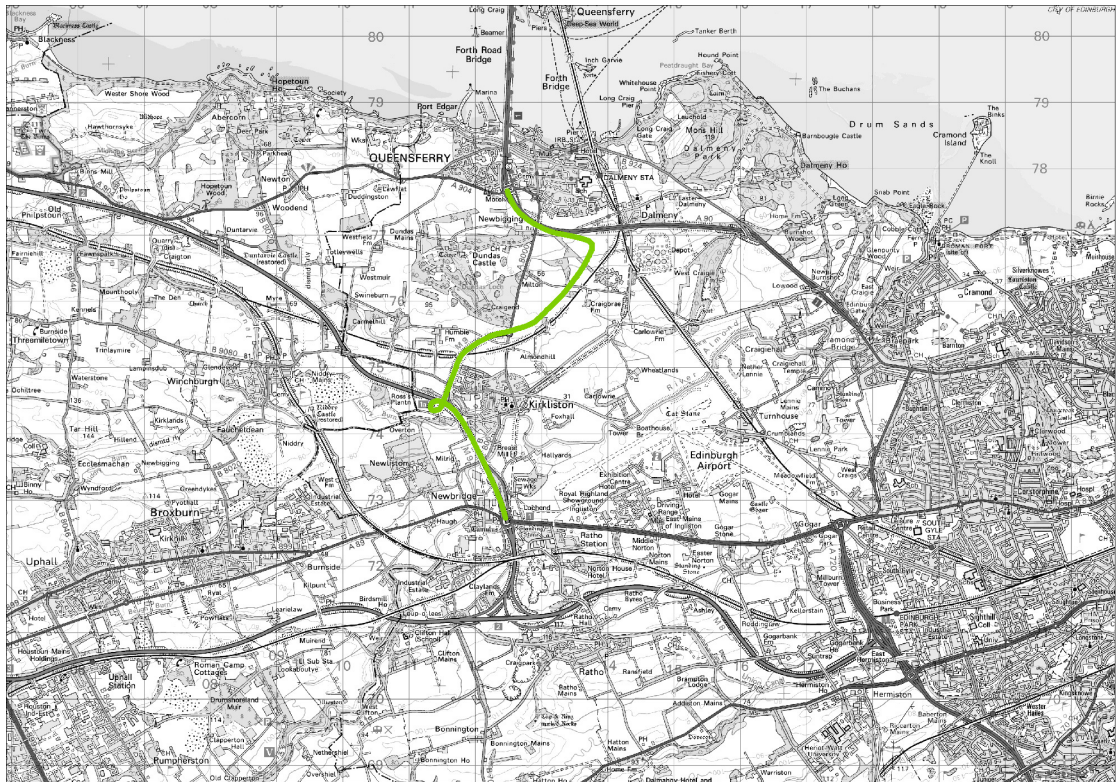
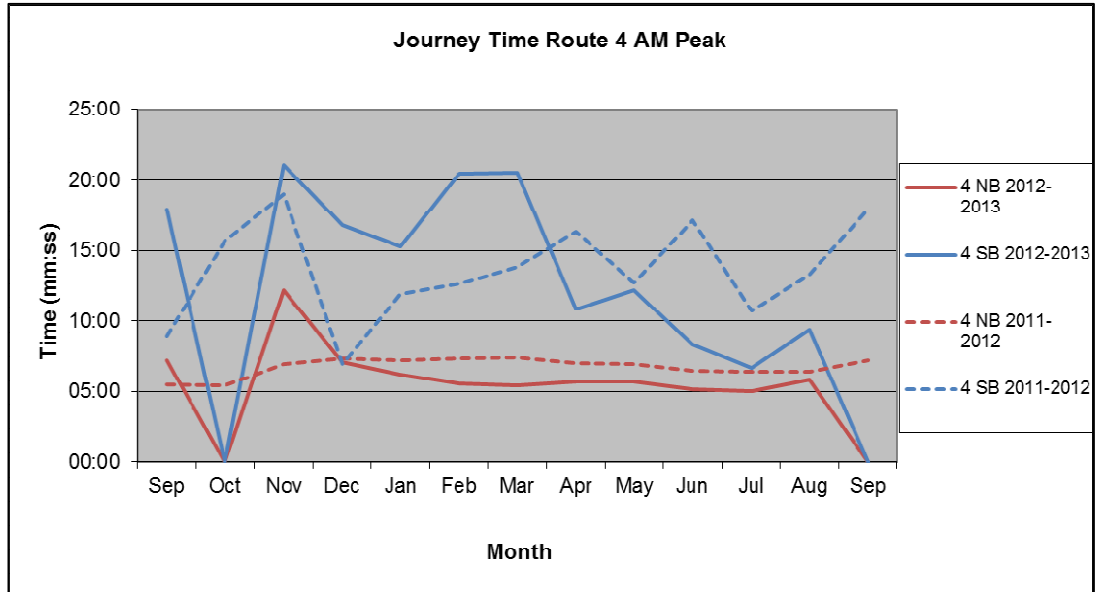


Figure 7-12 Route 4 M9 Newbridge Junction to Echline Junction via the M9 Spur

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-12	2	7.5	00:07:14	4	6.9	00:17:56
	Oct-12	Not Surveyed					
	Nov-12	1	7.4	00:12:11	1	6.9	00:21:03
	Dec-12	1	7.5	00:07:06	1	6.9	00:16:46
	Jan-13	1	7.4	00:06:14	1	6.9	00:15:16
	Feb-13	1	7.4	00:05:34	1	6.9	00:20:24
	Mar-13	1	7.4	00:05:27	1	6.9	00:20:28
	Apr-13	1	7.4	00:05:41	1	6.9	00:10:49
	May-13	1	7.5	00:05:40	1	6.9	00:12:11
	Jun-13	1	7.4	00:05:08	1	6.9	00:08:20
	Jul-13	1	7.5	00:05:03	1	6.9	00:06:42
	Aug-13	1	7.5	00:05:50	1	6.9	00:09:24
Sep-13	Not Surveyed						



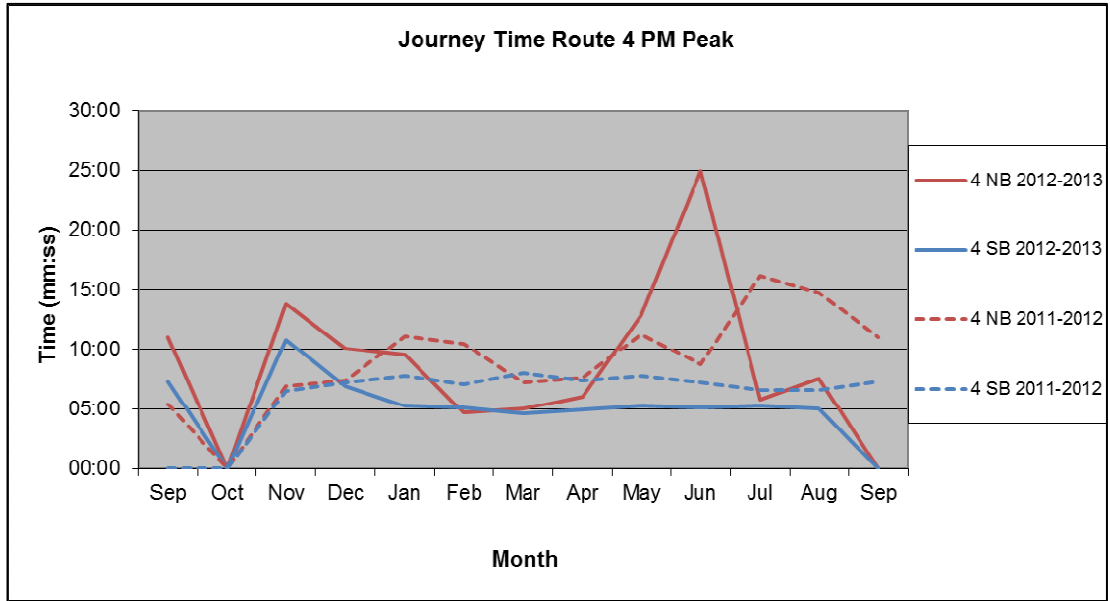
**Figure 7-13 Route 4 M9 Newbridge Junction to Echline Junction via the M9 Spur AM Peak**

From review of Figure 7-13, the southbound journey times were higher and generally less consistent compared to the northbound journey times during the AM Peak. The journey time exceeded 20 minutes in the southbound direction for a variety of reasons including queues on the M9 Spur and Newbridge off-slip in November 2012, queuing on the Newbridge Roundabout in February 2013 and queuing and very slow traffic at Newbridge Roundabout in March 2013.

The journey times were relatively consistent in the northbound direction, with times ranging between five and seven minutes, with the exception of November 2012 which was caused by queues from Newbridge to the M9 Spur. Journey times in 2011-2012 were equally as consistent and inconsistent in the northbound and southbound directions respectively.

**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-12	3	7.5	00:11:04	3	6.9	00:07:19
	Oct-12	Not Surveyed					
	Nov-12	1	7.5	00:13:48	1	6.9	00:10:49
	Dec-12	1	7.5	00:10:06	1	6.9	00:06:56
	Jan-13	1	7.4	00:09:30	1	6.9	00:05:15
	Feb-13	1	7.5	00:04:44	1	6.9	00:05:06
	Mar-13	1	7.5	00:05:02	1	6.9	00:04:38
	Apr-13	1	7.4	00:06:04	1	6.9	00:04:55
	May-13	1	7.5	00:12:51	1	6.9	00:05:17
	Jun-13	1	7.5	00:24:57	1	6.9	00:05:08
	Jul-13	1	7.5	00:05:50	1	6.9	00:05:13
	Aug-13	1	7.4	00:07:32	1	6.9	00:05:00
Sep-13	Not Surveyed						



**Figure 7-14 Route 4 M9 Newbridge Junction to Echline Junction via the M9 Spur PM Peak**

As shown in Figure 7-14, the journey time in the southbound direction during the PM Peak was broadly similar to that recorded during the AM Peak in the northbound direction. A similar peak in journey time was also recorded in November 2012 due to queuing on the M9 Spur.

In general, the journey time in the northbound direction was slightly higher than in the southbound direction, with peaks recorded in May and June 2013 due to congestion on approaches to the Forth Road Bridge.

## 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-12	1	7.1	00:05:24	1	7.4	00:04:32
	Oct-12	1	7.1	00:06:57	1	7.4	00:04:55
	Nov-12	1	7.1	00:07:45	1	7.4	00:05:02
	Dec-12	Not Surveyed					
	Jan-13	1	7.1	00:12:10	1	7.4	00:04:46
	Feb-13	1	7.1	00:14:24	1	6.9	00:04:24
	Mar-13	1	7.2	00:11:25	1	7.4	00:04:28
	Apr-13	1	7.2	00:10:20	1	7.4	00:04:44
	May-13	1	7.2	00:08:47	1	7.4	00:04:48
	Jun-13	1	7.2	00:07:47	1	7.4	00:04:52
	Jul-13	1	7.1	00:04:28	1	7.4	00:04:42
	Aug-13	1	7.1	00:06:46	1	7.3	00:04:43
Sep-13	1	7.1	00:11:49	1	7.4	00:05:12	

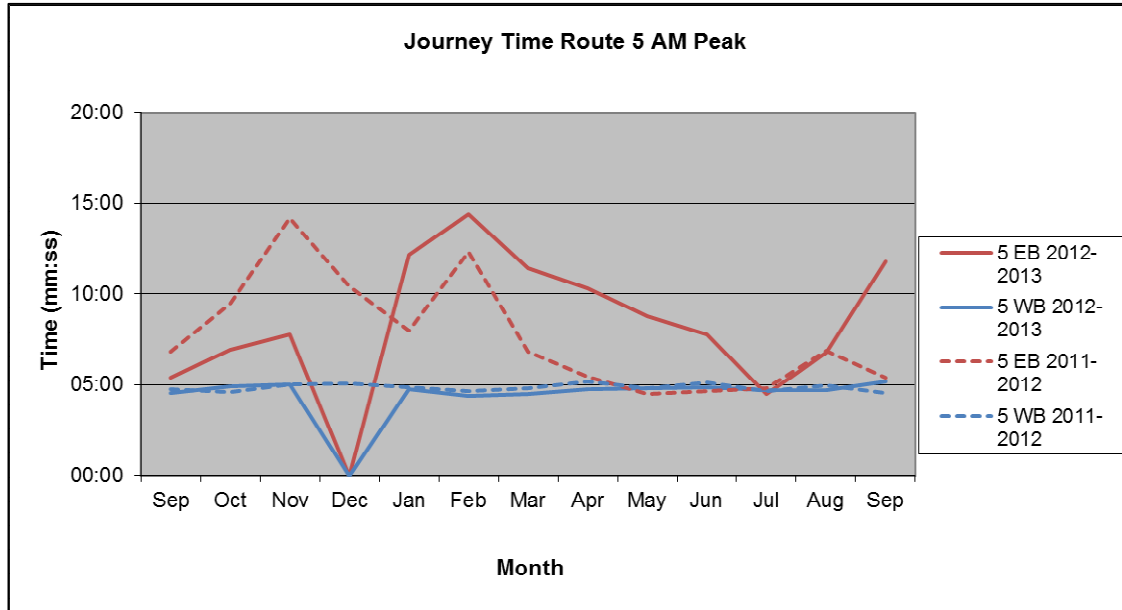


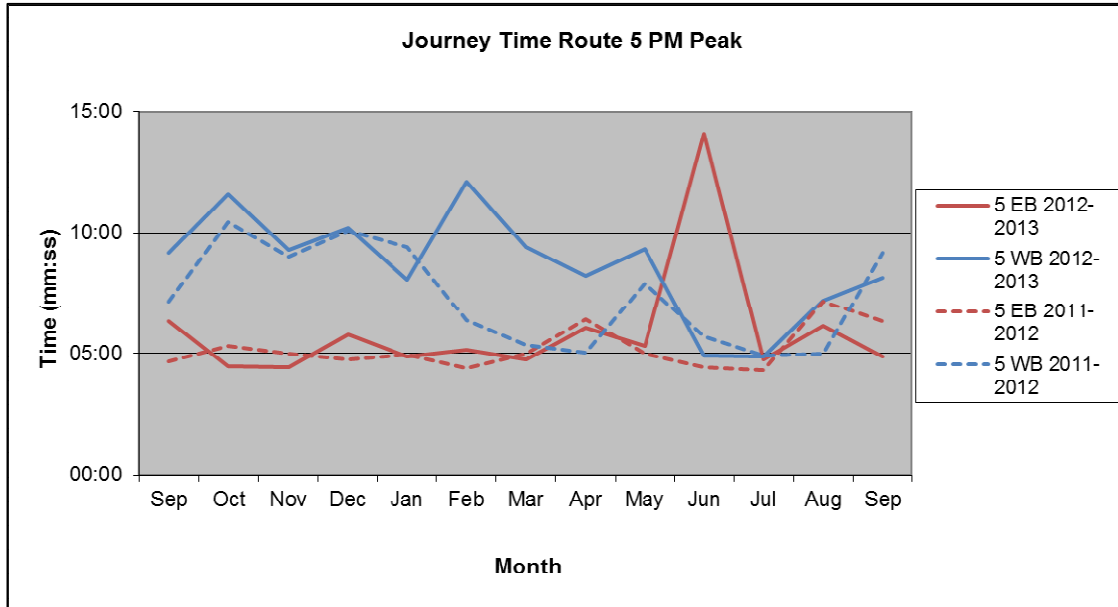
Figure 7-16 Route 5 Newbridge Junction to the A720 Hermiston Gait via the M9/M8 AM Peak

As shown in Figure 7-16, journey times were generally higher and less consistent in the eastbound direction compared to the westbound direction during the AM Peak in 2012-2013.

Journey times were recorded as being over ten minutes in the eastbound direction from January to April 2013 and in September 2013, due to heavy traffic and queuing at the Hermiston Gait Roundabout. In the westbound direction, traffic was generally found to be free flowing with a consistent journey time of around five minutes recorded each month in both 2012-2013 and 2011-2012. The eastbound journey time in 2011-2012 was found to be less reliable than in 2012-2013, due to congestion on the M8 between Junction 2 and Hermiston Gait.

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-12	1	7.1	00:06:21	1	7.3	00:09:12
	Oct-12	1	7.1	00:04:28	1	7.3	00:11:35
	Nov-12	1	7.2	00:04:26	1	7.4	00:09:19
	Dec-12	1	7.5	00:05:47	1	7.3	00:10:13
	Jan-13	1	7.2	00:04:52	1	7.3	00:08:04
	Feb-13	1	7.2	00:05:09	1	7.3	00:12:07
	Mar-13	1	7.2	00:04:46	1	7.3	00:09:25
	Apr-13	1	7.2	00:06:05	1	7.3	00:08:15
	May-13	1	7.2	00:05:20	1	7.4	00:09:20
	Jun-13	1	7.1	00:14:06	1	7.4	00:04:54
	Jul-13	1	6.9	00:04:46	1	7.4	00:04:53
	Aug-13	1	7.1	00:06:08	1	7.4	00:07:13
Sep-13	1	7.2	00:04:53	1	7.4	00:08:10	



**Figure 7-17 Route 5 Newbridge Junction to the A720 Hermiston Gait via the M9/M8 PM Peak**

As demonstrated in Figure 7-16, journey times were generally found to be higher in the westbound direction compared to the eastbound direction during the 2012-2013 PM Peak, due to heavy traffic at Hermiston Gait. Journey times typically fell within the range of seven to 12 minutes in the westbound direction, however this reduced to around five minutes during June and July when traffic was considered to be free flowing.

The journey times in the eastbound direction were generally consistent, with times ranging between four and six minutes throughout the year, with the exception of June 2013 when a time of over 14 minutes was recorded. This was due to heavy congestion on the M8 up to Hermiston Gait.

### 7.7 Route 6 A8 Gogar Junction to Newbridge Junction

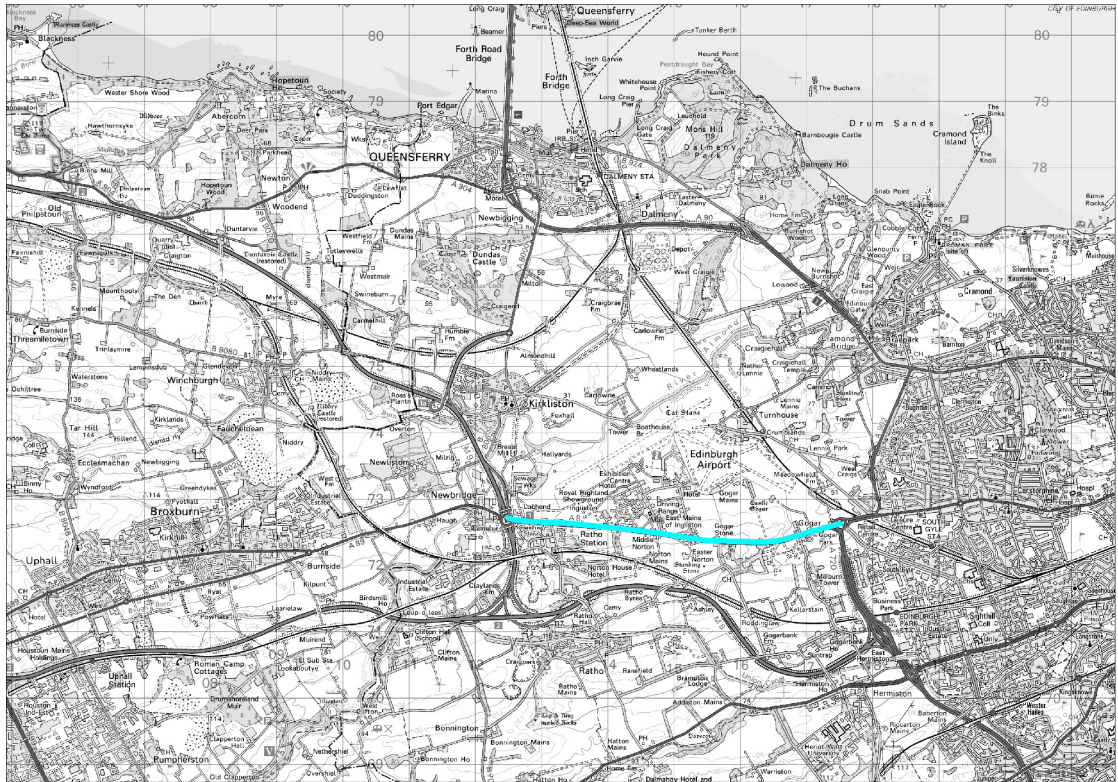
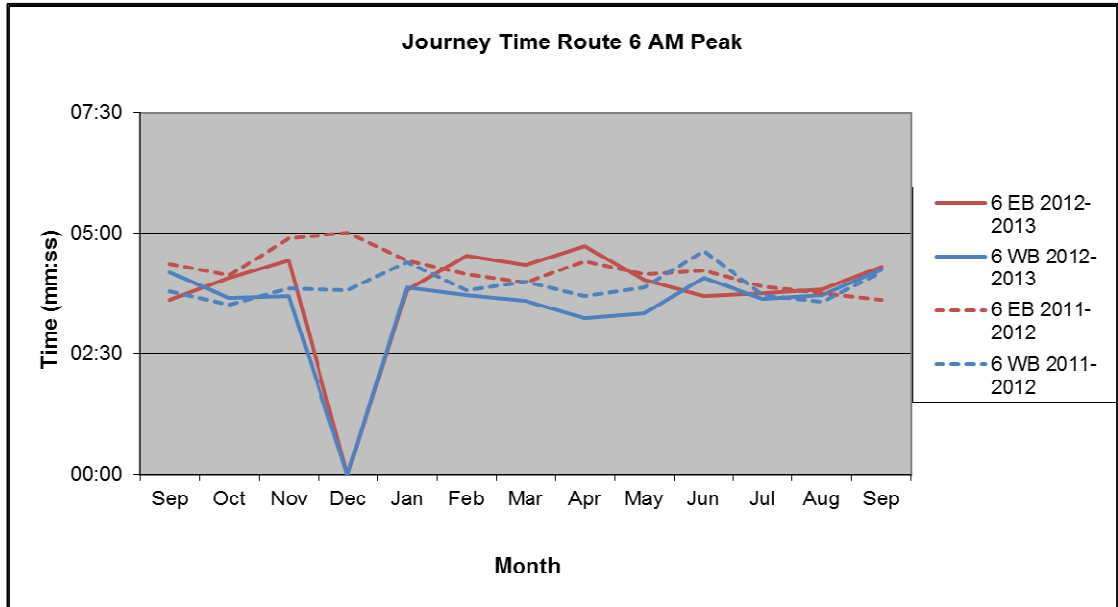


Figure 7-18 Route 6 A8 Gogar Junction to Newbridge Junction

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-12	1	4.6	00:03:36	1	4.5	00:04:11
	Oct-12	1	4.6	00:04:04	1	4.5	00:03:39
	Nov-12	1	4.6	00:04:26	1	4.5	00:03:41
	Dec-12	Not Surveyed					
	Jan-13	1	4.6	00:03:48	1	4.6	00:03:52
	Feb-13	1	4.6	00:04:33	1	4.5	00:03:42
	Mar-13	1	4.6	00:04:21	1	4.5	00:03:35
	Apr-13	1	4.6	00:04:44	1	4.5	00:03:14
	May-13	1	4.6	00:04:02	1	4.5	00:03:20
	Jun-13	1	4.6	00:03:41	1	4.5	00:04:04
	Jul-13	1	4.6	00:03:45	1	4.5	00:03:38
	Aug-13	1	4.6	00:03:50	1	4.5	00:03:42
Sep-13	1	4.6	00:04:18	1	4.5	00:04:15	



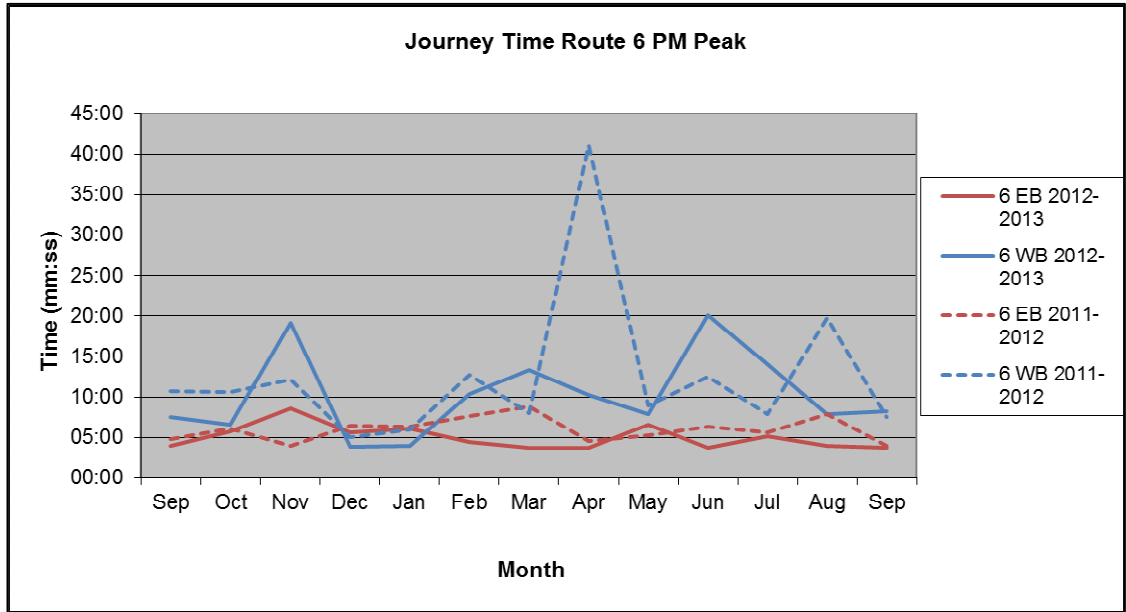


**Figure 7-19 Route 6 A8 Gogar Junction to Newbridge Junction AM Peak**

Journey times varied by approximately one and a half minutes in both directions during the 2012-2013 AM Peak, with all recorded times within the range of three to five minutes, as shown in Figure 7-19. There was congestion reported on the approach to Gogar Junction but not enough to significantly affect journey time reliability. Journey times were similarly consistent in 2011-2012.

**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-12	1	4.6	00:03:58	1	4.5	00:07:29
	Oct-12	1	4.6	00:05:42	1	4.5	00:06:34
	Nov-12	1	4.6	00:08:34	1	4.5	00:19:09
	Dec-12	1	4.6	00:05:38	1	4.5	00:03:54
	Jan-13	1	4.6	00:06:06	1	4.5	00:03:58
	Feb-13	1	4.6	00:04:26	1	4.5	00:10:20
	Mar-13	1	4.6	00:03:46	1	4.5	00:13:20
	Apr-13	1	4.5	00:03:45	1	4.5	00:10:12
	May-13	1	4.6	00:06:34	1	4.5	00:07:56
	Jun-13	1	4.6	00:03:41	1	4.5	00:20:02
	Jul-13	1	4.6	00:05:12	1	4.5	00:14:00
	Aug-13	1	4.6	00:03:59	1	4.5	00:07:56
Sep-13	1	4.6	00:03:45	1	4.5	00:08:15	



**Figure 7-20 Route 6 A8 Gogar Junction to Newbridge Junction PM Peak**

As shown in Figure 7-20, the westbound journey times were significantly less reliable in the PM Peak than those recorded in the eastbound direction, with times ranging from around four to 20 minutes. Particularly high journey times were recorded in November 2012 and June 2013, due to heavy traffic. In 2011-2012, journey times in the westbound direction were similarly unreliable, with a peak time of over 40 minutes recorded in April 2012 due to queuing traffic along the whole length of the route.

### 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-12	3	10.8	00:07:50	4	10.9	00:09:04
	Oct-12	Not Surveyed					
	Nov-12	1	10.9	00:08:48	1	10.9	00:16:48
	Dec-12	1	11.0	00:07:09	1	10.9	00:09:01
	Jan-13	1	10.9	00:07:20	1	10.9	00:18:18
	Feb-13	1	11.0	00:07:31	1	10.9	00:11:15
	Mar-13	1	11.0	00:07:34	1	10.9	00:07:19
	Apr-13	1	11.0	00:07:47	1	10.9	00:08:01
	May-13	1	11.0	00:07:19	1	10.9	00:07:15
	Jun-13	1	11.0	00:07:22	1	10.9	00:07:13
	Jul-13	1	11.0	00:07:11	1	10.9	00:07:02
	Aug-13	1	11.0	00:08:39	1	10.9	00:08:49
Sep-13	4	11.0	00:08:32	3	10.9	00:12:19	

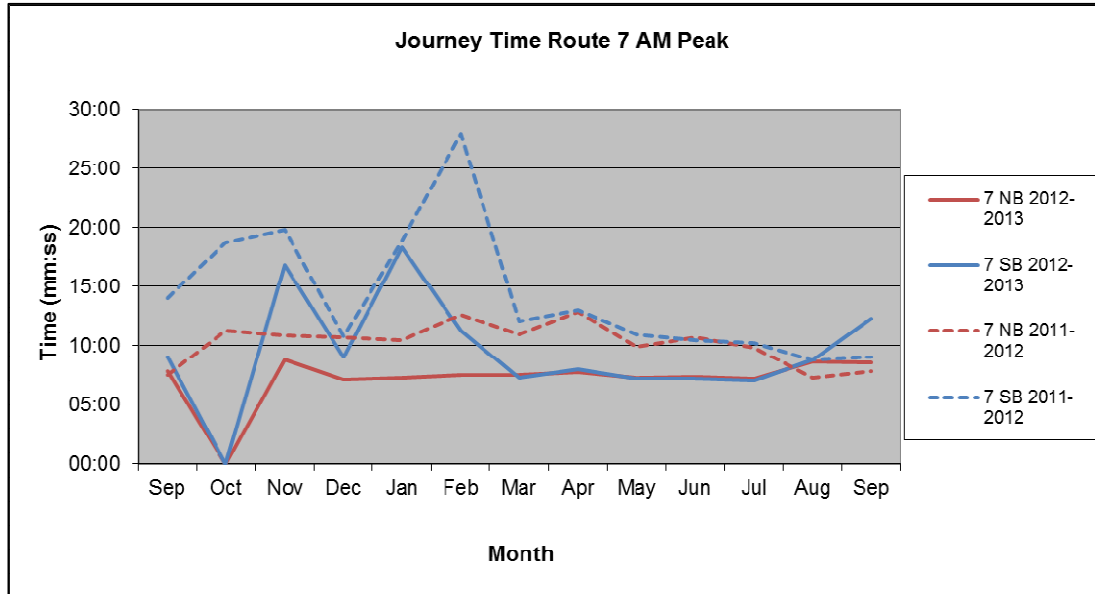
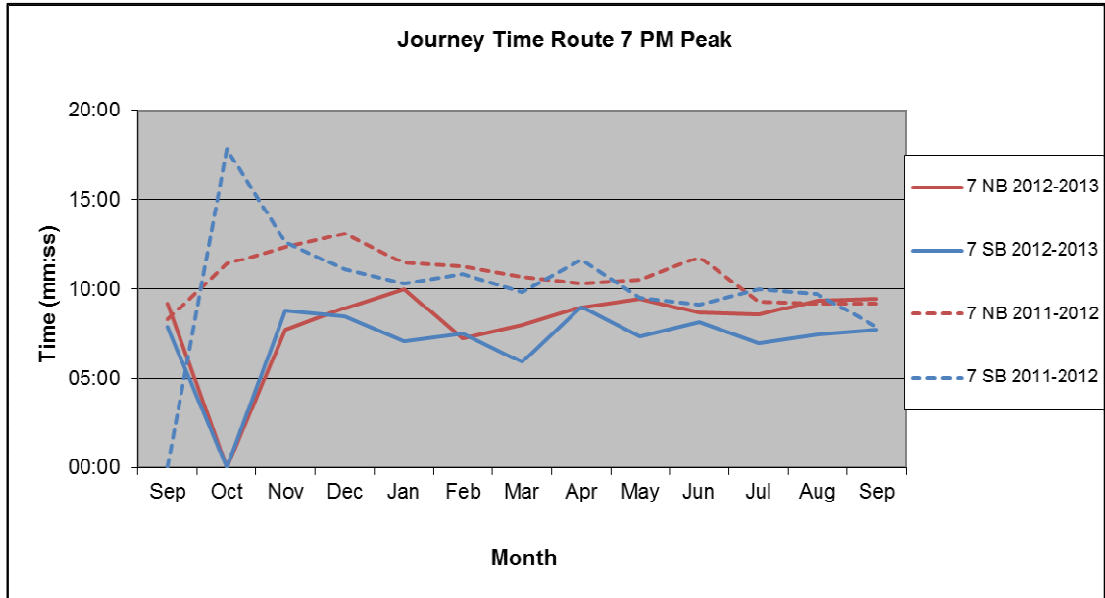


Figure 7-22 Route 7 A90 Echline Junction to the M90 Halbeath Junction AM Peak

Northbound journey times were found to be relatively consistent during the AM Peak within the 2012-2013 dataset, with journey times ranging from seven to nine minutes. The southbound journey times were largely inconsistent between September 2012 and February 2013, with peak times of over 18 minutes and 17 minutes recorded in January 2013 and November 2012 respectively, due to traffic queuing from Junction 2 to the Forth Road Bridge in both cases. Journey times were more consistent from March 2013 to September 2013, with times similar to those recorded in the southbound direction. The journey times in 2011-2012 were generally higher and slightly less consistent in the southbound direction compared to 2012-2013. In the southbound direction, journey times showed a high degree of variability in the first six months of the surveys, similar to those recored in 2012-2013.

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-12	3	10.9	00:09:13	3	10.9	00:07:53
	Oct-12	Not Surveyed					
	Nov-12	1	11.0	00:07:43	1	10.9	00:08:47
	Dec-12	1	10.9	00:08:56	1	10.0	00:08:27
	Jan-13	1	11.0	00:09:59	1	10.8	00:07:05
	Feb-13	1	11.0	00:07:14	1	10.9	00:07:31
	Mar-13	1	11.0	00:08:00	1	8.8	00:05:54
	Apr-13	1	11.0	00:08:59	1	10.9	00:08:59
	May-13	1	11.0	00:09:27	1	10.9	00:07:21
	Jun-13	1	11.0	00:08:39	1	10.9	00:08:09
	Jul-13	1	11.0	00:08:35	1	10.9	00:06:58
	Aug-13	1	11.0	00:09:21	1	10.9	00:07:26
Sep-13	3	11.0	00:09:27	3	10.9	00:07:42	



**Figure 7-23 Route 7 A90 Echline Junction to the M90 Halbeath Junction PM Peak**

In the 2012-2013 dataset, northbound journey times were relatively consistent, within a range of seven to ten minutes during the PM Peak, as shown in Figure 7-23. In the southbound direction, journey times were found to be slightly less, with a range of around six to nine minutes. Journey times in 2011-2012 were consistently higher throughout the year in both directions compared to 2012-2013, particularly in October 2011 which was impacted by road works.

### 7.9 Route 8 A985 between A90 Admiralty Junction and Cairneyhill Roundabout

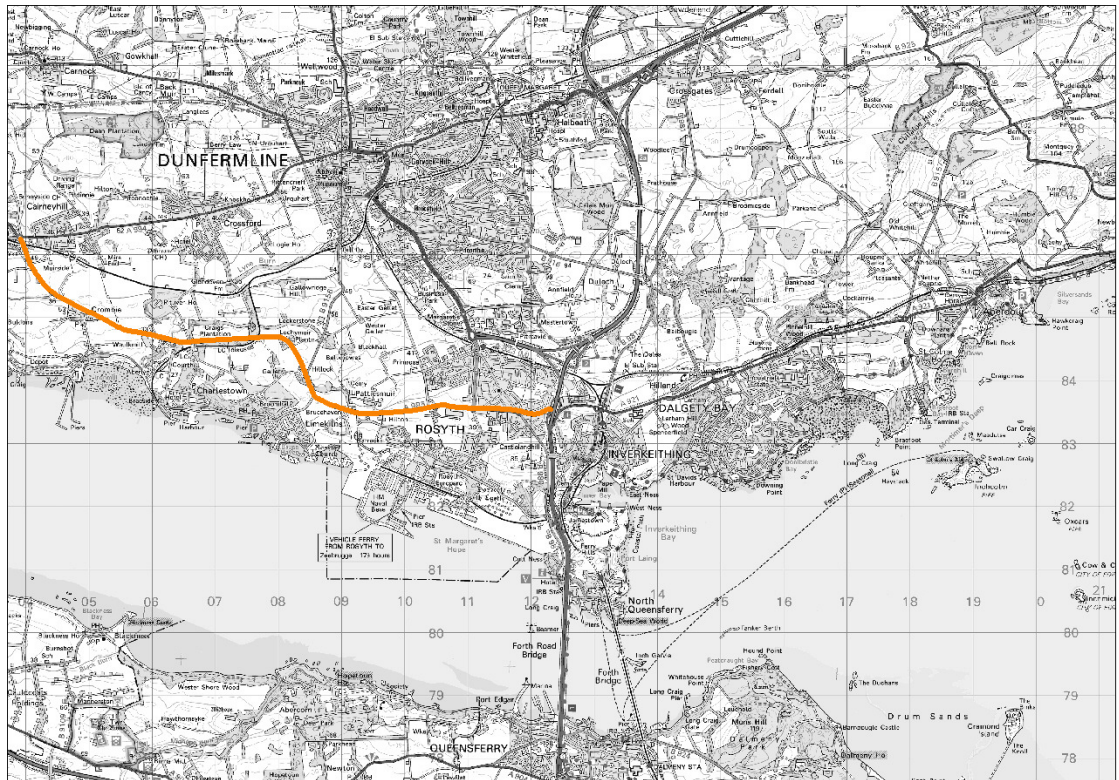
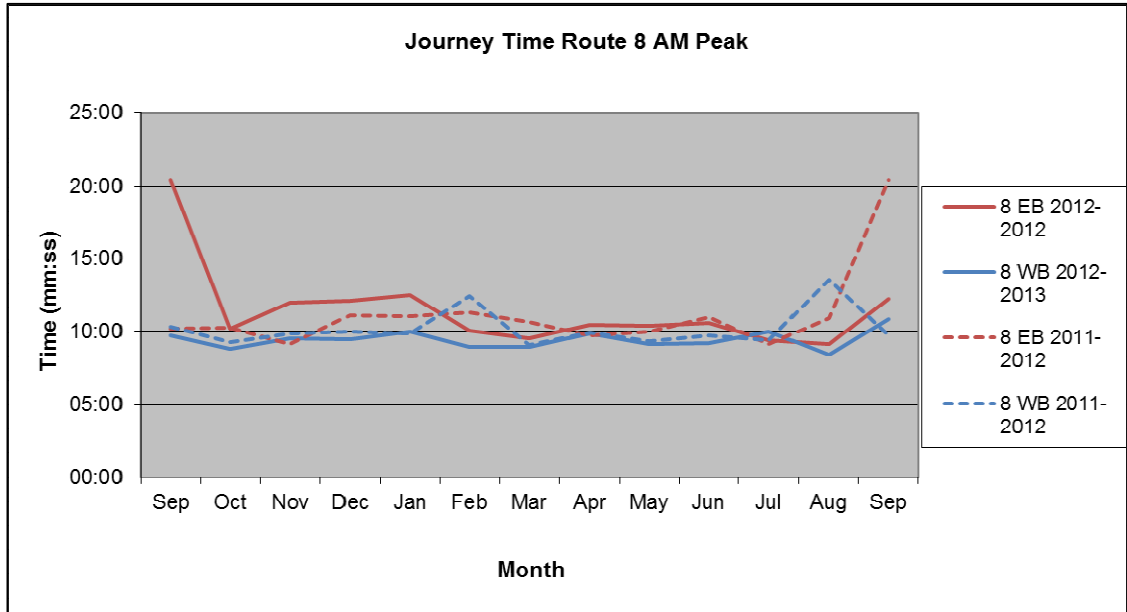


Figure 7-24 Route 8 A985 between A90 Admiralty Junction and Cairneyhill Roundabout

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-12	1	9.7	00:20:26	1	9.9	00:09:43
	Oct-12	1	9.7	00:10:11	1	9.7	00:08:47
	Nov-12	1	9.7	00:11:58	1	9.7	00:09:32
	Dec-12	1	10.0	00:12:05	1	9.8	00:09:27
	Jan-13	1	9.7	00:12:28	1	9.7	00:09:58
	Feb-13	1	9.7	00:10:01	1	9.7	00:08:56
	Mar-13	1	9.7	00:09:33	1	9.7	00:08:54
	Apr-13	1	9.7	00:10:25	1	9.7	00:09:51
	May-13	1	9.7	00:10:21	1	9.7	00:09:08
	Jun-13	1	9.7	00:10:33	1	9.7	00:09:10
	Jul-13	1	9.6	00:09:24	1	9.7	00:09:59
	Aug-13	1	9.4	00:09:09	1	9.4	00:08:25
Sep-13	1	9.6	00:12:12	1	9.7	00:10:52	

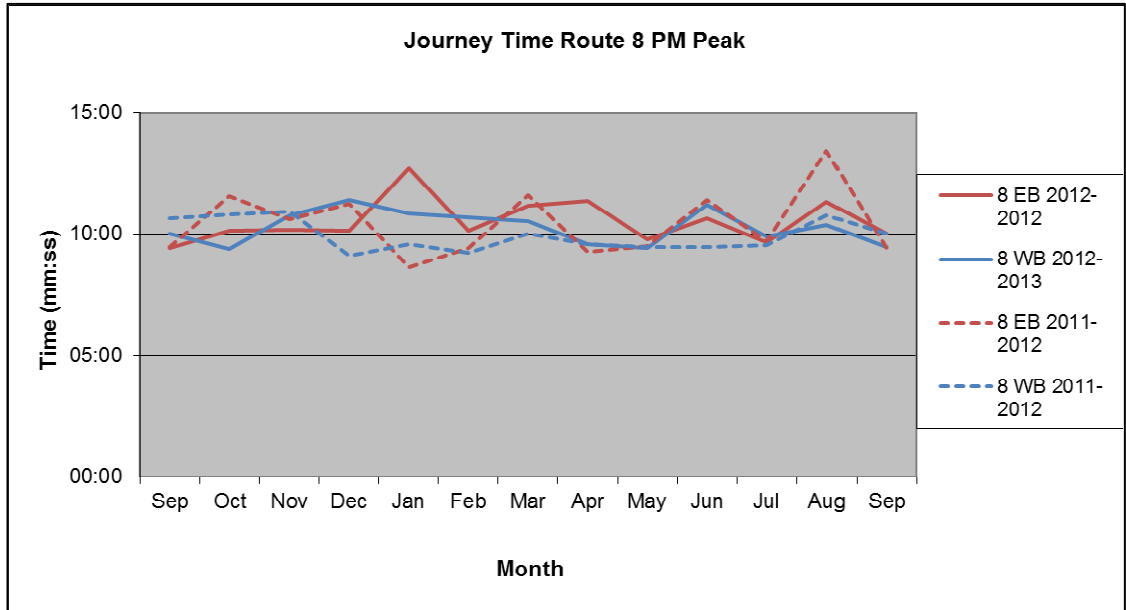


**Figure 7-25 Route 8 A985 between A90 Admiralty Junction and Cairneyhill Roundabout AM Peak**

As shown in Figure 7-25, journey times in both directions were relatively consistent in the AM Peak, with one outlier in September 2012 which was due to an accident on the A985. The average journey time was generally slightly higher in the eastbound direction than in the westbound direction. Journey times in 2011-2012 were similar to 2012-2013 in both consistency and duration in both directions.

**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-12	1	9.5	00:09:26	1	9.6	00:10:01
	Oct-12	1	9.7	00:10:08	1	9.6	00:09:22
	Nov-12	1	9.7	00:10:10	1	9.7	00:10:47
	Dec-12	1	9.7	00:10:08	1	9.8	00:11:24
	Jan-13	1	9.7	00:12:43	1	9.7	00:10:50
	Feb-13	1	9.7	00:10:07	1	9.7	00:10:42
	Mar-13	1	9.6	00:11:10	1	9.7	00:10:32
	Apr-13	1	9.4	00:11:22	1	9.7	00:09:35
	May-13	1	9.7	00:09:47	1	9.4	00:09:26
	Jun-13	1	9.7	00:10:40	1	9.3	00:11:12
	Jul-13	1	9.6	00:09:39	1	9.4	00:09:55
	Aug-13	1	9.6	00:11:19	1	9.7	00:10:23
	Sep-13	1	9.7	00:10:00	1	9.7	00:09:27



**Figure 7-26 Route 8 A985 between A90 Admiralty Junction and Cairneyhill Roundabout PM Peak**

From review of Figure 7-26, journey times were relatively consistent throughout the year in the PM Peak. A peak time of almost 13 minutes was recorded in January 2013, which was caused by congestion around junctions within Rosyth. Average journey times were slightly higher in the PM Peak than in the AM Peak, in both directions. Journey times were slightly less in the westbound direction from December 2011 to February 2012, compared to the same months in 2012-2013.



### 7.10 Route 9 A994 / A907 between Cairneyhill Roundabout and M90 Halbeath Junction

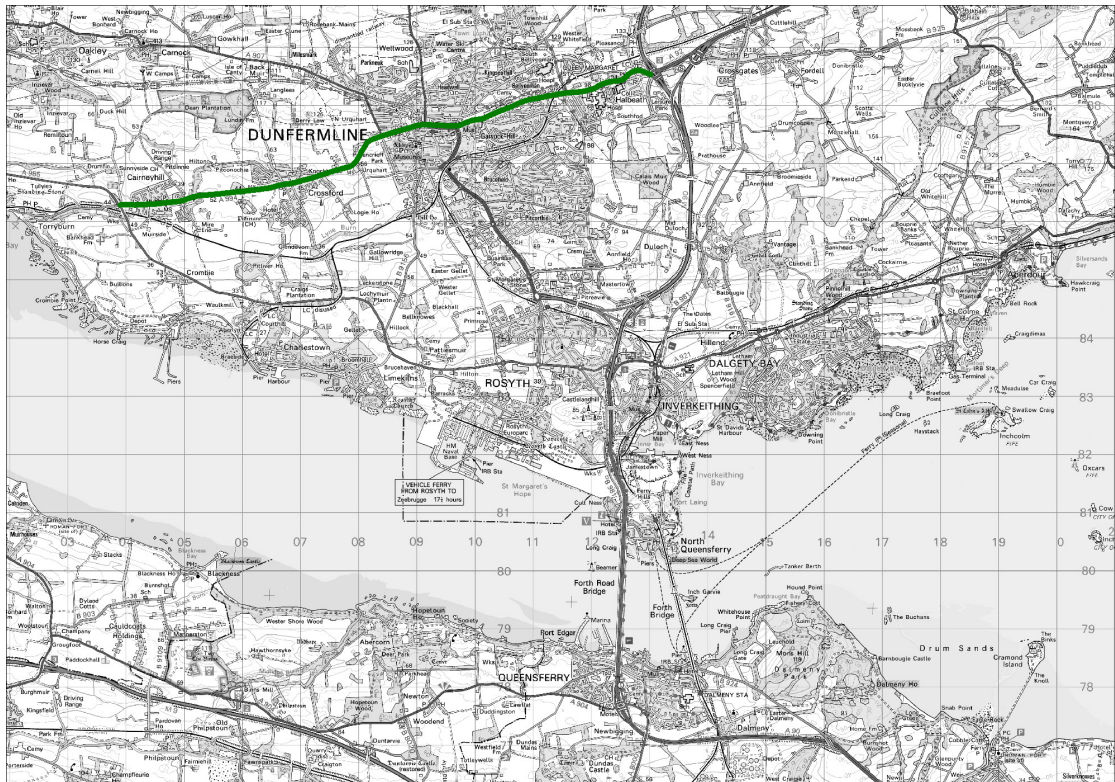


Figure 7-27 Route 9 A994 / A907 between Cairneyhill Roundabout and M90 Halbeath Junction

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-12	2	9.7	00:18:00	3	9.7	00:15:47
	Oct-12	1	9.7	00:15:45	1	9.8	00:14:43
	Nov-12	1	9.7	00:17:47	1	9.7	00:17:17
	Dec-12	1	9.7	00:16:52	1	9.7	00:17:28
	Jan-13	1	9.7	00:18:14	1	9.8	00:16:37
	Feb-13	1	9.7	00:14:41	1	9.8	00:15:42
	Mar-13	1	9.7	00:17:25	1	9.7	00:17:12
	Apr-13	1	9.7	00:15:13	1	9.7	00:16:29
	May-13	1	9.7	00:17:17	1	9.7	00:15:13
	Jun-13	1	9.7	00:15:29	1	9.6	00:15:05
	Jul-13	1	9.7	00:13:53	1	9.8	00:13:59
	Aug-13	1	11.4	00:18:50	1	9.7	00:15:08
Sep-13	2	9.7	00:16:26	2	9.7	00:16:31	

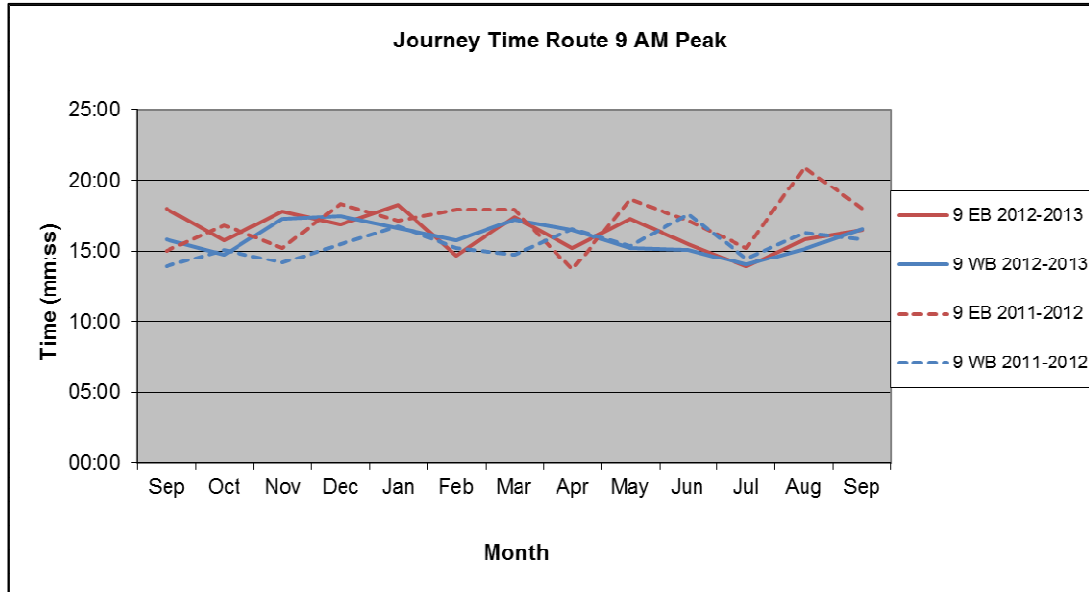
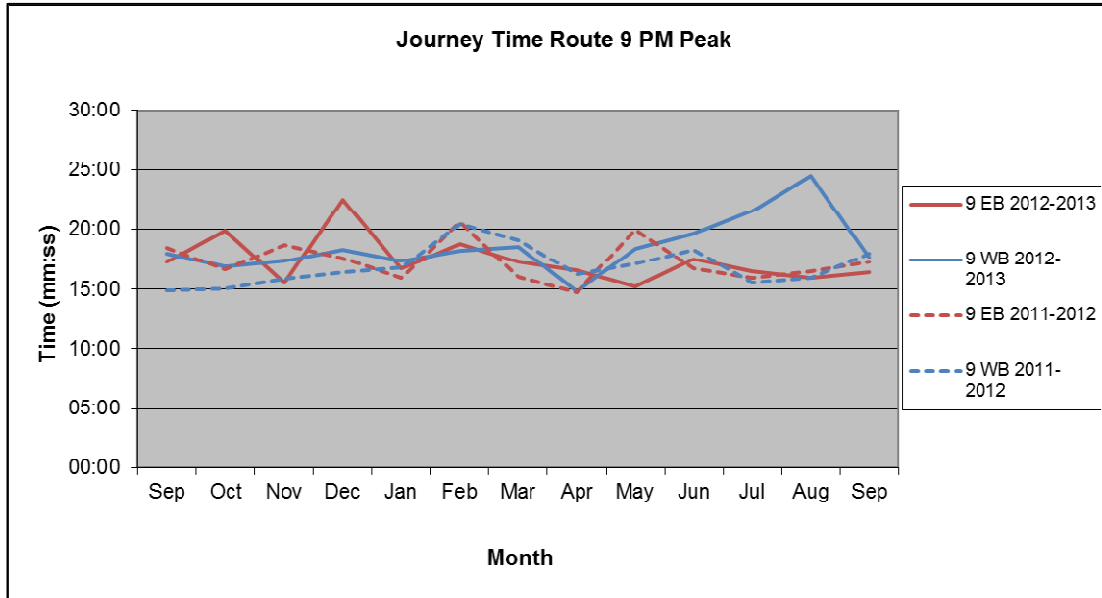


Figure 7-28 Route 9 A994 / A907 between Cairneyhill Roundabout and M90 Halbeath Junction AM Peak

Journey Time Route 9 encompasses Dunfermline town centre and a number of villages on the outskirts of the town. As a result, congestion and queuing at junctions can be experienced. This is reflected in the variability of the journey times in both 2011-2012 and 2012-2013, particularly in the eastbound direction, as shown in Figure 7-28.

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-12	4	9.7	00:17:17	3	9.7	00:17:59
	Oct-12	1	9.2	00:19:53	1	9.7	00:16:53
	Nov-12	1	9.7	00:15:32	1	9.8	00:17:23
	Dec-12	1	10	00:22:28	1	9.7	00:18:16
	Jan-13	1	9.9	00:16:41	1	9.7	00:17:21
	Feb-13	1	9.7	00:18:48	1	9.8	00:18:14
	Mar-13	1	9.7	00:17:17	1	9.7	00:18:33
	Apr-13	1	9.7	00:16:35	1	9.7	00:14:51
	May-13	1	9.7	00:15:14	1	9.8	00:18:20
	Jun-13	1	9.5	00:17:28	1	9.7	00:19:36
	Jul-13	1	9.7	00:16:30	1	9.8	00:21:32
	Aug-13	1	9.5	00:15:55	1	9.8	00:24:27
	Sep-13	3	9.7	00:16:25	5	9.7	00:17:39



**Figure 7-29 Route 9 A994 / A907 between Cairneyhill Roundabout and M90 Halbeath Junction PM Peak**

From review of Figure 7-29, there was a similar variation in journey time in the PM Peak as in the AM Peak. In December 2012, a time of over 22 minutes in the eastbound direction was recorded, due to congestion in Dunfermline. A time of over 24 minutes in the westbound direction was recorded in August 2013, however this was due to congestion from Dunfermline to Crossford. A similar variation in journey times can also be seen throughout 2011-2012.

7.11 Route 10 A823 (M) between the A907 and M90 Masterton Junction

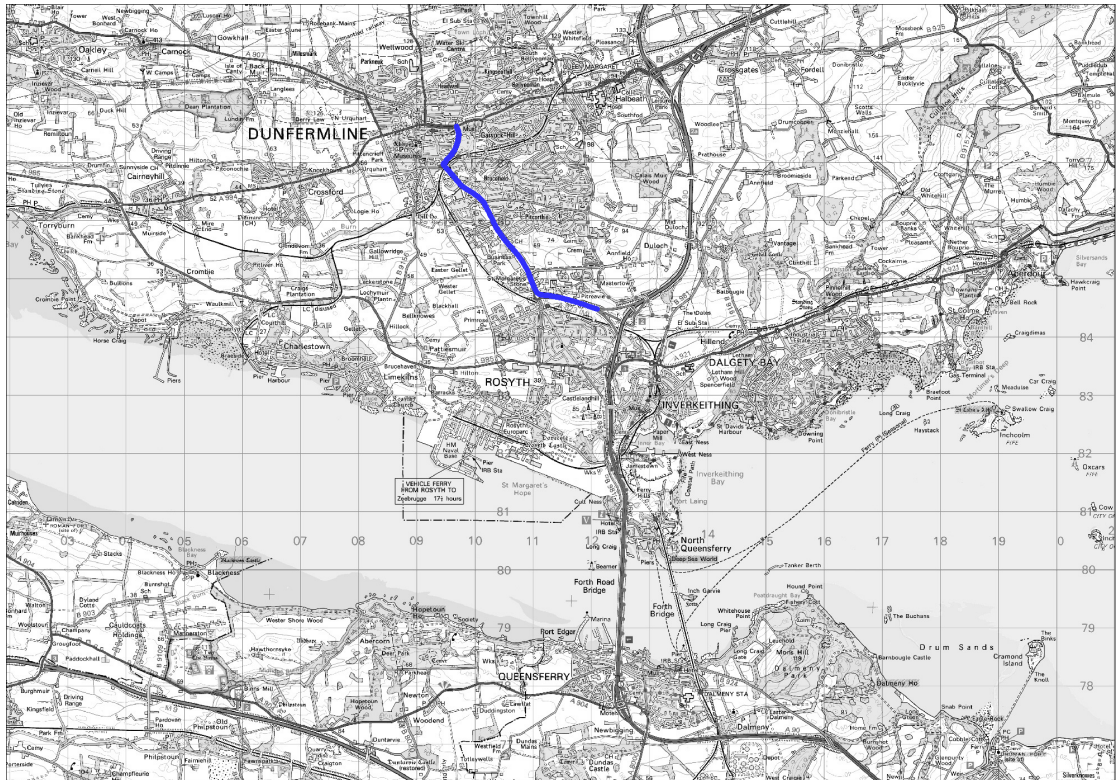


Figure 7-30 Route 10 A823 (M) between the A907 and M90 Masterton Junction

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-12	1	4.6	00:06:24	1	4.9	00:06:46
	Oct-12	1	4.5	00:06:00	1	4.9	00:05:29
	Nov-12	1	4.5	00:06:08	1	4.9	00:06:38
	Dec-12	1	4.5	00:10:00	1	4.9	00:07:00
	Jan-13	1	4.5	00:06:36	1	4.9	00:06:19
	Feb-13	1	4.5	00:12:39	1	4.9	00:07:45
	Mar-13	1	4.5	00:07:19	1	4.9	00:07:54
	Apr-13	1	4.5	00:09:09	1	4.9	00:06:11
	May-13	1	4.5	00:06:48	1	4.9	00:06:08
	Jun-13	1	4.6	00:08:07	1	4.9	00:06:04
	Jul-13	1	4.6	00:06:23	1	4.9	00:05:56
	Aug-13	1	4.6	00:07:08	1	4.9	00:06:20
Sep-13	1	4.5	00:06:49	1	4.9	00:06:09	

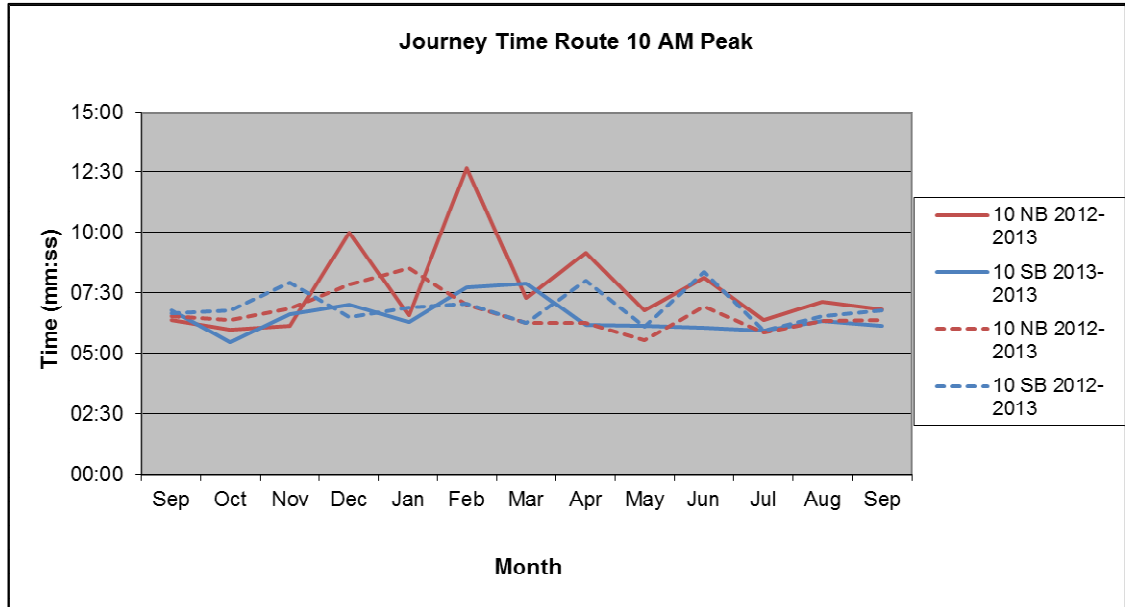


Figure 7-31 Route 10 A823 (M) between the A907 and M90 Masterton Junction AM Peak

Route 10 is similar to Route 9 in that it also comprises of a congested urban network, with a number of signalised junctions and roundabouts. This is made evident in Figure 7-31 as there is noticeable variation in journey times in 2012-2013. An average time of over 12.5 minutes was recorded in February 2013 in the northbound direction during the AM Peak, which is likely to be due to adverse weather conditions as reported on the day of the survey. In 2011-2012, journey time surveys generally reported traffic to be free flowing, which appears reasonable as Figure 7-31 demonstrates that journey times in the northbound direction were less variable in 2011-2012 than 2012-2013.

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-12	1	4.6	00:06:13	1	5.3	00:06:11
	Oct-12	1	4.5	00:06:34	1	4.9	00:07:02
	Nov-12	1	4.5	00:09:30	1	4.9	00:07:57
	Dec-12	1	4.5	00:06:20	1	4.9	00:08:13
	Jan-13	1	4.5	00:10:37	1	4.9	00:06:46
	Feb-13	1	4.5	00:07:52	1	4.9	00:06:21
	Mar-13	1	4.5	00:08:24	1	4.9	00:08:03
	Apr-13	1	4.5	00:06:03	1	4.9	00:05:30
	May-13	1	4.6	00:06:34	1	4.9	00:05:48
	Jun-13	1	4.5	00:06:25	1	4.8	00:08:08
	Jul-13	1	4.5	00:06:33	1	4.9	00:05:55
	Aug-13	1	4.5	00:06:04	1	4.9	00:06:45
Sep-13	1	4.6	00:07:35	1	4.9	00:08:37	

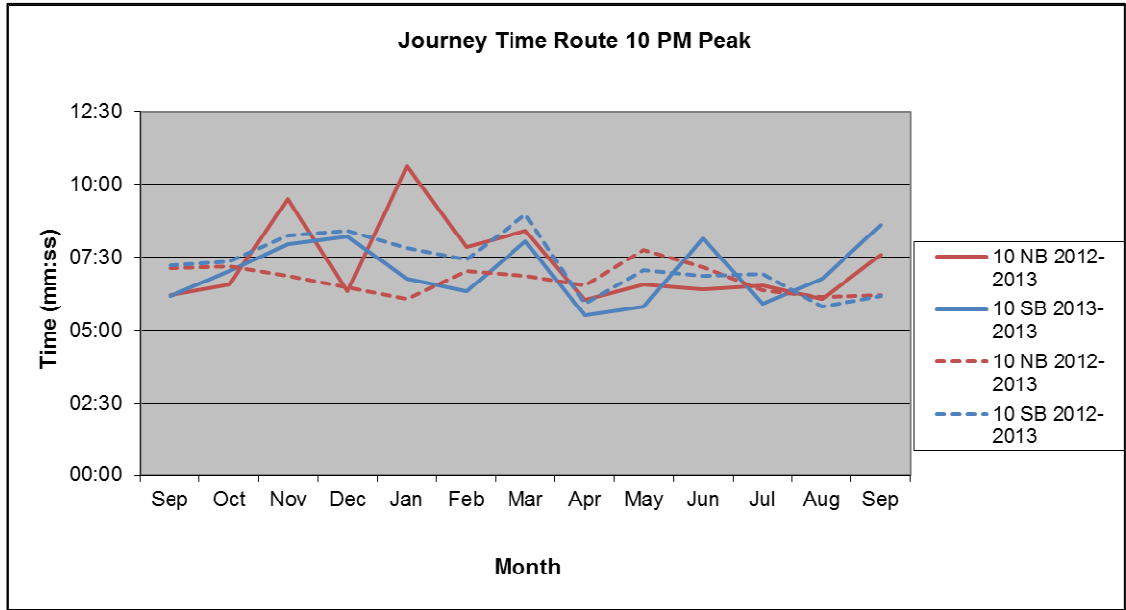


Figure 7-32 Route 10 A823 (M) between the A907 and M90 Masterton Junction PM Peak

Journey times in the PM Peak were influenced by the same factors as in the AM Peak, with variations in journey time due to the number of junctions and traffic signals on the route. In January 2013, congestion on the A823 was responsible for a journey time of over ten minutes in the northbound direction, whereas in the period of 2011-2012, traffic in the northbound direction was generally free flowing, as reflected by the relatively consistent journey times compared to 2012-2013 in Figure 7-32.

### 7.12 Route 11 A921 between the B9157 and A90 Admiralty Junction

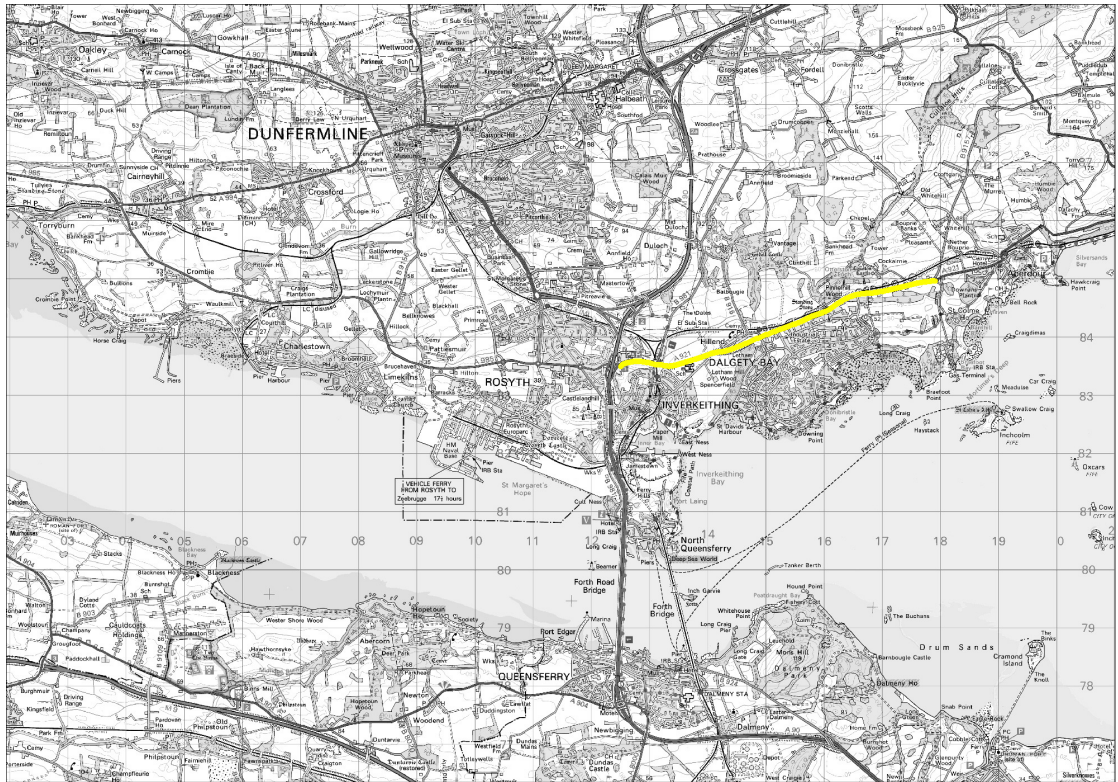
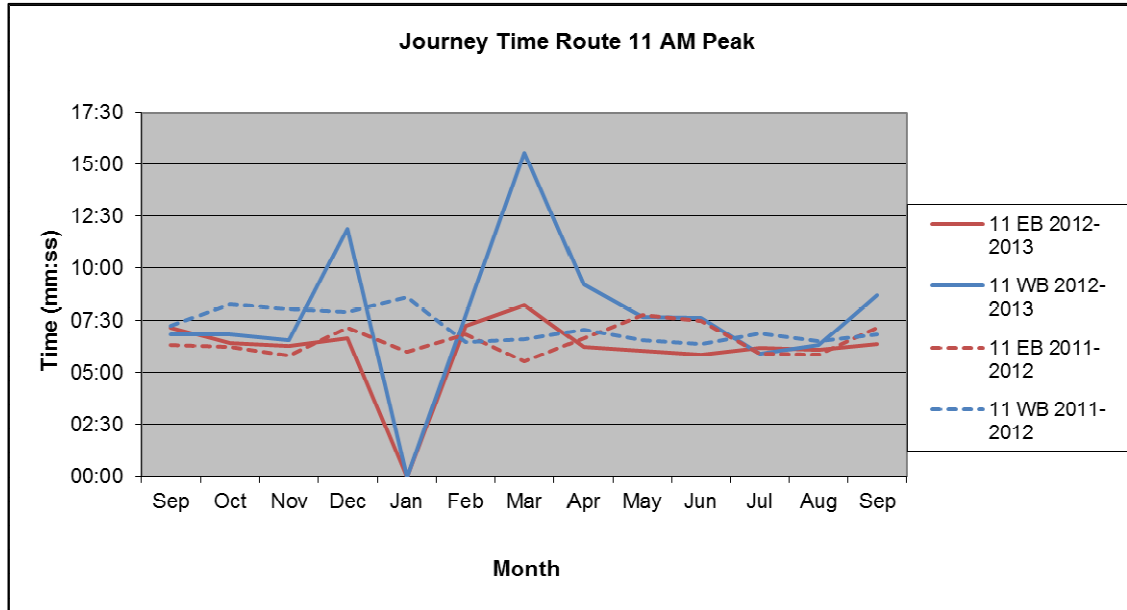


Figure 7-33 Route 11 A921 between the B9157 and A90 Admiralty Junction

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-12	1	5.8	00:07:09	1	5.8	00:06:51
	Oct-12	1	5.8	00:06:26	1	5.8	00:06:52
	Nov-12	1	5.8	00:06:17	1	5.8	00:06:33
	Dec-12	1	5.8	00:06:41	1	5.9	00:11:54
	Jan-13	Not Surveyed					
	Feb-13	1	5.8	00:07:17	1	5.9	00:07:45
	Mar-13	1	5.8	00:08:13	1	5.8	00:15:32
	Apr-13	1	5.8	00:06:16	1	5.7	00:09:13
	May-13	1	5.8	00:06:05	1	5.9	00:07:41
	Jun-13	1	5.8	00:05:53	1	5.8	00:07:39
	Jul-13	1	5.8	00:06:12	1	5.8	00:05:55
	Aug-13	1	5.8	00:06:06	1	5.7	00:06:20
Sep-13	1	5.7	00:06:22	1	5.8	00:08:42	



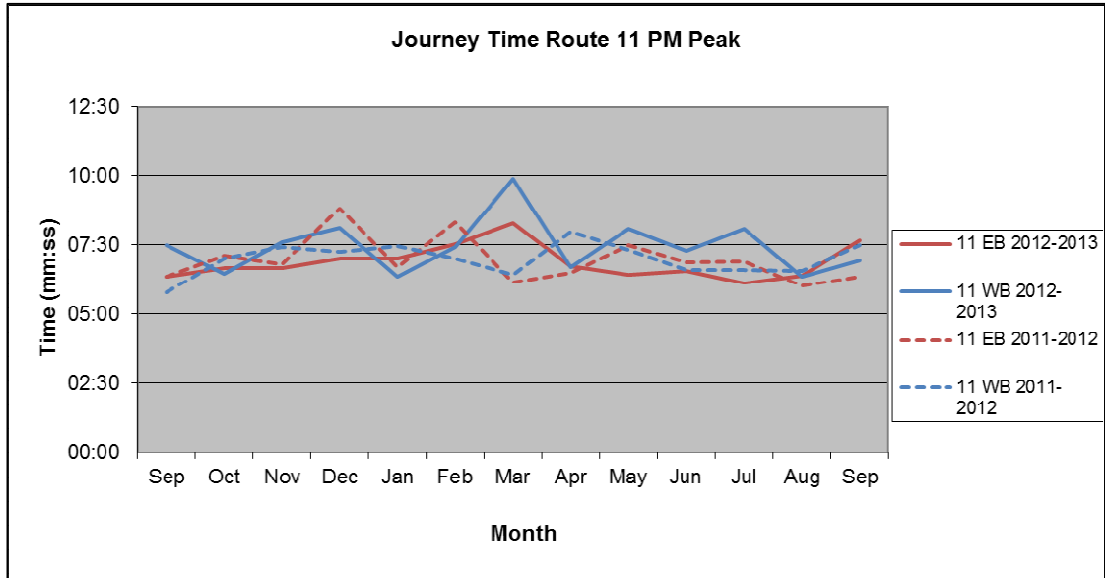
**Figure 7-34 Route 11 A921 between the B9157 and A90 Admiralty Junction AM Peak**

Road works on the A921 were responsible for the relatively high variation in journey times in the AM Peak during 2011-2012, particularly in the westbound direction, as shown in Figure 7-34. The significantly long journey time in the westbound direction in December 2012 was due to a breakdown on the Forth Road Bridge, which caused queuing between Chapel Place and Admiralty. In March 2013, a longer journey time of around 15 minutes was experienced due to road works on the A921 at Dalgety Bay. No surveys were undertaken in the AM Peak during January 2013 due to a road closure on the A921 for road resurfacing. Journey times in 2011-2012 were generally more consistent in both directions compared to 2012-2013, due to the free flowing nature of the traffic.

**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-12	1	5.9	00:06:22	1	5.8	00:07:29
	Oct-12	1	5.8	00:06:39	1	5.8	00:06:28
	Nov-12	1	6.0	00:06:39	1	5.8	00:07:36
	Dec-12	1	5.8	00:07:01	1	5.9	00:08:07
	Jan-13	1	5.8	00:07:00	1	5.8	00:06:21
	Feb-13	1	5.8	00:07:31	1	5.8	00:07:26
	Mar-13	1	5.8	00:08:17	1	5.9	00:09:54
	Apr-13	1	5.8	00:06:44	1	5.9	00:06:41
	May-13	1	5.8	00:06:25	1	5.7	00:08:05
	Jun-13	1	5.6	00:06:33	1	5.6	00:07:17
	Jul-13	1	5.6	00:06:08	1	5.8	00:08:04
	Aug-13	1	5.8	00:06:24	1	5.8	00:06:22
Sep-13	1	5.8	00:07:39	1	5.8	00:06:57	





**Figure 7-35 Route 11 A921 between the B9157 and A90 Admiralty Junction PM Peak**

Road works on the A921 were also responsible for the variation in journey times in both directions during the PM Peak in 2012-2013, which is particularly evident in the times recorded in March 2013. The general variation in journey times throughout the year, particularly in the westbound direction, can be attributed to busy urban areas and queues at roundabouts. As shown in Figure 7-35, similar journey time variability was experienced in 2011-2012 due to congestion experienced around Admiralty Junction and the double roundabout at the A921/B981 Junction.

### 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-12	1	6.9	00:08:19	1	6.9	00:07:12
	Oct-12	1	6.8	00:07:33	1	6.8	00:08:17
	Nov-12	1	6.8	00:07:53	1	6.9	00:09:58
	Dec-12	1	7.1	00:08:05	1	7.1	00:07:16
	Jan-13	1	6.9	00:06:47	1	7.1	00:08:13
	Feb-13	1	7.0	00:07:54	1	7.1	00:08:12
	Mar-13	1	7.0	00:07:22	1	7.1	00:07:41
	Apr-13	1	6.9	00:07:24	1	7.0	00:08:18
	May-13	1	7.0	00:07:53	1	7.1	00:07:59
	Jun-13	1	6.9	00:07:24	1	7.0	00:07:35
	Jul-13	1	6.7	00:07:16	1	6.8	00:07:20
	Aug-13	1	6.7	00:08:01	1	6.9	00:07:18
Sep-13	1	7.1	00:10:00	1	6.9	00:07:12	

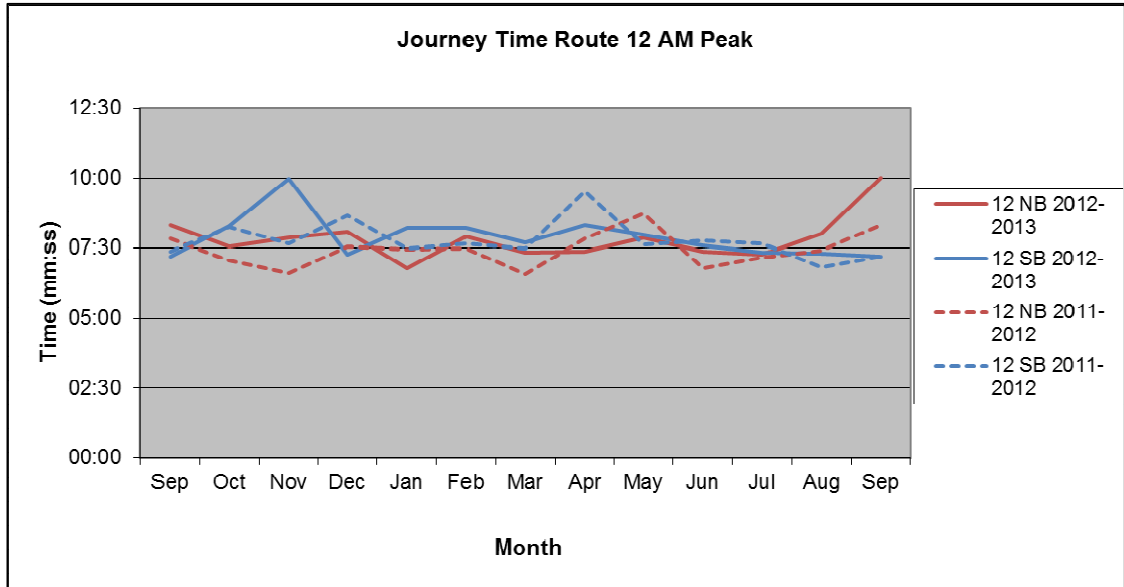


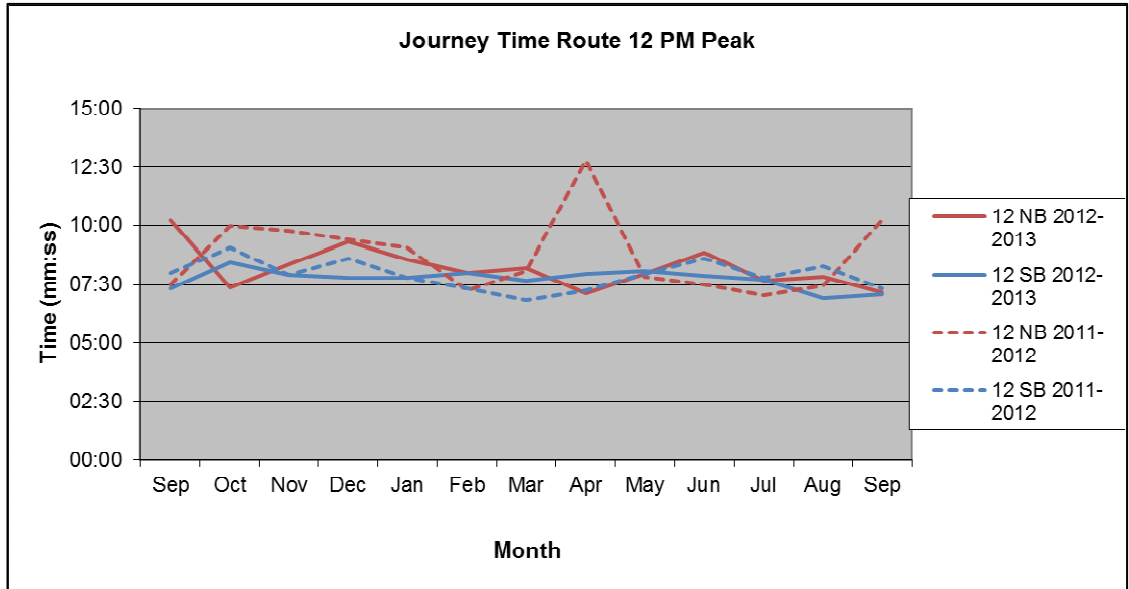
Figure 7-37 Route 12 B981 between A92 and A90 Admiralty Junction AM Peak

As shown in Figure 7-37, journey times in both directions were generally consistent throughout the AM Peak during 2012-2013.

The higher journey time recorded in the northbound direction during September 2013 was due to a tractor holding up traffic during the survey. Journey times in 2011-2012 showed a similar degree of variation compared to 2012-2013. 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-12	1	7.2	00:10:13	1	7.0	00:07:21
	Oct-12	1	6.9	00:07:24	1	6.9	00:08:28
	Nov-12	1	6.9	00:08:23	1	7.1	00:07:54
	Dec-12	1	7.0	00:09:18	1	7.1	00:07:48
	Jan-13	1	7.0	00:08:34	1	7.0	00:07:48
	Feb-13	1	6.9	00:07:59	1	7.0	00:08:01
	Mar-13	1	7.0	00:08:11	1	7.0	00:07:41
	Apr-13	1	6.6	00:07:09	1	6.7	00:07:57
	May-13	1	6.7	00:07:58	1	6.9	00:08:04
	Jun-13	1	6.6	00:08:51	1	6.7	00:07:53
	Jul-13	1	6.7	00:07:39	1	6.7	00:07:42
	Aug-13	1	6.9	00:07:51	1	6.9	00:06:57
Sep-13	1	6.3	00:07:11	1	6.5	00:07:05	



**Figure 7-38 Route 12 B981 between A92 and A90 Admiralty Junction PM Peak**

From review of 7-38, journey times were generally consistent throughout 2012-2013 during the PM Peak, as traffic was free flowing, however a peak time of over ten minutes was recorded in September 2012 in the northbound direction. In 2011-2012, journey times in the northbound direction were generally less consistent than in 2012-2013. A relatively high northbound journey time was recorded in April 2012, as 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

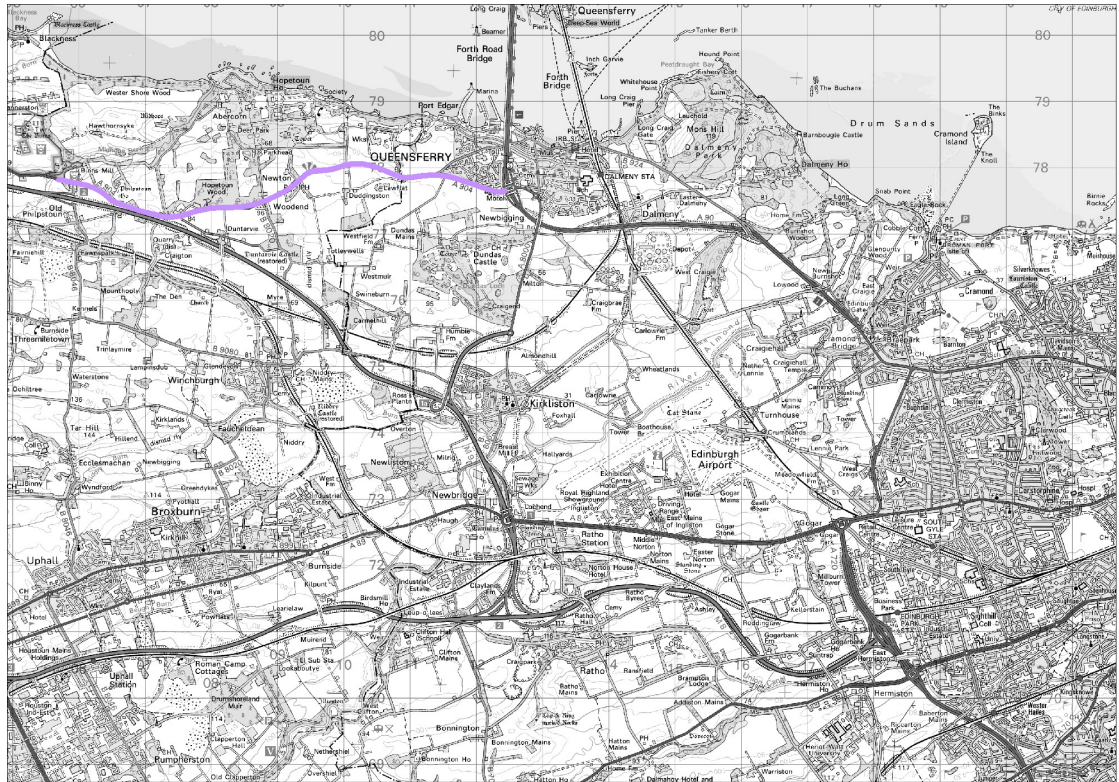
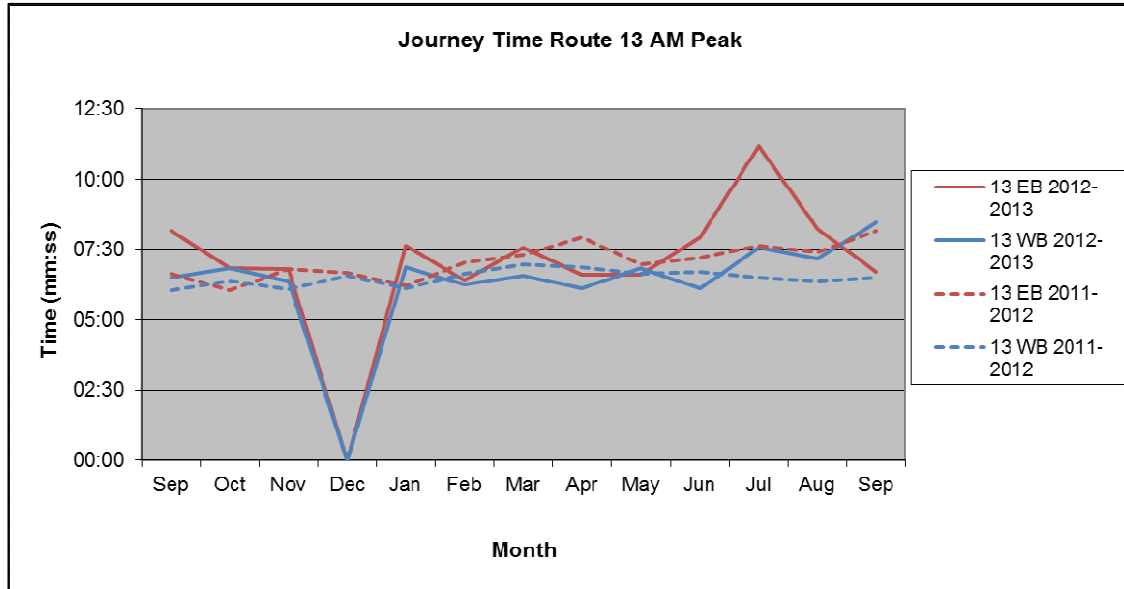


Figure 7-39 Route 13 A904 Old Philpstoun to Echline Junction

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-12	1	7.0	00:08:10	1	7.0	00:06:31
	Oct-12	1	7.0	00:06:51	1	7.0	00:06:51
	Nov-12	1	7.0	00:06:48	1	7.0	00:06:23
	Dec-12	Not Surveyed					
	Jan-13	1	7.0	00:07:39	1	7.0	00:06:53
	Feb-13	1	6.8	00:06:25	1	7.0	00:06:14
	Mar-13	1	7.0	00:07:34	1	7.0	00:06:35
	Apr-13	1	7.0	00:06:37	1	7.0	00:06:07
	May-13	1	7.0	00:06:37	1	7.0	00:06:50
	Jun-13	1	7.0	00:07:55	1	7.0	00:06:06
	Jul-13	1	7.0	00:11:10	1	6.9	00:07:35
	Aug-13	1	6.8	00:08:13	1	6.8	00:07:11
Sep-13	1	6.9	00:06:43	1	7.0	00:08:28	

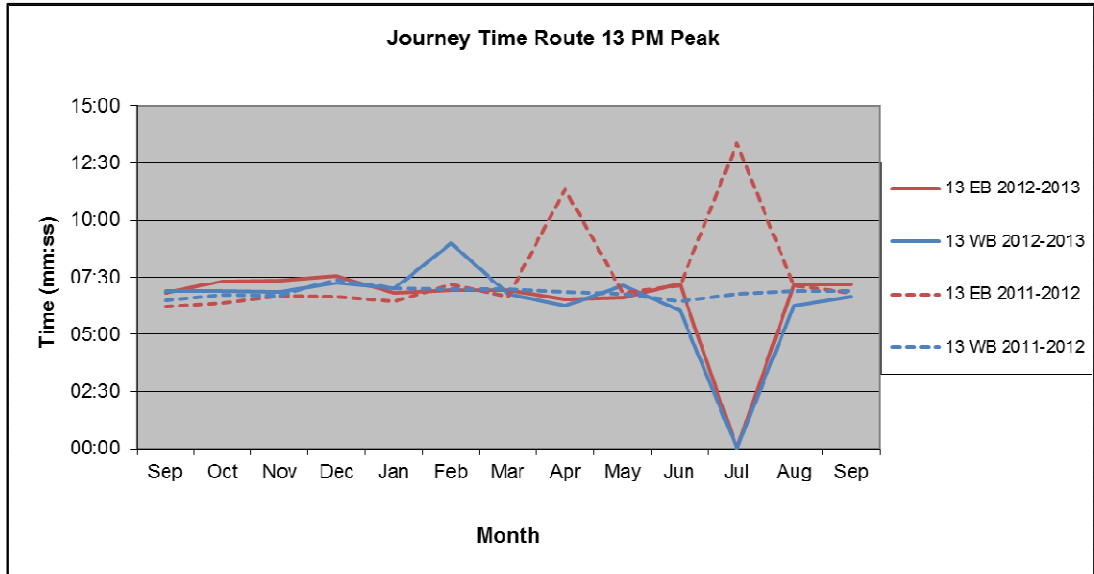


**Figure 7-40 Route 13 A904 Old Philpstoun to Echline Junction AM Peak**

As shown in 7-40, journey times were relatively consistent in the AM Peak during 2012-2013. Times were generally within the range of six to eight minutes, with the exception of July 2013 when a time of over 11 minutes was recorded. In December 2012, an accident on the Forth Road Bridge caused surveys in both directions to be abandoned. In 2011-2012, similar times were recorded throughout the year, in contrast to those recorded in 2012-2013.

**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-12	1	7.0	00:06:48	1	7.0	00:06:53
	Oct-12	1	7.0	00:07:19	1	7.0	00:06:53
	Nov-12	1	7.0	00:07:23	1	7.0	00:06:52
	Dec-12	1	7.0	00:07:33	1	7.0	00:07:14
	Jan-13	1	7.0	00:06:50	1	7.0	00:07:00
	Feb-13	1	7.0	00:06:57	1	6.8	00:08:59
	Mar-13	1	7.0	00:06:57	1	7.0	00:06:46
	Apr-13	1	7.0	00:06:32	1	7.0	00:06:16
	May-13	1	7.0	00:06:37	1	7.0	00:07:08
	Jun-13	1	7.0	00:07:13	1	7.0	00:06:04
	Jul-13	Not Surveyed					
	Aug-13	1	7.0	00:07:10	1	7.0	00:06:15
Sep-13	1	7.0	00:07:11	1	7.0	00:06:39	



**Figure 7-41 Route 13 A904 Old Philpstoun to Echline Junction PM Peak**

As shown in Figure 7-41, journey times in both directions were also relatively consistent in the PM Peak, with times varying between six and eight minutes, however in February 2012 a slightly longer time of around nine minutes was recorded in the westbound direction.

In 2011-2012, journey times were generally of similar duration and consistency in both directions compared to 2012-2013, 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.

**Appendix A Automatic Traffic Counter Locations**





Figure 7-42 Automatic Traffic Counter Locations - Kincardine Area

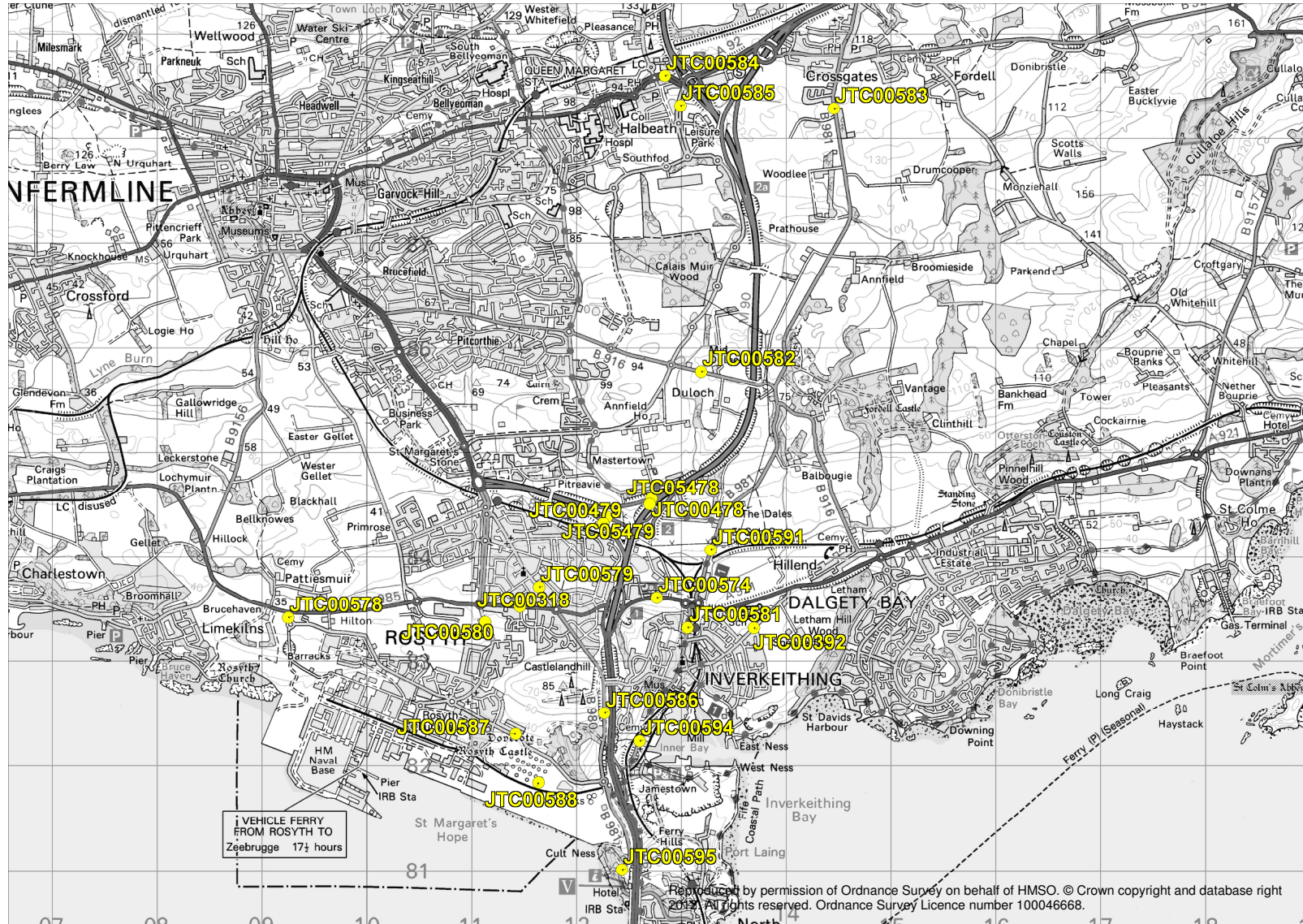
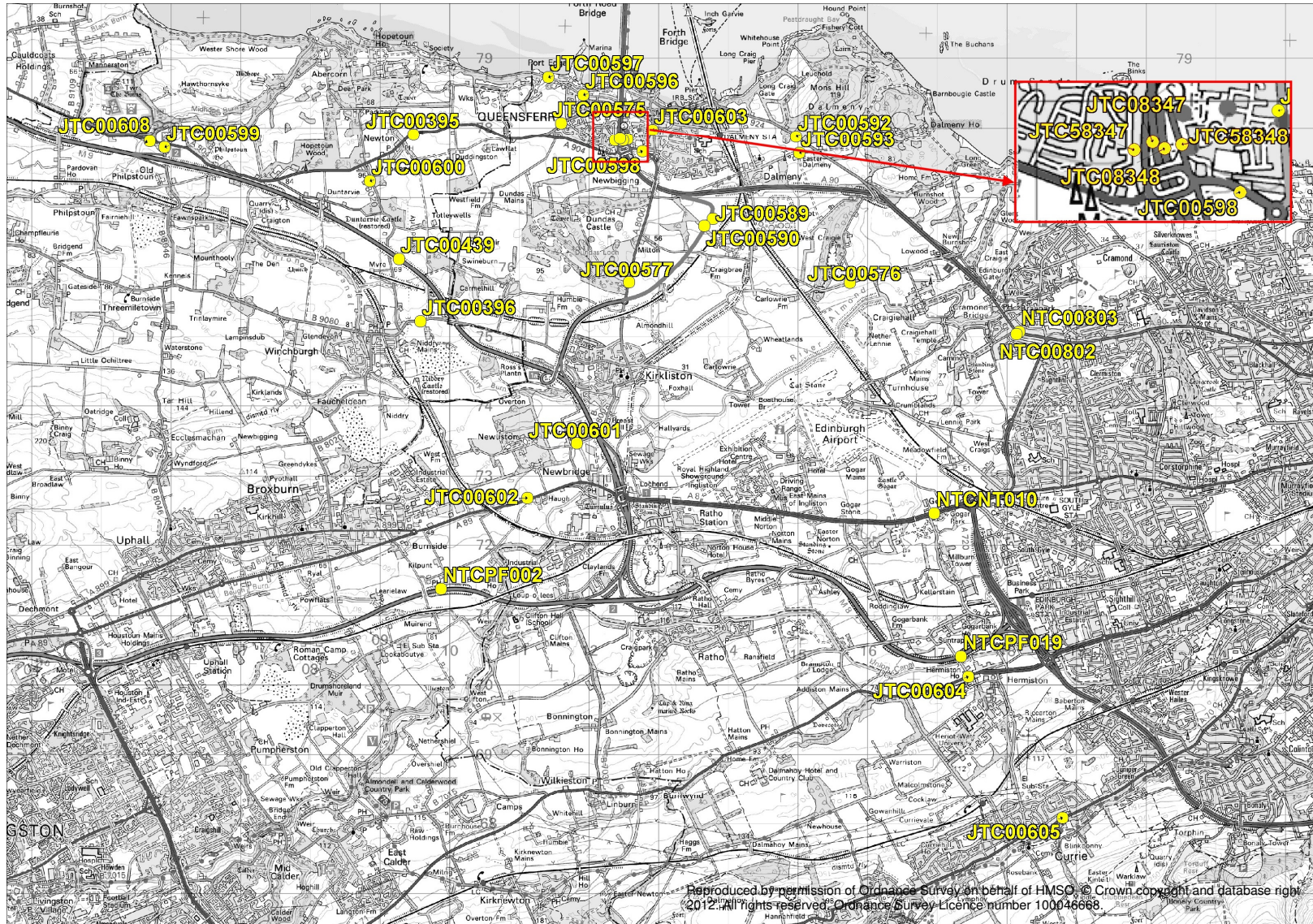


Figure 7-43 Automatic Traffic Counter Locations – Fife Area



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Figure 7-44 Automatic Traffic Counter Locations – Edinburgh Area